INSERVICE INSPECTION PROGRAM

LA SALLE COUNTY STATION

UNIT 2

COMMONWEALTH EDISON COMPANY

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PREPARED BY

GENERAL ELECTRIC COMPANY

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INSERVICE INSPECTION PROGRAM

TABLE OF CONTENTS

Description	Tab
Table of Contents	1
Inservice Inspection Program Description	2
System Abbreviations	3
Component Figuration Abbreviations	4
Component and Piping Line Number Table: CPLN	5
Relief Request	6
ASME Class 1 Categories	
ASME Category B-A	7
ASME Category B-B	8
ASME Category B-D	9
ASME Category B-E	10
ASME Category B-F	11
ASME Category B-G-1	12
ASME Category B-G-2	13
ASME Category B-H	14
ASME Category B-J	15
ASME Category B-K-1	16
ASME Category B-L-1	17
ASME Category B-L-2	18
ASME Category B-M-1	19
ASME Category B-M-2	20
ASME Category B-N-1	21

TABLE OF CONTENTS

Description

ASME Category B-N-2 22

ASME Category B-N-3 23

ASME Category B-O 24

ASME Category B-P 25

ASME Category B-Q 26

ASME Class 2 Categories

ASME Category C-A 27

ASME Category C-B 28

ASME Category C-C 29

ASME Category C-D 30

ASME Category C-F 31

ASME Category C-G 32

ASME Category C-H 33

ASME Class 3 Components 34

ASME Component Supports 35

Augumented Inservice Inspection 36

Material Specifications 37

LSCS - UT Calibration Standards 38

Weld Type Drawings 39

ISI Drawings 40

ASME Class 1 Bolting Details 41

NDE Procedures 42

INSERVICE INSPECTION PROGRAM DESCRIPTION

1. APPLICABLE ASME CODE AND AUGMENTED INSERVICE INSPECTION

1.1 The Inservice Inspection of equipment in NRC Quality Groups A, B, C, and D+ are performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code 1980 Edition through Winter 1980 Addenda, except where specific written relief from examinations and testings determined to be impractical has been granted by the NRC pursuant to 10 CFR Part 50, section 50.55 a (g) (6) (i).

1.2 Augmented Inservice Inspections (AISI) are not ASME Section XI Code requirements but are: 1) additional examination areas, and 2) increased frequency, or combinations of both which are requested by the Nuclear Regulatory Commission. When components fall into the scheduled testing of both ISI and AISI, then credit for both requirements is taken (no double testing).

1.2.1 AISI Type 1A are those high energy line break exclusion regions as identifed in the FSAR and requested by the NRC, see response to FSAR Q11.72.

1.2.2 AISI Type 1B are examinations of the Feed Water Nozzle Inner Radii, Nozzle Bores, Nozzle Safe Ends, and Spargers requested by the NRC in NUREG-0619.

1.2.3 AISI Type 1C are examinations of the High and Low Pressure Core Spray Spargers and the associated piping inside the RPV each refueling outage as requested by the NRC in IE Bulletin No. 80-13.

1.2.4 AISI Type 2A are examinations of those Reactor Core Isolation Coolant lines that are exempted by ASME Section XI IWC-1220(b), but will be inspected due to the NRC requesting this system to be treated as an essential system.

2. COMPONENTS EXAMINED IN ACCORDANCE WITH ASME SECTION XI, SUBSECTIONS IWA, IWB, IWC, IWD, AND IWF.

2.1 All LSCS piping has been reviewed against the NRC's Quality Groups A, B, C and D+ which correspond respectively to ASME Section III Class 1, 2, 3 and 2.

2.2 All LSCS Class 1 and 2 piping components have been reviewed against the respective ASME Section XI IWB-1220 and IWC-1220 exemption criteria.

2.3 Class 3 systems and exempt Class 1 and 2 components require only a visual examination during pressure tests. The piping and instrumentation drawings are used during the visual exams to aid in the location and position of any components which have reportable discrepancies during the pressure tests.

2.4 Determination of ASME Section XI Code Categories for Class 1 and 2 components.

2.4.1 All Class 1 and 2 components are categorized in accordance with ASME Section XI Table IWB-2500-1 and Table IWC-2500-1 respectively.

2.5 Inservice inspection boundary classifications are included in the Preservice Inspection Report as the Preservice Inspection Records Index.

2.6 Component Identification and Location

2.6.1 Isometric drawings of the Class 1 and 2 systems are used as the the working drawings during the ISI. These drawings contain the following information and are included in this Inservice Inspection Program.

2.6.1.1 Piping Line Numbers

2.6.1.2 Locations and identification of all circumferential and longitudinal welds.

2.6.1.3 Location and identification of all partial and full penetration welds to the pressure retaining boundary.

2.6.1.4 Location of hangers and restraints attached to the pressure retaining boundary.

2.6.1.5 Location and identification of flange connections (bolting).

2.6.1.6 All identification numbers which are specific to each examined component.

2.7 In accordance with ASME Section XI IWB-1220 (a), the maximum size line break that can be made up by the reactor coolant make-up system is calculated* to be 2.2 inches ID for water lines and the maximum of 4.5 inches ID for steam lines.

2.7.1 In no case is the actual pipe size exempted greater than 3" in diameter.

* Reference letter from R.C. Hooper to T.E. Watts, dated 8 March, 1979 and letter #80-101 from W.P. Worden to L.O. DelGeorge dated 17 October, 1980.

2.7.2 The control rod drive housing nominal pipe size is 6" diameter, however, the effective cross-sectional area is 1.81" in diameter.**

2.8 Inservice Inspection of Component Supports, except snubbers, is in accordance with ASME Section XI, Subsection IWF. Snubbers will be inspected in accordance with the LaSalle County Nuclear Station Technical Specifications. For further information refer to ASME Component Supports Tab 35.

3. INSERVICE INSPECTION

3.1 The Preservice Inspection serves as a baseline for future inservice inspections.

3.2 When an ASME Code Class 1, 2 or 3 component is determined to be impractical to inspect in accordance with repsect to ASME Section XI IWA-2000, IWB-2000, IWC-2000 or IWD-2000, a specific written relief request from the ASME Code is submitted to the NRC in accordance with Section 1.1 (above). Each written relief request contains the following information as a minimum:

3.2.1 Identification of component(s) for which relief is requested.

3.2.2 ASME Section III Code Class.

3.2.3 The specific ASME Code requirement that has been determined to be impractical.

3.2.4 LSCS relief justification(s) information for requesting relief.

3.2.5 Specific alternative inspection(s) in lieu of ASME Code Section XI requirement(s).

3.3 All records and reports are prepared in accordance with ASME Section XI IWA-6000.

3.4 The Scheduling of Inservice Inspections is in accordance with ASME Section XI. The mechanism for specific component scheduling is contained in LaSalle Station procedures. This form of scheduling provides for optimization of component inspection during normal refueling and maintenance activities.

3.5 The Inservice Inspection Program Component and Piping Line Number Table: CPLN contains those components and lines to be tested. Specific information for a particular item can be located by going to the tab with that ASME Category, then by system and examination component number prefix, located in the remarks column. Lines that require AISI are designated *Type*, in accordance with Section 1.2 (above).

** Reference letter from R.C. Hooper to G.E. Groth dated 24 June, 1980.

4. FORMAT LEGEND AND NOTES

4.1 ISI Form GE-I1 Rev. 1

Field	Description
00 EXAM/COMP. ID. NO.	Examination component identification number used to identify the component for examination. For bolting components, the "Dwg. No." refers to the ISI Bolting Detail Drawing.
01 COMP. FIG.	Component Figuration, eg. P-E=pipe to elbow weld. See Note 1 for abbreviation listing.
02 ITEM NO.	ASME Section XI Code item numbers as described in Table IWB-2500-1, IWC-2500-1, and IWD-2500-1 for ASME Class 1, 2, and 3 components respectively.
03 MAT. SPEC.	LaSalle County Station material specification from the Piping Design Tables. See Note 3 for a condensed listing.
04 SIZE	Nominal size in inches.
05 CAL. STD. NO.	LaSalle County Station Ultrasonic Calibration Standard used to effect the UT calibration.
06 DWG. NO.	The ISI drawing number upon which the component is found.
07 EXAM TYPE	Examination type that is used to inspect the component. See Note 4 for a list of exam types.
08 PROCEDURE NO.	Nondestructive examination procedure used to perform the inspection. See Note 2 for inspection procedure correlation.
09 REMARKS	Any explanatory or clarifying remarks.

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Exam/Component Identification For
ASME Section XI Examination Category _____

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS

System _____ Loop _____ Page of

GE-I1 Rev.1

4. FORMAT LEGEND AND NOTES

4.2 ISI Form GE-I2 Rev. 1

Field	Description
01 EXAM/COMP. ID. NO.	Component identification number as shown on the ISI drawing.
02 ITEM NO.	ASME Section XI Code item numbers as described in Table IWF-2500-2.
03 PIPE SIZE	Nominal line diameter in inches.
04 MANUFACTURER	Component manufacturer
05 MODEL	Manufacturer's model designation.
06 TYPE	Manufacturer's type designation.
07 SETTINGS	Component setting(s) for hot/cold line condition.
08 DWG. NO.	The ISI drawing number upon which the component is found.
09 EXAM TYPE	Examination type that is used to inspect the component. See Note 4 for a list of exam types.
10 PROCEDURE NO.	Nondestructive examination procedure used to perform the inspections. See Note 2 for inspection procedure correlation.
11 REMARKS	Any explanatory or clarifying remarks.

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LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category _____

01 EXAM/COMP ID NO.	02 ITEM NO.	03 PIPE SIZE	04 MANUFACTURER	05 MODEL	06 TYPE	07 SETTINGS	08 DWG NO.	09 EXAM TYPE	10 PROCEDURE NO.	11 REMARKS

System _____ Loop _____ Page Of

GE-I2 Rev.1

4. FORMAT LEGEND AND NOTES

4.3 ISI Form GE-I3 Rev. 1

Field	Description
00 EXAM/COMP. ID. NO.	Examination component identification number used to identify the component for examinaion. For bolting components, the "Dwg. No." refers to the ISI Bolting Detail Drawing.
01 ITEM NO.	ASME Section XI Code item numbers as described in Table IWB-2500-1, IWC-2500-1, and IWD-2500-1 for ASME Class 1, 2, and 3 components respectively.
02 WELD TYPE	Weld type as shown on the LaSalle County Station weld type drawings.
03 MAT. SPEC.	LaSalle County Station material specification from the Piping Design Tables. See Note 3 for a condensed listing.
04 TKNS	Nominal thickness in inches.
05 CAL. STD. NO.	LaSalle County Station Ultrasonic Calibration Standard used to effect the UT calibration.
06 AZ(DEG) EL(IN.)	Vessel azimuth in degrees, vessel elevation in inches from vessel O.
07 TOTAL IN. OF WELD	Total length of weld to be inspected, in inches.
08 DWG. NO.	The ISI drawing number upon which the component is found.
09 EXAM TYPE	Examination type that is used to inspect the component. See Note 4 for a list of exam types.
10 PROC. NO.	Nondestructive examination procedure used to perform the inspection. See Note 2 for inspection procedure correlation.
11 REMARKS	Any explanatory or clarifying remarks.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category _____

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS

System _____ Loop _____

4. FORMAT LEGEND AND NOTES

4.4 ISI Form GE-I4 Rev. 1

Field	Description
00 EXAM/COMP. ID. NO.	Examination component identification number used to identify the component for examinaion. For bolting components, the "Dwg. No." refers to the ISI Bolting Detail Drawing.
01 COMP. FIG.	Component Figuration eg. P-E=pipe to elbow weld. See Note 1 for abbreviation listing.
02 SEC. XI ITEM NUMBER	ASME Section XI Code item numbers as described in Table IWB-2500-1, IWC-2500-1, and IWD-2500-1 for ASME Class 1, 2, and 3 components respectively.
03 WELD TYPE	Weld type as shown on the LaSalle County Station Weld Type Drawing.
04 NOM. PIPE SIZE	Nominal pipe diameter in inches.
05 NOM. TKNS	Nominal pipe thickness in inches.
06 MTL. SPEC	LaSalle County Station material specification from the Piping Design Tables. See Note 3 for a condensed listing.
07 DWG. NO.	The ISI Drawing number upon which the component is found.
08 EXAM TYPE	Examination type that is used to inspect the component. See Note 4 for a list of exam types.
09 PROC. NO.	Nondestructive examination procedure used to perform the inspections. See Note 2 for inspection procedure correlation.
10 CAL. STD. NO.	LaSalle County Station Ultrasonic Calibration Standard used to effect the UT calibration.
11 REMARKS	Any explanatory or clarifying remarks.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category _____

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS

4. FORMAT LEGEND AND NOTES

4.5 ISI Form GE-I5 Rev. 1

Field	Description
00 VALVE NO.	Valve identification number
01 GROUP	Valves that are of the same design (e.g., globe, gate), manufacturing method, manufacturer, and perform a similiar function.
02 ITEM NO.	ASME Section XI Code item numbers as described in Table IWB-2500-1, IWC-2500-1, and IWD-2500-1 for ASME Class 1, 2, and 3 components respectively.
03 SIZE	Nominal line diameter in inches.
04 VALVE DESIGN	Type of valve operation, e.g. gate, globe, check.
05 MANUFACTURING METHOD	All LSCS valves are of one piece cast design, carbon or stainless steel.
06 MANUFACTURER	Valve manufacturer.
07 DWG. NO.	The ISI Drawing number upon which the component is found.
08 EXAM TYPE	Examination type that is used to inspect the component. See Note 4 for a list of exam types.
09 PROC. NO.	Nondestructive examination procedure used to perform the inspections. See Note 2 for inspection procedure correlation.
10 REMARKS	Any explanatory or clarifying remarks.

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Exam/Component Identification For
ASME Section XI Examination Category _____

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 REMARKS

System _____ Loop _____ Page Of GE-I5 Rev. 1

4. FORMAT LEGEND AND NOTES

4.6 ISI Form GE-I6

Field	Description
EXAM/COMPONENT ID NUMBER	Examination component identification number used to identify the component for examination.
SIZE	Nominal size in inches.
P&ID NO./COORD	Location of line or component on P&ID, piping and Instrumentation Drawing Number. All numbers are prefixed with "M". Sheet numbers follow the drawing number.
MAXIMUM OPERATING/DESIGN CONDITIONS	Maximum component operating and design pressure (pounds per square inch, guage) and temperature (degrees Fahrenheit).
MATERIAL SPEC	LaSalle County Station material specification from the Piping Design Tables. See Note 3 for a condensed listing.
REMARKS	Any explanatory or clarifying remarks.

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LaSalle County Station Unit 2
Exam Component Identification for
ASME Class 3 Section XI
System Pressure Tests

System
Page of

EXAM/ COMPONENT ID NUMBER	Size	P&ID No./Coor.	Maximum Oper. Cond.		Design Conditions		Material Spec.	REMARKS
			Press psig	Temp. Fahr.	Press psig	Temp. Fahr.		

4. FORMAT LEGEND AND NOTES

4.7 ISI Form GE-I7

Field	Description
00 LINE OR COMPONENT NO.	Pipe line number or component/equipment number as used on the P&ID.
01 SIZE	Nominal line diameter in inches.
02 P&ID NO./COORD.	Location of line or component on P&ID, piping and Instrumentation Drawing Number. All numbers are prefixed with "M". Sheet numbers follow the drawing number.
03 ASME CLASS	ASME Section III Code Classification: 1, 2, or 3
04 MAT'L TYPE	CS-Carbon Steel SS-Stainless Steel
05 TKNS	Thickness in inches.
06 ASME SEC. XI CAT.	ASME Section XI Code Categories as described by Tables IWB-2500 and IWC-2520 for ASME Class 1 and 2 components respectively.
07 SEC. XI ITEM NUMBER	ASME Section XI Code item numbers as described in Table IWB-2500-1, IWC-2500-1, and IWD-2500-1 for ASME Class 1, 2, and 3 components respectively.
08 NO. OF ITEMS	Number of items being inspected.
09 VIS.	Visual examination method as described by IWA-2210.
10 SUR.	Surface examination method as described by IWA-2220.
11 VOL.	Volumetric examination method as described by IWA-2230.
12 HYD.	System pressure test and hydrostatic test as described by IWA-5000, IWB-5000, IWC-5000 and IWD-5000.
13 RELIEF REQUEST	A relief request number when a specific code requirement is determined to be impractical. Relief requests for inspections are prefixed with "RI".
14 REMARKS	Any explanatory or clarifying remarks.

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LaSalle County Nuclear Station Unit 2

PAGE

REVISION

SYSTEM

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION				RELIEF REQUEST 13	REMARKS 14
									VIS. 09	SUR. 10	VOL. 11	HYD. 12		

GE-I7

4. FORMAT LEGEND AND NOTES

4.8 ISI Form GE-I8

Field	Description
00 RELIEF REQUEST	Refief Request identification number.
01 SYSTEM OR COMPONENT	Piping system or component abbreviation for which relief is requested.
02 CLASS	ASME Section III Class 1, 2, or 3.
03 CATEGORY AND ITEM NUMBER	From ASME Section XI Tables IWB-2500-1, IWC-2500-1, and IWD-2500-1, for ASME Class 1, 2, and 3 respectively.
04 EXEMPTED COMPONENT	Identification of components for which relief is requested.
05 SECTION XI TEST REQUIREMENT	The specific ASME Code Section XI requirement has been determined to be impractical.
06 BASIS FOR RELIEF	LSCS relief justification(s) information for requesting relief.
07 ALTERNATIVE TEST	Specific alternative inspection(s) in lieu of ASME Code Section XI requirement(s).

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INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Page ____ of ____

Rev. ___

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07

GE-I8

4. Format Legend and Notes
Note 1

COMPONENT FIGURATION ABBREVIATIONS
LSCS

BH--Bottom Head
C--Cap
CHC--Closure Head Cladding
CR--Cross
E--Elbow
EX--Safe End Extension
F--Flange
FB--Flange Bolting
FL--Flange Ligament
H--Reactor Pressure Vessel Top Head
HD-Head (RHR Heat Exchanger or Pump)
IALS--Inside Arc Longitudinal Seam
IS--Instrumentation Seal
LS--Longitudinal Seam
N--Nozzle
NOZ--Nozzle
NIR--Nozzle Inner Radius
OALS--Outside Arc Longitudinal Seam
P--Pipe
PB--Pump Bolting
PC--Pump Casing
PH--Penetration Head
PL--Plate
PU--Pump
PULS--Pump Longitudinal Seam
R--Reducer
RH--Rams Head
RHLS--Rams Head Longitudinal Seam
RPV--Reactor Pressure Vessel
S--Saddle
SE-Safe End
SH--Shell
SK--Reactor Pressure Vessel Skirt
SP--Spindle
ST--Stanchion
SUP--Support
SW--Sweepolet
T--Tee
TVH--Reactor Pressure Vessel Top Head
V--Valve
VB--Valve Bolting
VHLS--Reactor Pressure Vessel Top Head Longitudinal Seam
VLS--Reactor Pressure Vessel Longitudinal Seam
W--Weldolet

4. Format Legend and Notes
   Note 2

INSPECTION PROCEDURE CORRELATION

IC Procedure No.	NDE Procedure

TO BE SUPPLIED LATER

4. Format Legend and Notes
   Note 3

CONDENSED LISTING OF LSCS PIPING DESIGN TABLES

TABLE	SUBJECT
105LS	Carbon Steel (Butt-weld Joints with Tig Welds)
106LS	Carbon Steel
306LS	Carbon Steel (Butt-weld Joints with Tig Welds)
307LS	Carbon Steel (Butt-weld Joints with Tig Welds)
900LS	Carbon Steel (Butt-weld Joints with Tig Welds)
901LS	Carbon Steel (Butt-weld Joints with Tig Welds)
902LS	Carbon Steel (Butt-weld Joints with Backing Rings)
903LS	Carbon Steel (Butt-weld Joints with Tig Welds)
904LS	Carbon Steel
905LS	Carbon Steel (Butt-weld Joints with Tig Welds)
906LS	Carbon Steel (Butt-weld Joints with Tig Welds)
907LS	Carbon Steel (Butt-weld Joints with Tig Welds)
948LS	304 Stainless Steel Pipe - 316 Stainless Steel Valves and Flanges (Butt-weld Joints with Tig Welds)
949LS	304 Stainless Steel Pipe - 316 Stainless Steel Valves and Flanges (Butt-weld Joints with Tig Welds)
1502LS	Carbon Steel (Butt-weld Joints with Tig Welds)
1503LS	Carbon Steel (Butt-weld Joints with Tig Welds)
141	304 Stainless Steel (Butt-weld Joints with Tig Welds)
340	304 Stainless Steel (Butt-weld Joints with Tig Welds)

4. Format Legend and Notes
Note 4

EXAMINATION TYPE

UT-0° = Ultrasonic testing using a 0° straight beam technique.

UT-45° = Ultrasonic testing using a 45° shear wave technique.

UT-60° = Ultrasonic testing using a 60° shear wave technique.

PT = Liquid penetrant technique.

MT = Magnetic particle technique.

Z1CW/CCW = Ultrasonic testing of NIR Zone 1 using GE 3 Zone technique.

Z2CW/CCW = Ultrasonic testing of NIR Zone 2 using GE 3 Zone technique. (CW-clockwise, CCW-counter-clockwise)

VT-1 = Visual examination of ASME Section XI IWA-2211.

VT-2 = Visual examination of ASME Section XI IWA-2212.

VT-3 = Visual examination of ASME Section XI IWA-2213.

VT-4 = Visual examination of ASME Section XI IWA-2214.

LSCS SYSTEM ABBREVIATIONS

DG - Diesel Generator Auxilary System
DO - Diesel Oil
ES - Extraction Steam
FC - Fuel Pool Cooling
FW - Feedwater
HG - Hydrogen Containment Combustible Gas Control
HP - High Pressure Core Spray
IN - Drywell Instrument Nitrogen
JPI- Jet Pump Instrumentation
LC - MSIV Leakage Control
LP - Low Pressure Core Spray
MC - Clean Condensate Storage
MS - Main Steam
NB - Nuclear Boiler
PC - Primary Containment Vent and Purge
RD - Control Rod Drive
RE - Reactor Building Equipment Drains
RF - Reactor Building Floor Drains
RH - Residual Heat Removal
RI - Reactor Core Isolation Coolant
RPV- Reactor Pressure Vessel
RR - Reactor Recirculation
RT - Reactor Water Clean Up
SA - Service Air
SC - Standby Liquid Control
TE - Turbine Building Equipment Drains
VG - Standby Gas Treatment
VP - Primary Containment Ventilation
VQ - Primary Containment Purge
WR - Reactor Building Closed Cooling Water

COMPONENT FIGURATION ABBREVIATIONS
LSCS ISI

BH--Bottom Head
C--Cap
CHC--Closure Head Cladding
CR--Cross
E--Elbow
EX--Safe End Extension
F--Flange
FB--Flange Bolting
FL--Flange Ligament
H--Reactor Pressure Vessel Top Head
HD-Head (RHR Heat Exchanger or Pump)
IALS--Inside Arc Longitudinal Seam
IS--Instrumentation Seal
LS--Longitudinal Seam
N--Nozzle
NOZ--Nozzle
NIR--Nozzle Inner Radius
OALS--Outside Arc Longitudinal Seam
P--Pipe
PB--Pump Bolting
PC--Pump Casing
PH--Penetration Head
PL--Plate
PU--Pump
PULS--Pump Longitudinal Seam
R--Reducer
RPV--Reactor Pressure Vessel
S--Saddle
SE-Safe End
SH--Shell
SHR 1--Shell Ring One
SHR 2--Shell Ring Two
SHR 3--Shell Ring Three
SHR 4--Shell Ring Four
SHR 5--Shell Ring Five
SK--Reactor Pressure Vessel Skirt
SP--Spindle
ST--Stanchion
SUP--Support
T--Tee
TVH--Reactor Pressure Vessel Top Head
V--Valve
VB--Valve Bolting
VERT--Reactor Pressure Vessel Vertical Seam
VH--Reactor Pressure Vessel Top Head
VHLS--Reactor Pressure Vessel Top Head Longitudinal Seam
VLS--Reactor Pressure Vessel Longitudinal Seam
W--Weldolet

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Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Reactor Vessel 2B13-D003	251	NA	1	CS	3.5-7.5"	--	--	--				X		
						B-A	B1.11	4			X			LCS-2
						B-A	B1.12	12			X			LCS-2
						B-A	B1.21	2			X			GEL-1060, GEL-1061
						B-A	B1.22	14			X		RI-15	GEL-1060, GEL-1061
						B-A	B1.30	1			X			LCS-2
						B-A	B1.40	1		X	X			GEL-1009
						B-A	B1.51				X			
						B-D	B3.90	33			X			LCS-2
						B-D	B3.100	30			X			2-NIR
						B-D	B3.100	3		X				2-NIR
						B-E	B4.12	185				X		185 CPD's
						B-E	B4.13	65				X		10 - 2" Penetrations and 55 Incores

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
Reactor Vessel 2B13-D003	251	NA	1	CS	3.5-7.5"	B-F	B5.10	33		X	X			GEL-1060 2-CRD CAP, 2-JPI-A 2-JPI-B, IRR-2001 IRR-2003, IRR-2005 IRR-2007, IRH-2002 IRH-2003, IRH-2004 IHP-2001, ILP-2001 IMS-2001, IMS-2002 IMS-2003, IMS-2004 IFW-2001, IFW-2002
						B-G-1	B6.10	76		X				2 - Nut
						B-G-1	B6.20	72			X			2-Stud
						B-G-1	B6.30	4		X	X			2-Stud
						B-G-1	B6.40	76			X			LaSalle 2-Fl.
						B-G-1	B6.50	77	X					2-Washer, 2-Bushing
						B-G-2	B7.10	3	X					GEL-1060
						B-H	B8.10	7		X				Vessel Skirt

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Reactor Vessel	251	NA	1	CS	3.5-7.5"	B-N-1	B13.10	--	X					2-Internals
2B13-D003						B-N-2	B13.20	--	X					2-Internals
						B-O	B14.10	0				X		Exempt-IWB-1220(a)
						B-P	B15.10	--				X		
						B-P	B15.11	--				X		

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
RH Heat Exchanger 2A														
2E12-B001A	V	96-4/D2	2	CS	V	C-H	C7.10	NA				X		
						C-H	C7.11	NA				X		
	54"	96-4/D2	2	CS	0.81	C-A	C1.10	5			X			GEL-1111
						C-A	C1.30	1			X			GEL-1111
	24"	94-4/D2	2	CS	1.18	C-B	C2.21	2		X	X			GEL-1111
	V	96-4/D2	2	CS	V	C-C	C3.10	24		X				GEL-1111
RHR Heat Exchanger 2B														
2E12-B001B	V	96-4/D7	2	CS	V	C-H	C7.10	NA				X		
						C-H	C7.11	NA				X		
	54"	96-4/D7	2	CS	0.81	C-A	C1.10	5			X			GEL-1111
						C-A	C1.30	1			X			GEL-1111
	24"	94-4/D7	2	CS	1.18	C-B	C2.21	2		X	X			GEL-1111
	V	96-4/D7	2	CS	V	C-C	C3.10	24		X				GEL-1111

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

PAGE 8.4.1-1 OF 1

REVISION 0

SYSTEM HP-HIGH PRESSURE CORE SPRAY PUMP

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
High Pressure Core Spray Pump 2E22C001	V	95/C2	2	CS	V	C-H	C7.30	NA				X		
						C-H	C7.31	NA				X		
						C-G	C6.10	13		X				GEL-2049

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
Low Pressure Core Spray Pump 2E21C001	V	94/B2	2	CS	V	C-H C-H C-G	C7.30 C7.31 C6.10	NA NA 9		X		X X		GEL-2050

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

REVISION 0

SYSTEM RH-RESIDUAL HEAT REMOVAL PUMPS

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
RHR Pump 2A	V	96-1/A5	2	CS	V	C-H	C7.30	NA				X		
2E12-C002A						C-H	C7.31	NA				X		
						C-G	C6.10	13		X				GEL-1108
RHR Pump 2B	V	96-2/B4	2	CS	V	C-H	C7.30	NA				X		
2E12-C002B						C-H	C7.31	NA				X		
						C-G	C6.10	13		X				GEL-1108
RHR Pump 2C	V	96-3.B5	2	CS	V	C-H	C7.30	NA				X		
2E12-C002C						C-H	C7.31	NA				X		
						C-G	C6.10	13		X				GEL-1108

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

PAGE 8.4.4-1 OF 1

REVISION 0

SYSTEM RI-REACTOR CORE ISOLATION COOLANT PUMP

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Reactor Core Isolation Coolant Pump 2E51C001	V	101-2/C2	2	CS	V	C-H	C7.30	NA				X		
						C-H	C7.31	NA				X		
						C-G	C6.10	2		X				GEL-1107

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Recirculation						B-P	B15.60	NA				X		
Pump						B-P	B15.61	NA				X		
2B33-C001A	NA	NA	1	SS	--	B-G-1	B6.180	16			X			IRR-PU2A
						B-G-1	B6.190	1	X					IRR-PU2A
						B-G-1	B6.200	16	X					IRR-PU2A
						B-K-1	B10.20	3		X				
						B-L-2	B12.20	1	X				RI-13	IRR-PU2A
Recirculation						B-P	B15.60	NA				X		
Pump						B-P	B15.61	NA				X		
2B33-C001B	NA	NA	1	SS	--	B-G-1	B6.180	16			X			IRR-PU2B
						B-G-1	B6.190	1	X					IRR-PU2B
						B-G-1	B6.200	16	X					IRR-PU2B
						B-K-1	B10.20	3		X				
						B-L-2	B12.20	1	X				RI-13	IRR-PU2B

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2DG01A	14	134-1/D7	3	CS	0.375	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG02A	10	134-1/D6	3	CS	0.365	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG03A	10	134-1/D5	3	CS	0.365	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG03B	8	134-1/D4	3	CS	0.322	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM DG-DIESEL GENERATOR COOLING WATER SYSTEM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2DG04A	8	134-1/D3	3	CS	0.322	D-B	D2.10	NA	X			X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG04B	12	134-1/D2	3	CS	0.375	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG05A	4	134-1/C4	3	CS	0.237	D-B	D2.10	NA				X		
2DG05BA	2.5	134-3/E5	3	CS	0.203	D-B	D2.10	NA				X		
2DG05BB	2.5	134-3/E5	3	CS	0.203	D-B	D2.10	NA				X		
2DG06A	4	134-1/C3	3	CS	0.237	D-B	D2.10	NA				X		
2DG06BA	2.5	134-3/E4	3	CS	0.203	D-B	D2.10	NA				X		
2DG06BB	2.5	134-3/E4	3	CS	0.203	D-B	D2.10	NA				X		
2DG06C	2	134-3/E4	3	CS	0.218	D-B	D2.10	NA				X		
2DG07A	.75	134-1/C7	3	CS	0.154	D-B	D2.10	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2DG08A	.75	134-1/D4	3	CS	0.154	D-B	D2.10	NA				X		
2DG09A	.75	134-1/D4	3	CS	0.154	D-B	D2.10	NA				X		
2DG10AA	.75	134-1/C3	3	CS	0.154	D-B	D2.10	NA				X		
2DG10AB	.75	134-1/C3	3	CS	0.154	D-B	D2.10	NA				X1		
2DG10BA	.5	134-1/C3	3	CS	0.147	D-B	D2.10	NA				X		
2DG10BB	.5	134-1/C3	3	CS	0.147	D-B	D2.10	NA				X		
2DG11A	.75	134-3/E5	3	CS	0.154	D-B	D2.10	NA				X		
2DG12A	.75	134-3/F5	3	CS	0.154	D-B	D2.10	NA				X		
2DG13AA	.75	134-1/D3	3	CS	0.154	D-B	D2.10	NA				X		
2DG13AB	.75	134-1/D3	3	CS	0.154	D-B	D2.10	NA				X		
2DG14A	6	134-2/D4	3	CS	0.280	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					
2DG14B	4	134-2/D4	3	CS	0.237	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2DG14CA	2.5	134-3/E8	3	CS	0.203	D-B	D2.10	NA				X		
2DG14CB	2.5	134-3/E8	3	CS	0.203	D-B	D2.10	NA				X		
2DG15A	4	134-2/D3	3	CS	0.237	D-B	D2.10	NA				X		
2DG15BA	2.5	134-3/E6	3	CS	0.203	D-B	D2.10	NA				X		
2DG15BB	2.5	134-3/E7	3	CS	0.203	D-B	D2.10	NA				X		
2DG15D	2	134-3/E8	3	CS	0.218	D-B	D2.10	NA				X		
2DG16A	.75	134-3/F7	3	CS	0.154	D-B	D2.10	NA				X		
2DG17A	.75	134-3/F6	3	CS	0.154	D-B	D2.10	NA				X		
2DG18A	4	134-2/E4	3	CS	0.237	D-B	D2.10	NA				X		
2DG18BA	2.5	134-3/C4	3	CS	0.203	D-B	D2.10	NA				X		
2DG18BB	2.5	134-3/C4	3	CS	0.203	D-B	D2.10	NA				X		
2DG18BC	2.5	134-3/C4	3	CS	0.203	D-B	D2.10	NA				X		
2DG18BD	2.5	134-3/C4	3	CS	0.203	D-B	D2.10	NA				X		
2DG18CA	2	134-3/C4	3	CS	0.218	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2DG18CB	2	134-3/C4	3	CS	0.218	D-B	D2.10	NA				X		
2DG19A	4	134-2/E3	3	CS	0.237	D-B	D2.10	NA				X		
2DG19BA	2.5	134-3/C3	3	CS	0.203	D-B	D2.10	NA				X		
2DG19BB	2.5	134-3/C3	3	CS	0.203	D-B	D2.10	NA				X		
2DG19BC	2.5	134-3/C3	3	CS	0.203	D-B	D2.10	NA				X		
2DG19BD	2.5	134-3/C6	3	CS	0.203	D-B	D2.10	NA				X		
2DG20A	.75	134-3/D4	3	CS	0.154	D-B	D2.10	NA				X		
2DG21A	.75	134-3/D3	3	CS	0.154	D-B	D2.10	NA				X		
2DG22A	1.5	134-2/F4	3	CS	0.200	D-B	D2.10	NA				X		
2DG23A	1.5	134-2/F2	3	CS	0.200	D-B	D2.10	NA				X		
2DG23B	6	134-2/D2	3	CS	0.280	D-B	D2.10	NA				X		
							D2.20		X					
							D2.30		X					
							D2.40		X					
							D2.50		X					
							D2.60		X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2DG24A	.75	134-2/F4	3	CS	0.154	D-B	D2.10	NA				X		
2DG25A	.75	134-2/F2	3	CS	0.154	D-B	D2.10	NA				X		
2DG26AA	.75	134-2/D2	3	CS	0.154	D-B	D2.10	NA				X		
2DG26AB	.75	134-2/D2	3	CS	0.154	D-B	D2.10	NA				X		
2DG27A	4	134-1/C6	3	CS	0.237	D-B	D2.10	NA				X		
2DG38A	2	83-3/B4	3	CS	0.218	D-B	D2.10	NA				X		
2DG37AB	2	83-3/C4	3	CS	0.218	D-B	D2.10	NA				X		
2DG37A	.75	134-1/D4	3	CS	0.154	D-B	D2.10	NA				X		
2DG39A	.75	134-1/D4	3	CS	0.154	D-B	D2.10	NA				X		
2DG40A	.75	134-1/D3	3	CS	0.154	D-B	D2.10	NA				X		
2DG41A	1	134-2/F4	3	CS	0.179	D-B	D2.10	NA				X		
2DG42A	1	134-2/F3	3	CS	0.179	D-B	D2.10	NA				X		
2DG43A	1	134-1/D6	3	CS	0.179	D-B	D2.10	NA				X		
2DG44A	2	134-1/D6	3	CS	0.218	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM DG-DIESEL GENERATOR COOLING WATER SYSTEM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2DG46A	1.5	83-3/A6	3	CS	0.200	D-B	D2.10	NA				X		
2DG46B	1.5	83-3/C6	3	CS	0.200	D-B	D2.10	NA				X		
2DG47A	.75	83-3/A5	3	CS	0.154	D-B	D2.10	NA				X		
2DG47B	.75	83-3/C5	3	CS	0.154	D-B	D2.10	NA				X		
2DG53AA	.5	83-3/	3	CS	0.147	D-B	D2.10	NA				X		
2DG53AB	.5	83-3/	3	CS	0.147	D-B	D2.10	NA				X		
2DG53AC	.5	83-3/	3	CS	0.147	D-B	D2.10	NA				X		
2DG53AD	.5	83-3/	3	CS	0.147	D-B	D2.10	NA				X		
2DG54AA	.25	83-3/	3	CS	0.119	D-B	D2.10	NA				X		
2DG54AB	.25	83-3/	3	CS	0.119	D-B	D2.10	NA				X		
2DG54AC	.25	83-3/	3	CS	0.119	D-B	D2.10	NA				X		
2DG54AD	.25	83-3/	3	CS	0.119	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2D001A	2	132/C6	3	CS	0.218	D-B	D2.10	NA				X		
2D001B	1.5	132/C6	3	CS	0.200	D-B	D2.10	NA				X		
2D002A	1.5	132/C6	3	CS	0.200	D-B	D2.10	NA				X		
2D002B	2	132/C6	3	CS	0.179	D-B	D2.10	NA				X		
2D003A	2	132/E6	3	CS	0.218	D-B	D2.10	NA				X		
2D003B	1	132/E6	3	CS	0.179	D-B	D2.10	NA				X		
2D005A	2	132/D7	3	CS	0.218	D-B	D2.10	NA				X		
2D006B	2	132/E7	3	CS	0.218	D-B	D2.10	NA				X		
2D007A	2	132/F7	3	CS	0.218	D-B	D2.10	NA				X		
2D008A	4	132/E7	3	CS	0.237	D-B	D2.10	NA				X		
2D008B	4	132/E8	3	CS	0.237	D-B	D2.10	NA				X		
2D010A	3	132/D7	3	CS	0.216	D-B	D2.10	NA				X		
2D011A	3	132/D8	3	CS	0.216	D-B	D2.10	NA				X		
2D012A	2	132/C3	3	CS	0.218	D-B	D2.10	NA				X		
2D012B	1.5	132/C4	3	CS	0.200	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2D013A	1.5	132/D4	3	CS	0.200	D-B	D2.10	NA				X		
2D013B	1	132/D4	3	CS	0.179	D-B	D2.10	NA				X		
2D015A	2	132/E3	3	CS	0.218	D-B	D2.10	NA				X		
2D015BA	1	132/E3	3	CS	0.179	D-B	D2.10	NA				X		
2D015BB	1	132/E3	3	CS	0.179	D-B	D2.10	NA				X		
2D016A	2	132/D2	3	CS	0.218	D-B	D2.10	NA				X		
2D017B	2	132/E3	3	CS	0.218	D-B	D2.10	NA				X		
2D019A	4	132/E2	3	CS	0.237	D-B	D2.10	NA				X		
2D019B	4	132/E2	3	CS	0.237	D-B	D2.10	N..				X		
2D020A	2	132/E2	3	CS	0.218	D-B	D2.10	NA				X		
2D021A	3	132/D2	3	CS	0.216	D-B	D2.10	NA				X		
2D022A	3	132/D2	3	CS	0.237	D-B	D2.10	NA				X		
2D023A	2	132/C2	3	CS	0.218	D-B	D2.10	NA				X		
2D033B	.75	132/E8	3	CS	0.154	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2D034A	.75	132/E1	3	CS	0.154	D-B	D2.10	NA				X		
2D039A	4	132/C8	3	CS	0.237	D-B	D2.10	NA				X		
2D040A	4	132/C3	3	CS	0.237	D-B	D2.10	NA				X		
2D050A	.75	132/D7	3	CS	0.154	D-B	D2.10	NA				X		
2D051A	.75	132/D2	3	CS	0.154	D-B	D2.10	NA				X		
2D054A	1	132/C7	3	CS	0.179	D-B	D2.10	NA				X		
2D055A	2	132/B7	3	CS	0.218	D-B	D2.10	NA				X		
2D055C	.75	132/B7	3	CS	0.154	D-B	D2.10	NA				X		
2D058A	1	132/C4	3	CS	0.179	D-B	D2.10	NA				X		
2D059A	2	132/B3	3	CS	0.218	D-B	D2.10	NA				X		
2D059C	.75	132/B3	3	CS	0.154	D-B	D2.10	NA				X		
2D060A	2	132/C2	3	CS	0.218	D-B	D2.10	NA				X		
2D064A	.75	132/D6	3	CS	0.154	D-B	D2.10	NA				X		
2D065A	2	132/E6	3	CS	0.218	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2D066A	.75	132/E7	3	CS	0.154	D-B	D2.10	NA				X		
2D067A	.75	132/D2	3	CS	0.154	D-B	D2.10	NA				X		
2D068A	2	132/E2	3	CS	0.218	D-B	D2.10	NA				X		
2D069A	.75	132/E3	3	CS	0.154	D-B	D2.10	NA				X		
2D078A	.5	132/C5	3	CS	0.147	D-B	D2.10	NA				X		
2D078B	.5	132/C5	3	CS	0.147	D-B	D2.10	NA				X		
2D079A	.5	132/D5	3	CS	0.147	D-B	D2.10	NA				X		
2D079B	.5	132/D5	3	CS	0.147	D-B	D2.10	NA				X		
2D080A	2	132/C7	3	CS	0.218	D-B	D2.10	NA				X		
2D086A	2	132/C2	3	CS	0.218	D-B	D2.10	NA				X		
2D086B	2	132/C2	3	CS	0.218	D-B	D2.10	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2ES27A	.75	117-2/D8	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2ES28A	.75	117-2/D5	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2ES33A	.75	117-3/D8	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2ES38A	.75	117-4/D5	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FCA2A	2	144-1/E4	3	SS	0.154	D-C	D3.10	NA				X		
2FCA9A	.75	144-1/E5	3	CS	0.113	D-C	D3.10	NA				X		
2FC01A	20	144-1/C6	3	CS	0.375	D-C	D3.10	NA				X		
2FC01AA	16	144-1/D6	3	CS	0.375	D-C	D3.10	NA				X		
2FC01AB	16	144-1/D7	3	CS	0.375	D-C	D3.10	NA				X		
2FC01B	20	144-1/C6	3	CS	0.375	D-C	D3.10	NA				X		
2FC01DA	14	144-1/B1	3	CS	0.375	D-C	D3.10	NA				X		
2FC01DB	14	144-1/B1	3	CS	0.375	D-C	D3.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FC11AA	6	144-1/C2	3	CS	105LS	D-C	D3.10	NA				X		
2FC11AB	6	144-1/D3	3	CS	105LS	D-C	D3.10	NA				X		
2FC11AC	6	144-1/D4	3	CS	105LS	D-C	D3.10	NA				X		
2FC11B	10	144-1/C3	3	CS	105LS	D-C	D3.10	NA				X		
2FC11C	10	144-1/C2	3	CS	0.365	D-C	D3.10	NA				X		
2FC14B	2	144-1/D2	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2FC14D	1.5	144-1/D3	3	CS	0.200	D-C	D3.10	NA				X		
2FC17A	4	144-1/	3	SS	0.237	D-C	D3.10	NA				X		
2FC27A	20	144-1/B1	3	SS	0.375	D-C	D3.10	NA				X		
2FC28A	16	144-1/	3	SS	0.375	D-C	D3.10	NA				X		
2FC29AA	6	134-2/D7	3	CS	0.280	D-C	D3.10	NA				X		
2FC29AB	6	134-1/C7	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AA	6	134-2/E6	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AB	6	134-1/C6	3	CS	0.280	D-C	D3.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FC30AC	6	134-2/F5	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AD	6	134-2/E5	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AE	6	134-1/C5	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AF	6	134-1/C6	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AG	6	134-2/E5	3	CS	0.280	D-C	D3.10	NA				X		
2FC30AH	6	134-1/C6	3	CS	0.280	D-C	D3.10	NA				X		
2FC31A	4	134-1/B6	3	CS	0.237	D-C	D3.10	NA				X		
2FC52AA	.75	134-2/E6	3	CS	0.154	D-C	D3.10	NA				X		
2FC52AB	.75	134-1/C6	3	CS	0.154	D-C	D3.10	NA				X		
2FC56AA	.75	134-2/E7	3	CS	0.154	D-C	D3.10	NA				X		
2FC56BA	.75	134-1/C7	3	CS	0.154	D-C	D3.10	NA				X		
2FC59A	2	144-1/D4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2FC61A	2	144-1/D2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2FC67AA	.5	134-2/F5	3	CS	0.147	D-C	D3.10	NA			X			
2FC67AB	.5	134-1/C5	3	CS	0.147	D-C	D3.10	NA			X			
2FC68AA	.5	134-2/F5	3	CS	0.147	D-C	D3.10	NA			X			
2FC68AB	.5	134-1/C5	3	CS	0.147	D-C	D3.10	NA			X			
2FC76AA	1.5	98-4/B3	3	CS	0.200	D-C	D3.10	NA			X			
2FC77AA	1.5	98-4/B3	3	CS	0.200	D-C	D3.10	NA			X			
2FC77AB	1.5	98-4/B4	3	CS	0.200	D-C	D3.10	NA			X			
2FC79AA	2	98-4/B6	3	SS	0.154	D-C	D3.10	NA			X			
2FC79AB	2	98-4/B4	3	SS	0.154	D-C	D3.10	NA			X			
2FC80AA	2	98-4/B5	3	SS	0.154	D-C	D3.10	NA			X			
2FC80AB	2	98-4/B6	3	SS	0.154	D-C	D3.10	NA			X			
2FC82AA	1.5	98-4/B7	3	CS	0.200	D-C	D3.10	NA			X			

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FC82AB	1.5	144-4/B7	3	CS	0.200	D-C	D3.10	NA				X		
2FC83AA	1.5	144-4/B7	3	CS	0.200	D-C	D3.10	NA				X		
2FC83AB	1.5	144-4/B7	3	CS	0.200	D-C	D3.10	NA				X		
2FC85A	1.5	144-4/B8	3	CS	0.200	D-C	D3.10	NA				X		
2FC92A	.75	144-1/B1	3	CS	0.154	D-C	D3.10	NA				X		
2FC93A	2	144-1/A2	3	CS	0.218	D-C	D3.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FW02CA	24	118/C8	1	CS	1.531	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IFW-2001
						B-K-1	B10.10	2		X				IFW-2001S
						F-C	NA	3	X					
2FW02CB	24	118/C7	1	CS	1.531	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IFW-2002
						B-K-1	B10.10	2		X				IFW-2002S
						F-C	NA	3	X					
2FW02DA	18	118/D8	1	CS	1.195	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	3		X	X			IFW-2001
2FW02DB	18	118/D7	1	CS	1.195	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	3		X	X			IFW-2002
2FW02EA	12	118/D8	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	8		X	X		RI-16	IFW-2001
						B-K-1	B10.10	2		X				IFW-2001S
						F-C	NA	3	X	X				

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FW02EB	12	118/D8	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IFW-2001
						B-K-1	B10.10	2		X				
						F-C	NA	3	X					
2FW02EC	12	118/D8	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IFW-2001
						B-K-1	B10.10	5		X				
						F-C	NA	6	X					IFW-2001S
2FW02ED	12	118/D7	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	7		X	X			IFW-2002
						B-K-1	B10.10	5		X				IFW-2002S
						F-C	NA	6	X					
2FW02EE	12	118/D7	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IFW-2002
						B-K-1	B10.10	2		X				IFW-2002S
						F-C	NA	3	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FW02EF	12	118/D7	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	8		X	X			IFW-2002
						B-K-1	B10.10	2		X				IFW-2002S
						F-C	NA	3	X					
2FW02FA *1A*	24	118/A6	1	CS	2.000	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	10		X	X		RI-05	IFW-2004
						B-J	B9.12	12		X	X		RI-05	IFW-2004
						B-K-1	B10.10	2		X				IFW-2004S
						B-G-2	B7.70	5	X					IFW-2004B
						B-M-2	B12.40	3	X				RI-14	IFW-2004I
						F-C	NA	3	X					
2FW02FB *1A*	24	118/C6	1	CS	2.000	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	10		X	X		RI-05	IFW-2005
						B-J	B9.12	12		X	X		RI-05	IFW-2005
						B-K-1	B10.10	2	X					IFW-2005S
						B-G-2	B7.70	5	X					IFW-2005B
						B-M-2	B12.40	3	X				RI-14	IFW-2005I
						F-C	NA	3	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2FW02HA	24	118/A6	2	CS	2.000	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	4		X	X			IFW-2004
						C-F	C5.22	4		X	X			IFW-2004
2FW02HB	24	118/C6	2	CS	2.000	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	4		X	X			IFW-2005
						C-F	C5.22	4		X	X			IFW-2005
2FW11A	4	143-1/F4	2	CS	0.531	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2FW11AA	4	118/B6	2	CS	0.531	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2FW11AB	4	118/C6	2	CS	0.531	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP01A	24	141/A6	2	SS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IHP-2014
						C-F	C5.11	14		X			RI-08	IHP-2010, IHP-2011, IHP-2012, IHP-2013, IHP-2014
						C-F	C5.12	17			X		RI-08	IHP-2010, IHP-2011 IHP-2012, IHP-2013 IHP-2014
2HP01B	24	141/A4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	18		X			RI-12	IHP-2004, IHP-2015
						C-F	C5.12	4		X				IHP-2004
2HP02A	16	141/D5	2	CS	1.031	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	34		X	X			IHP-2002, IHP-2003
2HP02B *1A*	12	141/D6	1	CS	0.937	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	14		X	X			IHP-2001
						B-K-1	B10.10	5		X				IHP-2001S
						B-G-2	B7.70	5	X					IHP-2001B
						B-M-2	B12.40	3	X				RI-14	IHP-2001I
						C-F	C5.21	2		X	X			IHP-2001, IHP-2002
						F-C	NA	4	X					
2HP02C	3	141/D3	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP02D	12	141/D7	1	CS	0.937	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IHP-2001
						B-J	B9.11	5		X	X			IHP-2001
2HP02E	1	141/D2	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP07A	14	141/D5	2	CS	0.938	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	4		X	X			IHP-2005
2HP08B	14	141/D5	2	CS	0.938	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	16		X	X			IHP-2005
2HP08C	14	141/C5	2	CS	0.375	C-H	C7.20	NA					X	
						C-H	C7.21	NA					X	
						C-C	C3.40	1		X				IHP-2005
						C-F	C5.11	8		X	X			IHP-2005
						C-F	C5.21	3		X				IHP-2005
						C-F	C5.31	1		X				IHP-2005
2HP09A	6	141/C4	2	CS	0.280	C-H	C7.20	NA					X	
						C-H	C7.21	NA					X	
						C-F	C5.11	8		X				IHP-2006
2HP09B	6	141/C3	2	CS	0.563	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	10		X	X			IHP-2006

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP09C	4	141/C3	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP13A	2	141/B5	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP13B	1	141/B5	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP14A	24	141/B5	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA	18			X		
						C-C	C3.40	1		X				IHP-2007
						C-F	C5.11	18		X				IHP-2004, IHP-2007
2HP16A	3	141/A5	2	CS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP16B	3	141/A5	3	CS	0.300	D-B	D2.10	NA				X		
2HP19A	1	141/D4	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP19B	.75	141/D4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP19C	.75	141/D3	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP20A	3	141/D3	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP20B	4	141/C2	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP20C	2	141/D2	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP21A	1.5	141/C4	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP22A	3	141/D5	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP23A	2	141/C4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP23B	1.5	141/D4	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP25A	.75	141/D7	3	CS	0.219	D-B	D2.10	NA				X		
2HP25B	.5	141/D6	3	CS	0.188	D-B	D2.10	NA				X		
2HP26A	.75	141/C6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA						

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP40A	.75	134-1/B6	3	CS	0.154	D-B	D2.10	NA				X		
2HP41A	.75	134-1/B4	3	CS	0.154	D-B	D2.10	NA				X		
2HP42A	.75	134-1/B4	3	CS	0.154	D-B	D2.10	NA				X		
2HP43A	.75	134-1/B3	3	CS	0.154	D-B	D2.10	NA				X		
2HP50A	14	134-1/B7	3	CS	0.375	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					
2HP51A	10	134-1/B6	3	CS	0.365	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					
2HP52A	10	134-1/B5	3	CS	0.365	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP52B	8	134-1/B4	3	CS	0.322	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					
2HP53A	8	134-1/B3	3	CS	0.322	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					
2HP53B	10	134-1/B2	3	CS	0.375	D-B	D2.10	NA				X		
						D-B	D2.20	NA	X					
						D-B	D2.30	NA	X					
						D-B	D2.40	NA	X					
						D-B	D2.50	NA	X					
						D-B	D2.60	NA	X					
2HP54A	4	134-1/A4	3	CS	0.237	D-B	D2.10	NA				X		
2HP54BA	2.5	134-3/C8	3	CS	0.203	D-B	D2.10	NA				X		
2HP54BB	2.5	134-3/C8	3	CS	0.203	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP54C	2	134-3/C8	3	CS	0.218	D-B	D2.10	NA				X		
2HP55A	4	134-1/A3	3	CS	0.237	D-B	D2.10	NA				X		
2HP55BA	2.5	134-3/C6	3	CS	0.203	D-B	D2.10	NA				X		
2HP55BB	2.5	134-3/C7	3	CS	0.203	D-B	D2.10	NA				X		
2HP56A	.75	134-1/B7	3	CS	0.154	D-B	D2.10	NA				X		
2HP57A	.75	134-1/B4	3	CS	0.154	D-B	D2.10	NA				X		
2HP58A	.75	134-1/B4	3	CS	0.154	D-B	D2.10	NA				X		
2HP59AA	.75	134-1/A3	3	CS	0.154	D-B	D2.10	NA				X		
2HP59AB	.75	134-1/A3	3	CS	0.154	D-B	D2.10	NA				X		
2HP59BA	.5	134-1/A3	3	CS	0.147	D-B	D2.10	NA				X		
2HP59BB	.5	134-1/A3	3	CS	0.147	D-B	D2.10	NA				X		
2HP60A	.75	134-3/D7	3	CS	0.154	D-B	D2.10	NA				X		
2HP61A	.75	134-3/D6	3	CS	0.154	D-B	D2.10	NA				X		
2HP62AA	.75	134-1/B3	3	CS	0.154	D-B	D2.10	NA				X		
2HP62AB	.75	134-1/B3	3	CS	0.154	D-B	D2.10	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2HP63A	4	134-1/B3	3	CS	0.237	D-B	D2.10	NA				X		
2HP77AA	2	83-3/	3	CS	0.218	D-B	D2.10	NA				X		
2HP77AB	2	83-3/	3	CS	0.218	D-B	D2.10	NA				X		
2HP80A	.5	137-5/F7	2	CS	0.188	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP80B	.75	137-5/E7	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP81A	.75	137-5/E7	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2HP84A	.75	141/B4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21							
2HP85A	1	134-1/B6	3	CS	0.179	D-B	D2.10	NA				X		
2HP86A	2	134-1/B5	3	CS	0.218	D-B	D2.10	NA				X		
2HP87A	2	141/B2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2HP90AA	1	83-3/	3	CS	0.179	D-B	D2.10	NA				X		
2HP90AB	1	83-3/	3	CS	0.179	D-B	D2.10	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2-JPI-A	4	139-3/A4	1	SS	V	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			2-JPI-A
2-JPI-B	4	139-3/A5	1	SS	V	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			2-JPI-B

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LC01AA	2.5	116-8/F3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC01AB	2.5	116-8/E3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC01AC	2.5	116-8/D3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC01AD	2.5	116-8/C3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC02AA	2	116-8/F5	2	SS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC02AB	2	116-8/E5	2	SS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC02AC	2	116-8/D5	2	SS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC02AD	2	116-8/C5	2	SS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC03AA	2.5	116-8/F6	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2LC03AB	2.5	116-8/E6	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LC03AC	2.5	116-8/D6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03AD	2.5	116-8/C6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03B	4	116-8/D6	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03BA	2.5	116-8/F6	2	CS	0.203	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03BB	2.5	116-8/E6	2	CS	0.203	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03BC	2.5	116-8/D6	2	CS	0.203	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC03BD	2.5	116-8/C6	2	CS	0.203	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC04A	3	116-8/F7	2	CS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06AA	2.5	116-8/F4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LC06AB	2.5	116-8/E4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06AC	2.5	116-8/C4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06AD	2.5	116-8/B4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06BA	2	116-8/E4	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06BB	2	116-8/D4	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC06BC	2	116-8/C4	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC07AA	.75	116-8/E6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC07AB	.75	116-8/D6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC07AC	.75	116-8/C6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC07AD	.75	116-8/B6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC08A	.75	116-8/E6	2	SS	0.113	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

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LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LC09A	2.5	116-8/B4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC09B	2.5	116-8/B5	2	CS	0.203	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC09C	4	116-8/A6	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC09CA	4	116-8/B7	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC09CB	4	116-8/A7	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC11A	2	116-8/A4	2	CS	0.343	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC12A	.75	116-8/A6	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC13A	.75	116-8/A6	2	SS	0.113	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC14A	.75	116-8/F7	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC23AA	.75	116-81	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LC23AB	.75	16-81	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC23AC	.75	16-81	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LC23AD	.75	16-81	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LP01A	24	140/B5	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				ILP-2003
						C-F	C5.11	15		X				ILP-2003
2LP02A	16	140/C3	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	24		X				ILP-2002, ILP-2013, ILP-2014
2LP02B *1A*	12	140/D6	1	CS	0.843	B-P	B15.51	NA				X		
						B-P	B15.50	NA				X		
						B-F	B5.50	1		X	X			ILP-2001
						B-J	B9.11	19		X	X		RI-16	ILP-2001
						B-K-1	B10.10	8		X				ILP-2001S
						B-G-2	B7.70	5	X					ILP-2001B
						B-M-2	B12.40	3	X				RI-14	ILP-2001I
						F-C	NA	7	X					
2LP02C	3	140/C3	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP02D	12	140/C6	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	3		X				ILP-2002

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2LP06A	14	140/C5	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	7		X				ILP-2013
2LP06B	14	140/C6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				ILP-2012
						C-F	C5.11	34		X			RI-16	ILP-2010, ILP-2011 ILP-2012
2LP08A	4	140/C3	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP08B	4	140/C5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP09A	.75	140/C6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP13A	3	140/A5	2	CS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP13B	3	140/A5	3	CS	0.300	D-B	D2.10	NA				X		
2LP14A	1	140/B1	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP14B	2	140/B5	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LP15A	2	140/B3	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP15B	1.5	140/B3	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP16A	1.5	140/B3	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP16B	.75	140/B3	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP16C	.75	140/C3	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP16D	1	140/B3	2	CS	0.179	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP17A	.75	140/B3	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP18A	1.5	140/B4	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2LP19A	3	140/D5	2	CS	0.300	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LP20A	4	140/C5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP20B	3	140/D6	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP22A	.75	140/D7	3	CS	0.219	D-B	D2.10	NA				X		
2LP22B	.5	140/D6	3	CS	0.188	D-B	D2.10	NA				X		
2LP27AA	.75	140/C5	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP28A	24	140/A4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	10		X				ILP-2004
2LP31A	.75	137-5/E6	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP32A	.5	137-5/F6	2	CS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP32B	.75	137-5/E6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2LP35A	2	140/B2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2LP36A	1.5	140/B5	2	CS	0.191	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MSA1AA	.75	116-1/A6	2	SS	0.125	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSA1AB	.75	116-1/A6	2	SS	0.125	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSA2A	.5	116-1/A6	2	SS	0.125	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSB8AA	1.5	116-2/C5	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MSB8AB	1.5	116-2/A5	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MSB8AC	1.5	116-2/E5	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MSB8AD	1.5	116-2/D5	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MSC1A	2.5	116-8/B3	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSC1AA	1.5	116-2/C3	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MSC1AB	1.5	116-2/A3	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSC1AC	1.5	116-2/E3	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSC1AD	1.5	116-2/D3	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSC2A	.75	116-8/A3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MSC3A	2	116-8/A3	2	CS	0.343	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS01AA	26	116-1/C8	1	CS	1.25	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	17		X	X		RI-05	IMS-2001, IMS-2051
						B-J	B9.12	20		X	X		RI-05	IMS-2001, IMS-2051
						B-K-1	B10.10			X				IMS-2001S
						B-G-2	B7.70	1	X					IMS-2051B
						B-M-2	B12.40	1	X				RI-14	IMS-2051I
						F-C	NA	10	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS01AB	26	116-1/A8	1	CS	1.25	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	18		X	X		RI-05	IMS-2002, IMS-2052
						B-J	B9.12	22		X	X		RI-05	IMS-2002, IMS-2052
													RI-16	
						B-K-1	B10.10			X				IMS-2002S
						B-G-2	B7.70	1	X					IMS-2052B
						B-M-2	B12.40	1	X				RI-14	IMS-2052I
						F-C	NA	12	X					
2MS01AC	26	116-1/F8	1	CS	1.25	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	18		X	X		RI-05	IMS-2003, IMS-2053
						B-J	B9.12	22		X	X		RI-05	IMS-2003, IMS-2053
						B-K-1	B10.10			X				IMS-2003S
						B-G-2	B7.70	1	X					IMS-2053IB
						B-M-2	B12.40	1	X				RI-14	IMS-2053I
						F-C	NA	11	X					
2MS01AD	26	116-1/D8	1	CS	1.25	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	17		X	X		RI-05	IMS-2004, IMS-2054
						B-J	B9.12	20		X	X		RI-05	IMS-2004, IMS-2054
						B-K-1	B10.10			X				IMS-2004S
						B-G-2	B7.70	1	X					IMS-2054B
						B-M-2	B12.40	1	X				RI-14	IMS-2054I
						F-C	NA	10	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS01BA	26	116-2/C1	2	CS	0.95	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	13		X	X		RI-05	IMS-2036, IMS-2037
						C-F	C5.22	12		X	X			IMS-2036, IMS-2037
						C-F	C5.31	2		X			RI-07	IMS-2044
						C-F	C5.32	1		X				IMS-2044
2MS01BB	26	116-2/B1	2	CS	0.95	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	15		X	X		RI-05	IMS-2038, IMS-2039
						C-F	C5.22	14		X	X			IMS-2038, IMS-2039
						C-F	C5.31	2		X			RI-07	IMS-2044
						C-F	C5.32	1		X				IMS-2044
2MS01BC	26	116-2/F1	2	CS	0.95	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	11		X	X		RI-05	IMS-2040, IMS-2041 IMS-2044
						C-F	C5.22	11		X	X			IMS-2040, IMS-2041, IMS-2044
						C-F	C5.31	1			X		RI-07	IMS-2044
						C-F	C5.32	1			X			IMS-2044
2MS01BD	26	116-2/D1	2	CS	0.95	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	13			X	X	RI-05	IMS-2042, IMS-2043 IMS-2044
						C-F	C5.22	10			X	X		IMS-2042, IMS-2043, IMS-2044
						C-F	C5.31	1			X		RI-07	IMS-2044
						C-F	C5.32	1			X			IMS-2044

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS01CA	28	116-3/E7	2	CS	1.04	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	3		X	X			IMS-2044
						C-F	C5.22	5		X	X			IMS-2044
						C-F	C5.31	2		X			RI-07	IMS-2044
						C-F	C5.32	1		X				IMS-2044
2MS01CB	28	116-3/E7	2	CS	1.04	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	3		X	X			IMS-2044
						C-F	C5.22	5		X	X			IMS-2044
						C-F	C5.31	2		X			RI-07	IMS-2044
						C-F	C5.32	1		X				IMS-2044
2MS01CC	28	116-3/C7	2	CS	1.04	C-H	C7.20	NA						
						C-H	C7.21	NA						
						C-F	C5.21	3			X	X		IMS-2044
						C-F	C5.22	5			X	X		IMS-2044
						C-F	C5.31	2			X		RI-07	IMS-2044
						C-F	C5.32	1			X			IMS-2044

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS01CD	28	116-3/C7	2	CS	1.04	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	3		X	X			IMS-2044
						C-F	C5.22	5		X	X			IMS-2044
						C-F	C5.31	2		X			RI-07	IMS-2044
						C-F	C5.32	1		X				IMS-2044
2MS01EA *1A*	26	116-2/C5	1	CS	1.062	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2051
						B-J	B9.12	2		X	X			IMS-2051
						B-G-2	B7.70	1	X					IMS-2051B
						B-M-2	B12.40	1	X				RI-14	IMS-2051I

GF-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS01EB *1A*	26	116-02/B5	1	CS	1.062	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2052
						B-J	B9.12	2		X	X			IMS-2052
						B-G-2	B7.70	1	X					IMS-2052B
						B-M-2	B12.40	1	X				RI-14	IMS-2052I
2MS01EC *1A*	26	116-2/F5	1	CS	1.062	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2053
						B-J	B9.12	2		X	X			IMS-2053
						B-G-2	B7.70	1	X					IMS-2053B
						B-M-2	B12.40	1	X				RI-14	IMS-2053I
2MS01ED *1A*	26	116-2/D5	1	CS	1.062	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2054
						B-J	B9.12	2		X	X			IMS-2054
						B-G-2	B7.70	1	X					IMS-2054B
						B-M-2	B12.40	1	X				RI-14	IMS-2054I
2MS04AA	8	116-1/D3	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2004
						B-J	B9.31	1		X	X			IMS-2004
						B-G-2	B7.50	1	X					IMS-2004B
						B-G-2	B7.70	1	X					IMS-2004B
						B-M-2	B12.40	1	X				RI-14	IMS-2004I

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04AB	8	116-1/C3	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2001
						B-J	B9.31	1		X	X			IMS-2001
						B-G-2	B7.50	1	X					IMS-2001B
						B-G-2	B7.70	1	X					IMS-2001B
						B-M-2	B12.40	1	X				RI-14	IMS-2001I
2MS04AC	8	116-1/E2	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2003
						B-J	B9.31	1		X	X			IMS-2003
						B-G-2	B7.50	1	X					IMS-2003B
						B-G-2	B7.70	1	X					IMS-2003B
						B-M-2	B12.40	1	X				RI-14	IMS-2003I
2MS04AD	8	116-1/B2	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2002
						B-J	B9.31	1		X	X			IMS-2002
						B-G-2	B7.50	1	X					IMS-2002B
						B-G-2	B7.70	1	X					IMS-2002B
						B-M-2	B12.40	1	X				RI-14	IMS-2002I
2MS04AE	8	116-1/E3	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2003
						B-J	B9.31	1		X	X			IMS-2003
						B-G-2	B7.50	1	X					IMS-2003B
						B-G-2	B7.70	1	X					IMS-2003B
						B-M-2	B12.40	1	X				RI-14	IMS-2003I

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04AF	8	116-1/B3	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			1MS-2002
						B-J	B9.31	1		X	X			IMS-2002
						B-G-2	B7.50	1	X					IMS-2002B
						B-G-2	B7.70	1	X					IMS-2002B
						B-M-2	B12.40	1	X				RI-14	IMS-2002I
2MS04AG	8	116-1/D6	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			1MS-2004
						B-J	B9.31	1		X	X			IMS-2004
						B-G-2	B7.50	1	X					IMS-2004B
						B-G-2	B7.70	1	X					IMS-2004B
						B-M-2	B12.40	1	X				RI-14	IMS-2004I
2MS04AH	8	116-1/D4	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2004
						B-J	B9.31	1		X	X			IMS-2004
						B-G-2	B7.50	1	X					IMS-2004B
						B-G-2	B7.70	1	X					IMS-2004B
						B-M-2	B12.40	1	X				RI-14	IMS-2004I
2MS04AJ	8	116-1/C4	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2001
						B-J	B9.31	1		X	X			IMS02001
						B-G-2	B7.50	1	X					IMS-2001B
						B-G-2	B7.70	1	X					IMS-2001B
						B-M-2	B12.40	1	X				RI-14	IMS-2001I

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04AK	8	116-1/B4	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2002
						B-J	B9.31	1		X	X			IMS-2002
						B-G-2	B7.50	1	X					IMS-2002B
						B-G-2	B7.70	1	X					IMS-2002B
						B-M-2	B12.40	1	X				RI-14	IMS-2002I
2MS04AL	8	116-1/E6	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2003
						B-J	B9.31	1		X	X			IMS-2003
						B-G-2	B7.50	1	X					IMS-2003B
						B-G-2	B7.70	1	X					IMS-2003B
						B-M-2	B12.40	1	X				RI-14	IMS-2003I
2MS04AM	8	116-1/B7	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2002
						B-J	B9.31	1		X	X			IMS-2002
						B-G-2	B7.50	1	X					IMS-2002B
						B-G-2	B7.70	1	X					IMS-2002B
						B-M-2	B12.40	1	X				RI-14	IMS-2002I
2MS04AN	8	116-1/E7	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2003
						B-J	B9.31	1		X	X			IMS-2003
						B-G-2	B7.50	1	X					IMS-2003B
						B-G-2	B7.70	1	X					IMS-2003B
						B-M-2	B12.40	1	X				RI-14	IMS-2003I

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM MS-MAIN STEAM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04AP	8	116-1/C6	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2001
						B-J	B9.31	1		X	X			IMS-2001
						B-G-2	B7.50	1	X					IMS-2001B
						B-G-2	B7.70	1	X					IMS-2001B
						B-M-2	B12.40	1	X				RI-14	IMS-2001I
2MS04AR	8	116-1/E4	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2003
						B-J	B9.31	1		X	X			IMS-2003
						B-G-2	B7.50	1	X					IMS-2003B
						B-G-2	B7.70	1	X					IMS-2003B
						B-M-2	B12.40	1	X				RI-14	IMS-2003I
2MS04AS	8	116-1/A6	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2002
						B-J	B9.31	1		X	X			IMS-2002
						B-G-2	B7.50	1	X					IMS-2002B
						B-G-2	B7.70	1	X					IMS-2002B
						B-M-2	B12.40	1	X				RI-14	IMS-2002I
2MS04AU	8	116-1/D7	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2004
						B-J	B9.31	1		X	X			IMS-2004
						B-G-2	B7.50	1	X					IMS-2004B
						B-G-2	B7.70	1	X					IMS-2004B
						B-M-2	B12.40	1	X				RI-14	IMS-2004I

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04AV	8	116-1/C7	1	CS	0.906	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IMS-2001
						B-J	B9.31	1		X	X			IMS-2001
						B-G-2	B7.50	1	X					IMS-2001B
						B-G-2	B7.70	1	X					IMS-2001B
						B-M-2	B12.40	1	X				RI-14	IMS-2001I
2MS04BA	12	116-1/D3	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BB	12	116-1/C3	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BC	12	116-1/E1	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04BD	12	116-1/B1	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BE	12	116-1/E3	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BF	12	116-1/B3	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BG	12	116-1/D6	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04BH	12	116-1/D4	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04GJ	12	116-1/C4	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BK	12	116-1/B4	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BL	12	116-1/E6	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
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LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04BM	12	116-1/B7	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BN	12	116-1/E7	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BP	12	116-1/C6	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BR	12	116-1/E4	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
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ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04BS	12	116-1/B6	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BU	12	116-1/D7	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04BV	12	116-1/C7	3	CS	0.406	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FA	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04FB	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FC	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FD	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FE	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04FF	12	138-1/B4	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FG	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FH	12	138-1/B6	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FJ	12	138-1/B6	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2MS04FK	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FL	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FM	12	138-1/B6	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FN	12	138-1/B6	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS04FP	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FR	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FS	12	138-1/B5	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS04FU	12	138-1/B6	3	CS	0.688	D-A	D1.10	NA				X		
						D-A	D1.20	NA	X					
						D-A	D1.30	NA	X					
						D-A	D1.40	NA	X					
						D-A	D1.50	NA	X					
						D-A	D1.60	NA	X					
2MS05A	2	116-1/C8	1	CS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS06A	10	116-1/B8	1	CS	0.750	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	7		X	X			IMS-2002
						B-J	B9.31	1		X	X			IMS-2055, IRI-2001
						B-G-2	B7.70	1	X					IMS-2055B
						B-M-2	B12.40	1	X				RI-14	IMS-2055I
						F-C	NA	4	X					
2MS06B	1	147-1/E8	1	CS	0.250	B-P	B15.	NA				X		
						B-P	B15.	NA				X		
2MS14A *1A*	3	116-7/C8	1	CS	0.300	B-P	B15.5.	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.21	10			X			IMS-2046
						B-G-2	B7.50	2	X					IMS-2046B
2MS14AA	2	116-2/E8	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS14AB	2	116-2/F8	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS14AC	2	116-2/D8	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS14AD	2	116-2/D8	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2MS18A	.75	116-7/B6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS19B	3	116-7/B5	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS19BA	2	116-7/B4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS19BB	2	116-7/B4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS19BC	2	116-7/B4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS19BD	2	116-7/B4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS20AA	2	116-2/C4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20AB	2	116-2/B4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20AC	2	116-2/F4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS20AD	2	116-2/D4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20BA	1.5	116-2/C4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20BB	1.5	116-2/B4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20BC	1.5	116-2/E4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS20BD	1.5	116-2/D4	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2MS22AA	1	116-2/C5	3	CS	0.250	D-A	D1.10	NA				X		
2MS22AB	1	116-2/B5	3	CS	0.250	D-A	D1.10	NA				X		
2MS22AC	1	116-2/F5	3	CS	0.250	D-A	D1.10	NA				X		
2MS22AD	1	116-2/E5	3	CS	0.250	D-A	D1.10	NA				X		
2MS25A	12	116-7/C4	2	CS	0.688	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			GEL-1100
2MS25AA	2	116-7/D4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS25AB	2	116-7/D4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS25AC	2	116-7/D3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS25AD	2	116-7/D3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS25B	3	116-7/B2	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS27A	1	116-7/B2	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS28A	12	116-7/D1	2	CS	0.688	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			GEL-1100
2MS28AA	2	116-2/C2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS28AB	2	116-2/B2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS28AC	2	116-2/F2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS28AD	2	116-2/D2	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS28B	3	116-7/C1	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS30A	1	116-7/C1	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2MS32A	36	116-3/B7	2	CS	1.335	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	3		X	X			IMS-2044
						C-F	C5.21	2		X	X			IMS-2044
2MS32BA	18	116-3/B7	2	CS	0.937	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IMS-2045
2MS32BB	18	116-3/F8	2	CS	0.937	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IMS-2045
2MS38AA	18	116-3/B7	2	CS	0.937	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	5		X	X			IMS-2044
						C-F	C5.31	1		X			RI-07	IMS-2044

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM MS-MAIN STEAM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2MS38AB	18	116-3/F7	2	CS	0.937	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			IMS-2044
						C-F	C5.31	1		X			RI-07	IMS-2044
2MS46AA	1	116-2/C7	3	CS	0.250	D-A	D1.10	NA				X		
2MS46AB	1	116-2/B7	3	CS	0.250	D-A	D1.10	NA				X		
2MS46AC	1	116-2/F7	3	CS	0.250	D-A	D1.10	NA				X		
2MS46AD	1	116-2/D7	3	CS	0.250	D-A	D1.10	NA				X		
2MS94A	1	116-7/A7	3	CS	0.250	D-A	D1.10	NA				X		
2MS94B	.5	116-7/B7	3	CS	0.188	D-A	D1.10	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB01AA	.75	139-3/A4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB02AA	.75	139-3/A5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB03AA	.75	139-3/A5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB03AC	1	139-3/A5	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB04AA	.75	139-3/A5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB06B	.75	139-4/A4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB07B	.75	139-4/B4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB08B	.75	139-4/D4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB09A	2	139-4/D3	1	SS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2NB09B	1	139-4/D4	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB10A	.75	139-4/C4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB11A	2	139-4/E3	1	SS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB11B	1	139-4/E4	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB12A	.75	139-4/D4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB13A	4	139-4/F3	1	CS	0.437	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			INB-2001
2NB13B	2	139-4/F2	1	CS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB14A	1	139-4/F3	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB15A	.75	139-4/B4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB16A	2	139-4/F2	1	SS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB17A	.75	139-4/E4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB18A	.75	139-4/A4	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB19B	.75	139-5/B7	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB20B	.75	139-5/C7	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB20C	.5	139-5/C6	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB21B	.75	139-5/D7	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB22A	2	139-5/D7	1	SS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB22B	1	139-5/C7	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB23A	.75	139-5/B7	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB24A	2	139-5/E7	1	SS	0.343	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB24B	1	139-5/E7	1	SS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2NB25A	.75	139-5/E7	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB26A	.75	139-5/A6	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB27A	.75	139-5/F6	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB27BA	.5	139-5/F5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB27BB	.5	139-5/F5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB30AA	.5	139-4/A5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB31AA	.5	139-5/F5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB32AA	.75	139-3/E3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB33AA	.75	139-3/E3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB34AA	.75	139-3/D3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB35AA	.75	139-3/D3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB36AA	.75	139-3/D3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB36BA	.75	139-3/D3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB37AA	.75	139-3/C3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

REVISION 0

SYSTEM NB-NUCLEAR BOILER

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB38AA	.75	139-3/C3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB39AA	.75	139-3/C3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB40AA	.75	139-3/B3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB41AA	.75	139-3/B3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB41BA	.75	139-3/B3	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB42AA	.75	139-3/E5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB43AA	.75	139-3/E5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB44AA	.75	139-3/D5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB45AA	.75	139-3/D5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB46AA	.75	139-3/D5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB46BA	.75	139-3/D5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB47AA	.75	139-3/C5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB48AA	.75	139-3/C5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB49AA	.75	139-3/C5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB50AA	.75	139-3/B5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB51AA	.75	139-3/B5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB51BA	.75	139-3/B5	2	SS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB52A	.5	139-3/C1	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB54A	.5	139-3/A2	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2NB56A	.5	139-3/C7	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB57A	.5	139-5/D5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB58A	.75	139-5/D1	3	CS	0.219	D-A	D1.10	NA				X		
2NB60A	.5	139-4/D7	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB61A	.5	139-5/C5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB62A	.5	139-4/C5	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2NB63A	.5	139-5/E6	2	SS	0.147	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

REVISION 0

SYSTEM PC-PRIMARY CONTAINMENT VENT AND PURGE

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2PC01AA	24	138-2/C6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2PC01AB	24	138-2/C7	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2PC01AC	24	138-2/C3	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2PC01AD	24	138-2/C2	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RD22AA	8	146-2/C4	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	40		X				GEL-1105
2RD22AB	8	146-2/	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	36		X				GEL-1112
2RD22BA	12	146-2/C4	2	CS	0.844	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			GEL-1105
2RD22BB	12	146-2/C2	2	CS	0.844	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			GEL-1112
2RD22C	2	146-2/B2	2	CS	0.343	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD22CA	2	146-2/B3	2	CS	0.343	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD22CB	2	146-2/B2	2	CS	0.343	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD23A	1	146-2/C2	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RD23AA	1	146-2/D4	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD23AB	1	146-2/D2	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD25AA	.5	146-2/C2	2	CS	0.187	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD25AB	.5	146-2/C3	2	CS	0.187	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD25AC	.5	146-2/C3	2	CS	0.187	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD25AD	.5	146-2/C4	2	CS	0.187	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD28A	.5	146-2/B3	2	CS	0.187	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD53A	.75	146-3/E1	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD55A	.75	146-3/E7	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD82A	.5	146-2/C3	2	CS	0.188	C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RD83A	.5	146-2/C3	2	CS	0.188	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD94A	.75	146-4/	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RD95A	.75	146-4/	2	CS	0.219	C-H	C7.21	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RE62B	4	137-4/A5	2	SS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RE62C	2	137-4/B4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
12RE65D	1	137-4/D4	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RE65E	2	137-4/C4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RE65F	4	137-4/C4	2	SS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2REL4A	0.75	137-4/B4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2REL5A	0.75	137-4/D5	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RF19B	4	137-4/A5	2	SS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RF19C	2	137-4/A4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RFB1A	0.75	137-4/A4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RHA6A	14	142-1/C2	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	3		X				
2RHB4AA	2.0	142-/C7	1	CS	0.344	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RHB4AB	2.0	142-/D7	1	CS	0.344	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RHB9A	14	142-3/A6	2	CS	0.375	C-H	C7.20	NA						
						C-H	C7.21	NA						
						C-F	C5.11	5	X			X		IRH-2016
						C-F	C5.31	1	X			X		IRH-2016
2RHC4AA	2.0	142-4/D3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHC4AB	2.0	142-/4D6	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				x		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RHC4CA	2.0	142-4/D3	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHC4CB	2.0	142-4/D6	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHC4D	1.5	142-4/E6	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE1AA	.75	137-5/F6	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE1AB	.75	137-5/F8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE1AC	.75	137-5/F8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE2A *1A*	14	142-3/E3	2	CS	0.375	C-H C-H C-F C-F	C7.20 C7.21 C5.11 C5.31	NA NA 8 1		X X		X X		IRH-2016 IRH-2016
2RHE3AA	1.5	142-1/F8	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		

GE-107

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RHE3AB	1.5	142-3/F2	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE4A	.75	142-1/B8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE5A	.75	142-3/A7	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHE8AA	1.0	134-2/C4	3	CS	0.179	D-B	D2.10	NA				X		
2RHE8AB	1.0	134-1/E3	3	CS	0.179	D-B	D2.10	NA				X		
2RHE8AC	1.0	134-1/E3	3	CS	0.179	D-B	D2.10	NA				X		
2RHE8BA	1.0	134-2/C4	3	CS	0.179	D-B	D2.10	NA				X		
2RHE8BB	1.0	134-1/E3	3	CS	0.179	D-B	D2.10	NA				X		
2RHE8BC	1.0	134-1/E3	3	CS	0.179	D-B	D2.10	NA				X		
2RHE9A	1.0	142-3/B6	3	CS	0.179	D-B	D2.10	NA				X		
2RHG1AA	1	134-2/B5	3	CS	0.179	D-B	D2.10	NA				X		
2RHG1AB	1	134-1/F5	3	CS	0.179	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RHG2AA	2	134-2/B5	3	CS	0.218	D-B	D2.10	NA				X		
2RHG2AB	2	134-1/E5	3	CS	0.218	D-B	D2.10	NA				X		
2RHG3AA	2	142-1/A5	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG3AB	2	142-2/B5	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG3AC	2	142-3/A5	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG4A	1.5	142-3/D7	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RHG5A	2	142-3/B3	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG6A	2	96-3/B3	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG7AA	2	142-4/C4	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RHG7BA	2	142-4/C5	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RHG8A	2	96-4/D6	2	CS	0.344	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHG9A	1.5	142-3/D6	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHH1A	2.0	142-3	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHH2BA	1.5	142-4/E7	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHH4A	1.5	142-3	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHH5A	1.5	142-2	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RHH9A	1.5	142-2	1	CS	0.281	B-P B-P	B15.50 B15.51	NA NA				X X		
2RHJ1C	1.5	142-3	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH01AA	24	142-1/A6	2	CS	0.688	C-H C-H C-F	C7.20 C7.21 C5.21	NA NA 12		X	X	X X		IRH-2010

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH01AB	24	142-2/B7	2	CS	0.688	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	12		X	X			IRH-2011
2RH01BA	24	142-1/A7	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2010
						C-F	C5.11	2		X				IRH-2010
						C-F	C5.21	1		X	X			IRH-2010
2RH01BB	24	142-1/B7	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2011
						C-F	C5.11	2		X				IRH-2011
						C-F	C5.21	1		X	X			IRH-2011
2RH02AA	18	142-1/A4	2	CS	0.570									
					0.340	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2012
						C-F	C5.21	23		X	X			IRH-2012, IRH-2013

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH02AB	18	142-2/B4	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2007
						C-F	C5.21	21		X	X			IRH-2007
2RH03AA	18	142-4/C2	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	18		X	X			IRH-2014, IRH-2015
						C-F	C5.31	1			X			IRH-2015
2RH03AB	18	142-4/C7	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	23		X	X			IRH-2006, IRH-2077
2RH03BA	12	142-1/D4	2	CS	0.430	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	6		X				IRH-2005, IRH-2022

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH03BB	12	142-2/D3	2	CS	0.430	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	8		X				IRH-2006
2RH03CA *1A*	12	142-1/D6	1	CS	0.937	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	12		X	X			IRH-2005
						B-K-1	B10.10	1		X				IRH-2005
						B-G-2	B7.70	4	X					IRH-2005B
						B-M-2	B12.40	2	X				RI-14	IRH-2005I
						F-C	NA	1	X					
2RH03CB *1A*	12	142-2/D7	1	CS	0.937	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	15		X	X			IRH-2001
						B-K-1	B10.10	1		X				IRH-2001
						B-G-2	B7.70	4	X					IRH-2001B
						B-M-2	B12.40	2	X				RI-14	IRH-2001I
						F-C	NA	4	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH03DA	12	142-1/D8	1	SS	0.844	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2005
						B-J	B9.11	2		X	X			IRH-2005
						F-C	NA	1	X					
2RH03DB	12	142-2/D8	1	SS	0.844	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2001
						B-J	B9.11	3		X	X			IRH-2001
2RH04A	20	142-3/D8	1	CS	1.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2031
						B-J	B9.11	4		X	X		RI-16	IRH-2031
						B-G-2	B7.70	2	X					IRH-2031B
						B-M-2	B12.40	2	X				RI-14	IRH-2031I
2RH04B *1A*	20	142-3/D7	1	SS	0.900	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2031
						B-J	B9.11	7		X	X			IRH-2031
						B-J	B9.12	12		X	X			IRH-2031
						B-K-1	B10.10	1		X				IRH-2031
						F-C	NA		X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RH04C	20	142-3/D5	2	SS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	19		X				IRH-2033
						C-F	C5.12	50		X				IRH-2033
						C-F	C5.21	1		X	X			IRH-2033
2RH04DA	18	142-3/D5	2	SS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	6		X				IRH-2034
						C-F	C5.12	14		X				IRH-2034
2RH04DB	18	142-3/B5	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	10		X				IRH-2046
						C-F	C5.12	25		X				IRH-2046
						C-F	C5.21	1		X	X			IRH-2011
2RH04EA	18	142-1/A6	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	1		X	X			IRH-2010

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH04EB	18	142-2/B6	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	1		X	X			IRH-2011
2RH04F	20	142-3/D7	1	CS	1.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2031
						B-J	B9.11	1		X	X			IRH-2031
						B-G-2	B7.70	1	X					IRH-2031B
						B-M-2	B12.40	1	X				RI-14	IRH-2032I
2RH04G	20	142-3/D6	2	CS	0.625	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			IRH-2033
2RH05A	3	142-1/A4	3	CS	0.300	D-B	D2.10	NA			X			
2RH05BA	3	142-1/A3	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH05BB	3	142-2/B2	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH05BC	3	142-3/B2	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH05C	3	142-2/A5	3	CS	0.300	D-B	D2.10	NA				X		
2RH06AA	3	142-1/A6	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH06AB	3	142-2/A3	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH06BA	3	142-1/A5	3	CS	0.300	D-B	D2.10	NA				X		
2RH06BB	3	142-2/A4	3	CS	0.300	D-B	D2.10	NA				X		
2RH07A	3	141/A6	3	CS	0.300	D-B	D2.10	NA				X		
2RH10A	3	142-1/A5	3	CS	0.300	D-B	D2-10	NA				X		
2RH12AA	8	142-1/B5	2	CS	0.195	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2032
						C-F	C5.11	15		X				IRH-2032
						C-F	C5.31	1		X				IRH-2032
2RH12AB	8	142-2/C3	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2007
						C-F	C5.31	1		X				IRH-2007
2RH12AC	8	142-3/B4	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2039
						C-F	C5.31	1		X				IRH-2039
2RH12BA	8	142-1/C5	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2028
						C-F	C5.31	1		X				IRH-2028

GE-107

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH12BB	8	142-2/C1	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.20	NA				X		
						C-F	C5.11	12		X				IRH-2047
2RH12BC	8	142-3/B3	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	12		X				IRH-2047
						C-F	C5.31	1		X				IRH-2036
2RH13AA	18	142-1/D2	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C52.1	2		X	X			IRH-2015
2RH13AB	18	142-2/E1	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C52.1	3		X	X			IRH-2077
2RH13BA	18	142-1/C4	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2027
						C-F	C5.11	35		X				IRH-2027, IRH-2028 IRH-2029, IRH-2030

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH13BB	18	142-2/C6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	21			X			IRH-2036, IRH-2037
2RH13CA	16	142-1/B7	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2030
						C-F	C5.11	3		X				IRH-2030
2RH13CB	16	142-2/C7	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2038
						C-F	C5.11	8		X				IRH-2038
2RH14A	18	142-3/E5	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2041
2RH14B	18	142-3/F6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2024
						C-F	C5.11	23		X				IRH-2023, IRH-2024, IRH-2025

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH15AA	4	142-4/A3	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH15AB	4	142-4/A6	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH15BA	4	142-4/A3	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH15BB	4	142-4/A6	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH18AA	18	142-4/D1	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IRH-2013, IRH-2014
2RH18AB	18	142-4/D8	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IRH-2007, IRH-2077
2RH19AA	18	142-4/D4	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C52.1	3		X	X			IRH-2042

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH19AB	18	142-4/E5	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C52.1	5		X	X			IRH-2007, IRH-2043
2RH19BA	18	142-4/E4	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	5			X			IRH-2042
2RH19BB	18	142-4/D5	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			IRH-2043
2RH19CA	10	142-4/C4	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	8		X	X			IRH-2042

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH19CB	10	142-4/C5	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	8		X	X		RI-16	IRH-2043
2RH19DA	10	142-4/C4	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IRH-2042
2RH19DB	10	142-4/C5	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IRH-2043
2RH21AA	.75	142-4/E3	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH21AB	.75	142-4/E6	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH22BA	2	142-4/D3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH22BB	2	142-4/D6	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RH22CA	1	142-4/D3	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH22CB	1	142-4/D6	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH23AA	8	142-4/D3	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2048
						C-F	C5.11	18		X				IRH-2048
						C-F	C5.12	1		X				IRH-2048
2RH23AB *1B*	8	142-4/D5	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2045
						C-F	C5.11	26		X				IRH-2044, IRH-2045
						C-F	C5.12	1		X				IRH-2045
2RH23BA	4	142-4/D3	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH23BB	4	142-4/D5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH24AA	1.5	142-4/C2	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH24AB	1.5	142-4/C7	2	CS	0.281	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH24BA	.75	142-4/C2	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH24BB	.75	142-4/C7	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH25AA	.75	142-4/C2	2	SS	0.308	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH25AB	.75	142-4/C2	2	SS	0.308	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH25CA	.75	142-4/C2	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH25CB	.75	142-4/C7	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH26AA	4	142-4/B1	2	CS	0.237	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH26AB	4	142-4/C8	2	CS	0.237	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH29AA	3	142-4/C1	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH29AB	3	142-4/C8	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH30A	4	142-4/F4	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH30B	4	142-4/F4	3	CS	0.375	D-B	D2.10	NA				X		
2RH32A	.75	142-4/F3	3	CS	0.154	D-B	D2.10	NA				X		
2RH33A	16	142-2/F2	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	9			X			IRH-2006
2RH34A	6	142-1/F5	2	CS	0.280	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	10		X				IRH-2022
						C-F	C5.31	1		X				IRH-2022
2RH34B	6	142-1/F7	1	CS	0.562	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRI-2022
						B-G-2	B7.70	2	X					IRI-2022B
						B-M-2	B12.40	2	X				RI-14	IRI-20221

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH37AA	.75	137-3/C4	3	CS	0.154	D-B	D2.10	NA				X		
2RH37AB	.75	137-3/C3	3	CS	0.154	D-B	D2.10	NA				X		
2RH38AA	.75	137-3/C4	3	CS	0.154	D-B	D2.10	NA				X		
2RH38AB	.75	137-3/C2	3	CS	0.154	D-B	D2.10	NA				X		
2RH39A	4	142-1/C8	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH39AA	4	142-1/C4	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH39AB	4	142-2/C7	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH40AA	12	142-1/D4	2	CS	0.430	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	24		X				IRH-2003, IRH-2017, IRH-2018, IRH-2019
2RH40AB	12	142-2/E4	2	CS	0.430	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	6		X				IRH-2008

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH40BA	12	142-1/D6	1	CS	0.843	B-P	B15.50	NA				X		
1A						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2003
						B-J	B9.11	21		X	X			IRH-2003
						B-K-1	B10.10	1		X				IRH-2003
						B-G-2	B7.70	3	X					IRH-2003B
						B-M-2	B12.40	3	X				RI-14	IRH-2003I
						F-C	NA	3						
2RH40BB	12	142-2/E7	1	CS	0.843	B-P	B15.50	NA				X		
1A						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2002
						B-J	B9.11	18		X	X			IRH-2002
						B-K-1	B10.10	2		X				IRH-2002
						B-G-2	B7.70	5	X					IRH-2002B
						B-M-2	B12.40	3	X				RI-14	IRH-2002I
						F-C	NA	4	X					
2RH40CA	16	142-/E4	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	10		X				IRH-2015, IRH-2017
2RH40CB	16	142-2/E3	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	23		X	X			IRH-2006, IRH-2008, IRH-2009

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RH41AA	3	142-1/E4	2	CS	0.318	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH41AB	3	142-2/D3	2	CS	0.318	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42AA	1	142-1/E4	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42AB	1	142-2/D5	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42AC	1	142-3/B2	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42BA	2	142-1/D3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42BB	2	142-2/C7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH42BC	2	142-3/C7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH48A	3	142-3/D6	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM: RH-RESIDUAL HEAT REMOVAL SYSTEM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH49A	1	142-3/C5	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH49B	2	142-3/C7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH50A	20	142-2/B6	2	CS	0.590	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	6		X	X			IRH-2011
2RH53A	18	142-3/E4	2	CS	0.562	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2039
						C-F	C5.21	32		X	X			IRH-2039, IRH-2040, IRH-2041

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH53B	12	142-3/E7	1	CS	0.843	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRH-2004
						B-J	B9.11	19		X	X			IRH-2004
						B-K-1	B10.10	2		X				IRH-2004B
						B-G-2	B7.70	5	X					
						B-M-2	B12.40	3	X				RI-14	IRH-2004I
						F-C	NA	5	X					
						C-F	C5.11	3		X				IRH-2041
2RH53C	12	142-3/E6	2	CS	0.406	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	3			X			IRH-2041
2RH55A	3	140/A6	3	CS	0.300	D-B	D2.10	NA				X		
2RH56A	18	142-3/B6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2016
2RH56B	18	142-3/B5	2	SS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	5		X				IRH-2016, IRH-2046
						C-F	C2.12	7		X				IRH-2046
2RH56C	18	142-3/B6	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	1		X	X			IRH-2046

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH57A	24	142-1/A7	2	CS	0.570	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			IRI-2010
2RH58A	24	142-3/B6	2	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X	X			IRH-2016
						C-F	C5.11	14		X				IRH-2016
2RH59AA	16	142-1/E7	2	CS	0.500	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2021
						C-F	C5.11	19		X				IRH-2020, IRH-2021
2RH59AB	16	142-2/F7	2	CS	0.525	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRH-2008
						C-F	C5.11	17		X				IRH-2008
2RH59BA	10	142-1/E8	2	CS	0.365	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2058, IRH-2061
2RH59BB	10	142-1/F2	2	CS	0.365	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRH-2065, IRH-2068

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH60AA	.75	142-1/D8	3	CS	0.219	D-B	D2.10	NA			X			
2RH60AB	.75	142-2/E7	3	CS	0.219	D-B	D2.10	NA			X			
2RH60AC	.75	142-3/E7	3	CS	0.219	D-B	D2.10	NA			X			
2RH60CA	.5	142-1/D7	3	CS	0.188	D-B	D2.10	NA			X			
2RH60CB	.5	142-2/E7	3	CS	0.188	D-B	D2.10	NA			X			
2RH60CC	.5	142-3/E7	3	CS	0.188	D-B	D2.10	NA			X			
2RH61AA	.75	142-1/C8	3	CS	0.219	D-B	D2.10	NA			X			
2RH61AB	.75	142-2/D8	3	CS	0.219	D-B	D2.10	NA			X			
2RH61CA	.5	142-1/C7	3	CS	0.188	D-B	D2.10	NA			X			
2RH61CB	.5	142-2/D7	3	CS	0.188	D-B	D2.10	NA			X			
2RH62A	.75	142-3/D8	3	CS	0.219	D-B	D2.10	NA			X			
2RH62C	.5	142-3/D7	3	CS	0.188	D-B	D2.10	NA			X			
2RH63A	1	142-2/B3	3	CS	0.250	D-B	D2.10	NA			X			

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH63B	2	142-2/B6	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH65A	1.5	142-3/A7	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH65BA	.75	142-3/A7	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH65BB	.75	142-3/A8	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH65CA	.75	142-3/A8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH65CB	.75	142-2/B2	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH66A	2	142-3/A6	2	CS	0.344	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH66B	1.5	142-3/A7	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH67A	1.5	142-3/A7	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH68AA	1	142-1/A6	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH68AB	1	142-2/B5	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH68AC	1	142-3/B7	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH68BA	2	142-1/A6	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH68BB	2	142-2/B5	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH68BC	2	142-3/B7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH69A	3	142-3/E5	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH70A	3	142-1/F5	2	CS	0.300	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH71A	.75	142-1/A4	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH72BA	10	142-1/E6	2	CS	0.365	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2020
						C-F	C5.31	1		X				IRH-2020

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM RH-RESIDUAL HEAT REMOVAL SYSTEM

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH72BB	10	142-2/F5	2	CS	0.365	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	1		X				IRH-2008
2RH76A	1.5	142-1/E2	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH76B	1.5	142-2/E2	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH78A	.75	142-1/E7	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH78B	.75	142-2/E7	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH78C	.75	142-3/E7	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH79AA	.75	134-2/B4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH79BA	.75	134-1/F4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RH80AA	36	134-2/B7	3	CS	0.375	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH80AB	36	134-1/E7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80BA	18	134-2/B7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80BB	18	134-2/C7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80BC	18	134-1/E7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80BD	18	134-1/F7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80CA	24	134-2/B7	3	CS	0.375	D-B	D2.10	NA				X		
2RH80CB	24	134-1/E7	3	CS	0.375	D-B	D2.10	NA				X		
2RH81AA	16	134-2/B6	3	CS	0.375	D-B	D2.10	NA				X		
2RH81AB	16	134-2/C6	3	CS	0.375	D-B	D2.10	NA				X		
2RH81AC	16	134-1	3	CS	0.375	D-B	D2.10	NA				X		
2RH81AD	16	134-1/F6	3	CS	0.375	D-B	D2.10	NA				X		
2RH81BA	20	134-2/B6	3	CS	0.375	D-B	D2.10	NA				X		
2RH81BB	20	134-1/F5	3	CS	0.375	D-B	D2.10	NA				X		
2RH82AA	20	134-2/B5	3	CS	0.375	D-B	D2.10	NA				X		
2RH82AB	20	134-1/F5	3	CS	0.375	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH83AA	20	134-2/B3	3	CS	0.375	D-B	D2.10	NA				X		
2RH83AB	20	134-1/F2	3	CS	0.375	D-B	D2.10	NA				X		
2RH83BA	24	134-2/B2	3	CS	0.375	D-B	D2.10	NA				X		
2RH83BB	24	134-1/F2	3	CS	0.375	D-B	D2.10	NA				X		
2RH83C	36	134-1/C1	3	CS	0.375	D-B	D2.10	NA				X		
2RH83D	24	134-2	3	CS	0.375	D-B	D2.10	NA				X		
2RH84A	2	134-1/E4	3	CS	0.218	D-B	D2.10	NA				X		
2RH84BA	1.5	134-2/C4	3	CS	0.200	D-B	D2.10	NA				X		
2RH84BB	1.5	134-1/E4	3	CS	0.200	D-B	D2.10	NA				X		
2RH84BC	1.5	134-1/E4	3	CS	0.200	D-B	D2.10	NA				X		
2RH85A	2	134-1/E2	3	CS	0.375	D-B	D2.10	NA				X		
2RH85BA	1.5	134-2/C3	3	CS	0.200	D-B	D2.10	NA				X		
2RH85BB	1.5	134-1/E2	3	CS	0.200	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RH85BC	1.5	134-1/E2	3	CS	0.200	D-B	D2.10	NA				X		
2RH86AA	.75	134-2/B7	3	CS	0.154	D-B	D2.10	NA				X		
2RH86AC	.75	134-1/E7	3	CS	0.154	D-B	D2.10	NA				X		
2RH87AA	.75	134-2/C4	3	CS	0.219	D-B	D2.10	NA				X		
2RH87AB	.75	134-1/E4	3	CS	0.219	D-B	D2.10	NA				X		
2RH87AC	.75	134-1/D4	3	CS	0.219	D-B	D2.10	NA				X		
2RH88AA	.75	134-2/C3	3	CS	0.219	D-B	D2.10	NA				X		
2RH88AB	.75	134-1/E2	3	CS	0.219	D-B	D2.10	NA				X		
2RH88AC	.75	134-1/D2	3	CS	0.219	D-B	D2.10	NA				X		
2RH89A	1.5	142-4/D6	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2RH90AA	4	134-2/A5	3	CS	0.237	D-B	D2.10	NA				X		
2RH90AB	4	134-1/E5	3	CS	0.237	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION				RELIEF REQUEST 13	REMARKS 14
									VIS. 09	SUR. 10	VOL. 11	HYD. 12		
2RH90B	6	134-2/A5	3	CS	0.280	D-B	D2.10	NA				X		
2RH91AA	12	134-2/B3	3	CS	0.375	D-B	D2.10	NA				X		
2RH91AB	12	134-1/F3	3	CS	0.375	D-B	D2.10	NA				X		
2RH92AA	12	134-2/B3	3	CS	0.375	D-B	D2.10	NA				X		
2RH92AB	12	134-1/F3	3	CS	0.375	D-B	D2.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI01A	10	147-1/E7	1	CS	0.719	B-P	B15.50	NA				X		
1A						B-P	B15.51	NA				X		
						B-J	B9.11	14		X	X			IRI-2001
						B-G-2	B7.70	1	X					IRI-2001B
						B-K-1	B10.10	1	X					IRI-2001
						B-M-2	B12.40	1	X				RI-14	IRI-2001I
2RI01B	4	147-1/E7	1	CS	0.438	B-P	B15.50	NA				X		
1A						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IRI-2001
						B-J	B9.31	1		X	X			IRI-2001
						B-G-2	B7.70	1	X					IRI-2001B
2RI01C	4	147-1/E6	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI01D	4	147-1/D4	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI01E	1	147-1/E8	1	CS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RI01F	10	147-1/D5	2	CS	0.719	C-H	C72.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	2		X	X			IRI-2029
2RI02A	10	147-1/D1	2	CS	0.365	C-H	C7.20	NA				X		
2A						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2020
						C-F	C5.11	16		X				IRI-2019, IRI-2020
						C-F	C5.31	1		X				IRI-2019

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM RI-REACTOR CORE ISOLATION COOLANT

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI02B	18	147-1/C2	2	CS	0.375	C-H	C7.20	NA			X			
2A						C-H	C7.21	NA			X			
						C-F	C5.11	2		X				IRI-2019
2RI02C	10	147-1/ C2	2	CS	0.365	C-H	C7.20	NA				X		
2A						C-H	C7.21	NA				X		
						C-F	C5.11	6		X				IRI-2019
2RI07A	2	147-1/D6	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI09A	2	147-1/E8	1	CS	0.344	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RI09B	2	116-7/C8	1	CS	0.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RI10AA	.75	147-1/D4	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI10AB	.75	147-1/D4	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI10B	.75	147-1/C3	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI10BA	.75	147-1/C4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI10BB	.75	147-1/C4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI11A	.75	147-1/C2	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI12A *2A*	6	147-1/E2	2	CS	0.280	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	2		X				IRI-2019
2RI13A	1	147-1/E2	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI14A	.75	147-1/C1	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI16A *2A*	8	147-2/A5	2	SS	0.165	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	Unknown					RI-08	IRI-2023, IRI-2024, IRI-2025, IRI-2026, IRI-2027, IRI-2028
2RI16B *2A*	8	147-2/A3	2	CS	0.322	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.11	21		X				IRI-2030

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI17A	8	147-2/B6	2	CS	0.322	C-H	C7.20	NA				X		
2A						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2004
						C-F	C5.11	16		X				IRI-2004, IRI-2030
2RI19A	1	147-2/B2	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI19C	.75	147-2/C1	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI20A	2	147-1/B6	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI22A	2	147-1/A6	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI23A	.75	147-1/A5	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI24A	6	147-2/C3	2	CS	0.562	C-H	C7.20	NA				X		
2A						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2005
						C-F	C5.11	2		X				IRI-2030
						C-F	C5.21	32		X	X			IRI-2003, IRI-2005, IRI-2006

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI24B *1A*	6	147-2/C7	1	CS	0.562	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	6		X	X			IRI-2003
						B-G-2	B7.50	2	X					IRI-2002B
						B-G-2	B7.70	5	X					IRI-2002B,IRI-2003B
						B-K-1	B10.10	2		X				IRI-2002
						B-M-2	B12.40	3	X				RI-14	IRI-2002I,IRI-2003I
						F-C	NA	19	X				RI-14	
2RI25A	2	147-2/D3	2	CS	0.344	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI25B	2	147-2/E3	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI25BA	1	147-1/C4	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI25BB	1	147-1/C4	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI25BC	1	147-1/C3	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI25BD	1	147-1/E3	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI25C	1	147-2/E2	2	CS	0.179	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI25DA	.5	147-1/C4	2	CS	0.147	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI25DB	.5	147-1/C3	2	CS	0.147	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI25DC	.5	147-1/C3	2	CS	0.147	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI25DD	.5	147-1/C3	2	CS	0.147	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI26A	1.5	147-2/E3	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI28A	2	147-2/B4	2	CS	0.344	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI28B	2	147-2/B7	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI30A	4	147-2/E6	2	CS	0.438	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI30AA	4	147-2/D6	2	CS	0.438	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI32B	1.25	147-1/B7	2	CS	0.191	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI32C	2	147-1	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI39A	4	142-4/A5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI39AA	4	142-4/B4	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI39AB	4	142-4/B5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI40A	4	147-2/B4	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI40B	6	147-2/B4	2	CS	0.280	C-H	C7.20	NA				X		
2A						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2013
						C-F	C5.11	3		X				IRI-2013
2RI41A	10	147-1/E6	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-F	C5.21	7		X	X			IRI-2014
2RI41BA	10	142-4/C4	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2018
						C-F	C5.21	14		X	X			IRI-2017, IRI-2018
2RI41BB	10	142-4/C5	2	CS	0.719	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2016
						C-F	C5.21	16		X	X			IRI-2014, IRI-2015, IRI-2016
2RI42A	6	142-1/F7	1	CS	0.450	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9..11	2		X	X			IRI-2003
2RI43A	4	142-4/A5	2	CS	0.237	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

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LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI43B *2A*	6	147-2/C7	2	CS	0.280	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
						C-C	C3.40	1		X				IRI-2022
						C-F	C5.11	7		X				IRI-2022
2RI44A	2	147-2/A4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI44B	1.5	147-2/A4	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI45A	.75	147-2/A3	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI45B	1	147-2/A4	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI46A	1.5	147-2/A3	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI50A	.75	147-2/D8	3	CS	0.219	D-A	D1.10	NA				X		
2RI50C	.5	147-2/D8	3	CS	0.188	D-A	D1.10	NA				X		
2RI51A	.75	147-1/D8	3	CS	0.219	D-A	D1.10	NA				X		
2RI51C	.5	147-1/D8	3	CS	0.188	D-A	D1.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI65A	2	147-1/C7	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI65B	.75	147-1/C7	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI65C	.75	147-1/C7	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI65D	.75	147-1/C7	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI68A	4	147-1/E6	2	CS	0.438	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI69A	.75	137-5/F5	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI70A	.75	137-5/F5	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI71A	.75	137-5/F5	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI75A	.75	147-2/C8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RI76A	.75	147-2/C8	2	CS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

SYSTEM RI-REACTOR CORE ISOLATION COOLANT

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RI78AA	1.5	142-4/B4	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI78BA	1.5	142-4/B5	2	CS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI79A	1.5	147-2/E6	2	CS	0.281	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI80AA	2.0	142-4/A4	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI81A	1.5	147-1/E7	1	CS	0.281	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RI82A	.75	147-2/A4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RI84A	1	147-1/	1	CS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RI84B	1	147-1/	2	CS	0.250	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR01AA	24	139-1/F3	1	SS	1.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	12		X	X			IRR-2001, IRR-2002
						B-J	B9.12	24		X	X			IRR-2001, IRR-2002
						B-G-1	B6.210	2			X			IRR-2002B
						B-G-1	B6.220	2	X					IRR-2002B
						B-G-1	B6.230	2	X					IRR-2002B
						B-G-2	B7.70	3	X					IRR-2002B
						B-M-2	B12.40	2	X				RI-14	IRR-2002I
						F-C	NA	3	X					
2RR01AB	24	139-2/F3	1	SS	1.218	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	12		X	X			IRR-2005, IRR-2006
						B-J	B9.12	22		X	X			IRR-2005, IRR-2006
						B-G-1	B6.210	2			X			IRR-2006B
						B-G-1	B6.220	2	X					IRR-2006B
						B-G-1	B6.230	2	X					IRR-2006B
						B-G-2	B7.70	3	X					IRR-2006B
						B-M-2	B12.40	2	X				RI-14	IRR-2006I
						F-C	NA	3	X					
2RR01BA	16	139-1/F4	1	SS	0.760	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2001
						B-J	B9.12	2		X	X			IRR-2001
						F-C	NA	3	X					
2RR01BB	16	139-1/F4	1	SS	0.760	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2001
						B-J	B9.12	2		X	X			IRR-2001
						F-C	NA	3	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RR01BC	16	139-2/F4	1	SS	0.760	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2005
						B-J	B9.12	2		X	X			IRR-2005
						F-C	NA	3	X					
2RR01BD	16	139-2/F4	1	SS	0.760	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2005
						B-J	B9.12	2		X	X			IRR-2005
						F-C	NA	3		X				
2RR01CA	12	139-1/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2001
						B-J	B9.12	10		X	X			IRR-2001
						B-J	B9.31	1		X	X			IRR-2001
2RR01CB	12	139-1/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2001
						B-J	B9.12	10		X	X			IRR-2001
						B-J	B9.31	1		X	X			IRR-2001
2RR01CC	12	139-1/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2001
						B-J	B9.12	10		X	X			IRR-2001

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR01CD	12	139-1/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2001
						B-J	B9.12	10		X	X			IRR-2001
						B-J	B9.31	1		X	X			IRR-2001
2RR01CE	12	139-1/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2001
						B-J	B9.12	10		X	X			IRR-2001
						B-J	B9.31	1		X	X			IRR-2001
2RR01CF	12	139-2/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2005
						B-J	B9.12	10		X	X			IRR-2005
						B-J	B9.31	1		X	X			
2RR01CG	12	139-2/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2005
						B-J	B9.12	10		X	X			IRR-2005
						B-J	B9.31	1		X	X			IRR-2005
2RR01CH	12	139-2/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2005
						B-J	B9.12	10		X	X			IRR-2005

Inservice Inspection Program
Component and Piping Line Number
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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR01CI	12	139-2/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2005
						B-J	B9.12	10		X	X			IRR-2005
						B-J	B9.31	1		X	X			IRR-2005
2RR01CJ	12	139-?/F4	1	SS	0.600	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	5		X	X			IRR-2005
						B-J	B9.12	10		X	X			IRR-2005
						B-J	B9.31	1		X	X			IRR-2005
2RR02AA	24	139-1/F6	1	SS	0.910	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	11		X	X			IRR-2003
						B-J	B9.12	26		X	X			IRR-2003
						B-G-2	B7.70	2	X					IRR-2003B
						B-M-2	B12.40	1	X				RI-14	IRR-2003I
						F-C	NA	3	X					

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR02AB	24	139-2/F6	1	SS	0.910	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	10		X	X			IRR-2007
						B-J	B9.12	20		X	X			IRR-2007
						B-G-2	B7.70	2	X					IRR-2007B
						B-M-2	B12.40	1	X				RI-14	IRR-2007I
						F-C-1	NA	3	X					
2RR04AA	4	139-1/B4	1	SS	0.340	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2002
						B-J	B9.31	1		X	X			IRR-2002
						B-G-2	B7.50	1	X					IRR-2002B
2RR04AB	4	139-1/B6	1	SS	0.340	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2003
						B-J	B9.31	1		X	X			IRR-2003
						B-G-2	B7.50	1	X					IRR-2003B
2RR04AC	4	139-2/B4	1	SS	0.340	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2006
						B-J	B9.31	1		X	X			IRR-2006
						B-G-2	B7.50	1	X					IRR-2006B
2RR04AD	4	139-2/B6	1	SS	0.340	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	2		X	X			IRR-2007
						B-J	B9.31	1		X	X			IRR-2007
						B-G-2	B7.50	1	X					IRR-2007B

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

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									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR07AA	12	139-1/E3	1	SS	0.844	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	3		X	X			IRR-2005
						B-J	B9.31	1		X	X			IRR-2005
						B-G-2	B7.70	1	X					IRR-2005B
						B-M-2	B12.40	1	X				RI-14	IRR-2005I
						F-C-1	NA	3	X					
2RR07AB	12	139-2/D4	1	SS	0.844	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	3		X	X			IRR-2001
						B-J	B9.31	1		X	X			IRR-2001
						B-M-2	B12.40	1	X				RI014	IRH-2001I
						B-G-2	B7.70	1	X					IRR-2002B
2RR13A	.75	139-2/E6	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR16AA	4	139-1/B6	1	SS	0.340	B-P	B15.50	NA	X			X		
						B-P	B15.51	NA	X			X		
						B-F	B5.50	1		X	X			IRR-2010
						B-J	B9.11	3		X	X			IRR-2010
						B-J	B9.31	1		X	X			IRR-2010
2RR16AB	4	139-2/B6	1	SS	0.340	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-F	B5.50	1		X	X			IRR-2009
						B-J	B9.11	5		X	X			IRR-2009
						B-J	B9.31	1		X	X			IRR-2009

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR17AA	1.5	139-1/A5	1	SS	0.200	B-P	B15.50	NA				X		
					0.200	B-P	B15.51	NA				X		
2RR17AB	1.5	139-2/A6	1	SS	0.200	B-P	B15.50	NA				X		
					0.200	B-P	B15.51							
2RR18A	20	139-1/E7	1	SS	0.900	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	1		X	X			IRH-2031
						B-J	B9.12	4		X	X			IRH-2031
2RR24AA	.75	139-1/B5	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR24AB	.75	139-2/B5	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR25AA	.75	139-1/D7	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR25AB	.75	139-2/C7	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line [illegible]
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2RR28A	2.0	139-1/E5	1	CS	0.344	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RR28B	4.0	143-1/D7	1	CS	0.438	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	10		X	X			IRT-2001A
2RR28C	1.0	139-1/E8	1	CS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2RR30AA	.75	139-1/B4	3	SS	0.219	D-A	D1.10	NA				X		
2RR30AB	.75	139-2/B4	3	SS	0.219	D-A	D1.10	NA				X		
2RR32AA	.75	139-1/D3	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR32AB	.75	139-2/D3	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR33AA	.75	139-1/D3	3	SS	0.219	D-A	D1.10	NA				X		
2RR33AB	.75	139-2/D3	3	SS	0.219	D-A	D1.10	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR36AA	.75	139-1/A6	3	SS	0.154	D-A	D1.10	NA				X		
2RR36AB	.75	139-2/A6	3	SS	0.154	D-A	D1.10	NA				X		
2RR43AB	.75	139-1/E2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR43BB	.75	139-2/E2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR44AB	.5	139-1/D2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR44BB	.5	139-2/D2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR45AB	.5	139-1/D2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR45BB	.5	139-2/C2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR46AB	.75	139-1/C2	2	--	--	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR46BB	.75	139-2/C2	2	--	--	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR48AA	.75	139-1/B4	2	SS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR48AB	.75	139-2/B4	2	SS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR49AA	.75	139-1/A7	2	SS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR49AB	.75	139-2/A7	2	SS	0.154	C-H C-H	C7.20 C7.21	NA MA				X X		
2RR50AA	.75	139-1/A7	2	SS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR50AB	.75	139-2/A7	2	SS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR51A	.75	139-2/	2	SS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR56A	.75	139-2/	2	SS	0.217	C-H C-H	C7.20 C7.21	NA NA				X X		
2RR63AA	.75	139-1/	2	SS	0.219	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RR63BA	.75	139-2/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR65AA	.75	139-1/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR65AB	.75	139-2/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR66AA	.75	139-1/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR66AB	.75	139-2/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR68AA	.75	139-1/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RR68AB	.75	139-2/	2	SS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2RTA6A	.75	143-1/D8	2	CS	0.219	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2RT01AA	4	143-1/B8	1	CS	.44	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	19		X	X			IRR-2010
						B-G-2	B7.70	1	X					IRR-2010B
2RT01AB	4	143-1/C8	1	CS	.44	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	3		X	X			IRR-2009
						B-G-2	B7.70	1	X					IRR-2009B
2RT01B *1A*	6	143-1/D8	1	CS	.562	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	31		X	X			IRT2001
						B-G-2	B7.50	2	X					IRT-2001B
						B-G-2	B7.70	3	X					IRT-2001B
						B-M-2	B12.40	3	X				RI-14	IRT-2001I
2RT17A	4	143-1/D8	1	CS	.45	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
						B-J	B9.11	14		X	X			IRT-2001, IRT-2001A
						B-G-2	B7.70	1	X					IRT-2001B
2RT17B	1	143-1/D8	1	CS	0.250	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2SC01A	3	145/E2	2	SS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC01AA	3	145/C3	2	SS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC01AB	3	145/C3	2	SS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC01C	3	145/C3	2	SS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC02AA	1.5	145/C4	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC02AB	1.5	145/B5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC02B	1.5	145/C6	1	SS	0.200	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2SC02BA	1.5	145/C6	1	SS	0.200	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		
2SC02BB	1.5	145/B6	1	SS	0.200	B-P	B15.50	NA				X		
						B-P	B15.51	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2SC02C	1.5	145/C5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC05A	1.5	145/B5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC05AA	1.5	145/C5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC05AB	1.5	145/B5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC06A	1.5	145/D5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC06B	.75	145/E5	2	SS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC07A	1.5	145/E5	2	SS	0.200	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2SC08AA	.75	145/C4	2	SS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC08AB	.75	145/B4	2	SS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC08BA	1	145/C4	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC08BB	1	145/B4	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC10AA	1	145/C3	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC10AB	1	145/B3	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC11A	3	145/D3	2	SS	0.216	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC11C	1	145/D3	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		
2SC12A	1	145/D1	2	SS	0.133	C-H C-H	C7.20 C7.21	NA NA				X X		

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2SC13A	3	145/E3	2	SS	0.216	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC16A	1	145/E1	2	SS	0.133	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2SC23A	.75	145/D1	2	SS	0.113	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

REVISION 0

SYSTEM VP-PRIMARY CONTAINMENT CHILLED WATER COOLERS

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2VPA5A	.75	133/	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2VPA6A	.75	133/	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2VPA7A	.75	133/	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2VPA8A	.75	133/	2	CS	0.154	C-H C-H	C7.20 C7.21	NA NA				X X		
2VP51CA	8	133/E2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		
2VP51CB	8	133/C2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		
2VP53CA	8	133/D2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		
2VP53CB	8	133/B2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		

GE-107

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2VQ01A	26	138-1/C3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ02AB	6	138-1/E5	2	CS	0.280	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ02B	26	138-1/E6	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ02D	2	138-1/E6	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ03A	26	138-1/D3	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ05A	26	138-1/C7	2	CS	0.375	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ05C	2	138-1/C7	2	CS	0.218	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ10A	8	138-1/C2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ11A	8	138-1/D2	2	CS	0.322	C-H C-H	C7.20 C7.21	NA NA				X X		
2VQ15A	1.5	138-1/D3	2	CS	0.200	C-H C-H	C7.20 C7.21	NA NA				X X		

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2VQ23A	.75	138-1/E4	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ27A	.75	138-1/C3	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ28A	.75	138-1/C2	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ29A	.75	138-1/D3	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ30A	.75	138-1/D2	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ31A	2	138-1/E7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ31B	.75	138-1/E7	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ33A	2	138-1/C7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison

LaSalle County Nuclear Station Unit 2

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO.	SIZE	P&ID NO./ COORD.	ASME CLASS	MAT'L TYPE	TKNS.	ASME SEC.XI CAT.	SEC.XI ITEM NUMBER	NO. of ITEMS	METHOD OF INSPECTION				RELIEF REQUEST	REMARKS
									VIS.	SUR.	VOL.	HYD.		
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
2VQ33B	.75	138-1/C7	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ35A	2	138-1/E7	2	CS	0.218	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2VQ36A	1	138-1/	2	CS	0.179	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

GE-107

Inservice Inspection Program
Component and Piping Line Number
TABLE: CPLN

SYSTEM WR-REACTOR BUILDING CLOSED COOLING WATER

ASME CLASS 1, 2, & 3 COMPONENTS

LINE OR COMPONENT NO. 00	SIZE 01	P&ID NO./ COORD. 02	ASME CLASS 03	MAT'L TYPE 04	TKNS. 05	ASME SEC.XI CAT. 06	SEC.XI ITEM NUMBER 07	NO. of ITEMS 08	METHOD OF INSPECTION VIS. 09	SUR. 10	VOL. 11	HYD. 12	RELIEF REQUEST 13	REMARKS 14
2WRE1A	.75	136-2/B3	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2WRE2A	.75	136-2/B8	2	CS	0.154	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2WR20E	6	136-2/B7	2	CS	0.280	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		
2WR21E	6	136-2/B4	2	CS	0.280	C-H	C7.20	NA				X		
						C-H	C7.21	NA				X		

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-01	Deleted						

GE-I8

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LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-02	Deleted						

GE-I8

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INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-03	Deleted						

GE-I8

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LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-04	Deleted						

GE-I8

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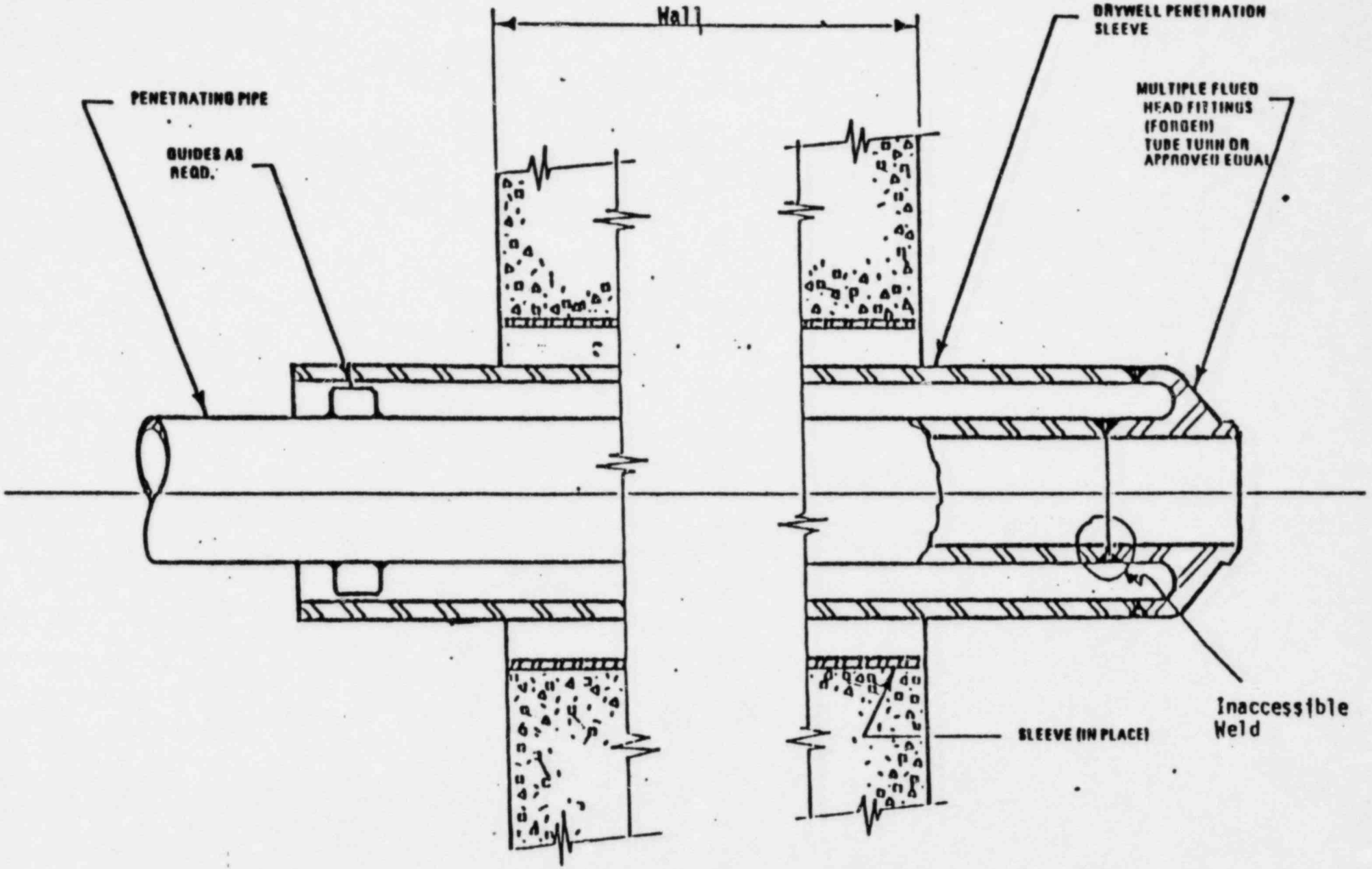
INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-05	FW MS	1	B-J B9.11	Circumferential Butt welds	TABLE IWB-2500-1 Surface and Volumetric	Due to its design, the primary containment penetration assembly leaves one pressure retaining piping weld inaccessible for examination by either surface or volumetric methods. (See Sketch attached). A volumetric examination consisting of a radiographic examination was performed during fabrication to meet Section III requirements. These fabrication documents are available for audit at LaSalle County Station. The welds can only be examined by inspection for evidence of leakage during system hydrotests.	A visual inspection for evidence of leakage will be conducted during the system hydrotest of IWB-5000.
	MS	2	C5.21	Circumferential Butt welds	TABLE IWC-2500-1 Surface and Volumetric	Same as above, except secondary containment or wall penetration assembly.	A visual inspection for evidence of leakage will be conducted during the system hydrotest of IWC-5000.

GE-18


Wall
DRYWELL PENETRATION SLEEVE
MULTIPLE FLUED HEAD FITTINGS (FORGED) TUBE TURN OR APPROVED EQUAL
PENETRATING PIPE
GUIDES AS REQD.
Inaccessible Weld
SLEEVE (IN PLACE)

Sketch RI-05

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

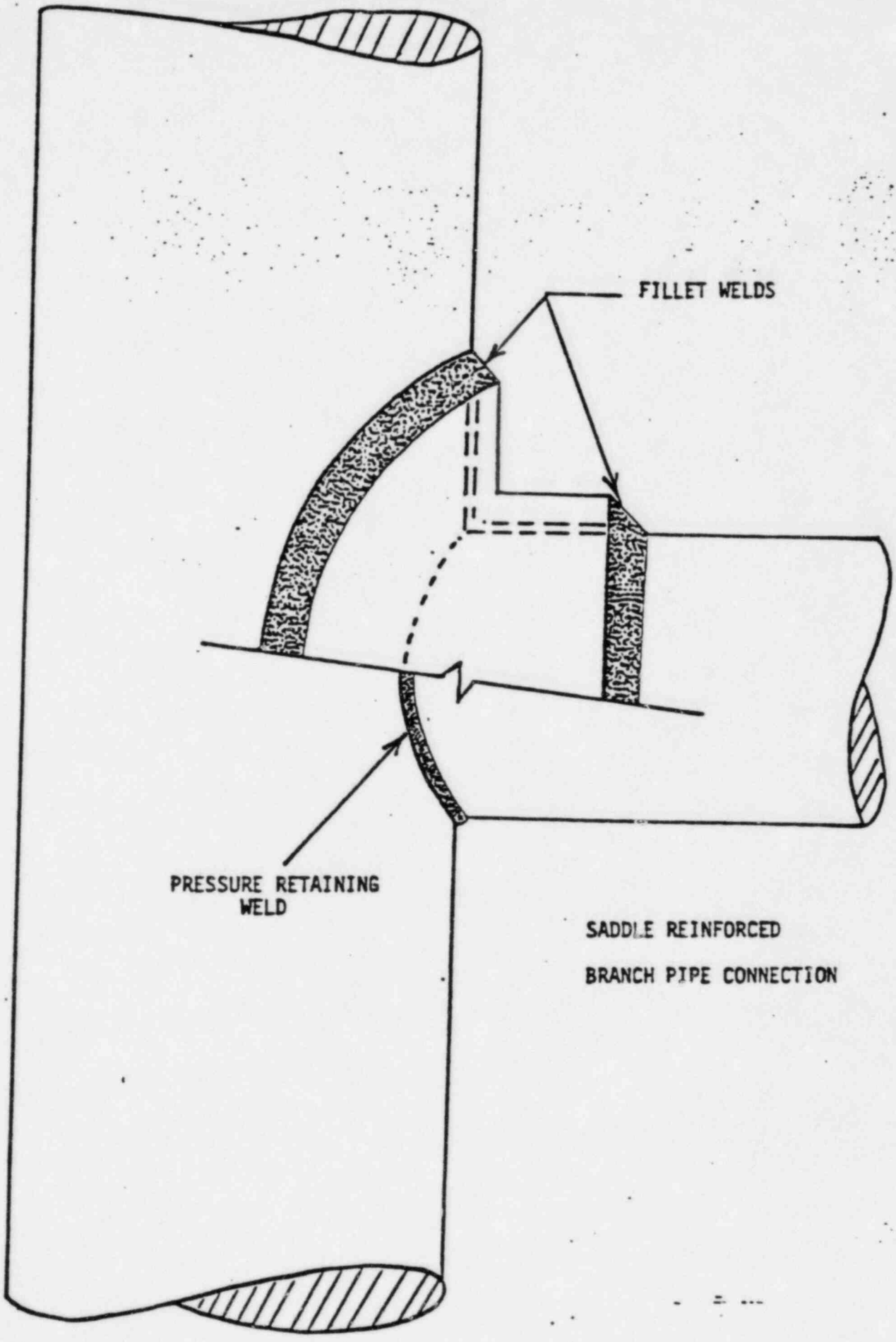
Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-06	Deleted						

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-07	MS	2	C-F C5.31	Branch Pipe Connection Welds	TABLE IWC-2500-1 Surface	10 of the branch pipe connections on carbon steel piping are constructed with reinforcement saddles. These saddles are fillet welded over the actual branch pipe connection weld (See Sketch attached). An examination cannot be done on the branch connection welds.	Surface Examination of the Saddle Welds.

SKETCH RI-07



SADDLE REINFORCED

BRANCH PIPE CONNECTION

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-08	HP LP RI	2	C-F C5.11 C5.12	Pressure Retaining Welds in Piping.	TABLE IWC-2500-1 Surface	The underground location of these welds makes a surface examination impractical. Section IWC 1230 of ASME Section XI recognizes the impracticality of examination of inaccessible components encased in concrete. We believe its' intent may also be applied to inaccessible components that are under ground. The structural integrity of these welds was demonstrated during Section III fabrication by performance of a volumetric examination consisting of radiographic examination. These fabrication examination records are available for audit at LaSalle County Station. (Continued Page 2)	A visual examination consisting of a pressure leakage test that determines the rate of pressure loss will be conducted during the system pressure test requirement of IWC-5000

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-08 Cont'd						Imposing the Code requirements would result in hardships or unusual difficulty without a compensating increase in quality and safety because the structural integrity has been demonstrated by the fabrication examination and by performance of the alternative test.	

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-09	N7-Head Spray Nozzle Inner Radius N8-Vent Nozzle Inner Radius N18-Spare Nozzle Inner Radius	1	B-D B3.100	N7 NIR N8 NIR N18 NIR	TABLE IWB-2500-1 Volumetric examination of the nozzle inner radius is required.	Request surface examination of the nozzle inner radius. The RPV Closure Head is removed during refueling activities allowing access to the RPV Closure Head NIR. A surface examination is more sensitive in detecting surface defects at the NIR.	Surface Examination.

GE-IB

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

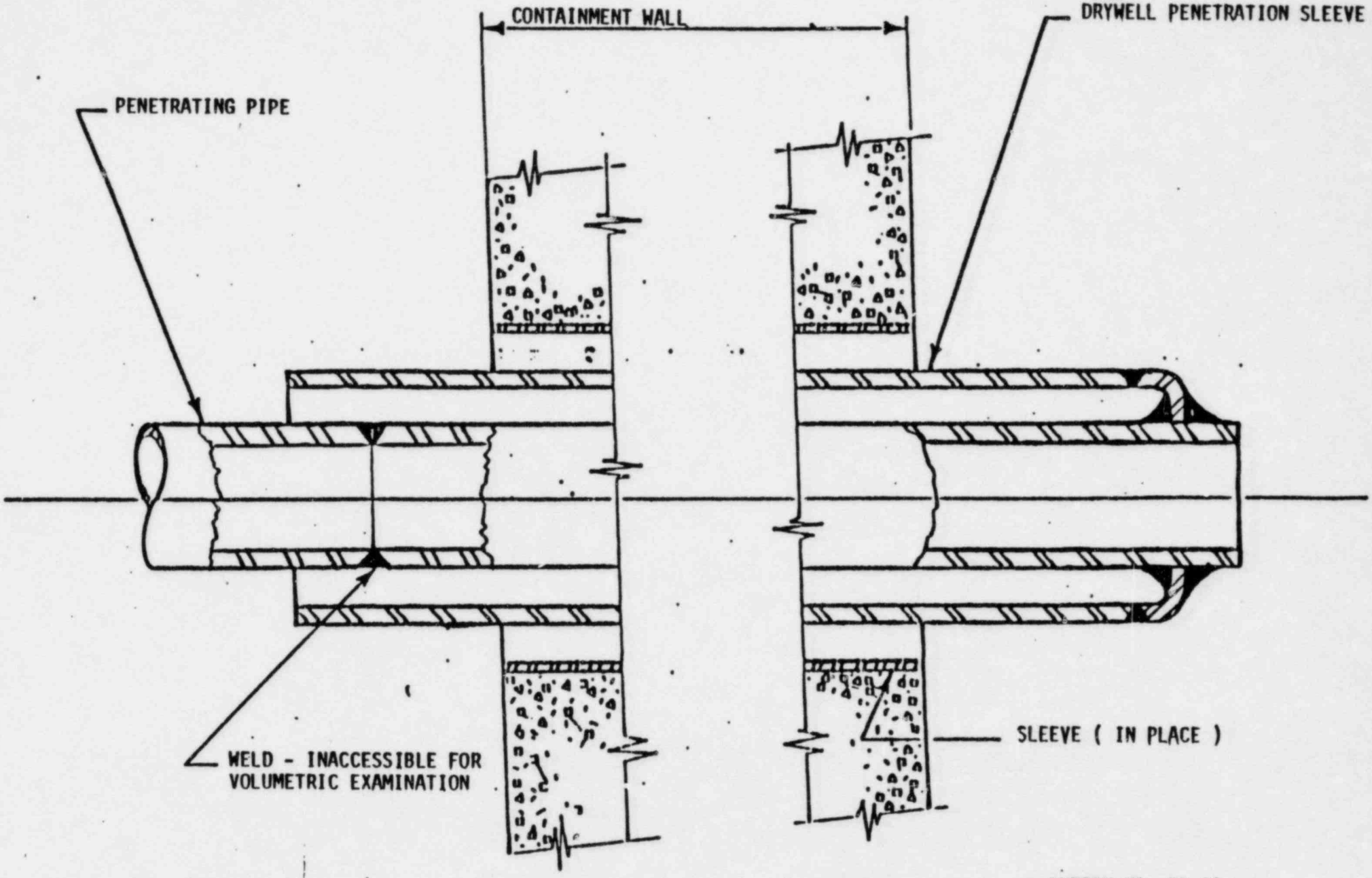
RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-10	Deleted						

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-11	RI	1	B-J B9.11	Circumferential Butt weld	TABLE IWB-2500-1 Volumetric	Due to its design, the primary containment penetration assembly leaves one pressure retaining piping weld inaccessible for examination by volumetric methods. A volumetric examination consisting of a radiographic examination was performed during fabrication to meet Section III requirements. These fabrication documents are available for audit at LaSalle County Station.	Surface Examination.



SKETCH NO. RI-11

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RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-12	Deleted						

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-13	Recirculation Pumps 1B33-C001A 1B33-C001B	 1 1	B-L-2 B12.20	Internal surface of pump casing	TABLE IWB-2500-1 Visual examination of 1 of 2 pumps each 10-year interval.	The recirculation pump casing material is a cast stainless steel. This material type has performed very well in nuclear service and has demonstrated substantial resistance to such chemical processes as pitting corrosion and stress corrosion cracking which would decrease the structural integrity of the pump. To do the required visual inspection of this pump's internal surfaces, large amounts of radiation exposure and time would be required. This was demonstrated at a similar nuclear station, where an expenditure of approximately 1000 man-hours and 50 man-rem was required to complete the visual inspection of a similar designed pump.	A visual inspection, to the extent practical, will be completed only when the pump is disassembled for maintenance.

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-13 (Cont'd)						The large expenditure of man-rem and man-hours to complete the visual inspection of a perfectly good pump solely for the purpose of inspection is impractical and not commensurate to the increased safety achieved by the inspection. LaSalle Station believes that adequate safety margins are inherent in the basic pump design and that the health and safety of the public will not be adversely affected by not performing the visual examination of the pump casing internal surfaces solely for the purpose of inspection. If, however, a pump requires disassembly for maintenance, then a visual inspection, to the extent practical, will be performed.	

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-14	All Class 1 valves exceeding 4 inches nominal pipe size	1	B-M-2 B12.40	Internal surfaces of valve bodies.	TABLE IWB-2500-1 Visual examination of 1 valve in each group of valves (as specified in category B-M-2) each 10-year interval.	In the Class 1 system, there are 69 valves in 18 groups which are greater than four inches nominal pipe size. The requirement to disassemble an operable valve for the sole purpose of performing a visual examination of the internal pressure boundary is impractical and not commensurate to the increased safety achieved by the inspection and has only a very small potential of increasing plant safety margins with a very disproportionate impact on expenditures of plant manpower and radiation exposure. Performing these visual examinations under such adverse conditions as high dose rate (10R/Hr) and poor as-cast surface condition, provides little additional	A visual inspection of a valve (1 per group per interval) internal surface will be performed when the valve is disassmebled for maintenance. (Continued Pg. 2)

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-14	(Continued)					(Continued) information as to the valve casing integrity. The performance of both carbon and stainless cast valve bodies has been excellent in all BWR applications. LaSalle Station believes that adequate safety margins are inherent in the basic valve design and that the health and safety of the public will not be adversely affected by not performing the visual inspections of the valve body internal surfaces solely for the purpose of inspection. If, however, a valve requires disassembly for maintenance, then a visual inspection, to the extent practical, will be performed.	

GE-I8

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-15	Reactor Pressure Vessel Welds	1	B-B B1.21 B1.22	Meridional and circumferential seam welds.	TABLE IWB-2500-1 Volumetric	These welds are partially or completely inaccessible due to the control rod drive housings. A volumetric examination consisting of a radiographic examination was performed during fabrication to meet Section III requirements. These fabrication documents are available at the vessel manufacturer for audit. Unit 1 Vessel Manufacturer - Unit 2 Vessel Manufacturer -	A visual examination for evidence of leakage is conducted during the hydrostatic pressure test of IWB-5000 for ASME Category B-P components. Combustion Engineering CBI Nuclear

GE-I8

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-16	ALL	1	B-J B9.11 B9.12 B9.21 B9.22	Circumferential and longitudinal pipe welds.	TABLE IWB-2500-1 Surface and/or Volumetric	These welds are inaccessible due to immovable supports, braces, hangers or whip restraints covering the inspection area to such an extent that the minimum requirement of the Code (i.e., the weld and one base metal side) cannot be met. A volumetric examination was performed during fabrication to meet Section III requirements. These fabrication documents are available for audit LaSalle County Station.	A visual inspection for evidence of leakage is conducted during the system hydrotest of IWB-5000.
	ALL	2	C-F C5.11 C5.21	Circumferential butt welds.	TABLE IWC-2500-1 Surface and/or Volumetric	Same as above	A visual inspection for evidence of leakage is conducted during the system hydrotest of IWC-5000.

GE-I8

Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

Rev. 0

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-17	Deleted						

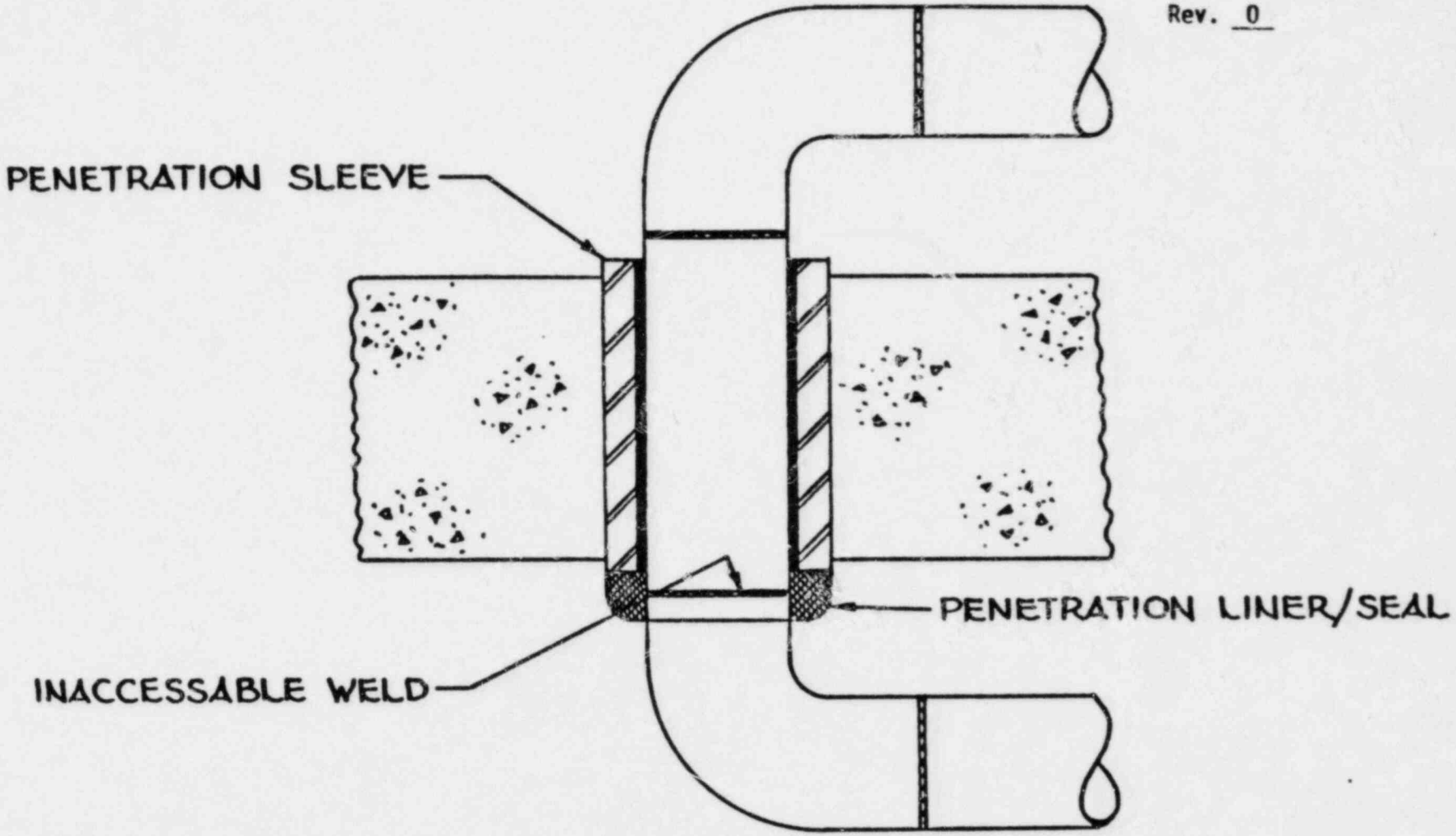
Commonwealth Edison
LaSalle County Nuclear Station

INSERVICE INSPECTION

RELIEF REQUESTS FOR COMPONENTS AND PIPING

RELIEF REQUEST 00	SYSTEM OR COMPONENT 01	CLASS 02	CATEGORY AND ITEM NUMBER 03	EXEMPTED COMPONENT 04	SECTION XI TEST REQUIREMENT 05	BASIS FOR RELIEF 06	ALTERNATIVE TEST 07
RI-18	IRI-1004-13	2	C-F C5.11	Pressure Retaining Welds in Piping	TABLE IWC-2500-1 Surface	The floor penetration seal makes this weld inaccessible to surface examination. See sketch attached. A volumetric examination consisting of a radiographic examination was performed during fabrication to meet Section III requirements. These fabrication documents are available for audit at LaSalle County Station.	A visual inspection for evidence of leakage will be conducted during the system hydrotest of IWC-5000.

GE-I8


PENETRATION SLEEVE
PENETRATION LINER/SEAL
INACCESSABLE WELD

Sketch RI-18

ASME SECTION XI CATEGORY B-A

COMPONENT TO BE INSPECTED:

Pressure retaining welds in reactor vessel

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the circumferential and longitudinal shell welds, the circumferential and meridional head welds, the shell-to-flange weld, the head-to-flange weld, and the beltline region repair welds (if any).

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds are examined per ASME Section XI, Table IWB-2412-1 or defer the examinations as follows:

Deferral to End of Interval

The inspection of the shell welds, head welds, and beltline region repair welds may be deferred until the end of the interval.

Partial Deferral to End of Interval

The inspection of the shell-to-flange weld may be performed during the first and third inspection periods with at least 50% of the weld being examined by the end of the first inspection period and the remainder by the end of the first interval.

METHOD OF EXAMINATION(S):

Ultrasonic (All Welds)

Ultrasonic and Liquid Penetrant (Head-to-Flange Weld per ASME Section XI, Figure No. IWB-2500-5)

REMARKS:

Automatic equipment is used except where welds are inaccessible due to nozzles or component configuration; i.e. Nozzels N12A,B,C,D, and N6A,B,C, etc. Manual techniques are used to inspect those inaccessible areas, thus providing 100% coverage.

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-AA	B1.11	2V1	SA-533	6.5	01-92-01	0°-360° 126"	837.2	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-AB	B1.11	2V6	SA-533	6.44	01-92-01	0°-360° 277"	837.2	GEL-1119	UT-0° UT-45° UT-60°	9 9 9	
LCS-2-AC	B1.11	2V6	SA-533	6.44	01-92-01	0°-360° 428"	837.2	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-AD	B1.11	2V8	SA-533	6.44 7.25	01-92-01 01-92-03	0°-360° 585"	842.3	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9 9 9 9	
LCS-2-AE	B1.30	2V10	SA-533	7.25	01-92-03	0°-360° 719"	842.3	GEL-1119	UT-0° UT-45° UT-60°	7 7 7	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-A

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-BA	B1.12	2V7	SA-533	6.44	01-92-01	317° 126"- 277"	150"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BB	B1.12	2V7	SA-533	6.44	01-92-01	77° 126"- 277"	150"	GEL-1119	UT-0° UT-45° UT-60°	7 7 7	
LCS-2-BC	B1.12	2V7	SA-533	6.44	01-92-01	197° 126"- 277"	150"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BD	B1.12	2V7	SA-533	6.44	01-92-01	350° 277"- 428"	150"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BE	B1.12	2V7	SA-533	6.44	01-92-01	110° 277"- 428"	150"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BF	B1.12	2V7	SA-533	6.44	01-92-01	230° 277"- 428"	150"	GEL-1119	UT-0° UT-45° UT-60°	9 9 9	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-BG	B1.12	2V7	SA-533	6.44	01-92-01	50° 428"- 585"	151"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BH	B1.12	2V7	SA-533	6.44	01-92-01	170° 428"- 585"	151"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BJ	B1.12	2V7	SA-533	6.44	01-92-01	290° 428"- 585"	151"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-BK	B1.12	2V9	SA-533	7.25	01-92-03	330° 585"- 719"	130"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
LCS-2-P1	B1.12	2V9	SA-533	7.25	01-92-03	90° 585"- 719"	130"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-BN	B1.12	2V9	SA-533	7.25	01-92-03	210° 585"- 719"	130"	GEL-1119	UT-0° UT-45° UT-60° UT-0° UT-45° UT-60°	7 7 7 9 9 9	
GEL-1060-AG	B1.40	2V11	SA-533	5.12	01-92-04	0°-360° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-AH	B1.21	2V12	SA-533	5.12	01-92-04	0°-360° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
				3.62	01-92-05	0°-360° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-DH	B1.22	2V13	SA-533	5.12	01-92-04	15° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-DJ	B1.22	2V13	SA-533	5.12	01-92-04	75° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-DK	B1.22	2V13	SA-533	5.12	01-92-04	135° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-DM	B1.22	2V13	SA-533	5.12	01-92-04	195° NA	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
GEL-1060-DN	B1.22	2V13	SA-533	5.12	01-92-04	255°	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1060-DP	B1.22	2V13	SA-533	5.12	01-92-04	315°	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-AA	B1.11	2V1	SA-533	6.5	01-92-06	0°-360° 126"	845.2	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	See LCS-2-AA
GEL-1061-AJ	B1.21	2V2	SA-533	6.75	01-92-06	0°-360° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
				7.5	01-92-07	0°-360° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DA	B1.22	2V3	SA-533	6.75	01-92-06	165° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DB	B1.22	2V3	SA-533	6.75	01-92-06	225° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DC	B1.22	2V3	SA-533	6.75	01-92-06	285° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DD	B1.22	2V3	SA-533	6.75	01-92-06	345° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-A

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
GEL-1061-DE	B1.22	2V3	SA-533	6.75	01-92-06	45° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DF	B1.22	2V3	SA-533	6.75	01-92-06	105° NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DG	B1.22	2V4	SA-533	8.25	01-92-07	NA NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	
GEL-1061-DR	B1.22	2V4	SA-533	8.25	01-92-07	NA NA	NA	GEL-1061	UT-0° UT-45° UT-60°	7 7 7	

ASME SECTION XI CATEGORY B-B

COMPONENT TO BE INSPECTED:

Pressure retaining welds in vessels other than reactor vessels

AREAS SUBJECT TO EXAMINATIONS:

EXTENT AND FREQUENCY OF EXAMINATIONS:

METHOD OF EXAMINATION(S):

REMARKS:

There are no Class 1 pressure vessels other than the reactor pressure vessel at LaSalle County Nuclear Station.

ASME SECTION XI CATEGORY B-D

COMPONENT TO BE INSPECTED:

Full penetration welds of nozzles in vessels

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the nozzle-to-vessel welds and adjacent areas of nozzles and vessel as shown by ASME Section XI, Figure IWB-2500-7.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that at least 25% of the nozzles shall be examined by the end of the first inspection period with credit for no more than 50% of the nozzles if additional nozzles are examined. The remainder of the nozzles shall be examined by the end of the inspection interval.

METHOD OF EXAMINATION(S):

Ultrasonic

REMARKS:

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-D

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-N1A	B3.90	2V14	SA-533	8.45"	01-92-01	0° 172"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2"From Ctr. Line
2-NIR-1A	B3.100	NIR	SA-508	NA	MP-1	0° 172"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N1B	B3.90	2V14	SA-533	8.45"	01-92-01	180° 172"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2"From Ctr. Line
2-NIR-1B	B3.100	NIR	SA-508	NA	MP-1	180° 172"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2A	B3.90	2V15	SA-533	8.45"	01-92-01	30° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2"From Ctr. Line
2-NIR-2A	B3.100	NIR	SA-508	NA	MP-1	30° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2B	B3.90	2V15	SA-533	8.45"	01-92-01	60° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
2-NIR-2B	B3.100	NIR	SA-508	NA	MP-1	60° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2C	B3.90	2V15	SA-533	8.45"	01-92-01	90° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2C	B3.100	NIR	SA-508	NA	MP-1	90° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2D	B3.90	2V15	SA-533	8.45"	01-92-01	120° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2D	B3.100	NIR	SA-508	NA	MP-1	120" 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2E	B3.90	2V15	SA-533	8.45"	01-92-01	150° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2E	B3.100	NIR	SA-508	NA	MP-1	150° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-D

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-N2F	B3.90	2V15	SA-533	8.45"	01-92-01	210° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2F	B3.100	NIR	SA-508	NA	MP-1	210° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2G	B3.90	2V15	SA-533	8.45"	01-92-01	240° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2G	B3.100	NIR	SA-508	NA	MP-1	240° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2H	B3.90	2V15	SA-533	8.45"	01-92-01	270° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2H	B3.100	NIR	SA-508	NA	MP-1	270° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2J	B3.90	2V15	SA-533	8.45"	01-92-01	300° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
2-NIR-2J	B3.100	NIR	SA-508	NA	MP-1	300° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N2K	B3.90	2V15	SA-533	8.45"	01-92-01	330° 180"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-2K	B3.100	NIR	SA-508	NA	MP-1	330° 180"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N3A	B3.90	2V16	SA-533	7"nm	01-92-03	72° 648"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-3A	B3.100	NIR	SA-508	NA	MP-1	72° 648"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N3B	B3.90	2V16	SA-533	7"nm	01-92-03	108° 648"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-3B	B3.100	NIR	SA-508	NA	MP-1	108° 648"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-N3C	B3.90	2V16	SA-533	7"nm	01-92-03	252° 648"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2"From Ctr. Line
2-NIR-3C	B3.100	NIR	SA-508	NA	MP-1	252° 648"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N3D	B3.90	2V16	SA-533	7"nm	01-92-03	288° 648"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2"From Ctr. Line
2-NIR-3D	B3.100	NIR	SA-508	NA	MP-1	288° 648"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N4A	B3.90	2V17	SA-533	7"nm	01-92-01	30° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-4A	B3.100	NIR	SA-508	NA	MP-1	30° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N4B	B3.90	2V17	SA-533	7"nm	01-92-01	90° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
2-NIR-4B	B3.100	NIR	SA-508	NA	MP-1	90° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N4C	B3.90	2V17	SA-533	7"nm	01-92-01	150° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-4C	B3.100	NIR	SA-508	NA	MP-1	150° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N4D	B3.90	2V17	SA-533	7"nm	01-92-01	210° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-4D	B3.100	NIR	SA-508	NA	MP-1	210° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N4E	B3.90	2V17	SA-533	7"nm	01-92-01	270° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-4E	B3.100	NIR	SA-508	NA	MP-1	270° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-N4F	B3.90	2V17	SA-533	7"nm	01-92-01	330° 488"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-4F	B3.100	NIR	SA-508	NA	MP-1	330° 488"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N5A	B3.90	2V18	SA-533	7"nm	01-92-01	120° 474"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-5A	B3.100	NIR	SA-508	NA	MP-1	120° 474"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N6A	B3.90	2V19	SA-533	7"nm	01-92-01	45° 373"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line
2-NIR-6A	B3.100	NIR	SA-508	NA	MP-1	45° 373"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N6B	B3.90	2V19	SA-533	7"nm	01-92-01	135° 373"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	 2" From Ctr. Line

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
2-NIR-6B	B3.100	NIR	SA-508	NA	MP-1	135° 373"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N6C	B3.90	2V19	SA-533	7"nm	01-92-01	315° 373"	NA	GEL-1119	UT-0° UT-45° UT-60 UT-60°	8 8 8 7	2" From Ctr. Line
2-NIR-6C	B3.100	NIR	SA-508	NA	MP-1	315° 373"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N7	B3.90	2V20	SA-533	4.75"	01-92-05	Top Head	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-7	B3.100	NIR	SA-508	NA	NA	Top Head	NA	GEL-1060	PT	2	See RI-09
LCS-2-N8	B3.90	2V21	SA-533	4.75"	01-92-05	Top Head	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-8	B3.100	NIR	SA-508	NA	NA	Top Head	NA	GEL-1060	PT	2	See RI-09
LCS-2-N9A	B3.90	2V22	SA-533	8.45"	01-92-01	105° 152"	NA	GEL-1119	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-9A	B3.100	NIR	SA-508	NA	MP-1 01-91-04	105° 152"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
LCS-2-N9B	B3.90	2V22	SA-533	8.45"	01-92-01	285° 152"	NA	GEL-1119	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-9B	B3.100	NIR	SA-508	NA	MP-1 01-91-04	285° 152"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N10A	B3.90	2V23	SA-533	7"nm	01-92-01	180° 444"	NA	GEL-1119	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-10A	B3.100	NIR	SA-508	NA	MP-1	180° 444"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N16A	B3.90	2V24	SA-533	7"nm	01-92-01	240° 474"	NA	GEL-1119	UT-0° UT-45° UT-60° UT-60°	8 8 8 7	2" From Ctr. Line
2-NIR-16A	B3.100	NIR	SA-508	NA	MP-1	240° 474"	NA	GEL-1119	Z1CW Z1CCW Z2CW Z2CCW	13 13 16 16	
LCS-2-N18	B3.90	2V25	SA-533	4.75"	01-92-05	Top Head	NA	GEL-1060	UT-0° UT-45° UT-60°	7 7 7	
2-NIR-18	B3.100	NIR	SA-508	NA	NA	Top Head	NA	GEL-1060	PT	2	See RI-09

ASME SECTION XI CATEGORY B-E

COMPONENT TO BE INSPECTED:

Pressure retaining partial penetration welds in vessels

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the accessible external exposed surfaces of the partial penetration nozzles. For nozzles whose external surfaces are inaccessible for direct visual examination, only the examination of the surrounding area, including floor areas, equipment surfaces underneath the nozzles, or joints of the insulation are required.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that at least 25% of each group of penetrations of comparable size and function shall be examined during the inspection interval.

METHOD OF EXAMINATION(S):

Visual Examination, VT-2

REMARKS:

Visual Test is performed during system Hydrostatic per Article IWA-5000.

25% of the 185 CRD Penetrations = 47/Interval

25% of the 55 incore Penetrations = 14/Interval

25% of the 10-2" instrument Penetrations = 3/Interval

ASME SECTION XI CATEGORY B-F

COMPONENT TO BE INSPECTED:

Pressure retaining dissimilar metal welds

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the nozzle-to-safe end welds and dissimilar metal pipe welds as shown by ASME Section XI, Figure IWB-2500-8.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that all dissimilar metal welds are examined per ASME Section XI, Table IWB-2412-1. For the reactor vessel nozzle-to-safe end welds, the examinations may be performed coincident with the vessel nozzle examinations required by Examination Category B-D.

METHOD OF EXAMINATION(S):

Butt Welds $\geq$ 4 in. NPS - Ultrasonic and Liquid Penetrant

Butt Welds < 4 in. NPS and Socket Welds - Liquid Penetrant

REMARKS:

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2-CRD CAP	N-CAP	B5.10	2V23A	6	.75	SA-508/ SB-166	GEL-1119	PT	2 3	01-70-01	

System RPV Loop --

GE-I4 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
GEL-1060-N7	N-F	B5.10	2V20A	9-1/4	1.5	SA-508/ SA-336	GEL-1060	PT UT-45°	2 1	 01-91-08	
GEL-1060-N8	N-F	B5.10	2V21A	6-5/8	1.35	SA-508/ SA-336	GEL-1060	PT UT-45°	2 1	 01-91-08	
GEL-1060-N18	N-F	B5.10	2V25A	9-1/4	1.5	SA-508/ SA-336	GEL-1060	PT UT-45°	2 1	 01-91-08	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2001-20A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2001	PT UT-45°	2 1	 01-16-02	
IFW-2001-26A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2001	PT UT-45°	2 1	 01-16-02	
IFW-2001-29A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2001	PT UT-45°	2 1	 01-16-02	

System FW Loop A

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2002-20A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2002	PT UT-45°	2 1	 01-16-02	
IFW-2002-26A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2002	PT UT-45°	2 1	 01-16-02	
IFW-2002-29A	SE-N	B5.10	2V17A	14	1.12	SA-508	IFW-2002	PT UT-45°	2 1	 01-16-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2001-26A	SE-N	B5.10	2V24A	13	1.3	SB-166/ SA-508	IHP-2001	PT UT-45°	2 3	 01-70-02	
IHP-2001-26B	EX-SE	B5.50	2V24B	10	.75	SA-508/ SB-166	IHP-2001	PT UT-45°	2 3	 01-71-01	

System HP Loop --

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2-JPI-A-1	N-SE	B5.10	2V22A	6	.75	SA-508/ SA-336	GEL-1093	PT UT-45°	2 3	01-70-05	

System JPI Loop A

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2-JPI-B-1	N-SE	B5.10	2V22A	6	.75	SA-508/ SA-336	GEL-1093	PT UT-45°	2 3	01-70-05	

System JPI **Loop** B

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2001-26A	SE-N	B5.10	2V18A	13	1.3	SB-166/ SA-508	ILP-2001	PT UT-45°	2 3	 01-70-02	
ILP-2001-26B	EX-SE	B5.50	2V18B	10	.75	SA-508/ SB-166	ILP-2001	PT UT-45°	2 3	 01-71-01	

System LP Loop --

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2001-1A	N-SE	B5.10	2V16A	26	1.8	SA-508	IMS-2001	PT UT-45°	2 1	01-26-04	

System MS Loop A

GE-I4 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2002-1A	N-SE	B5.10	2V16A	26	1.8	SA-508	IMS-2002	PT UT-45°	2 1	01-26-04	

System MS Loop B

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2003-1A	N-SE	B5.10	2V16A	26	1.8	SA-508	IMS-2003	PT UT-45°	2 1	 01-26-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2004-1A	N-SE	B5.10	2V16A	26	1.8	SA-508	IMS-2004	PT UT-45°	2 1	 01-26-04	

System MS Loop D

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2001-16A	P-P	B5.50	MF-3	12	1.00/ .844	906LS/ 948LS	IRH-2001	PT UT-45° UT-45°	2 1 1	 01-12-03 01-12-06	

System RH Loop B

GE-I4 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2002-40A	EX-SE	B5.50	2V19B	12	.88	SA-508/ SB-166	IRH-2002	PT UT-45°	2 3	 01-71-01	
IRH-2002-40B	SE-N	B5.10	2V19A	14	1.3	SB-166/ SA-508	IRH-2002	PT UT-45°	2 3	 01-70-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2003-26A	SE-N	B5.10	2V19A	14	1.3	SB-166/ SA-508	IRH-2003	PT UT-45°	2 3	01-70-02	
IRH-2003-26B	EX-SE	B5.50	2V19B	12	.88	SA-508/ SB-166	IRH-2003	PT UT-45°	2 3	01-71-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2004-42A	SE-N	B5.10	2V19A	14	1	SB-166/ SA-508	IRH-2004	PT UT-45°	2 3	 01-70-02	
IRH-2004-42B	EX-SE	B5.50	2V19B	12	.88	SA-508/ SB-166	IRH-2004	PT UT-45°	2 3	 01-71-01	

System RH Loop C

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2005-25	P-E	B5.50	MF-2	2	1.00/ .844	906LS/ 948LS	IRH-2005	PT UT-45° UT-45°	2 1 1	 01-12-03 01-12-06	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2031-3	E-P	B5.50	MF-2	20	.900MW/ 1.281	949LS/ 901LS	IRH-2031	PT UT-45° UT-45°	2 1 1	 01-20-03 01-20-04	
IRH-2031-13	E-E	B5.50	MF-2	20	1.281/ .900MW	901LS/ 949LS	IRH-2031	PT UT-45° UT-45°	2 1 1	 01-20-03 01-20-04	
IRH-2031-52	P-E	B5.50	MF-2	20	.900MW/ 1.281	949LS/ 901LS	IRH-2031	PT UT-45° UT-45°	2 1 1	 01-20-03 01-20-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-13A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2001	PT UT-45°	2 3	 01-72-02	
IRR-2001-17A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2001	PT UT-45°	2 3	 01-72-02	
IRR-2001-22A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2001	PT UT-45°	2 3	 01-72-02	
IRR-2001-26A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2001	PT UT-45°	2 3	 01-72-02	
IRR-2001-30A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2001	PT UT-45°	2 3	 01-72-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2003-1A	N-SE	B5.10	2V14A	24	1.5	SA-508/ SA-336	IRR-2003	PT UT-45°	2 3	01-24-07	

System RR **Loop** A

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-13C	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2005	PT UT-45°	2 3	 01-72-02	
IRR-2005-17C	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2005	PT UT-45°	2 3	 01-72-02	
IRR-2005-22A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2005	PT UT-45°	2 3	 01-72-02	
IRR-2005-26A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2005	PT UT-45°	2 3	 01-72-02	
IRR-2005-30A	SE-N	B5.10	2V15A	12	1.3	SA-182/ SA-508	IRR-2005	PT UT-45°	2 3	 01-72-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2007-1A	N-SE	B5.10	2V14A	24	1.5	SA-508/ SA-336	IRR-2007	PT UT-45°	2 3	01-24-07	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2009-9	E-P	B5.50	GE-1	4	0.337/ 0.438	949LS/ 901LS	IRR-2009	PT UT-45° UT-45°	2 1 1	 01-04-04 01-04-05	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2010-9	E-E	B5.50	GE-1	4	0.337/ 0.438	949LS/ 901LS	IRR-2010	PT UT-45° UT-45°	2 1 1	 01-04-04 01-04-05	

System RR **Loop** A

ASME SECTION XI CATEGORY B-G-1

COMPONENT TO BE INSPECTED:

Pressure retaining bolting, greater than 2 inches in diameter.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include bolts, studs, nuts, bushings, washers, and threads in flange stud holes.

EXTENT AND FREQUENCY OF EXAMINATIONS:

The required examinations performed during each inspection interval shall cover 100% of the bolts, studs, nuts, bushings and threads in flange stud holes.
Bushings and threads in base material of flanges are required to be examined only when the connection is disassembled. Bushings may be inspected in place.
Bolting may be examined either in place under tension, when the connection is disassembled, or when the bolting is removed.
Program such that at least 25% of the required examinations shall have been completed after 1/3 of the ten-year inspection interval has expired (with credit for no more than 33-1/3% if additional examinations are completed) and at least 50% after 2/3 of the inspection interval has expired (with credit for no more than 66-2/3%). The remainder shall be completed by the end of the inspection interval.

METHOD OF EXAMINATION(S):

Ultrasonic, Liquid Penetrant, Visual VT-1.

REMARKS:

Location of bolt assemblies in the plant are indicated on the ISI drawing. Specific bolting details are located on bolting drawings as indicated in the remarks column. The detail drawing typifies the bolting to be inspected, but may not accurately depict the bolting quantity or size.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-1

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
LASALLE 2-FL-1 to 25	FL	B6.40	SA-508/ SA-541	12.75"	01-92-02	NA	UT-0°	11	
LASALLE 2-FL-26 to 51	FL	B6.40	SA-508/ SA-541	12.75"	01-92-02	NA	UT-0°	11	
LASALLE 2-FL-52 to 76	FL	B6.40	SA-508/ SA-541	12.75"	01-92-02	NA	UT-0°	11	
2-WASHER - 1 to 25	Washer	B6.50	NA	NA	NA	NA	VT	4	
2-WASHER - 26 to 51	Washer	B6.50	NA	NA	NA	NA	VT	4	
2-WASHER - 52 to 76	Washer	B6.50	NA	NA	NA	NA	VT	4	
2-STUD - 1 to 25	Stud	B6.20	SA-540 Gr. B24 CL1	6.25"Dia	01-61-01	NA	UT-0°	12	
2-STUD - 26 to 51	Stud	B6.20	SA-540 Gr. B24 CL1	6.25"Dia	01-61-01	NA	UT-0°	12	
2-STUD - 52 to 76	Stud	B6.20	SA-540 Gr. B24 CL1	6.25"Dia	01-61-01	NA	UT-0°	12	
2-NUT - 1to25	Nut	B6.10	AISI-4340	1.5"Act	NA	NA	PT	2	
2-NUT - 26to51	Nut	B6.10	AISI-4340	1.5"Act	NA	NA	PT	2	
2-NUT - 52to76	Nut	B6.10	AISI-4340	1.5"Act	NA	NA	PT	2	

System RPV Loop --

GE-I1 Rev.1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-1

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B33-F060A-3	VB	B6.210	SA-540	2 1/4"	01-60-02	IRR-2002	UT-0°	12	
		B6.220		(16)			VT	4	
		B6.230					VT	4	
2B33-F060A-4	VB	B6.210	SA-193	2 3/4"	01-60-03	IRR-2002	UT-0°	12	
		B6.220		(12)			VT	4	
		B6.230					VT	4	
IRR-PU2A	PB	B6.180	SA-193	3 1/4"	01-60-01	IRR-2002	UT-0°	12	
		B6.190		(16)			VT	4	
		B6.200					VT	4	

System RR Loop A

GE-I1 Rev.1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-1

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B33-F060B-3	VB	B6.210 B6.220 B6.230	SA-540	2 1/4" (16)	01-60-02	IRR-2006	UT-0° VT VT	12 4 4	
2B33-F060B-4	VB	B6.210 B6.220 B6.230	SA-193	2 3/4" (12)	01-60-03	IRR-2006	UT-0° VT VT	12 4 4	
IRR-PU2B	PB	B6.180 B6.190 B6.200	SA-193	3 1/4" (16)	01-60-01	IRR-2006	UT-0° VT VT	12 4 4	

System RR Loop B

GE-I1 Rev.1

ASME SECTION XI CATEGORY B-G-2

COMPONENT TO BE INSPECTED:

Pressure retaining bolting, 2 inches and smaller in diameter.

AREAS SUBJECT TO EXAMINATIONS:

The areas to be examined shall include bolts, studs, and nuts.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Bolting may be examined in place under tension, when the connection is disassembled, or when the bolting is removed.

Program such that at least 25% of the required examinations shall have been completed after 1/3 of the ten-year inspection interval has expired (with credit for no more the 33 1/3% if addtional examinations are completed) and at least 50% after 2/3 of the inspection interval has expired (with credit for no more than 66 2/3%). The remainder shall be completed by the end of the inspection interval.

METHOD OF EXAMINATION(S):

Visual VT-1

REMARKS:

See remarks for ASME Category B-G-1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B21-F010A-1	VB	B7.70	NA	1"(8)	NA	IFW-2004	VT	4	Dwg. 8, Part 15
2B21-F010A-2	VB	B7.70	NA	7/8"(8)	NA	IFW-2004	VT	4	Dwg. 8, Part 19
2B21-F011A	VB	B7.70	NA	1"(12)	NA	IFW-2004	VT	4	Dwg. 1, Part 232-4
2B21-F032A-1	VB	B7.70	NA	1"(8)	NA	IFW-2004	VT	4	Dwg. 8, Part 15
2B21-F032A-2	VB	B7.70	NA	7/8"(16)	NA	IFW-2004	VT	4	Dwg. 8, Part 19
2B21-F010B-1	VB	B7.70	NA	1"(8)	NA	IFW-2005	VT	4	Dwg. 8, Part 15
2B21-F010B-2	VB	B7.70	NA	7/8"(8)	NA	IFW-2005	VT	4	Dwg. 8, Part 19
2B21-F011B	VB	B7.70	NA	1"(12)	NA	IFW-2005	VT	4	Dwg. 1, Part 232-4
2B21-F032B-1	VB	B7.70	NA	1"(8)	NA	IFW-2005	VT	4	Dwg. 8, Part 15
2B21-F032B-2	VB	B7.70	NA	7/8"(16)	NA	IFW-2005	VT	4	Dwg. 8, Part 19
2E22-F004	VB	B7.70	NA	7/8"(12)	NA	IHP-2001	VT	4	
2E22-F005-1	VB	B7.70	NA	1/2"(4)	NA	IHP-2001	VT	4	
2E22-F005-2	VB	B7.70	NA	3/4"(8)	NA	IHP-2001	VT	4	
2E22-F005-3	VB	B7.70	NA	1-1/8" (8)	NA	IHP-2001	VT	4	
2E22-F038	VB	B7.70	NA	1-1/2" (20)	NA	IHP-2001	VT	4	Dwg.1, Part 232-4
2E21-F005	VB	B7.70	NA	7/8"(12)	NA	ILP-2001	VT	4	Dwg. 1, Part 232-4
2E21-F006-1	VB	B7.70	NA	1/2"(4)	NA	ILP-2001	VT	4	Dwg. 6, Part 19A

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2E21-F006-2	VB	B7.70	NA	3/4"(8)	NA	ILP-2001	VT	4	Dwg. 6, Part 19
2E21-F006-3	VB	B7.70	NA	1-1/8" (8)	NA	ILP-2001	VT	4	Dwg. 6, Part 15
2E21-F051	VB	B7.70	NA	7/8"(12)	NA	ILP-2001	VT	4	Dwg. 1, Part 232-4
2B21-F013B	VB	B7.70	NA	1"(12)	NA	IMS-2001	VT	4	Dwg. 2, Part 16
2B21-F013J	VB	B7.70	NA	1"(12)	NA	IMS-2001	VT	4	Dwg. 2, Part 16
2B21-F013P	VB	B7.70	NA	1"(12)	NA	IMS-2001	VT	4	Dwg. 2, Part 16
2B21-F013V	VB	B7.70	NA	1"(12)	NA	IMS-2001	VT	4	Dwg. 2, Part 16
IMS-2001B-11	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2001	VT	4	
IMS-2001B-15	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2001	VT	4	
IMS-2001B-19	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2001	VT	4	
IMS-2001B-23	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2001	VT	4	
2B21-F013D	VB	B7.70	NA	1"(12)	NA	IMS-2002	VT	4	Dwg. 2, Part 16
2B21-F013F	VB	B7.70	NA	1"(12)	NA	IMS-2002	VT	4	Dwg. 2, Part 16
2B21-F013K	VB	B7.70	NA	1"(12)	NA	IMS-2002	VT	4	Dwg. 2, Part 16
2B21-F013S	VB	B7.70	NA	1"(12)	NA	IMS-2002	VT	4	Dwg. 2, Part 16
2B21-F013M	VB	B7.70	NA	1"(12)	NA	IMS-2002	VT	4	Dwg. 2, Part 16

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
IMS-2002B-14	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2002	VT	4	
IMS-2002B-18	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2002	VT	4	
IMS-2002B-22	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2002	VT	4	
IMS-2002B-26	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2002	VT	4	
IMS-2002B-30	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2002	VT	4	
2B21-F013C	VB	B7.70	NA	1"(12)	NA	IMS-2003	VT	4	Dwg. 2, Part 16
2B21-F013E	VB	B7.70	NA	1"(12)	NA	IMS-2003	VT	4	Dwg. 2, Part 16
2B21-F013R	VB	B7.70	NA	1"(12)	NA	IMS-2003	VT	4	Dwg. 2, Part 16
2B21-F013L	VB	B7.70	NA	1"(12)	NA	IMS-2003	VT	4	Dwg. 2, Part 16
2B21-F013N	VB	B7.70	NA	1"(12)	NA	IMS-2003	VT	4	Dwg. 2, Part 16
IMS-2003B-12	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2003	VT	4	
IMS-2003B-16	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2003	VT	4	
IMS-2003B-20	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2003	VT	4	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
IMS-2003B-24	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2003	VT	4	
IMS-2003B-36	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2003	VT	4	
2B21-F013A	VB	B7.70	NA	1"(12)	NA	IMS-2004	VT	4	Dwg. 2, Part 16
2B21-F013G	VB	B7.70	NA	1"(12)	NA	IMS-2004	VT	4	Dwg. 2, Part 16
2B21-F013H	VB	B7.70	NA	1"(12)	NA	IMS-2004	VT	4	Dwg. 2, Part 16
2B21-F013U	VB	B7.70	NA	1"(12)	NA	IMS-2004	VT	4	Dwg. 2, Part 16
IMS-2004B-10	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2004	VT	4	
IMS-2004B-14	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2004	VT	4	
IMS-2004B-18	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2004	VT	4	
IMS-2004B-22	FB	B7.50	NA	1-3/8" (12)	NA	IMS-2004	VT	4	
2B21-F022A	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2051	VT	4	Dwg.3,Parts 5&6
2B21-F028A	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2051	VT	4	Dwg.3,Parts 5&6
2B21-F022B	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2052	VT	4	Dwg.3,Parts 5&6

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B21-F028B	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2052	VT	4	Dwg.3,Parts 5&6
2B21-F022C	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2053	VT	4	Dwg.3,Parts 5&6
2B21-F028C	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2053	VT	4	Dwg.3,Parts 5&6
2B21-F022D	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2054	VT	4	Dwg.3,Parts 5&6
2B21-F028D	VB	B7.70	NA	1-5/8" (24)	NA	IMS-2054	VT	4	Dwg.3,Parts 5&6
2E12-F050B-1	VB	B7.70	NA	1/2"(6)	NA	IRH-2001	VT	4	Dwg.6,Part 19A
2E12-F050B-2	VB	B7.70	NA	3/4"(8)	NA	IRH-2001	VT	4	Dwg.6,Part 19
2E12-F050B-3	VB	B7.70	NA	1-1/8"(8)	NA	IRH-2001	VT	4	Dwg.6,Part 15
2E12-F053B	VB	B7.70	NA	3/4"(6)	NA	IRH-2001	VT	4	Dwg.1,Part 232-4
2E12-F090B	VB	B7.70	NA	7/8"(12)	NA	IRH-2001	VT	4	Dwg.1,Part 232-4
2E12-F041B-1	VB	B7.70	NA	1/2"(4)	NA	IRH-2002	VT	4	Dwg.6,Part 19A
2E12-F041B-2	VB	B7.70	NA	3/4"(8)	NA	IRH-2002	VT	4	Dwg.6,Part 19
2E12-F041B-3	VB	B7.70	NA	1-1/8"(8)	NA	IRH-2002	VT	4	Dwg.6,Part 15
2E12-F042B	VB	B7.70	NA	7/8"(12)	NA	IRH-2002	VT	4	Dwg.1,Part 232-4
2E12-F092B	VB	B7.70	NA	7/8"(12)	NA	IRH-2002	VT	4	Dwg.1,Part 232-4
2E12-F041A-1	VB	B7.70	NA	1/2"(4)	NA	IRH-2003	VT	4	Dwg.6,Part 19

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2E12-F041A-2	VB	B7.70	NA	3/4"(8)	NA	IRH-2003	VT	4	Dwg.6,Part 19A
2E12-F041A-3	VB	B7.70	NA	1-1/8"(8)	NA	IRH-2003	VT	4	Dwg.6,Part 15
2E12-F042A	VB	B7.70	NA	7/8"(12)	NA	IRH-2003	VT	4	Dwg.1,Part 232-4
2E12-F092A	VB	B7.70	NA	7/8"(12)	NA	IRH-2003	VT	4	Dwg.1,Part 232-4
2E12-F041C-1	VB	B7.70	NA	1/2"(4)	NA	IRH-2004	VT	4	Dwg.6,Part 19A
2E12-F041C-2	VB	B7.70	NA	3/4"(8)	NA	IRH-2004	VT	4	Dwg.6,Part 19
2E12-F041C-3	VB	B7.70	NA	1-1/8"(8)	NA	IRH-2004	VT	4	Dwg.6,Part 15
2E12-F042C	VB	B7.70	NA	7/8"(12)	NA	IRH-2004	VT	4	Dwg.1,Part 232-4
2E12-F092C	VB	B7.70	NA	7/8"(12)	NA	IRH-2004	VT	4	Dwg.1,Part 232-4
2E12-F050A-1	VB	B7.70	NA	1/2"(4)	NA	IRH-2005	VT	4	Dwg.6,Part 19A
2E12-F050A-2	VB	B7.70	NA	3/4"(8)	NA	IRH-2005	VT	4	Dwg.6,Part 19
2E12-F050A-3	VB	B7.70	NA	1-1/8"(8)	NA	IRH-2005	VT	4	Dwg.6,Part 15
2E12-F053A	VB	B7.70	NA	3/4"(6)	NA	IRH-2005	VT	4	Dwg.1,Part 232-4
2E12-F090A	VB	B7.70	NA	7/8"(12)	NA	IRH-2005	VT	4	Dwg.1,Part 232-4
2E12-F019	VB	B7.70	NA	5/8"(4)	NA	IRH-2022	VT	4	Dwg.1,Part 232-4
2E12-F023	VB	B7.70	NA		NA	IRH-2022	VT	4	
2E12-F008	VB	B7.70	NA	1-1/2"(8)	NA	IRH-2031	VT	4	Dwg.1,Part 232-4
2E12-F009	VB	B7.70	NA	1-1/2"(8)	NA	IRH-2031	VT	4	Dwg.1,Part 232-4

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2E12-F020	VB	B7.70	NA	1/1/2"(8)	NA	IRH-2031	VT	4	Dwg.1,Part 232-4
GEL-1060-7	FB	B7.50	NA	1-3/8"(8)	NA	GEL-1060	VT	4	
GEL-1060-8	FB	B7.50	NA	1-3/8"(8)	NA	GEL-1060	VT	4	
GEL-1060-9	FB	B7.50	NA	1-3/8"(8)	NA	GEL-1060	VT	4	
2E51-F008	VB	B7.70	NA	3/4"(6)	NA	IRI-2001	VT	4	Dwg.1,Part 232-4
2E51-F064	VB	B7.70	NA	7/8"(10)	NA	IRI-2001	VT	4	Dwg.1,Part 232-4
2E51-F063	VB	B7.70	NA	7/8"(10)	NA	IRI-2001	VT	4	Dwg.1,Part 232-4
IRI-2002B-12	FB	B7.50	NA		NA	IRI-2002	VT	4	
IRI-2002B-17	FB	B7.50	NA		NA	IRI-2002	VT	4	
IRI-2002B-21	FB	B7.50	NA		NA	IRI-2002	VT	4	
2E51-F066-1	VB	B7.70	NA	1/2"(14)	NA	IRI-2002	VT	4	Dwg.7,Parts 19&19A
2E51-F066-2	VB	B7.70	NA	1-1/8"(4)	NA	IRI-2002	VT	4	Dwg.7,Part 15
2E51-F013	VB	B7.70	NA	3/4"(6)	NA	IRI-2003	VT	4	Dwg.1,Part 232-4
2E51-F065-1	VB	B7.70	NA	1/2"(14)	NA	IRI-2003	VT	4	Dwg.7,Parts 19&19A
2E51-F065-2	VB	B7.70	NA	1-1/8"(4)	NA	IRI-2003	VT	4	Dwg.7,Part 15
IRR-2002B-6	FB	B7.50	NA	1-1/8"(8)	NA	IRR-2002	VT	4	
2B33-F060A-1	VB	B7.70	NA	1"(6)	NA	IRR-2002	VT	4	Dwg. 5, Part 78
2B33-F060A-2	VB	B7.70	NA	1-1/4"(8)	NA	IRR-2002	VT	4	Dwg. 5, Part 76

System -- Loop --

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B33-F060A-3	VB	B7.70	NA	2-1/4"(16)	NA	IRR-2002	VT	4	Dwg.5,Parts 5&6
2B33-F060A-4	VB	B7.70	NA	2-3/4"(12)	NA	IRR-2002	VT	4	Dwg.5,Part 503
2B33-F067A	VB	B7.70	NA	2"(20)	NA	IRR-2002	VT	4	Dwg.4,Parts 23&28
IRR-2003B-21	FB	B7.50	NA	1-1/8"(8)	NA	IRR-2003	VT	4	
2B33-F023A	VB	B7.70	NA	2"(18)	NA	IRR-2003	VT	4	Dwg.4,Parts 23&28
IRR-2006B-6	FB	B7.50	NA	1-1/8"(8)	NA	IRR-2006	VT	4	
2B33-F060B-1	VB	B7.70	NA	1"(6)	NA	IRR-2006	VT	4	Dwg.5,Part 78
2B33-F060B-2	VB	B7.70	NA	1-1/4"(8)	NA	IRR-2006	VT	4	Dwg.5,Part 76
2B33-F060B-3	VB	B7.70	NA	2-1/4"(16)	NA	IRR-2006	VT	4	Dwg.5,Parts 5&6
2B33-F060B-4	VB	B7.70	NA	2-3/4"(12)	NA	IRR-2006	VT	4	Dwg.5,Part 503
2B33-F067B	VB	B7.70	NA	2"(20)	NA	IRR-2006	VT	4	Dwg.4,Parts 23&28
IRR-2007B-19	FB	B7.50	NA	1-1/8"(8)	NA	IRR-2007	VT	4	
2B33-F023B	VB	B7.70	NA	2"(18)	NA	IRR-2007	VT	4	Dwg.4,Parts 23&28
2G33-F106	VB	B7.70	NA	3/4"(6)	NA	IRR-2009	VT	4	Dwg.1,Part 232-4
2G33-F100	VB	B7.70	NA	3/4"(6)	NA	IRR-2010	VT	4	Dwg.1,Part 232-4
2G33-F001	VB	B7.70	NA	3/4"(6)	NA	GEL-1110	VT	4	
2G33-F004	VB	B7.70	NA	3/4"(6)	NA	GEL-1110	VT	4	
2G33-F101	VB	B7.70	NA	3/4"(6)	NA	GEL-1110	VT	4	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-G-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2G33-F102	VB	B7.70	NA	3/4"(4)	NA	GEL-1110	VT	4	
IRT-2001B-18A	FB	B7.50	NA	1"(12)	NA	GEL-1110	VT	4	
IRT-2001B-18B	FB	B7.50	NA	1"(12)	NA	GEL-1110	VT	4	

ASME SECTION XI CATEGORY B-H

COMPONENT TO BE INSPECTED:

Integral Attachments for Vessels

AREAS SUBJECT TO EXAMINATIONS:

Examination limited to essentially 100% of the length of the attachment welds joining the attachments whose base material design thickness is 5/8 in (16mm) or greater to the reactor vessel.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that the integraly welded attachments shall be examined per ASME Section XI, Table IWB-2412-1.

For Inservice Inspection purposes the vessel skirt weld has been subdivided into three examination areas delineated as IVS-1, IVS-2, and IVS-3.

METHOD OF EXAMINATION(S):

Liquid Penetrant

REMARKS:

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-H

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IVS-1	B8.10	V5	SA-533	8.45"	NA	0°-120°	217	NA	PT	2	
IVS-2	B8.10	V5	SA-533	8.45"	NA	120° - 240°	217	NA	PT	2	
IVS-3	B8.10	V5	SA-533	8.45"	NA	240°-0°	217	NA	PT	2	
2RPV-SS-1	B8.10	-	-	-	-	30° 567"	-	GEL-1119	PT	2	
2RPV-SS-2	B8.10	-	-	-	-	90° 567"	-	GEL-1119	PT	2	
2RPV-SS-3	B8.10	-	-	-	-	150° 567"	-	GEL-1119	PT	2	
2RPV-SS-4	B8.10	-	-	-	-	210° 567"	-	GEL-1119	PT	2	
2RPV-SS-5	B8.10	-	-	-	-	270° 567"	-	GEL-1119	PT	2	
2RPV-SS-6	B8.10	-	-	-	-	330° 567"	-	GEL-1119	PT	2	

System RPV Loop --

GE-I3 Rev. 1

ASME SECTION XI CATEGORY B-J

COMPONENT TO BE INSPECTED:

Pressure retaining welds in piping.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include 100% of the circumferential welds[1,2] in piping and pipe branch connections, and at least one pipe diameter length but not more than 12 inches of the longitudinal welds at the intersecting circumferential weld; and socket welds. This shall include the weld metal and base metal beyond the weld edge as defined by ASME Section XI, Figures IWB-2500-8, IWB-2500-9, IWB-2500-10, and IWB-2500-11.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds[1,2] are examined per ASME Section XI, Table IWB-2412-1.

METHOD OF EXAMINATION(S):

Liquid Penetrant and Ultrasonic, for circumferential, longitudinal, and branch pipe connection welds in piping $\geq$ 4 inches nominal diameter.

Liquid Penetrant, for circumferential, longitudinal, and branch pipe connection welds in piping < 4 inches nominal diameter; and socket welds.

REMARKS:

1. Examinations shall include the following:

   a. All terminal ends in each pipe or branch run connected to vessels;
   b. All terminal ends and joints in each pipe or branch run connected to other components where the stress levels exceed the following limits under loads associated with specific seismic events and operational conditions:
      1. primary plus secondary stress intensity range of $2.4S_m$ for ferritic steel and austenitic steel;
      2. cumulative usage factor U of 0.4.

   c. All dissimilar metal welds between combinations of:
      1. carbon or low alloy steels to high alloy steels:
      2. carbon or low alloy steels to high nickel alloys;
      3. high alloy steels to high nickel alloys.

   d. Additional piping welds so that the total number of circumferential butt welds (or branch connection or socket welds) selected for examination equals 25% of the circumferential butt welds (or branch connection or socket welds) in the reactor coolant piping system. This total does not include welds excluded by IWB-1220. These additional welds may be located in one loop (one loop is currently defined for BWR plants in the 1980 Edition).

2. The initially selected welds shall be reexamined during each inspection interval.

ASME SECTION XI CATEGORY B-J

REMARKS:

3. The Category B-J circumferential welds (and adjacent longitudinal welds) listed below will be examined during the First Inspection Interval. The welds were selected based on the selection criteria of ASME Section XI, TABLE IWB-2500-1, Examination Category B-J, Notes 1(a) and 1(b). All welds meeting the selection criteria of Note 1(c) (i.e. dissimilar metal welds) have been placed in Examination Category B-F. Note (1(d) was not used in the selection of welds since the percentage of welds selected using the criteria of Notes 1(a) and 1(b) exceeds the minimum 25% requirement by 1.9%. Also listed below are the Category B-J longitudinal welds requiring examination during the examination of the adjacent Category B-F circumferential welds.

B-F Circum.Weld	Adj. B-J Long.Weld(s)
IRH-2031-3	IRH-2031-3ALU
	IRH-2031-3BLU
IRH-2031-13	IRH-2031-13ALD
	IRH-2031-13BLD

B-J Circum.Weld	Adj. B-J Long.Weld(s)
IFW-2001-1	
IFW-2001-5	
IFW-2001-6	
IFW-2001-7	
IFW-2001-8	
IFW-2001-9	
IFW-2001-10	
IFW-2001-13	
IFW-2001-14	
IFW-2001-15	
IFW-2001-16	
IFW-2001-17	
IFW-2001-20	
IFW-2001-21	
IFW-2001-26	
IFW-2001-29	
IFW-2002-1	
IFW-2002-5	
IFW-2002-6	
IFW-2002-8	
IFW-2002-10	
IFW-2002-13	
IFW-2002-14	
IFW-2002-15	
IFW-2002-16	
IFW-2002-17	
IFW-2002-20	
IFW-2002-21	
IFW-2002-25	
IFW-2002-26	
IFW-2002-29	
IFW-2004-15	IFW-2004-15LU
IHP-2001-25	
IHP-2001-26	
2-JPI-A-2	
2-JPI-B-2	
ILP-2001-25	
ILP-2001-26	
IMS-2001-1	IMS-2001-1LD
IMS-2001-9	
IMS-2001-13	
IMS-2001-17	
IMS-2001-21	
IMS-2002-1	IMS-2002-1LD
IMS-2002-5	
IMS-2002-10	IMS-2002-10LD
IMS-2002-12	
IMS-2002-16	
IMS-2002-20	
IMS-2002-24	
IMS-2002-28	
IMS-2002-31	IMS-2002-31LU
IMS-2003-1	IMS-2003-1LD
IMS-2003-8	IMS-2003-8LD
IMS-2003-10	
IMS-2003-14	
IMS-2003-18	
IMS-2003-22	
IMS-2003-34	
IMS-2004-1	IMS-2004-1LD
IMS-2004-5	IMS-2004-5LU
IMS-2004-8	
IMS-2004-12	
IMS-2004-16	
IMS-2004-20	
IMS-2051-1	IMS-2051-1LD
IMS-2051-8	IMS-2051-8LU
IMS-2051-14	IMS-2051-14LU

ASME SECTION XI CATEGORY B-J

3. (Cont'd)

B-J Circum.Weld	Adj. B-J Long.Weld(s)
IMS-2051-20	IMS-2051-20LU
IMS-2052-1	IMS-2052-1LD
IMS-2052-8	IMS-2052-8LU
IMS-2052-9	IMS-2052-9LD
IMS-2052-13	IMS-2052-13LU
IMS-2053-1	IMS-2053-1LD
IMS-2053-8	IMS-2053-8LU
IMS-2053-18	IMS-2053-18LU
IMS-2054-1	IMS-2054-1LD
IMS-2054-8	IMS-2054-8LU
IMS-2054-14	IMS-2054-14LU
IMS-2054-18	IMS-2054-18LU
IMS-2055-1	
IMS-2055-2	
INB-2001-2A	
INB-2001-4A	
IRH-2001-16	
IRH-2001-18	
IRH-2001-19	
IRH-2001-20	
IRH-2001-21	
IRH-2001-21A	
IRH-2001-22	
IRH-2002-18	
IRH-2002-40	
IRH-2003-22	
IRH-2003-25	
IRH-2003-26	
IRH-2004-17	
IRH-2004-18	
IRH-2004-39	
IRH-2004-42	
IRH-2005-23	
IRH-2005-24	
IRH-2005-28	
IRH-2005-29	
IRH-2031-1	IRH-2031-1ALD
	IRH-2031-1BLD
IRH-2031-4	
IRH-2031-9	
IRH-2031-17	IRH-2031-17ALU
	IRH-2031-17BLU
IRH-2031-24	IRH-2031-24ALD
	IRH-2031-24BLD
IRH-2031-30	IRH-2031-30ALU
	IRH-2031-30BLU
IRH-2031-44	IRH-2031-44ALU
	IRH-2031-44BLU

B-J Circum.Weld	Adj. B-J Long.Weld(s)
IRH-2031-57	
IRI-2001-1	
IRI-2001-2	
IRI-2001-5	
IRI-2001-20	
IRI-2002-7	
IRI-2002-11	
IRI-2002-13A	
IRI-2002-13	
IRI-2002-14	
IRI-2002-15	
IRI-2002-16	
IRI-2002-19	
IRI-2002-20	
IRR-2001-1	IRR-2001-1LD
IRR-2001-2	IRR-2001-2LD
IRR-2001-3	
IRR-2001-4	
IRR-2001-6	IRR-2001-6LD
IRR-2001-7	
IRR-2001-8	
IRR-2001-13	IRR-2001-13LU
IRR-2001-17	IRR-2001-17LU
IRR-2001-18	
IRR-2001-18A	IRR-2001-18ALD
IRR-2001-22	IRR-2001-22LU
IRR-2001-26	IRR-2001-26LU
IRR-2001-30	IRR-2001-30LU
IRR-2003-1	IRR-2001-1LD
IRR-2003-6	IRR-2001-6LU
	IRR-2001-6ALD
	IRR-2001-6BLD
IRR-2003-7	IRR-2001-7LD
	IRR-2001-7ALU
	IRR-2001-7BLU
IRR-2005-1	IRR-2005-1LD
IRR-2005-2	IRR-2005-2LD
IRR-2005-3	
IRR-2005-4	
IRR-2005-6	IRR-2005-6LD
IRR-2005-7	
IRR-2005-8	
IRR-2005-13	IRR-2005-13LU
IRR-2005-17	IRR-2005-17LU
IRR-2005-18	
IRR-2005-19	IRR-2005-19LD
IRR-2005-22	IRR-2005-22LU
IRR-2005-26	IRR-2005-26LU
IRR-2005-30	IRR-2005-30LU
IRR-2007-1	IRR-2007-1LD
IRR-2007-2	IRR-2007-2LU
	IRR-2007-2ALD
	IRR-2007-2BLD

ASME SECTION XI CATEGORY B-J

3. (Cont'd)

B-J Circum.Weld	Adj. B-J Long.Weld(s)	B-J Circum.Weld	Adj. B-J Long.Weld(s)
IRR-2007-3	IRR-2007-3LD IRR-2007-3ALU IRR-2007-3BLU		
IRR-2007-17			
IRR-2007-18			
IRR-2009-1			
IRR-2009-2			
IRR-2009-6			
IRR-2010-1			
IRR-2010-3			
IRR-2010-8			
IRR-2010-42			
IRR-2010-43			
IRT-2001-3			
IRT-2001-18			
IRT-2001-19			
IRT-2001-42			
IRT-2001-43			

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2001-1	V-P	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-2	P-E	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-3	E-P	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-4	P-E	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-5	E-T	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-6	T-R	B9.11	MF-2	24	1.531	901LS	IFW-2001	PT UT-45°	2 1	01-24-04	
IFW-2001-7	R-P	B9.11	MF-2	18	1.156	901LS	IFW-2001	PT UT-45°	2 1	01-18-02	
IFW-2001-8	P-T	B9.11	MF-2	18	1.156	901LS	IFW-2001	PT UT-45°	2 1	01-18-02	
IFW-2001-9	T-R	B9.11	MF-2	18	1.156	901LS	IFW-2001	PT UT-45°	2 1	01-18-02	
IFW-2001-10	R-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	01-12-02	
IFW-2001-11	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	01-12-02	
IFW-2001-12	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2001-13	T-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-14	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-15	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-16	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-17	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-18	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-19	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-20	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-21	T-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-22	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-23	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-24	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2001-25	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-26	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-27	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-28	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	
IFW-2001-29	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2001	PT UT-45°	2 1	 01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2002-1	V-P	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-2	P-E	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-3	E-P	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-4	P-E	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-5	E-T	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-6	T-R	B9.11	MF-2	24	1.531	901LS	IFW-2002	PT UT-45°	2 1	 01-24-04	
IFW-2002-7	R-P	B9.11	MF-2	18	1.156	901LS	IFW-2002	PT UT-45°	2 1	 01-18-02	
IFW-2002-8	P-T	B9.11	MF-2	18	1.156	901LS	IFW-2002	PT UT-45°	2 1	 01-18-02	
IFW-2002-9	T-R	B9.11	MF-2	18	1.156	901LS	IFW-2002	PT UT-45°	2 1	 01-18-02	
IFW-2002-10	R-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-10A	P-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-11	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2002-12	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-13	T-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-14	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-15	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-16	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-17	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-18	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-19	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-20	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-21	T-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-22	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-23	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2002-24	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-25	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-26	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-27	P-E	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-28	E-P	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	
IFW-2002-29	P-SE	B9.11	MF-2	12	0.844	901LS	IFW-2002	PT UT-45°	2 1	 01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2004-6	V-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-6LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-7	P-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-7LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-7LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-8	P-PH	B9.11	FH-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-8LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-9	PH-P	B9.11	FH-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	RI-05
IFW-2004-9LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	RI-05
IFW-2004-10	P-V	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-10LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	
IFW-2004-11	V-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	01-24-05	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2004-11LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-12	P-E	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-12LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-13	E-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-13LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-14	P-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-14LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-14LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-15	P-V	B9.11	MF-2	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	
IFW-2004-15LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2004	PT UT-45°	2 1	 01-24-05	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2005-6	V-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-6LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-7	P-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-7LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-7LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-8	P-PH	B9.11	FH-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-8LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-9	PH-P	B9.11	FH-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	RI-05
IFW-2005-9LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	RI-05
IFW-2005-10	P-V	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-10LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-11	V-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2005-11LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-12	P-E	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-12LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-13	E-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-13LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-14	P-P	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-14LD	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-14LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-15	P-V	B9.11	MF-2	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	
IFW-2005-15LU	LS	B9.12	GR-1	24	1.876MW	1502LS	IFW-2005	PT UT-45°	2 1	01-24-05	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2001-2	V-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-6	P-E	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-7	E-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-8	P-E	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-9	E-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-10	P-E	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-11	E-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-12	P-E	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-13	E-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-14	P-E	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-15	E-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-16	P-V	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2001-17	V-P	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-20	P-V	B9.11	MF-2	12	1.000	906LS	IHP-2001	PT UT-45°	2 1	 01-12-03	
IHP-2001-21	V-P	B9.11	MF-2	12	0.844	901LS	IHP-2001	PT UT-45°	2 1	 01-12-02	
IHP-2001-23	P-E	B9.11	MF-2	12	0.844	901LS	IHP-2001	PT UT-45°	2 1	 01-12-02	
IHP-2001-24	E-P	B9.11	MF-2	12	0.844	901LS	IHP-2001	PT UT-45°	2 1	 01-12-02	
IHP-2001-25	P-R	B9.11	MF-2	12	0.844	901LS	IHP-2001	PT UT-45°	2 1	 01-12-02	
IHP-2001-26	R-EX	B9.11	MF-2	10	0.719	901LS	IHP-2001	PT UT-45°	2 1	 01-10-03	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2001-1	V-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-6	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-7	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-8	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-9	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-10	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-11	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-12	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-13	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-14	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-15	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	
ILP-2001-16	P-V	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	01-12-02	

System LP Loop --

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2001-17	V-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-20	P-V	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-21	V-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-23	P-E	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-24	E-P	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-25	P-R	B9.11	MF-2	12	0.844	901LS	ILP-2001	PT UT-45°	2 1	 01-12-02	
ILP-2001-26	R-EX	B9.11	MF-2	10	0.719	901LS	ILP-2001	PT UT-45°	2 1	 01-10-03	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2001-1	SE-P	B9.11	MF-2	26	1.458	--	IMS-2001	PT UT-45° UT-45°	2 1 1	 01-26-01 01-26-04	
IMS-2001-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-2	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-3	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-3LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4A	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4ALD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-4ALU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2001-6	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-6LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-7	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-7LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-8	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-9	W-P	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	01-08-01	
IMS-2001-10	P-F	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	01-08-01	
IMS-2001-12	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-13	W-P	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	01-08-01	
IMS-2001-14	P-F	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	01-08-01	
IMS-2001-16	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2001	PT UT-45°	2 1	01-26-01	
IMS-2001-17	W-P	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	01-08-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2001-18	P-F	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	 01-08-01	
IMS-2001-20	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-21	W-P	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	 01-08-01	
IMS-2001-22	P-F	B9.11	MF-2	8	0.500	--	IMS-2001	PT UT-45°	2 1	 01-08-01	
IMS-2001-24	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	
IMS-2001-24LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2001	PT UT-45°	2 1	 01-26-01	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2002-1	SE-P	B9.11	MF-2	26	1.458	--	IMS-2002	PT UT-45° UT-45°	2 1 1	 01-26-01 01-26-04	
IMS-2002-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-2	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-3	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-3LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-4	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-4LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-4LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-5	P-W	B9.31	MF-2	26x10	0.594	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-7	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2002-8	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-8LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-9	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-9LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-10	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-10LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-10A	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-10ALD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-10ALU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-11	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-12	W-P	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	 01-08-01	
IMS-2002-13	P-F	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	 01-08-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2002-15	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2002	PT UT-45°	2 1	01-26-01	
IMS-2002-16	W-P	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-17	P-F	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-19	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2002	PT UT-45°	2 1	01-26-01	
IMS-2002-20	W-P	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-21	P-F	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-23	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2002	PT UT-45°	2 1	01-26-01	
IMS-2002-24	W-P	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-25	P-F	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-27	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2002	PT UT-45°	2 1	01-26-01	
IMS-2002-28	W-P	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	
IMS-2002-29	P-F	B9.11	MF-2	8	0.500	--	IMS-2002	PT UT-45°	2 1	01-08-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2002-31	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	
IMS-2002-31LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2002	PT UT-45°	2 1	 01-26-01	

System MS Loop B

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2003-1	SE-P	B9.11	MF-2	26	1.458	--	IMS-2003	PT UT-45° UT-45°	2 1 1	 01-26-01 01-26-04	
IMS-2003-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-2	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-3	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-3LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-4	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-4LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-4LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-5	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-5LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-6	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2003-6LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-7	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-8	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-8LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-8A	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-8ALD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-8ALU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-9	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-10	W-P	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-11	P-F	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-13	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2003-14	W-P	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-15	P-F	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-17	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-18	W-P	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-19	P-F	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-21	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-22	W-P	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-23	P-F	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-33	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	
IMS-2003-34	W-P	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-35	P-F	B9.11	MF-2	8	0.500	--	IMS-2003	PT UT-45°	2 1	 01-08-01	
IMS-2003-37	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2003-37LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2003	PT UT-45°	2 1	 01-26-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2004-1	SE-P	B9.11	MF-2	26	1.458	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
								UT-45°	1	01-26-04	
IMS-2004-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-2	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-3	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-3LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4A	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4ALD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	
IMS-2004-4ALU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT	2		
								UT-45°	1	01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2004-5	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-5LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-6	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-6LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-7	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-8	W-P	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-9	P-F	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-11	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-12	W-P	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-13	P-F	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-15	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-16	W-P	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2004-17	P-F	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-19	P-W	B9.31	MF-2	26x8	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-20	W-P	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-21	P-F	B9.11	MF-2	8	0.500	--	IMS-2004	PT UT-45°	2 1	 01-08-01	
IMS-2004-23	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	
IMS-2004-23LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2004	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2046-1	C-P	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-6	P-E	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-7	E-P	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-7A	P-P	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-9	P-E	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-10	E-P	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-11	P-E	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-12	E-V	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-13	V-P	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	
IMS-2046-15	P-V	B9.21	MF-2	3	0.300	939LS	GEL-1106	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2051-1	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-2	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-2LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-7	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-7LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-8	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-8LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-9	E-E	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	
IMS-2051-10	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2051-10LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	
IMS-2051-11	P-V	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	
IMS-2051-11LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	
IMS-2051-13	V-P	B9.11	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	
IMS-2051-13LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	
IMS-2051-14	P-PH	B9.11	FH-1	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2051-14LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2051	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2051-17	P-PH	B9.11	FH-1	26	0.967MW	905LS	IMS-2051	PT UT-45°	2 1	 01-26-02	
IMS-2051-17LD	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2051	PT UT-45°	2 1	 01-26-02	
IMS-2051-20	P-V	B9.11	MF-2	26	0.967MW	905LS	IMS-2051	PT UT-45°	2 1	 01-26-02	
IMS-2051-20LU	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2051	PT UT-45°	2 1	 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2052-1	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-2	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-2LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-7	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-7LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-8	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-8LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-9	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-9LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2052-10	P-V	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-10LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-12	V-P	B9.11	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-12LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	
IMS-2052-13	P-PH	B9.11	FH-1	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2052-13LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2052	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2052-15	P-PH	B9.11	FH-1	26	0.967MW	905LS	IMS-2052	PT UT-45°	2 1	 01-26-02	
IMS-2052-15LU	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2052	PT UT-45°	2 1	 01-26-02	
IMS-2052-16	P-V	B9.11	MF-2	26	0.967MW	905LS	IMS-2052	PT UT-45°	2 1	 01-26-02	
IMS-2052-16LU	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2052	PT UT-45°	2 1	 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2053-1	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-2	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-2LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-7	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-7LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-8	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-8LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-9	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	
IMS-2053-9LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT UT-45°	2 1	 01-26-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2053-10	P-V	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	
IMS-2053-10LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	
IMS-2053-12	V-P	B9.11	MF-2	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	
IMS-2053-12LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	
IMS-2053-13	P-PH	B9.11	FH-1	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	RI-05
IMS-2053-13LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2053	PT	2		
								UT-45°	1	01-26-01	RI-05
IMS-2053-15	P-PH	B9.11	FH-1	26	0.967MW	905LS	IMS-2053	PT	2		
								UT-45°	1	01-26-02	
IMS-2053-15LD	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2053	PT	2		
								UT-45°	1	01-26-02	
IMS-2053-18	P-V	B9.11	MF-2	26	0.967MW	905LS	IMS-2053	PT	2		
								UT-45°	1	01-26-02	
IMS-2053-18LD	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2053	PT	2		
								UT-45°	1	01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2054-1	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-1LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-2	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-2LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-2LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-7	P-P	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-7LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-7LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-8	P-E	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-8LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-9	E-E	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-10	E-P	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2054-10LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-11	P-V	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-11LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-13	V-P	B9.11	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-13LD	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	
IMS-2054-14	P-PH	B9.11	FH-1	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2054-14LU	LS	B9.12	MF-2	26	0.967MW	--	IMS-2054	PT UT-45°	2 1	 01-26-01	 RI-05
IMS-2054-15	PH-P	B9.11	FH-1	26	0.967MW	905LS	IMS-2054	PT UT-45°	2 1	 01-26-02	
IMS-2054-15LD	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2054	PT UT-45°	2 1	 01-26-02	
IMS-2054-18	P-V	B9.11	MF-2	26	0.967MW	905LS	IMS-2054	PT UT-45°	2 1	 01-26-02	
IMS-2054-18LU	LS	B9.12	MF-2	26	0.967MW	905LS	IMS-2054	PT UT-45°	2 1	 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2055-1	W-P	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	
IMS-2055-2	P-E	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	
IMS-2055-5	E-P	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	
IMS-2055-7	P-E	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	
IMS-2055-10	E-P	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	
IMS-2055-11	P-E	B9.11	MF-2	10	0.719	901LS	IMS-2055	PT UT-45°	2 1	 01-10-01	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
INB-2001-2	F-E	B9.11	MF-2	4	0.438	SA-333	INB-2001	PT UT-45°	2 1	 01-04-04	
INB-2001-3	E-P	B9.11	MF-2	4	0.438	SA-333	INB-2001	PT UT-45°	2 1	 01-04-04	
INB-2001-4	P-R	B9.11	MF-2	4	0.438	SA-333	INB-2001	PT UT-45°	2 1	 01-04-04	

System NB Loop -

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2001-1	V-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-6	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-7	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-8	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-9	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-10	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-11	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-11A	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-11B	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-11C	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-12	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-13	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2001-14A	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-15	P-V	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-16	V-P	B9.11	MF-2	12	1.00	906LS	IRH-2001	PT UT-45°	2 1	 01-12-03	
IRH-2001-18	P-E	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	
IRH-2001-19	E-E	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	
IRH-2001-20	E-V	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	
IRH-2001-21	V-P	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	
IRH-2001-21A	P-P	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	
IRH-2001-22	P-W	B9.11	MF-2	12	0.844	948LS	IRH-2001	PT UT-45°	2 1	 01-12-06	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2002-1	V-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-2	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-3	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-10	P-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-12	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-14	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-16	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-17	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-18	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-19	E-V	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-20	V-V	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	
IRH-2002-21	V-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT UT-45°	2 1	 01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2002-24	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	
IRH-2002-26	E-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	
IRH-2002-27	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	
IRH-2002-38	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	
IRH-2002-39	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	
IRH-2002-40	P-EX	B9.11	MF-2	12	0.844	901LS	IRH-2002	PT	2		
								UT-45°	1	01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2003-2	V-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-6	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-7	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-8	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-9	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-10	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-11	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-12	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-13	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-13A	P-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-14	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	
IRH-2003-15	E-V	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	 01-12-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2003-16	V-V	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-17	V-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-20	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-21	E-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-22	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-24	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-25	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	
IRH-2003-26	P-EX	B9.11	MF-2	12	0.844	901LS	IRH-2003	PT UT-45°	2 1	01-12-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2004-1	V-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-2	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-9	P-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-11	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-12	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-14	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-15	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-15A	P-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-15B	P-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-17	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-18	E-V	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	
IRH-2004-19	V-V	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT UT-45°	2 1	 01-12-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2004-20	V-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-23	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-26	E-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-28	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-39	P-E	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-40	E-P	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	
IRH-2004-42	P-EX	B9.11	MF-2	12	0.844	901LS	IRH-2004	PT	2		
								UT-45°	1	01-12-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2005-2	V-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-8	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-12	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-15	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-16	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-18	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-19	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-20	P-E	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-21	E-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-23	P-V	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-24	V-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	
IRH-2005-24A	P-P	B9.11	MF-2	12	1.00	906LS	IRH-2005	PT UT-45°	2 1	 01-12-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2005-26	E-P	B9.11	MF-3	12	0.844	948LS	IRH-2005	PT UT-45°	2 1	 01-12-06	
IRH-2005-28	P-V	B9.11	MF-3	12	0.844	948LS	IRH-2005	PT UT-45°	2 1	 01-12-06	
IRH-2005-29	[illegible]	B9.11	MF-3	12	0.844	948LS	IRH-2005	PT UT-45°	2 1	 01-12-06	
IRH-2005-30	E-[illegible]	[illegible]11	MF-3	12	0.844	948LS	IRH-2005	PT UT-45°	2 1	 01-12-06	
IRH-2005-33	P-W	B9.11	MF-3	12	0.844	948LS	IRH-2005	PT UT-45°	2 1	 01-12-06	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2022-28	V-P	B9.11	MF-2	6	0.562	901LS	IRH-2022	PT UT-45°	2 1	 01-06-03	
IRH-2022-31	P-V	B9.11	MF-2	6	0.562	901LS	IRH-2022	PT UT-45°	2 1	 01-06-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2031-1	T-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-1ALD	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-1BLD	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-3A	P-V	B9.11	MF-2	20	1.281	901LS	IRH-2031	PT UT-45°	2 1	01-20-04	
IRH-2031-3ALU	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-3BLU	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-4	V-P	B9.11	MF-2	20	1.281	901LS	IRH-2031	PT UT-45°	2 1	01-20-04	
IRH-2031-9	P-V	B9.11	MF-2	20	1.281	901LS	IRH-2031	PT UT-45°	2 1	01-20-04	
IRH-2031-10	V-P	B9.11	MF-2	20	1.281	901LS	IRH-2031	PT UT-45°	2 1	01-20-04	
IRH-2031-13ALD	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-13BLD	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	
IRH-2031-17	E-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	01-20-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2031-17ALU	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-17BLU	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-24	P-E	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-24ALD	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-24BLD	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-30	E-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-30ALU	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-30BLU	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-37	P-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-40	P-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-42	P-E	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-42ALD	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2031-42BLD	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-44	E-P	B9.11	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-44ALU	IALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-44BLU	OALS	B9.12	MF-2	20	1.031	949LS	IRH-2031	PT UT-45°	2 1	 01-20-03	
IRH-2031-57	E-V	B9.11	MF-2	20	1.281	901LS	IRH-2031	PT UT-45°	2 1	 01-20-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2001-1	P-V	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-2	V-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-4	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-5	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-6	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-7	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-8	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-9	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-10	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-11	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-15	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	
IRI-2001-16	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	01-10-03	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2001-17	P-W	B9.31	MF-2	10x4	0.719	901LS	IRI-2001	PT UT-45°	2 1	 01-10-03	
IRI-2001-18	P-E	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	 01-10-03	
IRI-2001-19	E-P	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	 01-10-03	
IRI-2001-20	P-V	B9.11	MF-2	10	0.719	901LS	IRI-2001	PT UT-45°	2 1	 01-10-03	
IRI-2001-21	W-E	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	
IRI-2001-22	E-E	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	
IRI-2001-23	E-P	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	
IRI-2001-24	P-E	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	
IRI-2001-25	E-P	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	
IRI-2001-26	P-V	B9.11	MF-2	4	0.438	901LS	IRI-2001	PT UT-45°	2 1	 01-04-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2002-1	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-2	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-3	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-4	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-5	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-6	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-7	E-V	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-8	V-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-8A	P-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-11	P-F	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-13A	F-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-13	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2002-14	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-15	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-16	E-F	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-18	F-P	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-19	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	
IRI-2002-20	E-F	B9.11	MF-2	6	0.562	901LS	IRI-2002	PT UT-45°	2 1	 01-06-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2003-2	V-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-3	P-T	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-4	T-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-5	E-V	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-6	T-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-7	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-8	P-V	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-9	V-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-10	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-12	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-13	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-14	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2003-15	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-16	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-17	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-18	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-19	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-20	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-21	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-22	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-23	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-24	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-25	E-P	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	
IRI-2003-26	P-E	B9.11	MF-2	6	0.562	901LS	IRI-2003	PT UT-45°	2 1	01-06-03	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-1	P-CR	B9.11	GE-1	24	1.218	--	IRR-2001	PT UT-45°	2 1	01-24-01	
IRR-2001-1LU	LS	B9.12	GR-1	24	1.218	--	IRR-2001	PT UT-45°	2 1	01-24-01	
IRR-2001-1ALD	LS	B9.12	GR-1	24	2.000	--	IRR-2001	PT UT-45°	2 1	01-50-01	
IRR-2001-1BLD	LS	B9.12	GR-1	24	2.000	--	IRR-2001	PT UT-45°	2 1	01-50-01	
IRR-2001-2	CR-P	B9.11	GE-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-2LD	LS	B9.12	GR-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-3	P-SW	B9.31	SW-2	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-4	P-SW	B9.31	SW-2	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-5	P-C	B9.11	GE-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-5LU	LS	B9.12	GR-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-6	CR-P	B9.11	GE-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	
IRR-2001-6LD	LS	B9.12	GR-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	01-12-06	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-7	P-SW	B9.31	SW-2	16	1.031	--	IRR-2001	PT UT-45°	2 1	 01-12-06	
IRR-2001-8	P-SW	B9.31	SW-2	16	1.031	--	IRR-2001	PT UT-45°	2 1	 01-12-06	
IRR-2001-9	P-C	B9.11	GE-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	 01-12-06	
IRR-2001-9LU	LS	B9.12	GR-1	16	1.031	--	IRR-2001	PT UT-45°	2 1	 01-12-06	
IRR-2001-10	SW-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-10LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-10C	P-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-10CLU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-10CLD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-11	P-E	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-11LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-11ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-11BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-12	E-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-12LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-12ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-12BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-13	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2001	PT UT-45°	2 1	01-12-09	
IRR-2001-13LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-14	SW-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-14LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-14C	P-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-14CLD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-14CLU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-15	P-E	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-15LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-15ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-15BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-16	E-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-16LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-16ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-16BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-17	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2001	PT UT-45°	2 1	01-12-09	
IRR-2001-17LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-18	CR-R	B9.11	GE-1	24	1.531	--	IRR-2001	PT UT-45°	2 1	01-24-07	
IRR-2001-18A	R-P	B9.12	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-18ALD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-18ALU	LS	B9.12	GR-1	24	2.00	--	IRR-2001	PT UT-45°	2 1	01-50-01	
IRR-2001-18BLU	LS	B9.12	GR-1	24	2.00	--	IRR-2001	PT UT-45°	2 1	01-50-01	
IRR-2001-19	P-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-19LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-19LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-20	P-E	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-20LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-20ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-20BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-21	E-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-21LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-21ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-21BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-22	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2001	PT UT-45°	2 1	 01-12-09	
IRR-2001-23	SW-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-23LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-23B	P-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-23BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-23BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-24	P-E	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-24LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-24ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-24BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-25	E-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-25LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-25ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-25BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-26	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2001	PT UT-45°	2 1	01-12-09	
IRR-2001-26LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-27	SW-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-27LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-27B	P-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-27BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-27BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	
IRR-2001-28	P-E	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2001-28LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-28ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-28BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-29	E-P	B9.11	GE-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-29LD	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-29ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-29BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	
IRR-2001-30	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2001	PT UT-45°	2 1	 01-12-09	
IRR-2001-30LU	LS	B9.12	GR-1	12	0.688	--	IRR-2001	PT UT-45°	2 1	 01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2002-1	PU-P	B9.11	GE-2	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-1LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-3	P-W	B9.31	GE-1	24x4	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-4	W-P	B9.11	GE-1	4	0.337	--	IRR-2002	PT UT-45°	2 1	 01-04-05	
IRR-2002-5	P-F	B9.11	GE-1	4	0.337	--	IRR-2002	PT UT-45°	2 1	 01-04-05	
IRR-2002-7	P-V	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-7LU	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-11	V-P	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-11LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-12	P-E	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-12LU	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-12ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	 01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2002-12BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	
IRR-2002-14	E-P	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-14ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	
IRR-2002-14BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	
IRR-2002-14LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-15	P-V	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-15LU	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-16	V-E	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-16ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	
IRR-2002-16BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	
IRR-2002-17	E-P	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	01-24-01	
IRR-2002-17ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2002-17BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2002	PT UT-45°	2 1	 01-24-07	
IRR-2002-17LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-18	P-P	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-18LU	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-18LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-19	P-W	B9.31	GE-1	12x24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-20	P-P	B9.11	GE-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-20LD	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	
IRR-2002-20LU	LS	B9.12	GR-1	24	1.218	--	IRR-2002	PT UT-45°	2 1	 01-24-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2003-1	SE-P	B9.11	GE-3	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-1LD	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-2	P-E	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-2LU	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-2ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-2BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-3	E-P	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-3LD	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-3ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-3BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-4	P-P	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-4LD	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2003-4LU	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-6	P-T	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-6LU	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-6ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-6BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-7	T-P	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-7ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-7BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-7LD	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-11	P-E	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-11LU	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-11ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2003-11BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-16	E-V	B9.11	GE-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-16ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-16BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	01-24-07	
IRR-2003-17	V-P	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-17LD	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-18	P-W	B9.31	GE-1	24x4	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-19	W-P	B9.11	GE-1	4	0.337	--	IRR-2003	PT UT-45°	2 1	01-04-05	
IRR-2003-20	P-F	B9.11	GE-1	4	0.337	--	IRR-2003	PT UT-45°	2 1	01-04-05	
IRR-2003-24	P-W	B9.31	GE-1	24x4	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-30	P-E	B9.11	GE-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	
IRR-2003-30LU	LS	B9.12	GR-1	24	0.969	--	IRR-2003	PT UT-45°	2 1	01-24-08	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2003-30ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	 01-24-07	
IRR-2003-30BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	 01-24-07	
IRR-2003-31	E-PU	B9.11	GE-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	 01-24-07	
IRR-2003-31ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	 01-24-07	
IRR-2003-31BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2003	PT UT-45°	2 1	 01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-1	P-CR	B9.11	GE-1	24	1.218	--	IRR-2005	PT UT-45°	2 1	01-24-01	
IRR-2005-1LU	LS	B9.12	GR-1	24	1.218	--	IRR-2005	PT UT-45°	2 1	01-24-01	
IRR-2005-1ALD	IALS	B9.12	GR-1	24		--	IRR-2005	PT UT-45°	2 1	01-50-01	
IRR-2005-1BLD	OALS	B9.12	GR-1	24		--	IRR-2005	PT UT-45°	2 1	01-50-01	
IRR-2005-2	CR-P	B9.11	GE-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-2LD	LS	B9.12	GR-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-3	P-SW	B9.31	SW-2	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-4	P-SW	B9.31	SW-2	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-5	P-C	B9.11	GE-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-5LU	LS	B9.12	GR-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-6	CR-P	B9.11	GE-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-6LD	LS	B9.12	GR-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-7	P-SW	B9.31	SW-2	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-8	P-SW	B9.31	SW-2	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-9	P-C	B9.11	GE-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-9LU	LS	B9.12	GR-1	16	1.031	--	IRR-2005	PT UT-45°	2 1	01-12-06	
IRR-2005-10	SW-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-10LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-10B	P-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-10BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-10BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-11	P-E	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-11LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-11ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-11BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-12	E-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-12LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-12ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-12BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-13	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2005	PT UT-45°	2 1	01-12-09	
IRR-2005-13LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-14	SW-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-14LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-14B	P-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-14BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-14BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-15	P-E	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-15LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-15ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-15BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-16	E-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-16LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-16ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-16BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-17	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2005	PT UT-45°	2 1	 01-12-09	
IRR-2005-17LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-18	CR-R	B9.11	GE-2	12	1.218	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-18ALU	LS	B9.12	GR-1	24		--	IRR-2005	PT UT-45°	2 1	 01-50-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-18BLU	LS	B9.12	GR-1	24		--	IRR-2005	PT UT-45°	2 1	01-50-01	
IRR-2005-19	R-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-19LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-19B	P-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-19BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-19BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-20	P-E	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-20LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-20ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-20BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-21	E-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-21LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-21ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-21BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-22	P-SE	B9.11	GE-3	12	0.688/ 0.935	--	IRR-2005	PT UT-45°	2 1	 01-12-09	
IRR-2005-22LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-23	SW-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-23LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-23B	P-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-23BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-23BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-24	P-E	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-24LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-24ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-24BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-25	E-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-25LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-25ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-25BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-26	P-SE	B9.11	GE-1	12	0.688/ 0.935	--	IRR-2005	PT UT-45°	2 1	01-12-09	
IRR-2005-26LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-27	SW-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-27LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-27B	P-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-27BLD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	
IRR-2005-27BLU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	01-12-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2005-28	P-E	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-28LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-28ALD	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-28BLD	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-29	E-P	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-29ALU	IALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-29BLU	OALS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-29LD	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	
IRR-2005-30	P-SE	B9.11	GE-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-09	
IRR-2005-30LU	LS	B9.12	GR-1	12	0.688	--	IRR-2005	PT UT-45°	2 1	 01-12-07	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2006-1	PU-P	B9.11	GE-2	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-1LD	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-3	P-W	B9.31	GE-1	24x4	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-4	W-P	B9.11	GE-1	4	0.337	--	IRR-2006	PT UT-45°	2 1	01-04-05	
IRR-2006-5	P-F	B9.11	GE-1	4	0.337	--	IRR-2006	PT UT-45°	2 1	01-04-05	
IRR-2006-7	P-V	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-7LU	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-8	V-P	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-8LD	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-9	P-E	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-9LU	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-9ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2006-9BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-10	E-P	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-10LD	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-10ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-10BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-11	P-V	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-11LU	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-12	V-E	B9.11	GE-2	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-12ALD	IALS	B9.12	GR-1	24	1 531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-12BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	
IRR-2006-13	E-P	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	01-24-01	
IRR-2006-13ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	01-24-07	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2006-13BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2006	PT UT-45°	2 1	 01-24-07	
IRR-2006-14	P-P	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-14LD	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-14LU	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-15	P-W	B9.31	GE-1	12x24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-16	P-P	B9.11	GE-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-16LD	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	
IRR-2006-16LU	LS	B9.12	GR-1	24	1.218	--	IRR-2006	PT UT-45°	2 1	 01-24-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2007-1	SE-P	B9.11		24	1.46/ 0.969	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-1LD	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-2	P-E	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-2LU	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-2ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-2BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-3	E-P	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-3ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-3BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-3LD	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-4	P-P	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-4LU	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2007-4LD	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-9	P-E	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-9LU	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-9ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-9BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-14	E-V	B9.11	GE-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-14ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-14BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	01-24-07	
IRR-2007-15	V-P	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-15A	P-P	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-15ALD	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	
IRR-2007-16	P-W	B9.31	GE-1	24x4	0.969	--	IRR-2007	PT UT-45°	2 1	01-24-08	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2007-17	W-P	B9.11	GE-1	4	0.337	--	IRR-2007	PT UT-45°	2 1	 01-04-05	
IRR-2007-18	P-F	B9.11	GE-1	4	0.337	--	IRR-2007	PT UT-45°	2 1	 01-04-05	
IRR-2007-22	P-W	B9.11	GE-1	24x4	0.969	--	IRR-2007	PT UT-45°	2 1	 01-24-08	
IRR-2007-28	P-E	B9.11	GE-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	 01-24-08	
IRR-2007-28ALD	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	 01-24-07	
IRR-2007-28BLD	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	 01-24-07	
IRR-2007-28LU	LS	B9.12	GR-1	24	0.969	--	IRR-2007	PT UT-45°	2 1	 01-24-08	
IRR-2007-29	E-PU	B9.11	GE-2	24	1.531	--	IRR-2007	PT UT-45°	2 1	 01-24-07	
IRR-2007-29ALU	IALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	 01-24-07	
IRR-2007-29BLU	OALS	B9.12	GR-1	24	1.531	--	IRR-2007	PT UT-45°	2 1	 01-24-07	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2009-1	W-E	B9.11	GE-1	4	0.337	949LS	IRR-2009	PT UT-45°	2 1	 01-04-05	
IRR-2009-2	E-P	B9.11	GE-1	4	0.337	949LS	IRR-2009	PT UT-45°	2 1	 01-04-05	
IRR-2009-6	P-E	B9.11	GE-1	4	0.337	949LS	IRR-2009	PT UT-45°	2 1	 01-04-05	
IRR-2009-7	E-P	B9.11	GE-1	4	0.337	949LS	IRR-2009	PT UT-45°	2 1	 01-04-05	
IRR-2009-8	P-E	B9.11	GE-1	4	0.337	949LS	IRR-2009	PT UT-45°	2 1	 01-04-05	
IRR-2009-12	P-V	B9.11	GE-1	4	0.438	901LS	IRR-2009	PT UT-45°	2 1	 01-04-04	
IRR-2009-13	V-P	B9.11	GE-1	4	0.438	901LS	IRR-2009	PT UT-45°	2 1	 01-04-04	
IRR-2009-15	P-R	B9.11	GE-1	4	0.438	901LS	IRR-2009	PT UT-45°	2 1	 01-04-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2010-1	W-E	B9.11	GE-1	4	0.337	949LS	IRR-2010	PT UT-45°	2 1	01-04-05	
IRR-2010-3	E-P	B9.11	GE-1	4	0.337	949LS	IRR-2010	PT UT-45°	2 1	01-04-05	
IRR-2010-8	P-E	B9.11	GE-1	4	0.337	949LS	IRR-2010	PT UT-45°	2 1	01-04-05	
IRR-2010-12	E-V	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-13	V-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-14	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-15	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-17	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-18	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-18A	P-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-21	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-22	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRR-2010-24	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-29	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-29A	P-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-30	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-33	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-36	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-41	E-P	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-42	P-E	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	
IRR-2010-43	E-R	B9.11	GE-1	4	0.438	901LS	IRR-2010	PT UT-45°	2 1	01-04-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001-3	R-T	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-5	R-T	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-6	T-V	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-7	V-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-8	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-9	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-10	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-11	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-12	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-12A	P-T	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-12B	T-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-13	T-P	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001-14	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-15	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-16	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-18	P-F	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-18C	F-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-18D	P-F	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-19	F-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-20	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-21	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-22	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-23	E-V	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	
IRT-2001-24	V-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	01-06-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001-25	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-26	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-27	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-28	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-29	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-30	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-31	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-32	E-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-33	E-P	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-37	P-E	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-38	E-V	B9.11	MF-2	6	0.562	901LS	IRT-2001	PT UT-45°	2 1	 01-06-03	
IRT-2001-40	P-V	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	 01-04-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001-41	V-P	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-42	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-43	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-46	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-47	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-48	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-49	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	
IRT-2001-50	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001	PT UT-45°	2 1	01-04-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001A-51	T-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-52	T-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-53	P-R	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-54	P-T	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-55	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-56	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-57	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-58	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-59	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-60	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-61	E-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	
IRT-2001A-62	P-E	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-J

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRT-2001A-63	R-P	B9.11	MF-2	4	0.438	901LS	IRT-2001A	PT UT-45°	2 1	01-04-04	

System RT Loop --

GE-I4 Rev. 1

ASME SECTION XI CATEGORY B-K-1

COMPONENT TO BE INSPECTED:

Integral attachments for piping, pumps, and valves

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include integrally welded attachments to piping, pumps and valves as shown by ASME Section XI, Figures IWB-2500-13, IWB-2500-14, and IWB-2500-15.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that the integrally welded attachments whose attachment base material design thickness for piping required to be examined by Examination Category B-J and the integrally welded attachments of associated pumps and valves integral to such piping are examined per ASME Section XI, Table IWB-2412-1.

METHOD OF EXAMINATION(S):

Ultrasonic or Liquid Penetrant as applicable

REMARKS:

Specific components to be inspected are not included; however, a sample form is included to show format.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-K-1

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
--	NA	B10.10	--	--	--	--	--	PT	2	NA	Sample

System _____ Loop _____ Page Of

ASME SECTION XI CATEGORY B-L-1

COMPONENT TO BE INSPECTED:

Pressure retaining welds in pump casings.

AREAS SUBJECT TO EXAMINATIONS:

The areas to be examined shall include the weld metal and the base metal for 1/2 inch beyond the edge of the weld as shown by ASME Section XI, Figure IWB-2500-16.

EXTENT AND FREQUENCY OF EXAMINATIONS:

METHOD OF EXAMINATION(S):

REMARKS:

There are no ASME Class 1 pumps at LaSalle County Nuclear Station with pressure retaining welds in the casings. All pumps are of a one piece casting design.

ASME SECTION XI CATEGORY B-L-2

COMPONENT TO BE INSPECTED:

Pump casing

AREAS SUBJECT TO EXAMINATIONS:

The areas subject to examination on pump casings shall include the internal pressure boundary surfaces.

EXTENT AND FREQUENCY OF EXAMINATIONS:

One pump in each of the group of pumps performing similar functions in the system shall be examined during each inspection interval. This examination may be performed on the same pump selected for the Category B-L-1 examinations.

The examinations may be performed at or near the end of the inspection interval.

METHOD OF EXAMINATION(S):

Visual

REMARKS:

See Relief Request RI-13.

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-L-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2B33-C001A	PU	B12.20	NA	NA	NA	IRR-2002	VT	4	
2B33-C001B	PU	B12.20	NA	NA	NA	IRR-2006	VT	4	

System RR Loop --

GE-I1 Rev.1

ASME SECTION XI CATEGORY B-M-1

COMPONENT TO BE INSPECTED:

Pressure retaining welds in valve bodies.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the weld metal and the base metal for 1/2 inch beyond the edge of the weld as shown by ASME Section XI Figure IWB-2500-17.

EXTENT AND FREQUENCY OF EXAMINATIONS:

METHOD OF EXAMINATION(S):

REMARKS:

There are no ASME Class 1 valves at LaSalle County Nuclear Station with pressure retaining welds in the bodies. All valves are of a one piece casting design.

ASME SECTION XI CATEGORY B-M-2

COMPONENT TO BE INSPECTED:

Valve bodies

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the internal pressure boundary surfaces, on valves exceeding four inches nominal pipe size.

EXTENT AND FREQUENCY OF EXAMINATIONS:

One valve in each group of valves of the same constructional design, (e.g., globe, gate, or check valve), manufacturing method, and that perform similar functions in the system shall be examined during each inspection interval.

The examinations may be performed at or near the end of the inspection interval.

METHOD OF EXAMINATION(S):

Visual

REMARKS:

See Relief Request RI-14.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-M-2

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2B21-F011A	FW-1	B12.40	24	Gate	Cast CS	Anchor Darling	IFW-2004	VT	4	
2B21-F011B	FW-1	B12.40	24	Gate	Cast CS	Anchor Darling	IFW-2005	VT	4	
2B21-F010A	FW-2	B12.40	24	Check	Cast CS	Anchor Darling	IFW-2004	VT	4	
2B21-F032A	FW-2	B12.40	24	Check	Cast CS	Anchor Darling	IFW-2004	VT	4	
2B21-F010B	FW-2	B12.40	24	Check	Cast CS	Anchor Darling	IFW-2005	VT	4	
2B21-F032B	FW-2	B12.40	24	Check	Cast CS	Anchor Darling	IFW-2005	VT	4	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-M-2

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2E22-F004	HP-1	B12.40	12	Gate	Cast CS	Anchor Darling	IHP-2001	VT	4	
2E22-F038	HP-1	B12.40	12	Gate	Cast CS	Anchor Darling	IHP-2001	VT	4	
2E22-F005	HP-2	B12.40	12	Check	Cast CS	Anchor Darling	IHP-2001	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2E21-F005	LP-1	B12.40	12	Gate	Cast CS	Anchor Darling	ILP-2001	VT	4	
2E21-F051	LP-1	B12.40	12	Gate	Cast CS	Anchor Darling	ILP-2001	VT	4	
2E21-F006	LP-2	B12.40	12	Check	Cast CS	Anchor Darling	ILP-2001	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2B21-F013B	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2001	VT	4	
2B21-F013J	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2001	VT	4	
2B21-F013P	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2001	VT	4	
2B21-F013V	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2001	VT	4	
2B21-F013D	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2002	VT	4	
2B21-F013F	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2002	VT	4	
2B21-F013K	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2002	VT	4	
2B21-F013S	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2002	VT	4	
2B21-F013M	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2002	VT	4	
2B21-F013C	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2003	VT	4	
2B21-F013E	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2003	VT	4	
2B21-F013R	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2003	VT	4	
2B21-F013L	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2003	VT	4	
2B21-F013N	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2003	VT	4	
2B21-F013A	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2004	VT	4	
2B21-F013H	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2004	VT	4	
2B21-F013G	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2004	VT	4	
2B21-F013U	MS-1	B12.40	8x10	Relief	Cast CS	Crosby	IMS-2004	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2B21-F022A	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2051	VT	4	
2B21-F028A	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2051	VT	4	
2B21-F022B	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2052	VT	4	
2B21-F028B	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2052	VT	4	
2B21-F022C	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2053	VT	4	
2B21-F028C	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2053	VT	4	
2B21-F022D	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2054	VT	4	
2B21-F028D	MS-2	B12.40	26	Stop	Cast CS	Rockwell	IMS-2054	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2E12-F092A	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2003	VT	4	
2E12-F092B	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2002	VT	4	
2E12-F092C	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2004	VT	4	
2E12-F042A	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2003	VT	4	
2E12-F042B	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2002	VT	4	
2E12-F042C	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2004	VT	4	
2E12-F090A	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2005	VT	4	
2E12-F090B	RH-1	B12.40	12	Gate	Cast CS	Anchor Darling	IRH-2001	VT	4	
2E12-F053A	RH-2	B12.40	12	Globe	Cast CS	Rockwell	IRH-2005	VT	4	
2E12-F053B	RH-2	B12.40	12	Globe	Cast CS	Rockwell	IRH-2001	VT	4	
2E12-F008	RH-3	B12.40	20	Gate	Cast CS		IRH-2031	VT	4	
2E12-F009	RH-3	B12.40	20	Gate	Cast CS		IRH-2031	VT	4	
2E12-F020	RH-3	B12.40	20	Gate	Cast CS		IRH-2031	VT	4	
2E12-F041A	RH-4	B12.40	12	Check	Cast CS	Anchor Darling	IRH-2003	VT	4	
2E12-F041B	RH-4	B12.40	12	Check	Cast CS	Anchor Darling	IRH-2002	VT	4	
2E12-F041C	RH-4	B12.40	12	Check	Cast CS	Anchor Darling	IRH-2004	VT	4	
2E12-F050A	RH-4	B12.40	12	Check	Cast CS	Anchor Darling	IRH-2005	VT	4	
2E12-F050B	RH-4	B12.40	12	Check	Cast CS	Anchor Darling	IRH-2001	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2E51-F063	RI-1	B12.40	10	Gate	Cast CS	Anchor Darling	IRI-2001	VT	4	
2E51-F064	RI-1	B12.40	10	Gate	Cast CS	Anchor Darling	IRI-2001	VT	4	
2E51-F013	RI-2	B12.40	6	Gate	Cast CS		IRI-2003	VT	4	
2E51-F065	RI-3	B12.40	6	Check	Cast CS	Anchor Darling	IRI-2003	VT	4	
2E51-F066	RI-3	B12.40	6	Check	Cast CS	Anchor Darling	IRI-2002	VT	4	
2E12-F019	RI-3	B12.40	6	Check	Cast CS	Anchor Darling	IRH-2022	VT	4	Ties in with RHR
2E12-F023	RI-4	B12.40	6	Globe	Cast CS	Anchor Darling	IRH-2022	VT	4	Ties in with RHR

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2B33-F067A	RR-1	B12.40	24	Gate	Cast SS	Atwood-Morral	IRR-2002	VT	4	
2B33-F023A	RR-1	B12.40	24	Gate	Cast SS	Atwood-Morral	IRR-2003	VT	4	
2B33-F067B	RR-1	B12.40	24	Gate	Cast SS	Atwood-Morral	IRR-2006	VT	4	
2B33-F023B	RR-1	B12.40	24	Gate	Cast SS	Atwood-Morral	IRR-2007	VT	4	
2B33-F060A	RR-2	B12.40	24	Ball	Cast SS	Hammerhill-Dahl	IRR-2002	VT	4	
2B33-F060B	RR-2	B12.40	24	Ball	Cast SS	Hammerhill-Dahl	IRR-2006	VT	4	

00 VALVE NO.	01 GROUP	02 ITEM NO.	03 SIZE	04 VALVE DESIGN	05 MANUFACTURING METHOD	06 MANUFACTURER	07 DWG. NO.	08 EXAM TYPE	09 PROC NO.	10 REMARKS
2G33-F001	RT-1	B12.40	6	Gate	Cast CS	Anchor Darling	IRT-2001	VT	4	
2G33-F004	RT-1	B12.40	6	Gate	Cast CS	Anchor Darling	IRT-2001	VT	4	
2G33-F102	RT-2	B12.40	6	Globe	Cast CS	Rockwell	IRT-2001	VT	4	

ASME SECTION XI CATEGORY B-N-1

COMPONENT TO BE INSPECTED:

Interior of reactor vessel

AREAS SUBJECT TO EXAMINATIONS:

The area shall include the space above and below the reactor core that is made accessible for examination by the removal of components during normal refueling outages.

EXTENT AND FREQUENCY OF EXAMINATIONS:

The examinations shall be performed at the first refueling outage and subsequent refueling outages at approximately three (3) year intervals.

METHOD OF EXAMINATION(S):

Visual VT-3, by use of binoculars

REMARKS:

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-N-1

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2 - Steam Separator	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Steam Dryer	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Dryer Support Pads	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Dryer Guide Rods	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Core Spray Lines	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Core Spray Spargers	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Feedwater Spargers	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Top Guide	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Jet Pump Components	NA	B13.10	NA	NA	NA	NA	VT	5	
2-Jet Pump Hold Down Assembly and Bolts	NA	B13.10	NA	NA	NA	NA	VT	5	
2 - Shroud Head Assembly	NA	B13.10	NA	NA	NA	NA	VT	5	

INSERVICE INSPEC

LASALLE COUNTY

Vol 2

INSERVICE INSPECTION PROGRAM

LA SALLE COUNTY STATION

UNIT 2

COMMONWEALTH EDISON COMPANY

OCTOBER 29, 1982

PREPARED BY

GENERAL ELECTRIC COMPANY

APPARATUS & ENGINEERING SERVICES

INSERVICE INSPECTION PROGRAM

TABLE OF CONTENTS

Description	Tab
Table of Contents	1
Inservice Inspection Program Description	2
System Abbreviations	3
Component Figuration Abbreviations	4
Component and Piping Line Number Table: CPLN	5
Relief Request	6
ASME Class 1 Categories	
ASME Category B-A	7
ASME Category B-B	8
ASME Category B-D	9
ASME Category B-E	10
ASME Category B-F	11
ASME Category B-G-1	12
ASME Category B-G-2	13
ASME Category B-H	14
ASME Category B-J	15
ASME Category B-K-1	16
ASME Category B-L-1	17
ASME Category B-L-2	18
ASME Category B-M-1	19
ASME Category B-M-2	20
ASME Category B-N-1	21

TABLE OF CONTENTS

Description

ASME Category B-N-2 22

ASME Category B-N-3 23

ASME Category B-O 24

ASME Category B-P 25

ASME Category B-Q 26

ASME Class 2 Categories

ASME Category C-A 27

ASME Category C-B 28

ASME Category C-C 29

ASME Category C-D 30

ASME Category C-F 31

ASME Category C-G 32

ASME Category C-H 33

ASME Class 3 Components 34

ASME Component Supports 35

Augumented Inservice Inspection 36

Material Specifications 37

LSCS - UT Calibration Standards 38

Weld Type Drawings 39

ISI Drawings 40

ASME Class 1 Bolting Details 41

NDE Procedures 42

ASME SECTION XI CATEGORY B-N-2

COMPONENT TO BE INSPECTED:

Integrally welded core-support structures and interior attachments to reactor vessels

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include accessible interior attachment welds and accessible core support structure surfaces.

EXTENT AND FREQUENCY OF EXAMINATIONS:

The examinations during each inspection interval shall include 100% of the visually accessible interior attachment welds and visually accessible core support structure surfaces. The examinations may be deferred until at or near the end of the inspection interval.

METHOD OF EXAMINATION(S):

Visual VT-1, by use of TV Cameras

REMARKS:

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category B-N-2

00 EXAM/COMP. ID NO.	01 COMP FIG.	02 ITEM NO.	03 MAT.SPEC.	04 SIZE	05 CAL. STD. NO.	06 DWG. NO.	07 EXAM TYPE	08 PROCEDURE NO.	09 REMARKS
2 - Surveillance Sample Baskets	NA	B13.20	NA	NA	NA	NA	VT	4	
2 - Shroud Support Weld	NA	B13.20	NA	NA	NA	NA	VT	4	
2-Incore Housing to Incore Guide Tube Welds	NA	B13.20	NA	NA	NA	NA	VT	4	
2-CRD Housing to Stub Tube Welds	NA	B13.20	NA	NA	NA	NA	VT	4	
2 - Shroud	NA	B13.21	NA	NA	NA	NA	VT	4	
2 - Shroud Support Plate	NA	B13.21	NA	NA	NA	NA	VT	4	
2-Jet Pump Beam Boltkeeper Welds	NA	B13.20	NA	NA	NA	NA	VT	4	
2-Jet Pump Adaptor to Shroud Support Welds	NA	B13.20	NA	NA	NA	NA	VT	4	
2-Core Plate Hold Down Bolts	NA	B13.21	NA	NA	NA	NA	VT	4	
2-Core Delta P& SBLC PipingWelds	NA	B13.20	NA	NA	NA	NA	VT	4	
2 - Fuel Supports	NA	B13.21	NA	NA	NA	NA	VT	4	

System RPV Loop --

ASME SECTION XI CATEGORY B-N-3

COMPONENT TO BE INSPECTED:

Removable core support structures

AREAS SUBJECT TO EXAMINATIONS:

EXTENT AND FREQUENCY OF EXAMINATIONS:

METHOD OF EXAMINATION(S):

REMARKS:

The reactor vessel at LaSalle County Nuclear Station is a boiling water reactor containing no removable core support structures. Therefore Category B-N-3 does not apply.

ASME SECTION XI CATEGORY B-O

COMPONENT TO BE INSPECTED:

Pressure retaining welds in control rod housings

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include the weld metal and base metal for one-half inch beyond the edge of the weld as shown by ASME Section XI, Figure IWB-2500-18.

EXTENT AND FREQUENCY OF EXAMINATIONS:

The examinations performed during each inspection interval shall include 100% of the welds in 10% of the peripheral CRD housings. The examinations may be deferred until at or near the end of the inspection interval.

METHOD OF EXAMINATION(S):

REMARKS:

Ultrasonic examination of Category B-O welds is not part of this ISI Program. These welds are exempted from examination ASME Section XI 1980 Edition through Winter 1980 Addenda, Paragraph IWB-1220(a).

ASME SECTION XI CATEGORY B-P

COMPONENT TO BE INSPECTED:

All pressure retaining components

AREAS SUBJECT TO EXAMINATIONS:

The areas of examination during the system leakage test shall correspond to the reactor coolant system boundary with all valves in the normal position which is required for normal reactor operation startup. The VT-2 examination shall, however, extend to and include the second closed valve at the boundary extremity.

The areas of examination during the system hydrostatic test shall include all Class 1 components within the system boundary.

EXTENT AND FREQUENCY OF EXAMINATIONS:

The components shall be subjected to and examined during (a) a system leakage test prior to startup following each refueling outage and (b) a system hydrostatic pressure test during each inspection interval. The hydrostatic pressure test may be deferred until the end of the inspection interval.

METHOD OF EXAMINATION(S):

Visual VT-2

REMARKS:

See the Component and Piping Line Number Table (CPLN) for the Class 1 Category B-P components.

ASME SECTION XI CATEGORY B-Q

COMPONENT TO BE INSPECTED:

Steam generator tubing

AREAS SUBJECT TO EXAMINATIONS:

EXTENT AND FREQUENCY OF EXAMINATIONS:

METHOD OF EXAMINATION(S):

REMARKS:

There are no ASME Class 1 steam generators at LaSalle County Nuclear Station.

ASME SECTION XI CATEGORY C-A

COMPONENT TO BE INSPECTED:

Pressure retaining welds in pressure vessels.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include essentially 100% of the weld length of each of the shell circumferential welds at gross structural discontinuities[1], the head-to-shell circumferential weld, and tubesheet-to-shell welds. This shall include the weld metal and base metal beyond the weld edge as required by ASME Section XI, Figures IWC-2500-1 and IWC-2500-2.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds [2,3] are examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Ultrasonic

REMARKS:

1) Gross structural discontinuity is defined in NB-3213.2. Examples are junctions between shells of different thicknesses, cylindrical shell-to-conical shell junctions, and shell (or head)-to-flange welds and head-to-shell welds.

2) In the case of multiple vessels of similar design, size, and service (such as steam generators, heat exchangers) the required examinations may be limited to one vessel or distributed among the vessels.

3) The vessel areas selected for the initial examination shall be re-examined over the service lifetime of the component.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-A

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2A-2	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2A-3	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2A-4	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HXA2-5	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	

System RH Loop A

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-A

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2A-5	C1.10	RH-1	SA-516	1.18	01-91-06 01-91-06 01-91-06	0-360	169.6	GEL-1111	UT-0° UT-45° UT-60°	6 6 6	
IRH-HX2A-6	C1.30	RH-1	SA-516	1.18	01-91-06 01-91-06 01-91-06	0-360	169.6	GEL-1111	UT-0° UT-45° UT-60°	6 6 6	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2B-2	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2B-3	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2B-4	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0.360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2B-5	C1.10	RH-1	SA-516	0.81	01-91-07	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
				1.18	01-91-06	0-360	169.6	GEL-1111	UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2B-5	C1.10	RH-1	SA-516	0.81	01-91-07 01-91-07 01-91-07	0-360	169.6	GEL-1111	UT-0° UT-45° UT-60°	6 6 6	
IRH-HX2B-6	C1.30	RH-1	SA-516	1.18	01-91-06 01-91-06 01-91-06	0-360	169.6	GEL-1111	UT-0° UT-45° UT-60°	6 6 6	

ASME SECTION XI CATEGORY C-B

COMPONENT TO BE INSPECTED:

Pressure retaining nozzle welds in vessels.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include 100% of the weld length of all nozzles at terminal ends[1] of piping runs[2]. This shall include the weld metal, the base metal beyond the weld edge, and the nozzle inside radius section as required by ASME Section XI, Figures IWC-2500-3 and IWC-2500-4.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds [3,4] are examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Liquid Penetrant, for nozzles in vessels < 1/2 inch nominal thickness.
Liquid Penetrant and Ultrasonic, for nozzle-to-shell (or head) weld, in vessels > 1/2 inch nominal thickness.
Ultrasonic, for nozzle inside radius section, in vessels > 1/2 inch nominal thickness.

REMARKS:

1) Includes nozzles welded to or integrally cast in vessels that connect to piping runs (manways and handholes are excluded).

2) Includes only those piping runs selected for examination under Examination Category C-F.

3) The nozzles selected initially for examination shall be re-examined over the service lifetime of the component.

4) In the case of multiple vessels of similar design, size, and service (such as steam generators, heat exchangers), the required examinations may be limited to one vessel or distributed among the vessels.

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-B

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2A-1	C2.21	RH-2	SA-516	1.18		0-360	75.4	GEL-1111	PT	2	
					01-91-07				UT-0°	6	
					01-91-07				UT-45°	6	
					01-91-07				UT-60°	6	
IRH-HX2A-7	C2.21	RH-3	SA-516	1.18		0-360	169.6	GEL-1111	PT	2	
					01-91-06				UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	

System RH Loop A

GE-I3 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-B

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2B-1	C2.21	RH-2	SA-516	1.18		0-360	75.4	GEL-1111	PT	2	
					01-91-06				UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	
IRH-HX2B-7	C2.21	RH-3	SA-516	1.18		0-360	169.6	GEL-1111	PT	2	
					01-91-06				UT-0°	6	
					01-91-06				UT-45°	6	
					01-91-06				UT-60°	6	

System RH Loop B

ASME SECTION XI CATEGORY C-C

COMPONENT TO BE INSPECTED:

Integrally welded attachments[1] to pressure vessels[2], piping[4], pumps[4], and valves[4].

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include 100% of the weld length of each welded attachment. This shall include the weld metal and base metal beyond the weld edge as required by ASME Section XI, Figure IWC-2500-5.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the required areas of each welded [2,3] attachment are examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Liquid Penetrant

REMARKS:

1) Limited to integrally welded attachments whose base material design thickness is 3/4 in. or greater.

2) In case of multiple vessels of similar design and service, the required examinations may be conducted on only one vessel. Where multiple vessels are provided with a number of similar attachments, the examination of the attachments may be distributed among the vessels.

3) The areas selected for the initial examination shall be re-examined over the service lifetime of the component.

4) Limited to attachments of those components required to be examined under Examination Categories C-F and C-G.

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2A-8A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-8B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-8C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-8D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-9A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-9B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-9C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-9D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-10A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-10B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-10C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-10D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-11A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-11B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-11C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-11D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-12A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	

System RH Loop A

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2A-12B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-12C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-12D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-13A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-13B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-13C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2A-13D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2B-8A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-8B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-8C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-8D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-9A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-9B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-9C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-9D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-10A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-10B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-10C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-10D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-11A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-11B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-11C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-11D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-12A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-HX2B-12B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-12C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-12D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-13A	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-13B	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-13C	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	
IRH-HX2B-13D	C3.10	NA	NA		NA	NA	NA	GEL-1111	PT	2	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IHP-2005-32	C3.40		105LS		NA	NA	44	IHP-2005	PT	2	

System HP Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IHP-2007-3	C3.40		105LS		NA		75.4	IHP-2007	PT	2	

System HP Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IHP-2014-11	C3.40	FH-1	141		NA		75.4	IHP-2014	PT	2	

System HP Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
1LP-2003-3	C3.40		105LS		NA		75.4	ILP-2003	PT	2	

System LP Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
ILP-2012-9	C3.40		105LS		NA		44	ILP-2012	PT	2	

System LP Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For C-C
ASME Section XI Examination Category _____

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2008-46	C3.40		307LS		NA		50.25	IRH-2008	PT	2	

System RH Loop B

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2010-6	C3.40		105LS		NA		75.4	IRH-2010	PT	2	

System RH Loop A

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2011-11	C3.40		105LS		NA		75.4	IRH-2011	PT	2	

System RH Loop B

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2016-6	C3.40		105LS		NA		75.4	IRH-2016	PT	2	

System RH Loop C

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2021-1A	C3.40		307LS		NA		50.25	IRH-2021	PT	2	

System RH Loop A2

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2024-5	C3.40		105LS		NA		56.5	IRH-2024	PT	2	

System RH Loop C4

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2027-23	C3.40		105LS		NA		56.5	IRH-2027	PT	2	

System RH Loop C4

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2030-20	C3.40		105LS		NA		50.25	IRH-2030	PT	2	

System RH Loop A4

GF-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2032-27	C3.40		307LS		NA		25.12	IRH-2032	PT	2	

System RH Loop A4

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2038-16	C3.40		105LS		NA		50.25	IRH-2038	PT	2	

System RH Loop C4

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2045-21	C3.40		306LS		NA		25.12	IRH-2045	PT	2	

System RH Loop B6

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRH-2048-20	C3.40		306LS		NA		25.12	IRH-2048	PT	2	

System RH Loop A6

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2004-5	C3.40		105LS		NA		25.12	IRI-2004	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2005-16	C3.40		903LS		NA		18.9	IRI-2005	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2013-2	C3.40		105LS		NA		18.9	IRI-2013	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2016-5	C3.40		903LS		NA		31.4	IRI-2016	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2018-3	C3.40		903LS		NA		31.4	IRI-2018	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2020-8	C3.40		105LS		NA		31.4	IRI-2020	PT	2	

System RI Loop -

GE-I3 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-C

00 EXAM/COMP. ID NO.	01 ITEM NO	02 WELD TYPE	03 MAT. SPEC	04 TKNS	05 CAL. STD.NO.	06 AZ(DEG) EL(IN.)	07 TOTAL IN.OF WELD	08 DWG. NO.	09 EXAM TYPE	10 PROC NO.	11 REMARKS
IRI-2022-6	C3.40		105LS		NA		18.9	IRI-2022	PT	2	

System RI Loop -

GE-I3 Rev. 1

ASME SECTION XI CATEGORY C-D

COMPONENT TO BE INSPECTED:

Pressure retaining bolting greater than 2 inches in diameter for pressure vessels, piping, pumps, and valves.

AREAS SUBJECT TO EXAMINATIONS:

This shall include 100% of the bolts and studs at each bolted connection, in accordance with ASME Section XI, Figure IWC-2500-6.

EXTENT AND FREQUENCY OF EXAMINATION(S):

Program such that 100% of the required bolting is examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Ultrasonic

REMARKS:

There is no Class 2 pressure retaining bolting greater than 2 inches in diameter at LaSalle County Nuclear Station.

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

ASME SECTION XI CATEGORY C-F

COMPONENT TO BE INSPECTED:

Pressure retaining welds in piping.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include 100% of the circumferential welds[1] in piping and pipe branch connections, and 2.5t of the longitudinal welds at the intersecting circumferential weld. This shall include the weld metal and base metal beyond the weld edge as required by ASME Section XI, Figures IWC-2500-7 and IWC-2500-9.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds[2] are examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Liquid Penetrant, for welds in piping $\leq$ 1/2 inch nominal wall thickness, and for pipe branch connections.

Liquid Penetrant and Ultrasonic, for welds in piping > 1/2 inch nominal wall thickness.

REMARKS:

1. The welds selected for examination shall include:

   A. all welds at terminal ends of piping or branch runs;
   B. all dissimilar metal welds;
   C. additional welds, at structural discontinuities or within 3 pipe diameters of a rigid anchor, such that the total number of welds selected for examination includes the following percentages of circumferential piping welds:

      1. none of the welds exempted by IWC-1220,
      2. 25% of the welds in residual heat removal and emergency core cooling systems
      3. 50% of the main steam system welds,
      4. 25% of the welds in all other systems.

2. The welds initially selected for examination shall be re-examined over the service lifetime of the piping component.

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2003-1	E-V	C5.21	MF-2	6"	.562	903LS	IRI-2003	PT UT-45°	2 1	NA 01-06-03	

System RI Loop -

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2004-2	F-E	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-3	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-6	P-V	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-7	V-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-8	P-V	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-9	V-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-10	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-11	E-E	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-12	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-13	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-14	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-15	P-T	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-16	T-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-18	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	
IRI-2004-19	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2004	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2005-1	PU-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-2	E-V	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-3	V-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-3A	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-4	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-5	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-6	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-7	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-8	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-9	P-F	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-10	F-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-11	P-T	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2005-12	T-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-13	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-14	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	
IRI-2005-15	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2005	PT UT-45°	2 1	NA 01-06-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2006-1	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-2	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-3	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-4	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-5	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-6	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-9	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-10	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-11	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-12	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-13	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-14	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2006-15	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-16	E-P	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	
IRI-2006-17	P-E	C5.21	MF-2	6"	.562	903LS	IRI-2006	PT UT-45°	2 1	NA 01-06-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2013-1	F-P	C5.11	MF-2	6"	.280	105LS	IRI-2013	PT	2	NA	
IRI-2013-4	P-E	C5.11	MF-2	6"	.280	105LS	IRI-2013	PT	2	NA	
IRI-2013-5	E-P	C5.11	MF-2	6"	.280	105LS	IRI-2013	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO	11 REMARKS
IRI-2014-1	V-P	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-2	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-3	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-4	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-5	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-6	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	
IRI-2014-7	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2014	PT UT-45°	2 1	NA 01-10-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2015-1	P-T	C5.21	MF-2	10"	.719	903LS	IRI-2015	PT UT-45°	2 1	NA 01-10-01	
IRI-2015-2	T-P	C5.21	MF-2	10"	.719	903LS	IRI-2015	PT UT-45°	2 1	NA 01-10-01	
IRI-2015-5	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2015	PT UT-45°	2 1	NA 01-10-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2016-1	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-2	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-3	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-6	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-7	E-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-8	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-9	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-10	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-11	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-12	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-13	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	
IRI-2016-14	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2016-15	P-V	C5.21	MF-2	10"	.719	903LS	IRI-2016	PT UT-45°	2 1	NA 01-10-01	

System RI Loop -

GE-I4 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2017-1	T-P	C5.21	MF-2	10"	.719	903LS	IRI-2017	PT UT-45°	2 1	NA 01-10-01	
IRI-2017-2	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2017	PT UT-45°	2 1	NA 01-10-01	
IRI-2017-3	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2017	PT UT-45°	2 1	NA 01-10-01	
IRI-2017-4	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2017	PT UT-45°	2 1	NA 01-10-01	
IRI-2017-5	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2017	PT UT-45°	2 1	NA 01-10-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2018-1	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-2	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-5	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-6	E-E	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-7	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-8	P-E	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-9	E-E	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-12	E-P	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	
IRI-2018-13	P-V	C5.21	MF-2	10"	.719	903LS	IRI-2018	PT UT-45°	2 1	NA 01-10-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2019-2	F-E	C5.11	MF-2	8"	.322	105LS	IRI-2019	PT	2	NA	
IRI-2019-3	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-4	P-E	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-5	E-T	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-6	T-R	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-7	R-P	C5.11	MF-2	6"	.280	105LS	IRI-2019	PT	2	NA	
IRI-2019-8	P-F	C5.11	MF-2	6"	.280	105LS	IRI-2019	PT	2	NA	
IRI-2019-9	T-R	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-10	R-P	C5.11	MF-2	14"	.375	105LS	IRI-2019	PT	2	NA	
IRI-2019-11	P-C	C5.11	MF-2	14"	.375	105LS	IRI-2019	PT	2	NA	
IRI-2019-11A	P-W	C5.31	MF-2	14"	.375	105LS	IRI-2019	PT	2	NA	
IRI-2019-12	W-E	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-14	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-15	P-E	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-16	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-17	P-E	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	
IRI-2019-18	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2019	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2020-1	P-E	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-2	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-3	P-V	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-4	V-E	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-5	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-6	P-V	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-7	V-P	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-9	P-E	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-10	E-P	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	
IRI-2020-11	P-C	C5.11	MF-2	10"	.365	105LS	IRI-2020	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2022-1	F-P	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-2	P-E	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-3	E-E	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-4	E-E	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-5	E-P	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-8	P-E	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	
IRI-2022-9	E-P	C5.11	MF-2	6"	.280	105LS	IRI-2022	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2029-1	R-P	C5.21	MF-2	10"	.719	903LS	IRI-2029	PT UT-45°	2 1	NA 01-10-01	
IRI-2029-2	P-C	C5.21	MF-2	10"	.719	903LS	IRI-2029	PT UT-45°	2 1	NA 01-10-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2030-2	P-V	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-3	V-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-4	P-V	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-5	V-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-6	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-7	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-8	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-9	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-10	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-11	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-12	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-13	E-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-14	P-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-15	E-T	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-16	T-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-17	T-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-18	P-V	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-19	V-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-2030-20	P-F	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-21	F-P	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-22	P-F	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-23	F-E	C5.11	MF-2	8"	.322	105LS	IRI-2030	PT	2	NA	
IRI-2030-24	E-E	C5.11	MF-2	6"	.280	105LS	IRI-2030	PT	2	NA	
IRI-2030-25	E-P	C5.11	MF-2	6"	.280	105LS	IRI-2030	PT	2	NA	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2004-2	V-P	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-2LD	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-3LU	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-3	P-E	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-4	E-P	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-4LD	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-5LU	LS	C5.22	MF-2	24"	1.876mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	
IFW-2004-5	P-V	C5.21	MF-2	24"	1.876mw	1503LS	IFW-2004	PT UT-45°		NA 01-24-05	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For C-F
ASME Section XI Examination Category _____

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IFW-2005-2	V-P	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-2LD	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-3LU	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-3	P-E	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-4	E-P	C5.21	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-4LD	LS	C5.22	MF-2	24"	1.650mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-5LU	LS	C5.22	MF-2	24"	1.876mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	
IFW-2005-5	P-V	C5.21	MF-2	24"	1.876mw	1503LS	IFW-2005	PT UT-45°		NA 01-24-05	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2001-1	E-Y	C5.21	MF-2	12"	.844	903LS	IHP-2001	PT UT-45°	2 1	NA 01-12-03	

System HP Loop

GE-I4 Rev. 1

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2002-1	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-2	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-3	E-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-4	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-5	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-6	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-7	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-8	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-9	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-10	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2002-11	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-12	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-13	P-E	C5.21	MF-2	16"	1.031	90	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-14	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-15	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-16	E-F	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-17	F-P	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-18	P-R	C5.21	MF-2	16"	1.031	903LS	IHP-2002	PT UT-45°	2 1	NA 01-16-02	
IHP-2002-19	R-E	C5.21	MF-2	12"	.844	903LS	IHP-2002	PT UT-45°	2 1	NA 01-12-04	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2003-1	F-R	C5.21	MF-2	12"	.844	903LS	IHP-2003	PT UT-45°	2 1	NA 01-12-04	
IHP-2003-2	R-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-3	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-4	E-V	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-5	V-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-6	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-7	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-8	P-F	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-9	F-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-15-02	
IHP-2003-10	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2003-11	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-12	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-13	E-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-14	P-T	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-15	T-P	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	
IHP-2003-18	P-E	C5.21	MF-2	16"	1.031	903LS	IHP-2003	PT UT-45°	2 1	NA 01-16-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2004-1	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-2	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-3	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-3ALD	IALS	C5.12	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-3BLD	OALS	C5.12	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-4ALU	IALS	C5.12	MF-2	14"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-4BLU	OALS	C5.12	MF-2	14"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-4	E-V	C5.11	MF-2	14"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-5	V-R	C5.11	MF-2	14"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-6	R-P	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2004-7	P-F	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-8	F-P	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-9	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-10	E-T	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-11	P-T	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-12	T-P	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-13	P-F	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-14	F-P	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	
IHP-2004-15	P-F	C5.11	MF-2	24"	.375	105LS	IHP-2004	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section Xi Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2005-1	T-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-2	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-3	E-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-4	P-T	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-5	T-R	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-6	R-V	C5.21	MF-2	10"	.719	903LS	IHP-2005	PT UT-45°	2 1	NA 01-10-01	
IHP-2005-7	V-R	C5.21	MF-2	10"	.719	903LS	IHP-2005	PT UT-45°	2 1	NA 01-10-01	
IHP-2005-8	R-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-9	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-10	E-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2005-11	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-12	E-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-13	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-14	E-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-15	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-16	E-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-17	E-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-18	P-E	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-19	E-R	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-20	R-V	C5.21	MF-2	10"	.719	903LS	IHP-2005	PT UT-45°	2 1	NA 01-10-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2005-21	T-P	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-22	P-R	C5.21	MF-2	14"	.938	903LS	IHP-2005	PT UT-45°	2 1	NA 01-14-02	
IHP-2005-23	R-V	C5.21	MF-2	12"	.844	903LS	IHP-2005	PT UT-45°	2 1	NA 01-12-04	
IHP-2005-24	V-R	C5.11	MF-2	12"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-25	R-P	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-26	P-W	C5.31	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-28A	P-E	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-29	E-P	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2005-30	P-E	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-31	E-P	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-33	P-E	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	
IHP-2005-34	E-P	C5.11	MF-2	14"	.375	105LS	IHP-2005	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2006-4	R-P	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-5	P-E	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-6	E-P	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-7	P-E	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-8	E-P	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-9	P-E	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-10	E-P	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-11	P-E	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-12	E-P	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-13	P-F	C5.21	MF-2	6"	.562	903LS	IHP-2006	PT UT-45°	2 1	NA 01-06-02	
IHP-2006-14	F-P	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2006-15	P-E	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-16	E-P	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-17	P-E	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-18	E-P	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-19	P-E	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-20	E-P	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	
IHP-2006-21	P-R	C5.11	MF-2	6"	.280	105LS	IHP-2006	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2007-1	F-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-2	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-4	P-R	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-5	R-V	C5.11	MF-2	18"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-6	V-R	C5.11	MF-2	18"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-7	R-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-8	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-9	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-10	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-11	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-12	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2007-13	E-F	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-14	F-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-15	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-16	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-17	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	
IHP-2007-18	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2007	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2010-3	F-P	C5.11	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-3LD	LS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-5LU	LS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-5	P-V	C5.11	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-6	V-E	C5.11	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-6ALD	IALS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-6BLD	OALS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-7ALU	IALS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-7BLU	OALS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-7	E-P	C5.11	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-7LD	LS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	
IHP-2010-8	LS	C5.12	MF-2	24"	.250	141	IHP-2010	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2011-1	P-E	C5.11	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-2	E-P	C5.11	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-2LD	LS	C5.12	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-7LU	LS	C5.12	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-7	P-E	C5.11	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-8	E-P	C5.11	MF-2	24"	.250	141	IHP-2011	PT	2	NA	
IHP-2011-8LD	LS	C5.12	MF-2	24"	.250	141	IHP-2011	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2012-3L.U	LS	C5.12	MF-2	24"	.250	141	IHP-2012	PT	2	NA	
IHP-2012-3	P-E	C5.11	MF-2	24"	.250	141	IHP-2012	PT	2	NA	
IHP-2012-4	E-P	C5.11	MF-2	24"	.250	141	IHP-2012	PT	2	NA	
IHP-2012-4LD	LS	C5.12	MF-2	24"	.250	141	IHP-2012	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2013-9LU	LS	C5.12	MF-2	24"	.250	141	IHP-2013	PT	2	NA	
IHP-2013-9	P-E	C5.11	MF-2	24"	.250	141	IHP-2013	PT	2	NA	
IHP-2013-10	E-P	C5.11	MF-2	24"	.250	141	IHP-2013	PT	2	NA	
IHP-2013-10LD	LS	C5.12	MF-2	24"	.250	141	IHP-2013	PT	2	NA	
IHP-2013-17	LS	C5.12	MF-2	24"	.250	141	IHP-2013	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2014-2LD	LS	C5.12	MF-2	24"	.250	141	IHP-2014	PT	2	NA	
IHP-2014-2	P-E	C5.11	MF-2	24"	.250	141	IHP-2014	PT	2	NA	
IHP-2014-1	E-P	C5.11	MF-2	24"	.250	141	IHP-2014	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-2015-3	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2015	PT	2	NA	
IHP-2015-4	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2015	PT	2	NA	
IHP-2015-5	P-E	C5.11	MF-2	24"	.375	105LS	IHP-2015	PT	2	NA	
IHP-2015-6	E-P	C5.11	MF-2	24"	.375	105LS	IHP-2015	PT	2	NA	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2002-2	F-P	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-4	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-5	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-6	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-7	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-8	P-R	C5.11	MF-2	16"	.500	307LS	ILP-2002	PT	2	NA	
ILP-2002-9	R-E	C5.11	MF-2	12"	.406	307LS	ILP-2002	PT	2	NA	
ILP-2002-10	E-E	C5.11	MF-2	12"	.406	307LS	ILP-2002	PT	2	NA	
ILP-2002-11	E-V	C5.11	MF-2	12"	.406	307LS	ILP-2002	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2003-1	F-E	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-2	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-4	P-V	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-5	V-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-6	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-7	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-8	P-T	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-9	T-E	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-10	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-11	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-12	E-E	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-13	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-14	P-F	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-15	F-P	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	
ILP-2003-16	P-F	C5.11	MF-2	24"	.375	105LS	ILP-2003	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2004-1	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-5	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-6	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-7A	F-P	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-8	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-9	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-10	E-E	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-11	E-P	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-12	P-E	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	
ILP-2004-13	E-T	C5.11	MF-2	24"	.375	105LS	ILP-2004	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2010-1A	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-2	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-3	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-4	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-5	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-6	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-7	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-8	E-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-9	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-10	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-11	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	
ILP-2010-12	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2010	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2011-1	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-2	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-3	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-4	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-5	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-6	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-7	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-8	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-9	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-11	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-12	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	
ILP-2011-13	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2011	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2012-1	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-2	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-3	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-4	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-5	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-6	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-7	E-E	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-8	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-10	P-E	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	
ILP-2012-11	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2012	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2013-1	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-2	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-3	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-4	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-5	P-F	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-6	F-P	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-7	P-T	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-8	T-P	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-9	P-F	C5.11	MF-2	16"	.500	307LS	ILP-2013	PT	2	NA	
ILP-2013-10	T-P	C5.11	MF-2	14"	.438	307LS	ILP-2013	PT	2	NA	
ILP-2013-10A	P-E	C5.11	MF-2	14"	.438	307LS	ILP-2013	PT	2	NA	
ILP-2013-11	E-P	C5.11	MF-2	14"	.438	307LS	ILP-2013	PT	2	NA	
ILP-2013-12	P-E	C5.11	MF-2	14"	.438	307LS	ILP-2013	PT	2	NA	
ILP-2013-13	E-V	C5.11	MF-2	14"	.438	307LS	ILP-2013	PT	2	NA	
ILP-2013-15	V-E	C5.11	MF-2	14"	.375	105LS	ILP-2013	PT	2	NA	
ILP-2013-16	E-P	C5.11	MF-2	14"	.375	105LS	ILP-2013	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-2014-1	F-E	C5.11	MF-2	14"	.438	307LS	ILP-2014	PT	2	NA	
ILP-2014-2	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-3	P-F	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-4	F-E	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-5	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-6	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-7	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-8	P-E	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	
ILP-2014-9	E-P	C5.11	MF-2	16"	.500	307LS	ILP-2014	PT	2	NA	

System 1P Loop -

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2036-1	V-P	C5.21	MF-2	26"	0.967mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-1LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-6LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-6	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-7	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-7LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-20LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-20	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-22	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-22LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	

System MS Loop A

GE-I4 Rev. 1

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2036-25LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-25	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-26	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	
IMS-2036-26LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2036	PT UT-45°	2 1	NA 01-26-02	

System MS Loop A

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2037-1	P-FH	C5.21	MF-2	26"	0.967mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-13LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-13	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-14	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-14LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-18LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-18	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-20	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-20LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-32	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	
IMS-2037-33	P-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2037	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2038-1	V-P	C5.21	MF-2	26"	0.967mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-1LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-6LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-6	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-7	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-7LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-21LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-21	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-23	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-23LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	
IMS-2038-33	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2038	PT UT-45°	2 1	NA 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2039-1	P-FH	C5.21	FH-1	26"	0.967mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-5LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-5	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-6	E-P	C5.21	MF-1	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-6LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-7LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-7	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-8	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-8LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-16LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-16	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2039-17	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-17LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-19LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-19	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-21	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-21LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	
IMS-2039-30	P-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2039	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2040-1	V-P	C5.21	MF-2	26"	0.967mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-1LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-7LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-7	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-8	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-8LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-20LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-20	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-22	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-22LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2040-23LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-23	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-24	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-24LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	
IMS-2040-32	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2040	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2041-2	P-FH	C5.21	FH-1	26"	0.967mw	900LS	IMS-2041	PT UT-45°	2 1	NA 01-26-02	
IMS-2041-9LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2041	PT UT-45°	2 1	NA 01-26-02	
IMS-2041-9	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2041	PT UT-45°	2 1	NA 01-26-02	
IMS-2041-11	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2041	PT UT-45°	2 1	NA 01-26-02	
IMS-2041-11LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2041	PT UT-45°	2 1	NA 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2042-1	V-P	C5.21	MF-2	26"	0.967mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-1LD	LS	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-8LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-8	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-9	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-9LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-19LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-19	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-21	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-21LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-22LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2042-22	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-23	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-23LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	
IMS-2042-1LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2042	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2043-1	P-FH	C5.21	FH-1	26"	0.967mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	
IMS-2043-12LU	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	
IMS-2043-12	P-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	
IMS-2043-19	E-E	C5.21	MF-2	26"	0.968mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	
IMS-2043-21	E-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	
IMS-2043-21LD	LS	C5.22	MF-2	26"	0.968mw	900LS	IMS-2043	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-1	P-R	C5.21	MF-2	36"	1.335mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-36-01	
IMS-2044-1LU	LS	C5.22	MF-2	36"	1.335mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-36-01	
IMS-2044-2	P-P	C5.21	MF-2	36"	1.335mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-36-01	
IMS-2044-3	P-R	C5.21	MF-2	36"	1.335mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-36-01	
IMS-2044-3LU	LS	C5.22	MF-2	36"	1.335mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-36-01	
IMS-2044-4	P-S	C5.31	SW-1	36"	1.335mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-5	P-S	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-6	P-V	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-8	P-S	C5.31	SW-1	36"	1.335mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-9	P-S	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-10	S-P	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-11	P-E	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-12	E-P	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-13	P-V	C5.21	MF-2	18"	0.938mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-18-03	
IMS-2044-15LU	LS	C5.32	MF-2	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-15	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-16	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-17	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-18	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-18LD	LS	C5.32	MF-2	28"	1.041mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-19	P-P	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-23LU	LS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-23	P-E	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-23ALD	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-23BLD	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-24ALU	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-24BLU	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-24	E-V	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-25LU	LS	C5.32	MF-2	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-25	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-26	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-27	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-28	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-28LD	LS	C5.32	MF-2	28"	1.041mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-29	P-P	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-33LU	LS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-33	P-E	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-33ALD	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-33BLD	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-35ALU	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-35BLU	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-35	E-V	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-37	P-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-26-02	
IMS-2044-37LD	L-S	C5.22	MF-2	26"	0.968mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-26-02	
IMS-2044-38LU	LS	C5.32	MF-2	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-38	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-39	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-40	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-41	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-41LD	LS	C5.32	MF-2	28"	1.041mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-42	P-P	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-46LU	LS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-46	P-E	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-46ALD	IALS	C5.22	MF-2	28"	1.041mw	900[illegible]	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-46BLD	OALS	C5.22	MF-2	?	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-48ALU	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-48BLU	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-48	E-V	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-49	P-P	C5.21	MF-2	26"	0.968mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-26-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-49LD	L-S	C5.22	MF-2	26"	0.968mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-26-02	
IMS-2044-50LU	LS	C5.32	MF-2	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-50	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-51	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-52	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-53	P-S	C5.31	SW-1	26"	0.968mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-53LD	LS	C5.32	MF-2	28"	1.041mw	900LS	IMS-2044	PT	2	NA	
IMS-2044-54	P-P	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-58LU	LS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-58	P-E	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-58ALD	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-58BLD	OALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-60ALU	IALS	C5.22	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2044-60BLU	OALS	C5.22	MF-?	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	
IMS-2044-60	E-V	C5.21	MF-2	28"	1.041mw	900LS	IMS-2044	PT UT-45°	2 1	NA 01-28-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2045-1	R-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-3	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-4	P-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-5	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-7	P-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-8	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-10	P-R	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-11	R-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-13	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-14	P-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-15	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	

00 EXAM/COMP. I.D.NO.	01 COMP FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IMS-2045-17	P-E	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-18	E-P	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	
IMS-2045-20	P-R	C5.21	MF-2	18"	0.938	900LS	IMS-2045	PT UT-45°	2 1	NA 01-18-03	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2MS-0025A-1	P-C	C5.21	MF-2	12"	0.688	SA-335	GEL-1100	PT UT-45°	2 1	NA 01-12-08	
2MS-0025A-2	P-C	C5.21	MF-2	12"	0.688	SA-335	GEL-1100	PT UT-45°	2 1	NA 01-12-08	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2MS-0028A-1	P-C	C5.21	MF-2	12"	0.688	SA-335	GEL-1100	PT UT-45°	2 1	NA 01-12-08	
2MS-0028A-2	P-C	C5.21	MF-2	12"	0.688	SA-335	GEL-1100	PT UT-45°	2 1	NA 01-12-08	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-2-1	P-C	C5.21	MF-2	12"	0.688	SA-106	GEL-1105	PT UT-45°	2 1	NA 01-12-04	
2RD-0022-2-2	R-P	C5.21	MF-2	12"	0.688	SA-106	GEL-1105	PT UT-45°	2 1	NA 01-12-04	
2RD-0022-2-2A	E-R	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-3	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-4	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-5	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-6	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-7	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-8	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-9	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-10	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-11	T-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-12	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-13	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-14	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-2-15	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-16	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-17	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-18	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-19	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-20	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-21	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-22	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-23	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-24	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-25	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-26	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-27	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-28	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-29	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-30	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-2-31	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-32	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-33	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-34	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-35	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-36	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-37	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-38	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-39	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-40	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	
2RD-0022-2-41	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1105	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-1-1	P-C	C5.21	MF-2	12"	0.688	SA-106	GEL-1112	PT UT-45°	2 1	NA 01-12-04	
2RD-0022-1-2	R-P	C5.21	MF-2	12"	0.688	SA-106	GEL-1112	PT UT-45°	2 1	NA 01-12-04	
2RD-0022-1-2A	E-R	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-3	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-4	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-5	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-6	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-7	T-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-8	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-9	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-10	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-11	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-12	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-13	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-14	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-1-15	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-16	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-17	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-18	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-19	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-20	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-21	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-22	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-23	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-24	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-25	T-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-26	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-27	P-T	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-28	E-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-29	P-E	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-30	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
2RD-0022-1-31	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-32	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-33	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-34	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-35	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-36	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	
2RD-0022-1-37	F-P	C5.11	MF-2	8"	0.500	SA-106	GEL-1112	PT	2	NA	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For C-F
ASME Section XI Examination Category _____

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2003-1	E-V	C5.11	MF-2	12"	.406	307LS	IRH-2003	PT	2	NA	

System RH Loop A

GE-I4 Rev. 1

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2005-1	E-V	C5.11	MF-2	12"	.406	307LS	IRH-2005	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2006-1	E-T	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-2	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-6	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-7	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-9	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-11	E-T	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-14	T-R	C5.21	MF-2	18"	.562	307LS	IRH-2006	PT UT-45°	2 1	NA 01-18-01	
IRH-2006-15	R-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-17	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-18	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-19	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-20	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-21	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2006-22	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-25	P-V	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-26	T-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-30	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-37	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-38	T-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-39	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-40	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-41	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-42	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-42E	P-V	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-43E	V-E	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-46A	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	
IRH-2006-48A	P-F	C5.11	MF-2	12"	.406	307LS	IRH-2006	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2007-2	F-E	C5.11	MF-2	14"	.438	307LS	IRH-2007	PT	2	NA	
IRH-2007-3	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-5	P-W	C5.31	MF-2	18"	.562	307LS	IRH-2007	PT	2	NA	
IRH-2007-6	W-P	C5.11	MF-2	8"	.322	307LS	IRH-2007	PT	2	NA	
IRH-2007-7	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2007	PT	2	NA	
IRH-2007-17	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-19	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-24	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-25	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-26	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-27	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-28	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2007-32	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-43	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-47	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-48	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-49	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-51	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-52	V-T	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-55	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-56	E-T	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-60	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-66	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2007-67	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-72	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-76	E-N	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-77	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-79	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-80	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-82	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	
IRH-2007-84	E-V	C5.21	MF-2	18"	.562	307LS	IRH-2007	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2008-1	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-2	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-3	P-T	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-4	T-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-6	P-R	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-7	R-E	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-9	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-10	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-11	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-15	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-16	E-V	C5.11	MF-2	12"	.406	307LS	IRH-2008	PT	2	NA	
IRH-2008-17	T-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-20	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-22	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-24	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-25	E-V	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2008-26	V-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-30	P-W	C5.31	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-31	W-F	C5.11	MF-2	10"	.365	307LS	IRH-2008	PT	2	NA	
IRH-2008-37	P-V	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-38	V-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-41	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-44	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-51	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-52	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-53	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-54	E-T	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-55	T-R	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	
IRH-2008-56	T-R	C5.11	MF-2	16"	.500	307LS	IRH-2008	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2009-1	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-2	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-3	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-4	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-5	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-6	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-7	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-8	E-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-9	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-10	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-11	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-12	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-13	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-14	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	
IRH-2009-15	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2009	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2010-2	F-E	C5.11	MF-2	24"	.375	105LS	IRH-2010	PT	2	NA	
IRH-2010-5	E-P	C5.11	MF-2	24"	.375	105LS	IRH-2010	PT	2	NA	
IRH-2010-8	P-V	C5.21	MF-2	24"	.588	105LS 307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-03	
IRH-2010-9	V-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-12	E-P	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-18	P-T	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-19	T-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-20	T-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-22	E-F	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-25	E-P	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-27	P-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-29	E-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2010-30	E-E	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-32	E-P	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-33	P-T	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-36	T-P	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	
IRH-2010-37	T-V	C5.21	MF-2	18"	.562	307LS	IRH-2010	PT UT-45°	2 1	NA 01-18-03	
IRH-2010-42	P-F	C5.21	MF-2	24"	.688	307LS	IRH-2010	PT UT-45°	2 1	NA 01-24-02	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2011-2	F-E	C5.11	MF-2	24"	.375	105LS	IRH-2011	PT	2	NA	
IRH-2011-7	E-P	C5.11	MF-2	24"	.375	105LS	IRH-2011	PT	2	NA	
IRH-2011-13	P-V	C5.21	MF-2	24"	.688	105LS 307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-03	
IRH-2011-15	V-E	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-17	E-P	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-26	P-T	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-27	T-E	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-29	E-P	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-31	P-E	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-32	E-E	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-37	E-T	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-39	T-V	C5.21	MF-2	18"	.562	307LS	IRH-2011	PT UT-45°	2 1	NA 01-13-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2011-40	T-P	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-43	P-F	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-45	F-P	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-49	P-F	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-52	F-V	C5.21	MF-2	24"	.688	307LS	IRH-2011	PT UT-45°	2 1	NA 01-24-02	
IRH-2011-53	V-E	C5.21	MF-2	20"	.594	307LS	IRH-2011	PT UT-45°	2 1	NA 01-20-01	
IRH-2011-54	E-P	C5.21	MF-2	20"	.594	307LS	IRH-2011	PT UT-45°	2 1	NA 01-20-01	
IRH-2011-56	P-E	C5.21	MF-2	20"	.594	307LS	IRH-2011	PT UT-45°	2 1	NA 01-20-01	
IRH-2011-57	E-P	C5.21	MF-2	20"	.594	307LS	IRH-2011	PT UT-45°	2 1	NA 01-20-01	
IRH-2011-59	P-T	C5.21	MF-2	20"	.594	307LS	IRH-2011	PT UT-45°	2 1	NA 01-20-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2012-2	F-E	C5.11	MF-2	14"	.438	307LS	IRH-2012	PT	2	NA	
IRH-2012-5	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-8	P-W	C5.31	MF-2	18"	.562	307LS	IRH-2012	PT	2	NA	
IRH-2012-11	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-13	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-19	P-F	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-21	F-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-27	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-29	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-31	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-32	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2012-35	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-36	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	
IRH-2012-40	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2012	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2013-1	V-P	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-8	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-11	T-V	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-12	V-P	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-15	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-16	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-21	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-22	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-23	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-24	E-E	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-33	E-N	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2013-34	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-39	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	
IRH-2013-40	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2013	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2014-1A	N-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-7	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-8	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-9	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-10	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-12	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-13	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-14	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-15	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-16	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-18	P-F	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2014-20	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-21	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-22	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	
IRH-2014-24	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2014	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2015-2	F-P	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-3	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-4	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-7	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-9	E-T	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-10	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-12	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-13	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-14	P-W	C5.31	MF-2	18"	.562	307LS	IRH-2015	PT	2	NA	
IRH-2015-17	P-R	C5.21	MF-2	18"	.562	307LS	IRH-2015	PT UT-45°	2 1	NA 01-18-01	
IRH-2015-18	R-E	C5.11	MF-2	16"	.500	307LS	IRH-2015	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2015-19	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2015	PT	2	NA	
IRH-2015-20	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2015	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For C-F
ASME Section XI Examination Category _____

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2016-2	F-E	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-3	E-P	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-10	P-V	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-11	V-E	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-14	E-P	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-15	P-W	C5.31	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-18	P-E	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-19	E-P	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-20	P-E	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-22	E-E	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-25	E-T	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-28	T-V	C5.11	MF-2	18"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-29	T-P	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-30	P-W	C5.31	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-32	P-F	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-36	F-P	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2016-37	P-F	C5.11	MF-2	24"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-41	W-P	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-43	P-E	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-44	E-P	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-47	P-V	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-49	V-F	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-51	W-E	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-52	E-P	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-53	P-E	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-54	E-P	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-57	P-V	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-58	V-E	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-59	E-P	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	
IRH-2016-59A	P-F	C5.11	MF-2	14"	.375	105LS	IRH-2016	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2017-1	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-2	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-3	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-4	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-5	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-7	P-T	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-8	T-R	C5.11	MF-2	16"	.500	307LS	IRH-2017	PT	2	NA	
IRH-2017-9	R-P	C5.11	MF-2	12"	.406	307LS	IRH-2017	PT	2	NA	
IRH-2017-10	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2017	PT	2	NA	
IRH-2017-11	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2017	PT	2	NA	
IRH-2017-12	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2017	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2018-1	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-2	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-3	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-4	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-5	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-8	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-9	E-E	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	
IRH-2018-10	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2018	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2019-1B	P-F	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-1D	F-P	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-1E	P-F	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-1G	F-P	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-2	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-3	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-4	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-5	E-E	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-6	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-8	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	
IRH-2019-9	E-E	C5.11	MF-2	12"	.406	307LS	IRH-2019	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2020-1	T-P	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-3	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-4	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-7	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-8	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-10	P-V	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-11	V-P	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-13	P-W	C5.31	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-14	W-F	C5.11	MF-2	10"	.365	307LS	IRH-2020	PT	2	NA	
IRH-2020-18	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	
IRH-2020-20	E-V	C5.11	MF-2	16"	.500	307LS	IRH-2020	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2021-1	V-P	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-2	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-3	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-4	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-5	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-6	P-E	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-7	E-P	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-8	P-T	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-11	T-R	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	
IRH-2021-12	T-R	C5.11	MF-2	16"	.500	307LS	IRH-2021	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2022-1	T-P	C5.11	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-4	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-5	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-6	P-W	C5.31	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-10	P-E	C5.11	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-11	E-E	C5.11	MF-2	12"	.406	307LS	IRH-2022	PT	2	NA	
IRH-2022-13	W-E	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-14	E-P	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-16	P-F	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-18	F-P	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-19	P-E	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-20	E-P	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-21	P-T	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-24	T-P	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-26	P-E	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	
IRH-2022-27	E-V	C5.11	MF-2	6"	.280	307LS	IRH-2022	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2023-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-4	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-10	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-11	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-13	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-18	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	
IRH-2023-26	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2023	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2024-1	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2024	PT	2	NA	
IRH-2024-6A	P-V	C5.11	MF-2	18"	.375	105LS	IRH-2024	PT	2	NA	
IRH-2024-9	V-P	C5.11	MF-2	18"	.375	105LS	IRH-2024	PT	2	NA	
IRH-2024-11	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2024	PT	2	NA	
IRH-2024-13	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2024	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2025-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-3	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-5	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-8	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-14	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-15	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-20	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-21	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-25	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-29	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	
IRH-2025-35	P-T	C5.11	MF-2	18"	.375	105LS	IRH-2025	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2027-1	V-P	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-12	P-T	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-13	T-P	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-18	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-19	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-20	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-21	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-27	T-E	C5.11	MF-2	14"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-30	E-V	C5.11	MF-2	14"	.375	105LS	IRH-2027	PT	2	NA	
IRH-2027-31	V-F	C5.11	MF-2	14"	.375	105LS	IRH-2027	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2028-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-3	E-E	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-5	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-6	W-P	C5.31	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-7	P-W	C5.11	MF-2	8"	.322	105LS	IRH-2028	PT	2	NA	
IRH-2028-8	V-P	C5.11	MF-2	8"	.322	105LS	IRH-2028	PT	2	NA	
IRH-2028-12	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-13	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-14	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	
IRH-2028-15	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2028	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2029-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-2	E-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-3	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-8	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-9	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-10	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-11	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-15	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-16	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-17	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	
IRH-2029-18	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2029	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section Xi Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2030-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-4	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-5	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-6	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-7	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-9	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-12	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-13	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-17	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-18	E-R	C5.11	MF-2	18"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-19	R-P	C5.11	MF-2	16"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-23	P-E	C5.11	MF-2	16"	.375	105LS	IRH-2030	PT	2	NA	
IRH-2030-28	E-P	C5.11	MF-2	16"	.375	105LS	IRH-2030	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2032-1	T-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-3	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-4	E-R	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-9	R-F	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-11	F-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-15	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-16	E-F	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-18	F-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-21	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-22	E-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-29	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-30	E-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-31	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-32	E-P	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	
IRH-2032-34	P-V	C5.11	MF-2	8"	.322	307LS	IRH-2032	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2033-1	V-E	C5.21	MF-2	20"	.594	307LS	IRH-2033	PT UT-45°	2 1	NA 01-20-01	
IRH-2033-8	E-P	C5.11	MF-2	20"	.375	307LS 340	IRH-2033	PT	2	NA	
IRH-2033-9LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-18LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-18	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-18ALD	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-18BLD	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-19ALU	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-19BLU	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-19	E-P	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-19LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-20LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-20	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2033-20ALD	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-20BLD	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-22ALU	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-22BLU	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-22	E-T	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-23LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-23	T-R	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-23LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-24LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-24	T-P	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-24LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-27LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-27	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2033-33LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-33	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-33ALD	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-33BLD	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-34ALU	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-34BLU	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-34	E-P	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-34LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-35LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-35	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-35ALU	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-35BLU	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-36ALD	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-36BLD	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-36	E-P	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-36LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	

System RH Loop

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2033-47LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-47	P-E	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-47ALD	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-47BLD	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-49ALU	IALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-49BLU	OALS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-49	E-P	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-49LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-50LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-50	P-T	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-50LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-52LU	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-52	T-R	C5.11	MF-2	20"	.375	340	IRH-2033	PT	2	NA	
IRH-2033-52LD	LS	C5.12	MF-2	20"	.375	340	IRH-2033	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2034-1LU	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-1	R-P	C5.11	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-1LD	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-4LU	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-4	P-E	C5.11	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-4ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-4BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-5ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-5BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-5	E-P	C5.11	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-5LD	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-14LU	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-14	P-E	C5.11	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-14ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-14BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2034-15ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-15BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-15	E-P	C5.11	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-15LD	LS	C5.12	MF-2	18"	.375	340	IRH-2034	PT	2	NA	
IRH-2034-30	P-V	C5.11	MF-2	18"	.375	340 307LS	IRH-2034	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2036-1	V-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-4	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-5	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-9	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-11	E-E	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-15	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-16	P-T	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-17	T-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-18	P-W	C5.31	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-23	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-26	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-27	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	
IRH-2036-28	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2036	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2037-1	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-2	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-4	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-5	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-8	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-9	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-13	P-E	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-14	E-P	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	
IRH-2037-15	P-R	C5.11	MF-2	18"	.375	105LS	IRH-2037	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2038-1	R-E	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-4	E-P	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-6	P-E	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-7	E-P	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-11	P-E	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2039-13	E-P	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-19	P-E	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	
IRH-2038-20	E-P	C5.11	MF-2	16"	.375	105LS	IRH-2038	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2039-2	F-E	C5.11	MF-2	14"	.438	307LS	IRH-2039	PT	2	NA	
IRH-2039-3	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-4	P-W	C5.31	MF-2	8"	.322	307LS	IRH-2039	PT	2	NA	
IRH-2039-5	W-P	C5.11	MF-2	8"	.322	307LS	IRH-2039	PT	2	NA	
IRH-2039-6	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2039	PT	2	NA	
IRH-2039-14	P-F	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-15	F-E	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-22	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-23	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-24	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-28	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	
IRH-2039-29	V-P	C5.21	MF-2	18"	.562	307LS	IRH-2039	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2040-1	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-7	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-12	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-13	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-15	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-16	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-22	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-23	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-25	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-26	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-30	P-F	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2040-36	F-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-37	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-38	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-39	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	
IRH-2040-40	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2040	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2041-4	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-5	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-15	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-17	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-18	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-19	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-23	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-24	T-R	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	
IRH-2041-25	R-E	C5.11	MF-2	12"	.406	307LS	IRH-2041	PT	2	NA	
IRH-2041-26	E-P	C5.11	MF-2	12"	.406	307LS	IRH-2041	PT	2	NA	
IRH-2041-31	P-V	C5.11	MF-2	12"	.406	307LS	IRH-2041	PT	2	NA	
IRH-2041-33	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2041	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2042-1	V-P	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-3	P-T	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-4	T-E	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-4A	E-P	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-7	P-R	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-8	R-V	C5.21	MF-2	6"	.562	903LS	IRH-2042	PT UT-45°	2 1	NA 01-06-02	
IRH-2042-9	V-R	C5.21	MF-2	6"	.562	903LS	IRH-2042	PT UT-45°	2 1	NA 01-06-01	
IRH-2042-10	R-R	C5.21	MF-2	10"	.719	903LS 307LS	IRH-2042	PT UT-45°	2 1	NA 01-10-02	
IRH-2042-11	R-P	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	
IRH-2042-13	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	
IRH-2042-15	T-E	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2042-16	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	
IRH-2042-26A	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	
IRH-2042-27	T-P	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-36	P-E	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-37	E-P	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-38	P-E	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-39	E-P	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-45	P-V	C5.21	MF-2	10"	.719	903LS	IRH-2042	PT UT-45°	2 1	NA 01-10-01	
IRH-2042-46	V-R	C5.21	MF-2	10"	.719	903LS 307LS	IRH-2042	PT UT-45°	2 1	NA 01-10-02	
IRH-2042-48	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2042-50	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	
IRH-2042-60	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2042	PT UT-45°	2 1	NA 01-18-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2043-1	V-T	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-2	T-P	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-3	P-E	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-4	E-P	C5.21	MF-2	10"	.719	903LS	IRH-204.	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-5	P-R	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-6	R-V	C5.21	MF-2	6"	.562	903LS	IRH-2043	PT UT-45°	2 1	NA 01-06-02	
IRH-2043-7	V-R	C5.21	MF-2	6"	.562	903LS	IRH-2043	PT UT-45°	2 1	NA 01-06-01	
IRH-2043-8	R-R	C5.21	MF-2	10"	.719	903LS 307LS	IRH-2043	PT UT-45°	2 1	NA 01-10-02	
IRH-2043-11	R-P	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	
IRH-2043-13	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	
IRH-2043-14	T-P	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2043-15	P-E	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-16	E-P	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-17	P-E	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-18	E-P	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-23	P-V	C5.21	MF-2	10"	.719	903LS	IRH-2043	PT UT-45°	2 1	NA 01-10-01	
IRH-2043-24	V-R	C5.21	MF-2	10"	.719	903LS 307LS	IRH-2043	PT UT-45°	2 1	NA 01-10-02	
IRH-2043-26	R-E	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	
IRH-2043-27	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	
IRH-2043-39	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	
IRH-2043-43	T-E	C5.21	MF-2	18"	.562	307LS	IRH-2043	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2044-2	F-R	C5.11	MF-2	6"	.280	306LS	IRH-2044	PT	2	NA	
IRH-2044-3	R-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-5	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-6	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-7	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-8	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-9	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-10	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-11	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-12	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-15	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-16	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	
IRH-2044-17	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2044	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2045-1	E-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-4	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-8	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-9	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-12	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-13	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-15	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-16	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-17	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-18	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-23	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-25	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-27	E-RH	C5.11	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	
IRH-2045-30	RHLS	C5.12	MF-2	8"	.322	306LS	IRH-2045	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2046-1LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-1	R-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-1LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-4LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-4	P-E	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-4ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-4BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-6ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-6BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-6	E-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-6LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-9LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-9	P-E	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-9ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-9BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-11ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2046-11BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-11	E-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-11LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-14LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-14	P-E	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-14ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-14BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-15ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-15BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-15	E-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-15LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-16LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-16	P-E	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-16ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-16BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-17ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-17BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2046-17	E-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-19	P-V	C5.11	MF-2	18"	.375	340 307LS	IRH-2046	PT	2	NA	
IRH-2046-20	T-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-20LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-23	P-E	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-23LU	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-23ALD	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-23BLD	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-24ALU	IALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-24BLU	OALS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-24	E-P	C5.11	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-24LD	LS	C5.12	MF-2	18"	.375	340	IRH-2046	PT	2	NA	
IRH-2046-39	P-V	C5.11	MF-2	18"	.375	340 307LS	IRH-2046	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2047-4	R-F	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-8	F-P	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-20	P-V	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-21	V-P	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-24	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-26	E-V	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-27	V-P	C5.11	MF-2	8"	.322	307LS 105LS	IRH-2047	PT	2	NA	
IRH-2047-28	P-E	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-29	E-P	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-33	P-E	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-34	E-P	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-38	P-T	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-41	T-P	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-42	P-E	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-43	E-P	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-45	P-W	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	
IRH-2047-49	R-F	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2047-52	F-P	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-64	P-V	C5.11	MF-2	8"	[illegible]	307LS	IRH-2047	PT	2	NA	
IRH-2047-65	V-P	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-69	P-E	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-70	E-V	C5.11	MF-2	8"	.322	307LS	IRH-2047	PT	2	NA	
IRH-2047-71	V-P	C5.11	MF-2	8"	.322	307LS 105LS	IRH-2047	PT	2	NA	
IRH-2047-72	P-T	C5.11	MF-2	8"	.322	105LS	IRH-2047	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2048-2	F-R	C5.11	MF-2	6"	.280	306LS	IRH-2048	PT	2	NA	
IRH-2048-3	R-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-5	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-7	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-8	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-9	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-10	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-11	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-12	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-14	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-15	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-16	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-17	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-18	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-19	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-22	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2048-23	E-P	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-24	P-E	C5.11	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	
IRH-2048-25	RHLS	C5.12	MF-2	8"	.322	306LS	IRH-2048	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2058-1	R-P	C5.11	MF-2	10"	.365	307LS	IRH-2058	PT	2	NA	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2061-1	R-P	C5.11	MF-2	10"	.365	307LS	IRH-2061	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2065-1	R-P	C5.11	MF-2	10"	.365	307LS	IRH-2065	PT	2	NA	

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-F

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2068-42	R-P	C5.11	MF-2	10"	.365	307LS	IRH-2068	PT	2	NA	

System RH Loop B

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2077-1A	N-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-11	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-13	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-15	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-16	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-22	P-V	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-23	V-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-25	E-T	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-26	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-27	V-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-28	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-2077-31	P-F	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-33	F-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-34	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-36	E-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-37	P-T	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-38	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-39	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-40	E-V	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-41	T-P	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	
IRH-2077-42	P-E	C5.21	MF-2	18"	.562	307LS	IRH-2077	PT UT-45°	2 1	NA 01-18-01	

ASME SECTION XI CATEGORY C-G

COMPONENT TO BE INSPECTED:

Pressure retaining welds in pumps and valves.

AREAS SUBJECT TO EXAMINATIONS:

The areas shall include 100% of the weld length of each pump casing and valve body weld. This shall include the weld metal and base metal beyond the weld edge as required by ASME Section XI, Figure IWC-2500-8.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the welds in all components[1] in each piping run examined under Examination Category C-F are examined [2,3] per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

Liquid Penetrant

REMARKS:

1. In case of multiple pumps and valves of similar design, size, function, and service in a system, the examination of only one pump and one valve among each group of multiple pumps and valves is required.

2. The examination may be performed from either the inside or outside surface of the component.

3. The pumps and valves initially selected for examination shall be re-examined over the service lifetime of the component.

ASME SECTION XI CATEGORY C-G

REMARKS:

4. Pumps IRH-PU-2A, IRH-PU-2B, IRH-PU-2C, IHP-PU2, and ILP-PU2 are permanently installed in a concrete cavity, making some of the pump casing welds exempt from in-service examination requirements in accordance with Section IWC-1230. A visual inspection for evidence of leakage is conducted during the system pressure test of IWC-5000.

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IHP-PU2-1	E-F	C6.10		14	40	SA-106	GEL-2049	PT	2	NA	
IHP-PU2-2	P-E	C6.10		6	120	SA-333	GEL-2049	PT	2	NA	
IHP-PU2-3	PL-E	C6.10		14	40		GEL-2049	PT	2	NA	
IHP-PU2-4	PL-SH	C6.10		36		SA-106	GEL-2049	PT	2	NA	
IHP-PU2-5	P-SH	C6.10		24	40	SA-106	GEL-2049	PT	2	NA	
IHP-PU2-6	P-F	C6.10		24	40		GEL-2049	PT	2	NA	
IHP-PU2-7-A	PULS	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-7-B	PULS	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-7-C	PULS	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-8-A	SH-SH	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-8-B	SH-SH	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-8-C	HD-SH	C6.10		36			GEL-2049	PT	2	NA	
IHP-PU2-9	HD-SP	C6.10		6	NA	NA	GEL-2049	PT	2	NA	

System HP Loop

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
ILP-PU2-1	P-F	C6.10		14	40	SA-106	GEL-2050	PT	2	NA	
ILP-PU2-2	P-E	C6.10		6	120	SA-133	GEL-2050	PT	2	NA	
					40	SA-106		PT	2	NA	
ILP-PU2-3	PL-E	C6.10		14	40	SA-106	GEL-2050	PT	2	NA	
ILP-PU2-4	PL-SH	C6.10		36			GEL-2050	PT	2	NA	
ILP-PU2-5	P-SH	C6.10		24	40	SA-106	GEL-2050	PT	2	NA	
ILP-PU2-6	P-F	C6.10		24	40	SA-106	GEL-2050	PT	2	NA	
ILP-PU2-7	SH-SH	C6.10		36			GEL-2050	PT	2	NA	
ILP-PU2-8	SH-HD	C.610		36			GEL-2050	PT	2	NA	
ILP-PU2-9	HD-SP	C6.10		6	NA	NA	GEL-2050	PT	2	NA	

System LP Loop -

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-PU2A-1	E-F	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-2	P-E	C6.10		6	120	SA-133	GEL-1108	PT	2	NA	
					40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-3	PL-E	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-4	PL-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2A-5	P-SH	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-6	P-F	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-7A	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2A-7B	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2A-7C	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2A-8A	SH-SH	C6.10		36	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-8B	SH-SH	C6.10		36	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-8C	HD-SH	C6.10		36	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2A-9	HD-SP	C6.10		6	40	SA-106	GEL-1108	PT	2	NA	

System RH Loop A

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-PU2B-1	E-F	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2B-2	P-E	C6.10		6	120	SA-133	GEL-1108	PT	2	NA	
					40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2B-3	PL-E	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2B-4	PL-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-5	P-SH	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2B-6	P-F	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2B-7A	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-7B	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-7C	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-8A	SH-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-8B	SH-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-8C	HD-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2B-9	HD-SP	C6.10		6	NA	NA	GEL-1108	PT	2	NA	

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRH-PU2C-1	E-F	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-2	P-E	C6.10		6	120	SA-133	GEL-1108	PT	2	NA	
					40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-3	PL-E	C6.10		14	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-4	PL-SH	C6.10		36	NA	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-5	P-SH	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-6	P-FL	C6.10		24	40	SA-106	GEL-1108	PT	2	NA	
IRH-PU2C-7A	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-7B	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-7C	PULS	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-8A	SH-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-8B	SH-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-8C	HD-SH	C6.10		36			GEL-1108	PT	2	NA	
IRH-PU2C-9	HD-SP	C6.10		6	NA	NA	GEL-1108	PT	2	NA	

System RH Loop C

GE-I4 Rev. 1

Commonwealth Edison
LaSalle County Nuclear Station Unit 2

LaSalle County Station Unit 2
Exam/Component Identification For
ASME Section XI Examination Category C-G

00 EXAM/COMP. I.D.NO.	01 COMP. FIG.	02 ITEM NO.	03 WELD TYPE	04 NOM. PIPE SIZE	05 NOM. TKNS	06 MTL. SPEC	07 DWG. NO.	08 EXAM TYPE	09 PROC. NO.	10 CAL. STD.NO.	11 REMARKS
IRI-PU2-1	N-PC	C6.10		6"	NA		GEL-1107	PT	2	NA	
IRI-PU2-2	PC-N	C6.10		6"	NA		GEL-1107	PT	2	NA	

System ~~RI~~ Loop

GE-I4 Rev. 1

ASME SECTION XI CATEGORY C-H

COMPONENT TO BE INSPECTED:

All pressure retaining components[1,7].

AREAS SUBJECT TO EXAMINATIONS:

The pressure retaining components of pressure vessels, piping, pumps, and valves.

EXTENT AND FREQUENCY OF EXAMINATIONS:

Program such that 100% of the pressure retaining boundary[5] is examined per ASME Section XI, Table IWC-2412-1.

METHOD OF EXAMINATION(S):

System pressure test and visual examination [2,3].

System hydrostatic test and visual examination [3,4,6].

REMARKS:

1. Other than open-ended portions of systems.
2. System pressure tests of IWA-5000 and IWC-5000.
3. Visual examination of IWA-5240.
4. The system hydrostatic test (IWC-5222) shall be conducted at or near the end of each inspection interval or during the same inspection period of each inspection interval of Inspection Program B.
5. The pressure retaining boundary includes only those portions of the system required to operate or support the safety system function up to and including the first normally closed valve (including a safety or relief valve) or valve capable of automatic closure when the safety function is required.
6. A system hydrostatic test (IWC-5222) and accompanying VT-2 examination are acceptable in lieu of the system pressure test (IWC-5221) and VT-2 examination.
7. See the Component and Piping Line Number Table (CPLN) for the Class 2 Category C-H components.

Class 3 systems require only a visual examination during pressure tests. The Inservice Inspection Program Component and Piping Line Number Table: CPLN contains those components and lines to be tested.

TO BE SUPPLIED LATER

AUGMENTED INSERVICE INSPECTIONS

Augmented Inservice Inspections (AISI) are not ASME Section XI Code requirements but are 1) additional examination area requirements, or 2) increased inspection frequency requirements or combinations of both which are requested by the Nuclear Regulatory Commission. When components fall into the scheduled testing of both ISI and AISI, credit for both requirements is taken (no double testing).

There are presently 4 types of Augmented Inservice Inspections required at LaSalle County Nuclear Stations:

Type	Description
1A	The ASME Category B-F and B-J welds of the high energy line break exclusion regions as identified in the FSAR and requested by the NRC. See response to FSAR Q111.72.
1B	Examinations of the Feedwater Nozzle Inner Radii, Nozzles Bores, Nozzle Safe Ends, and Spargers, as requested by the NRC in NUREG-0619.
1C	Examinations of the High and Low Pressure Core Spray Spargers and the associated piping inside the RPV each refueling outage, as requested by the NRC in IE Bulletin No. 80-13.
2A	Examinations of the Reactor Core Isolation Coolant lines that are exempted by ASME Section XI, IWC-1220(b), but are examined due to the NRC requesting this system be treated as an essential system.

Augmented Inservice Inspection Type 1A

The following ASME Category B-F and B-J welds receive 100% volumetric examination each inspection interval, except as noted. Those welds marked by an asterisk receive alternate examinations (See RI-05 for alternate examination).

For further information on a component, such as configuration, material, cal. std., etc., see Tab 11 "ASME Category B-F", or Tab 15 "ASME Category B-J".

Feedwater

IFW-2004-6
IFW-2004-6LD
IFW-2004-7
IFW-2004-7LD
IFW-2004-7LU
IFW-2004-8
IFW-2004-8LU
IFW-2004-9*
IFW-2004-9LD*
IFW-2004-10
IFW-2004-10LU

IFW-2005-6
IFW-2005-6LD
IFW-2005-7
IFW-2005-7LD
IFW-2005-7LU
IFW-2005-8
IFW-2005-8LU
IFW-2005-9*
IFW-2005-9LD*
IFW-2005-10
IFW-2005-10LU

High Pressure Core Spray

IHP-2001-2
IHP-2001-6
IHP-2001-7
IHP-2001-8
IHP-2001-9
IHP-2001-10
IHP-2001-11
IHP-2001-12
IHP-2001-13
IHP-2001-14
rHP-2001-15
IHP-2001-16

Low Pressure Core Spray

ILP-2001-1
ILP-2001-6
ILP-2001-7
ILP-2001-8
ILP-2001-9
ILP-2001-10
ILP-2001-11
ILP-2001-12
ILP-2001-13
ILP-2001-14
ILP-2001-15
ILP-2001-16

Main Steam

IMS-2051-13
IMS-2051-13LD
IMS-2051-14*
IMS-2051-14LU*
IMS-2051-17
IMS-2051-17LD
IMS-2051-20
IMS-2051-20LU

IMS-2052-12
IMS-2052-12LD
IMS-2052-13*
IMS-2052-13LU*
IMS-2052-15
IMS-2052-15LD
IMS-2052-16
IMS-2052-16LU

IMS-2053-12
IMS-2053-12LD
IMS-2053-13*
IMS-2053-13LU*
IMS-2053-15
IMS-2053-15LD
IMS-2053-18
IMS-2053-18LU

Main Steam

IMS-2054-13
IMS-2054-13LD
IMS-2054-14*
IMS-2054-14LU*
IMS-2054-15
IMS-2054-15LD
IMS-2054-18
IMS-2054-18LU

IMS-2046-13
IMS-2046-15

Residual Heat Removal

IRH-2001-1
IRH-2001-6
IRH-2001-7
IRH-2001-8
IRH-2001-9
IRH-2001-10
IRH-2001-11
IRH-2001-11A
IRH-2001-11B
IRH-2001-11C
IRH-2001-12
IRH-2001-13
IRH-2001-14A
IRH-2001-15

IRH-2002-1
IRH-2002-2
IRH-2002-3
IRH-2002-10
IRH-2002-12
IRH-2002-14
IRH-2002-16
IRH-2002-17
IRH-2002-18
IRH-2002-19

Augmented Inservice Inspection Type 1A (Cont'd)

Residual Heat Removal (Cont'd)

IRH-2003-2
IRH-2003-6
IRH-2003-7
IRH-2003-8
IRH-2003-9
IRH-2003-10
IRH-2003-11
IRH-2003-11A
IRH-2003-12
IRH-2003-13
IRH-2003-13A
IRH-2003-14
IRH-2003-15

IRH-2004-1
IRH-2004-2
IRH-2004-9
IRH-2004-11
IRH-2004-12
IRH-2004-14
IRH-2004-15
IRH-2004-15A
IRH-2004-15B
IRH-2004-17
IRH-2004-18

IRH-2005-2
IRH-2005-8
IRH-2005-12
IRH-2005-15
IRH-2005-16
IRH-2005-18
IRH-2005-19
IRH-2005-20
IRH-2005-21
IRH-2005-23

IRH-2031-10
IRH-2031-13
IRH-2031-13ALD
IRH-2031-13BLD
IRH-2031-17
IRH-2031-17ALU
IRH-2031-17BLU
IRH-2031-24

Residual Heat Removal (Cont'd)

IRH-2031-24ALD
IRH-2031-24BLD
IRH-2031-30
IRH-2031-30ALU
IRH-2031-30BLU
IRH-2031-37
IRH-2031-40
IRH-2031-42
IRH-2031-42ALD
IRH-2031-42BLD
IRH-2031-44
IRH-2031-44ALU
IRH-2031-44BLU
IRH-2031-52
IRH-2031-57

Reactor Core Isolation Coolant

IRI-2001-2
IRI-2001-4
IRI-2001-5
IRI-2001-6
IRI-2001-7
IRI-2001-8
IRI-2001-9
IRI-2001-10
IRI-2001-11
IRI-2001-15
IRI-2001-16
IRI-2001-17
IRI-2001-18
IRI-2001-19
IRI-2001-20
IRI-2001-21
IRI-2001-22
IRI-2001-23
IRI-2001-24
IRI-2001-25
IRI-2001-26

Reactor Core Isolation Coolant

IRI-2002-1
IRI-2002-2
IRI-2002-3
IRI-2002-4
IRI-2002-5
IRI-2002-6
IRI-2002-7

IRI-2003-9
IRI-2003-10
IRI-2003-12
IRI-2003-13
IRI-2003-14
IRI-2003-15
IRI-2003-16
IRI-2003-17
IRI-2003-18
IRI-2003-19
IRI-2003-20
IRI-2003-21
IRI-2003-22
IRI-2003-23
IRI-2003-24
IRI-2003-25
IRI-2003-26

Reactor Water Clean-Up

IRT-2001-24
IRT-2001-25
IRT-2001-26
IRT-2001-27
IRT-2001-28
IRT-2001-29
IRT-2001-30
IRT-2001-31
IRT-2001-32
IRT-2001-33
IRT-2001-37
IRT-2001-38

Augmented Inservice Inspection Type 1B

The feedwater components listed in Table 1 receive examination per Section 4.3.2.3 of NUREG-0619 and Table 2. As required by Section 4.4.3.1 of NUREG-0619, within 6 months of completing an outage at which an inspection was performed in accordance with Table 2, the licensee must submit a detailed report discussing the inspection(s) performed. Information required includes:

(a) Number of startup/shutdown cycles since the previous inspection, and the total number of cycles. This will include cycles accumulated during the initial startup and testing of the plant.

(b) Summary of methods used and results of previous inspections, including maximum crack depth and number of cracks found in previous PT-and-grind operations, and number of startup/shutdown cylces between such inspections.

(c) Description of any additional system changes or changes in operating procedures that will affect feedwater flow or temperature and that should be considered in predicting future cracking tendencies based on past history.

(d) A detailed discussion of the inspection results, including a complete description of cracking location, dimensions, and profile, if cracking was found. Drawings and photographs, if available, are requested.

(e) Information regarding the results of leakage monitoring. However, the staff must be informed immediately if on-line leakage monitoring during operation discloses any leakage on welded spargers or leakage on the order of 0.3 gpm through single-sleeve/single-piston-ring spargers or triple-sleeve spargers.

(f) Information regarding all UT crack-like indications and any subsequent PT indications. Information regarding UT techniques should be as precise and as extensive as possible in order that it may be of benefit in future inspections.

(g) The above information is to be submitted to the Regional Director, IE, with copies to Director, IE, and Director, NRR.

Table 1
Components Receiving Examination

Exam./Component I.D. No.	For Further Information[1] See:
2 - NIR - 4A (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - NIR - 4B (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - NIR - 4C (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - NIR - 4D (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - NIR - 4E (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - NIR - 4F (and Nozzle Bore)	Tab 9 "ASME Category B-D"
2 - Feedwater Spargers	Tab 21 "ASME Category B-N-1"
IFW-2001-20A	Tab 11 "ASME Category B-F"
IFW-2001-26A	Tab 11 "ASME Category B-F"
IFW-2001-29A	Tab 11 "ASME Category B-F"
IFW-2002-20A	Tab 11 "ASME Category B-F"
IFW-2002-26A	Tab 11 "ASME Category B-F"
IFW-2002-29A	Tab 11 "ASME Category B-F"

[1]Further information such as: examination type, material specification, calibration standard, etc.

Table 2

Routine Inspection Intervals

Configuration	Inspection Interval-Refueling Cycles (or Startup/shutdown Cycles)		
	UT	Visual Inspection of Sparger[1]	Routine PT[2,3]
Triple-sleeve spargers with two piston-ring seals, clad removed.	2	4	9 (or 135)

[1]Visual inspection of flow holes and welds in sparger arms and sparger tees.

[2]To be performed even if the UT and leak test results are satisfactory.

[3]The routine PT consists of removal of a sparger from one nozzle followed by flapper wheel grinding of the nozzle and PT examination of both the nozzle and the accessible portions of the other feedwater nozzles.

[4]The UT examination consists of external UT examination of all feedwater nozzle safe ends, nozzles bores, and nozzle blend radii.

[5]If UT recordable indications are interpreted to be cracks in any nozzle(s), remove the sparger(s) from the nozzle(s), perform PT examination on the nozzle bore and nozzle blend radius, and repair. Also, perform PT examination on the accessible portions of the remaining nozzles.

Augmented Inservice Inspection Type 1C

Visual examination of the High and Low Pressure Core Spray Spargers and the associated piping inside the RPV is performed each refueling outage, as requested by the NRC in IE Bulletin No. 80-13. The visual examination is performed using LaSalle County Station Procedure LTS 600-8.

Augmented Inservice Inspection Type 2A

The components of the Reactor Core Isolation Coolant piping lines listed in Table 3 are exempt from examination by ASME Section XI, IWC-1220(b). Due to the NRC requesting this system be treated as an essential system, the components are scheduled for examination using ASME Section XI selection criteria. For further information, see Tab 5 "Component and Piping Line Number Table: CPLN". The type and number of components requiring examination are listed in the CPLN.

Table 3
RCIC System AISI Piping Lines

2RI02A
2RI02B
2RI02C
2RI12A
2RI16A
2RI16B
2RI17A
2RI24A
2RI40B
2RI43B

*CONDENSED LISTING OF S&L LSCS PIPING DESIGN TABLES

TABLE	SUBJECT
105LS	Carbon Steel (Butt-weld Joints with Tig Welds)
106LS	Carbon Steel
306LS	Carbon Steel (Butt-weld Joints with Tig Welds)
307LS	Carbon Steel (Butt-weld Joints with Tig Welds)
900LS	Carbon Steel (Butt-weld Joints with Tig Welds)
901LS	Carbon Steel (Butt-weld Joints with Tig Welds)
902LS	Carbon Steel (Butt-weld Joints with Backing Rings)
903LS	Carbon Steel (Butt-weld Joints with Tig Welds)
904LS	Carbon Steel
905LS	Carbon Steel (Butt-weld Joints with Tig Welds)
906LS	Carbon Steel (Butt-weld Joints with Tig Welds)
907LS	Carbon Steel (Butt-weld Joints with Tig Welds)
948LS	304 Stainless Steel Pipe - 316 Stainless Steel Valves and Flanges (Butt-weld Joints with Tig Welds)
949LS	304 Stainless Steel Pipe - 316 Stainless Steel Valves and Flanges (Butt-weld Joints with Tig Welds)
1502LS	Carbon Steel (Butt-weld Joints with Tig Welds)
1503LS	Carbon Steel (Butt-weld Joints with Tig Welds)
141	304 Stainless Steel (Butt-weld Joints with Tig Welds)
340	304 Stai 'ess Steel (Butt-weld Joints with Tig Welds)

*Only those S&L Design Tables necessary for the ISI are included.

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "105LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material:

a. Sizes 24 in. and smaller.....	Seamless carbon steel. ASTM A106, Gr. B; *and/or ASME SA-106, Gr. B.
b. Sizes larger than 24 in.	Welded carbon steel plate. Pipe diameter to be nom. O.D., unless otherwise indicated. ASTM A155, Gr. KCF 70, Class 1; *and/or ASME SA-155, Gr. KCF70, Class 1.

1.2 Wall Thickness:

a. Sizes 2 in. and smaller.....	Schedule 80
b. Sizes 2-1/2 through 10 in.	Schedule 40
c. Sizes 12 through 24 in.	3/8 in. nom. (std. weight).
d. Sizes larger than 24 in.	3/8 in. nom.

1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller.....	Socket-weld.
2.2 Sizes 2-1/2 through 24 in.	Butt-weld with TIG welding and consumable insert, per Item 3 of Std. MF-207.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T, as shown on Std. MF-270.8.5 and MF-270.8.6.
2.3 Sizes larger than 24 in.	Butt-weld with TIG welding and consumable insert, per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T, as shown on the design drawings or as otherwise acceptable to the Consulting Engineers.

2.4 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1 Flanges:

a. Material.....	ASTM A105, or A181 Gr. II; *and/or ASME SA-105, or SA-181 Gr. II.

REV.

b. Type:

b1. Sizes 2 in. and smaller.....	150 lb std., socket-weld, per ANSI B16.5, with 1/16 in. raised face and serrated face finish.
b2. Sizes 2-1/2 through 24 in.	150 lb std., slip-on or welding neck, per ANSI B16.5, with 1/16 in. raised face and serrated face finish.
b3. Sizes larger than 24 in.	Steel hub slip-on type, per AWWA C-207 - Class E, with 1/16 in. raised face and serrated face finish, or approved equal, and in accordance with the applicable requirements of ANSI B16.5.

Note 1: Where a 150 lb steel flange mates with a 125 lb cast iron flange, the 150 lb raised face shall be machined flat.

3.2 Bolting:

a. Bolts.....	Stud bolts. ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.

3.3 Gaskets:

a. For all systems except oil systems.....	Spiral wound metallic, asbestos filled, except joints with flat face flanges shall have a 1/16 in. thick compressed asbestos composition gasket, full faced.
b. For oil systems.....	1/16 in. thick, oil resistant, compressed asbestos impregnated with chloroprene rubber, ring type, suitable for flange joint facing except joints with flat face flanges shall have full face gaskets.

4. FITTINGS

4.1 Sizes 2 in. and smaller.....	Socket weld. 3000 lb std. ASTM A105, or A181 Gr. II; *and/or ASME SA-105, Gr. II or SA-181, Gr. II.
4.2 Sizes 2-1/2 in. through 24 in.	Butt-weld. ASTM A234, Gr. WPB *and/or ASME SA-234, Gr. WPB.
4.3 Sizes larger than 24 in.	Butt-weld ASTM A234 Gr. WPB *and/or ASME SA-234 Gr. WPB Special Design or ASTM A234 Gr. WPC *and/or ASME SA 234 Gr. WPC (if WPB fittings are used fittings shall be suitable for the design conditions specified for the specific line as specified on the piping line list). D

4.4 Inspection and Tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

Note 2: Companion flanges shall be used for unions.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 150 lb Class table in the document.

a. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

c. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein.

d. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable.

*The ASME SA- materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

REV.

5. VALVES

5.1 Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A105, or A216 Gr. WCB; *and/or ASME SA-105, or SA-216 Gr. WCB.
5.2 Type:	
a. Gate Valves:	
a1. Sizes 2 in. and smaller.....	600 lb std., socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, solid wedge disc, nickel alloy or hardened stainless steel seating surfaces.
a2. Sizes 2-1/2 in. and larger.....	150 lb std., butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, solid or flexible wedge disc, welded-in or renewable seat rings, nickel alloy or hardened stainless steel seating surfaces.
b. Globe and Angle Valves:	
b1. Sizes 2 in. and smaller.....	600 lb std., socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, nickel alloy or hardened stainless steel seating surfaces.
b2. Sizes 2-1/2 in. and larger.....	150 lb std., butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel type disc, renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.
c. Check Valves:	
c1. Sizes 2 in. and smaller.....	600 lb std., socket-weld bolted cap, 11 to 13% chrome trim, nickel alloy or hardened stainless steel seating surfaces, piston or swing type.
c2. Sizes 2-1/2 in. and larger.....	150 lb std., butt-weld, bolted cap, stainless steel trim, renewable seat ring, swin or nonslam type as specified.
d. Butterfly Valves: (For water service only) Sizes 1 in. and larger.....	Steel body, flangeless type to fit the pipe flanges specified above. Streamlined Ni-resist Type 1 disc, 18-8 stainless steel straight through shaft, resilient rubber seat bonded to body, nylon bearings leakproof packing or "O" rings. Rubber shall be of a type suitable for the service specified and acceptable to the Consulting Engineers.

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REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "106LS"
CARBON STEEL

1. DESIGN CONDITIONS..... As listed on the Pipe line list.

2. CODE CLASSIFICATION (S&L)..... C

3. PIPE

3.1 Material:

a. Sizes 24 in. and smaller..... Seamless carbon steel. ASME SA-106, Gr. B.

b. Sizes larger than 24 in. ..... Welded carbon steel plate. ASME SA-155, Gr. KC65, Class 2.

3.2 Wall Thickness:

a. Sizes 2 in. and smaller..... Schedule 80

b. Sizes 2-1/2 through 10 in. ..... Schedule 40

c. Sizes 12 in. through 24 in. ..... 3/8 in. nom. (std. weight).

d. Sizes larger than 24 in. ..... 3/8 in. nom.

A 3.3 Inspection and Tests: In addition to the inspection and tests required by the applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

4. TYPE OF PIPING FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

4.1 Sizes 2 in. and smaller..... Socket-weld.

B 4.2 Sizes 2-1/2 in. through 24 in. ..... Butt-weld with flat backing ring per Std. MF-270.8.4.

4.3 Sizes larger than 24 in. ..... Butt-weld with flat backing ring. Welding end detail per Std. MF-270.8.4. Dimensions to be as indicated on the design drawings and/or as approved.

4.4 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

5. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

5.1 Flanges:

a. Material..... ASME SA-105, or SA-181 Gr. II.

b. Type..... 1/16 in. raised face and serrated face finish, and as follows:

		Rev.
b1. Sizes 2 in. and smaller.....	Socket-Weld, 150 lb std. per ANSI B16.5.	A
b2. Sizes 2-1/2 through 24 in.	Welding neck or slip-on, 150 lb std. per ANSI B16.5.	
b3. Sizes larger than 24 in.	Steel hub slip-on type per AWWA C-207, Class E, or approved equal, and in accordance with the applicable requirements of ANSI B16.5.	
5.2 Bolting:		
a. Bolts.....	Stud bolts. ASME SA-193, Gr. B7.	
b. Nuts.....	ASME SA-194, Gr. 2H.	
5.3 Gaskets.....	Spiral wound metallic-asbestos filled except joints with flat face flanges shall have a 1/16 in. thick compressed asbestos composition gasket, full faced.	

Note 1: Where a 150 lb steel flange mates with a 125 lb cast iron flange, the 150 lb raised face shall be machined flat.

6. FITTINGS

Sizes 2 in. and smaller.....	Socket-weld. 3000 lb std. ASME SA-105, or SA-181 Gr. II.	A
6.2 Sizes 2-1/2 in. and larger.....	Butt-weld. ASME SA-234, Gr. WPB.	

Note 2: Companion flanges shall be used for unions.

6.3 General: Fittings shall conform to the applicable requirements of Form 278.		A
6.4 Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		A

7. VALVES

7.1 Body and Bonnet Material.....	Forged or cast carbon steel. ASME SA-105, or SA-216 Gr. WCB.	A
7.2 Type:		
a. Gate Valves:		
a1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, solid wedge disc, nickel alloy or hardened stainless steel seating surfaces.	
a2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, solid or flexible wedge disc, welded-in or renewable seat rings, nickel alloy or hardened stainless steel seating surfaces.	

REV.

b. Globe and Angle Valves:

b1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, nickel alloy or hardened stainless steel seating surfaces.
b2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel type disc, renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.

c. Check Valves:

c1. Sizes 2 in. and smaller.....	Socket-weld, bolted cap, 11 to 13% chrome trim, nickel alloy or hardened stainless steel seating surfaces, piston or swing type.
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted cap, stainless steel trim, renewable seat ring, swing or nonslam type as specified.

d. Butterfly Valves: (For water service only) Sizes 1 in. through 24 in.	Steel body, flangeless type to fit 150 lb ANSI Std. pipe flanges. Streamlined Niresist Type 1 disc, 18-8 stainless steel straight through shaft, resilient rubber, seat bonded to body, nylon bearings, leakproof packing or "O" rings. Rubber to be of a type suitable for the service specified and acceptable to the Consulting Engineers.

7.3 Design: Valves shall be designed in accordance with the applicable requirements of ANSI B16.5 and Table 2 therein and shall have pressure-temperature ratings equal to or greater than the ratings of the 150 lb class therein.

A 7.4 General: In respects other than those above, valves shall be in accordance with the applicable requirements of Form 271.

7.5 Inspection and Testing: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

8. TEST DATA, ETC.

A The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASME Specification and the governing code, as applicable.

SPECIAL NONDESTRUCTIVE EXAMINATION

9.1 Radiography of pressure containing welds in accordance with Paragraph 3.4.1 of Form 410 is not required.

9.2 All pressure containing welds in piping greater than 4 inches nominal pipe size shall receive a magnetic particle examination in accordance with Article 4.3 of Form 410.

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 8-16-72
Rev.B: 1-29-74

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "306LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

REV.

1. PIPE

1.1 Material..... Seamless carbon steel. ASTM A106, Gr. B; *and/or ASME SA-106, Gr. B.

1.2 Wall Thickness:

a. Sizes 2 in. and smaller..... Schedule 80

b. Sizes 2-1/2 in. through 10 in. .... Schedule 40

c. Sizes 12 through 24 in. ..... 3/8 in. nom. wall (std. weight)

B 1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

B 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 through 24 in. ..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-207.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T, as shown on Std. MF-270.8.5 and MF-270.8.6.

B 2.3 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

3. FLANGED JOINTS (used only where specifically designated on the design drawings.

3.1 Flanges:

B a. Material..... ASTM A105, or A181 Gr. II; *and/or ASME SA-105, or SA-181 Gr. II.

b. Type..... 300 lb std. with 1/16 in. raised face and serrated face finish, and as follows

b1. Sizes 2 in. and smaller..... Socket-weld.

b2. Sizes 2-1/2 in. through 24 in. ... Welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.

b. Nuts..... ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.

3.3 Gaskets..... Spiral wound metallic, asbestos filled, except for oil service use 1/16 in. thi oil-resistant, compressed asbestos impregnated with chloroprene rubber, ring type suitable for 1/16 in. raised face.

			Rev.
4.	FITTINGS		
4.1	Sizes 2 in. and smaller.....	Socket-weld, 3000 lb. std. ASTM A105, or A181 Gr. II; *and/or ASME SA-105, or SA-181 Gr. II.	B
4.2	Sizes 2-1/2 through 24 in.	Butt-weld, ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.	
4.3	Inspection and Tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		B
5.	VALVES		
5.1	Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A105 or A216, Gr. WCB; *and/or ASME SA-105 or SA-216, Gr. WCB.	B
5.2	Type:		
	a. Gate Valves:		
	a1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, solid wedge disc, nickel alloy or hardened stainless steel seating surfaces.	
	a2. Sizes 2-1/2 in. and larger.....	Butt-weld, bonnet, OS & Y, 11 to 13% chrome trim, solid or flexible wedge disc, welded-in or renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.	
	b. Globe and Angle Valves:		
	b1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, nickel alloy or hardened stainless steel seating surfaces.	
	b2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.	
	c. Check Valves:		
	c1. Sizes 2 in. and smaller.....	Socket-weld, bolted cap, 11 to 13% chrome trim, renewable or integral seat ring, nickel alloy or hardened stainless steel seating surfaces, piston type.	

REV.

c2. Sizes 2-1/2 in. and larger..... Butt-weld, bolted cap, stainless steel trim, renewable seat ring, swing or nonslam type as specified.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 300 lb. Class table in the document.

a. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressur ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

c. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein.

d. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

B

B 5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicabl

*ASME SA- materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 1-7-72
Rev.: 8-16-72
Rev.B: 1-31-73
Rev.C: 1-29-74

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "3071S"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material..... Seamless carbon steel. ASTM A106, Gr. B; *and/or ASME SA-106, Gr. B.

1.2 Wall Thickness:

a. Sizes 2 in. and smaller..... Schedule 160

b. Size 3 in. ..... Schedule 80

c. Sizes 3-1/2 through 24 in. ..... Schedule 40

C 1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

C 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 through 24 in. ..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-207.8.1. Welding end detail per Std. MF-207.8.2, with dimensions A, B, C and T, as shown on Std. MF-270.8.5 and MF-270.8.6.

C 2.3 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

3. FLANGED JOINTS (Used only where specifically and designated on the design drawings.)

3.1 Flanges:

C a. Material..... ASTM A105, or A181 Gr. II; *and/or ASME SA-105, or SA-181 Gr. II.

b. Type..... 300 lb. std. with 1/16 in. raised face, with serrated finish, and as follows:

b1. Sizes 2 in. and smaller..... Socket-weld.

b2. Sizes 2-1/2 through 24 in. ..... Welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.

b. Nuts..... ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.

3.3 Gaskets.....	Spiral wound metallic, asbestos filled, except for oil service use 1/16 in. thick oil-resistant, compressed asbestos impregnated with Chloroprene rubber, ring type suitable for 1/16 in. raised face.	
4. FITTINGS		
4.1 Sizes 2 in. and smaller.....	Socket-weld. 6000 lb. std. ASTM A105, or A181 Gr. II;	C
	*and/or ASME SA-105, or SA-181 Gr. II.	C
4.2 Sizes 2-1/2 through 24 in.	Butt-weld. ASTM A234, Gr. WPB;	
	*and/or ASME SA-234, Gr. WPB.	
4.3 Inspection and Tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		C
5. VALVES		
5.1 Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A105, or A216 Gr. WCB;	C
	*and/or ASME SA-105, or SA-216 Gr.WCB.	C
5.2 Type:		
a. Gate Valves:		
a1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, solid wedge disc, nickel alloy or hardened stainless steel seating surfaces.	
a2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, solid or flexible wedge, welded-in or renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.	
b. Globe and Angle Valves:		
b1. Sizes 2 in. and smaller.....	Socket-weld, bolted or welded bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, nickel alloy or hardened stainless steel seating surfaces.	
b2. Sizes 2-1/2 in. and larger.....	Butt-weld, bolted bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, renewable seat ring, nickel alloy or hardened stainless steel seating surfaces.	

REV.

c. Check Valves:

c1. Sizes 2 in. and smaller..... Socket-weld, bolted cap, 11 to 13% chrome trim, renewable or integral seat ring, nickel alloy or hardened stainless steel seating surfaces, piston type.

c2. Sizes 2-1/2 in. and larger..... Butt-weld, bolted cap, stainless steel trim, renewable seat ring, swing or nonslam type as specified.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping systems classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 300 lb. Class table in the document.

a. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

c. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein.

d. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

C

C 5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

C 6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable.

*The ASME SA- materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "900LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

REV.

1. PIPE

1.1 Material:

a. Sizes 24 in. and smaller.....	Seamless carbon steel. ASTM A106, Gr. B *and/or ASME SA-106, Gr. B.
F b. Sizes larger than 24 in.	Welded carbon steel plate or Seamless Carbon Steel pipe diameter to be nom. O.D., unless otherwise indicated. ASTM A155, Gr. KCF70, Class 1; *and/or ASME SA-155, Gr. KCF70, Class 1. or ASTM A 106 Gr. C *and/or ASME SA-106 Gr. C.

1.2 Wall Thickness:

a. Sizes 24 in. and smaller.....	Schedule 80
b. Sizes larger than 24 in.	Special wall, with minimum as follows:
b1. 26 in. O.D. size.....	0.967 in. min. wall.
b2. 28 in. O.D. size.....	1.041 in. min. wall.
b3. 36 in. O.D. size.....	1.335 in. min. wall.

1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller.....	Socket-weld.
2.2 Sizes 2-1/2 through 24 in.....	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2. with dimensions A, B, C and T as shown on Std. MF-270.8.5 and MF-270.8.6.
2.3 Sizes larger than 24 in.	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end details per Std. MF-270.8.2, with dimensions A and C as follows: (in. (Note: Supplier to specify dimensions B and T as these are nominal dimensions.)

	"A"	"C"
a. Size 26 in.	26.00	23.993
b. Size 28 in.	28.00	25.844
c. Size 36 in.	36.00	33.249

2.4 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

		REV.
3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)		
3.1 Flanges:		
a. Material.....	ASTM A105; *and/or ASME SA-105.	
b. Type.....	1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:	
b1. Sizes 2 in. and smaller.....	1500 lb. socket-weld, per ANSI B16.5.	
b2. Sizes 2-1/2 in.	1500 lb welding neck, per ANSI B16.5.	
b3. Sizes 3 in. through 24 in. ...	900 lb. welding neck, per ANSI B16.5.	
b4. Sizes larger than 24 in.	As approved.	
3.2 Bolting:		
a. Bolts.....	Stud bolts. ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.	
b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.	
3.3 Gaskets.....	Spiral wound metallic, asbestos filled.	
4. FITTINGS		
4.1 Sizes 2 in. and smaller.....	Socket-weld, 3000 lb std. ASTM A105; *and/or ASME SA-105.	
4.2 Sizes 2-1/2 in. through 24".....	Butt-weld. Special design for fittings connecting to plate pipe. ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.	
4.3 Sizes larger than 24 in.	Butt-weld SDTM-A-234, Gr. WPB *and/or ASME A-234, Gr. WPB, Special Design or ASTM A-234, Gr. WPC *and/or ASME A-234, Gr. WPC (if WPB fittings are used fittings shall be suitable for the design conditions for the specific line as specified on the piping line list).	F
4.4 Inspection and Tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		
5. VALVES		
5.1 Body and Bonnet Material.....	Formed or cast carbon steel. ASTM A106, or A216 Gr. WCB; *and/or ASME SA-105, or SA-216 Gr. WCB.	
5.2 Type:		
a. Gate Valves:		
a1. Sizes 2-1/2 in. and larger....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.	
b. Globe and Angle Valves:		
b1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.	

REV.

b2. 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug seat.
c. Check Valves:	
c1. Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. class table in the document.

a. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P. V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P. V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P. V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P. V. Code.)

c. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be 600 lb. std. rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

d. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable.

*ASME SA- materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 9-8-71
Rev: 8-16-72
Rev.C: 1-31-73
Rev.D: 1-29-74

LA SALLE COUNTY STATION

PIPING DESIGN TABLE "901LS" (ASME SECTION III - CLASS 1)

CARBON STEEL

(BUTT-WELD JOINTS WITH TIG WELDS)

REV.

1. PIPE

	1.1 Material.....	Seamless carbon steel. ASME SA-106 Gr. normalized, or SA-333, Gr. 6.
	1.2 Wall Thickness:	
	a. Sizes 3 in. and smaller.....	Schedule 160
	b. Sizes 4 in. through 6 in.	Schedule 120
	c. Sizes 8 in. through 24 in.	Schedule 100
D	1.3 Inspection and Tests: In addition to the inspection and tests required by th applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereo except where otherwise noted herein.	

D 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

	2.1 Sizes 2 in. and smaller.....	Socket-weld.
	2.2 Sizes 2-1/2 in. through 24 in.	Butt-weld with TIG welding and consumabl insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T as shown on Std. MF-270.8.5 and MF-270.8.6.
D	2.3 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 409, except where otherwise noted herein.	

3. FLANGED JOINTS (Not used unless specifically designated on the design drawings.

	3.1 Flanges:	
D	a. Material.....	ASME SA-105 normalized, or SA-350 Gr. LF-2.
	b. Type.....	1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:
	b1. Sizes 2 in. and smaller.....	1500 lb socket-weld.
	b2. Size 2-1/2 in.	1500 lb welding neck.
	b3. Sizes 3 through 24 in.	900 lb welding neck.
	3.2 Bolting:	
	a. Bolts.....	Stud bolts, ASME SA-193, Gr. B7.
	b. Nuts.....	ASME SA-194, Gr. 2H.
	3.3 Gaskets.....	Spiral wound metallic, asbestos filled.

		Rev.
FITTINGS		
Sizes 2 in. and smaller.....	Socket-weld, 600 lb. Std. ASME Sa-105 normalized, or SA-350 Gr. LF-2.	D
Sizes 2-1/2 through 24 in.	Butt-weld. ASME-SA-234 Gr. WPB normalized, or SA-420 Gr. WPL 6.	
Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		D
VALVES		
Materials.....	Forged or cast carbon steel, per ASME SA-105 normalized, or SA-216 GR. WCB normalized, or SA-352 GR. LCB or SA-350 Gr. LF-2.	D
Type:		
a. Gate Valves:		
a1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, solid wedge disc, 11 to 13% chrome trim, Stellited or equal seating surfaces.	
a2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.	
b. Globe and Angle Valves:		
b1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.	
b2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug and seat.	
c. Check Valves:		
c1. Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.	
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.	

PIPING DESIGN TABLE "901LS" - Page 3 of 3

REV.

D 5.3 Design: Valves shall be designed in accordance with Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P. V. Code. Valves shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. class table (Table NB-3531-5) in Subsection NB. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged
D valves only; the ratings for welding end valves in such sizes do not apply.) In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

D 5.4 Inspection and Testing: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

D 6. IMPACT TESTS
Impact properties are required for the above materials, in accordance with Par. NB-2300 of ASME Section III (1971), at 40°F.

D 7. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 409, the applicable ASME Specification and the governing code, as applicable.

Date: 9-5-73

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "902LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH BACKING RINGS)

NOTE: This table shall not be used for the following:

a. Temperatures over 750F at any/all pressures, for any/all sizes.

b. Sizes 16 in. and larger where pressures are over 1025 psig at temperatures between 350F and 750F inclusive.

1. PIPE

1.1 Material.....	Seamless carbon steel. ASTM A106, Gr. B; *and/or ASME SA-106, Gr. B.
1.2 Wall Thickness.....	Schedule 80 for 24 in. and smaller.

2. TYPE OF JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller.....	Socket-weld.
2.2 Sizes 2-1/2 in through 24 in.	Butt-weld with taper backing ring. Welding end detail per Std. MF-270.8.5 or MF-270.8.6.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings).

3.1 Flanges:

a. Material.....	ASTM A105; *and/or ASME SA-105, Gr. II.
b. Type.....	1/4 in. raised face, unless otherwise indicated, and as follows.
b1. Sizes 2 in. and smaller.....	1500 lb socket-weld.
b2. Sizes 2-1/2 in.	1500 lb welding neck.
b3. Sizes 3 through 24 in.	900 lb welding neck.

3.2 Bolting:

a. Bolts.....	Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.
3.3 Gaskets.....	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1 Sizes 2 in. and smaller.....	Socket-weld, 3000 lb std. ASTM A105; *and/or ASME SA-105, Gr. II.
4.2 Sizes 2-1/2 through 24 in.	Butt-weld, ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.

REV.

...y and Bonnet Material.....	Forged or cast carbon steel. ASTM A105 or A216, Gr. WCB; *and/or ASME SA-105, Gr. II or SA-216, Gr. WCB.
...e Valves:	
...zes 2-1/2 in. and larger.....	900 lb ANSI Std. or 600 lb MSS-SP rated per Item 5.3 below, butt-weld, pressure seal bonnet, OS&Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.
...be and Angle Valves:	
...zes 2 in. and smaller.....	1500 lb std., socket-weld, welded or integral bonnet, OS&Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.
...zes 2-1/2 in. and larger.....	900 lb ANSI Std. or 600 lb MSS-SP rated per Item 5.3 below, butt-weld, pressure seal bonnet, OS&Y, 11 to 13% chrome trim, Stellited or equal swivel plug and seat.
...eck Valves:	
...zes 2 in. and smaller.....	1500 lb std., socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.
...zes 2-1/2 in. and larger.....	900 lb ANSI Std. or 600 lb MSS-SP rated per Item 5.3 below, butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.

...sign:

...essure-Temperature Conditions: Valves shall be designed to meet each and ... of the following respective design conditions.

...rmal Valves Wide Open Operation - 1010 psig, 550°F.

...eak System Pressure - 1375 psig, 580°F.
...is pressure will occur during periods of relief valve operation. This ...ndition will occur less than 1% of the operating period as defined in ...1.1-1973, Power Piping, Paragraph 102.2.4.

...elief Valve Set Pressure - 1250 psig, 575°F.
...e main steam system is protected using relief valves with a maximum set ...essure of 1250 psig. This pressure condition will occur less than 1% ... the operating period. It is during this pressure transient that the ...eak system pressure of 1365 psig occurs.

PIPING DESIGN TABLE "902LS" - Page 3 of 3

REV.

b. Rating: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb Class table in the document, except where otherwise indicated.

b1. Classes D, E, and F Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

b2. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271 and Form 403 (for Classes D, E, and F).

*ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes E and F).

Rev.B: 1-31-73
Rev.C: 1-29-74

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "903LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

	1. PIPE	
	1.1 Material.....	Seamless carbon steel. ASTM A106, Gr. B *and/or ASME SA-106, Gr. B.
	1.2 Wall Thickness:	
	a. Sizes 3 in. and smaller.....	Schedule 160
	b. Sizes 4 in. through 6 in.	Schedule 120
	c. Sizes 8 in. through 24 in.	Schedule 100
C	1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.	
C	2. TYPE OF FABRICATION AND INSTALLATION JOINTS Welded as follows, unless otherwise designated on the design drawings:	
	2.1 Sizes 2 in. and smaller.....	Socket-weld.
C	2.2 Sizes 2-1/2 through 24 in.	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-207.8.1.
C	2.3 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.	
	3. FLANGED JOINTS (Used only where specifically designated on the design drawings.	
	3.1 Flanges:	
C	a. Material.....	ASTM A105; *and/or ASME SA-105.
	b. Type.....	1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:
	b1. Sizes 2 in. and smaller.....	1500 lb. socket-weld.
	b2. Size 2-1/2 in.	1500 lb. welding neck.
	b3. Sizes 3 through 24 in.	900 lb. welding neck.
	3.2 Bolting:	
	a. Bolts.....	Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
	b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.
	3.3 Gaskets.....	Spiral wound metallic, asbestos filled.

			REV.
	FITTINGS		
4.1	Sizes 2 in. and smaller.....	Socket-weld 6000 lb std. ASTM A105; *and/or ASME SA-105.	C
4.2	Sizes 2-1/2 through 24 in.	Butt-weld, ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.	
4.3	Inspection and Tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.		C
5.	VALVES		
5.1	Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A105, or A216 Gr. WCB; *and/or ASME SA-105, or SA-216 Gr. WCB.	C
5.2	Type:		
a.	Gate Valves:		
a1.	Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, solid wedge disc, 11 to 13% chrome trim, Stellited or equal seating surfaces.	
a2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, solid or flexible wedge. 11 to 13% chrome trim, Stellited or equal seating surfaces.	
b.	Globe and Angle Valves:		
b1.	Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.	
b2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal seating surfaces.	
c.	Check Valves:		
c1.	Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.	
c2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.	

PIPING DESIGN TABLE "903LS" - Page 3 of 3

REV.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S & L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. Class table in the document.

a. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P. V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P. V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P. V. Code.)

b. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P. V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P. V. Code.)

c. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may C be 600 lb. std. rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

d. In respects other than those above, valves shall be in accordance with the C applicable requirements of S&L Standard Form 271.

C 5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

C 6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable

*The ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 4-21-73
Rev.A: 1-29-74

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "904LS"
CARBON STEEL

REV.

A Note: This table shall not be used for temperatures over 750°F nor ASME Section III Systems.

1. PIPE

1.1	Material.....	Seamless carbon steel. ASTM A106, Gr. B; *and/or ASME SA-106, Gr. B.
1.2	Wall Thickness.....	Schedule 80 for 24 in. and smaller.

A 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1	Sizes 2 in. and smaller.....	Socket-weld.
2.2	Sizes 2-1/2 through 14 in.	Butt-weld with taper backing ring. Welding end detail per Std. MF-270.8.5.
2.3	Sizes 16 through 24 in.	Butt-weld using TIG welding with consumable insert, as set forth in Item 3 of Std. MF-270.8.1.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1	Flanges:	
	a. Material.....	ASTM A105; *and/or ASME SA-105.
	b. Type.....	1/4 in. raised face unless otherwise indicated on the drawings.
	b1. Sizes 2 in. and smaller.....	1500 lb. socket-weld.
	b2. Size 2-1/2 in.	1500 lb. welding neck.
	b3. Sizes 3 through 24 in.	900 lb. welding neck.
3.2	Bolting:	
	a. Bolts.....	Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
	b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.
3.3	Gaskets.....	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1	Sizes 2 in. and smaller.....	Socket-weld, 3000 lb. std. ASTM A105; *and/or ASME SA-105.
4.2	Sizes 2-1/2 through 24 in.	Butt-weld, ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.

Rev.

. VALVES

5.1 Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A-105, or A216 Gr. WCB; *and/or ASME SA-105, or SA-216 Gr. WCB.	A
5.2 Type:		
a. Gate Valves:		
a1. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.	
b. Globe and Angle Valves:		
b1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.	
b2. Sizes 2-1/2 in. and larger.....	Butt-weld pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug and seat.	
c. Check Valves:		
c1. Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.	
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.	

5.3 Design:

a. Pressure - Temperature Conditions: Valvesshall be designed to meet each and all of the following respective design conditions:

a1. Normal Valves Wide Open Operation - 1010 psig, 550°F.

a2. Peak System Pressure - 1375 psig, 580°F.

This pressure will occur during periods of relief valve operation. This condition will occur less than 1% of the operating period as defined in ANSI B31.1-1973, Power Piping, Paragraph 102.2.4. A

a3. Relief Valve Set Pressure - 1250 psig, 575°F.

The main stream system is protected using relief valves with a maximum set pressure of 1250 psig. This pressure condition will occur less than 1% of the operating period. It is during this pressure transient that the peak system pressure of 1365 psig occurs.

PIPING DESIGN TABLE "904LS" - Page 3 of 3

REV.

b. Rating: Valves shall have pressure-temperature ratings equal to, or greater than, the ANSI B16.5 ratings for the 900 lb. Class in Table 6 therein, with the following option: Butt-weld end valves may be 600 lb std., rated in accordance with the procedures listed in Standard Practice (MSS-SP-66-1964 Edition), if the design conditions specified above are within the limits of the MSS-SP-66 ratings. A

c. General: In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271. A

*The ASME SA-Materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes E and F). A

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 9-13-73
Rev. B: 9-1-76

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "905LS" (ASME SECTION III - CLASS 1)
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material:

a. Sizes 24 in. and smaller.....	Seamless carbon steel. ASME SA-106 Gr. B normalized, or SA-333 Gr. 6.
B b. Sizes larger than 24 in.	Welded carbon steel, or Seamless Carbon Steel. Pipe diameter to be nom. O.D., unless otherwise indicated. ASME SA-155, Gr. KCF70, Class 1, or ASME SA-106, Gr. C normalized.

1.2 Wall Thickness:

a. Sizes 24 in. and smaller.....	Schedule 80
b. Sizes larger than 24 in.	Special wall, with minimum as follows:
b1. 26 in. O.D. size.....	0.967 in. min. wall.
b2. 28 in. O.D. size.....	1.041 in. min. wall.
b3. 36 in. O.D. size.....	1.335 in. min. wall.

1.3 Inspection and Tests: In addition to the inspection and tests required by the applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller.....	Socket-weld.
2.2 Sizes 2-1/2 through 24 in.	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T as shown on Std. MF-270.8.5 and MF-270.8.6.
2.3 Sizes larger than 24 in.	Butt-weld with welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end details per Std. MF-270.8.2, with dimensions A and C as follows: (in.) (Note: Supplier to specify dimensions B and T as these are nominal dimensions.)

	"A"	"C"
a. Size 26 in.	26.00	23.993
b. Size 28 in.	28.00	24.844
c. Size 36 in.	36.00	33.249

2.4 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 409, except where otherwise noted herein.

REV.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1 Flanges:

a. Material.....	ASME SA-105, normalized and tempered or SA-350, Gr. LF-2.
b. Type.....	1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:
b1. Sizes 2 in. and smaller.....	1500 lb socket-weld.
b2. Sizes 2-1/2 in.	1500 lb welding neck.
b3. Sizes 3 in. through 24 in.	900 lb welding neck.
b4. Sizes larger than 24 in.	As approved.

3.2 Bolting:

a. Bolts.....	Stud bolts. ASME SA-193, Gr. B7 or SA-320, Gr. L43.
b. Nuts.....	ASME SA-194, Gr. 7, subject to impact testing set forth in ASME SA-320.
3.3 Gaskets.....	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1 Sizes 2 in. and smaller.....	Socket-weld, 3000 lb std. ASME SA-105 normalized, or SA-350 Gr. LF-2.
4.2 Sizes 2-1/2 in. through 24 in...	Butt-weld, Special design for fittings connecting to plate pipe. ASME SA-234 Gr. WPB normalized, or SA-420 Gr. WPL6.
4.3 Sizes larger than 24 in.	Butt-weld ASTM A-234 Gr. WPB; *and/or ASME A-234 Gr. WPB Special Design, or ASTM A-234 Gr. WPC. *and/or ASME A-234 Gr. WPC (if WPB fittings are used fittings shall be suitable for the design conditions for the specific line as specified on the piping line list). B

4.4 Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

5. VALVES

5.1 Body and Bonnet Material.....	Forged or cast carbon steel. ASME SA-105 normalized and tempered, or SA-216 Gr. WCB normalized, or SA-352 Gr. LCB, or SA-350 Gr. LF-2.

5.2 Type:

a. Gate Valves:

a1 Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.

REV.

b. Globe and Angle Valves:

b1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.
b2. 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug seat.

c. Check Valves:

c1. Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.

5.3 Design: Valves shall be designed in accordance with Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P. V. Code. Valves shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. Class table (Table NB-3531-5) in Subsection NB. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.) In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

5.4 Inspection and Testing: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. IMPACT TESTS

Impact properties are required for the above materials, in accordance with Par. NB-2300 of ASME Section III (1971), at 40°F.

7. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 409, the applicable ASME Specification and the governing code, as applicable.

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 10-24-72
Rev.A: 1-31-73
Rev.B: 1-29-74

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "906LS" (ASME SECTION III - CLASS 1)
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

REV.

1. PIPE

1.1 Material..... Seamless carbon steel. ASME SA-106, Gr. B, normalized or SA-333, Gr. 6.

1.2 Wall Thickness:

a. Sizes 3 in. and smaller..... Schedule 160

b. Sizes 4 through 12 in. ..... Schedule 120

B 1.3 Inspection and Tests: In addition to the inspection and tests required by applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

B 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 through 12 in. ..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions as shown on Std. MF-270.8.5 and MF-270.8.6.

B 2.3 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 409, except where otherwise noted herein.

3. FLANGED JOINTS (Not used unless specifically designated on the design drawings.

3.1 Flanges:

B a. Material..... ASME SA-105 normalized, or SA-350 Gr. LF-2.

b. Type..... 1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:

b1. Sizes 2 in. and smaller..... 1500 lb socket-weld.

b2. Sizes 2-1/2 in. ..... 1500 lb welding neck.

b3. Sizes 3 through 12 in. ..... 900 lb welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts, ASME SA-193, Gr. B7.

b. Nuts..... ASME SA-194, Gr. 2H.

3.3 Gaskets..... Spiral wound metallic, asbestos filled.

... in. and smaller.....	Socket-weld, 6000 lb. Std. ASME SA-105, normalized, or SA-350 Gr. LF-2.	B
... 2-1/2 through 12 in.	Butt-weld. ASME-SA-234, Gr. WPB, normalized or SA-420, Gr. WPL 6.	
...ion and Tests: In addition to the requirements set forth in the ...able ASME Specification for inspection and testing, fittings shall ...jected to the examination and testing set forth in Form 406 (including ... 1 and 2 forming a part thereof), except where otherwise noted ...		B
...S		
...erials.....	Forged or cast carbon steel, per ASME SA-105, normalized, or SA-216 Gr. WCB normalized, or SA-352 Gr. LCB, or SA-350 Gr. LF-2.	B
...pe:		
... ...ate Valves:		
... Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, solid wedge disc, 11 to 13% chrome trim, Stellite or approved equal seating surfaces.	
... Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellite or approved equal wedge disc and seats.	
... Globe and Angle Valves:		
... Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellite or approved equal seating surfaces.	
... Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellite or approved equal swivel plug and seat.	
... Check Valves:		
... Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellite or approved equal seating surfaces, piston type.	
... Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellite or approved equal seating surfaces, nonslam type.	

REV.

B 5.3 Design: Valves shall be designed in accordance with Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P. V. Code. Valves shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. Class table (Tables NB-3531-5) in Subsection NB. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.) In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

B 5.4 Inspection and Testing: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

B 6. IMPACT TESTS

Impact properties are required for the above materials in accordance with Par. NB-2300 of ASME Section III (1971), at 40°F.

B 7. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 409, the applicable ASME Specification and the governing code, as applicable.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "907LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

REV.

1. PIPE

1.1 Material..... Seamless carbon steel. ASTM A106, Gr. B *and/or ASME SA-106, Gr. B.

1.2 Wall Thickness..... Schedule 80 for 24 in. and smaller.

A 1.3 Inspection and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

A 2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 through 24 in. ..... Butt-weld using TIG welding with consumable insert, as set forth in Item 3 of Std. MF-270.8.1.

A 2.3 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.

3.1 Flanges:

a. Material..... ASTM A105;
A *and/or ASME SA-105.

b. Type..... 1/4 in. raised face, unless otherwise indicated, and as follows:

b1. Sizes 2 in. and smaller..... 1500 lb socket-weld.

b2. Size 2-1/2 in. ..... 1500 lb welding neck.

b3. Sizes 3 through 24 in. ..... 900 lb welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.

b. Nuts..... ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.

3.3 Gaskets..... Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1 Sizes 2 in. and smaller..... Socket-weld, 3000 lb std. ASTM A105;
A *and/or ASME SA-105.

4.2 Sizes 2-1/2 through 24 in. ..... Butt-weld, ASTM A234, Gr. WPB; *and/or ASME SA-234, Gr. WPB.

...tion and Tests for Class B & C Fittings: In addition to the require-
... set forth in the applicable ASME Specification for inspection and test-
... Class B & C fittings shall be subjected to the examination and testing
... forth in Form 406 (including Tables 1 and 2 forming a part thereof),
... except where otherwise noted herein.

... and Bonnet Material.....	Forged or cast carbon steel. ASTM A105, or A216 Gr. WCB; *and/or ASME SA-105, or SA-216, Gr.WCB.	A
...e:		
... Valves:		
...izes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.	
...be and Angle Valves:		
...izes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.	
Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug and seat.	
Check Valves:		
Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.	
Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.	

Design:

Pressure-Temperature Conditions: Valves shall be designed to meet each and all of the following respective design conditions:

Normal Valves Wide Open Operation - 1010 psig, 550°F.

Peak System Pressure - 1375 psig, 580°F.
This pressure will occur during periods of relief valve operation. This condition will occur less than 1% of the operating period as defined in ANSI B31.1-1973, Power Piping, Paragraph 102.2.4. A

Relief Valve Set Pressure - 1250 psig, 575°F.
The main stream system is protected using relief valves with a maximum ...t pressure of 1250 psig. This pressure condition will occur less than ... of the operating period. It is during this pressure transient that the peak system pressure of 1365 psig occurs.

REV.

b. Rating: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb Class table in the document, except where otherwise indicated.

b1. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b2. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b3. Classes D, E, and F Systems: Per the applicable requirements of ANSI B16.5 and Table 6 therein, with the following option: Butt-weld end valves may
A be 600 lb. std., rated in accordance with the procedures listed in MSS-SP-66 if the specified design conditions are within the limits of the MSS-SP-66 ratings.

A c. General: In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

A 5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

A 6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable

*ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

Date: 10-24-72
Rev. C: 09-01-76
Rev. D: 04-01-77

REV.

LA SALLE COUNTY STATION

PIPING DESIGN TABLE "948LS" (ASME SECTION III, CLASS 1 AND 2 - Page 1 of 3
304 S.S. PIPE-316 S.S. VALVES AND FLANGES
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material..... Seamless austenitic steel per ASME SA-312 or SA-376, Gr. TP304.

1.2 Wall Thickness:

a. Sizes 3 in. and smaller.... Schedule 160 per ANSI B36.10.

b. 4 and 6 in. ..... Schedule 120 per ANSI B36.10.

c. 8 through 12 in. ..... Schedule 100 per ANSI B36.10

1.3 Inspection and Tests: In addition to the inspection and tests required by the applicable ASME Specification, pipe shall be subjected to the
C examination and testing set forth in Form 405.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS
Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller.... Socket-weld.

2.2 Sizes 2-1/2 through 12 in. ..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.3, with dimensions as shown on Std. MF-270.8.5 and MF-270.8.6.

C 2.3 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in ASME Section III.

3. FLANGED JOINTS
(Not used unless specifically designated on the design drawings.)

3.1 Flanges:

a. Material..... ASME SA-182, Gr. F316.

b. Type..... 1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:

b1. Sizes 2 in. and smaller.... 1500 lb. socket-weld.

b2. Size 2-1/2 in. ..... 1500 lb. welding neck.

b3. Sizes 3 through 12 in. .... 900 lb. welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts; ASME SA-193, Gr. B7.

Date: 10-24-72
Rev. C: 09-01-76
Rev. D: 04-01-77

			REV.
b.	Nuts.....	ASME SA-194, Gr. 2H.	
3.3	Gaskets.....	Spiral wound metallic, asbestos filled.	D
			D
4.	FITTINGS		
4.1	Sizes 2 in. and smaller....	Socket-weld, 6000 lb. std.; ASME SA-182, Gr. F304.	
4.2	Sizes 2-1/2 through 12 in.	Butt-weld; ASME SA-403, Gr. WP304.	
4.3	Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings shall be subjected to the examination and testing set forth in Form 406.		C
5.	VALVES		
5.1	Body and Bonnet Material...	Forged or cast alloy steel; ASME SA-182, Gr. F316 or SA-351, Gr. CF8M.	
.2	Type:		
a.	Gate Valves:		
a1.	Sizes 2 in. and smaller....	Socket-weld, forged, welded or integral bonnet, OS&Y, flexible wedge stainless steel trim, Stellite or approved equal seating surfaces.	C C
a2.	Sizes 2-1/2 in. and larger.	Butt-weld, pressure seal bonnet, OS&Y, flexible wedge, stainless steel trim, Stellite or approved equal seating surfaces.	C
b.	Globe and Angle Valves:		
b1.	Sizes 2 in. and smaller....	Socket-weld, forged, welded or integral bonnet, OS&Y, stainless steel trim, plug type swivel disc, Stellite or approved equal seating surfaces.	C
b2.	Sizes 2-1/2 in. and larger.	Butt-weld, pressure seal bonnet, OS&Y, swivel plug or integral stem disc, stainless steel trim, Stellite or approved equal seating surfaces.	C

PIPING DESIGN TABLE "948LS" - Page 3 of 3

Date: 10-24-72
Rev. C: 09-01-76
Rev. D: 04-01-77

REV.

c. Check valves:

C c1. Sizes 2 in. and smaller.... Socket-weld, forged, welded or pressure seal cap, stainless steel trim, Stellite or approved equal seating surfaces, piston type.

c2. Sizes 2-1/2 in. and larger. Butt-weld, pressure seal cap, stainless steel trim, Stellite or approved equal seating surfaces, nonslam type.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. Class table in the document, unless otherwise indicated.

a. Class A Systems: Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P.V. Code. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.)

C b. Class B Systems: Per the applicable requirements of ANSI B16.5-1968 and Table 6 therein, with the following option: butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512, and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in size 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

5.4 Inspection and Testing for Class A and B Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class A and B valves shall be subjected
C to the examination and testing set forth in Form 407.

D

D

6. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406 and 407, the applicable ASME Specification and the governing code, as
C applicable.

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REV.

LA SALLE COUNTY STATION

PIPING DESIGN TABLE "949LS" (ASME SECTION III, CLASS 1 AND 2) - Page 1 of 4

304 S.S. PIPE-316 S.S. VALVES AND FLANGES

(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material:

a.	12 in. and smaller.....	Seamless austenitic steel per ASME SA-312 or SA-376, Gr. TP304.
b.	Larger than 12 in.	Electric fusion welded austenitic steel per ASME SA-358, Gr. 304, Class 1.

1.2 Wall thickness:

a.	8 in. and smaller.....	Schedule 80S per ANSI B36.19.
b.	10 and 12 in.	Schedule 80 per ANSI B36.10.
c.	14 in.	0.645 in. min.
d.	16 in.	0.722 in. min.
e.	18 in.	0.812 in. min.
f.	20 in.	0.900 in. min.
g.	24 in.	1.080 in. min.

1.3 Inspection and Tests: In addition to the inspection and tests required by the applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405. D

2. TYPE OF FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1	Sizes 2 in. and smaller....	Socket-weld.
2.2	Sizes 2-1/2 through 8 in. .	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.3.
2.3	Sizes 10 and 12 in.	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end details per Std. MF-270.8.3, with dimensions as shown on Std. MF-270.8.5 and MF-270.8.6.
2.4	Sizes larger than 12 in. ..	Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end details per Std. MF-270.8.2, with dimensions A and C as follows (in.):

Date: 01-03-72
Rev. D: 09-01-76
Rev. E: 04-01-77

Rev.

		"A"	"C"
a.	Size 14 in.	14.00	12.683
b.	Size 16 in.	16.00	14.505
c.	Size 18 in.	18.00	16.325
d.	Size 20 in.	20.00	18.149
e.	Size 24 in.	24.00	21.793

2.5 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in ASME Section III. D

3. FLANGED JOINTS
(Not used unless specifically designated on the design drawings.)

3.1 Flanges:

a. Material..... ASME SA-182, Gr. F316.

b. Type..... 1/4 in. raised face, unless otherwise indicated on the design drawings, and as follows:

b1. Sizes 2 in. and smaller.... 1500 lb. socket-weld.

b2. Size 2-1/2 in. ..... 1500 lb. welding neck.

b3. Sizes 3 through 24 in. .... 900 lb. welding neck.

3.2 Bolting:

a. Bolts..... Stud bolts; ASME SA-193, Gr. B7.

b. Nuts..... ASME SA-194, Gr. 2H.

3.3 Gaskets..... Spiral wound metallic, asbestos filled. E

E

4. FITTINGS

4.1 Sizes 2 in. and smaller.... Socket-weld, 3000 lb. std.; ASME SA-182, Gr. F304.

4.2 Sizes 2-1/ 2 through 24 in. ..... Butt-Weld; ASME SA-403, Gr. WP304.

REV.

4.3 Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings
D shall be subjected to the examination and testing set forth in Form 406.

5. VALVES

5.1	Body and bonnet material...	Forged or cast alloy steel; ASME SA-182, Gr. F316 or SA-351, Gr. CF8M.
5.2	Type:	
a.	Gate valves:	
D D a1.	Sizes 2 in. and smaller....	Socket-weld, forged, welded or integral bonnet, OS&Y, flexible wedge stainless steel trim, Stellited or equal seating surfaces.
D a2.	Sizes 2-1/4 in. and larger.	Butt-weld, pressure seal bonnet, OS&Y, flexible wedge, stainless steel trim, Stellited or equal seating surfaces.
b.	Globe and angle valves:	
D b1.	Sizes 2 in. and smaller....	Socket-weld, forged, welded or integral bonnet, OS&Y, stainless steel trim, plug type swivel disc, Stellited or equal seating surfaces.
D b2.	Sizes 2-1/2 in. and larger.	Butt-weld, pressure seal bonnet, OS&Y, swivel plug or integral stem disc, stainless steel trim, Stellited or equal seating surfaces.
c.	Check valves:	
c1.	Sizes 2 in. and smaller....	Socket-weld, welded or pressure seal cap, stainless steel trim, Stellited or equal seating surfaces, piston type.
D c2.	Sizes 2-1/2 in. and larger.	Butt-weld, forged, pressure seal cap, stainless steel trim, Stellited or equal seating surfaces, nonslam type.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 900 lb. Class table in the document, unless otherwise indicated.

a. Class A Systems: Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P.V. Code. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do <u>not</u> apply.)

Date: 01-03-72
Rev. D: 09-01-76
Rev. E: 04-01-77

Rev.

b. Class B Systems: Per the applicable requirements of ANSI B16.5-1968 and Table 6 therein, with the following option: butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512, and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in size 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.) D

5.4 Inspection and Testing for Class A and B Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class A and B valves shall be subjected to the examination and testing set forth in Form 407. D

E

E

6. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406 and 407, the applicable ASME Specification and the governing code, as applicable. D

I

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "1502LS" (ASME SECTION III - CLASS 1)
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material:

a. Sizes 6 in. and smaller..... Seamless carbon steel. ASME SA-106 Gr. B normalized, or SA-333 Gr. 6.

E b. Sizes larger than 6 in. ..... Special wall welded carbon steel plate. Pipe diameter to be nom. O.D., unless otherwise indicated. ASME SA-155 Gr. KCF70 Class 1.

or

Special Wall Seamless carbon steel per ASTM A106 Gr. C and/or ASME SA106 Gr. C.

1.2 Dimensions:

a. Sizes 6 in. and smaller..... Double-extra-strong (XXS).

b. Sizes larger than 6 in.:

	O.D. (in.) (Weld end. det. dim. A)	Min. Wall Thickness (in.)	Weld End det. dim. C (in.)
b1. Size 8 in.	8.625	0.748	7.142
b2. Size 10 in.	10.750	0.909	8.959
b3. Size 12 in.	12.750	1.060	10.669
b4. Size 14 in.	14	1.155	11.737
b5. Size 16 in.	16	1.282	13.447
b6. Size 18 in.	18	1.431	15.157
b7. Size 20 in.	20	1.579	16.867
b8. Size 24 in.	24	1.876	20.287

1.3 Inspection and Tests: In addition to the inspection and tests required by the applicable ASME Specification, pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 in. through 24 in. ..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A and C for special wall pipe as shown in Item 1.2b above.

2.3 Inspection and Tests: Piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 409, except where otherwise noted herein.

3. FLANGED JOINTS (Not used unless specifically designated on the design drawings.)

3.1 Flanges:	
a. Material.....	ASME SA-105 normalized and tempered, or SA-350 Gr. LF-2.
b. Type.....	1500 lb. std. with 1/4 in. raised face (unless otherwise indicated on the design drawings), and as follows:
b1. Sizes 2 in. and smaller.....	Socket-weld.
b2. Sizes 2-1/2 through 24 in.	Welding neck.
3.2 Bolting:	
a. Bolts.....	Stud bolts, ASME SA-193, Gr. B7 or SA-320, Gr. L43.
b. Nuts.....	ASME SA-194, Gr. 7.
3.3 Gaskets.....	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1 Sizes 2 in. and smaller.....	Socket-weld, special design ASME SA-105, normalized and tempered or SA-350 Grade LF2.
4.2 Sizes 2-1/2 through 24 in.	Butt-weld. ASME SA-234 Gr. WPB or WPC normalized and tempered, or SA-420 Gr. WPL 6. Special design for sizes larger than 6 in. (if WPB fittings are used fittings shall be suitable for the design conditions for the specific line as specified on the piping line list). E

4.3 Inspection and Tests: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

5. VALVES

5.1 Materials.....	Forged or cast carbon steel, per ASME SA-105 normalized, or SA-216 Gr. WCB normalized, or SA-352 Gr. LCB, or SA-350 Gr. LF-2.
5.2 Type:	
a. Gate Valves:	
a1. Sizes 3-1/2 in and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.

b. Globe and Angle Valves:	
b1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.
b2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug and seat.
c. Check Valves:	
c1. Size 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.
c2. Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.

5.3 Design: Valves shall be designed in accordance with Par. NB-3500 and all other applicable requirements of Subsection NB of Section III of the ASME B. & P.V. Code. Valves shall have pressure-temperature ratings equal to or greater than the ratings of the 1500 lb. Class table (Table NB-3531-6) in Subsection NB. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.) In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

5.4 Inspection and Testing: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. IMPACT TESTS

Impact properties are required for the above materials, in accordance with Par. NB-2300 of ASME Section III (1971), at 40°F.

7. TEST DATA, ETC.

The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 409, the applicable ASME Specification and the governing code, as applicable.

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 9-28-72
Rev.D: 9-1-76

REV.

LA SALLE COUNTY STATION
PIPING DESIGN TABLE "1503LS"
CARBON STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

1. PIPE

1.1 Material:

a. Sizes 20 in. and smaller..... Seamless carbon steel. ASTM A106, Gr. B *and/or ASME SA-106, Gr. B.

D b. Sizes 24 in. and larger..... Special wall welded carbon steel plate. Pipe diameter to be nom. O.D. unless otherwise indicated. ASTM A155, Gr. KCF 70, Class 1; *and/or ASME SA-155, Gr. KCF 70, Class 1

or

Special wall Seamless Carbon Steel ASTM A106 Gr. C *and /or ASME SA-106 Gr. C.

1.2 Wall Thickness:

a. Sizes 20 in. and smaller seamless pipe..... Schedule 160

b. Size 24 in. welded plate pipe..... 1.650 in. min. wall.

c. Size 30 in. welded plate pipe..... 2.039 in. min. wall.

1.3 Inspections and Tests for Class B & C Pipe: In addition to the inspection and tests required by the applicable ASME Specification, Class B & C pipe shall be subjected to the examination and testing set forth in Form 405 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

2. TYPE OF FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller..... Socket-weld.

2.2 Sizes 2-1/2 through 20 in. seamless pipe..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A, B, C and T as shown on Std. MF-270.8.5 and MF-270.8.6.

2.3 Sizes 24 in. and larger welded plate pipe..... Butt-weld with TIG welding and consumable insert per Item 3 of Std. MF-270.8.1. Welding end detail per Std. MF-270.8.2, with dimensions A and C as follows (in.):

	"A" Dim.	"C" Dim.
a. Size 24 in.	24 O.D.	20.714
b. Size 30 in.	30 O.D.	25.951

2.4 Inspection and Tests for Class B & C Joints: Class B & C piping fabrication and installation welds shall be subject to the examination and testing set forth in Form 410, except where otherwise noted herein.

REV.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1	Flanges:	
	a. Material.....	ASTM A105; *and/or ASME SA-105.
	b. Type.....	1/4 in. raised face (unless otherwise indicated on the design drawings), and as follows:
	b1. Sizes 2 in. and smaller.....	Socket-weld, 1500 lb. Std. per ANSI B16.5.
	b2. Sizes 2-1/2 through 24 in.	Welding neck, 1500 lb. Std. per ANSI B16.5.
	b3. Sizes larger than 24 in.	As approved.
3.2	Bolting:	
	a. Bolts.....	Stud bolts. ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
	b. Nuts.....	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.
3.3	Gaskets.....	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1	Sizes 2 in. and smaller.....	Socket-weld, 600 lb. std. ASTM A105; *and/or ASME SA-105.
4.2	Sizes 2-1/2 in. through 24 in. ..	Butt-weld. Special design for fittings connecting to plate pipe. ASTM A234, Gr. WPR: *and/or ASME SA-234, Gr. WPB.
4.3	Sizes larger than 24 in.	Butt-weld ASTM A-234 Gr. WPB; *and/or ASME A-234 Gr. WPB Special Design, or ASTM A-234 Gr. WPC *and/or ASME A-234 Gr. WPC (if WPB fittings are used fittings shall be suitable for the design conditions for the specific line as specified on the piping line list). D

4.4 Inspection and tests for Class B & C Fittings: In addition to the requirements set forth in the applicable ASME Specification for inspection and testing, Class B & C fittings shall be subjected to the examination and testing set forth in Form 406 (including Tables 1 and 2 forming a part thereof), except where otherwise noted herein.

5. VALVES

5.1	Body and Bonnet Material.....	Forged or cast carbon steel. ASTM A105, or 216 Gr. WCB; *and/or ASME SA-105, or SA-216 Gr. WCB.
.2	Type	
	a. Gate Valves:	
	a1. Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, solid wedge disc, 11 to 13% chrome trim.

REV.

a2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal wedge disc and seats.
b.	Globe and Angle Valves:	
b1.	Sizes 2 in. and smaller.....	Socket-weld, welded or integral bonnet, OS & Y, 11 to 13% chrome trim, plug type swivel disc, Stellited or equal seating surfaces.
b2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal bonnet, OS & Y, 11 to 13% chrome trim, Stellited or equal swivel plug seat.
c.	Check Valves:	
c1.	Sizes 2 in. and smaller.....	Socket-weld, welded or pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, piston type.
c2.	Sizes 2-1/2 in. and larger.....	Butt-weld, pressure seal cap, alloy steel trim, Stellited or equal seating surfaces, nonslam type.

5.3 Design:

a. Pressure-Temperature Conditions: Valves shall be designed to meet each and all of the following design conditions:

a1. Normal Valves Wide Open Operation - 1440 psig, 425°F.

a2. Maximum Normal Operation - 2250 psig, 60°F.

This condition occurs with the motor driven reactor feed pump at recirculation flow with cold (60°F) water. This condition will occur more than 10% of the operating period as defined in B31.1-1973, Power Piping, Para. 102.2.4.

a3. Peak Pressure Condition - 2600 psig, 60°F.

This condition occurs with each turbine driven reactor feed pump at shut off, 10% overspeed, and cold (60°F) water. This condition will occur less than 1/2% of the operating period.

a4. Hot Peak Pressure Condition - 2350 psig, 425°F.

This condition occurs with each turbine driven feed pump at shut off, 10% overspeed, and hot (425°F) water. This condition will also occur less than 1/2% of the operating period.

b. Rating: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 1500 lb. class table in the document, except where otherwise indicated.

b1. Class B Systems. Per the applicable requirements of ANSI B16.5 and Table 7 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in size 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b2. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 7 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

b3. Class D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 7 therein, with the following option: Butt-weld end valve may be 900 lb. std. rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

c. General: In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271.

5.4 Inspection and Testing for Class B & C Valves: In addition to the requirements set forth in the applicable ASME Specification and Form 271 for inspection and testing, Class B & C valves shall be subjected to the examination and testing set forth in Form 407 (including Tables 1 and 2 forming a part thereof).

6. TEST DATA, ETC.
The supplier of pipe, fittings, valves and bolting, as well as the fabricator of piping, covered in this Piping Design Table, shall submit test data, mill reports, certification, etc., called for in Forms 271, 405, 406, 407 and 410, the applicable ASTM or ASME Specification and the governing code, as applicable.

*ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes B, C, E and F).

SARGENT & LUNDY
ENGINEERS
CHICAGO

Date: 12-14-70
Rev. D: 2-20-73

REV.

S&L STANDARD
PIPING DESIGN TABLE "141"
304 STAINLESS STEEL-LIGHT-WALL
(BUTT-WELD JOINTS WITH TIG WELDS)

D

1. PIPE

1.1 Material:

a. Sizes 12 in. and smaller	Seamless austenitic steel. ASTM A312 or A376, Gr. TP304; *and/or ASME SA-312 or SA-376, Gr. TP304.
b. Sizes 14 in. and larger	Welded austenitic steel plate or sheet pipe. ASTM A409, Gr. TP304; *and/or ASME SA-409, Gr. TP304.
1.2 Wall Thickness	Light wall, Schedule 10 S per ANSI B36.19.

D

2. TYPE OF PIPING FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller	Socket-weld.
D 2.2 Sizes 2-1/2 in. and larger	Butt-weld using TIG welding with consumable insert as set forth in Item 3 of Std. MF-270.8.1.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1 Flanges:

a. Material	ASTM A182, Gr. F304; *and/or ASME SA-182, Gr. F304.
b. Type	150 lb std. with 1/16 in. raised face and serrated face finish, and as follows:
b1. Sizes 2 in. and smaller	Socket-weld or slip-on.
D b2. Sizes 2-1/2 in. and larger ...	Welding neck or slip-on.

3.2 Bolting:

a. Bolts	Stud bolts. ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.
b. Nuts	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.
3.3 Gaskets	Spiral wound metallic, asbestos filled.

4. FITTINGS

4.1 Sizes 2 in. and smaller ..... Socket-weld. 3000 lb std. ASTM A182, Gr. F304; *and/or ASME SA-182, Gr. F304.

4.2 Sizes 2-1/2 in. and larger ..... Butt-weld. ASTM A403, Gr. WP304; *and/or ASME SA-403, Gr. WP304. D

Note 1: Companion flanges shall be used for unions.

5. VALVES

5.1 Body and Bonnet Material ..... Forged or cast alloy steel. ASTM A182, Gr. F304 or F316 or A351, Gr. CF8 or CF8M; *and/or ASME SA-182, Gr. F304 or F316 or SA-351, Gr. CF8 or CF8M.

5.2 Type:

a. Gate Valves:

a1. Sizes 2 in. and smaller ..... 150, 300 or 600 lb std., socket-weld, bolted bonnet, OS & Y, solid wedge disc, stainless steel trim, hardened seat.

a2. Sizes 2-1/2 in. and larger ... 150 lb std., butt-weld, bolted bonnet, OS & Y, solid or flexible wedge disc, stainless steel trim, hardened seat.

b. Globe and Angle Valves:

b1. Sizes 2 in. and smaller ..... 150, 300 or 600 lb std., socket-weld, bolted bonnet, OS & Y, stainless steel trim, swivel plug type disc, hardened seating surfaces.

b2. Sizes 2-1/2 in. and larger ... 150 lb std., butt-weld, bolted bonnet, OS & Y, stainless steel trim, swivel plug type disc, hardened seating surfaces.

c. Check Valves:

c1. Sizes 2 in. and smaller ..... 150, 300 or 600 lb std., socket-weld, bolted cap, stainless steel trim, piston type.

c2. Sizes 2-1/2 in. and larger ... 150 lb std., butt-weld, bolted cap, stainless steel trim, nonslam type at pump discharges, swing or nonslam type as specified.

5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 150 lb. Class table in the document. D

PIPING DESIGN TABLE "141" - Page 3 (Final)

REV.

a. Class A Systems: Par. NB-3500, and all other applicable requirements of Subsection NB of Section III of the ASME B. & P.V. Code. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.)

b. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

c. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

d. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 2 therein, with the following option: Butt-weld end valves may be rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

e. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271 and Form 403 (for Classes D, E, and F) and Form 407 (for Classes A, B and C).

*The ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes A, B, C, E and F).

Date: 12-14-70
Rev. D: 2-20-73

REV.

S&L STANDARD
PIPING DESIGN TABLE "340"
304 STAINLESS STEEL
(BUTT-WELD JOINTS WITH TIG WELDS)

D

1. PIPE

1.1 Material:

a. Sizes 12 in. and smaller	Seamless austenitic steel. ASTM A312 or A376, Gr. TP304; *and/or ASME SA-312 or SA-376, Gr. TP304.
	Note: Where sizes 10 in. and 12 in. are not available in seamless pipe, welded plate pipe as specified below for larger sizes shall be used.
b. Sizes 14 in. and larger	Welded austenitic steel plate as follows:
b1. For ANSI B31.1 (S&L Class D) piping systems	ASTM A358, Gr. 304, Class 2.
b2. For ASME Section III Class 3 and ASME Section I and VIII (S&L Classes C, E and F) piping systems	*ASME SA-358, Gr. 304, Class 2.
b3. For ASME Section III Class 2 (S&L Class B) piping systems	*ASME SA-358, Gr. 304, Class 1.

1.2 Wall Thickness:

a. Seamless pipe	Schedule 40 S per ANSI B36.19.
b. Welded plate pipe	3/8 in. nominal (standard weight).

D

2. TYPE OF PIPING FABRICATION AND INSTALLATION JOINTS

Welded as follows, unless otherwise designated on the design drawings:

2.1 Sizes 2 in. and smaller	Socket-weld.
D 2.2 Sizes 2-1/2 in. and larger	Butt-weld with TIG welding with consumable insert, as set forth in Item 3 of Std. MF-270.8.1.

3. FLANGED JOINTS (Used only where specifically designated on the design drawings.)

3.1 Flanges:

a. Material	ASTM A182, Gr. F304; *and/or ASME SA-182, Gr. F304

b. Type	300 lb. std. with 1/16 in. raised face and serrated face finish, and as follows:	
b1. Sizes 2 in. and smaller	Socket-weld.	
b2. Sizes 2-1/2 in. and larger ...	Welding neck.	D
3.2 Bolting:		
a. Bolts	Stud bolts, ASTM A193, Gr. B7; *and/or ASME SA-193, Gr. B7.	
b. Nuts	ASTM A194, Gr. 2H; *and/or ASME SA-194, Gr. 2H.	
3.3 Gaskets	Spiral wound metallic, asbestos filled.	
4. FITTINGS		
4.1 Sizes 2 in. and smaller	Socket-weld, 3000 lb. std. ASTM A182, Gr. F304; *and/or ASME SA-182, Gr. F304.	
4.2 Sizes 2-1/2 in. and larger	Butt-weld, ASTM A403, Gr. WP304; *and/or ASME SA-403, Gr. WP304.	D
5. VALVES		
5.1 Body and Bonnet Material	Forged or cast alloy steel. ASTM A182; Gr. F304 or F316 or A351, Gr. CF8 or CF8M; *and/or ASME SA-182, Gr. F304 or F316 or SA-351, Gr. CF8 or CF8M.	
5.2 Type:		
a. Gate Valves:		
a1. Sizes 2 in. and smaller	300 or 600 lb std., socket-weld, bolted bonnet, OS & Y, solid wedge disc, stainless steel trim, hardened seat.	
a2. Sizes 2-1/2 in. and larger ...	300 lb std., butt-weld, bolted bonnet, OS & Y, solid or flexible wedge disc, stainless steel trim, hardened seat.	
b. Globe and Angle Valves:		
b1. Sizes 2 in. and smaller	300 lb or 600 lb std., socket-weld, bolted bonnet, OS & Y, stainless steel trim, swivel plug type disc, hardened seating surfaces.	
b2. Sizes 2-1/2 in. and larger ...	300 lb. std., butt-weld, bolted bonnet, OS & Y stainless steel trim, swivel plug type disc, hardened seating surfaces.	

PIPING DESIGN TABLE "340" - Page 3 (Final)

REV.

c. Check Valves:

c1. Sizes 2 in. and smaller	300 or 600 lb. std., socket-weld, bolted cap, stainless steel trim, piston type.
c2. Sizes 2-1/2 in. and larger ...	300 lb std., butt-weld, bolted cap, stainless steel trim, nonslam type at pump discharges, swing or nonslam type as specified.

D 5.3 Design: Valves shall be designed in accordance with the applicable document referenced below, as determined by the S&L piping system classification, and shall have pressure-temperature ratings equal to or greater than the ratings of the 300 lb. Class table in the document.

a. Class A systems: Par. NB-3500, and all other applicable requirements of Subsection NB of Section III of the ASME B. & P.V. Code. (Note: The pressure classification and acceptability of valves in sizes 4 in. and smaller is based on the ratings given for flanged valves only; the ratings for welding end valves in such sizes do not apply.)

b. Class B Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design, per Par. NC-3512 and all other applicable requirements of Subsection NC of Section III of the ASME B. & P.V. Code and the following: MSS-SP-66 design valve bodies and associated bonnets (or caps) shall be completely (100%) radiographed, as set forth in Subsection NC of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

c. Class C Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be alternate MSS-SP-66 design per Par. ND-3512 and all other applicable requirements of Subsection ND of Section III of the ASME B. & P.V. Code. (Note: In no case shall the temperature-pressure ratings of MSS-SP-66 design valves in sizes 4 in. and smaller exceed that given for flanged-end valves in Par. NB-3530 and NB-3541 of Subsection NB of Section III of the ASME B. & P.V. Code.)

d. Classes D, E and F Systems: Per the applicable requirements of ANSI B16.5 and Table 3 therein, with the following option: Butt-weld end valves may be rated in accordance with the procedures listed in MSS-SP-66, if the specified design conditions are within the limits of the MSS-SP-66 ratings.

e. In respects other than those above, valves shall be in accordance with the applicable requirements of S&L Standard Form 271 and Form 403 (for Classes D, E, and F) and Form 407 (for Classes A, B and C).

*The ASME SA-materials specification applies to all piping within the jurisdiction of the ASME Boiler and Pressure Vessel Code (S&L designation Classes A, B, C, E and F).

CECO ID	MATERIAL	SCHEDULE	NOMINAL THICKNESS	HEAT
01-36-01	SA-155-KCF70 /SA-516 GR70 HT-D	NA	1.5" Actual	802E31130
01-28-01	SA-155-KCF70 /SA-516 GR70 HT-D	NA	1.1" Actual	811S29170
01-26-01	SA-155-KCF70	NA	1.25" Actual	PQC-353/355
01-26-02	SA-155-KCF70	NA	1.062" Actual	EHCT
01-26-04	SA-508	NA	1.5" Actual	Q2Q82QT
01-24-01	SA-358 GR.304	80	1.219	PQC-523
01-24-02	SA-106 GR.B	40	.688	N33432
01-24-03	SA-106 GR.B	20	.375	N14608
01-24-04	SA-106 GR.B	100	1.531	L2373
01-24-05	SA-155	140	2.062	67293
01-24-07	SA-182-F304	100	1.531	624108
01-24-08	SA-358 GR.304	60	.969	F83910
01-20-01	SA-106 GR.B	40	.594	L0244
01-20-02	SA-358 TP.304	40S	.375	38499
01-20-03	SA-376 TP.304	80	1.031	3-365
01-20-04	SA-333-GR.6	100	1.281	J6252
01-18-01	SA-106 GR.B	40	.562	L21681
01-18-02	SA-106 GR.B	100	1.156	L2401
01-18-03	SA-106 GR.B	80	.938	N12383
01-18-04	SA-358 TP.304	40S	.375	19397
01-18-05	SA-106 GR.B	STD.	.375	80922
01-16-01	SA-106 GR.B	40	.500	46461
01-16-02	SA-106 GR.B	100	1.031	N13433
01-16-04	SA-358-GR.304 /SA-240 TP304 HT-D	60	.656	F81321
01-14-01	SA-106-GR.B	30	.375	150038

CECO ID	MATERIAL	SCHEDULE	NOMINAL THICKNESS	HEAT
01-14-02	SA-106 GR.B	100	.920	L04563
01-14-03	SA-106 GR.B	40	.438	43378
01-14-04	SA-508	100	0.92	Unknown
01-12-01	SA-106 GR.B	40	.406	N33751
01-12-02	SA-333 GR.6	100	.844	65235
01-12-03	SA-333 GR.6	120	1.00	45067
01-12-04	SA-106 GR.B	100	.844	N11774
01-12-05	SA-106 GR.B	STD	.406	252594
01-12-06	SA-312-TP.304	100	.844	7332
01-12-07	SA-358	80	.688	61372
01-12-08	SA-335	80	.688	F8543
01-12-09	SA-182	NA	1.00	78158
01-10-01	SA-106 GR.B	100	.719	152177
01-10-02	SA-106 GR.B	40	.365	252374
01-10-03	SA-333 GR.6	100	.719	182462
01-10-04	SA-106 GR.B	80	.594	C.O.C.
01-08-01	SA-106 GR.B	160	.906	PQC-355/353
01-08-02	SA-106 GR.B	40	.322	152069
01-08-04	SA-106	80	.500	151967
01-06-01	SA-106 GR.B	40	.28	L20194
01-06-02	SA-106 GR.B	120	.562	N12121
01-06-03	SA-333 GR.6	120	.562	L03849
01-04-04	SA-333 GR.6	120	.438	77607
01-04-05	SA-376	80	.337	2P4894
01-03-03	SA-335	80	.300	3P6428

CECO ID	MATERIAL	SCHEDULE	NOMINAL THICKNESS	HEAT
01-60-01	SA-193 GR7	NA	3.25" Diameter	11762
01-60-02	SA-540 CL3 GR B-23	NA	2.25" Diameter	45380
01-60-03	SA-193 GR B-7	NA	2.75" Diameter	11762
01-60-04	SA-193 GR B-7	NA	2.0" Diameter	11762
01-60-05	AISI4340	NA	1.5" Actual	Unknown
01-61-01	SA-540 GR B-24 CL1	NA	6.25" Diameter	15352
01-62-01	SA-540 GR B-24 CL1	NA	6.00" Diameter	15352
01-70-01	SA-508/SB-166	NA	.77/.5	PQC-349
01-70-02	SA-508 G.2/ SB-166	NA	1.316/1.316	AGE/RF
01-70-03	SA-508/SS-304	NA	1.35/1.6	AV3929-9E-910/ 300J80-1A
01-70-04	SB-166/SA-508	NA	1.1	NX7785/522308
01-70-05	SA-508 CL2/ SA-182 F304	NA	0.64 Actual 0.84 Actual	AV-3929-9E-9210/ S21014BLB
01-70-06	SA-508/SA-182	NA	0.89/1.08 Actual	Unknown
01-71-01	SB-166/SA-508	NA	.65" Actual	PQC-916
01-72-02	SA-508/SA-182	NA	1.25/1.25	224887/78158
01-91-03	SA-533 GR.B	NA	7" Nominal	PQC-448
01-91-04	SA-533 GR.B	NA	4.75	PQC-448
01-91-05	SA-533 GR.B	NA	4.2	PQC-448
01-91-06	SA-516 GR.70 /304L Clad	NA	1.18	811T20750
01-91-07	SA-516 GR.70 /304L Clad	NA	0.81	422A9521

CECO ID	MATERIAL	SCHEDULE	NOMINAL THICKNESS	HEAT
01-91-08	SA-508	NA	1.5" Acutal	Unknown
01-92-01	SA-533	NA	6.8	PQC-867
01-92-02	SA-508/ SA-541	NA	12.75 Actual	PQC-867
01-92-03	SA-533 GR.B	NA	7.45	PQC-867
01-92-04	SA-533	NA	5.4 Actual	PQC-867
01-92-05	SA-533	NA	3.8 Actual	PQC-867
01-92-06	SA-533	NA	6.85	PQC-867
01-92-07	SA-533 GR.B	NA	8.45	PQC-867

WELD TYPE DRAWINGS

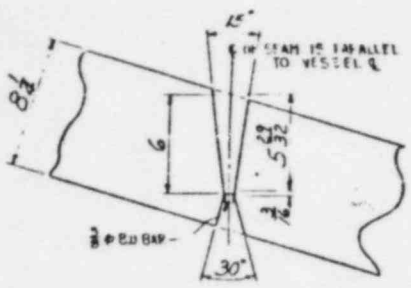
Weld Type	Application	Drawing
2V1	Bottom Vessel Head to Shell Ring 1 (AA)	CBIN Dwg #7 Detail #4
2V2	Bottom Head Circumferential Weld (AJ)	CBIN Dwg #7 Detail #3
2V3	Bottom Head Meridional Weld	CBIN Dwg #7 Detail #2
2V4	Bottom Head Longitudinal Welds	CBIN Dwg #7 Detail #1
2V5	Vessel Support Skirt Weld	CBIN Dwg #9
2V6	Shell Ring #1 to Shell Ring #2 Weld and Shell Ring #2 to Shell Ring #3 Weld	CBIN Dwg #6 Detail #1
2V7	Shell Ring #1, #2, and #3 Vertical Welds	CBIN Dwg #6 Detail #4
2V8	Shell Ring #3 to Shell Ring #4 Weld	CBIN Dwg #6 Detail 2
2V9	Shell Ring #4 Vertical Welds	CBIN Dwg #6 Detail #5
2V10	Shell Ring #4 to Vessel Flange Weld	CBIN Dwg #6 Detail #3
2V11	Top Head to Flange Weld	CBIN Dwg #7 Detail #5
2V12	Top Head Circumferential Weld (AH)	CBIN Dwg #7 Detail #7
2V13	Top Head Meridional Welds	CBIN Dwg #7 Detail #6
2V14	N1-Recirculation Outlet (N-V)	CBIN Dwg #46
2V14A	N1-Recirculation Outlet (N-SE)	CBIN Dwg #46
2V15	N2-Recirculation Inlet (N-V)	CBIN Dwg #48
2V15A	N2-Recirculation Inlet (N-SE)	CBIN Dwg #48
2V16	N3-Main Steam (N-V)	CBIN Dwg #51
2V16A	N3-Main Steam (N-SE)	CBIN Dwg #51
2V17	N4-Feedwater (N-V)	CBIN Dwg #52

WELD TYPE DRAWINGS

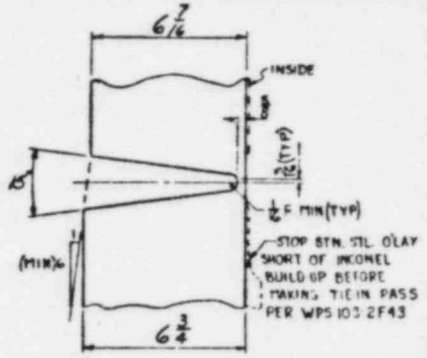
Weld Type	Application	Drawing
2V17A	N4-Feedwater	CBIN Dwg #52
2V18	N5-Low Pressure Core Spray (N-V)	CBIN Dwg #55
2V18A	N5-Low Pressure Core Spray (N-SE)	CBIN Dwg #55
2V19	N6-Residual Heat Removal/LPCI (N-V)	CBIN Dwg #58
2V19A	N6-Residual Heat Removal/LPCI (N-SE)	CBIN Dwg #58
2V19B	N6-Residual Heat Removal/LPCI (SE-EX)	CBIN Dwg #59
2V20	N7-Head Spray (N-V)	CBIN Dwg #61
2V20A	N7-Head Spray (N-WNF)	CBIN Dwg #61
2V21	N8-Head Vent (N-V)	CBIN Dwg #62
2V21A	N8-Head Vent (N-WNF)	CBIN Dwg #62
2V22	N9-Jet Pump Instrumentation (N-V)	CBIN Dwg #63
2V22A	N9-Jet Pump Instrumentation (N-SE)	CBIN Dwg #63
2V23	N10-Control Rod Drive (N-V)	CBIN Dwg #65
2V23A	N10-Control Rod Drive (N-Cap)	CBIN Dwg #65
2V24	N16-High Pressure Core Spray (N-V)	CBIN Dwg #73
2V24A	N16-High Pressure Core Spray (N-SE)	CBIN Dwg #73
2V24B	N16-High Pressure Core Spray (SE-EX)	CBIN Dwg #74
2V25	N18-Top Head Spare Nozzle (N-V)	CBIN Dwg #76
2V25A	N18-Top Head Spare Nozzle (N-WNF)	CBIN Dwg #76
2V26	RPV Stud, Nuts, Washers	CBIN Dwg #35 and #36
MF-1	Welding End Details - General Notes	MF-270.8.1
MF-2	Welding End Detail - Inert Gas Arc Welding Carbon, Low Alloy & Special Wall Steel Pipe	MF-270.8.2
MF-3	Welding End Detail & Table - Inert Gas Arc Welding Stainless Steel Pipe	MF-270.8.3
MF-4	Welding End Details - Carbon & Low Alloy Steel Pipe, Flat Backing Rings, Sizes 2 1/2" & Larger - T - .500" or less and Primary Service Rating 300 lbs. or less.	MF-270.8.4

WELD TYPE DRAWINGS

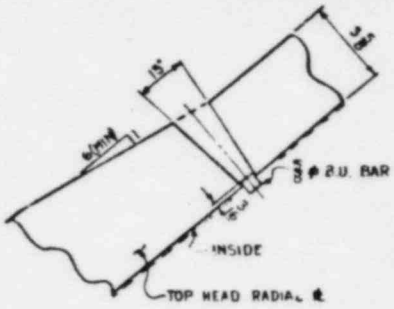
Weld Type	Application	Drawing
MF-5	Welding End Details - Carbon & Low Alloy Steel Pipe, Tapered Backing Rings, Sizes 2 1/2" and larger - "T" - .750" or less.	MF-270.8.5
MF-6	Welding End Details - Carbon & Low Alloy Steel Pipe, Tapered Backing Rings, Sizes 6" and Larger - "T" - Larger than .750".	MF-270.8.6
FH-1	Pipe-Sleeve Penetration Head Assemblies	S&L-M-778
SW-1	Main Steam Saddle Welds	Not available at this time
SW-2	RR-Riser Saddle Welds	Not available at this time
GE-1	Piping Weld Prep	GE-131C8661
GE-2	Butt-weld end prep for Pumps, Valves & Other Components	GE-131C8662
RH-1	Shell Assembly & Details for Residual Heat Removal System (Struthers Wels Corp. Dwg)	1-71-04-30971D3
RH-2	18" Weld End "N3" Detail	1-71-04-30971C3
RH-3	18" Weld End "N4" Detail	1-71-04-30971C4
BW-1	RCIC Pump Section Nozzle	B-26415
BW-2	RCIC Pump Discharge Nozzle	B-26381
GR-1	Grinnell Industrial Piping Long Seams	NG1152-2 NG1153-2 NG1155-2 NG1156-2



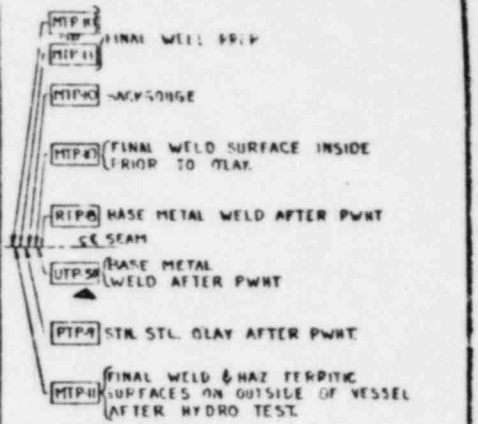
DETAIL 1
BOTTOM HEAD DOLLAR R TO GETHER
SEE PROCEDURE WPS 303-1F4



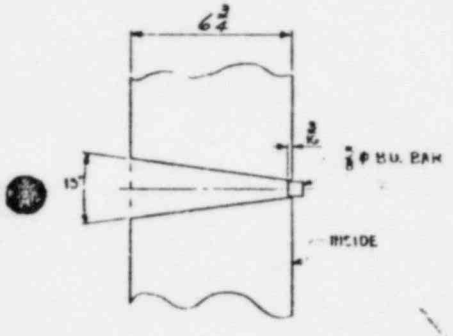
DETAIL 1
BOTTOM HEAD TO #1 SHELL RING - GIRTH
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4



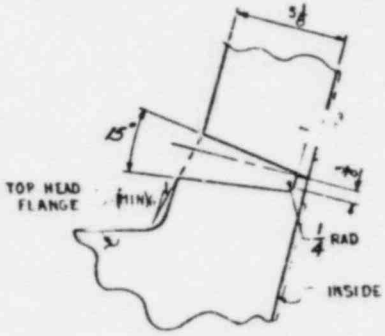
DETAIL 7
TOP HEAD RADIAL R: TO DOLLAR R
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4



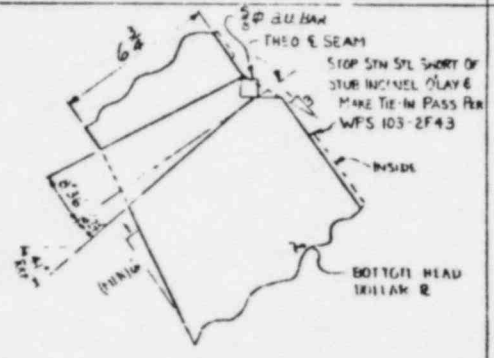
TYP. NDI EXAMINATION REQUIREMENTS



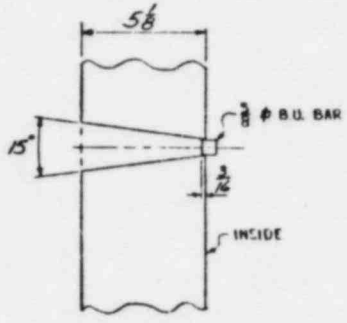
DETAIL 2
BOTTOM HEAD RADIAL R: TO GETHER
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4



DETAIL 5
TOP HEAD TO FLANGE
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4



DETAIL 3
BOTTOM HEAD TO #1 SHELL RING
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4



DETAIL 6
TOP HEAD RADIAL R: TO GETHER
SEE PROCEDURES WPS 323-2F4F6 & WPS 303-1F4

NOTES:
1. AUTOMATIC CLAY PER WPS 123-1F7 & WPS 143 8F2
2. HAND CLAY PER WPS 103 1F5 & WPS 143 1F5F2
3. R THICKNESS SHOWN IS ORDERED THICKNESS.
4. B.U. BAR SIZES SHOWN ARE NOMINAL

GENERAL ELECTRIC
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval.
☐ Approved with Comments. Revise and resubmit IN FINAL FORM.
☐ Refer to EDS No. _____
☒ Approved. No further action req'd.
☐ Approved. Submit certified copy
☐ Certified by Seller and Approved by Buyer.
Reviewed by: E Rothschild
Date 9 July 74
VPF No. 3073-7-9

REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE

4	GEN. NOTES & TOLERANCES	

CBI NUCLEAR COMPANY

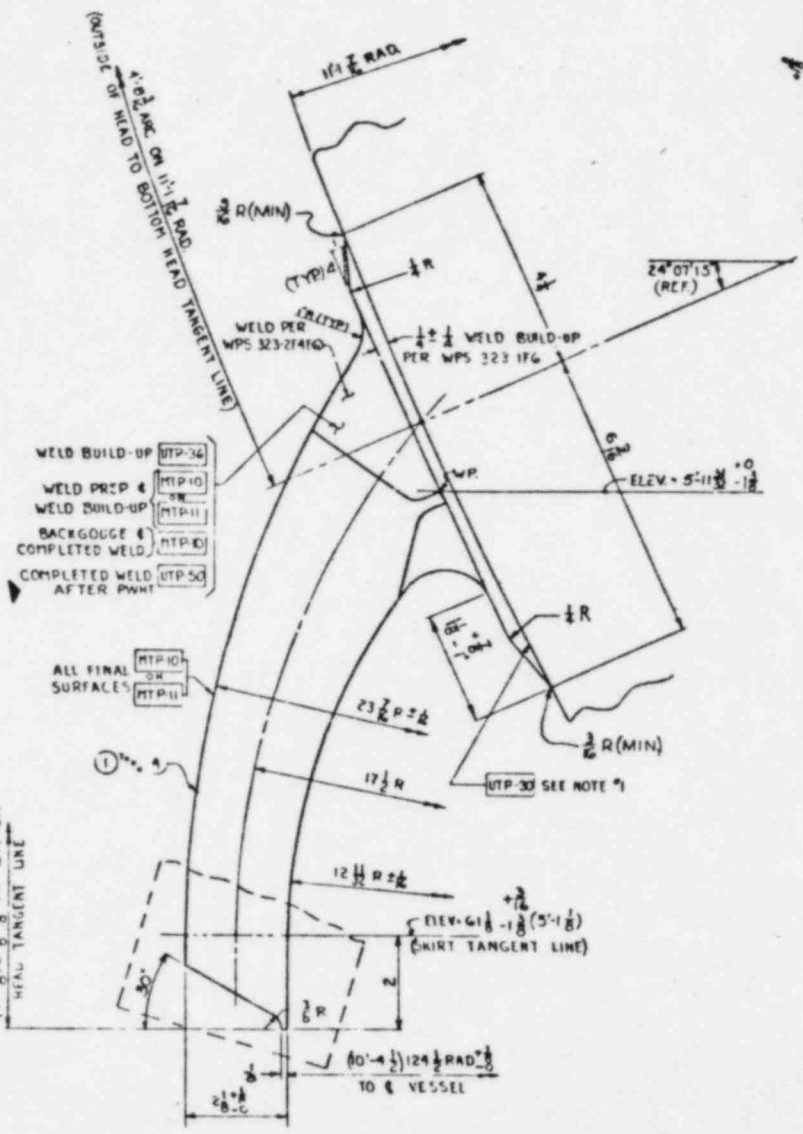
SEAM DETAILS (HEADS)

DRAWING NO. 21 AE 670	VPF # 3073-7	
SCALE	DRAWN ELB	DATE 4-11-74
CHKD	DATE	SIZE D
APPD	DATE 7-9-74	72-2046

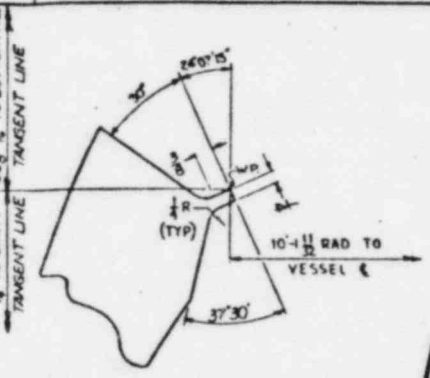
ITEM NO.	MARK	ASSY. NO.	DESCRIPTION	QTY.	LENGTH	SPEC.	
	9-A		SKIRT KNUCKLE ASSY.				B3
	9-1	4	PL SA-[illegible] (FORM & MACH)			MS-1	B3
	9-4		(7/8 R 72 +9 1/2 +17 3 1/4)				
	9-5	4	1/8 Ø BIL BAR	1	2		B3

NOTES:

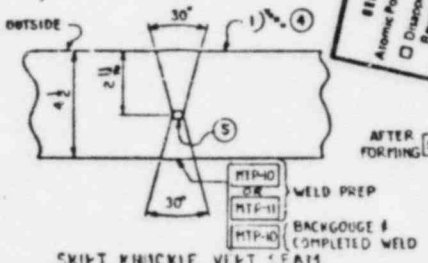
1. SHOP UT BASE METAL 4 3/4 (MIN) DEEP & 2 3/8 MIN) ABOVE & BELOW WELD BUILD UP.
2. SKIRT KNUCKLE PL (9-1) & (9-4) ARE WELDED INTO A SOLID RING BEFORE FINAL MACHINING. THE MACHINED ASSY IS CUT INTO HALF SECTIONS FOR SHIPMENT TO MEMPHIS, THEN REWELDED FOR FINAL ASSY TO BOTTOM HEAD.



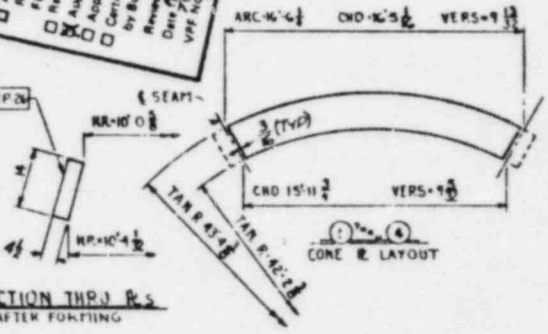
SKIRT KNUCKLE



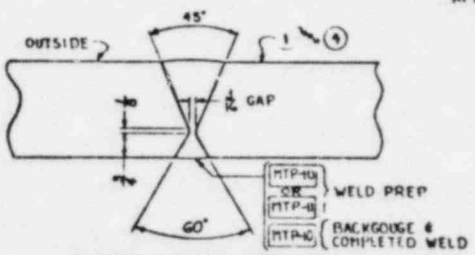
SKIRT KNUCKLE WELD PREP



SKIRT KNUCKLE VERT SEAM
@ 0° 90° 180° & 270° (BEFORE MACH)
WELD PER WPS 303-1F4 (SEE NOTE "2")



SECTION THRU R-5
AFTER FORMING



SKIRT KNUCKLE VERT SEAM
@ 45° & 225° (AFTER MACH)
WELD PER WPS 303-1F4 (SEE NOTE "2")

17	20T. HEAD ASSY.
10	SKIRT & BASE PL.
4	GEN. NOTES & TOL.

REVISED PER CORPORATE QA PLAN RELEASE FOR USE
UPDATED BY [illegible] REV. 7 OCT '[illegible]

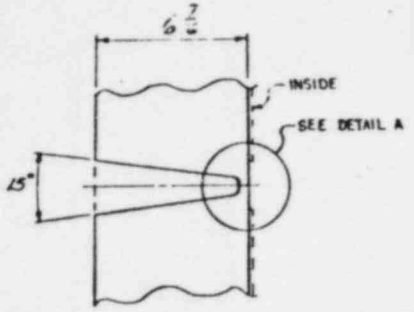
CBI NUCLEAR COMPANY

SKIRT KNUCKLE

205AE020 | VHF 3073-9

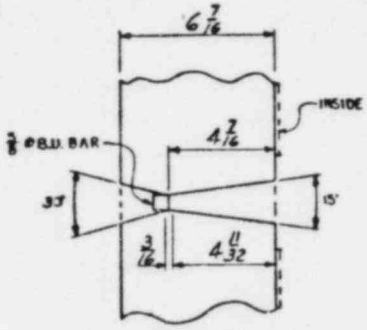
72-2046

10-8-71



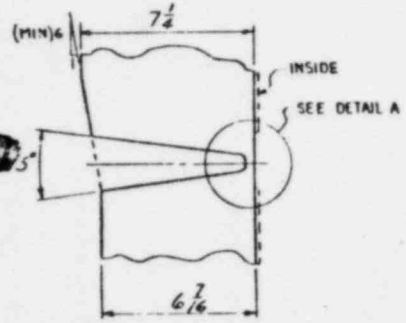
DETAIL 1

"1 & "2 & "3 SHELL RING ~ GIRTH
SEE PROCEDURES WPS 323-2F4FG & WPS-303-1F4



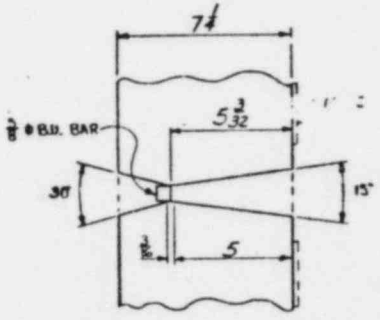
DETAIL 4

"1 & "2 & "3 SHELL RING Rs TOGETHER ~ VERT
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4



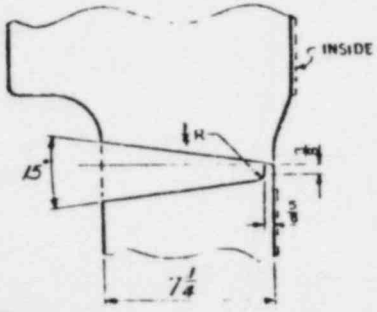
DETAIL 2

"3 & "4 SHELL RING ~ GIRTH
SEE PROCEDURES WPS 323-2F4FG & WPS-303-1F4



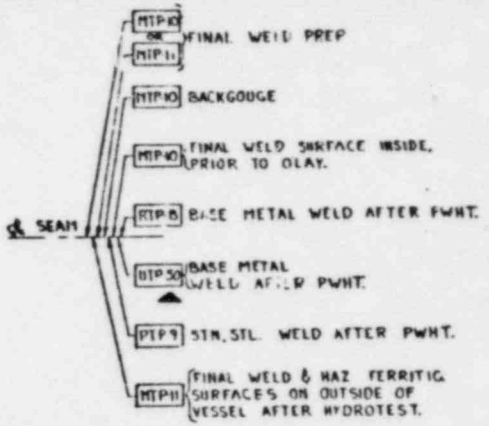
DETAIL 5

"4 SHELL RING Rs TOGETHER ~ VERT
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4



DETAIL 3

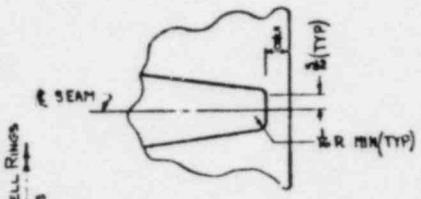
"4 SHELL RING TO SHELL GIRTH
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4



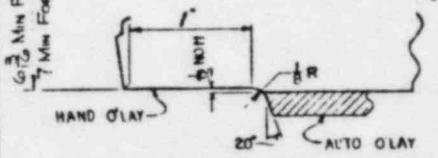
TYP NDT EXAMINATION REQUIREMENTS

NOTES:

1. AUTOMATIC OLAY PER WPS 123 1F7 & WPS 143 1F7.
2. HAND OLAY PER WPS 103 1F5 & WPS 143 1F5F7.
3. R THICKNESS SHOWN IS ORDERED THICKNESS.
4. BU. BAR SIZES SHOWN ARE NOMINAL.



DETAIL A



OLAY STRIP-BACK

(REQ'D @ SHELL VERT SEAMS WHERE SHELL Rs ARE OLAYED PRIOR TO FINAL ASS'Y.)

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM.
- ☐ Refer to EDS No. _____
- ☒ Approved. No further action req'd.
- ☐ Approved. Submit certified copy
- ☐ Certified by Seller and Approved by Buyer.

Reviewed by C.O. Lokrudt
Date 9 July 74
VPF No. 3073-6-7

REVIEWED PER CHROMATE QA PLAN RELEASED FOR USE
UPDATED BY _____ REV. 4 DATE 7-30-74

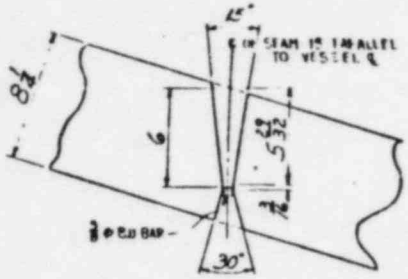
4	GEN. NOTES & TOLERANCES

GENERAL ELECTRIC NUCLEAR COMPANY

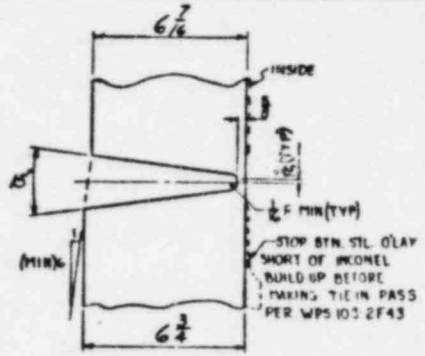
SEAM DETAILS (SHELL)

VPF # 3073 6

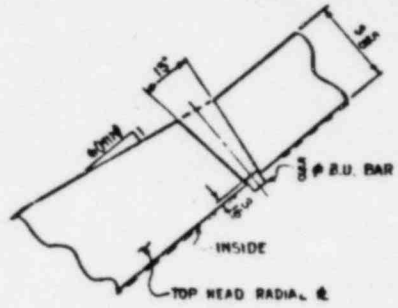
72-2046



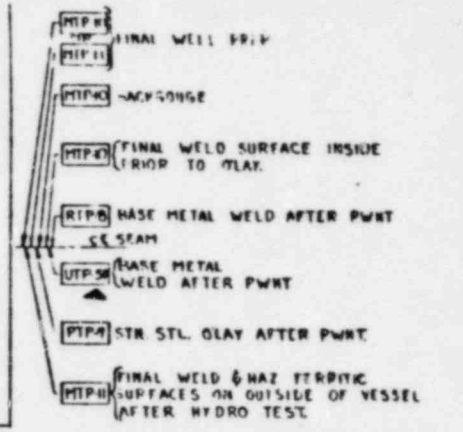
DETAIL 1
BOTTOM HEAD COLLAR & TOGETHER
SEE PROCEDURE WPS 303-1F4



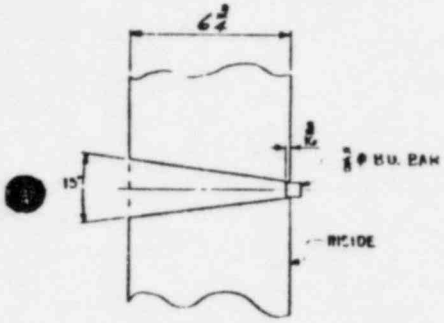
DETAIL 1
BOTTOM HEAD TO #1 SHELL RING - GIPTH
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4



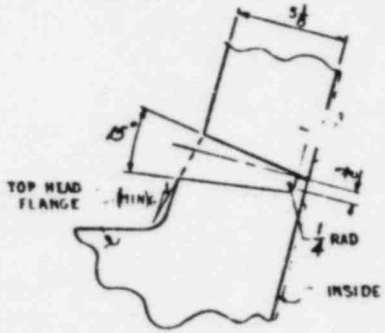
DETAIL 7
TOP HEAD RADIAL ℄ TO COLLAR ℄
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4



TYP. NDI EXAMINATION REQUIREMENTS

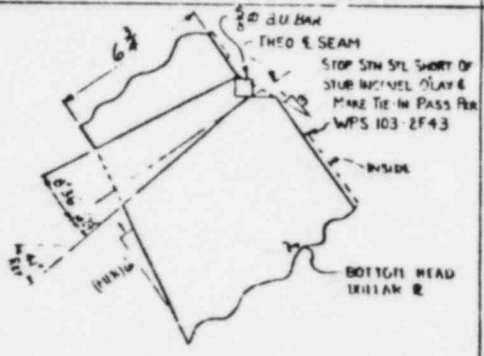


DETAIL 2
BOTTOM HEAD RADIAL #5 TOGETHER
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4

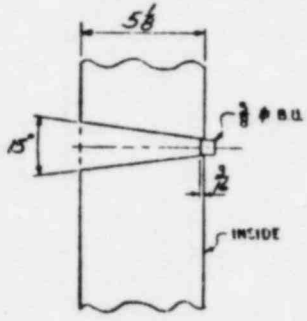


DETAIL 5
TOP HEAD TO FLANGE
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4

NOTES:
1. AUTOMATIC OLAY PER WPS 123-1F7 & WPS 103 8F7
2. HAND OLAY PER WPS 103 1F5 & WPS 103 1F5F2
3. R THICKNESS SHOWN IS ORDERED THICKNESS.
4. BU BAR SIZES SHOWN ARE NOMINAL



DETAIL 3
BOTTOM HEAD [illegible]
[illegible] WPS 323-2F4FG & WPS 303-1F4



DETAIL 6
TOP HEAD RADIAL # TOGETHER
SEE PROCEDURES WPS 323-2F4FG & WPS 303-1F4

GENERAL ELECTRIC
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval.
☐ Approved with Comments. Revise and resubmit IN FINAL FORM.
☐ Refer to EDS No? _____
☒ Approved. No further action req'd
☐ Approved. Submit certified copy
☐ Certified by Seller and Approved by Buyer.
Reviewed by D Richards
Date 9 July 74
VPF No. 3073-7-9

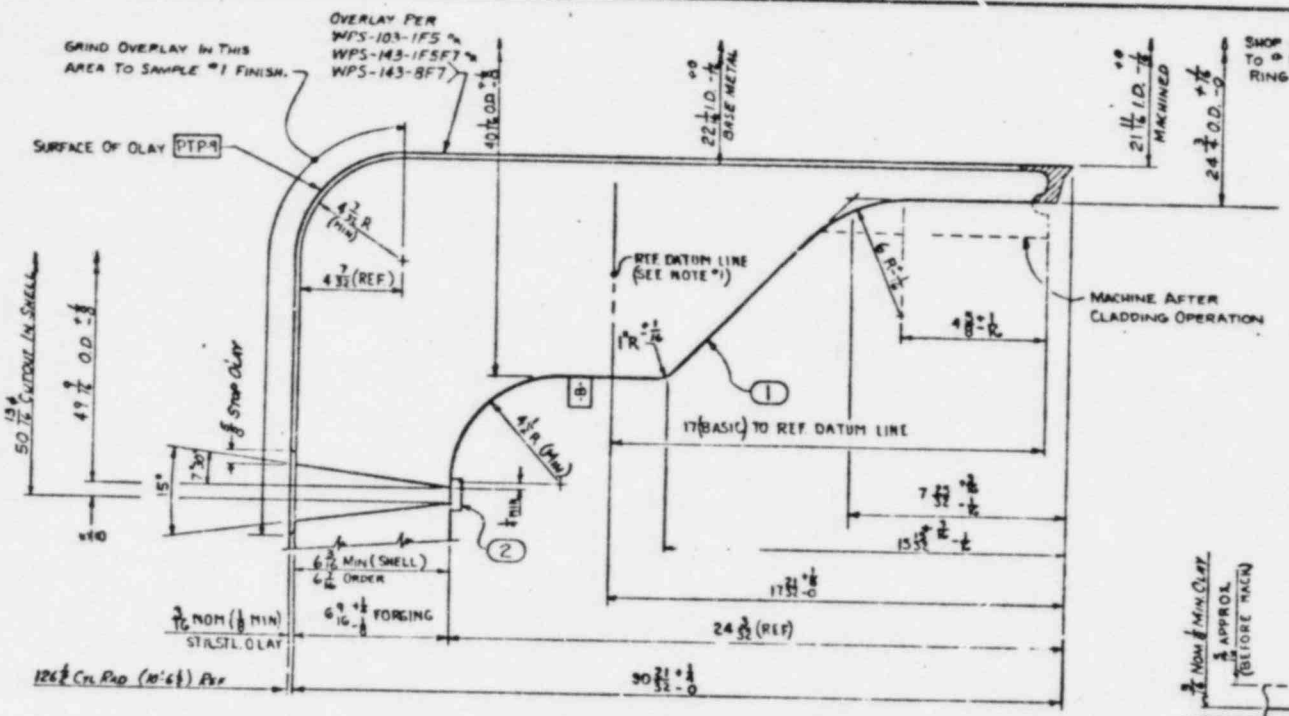
REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE
[illegible] 7-30-74

4	GEN. NOTES & TOLERANCES

GENERAL ELECTRIC NUCLEAR COMPANY

SEAM DETAILS
(HEADS)

DES. UT ANG	21	AE 670	VPF # 3073-7
	ELB		72-2046



LONGITUDINAL SECTION

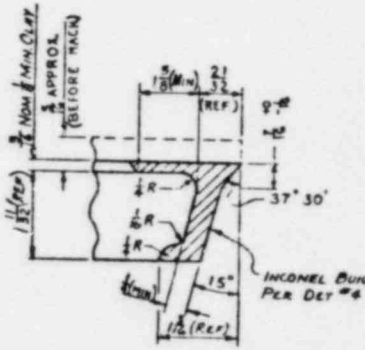
ITEM NO.	MARK NO.	QUAN. REQ'D	DESCRIPTION	LENGTH FT	LENGTH IN	SPEC	
	46-1	2	RECIRCULATION OUTLET NOZZLE FORGING (UNDER PER DWG M3)			MS-7 (SA508 CL 2)	49
	46-2	2	B.U. BAR 1" x 3/8 x 5K (MFR BAR 15'-2 LG)	13	5 3/8	SA533 GR B CL 1	49

NOTES:

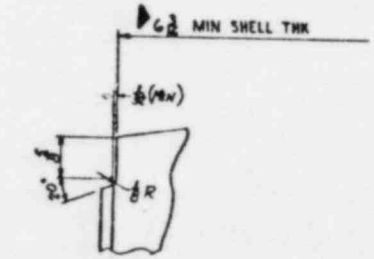
1. SHOP SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE APPLYING INCONEL BUILD-UP.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN +40°F.
4. ALL DIA. TO BE Ⓜ B 015+

GENERAL ELECTRIC
Atomic Power Equipment Department
- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM
- ☐ Refer to EDS No. ____
- ☐ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer

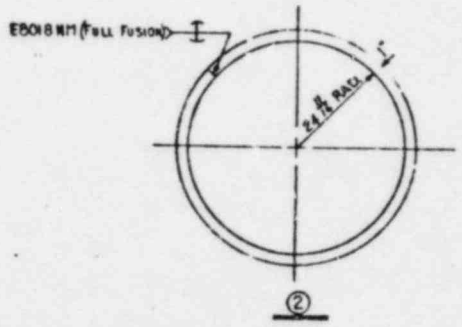
Reviewed by: [signature]
Date: 7-15-72
VPF No. 307346-5



DETAIL OF NOZZLE WELD PREP
(SEE NOTE #2)



OLAY STRIP BACK DETAIL
SHELL ONLY



REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE
UPDATED BY REV. DATE

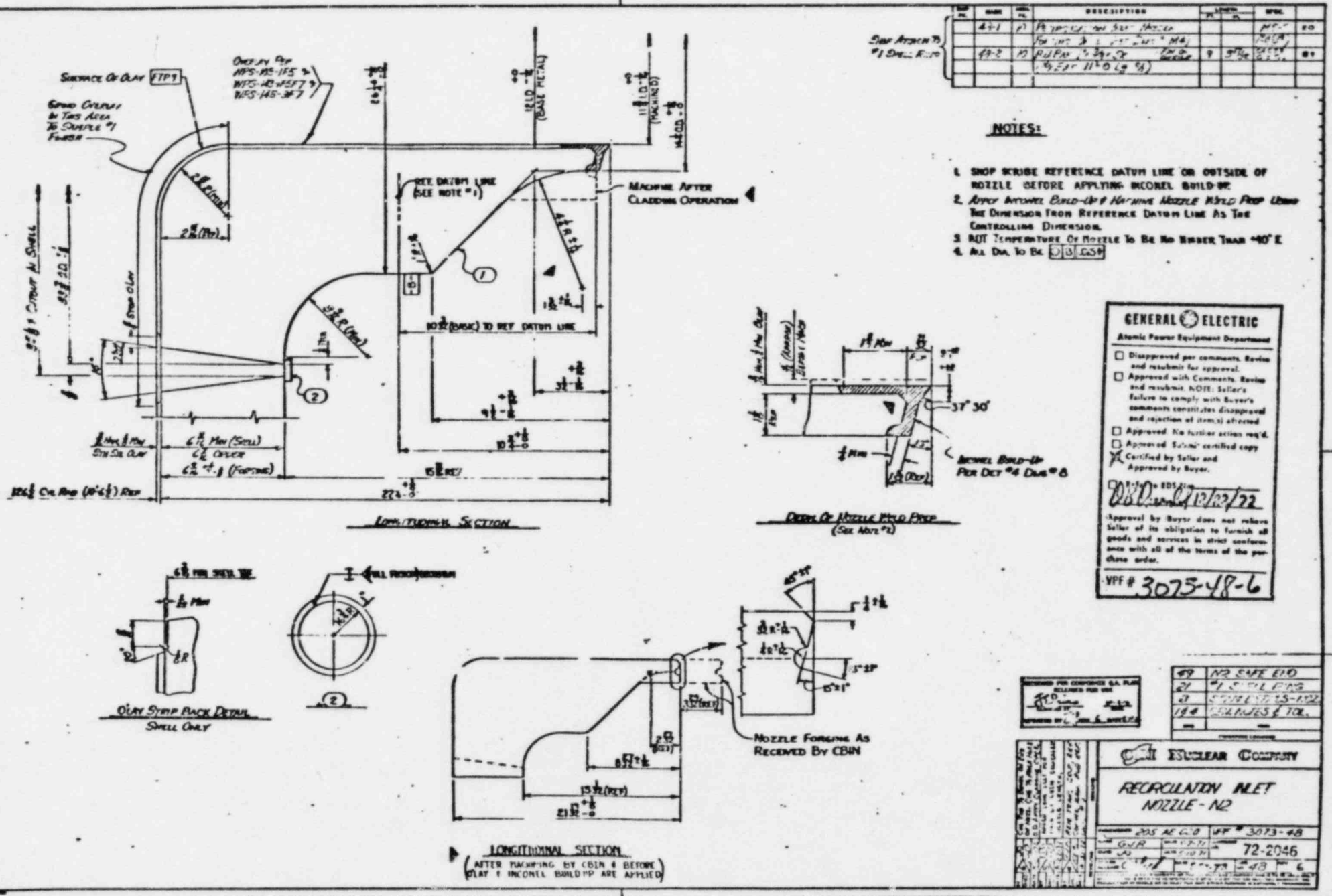
47	NI SAFE END
21	1 SHELL RING
8	SEAM DETAILS - NOZ
15 & VAR	IN NOTES & TOL.

GENERAL ELECTRIC NUCLEAR COMPANY

RECIRCULATION OUTLET NOZZLE N1

205 AE 020 | VPF 307346 | 72-2046

REV. 10 | DATE 5-10-72 | SCALE 3/8 | SHT 5



ITEM NO.	MARK	QTY.	DESCRIPTION	LENGTH FT.	LENGTH IN.	MTRL.	
	47-1	(2)	PLATE (SEE SKETCH)			MTL	20
			FOR USE ON SKETCH 1 (SEE DWG.			SPEC	
	47-2	(2)	PLATE 1 1/2" THK (SEE DWG.	9	9 7/16	SPEC	81
			FOR LOCATION ON SKETCH)				

Shop Attach To #1 Shell Ring

NOTES:

1. SHOP SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE APPLYING INCONEL BUILD-UP.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. PWHT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN 1150° F.
4. ALL DIM. TO BE [3] [3] GSP

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval.
- ☐ Approved with Comments. Revise and resubmit. NOTE: Seller's failure to comply with Buyer's comments constitutes disapproval and rejection of item(s) affected
- ☐ Approved. No further action req'd.
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer.

☐ Not to EDS Req.

DRD 12/12/72

Approval by Buyer does not relieve Seller of its obligation to furnish all goods and services in strict conformance with all of the terms of the purchase order.

VPF # 3073-48-6

49	N2 SAFE END
21	#1 SHELL RING
47	SHELLS 3-1/2
194	SEAMS & TOL.

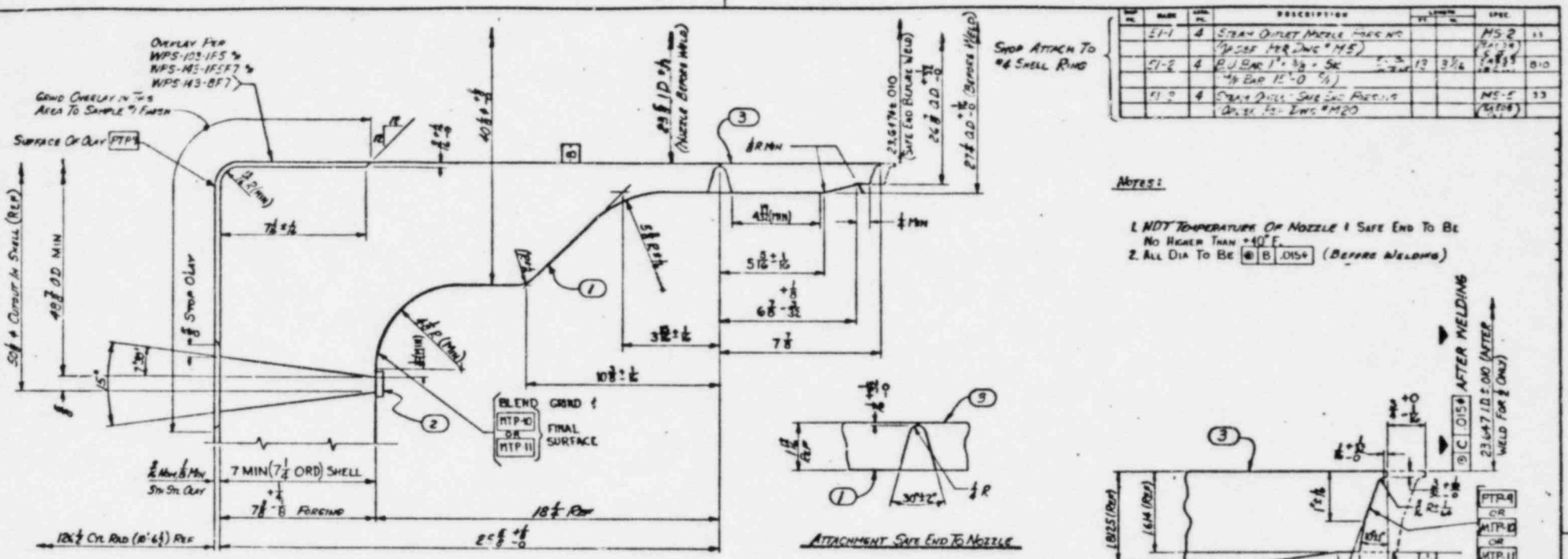
GENERAL ELECTRIC NUCLEAR COMPANY

RECIRCULATION INLET NOZZLE - N2

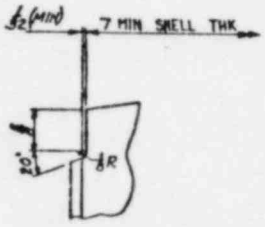
205 AE C.O. | VF # 3073-48

GWR | 72-2046

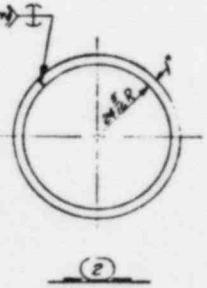
SH 1 | REV 4 | 48 | 6



Item	Mark	Qty	Description	Length		Spec	
	E1-1	4	Steam Outlet Nozzle Forging (Spec # MS)			MS-2	11
	S1-2	4	P.J. Bar 1" x 3/8 x Sec. (Bar 12'-0")	13	3 7/16		810
	F1-2	4	Steam Outlet Safe End Forging Spec. No. Equiv. to M20			MS-5	13



Olay Strip Back Detail (Shell Only)



GENERAL ELECTRIC
Atomic Power Equipment Department

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- ☐ Refer to EDS No. _____
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- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer.

Reviewed by: _____
Date 11-16-73
VPF No. 3073-51-8

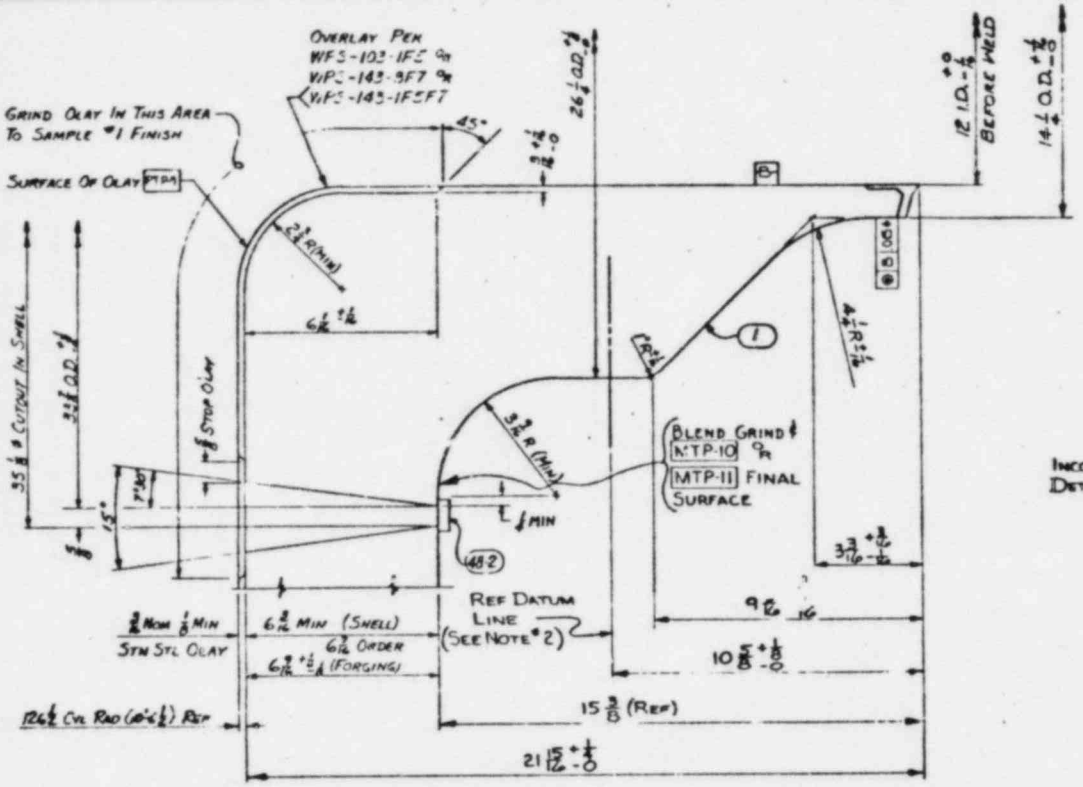
Reviewed per Corporate QA Plan
Released for Use
Updated By _____ Date _____

5	Tolerance Symbols
24	#4 Shell Rings
8	Seam Details (1027)
15 4	Gen. Notes & Tol.

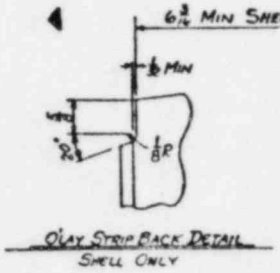
GE Nuclear Company

Steam Outlet Nozzle N3

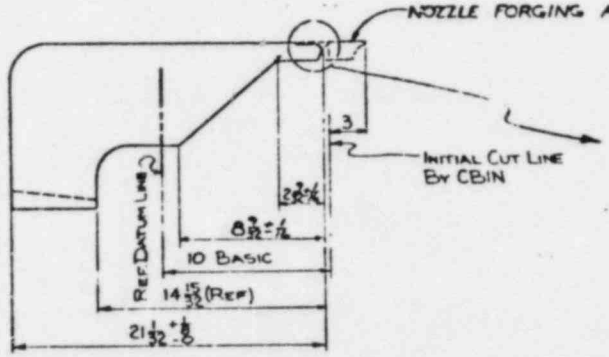
VPF # 3073-51
72-2046



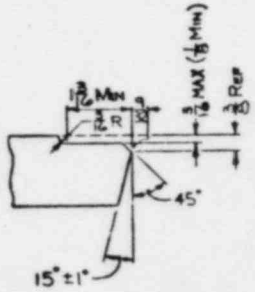
LONGITUDINAL SECTION

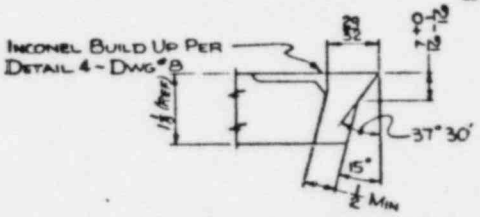


OLAY STOP BACK DETAIL
SHELL ONLY

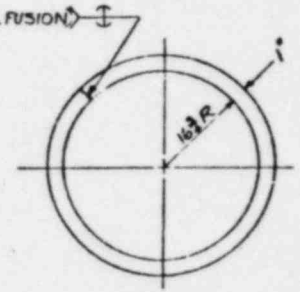


SECTION THRU NOZZLE
AFTER FINAL MACHINING BY CBIN





DETAIL OF NOZZLE WELD PREP
(SEE NOTE #3)



48-2

SHOP ATTACH TO #3 SHELL RING

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM
- ☐ Refer to EDS No. _____
- ☐ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer

Reviewed by [signature]
Date 8-12-75
VPF No. 3073-52-7

ITEM	MARK	QUAN. PC.	DESCRIPTION	LENGTH FT	LENGTH IN	SPEC	
	52-1	6	FEEDWATER NOZZLE FORGING (ORDER PER DWG #M6)			M5-2	4
	48-2	6	BU BAR 1" x 3/4 x SK (Mfg Bar 11'-0")	9	3 3/4	SA 508 CLASS 2 MOD W/B Cr-1	69

NOTES

1. NDT TEMPERATURE ON NOZZLE TO BE NO HIGHER THAN -(MINUS) 20°F.
2. SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE PREPARING NOZZLE FOR INCONEL OVERLAY
3. APPLY INCONEL BUILD UP & MACHINE NOZZLE WELD PREP USING THE DIMENSIONS FROM THE REFERENCE DATUM LINE AS THE CONTROLLING DIMENSIONS

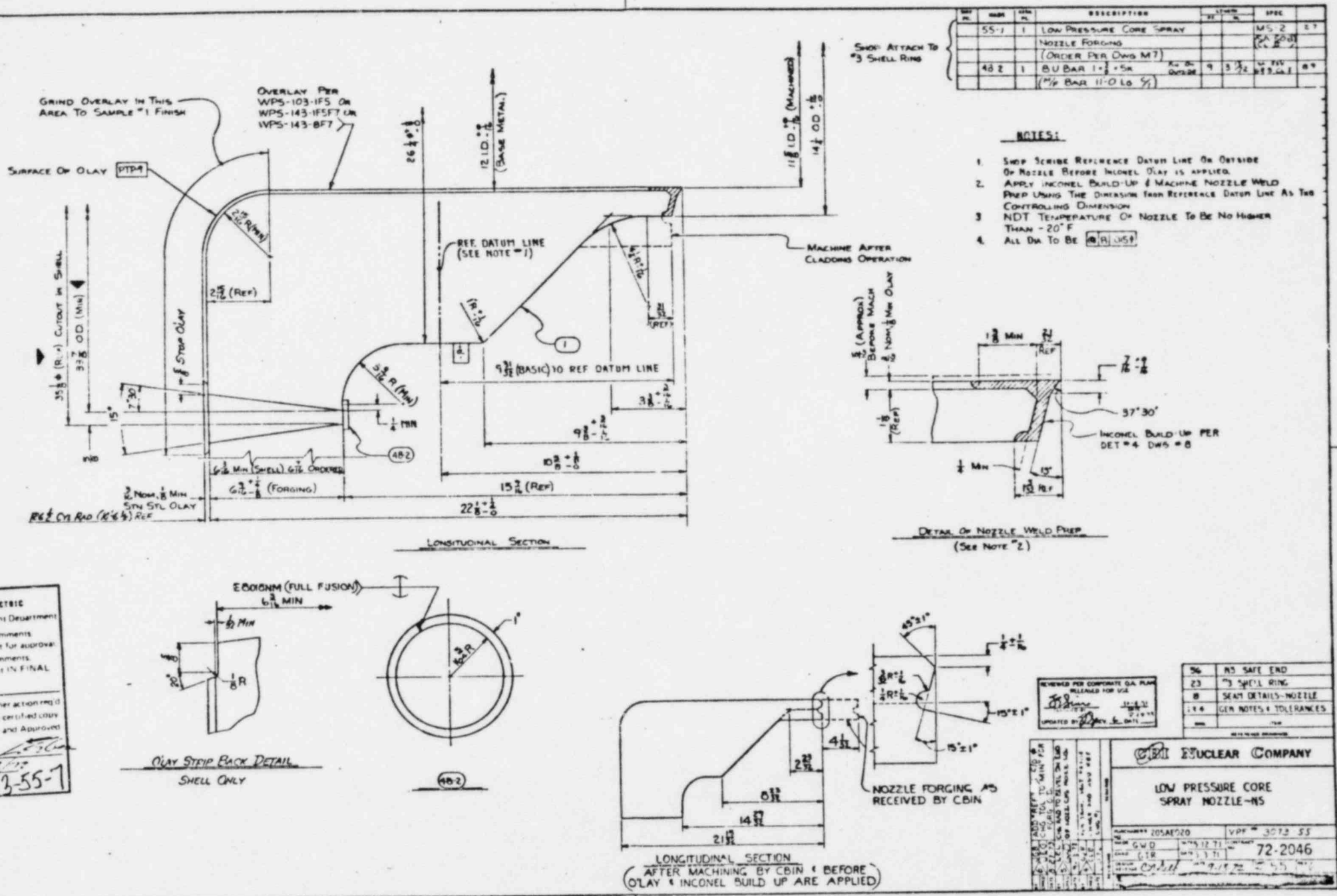
53	N4 SAFE END
45	N4 TC PADS
23	#3 SHELL RING ASSY
8	SEAM DETAILS - NOZ
16.4	GEN. NOTES & TOL.

REVIEWED PER CO RELEASE [illegible]
UPDATED BY CBI

CBI NUCLEAR COMPANY

FEEDWATER NOZZLE N4

205 AF 020	VPF # 3073-52		
JO	3-10-71	CONTRACT	72-2046
CLEAN	3-10-71		
[signature]	10/15/71	5.2	7



MARK NO.	MARK	QUAN.	DESCRIPTION	LENGTH FT	LENGTH IN	SPEC	
	55-1	1	LOW PRESSURE CORE SPRAY			MS 2	27
			NOZZLE FORGING			SA 508 CL 2	
			(ORDER PER DWG M7)				
	48 Z	1	BU BAR 1 x 1/2 x 5K				69
			(M/P BAR 11-0 LG 5/1)				

NOTES:

1. SHOP SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE INCONEL OLAY IS APPLIED.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION
3. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN -20° F
4. ALL DIA TO BE [M] R [U.S.I]

N6	N5 SAFE END
23	#3 SHELL RING
8	SEAM DETAILS-NOZZLE
1 & 4	GEN NOTES & TOLERANCES

REVIEWED PER CORPORATE QA PLAN RELEASED FOR USE

CBI NUCLEAR COMPANY

LOW PRESSURE CORE SPRAY NOZZLE-N5

DRAWING 205AE520 | VPF # 3073 55

DRWN GWD | DATE 12 71

CHKD GTR | DATE 3 71

72-2046

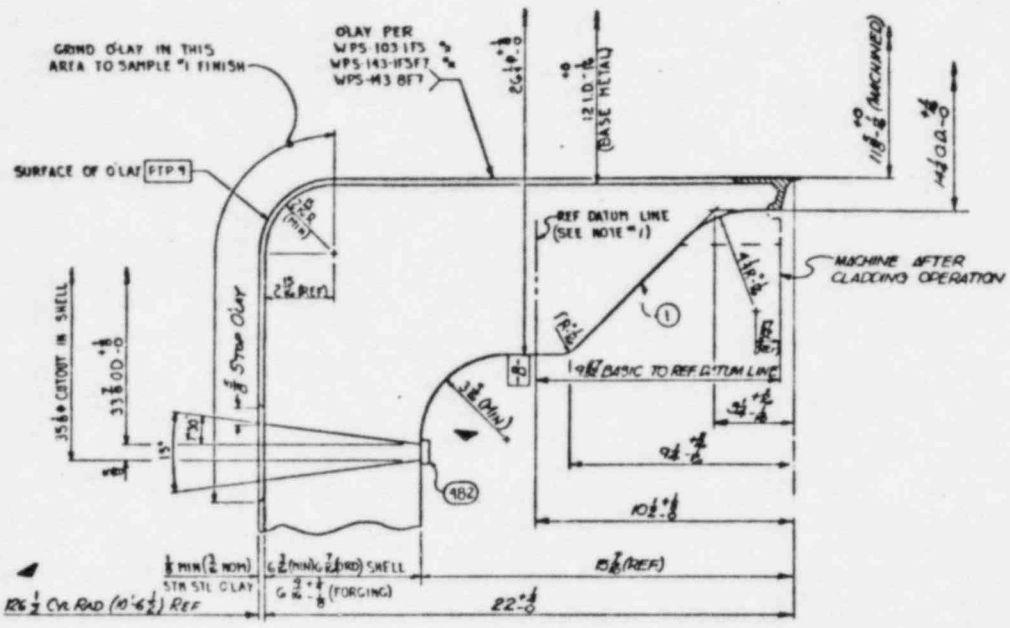
ELECTRIC
Documents Department
[illegible] comments
resubmit for approval
with comments
resubmit IN FINAL
JOS NO
No further action req'd
Submit certified copy
to Seller and Approved
By
Date
3073-55-7

ITEM NO.	MARK	QUAN. PC.	DESCRIPTION	LENGTH FT	LENGTH IN	SPEC.	
	58-1	3	RWR/PCI MODE NOZZLE FORGING			MS-2	26
			(ORDER PER DWG "MR)			SA508 CL 2	
	48-2	3	BG BAR 1"+⅛"-5% THK BY INTEGRAL	9	3 7/32	SA-533 GR B CL 1	89
			(7/8 BAR 11-0 LONG ½)				

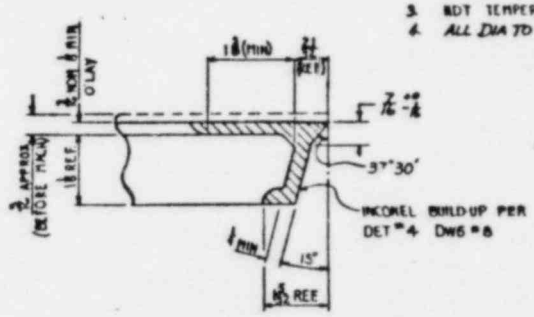
SHOP ATTACH TO "2 SHELL RING

NOTES:

1. SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE APPLYING INCONEL BUILD-UP.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM THE REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN -20°F.
4. ALL DIA TO BE Ⓜ B LOS#

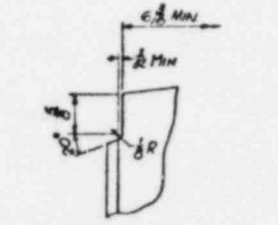


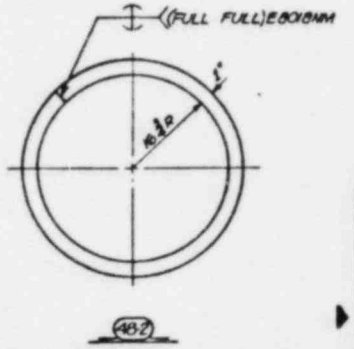
LONGITUDINAL SECTION

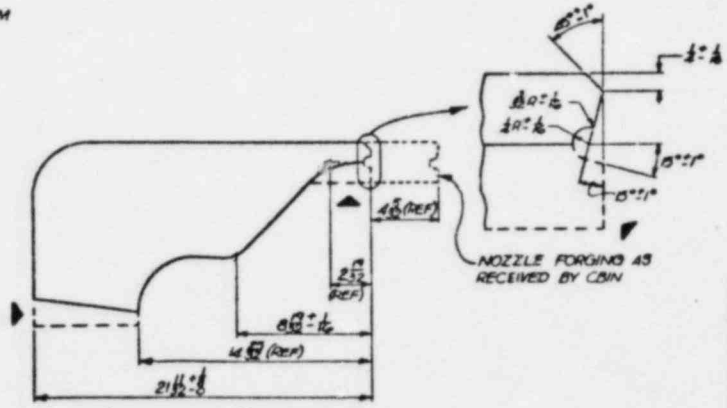


NOZZLE WELD PREP
(SEE NOTE "2

GENERAL ELECTRIC
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval
☐ Approved with Comments. Revise and resubmit IN FINAL FORM
☐ Refer to EDS No. _____
☒ Approved. No further action req'd
☐ Approved. Submit certified copy
☐ Certified by Seller and Approved by Buyer
Reviewed by H.I. Clem
Date 4-28-75
VPF No. 3073-58-5







LONGITUDINAL SECTION
(AFTER MACHINING BY CBIN & BEFORE O'LAY & INCONEL BUILD-UP ARE APPLIED)

REVIEWED PER CORPORATE QA PLAN RELEASED FOR USE

60	THERMAL SLEEVE
59	SAFE END
22	"2 SHELL RING
8	SEAM DETAILS-NOZZLES
1 & 4	GEN NOTES & TOLERANCES

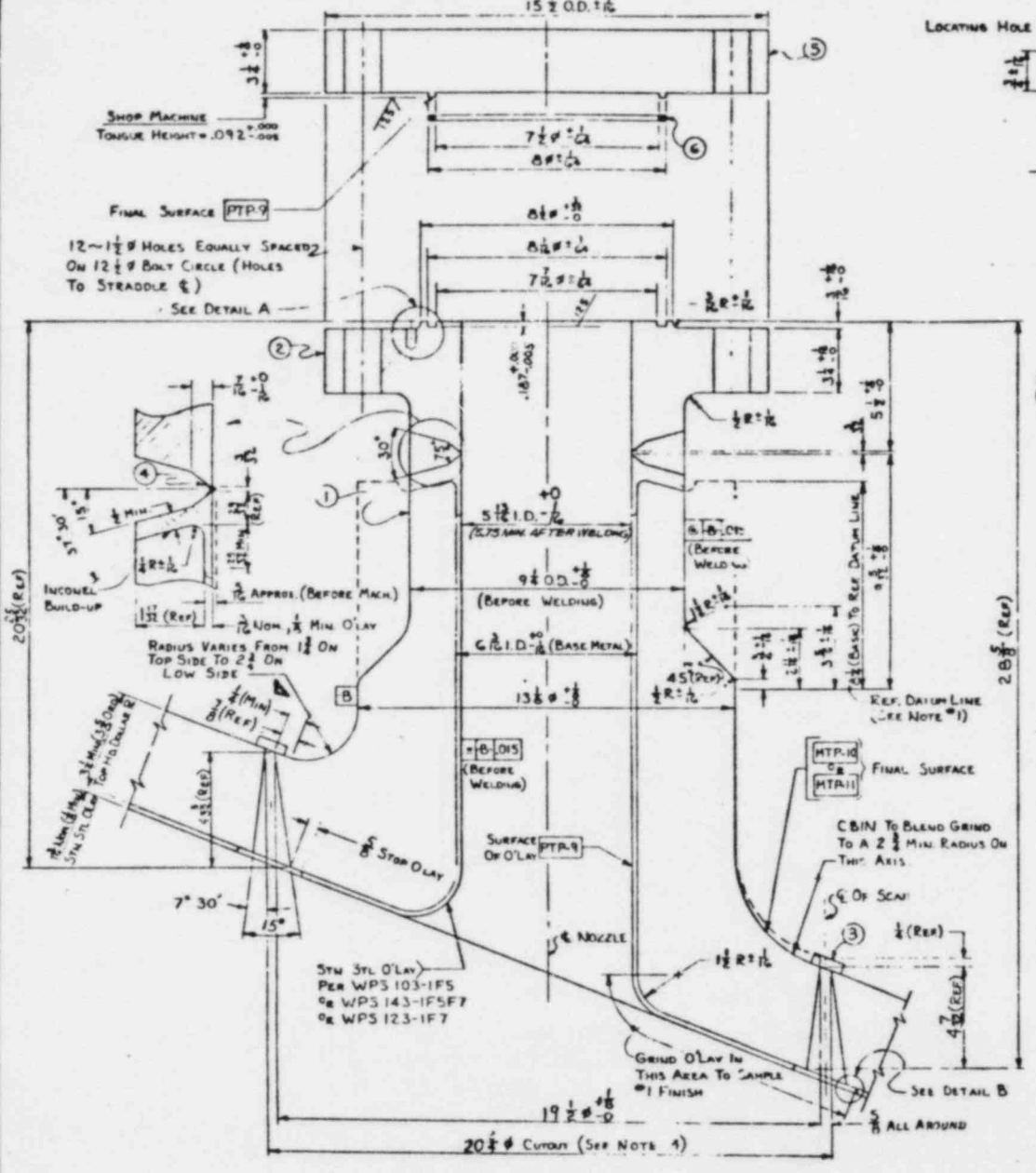
CBI NUCLEAR COMPANY

RWR/PCI MODE NOZZLE N6

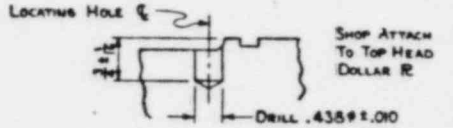
205AE020 | VPF "3073 58

ELB 9-13-72 | JAD 9-13-72 | 72-2046

SH 5 | NO. 5



SECTION THRU NOZZLE

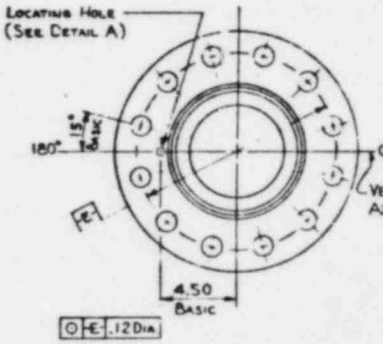


DETAIL A

ATTACH AFTER FINAL PWHT

ITEM NO.	MARK NO.	QUAN. REQ'D	DESCRIPTION	SIZE	LENGTH OR NO.	SPEC.	WT.
	G1-1	1	HEAD SPRAY NOZZLE FORGING (ORDER PER DWG M9)			M9	41
	G1-3	1	B.U. BAR 1" x ⅜ x 5¼ (2 BAR 7" LONG ea.)	5	1⅜		BAR
	G1-2	1	SPECIAL 150# WELD NECK FLANGE FORGING (ORDER PER DWG M9)			M3-2	42
	G1-4	1	VEE-Y-TYPE WELDING GASKET ADD Eq FOR 5 13/16 I.D. TUBING			Inco A2	55
	G1-5	1	6" #1500 BLIND FLANGE W/ SMALL TONGUE FACING & STD. DRILLING			M3-6	42
	G1-6	2*	GASKET 8 1/2 O.D. x 7 1/8 I.D. x 1/8 THK FLEXITALLIC STYLE CG-15P				43
	G1-7	12	1 3/8 ø STUDS 7" x 8 UN-2A	0	10		43
	G1-8	24	1 3/8 ø HVY SEMI-FIN. HEX NUTS 2H-2B				43

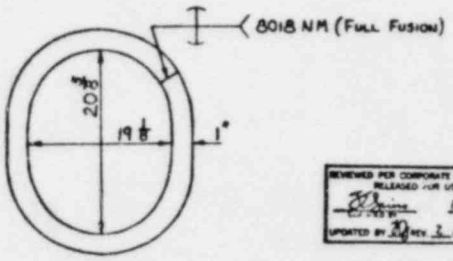
*INCLUDES EXTRAS FOR HYDRO TEST
**MAX. CARBON CONTENT TO BE .035%



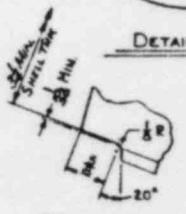
PLAN VIEW OF PC. ②

NOTES:

1. SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE INCONEL BUILD-UP IS APPLIED.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN -20 °F.
4. AFTER TRIMMING NOZZLE FORGING WELD PREP, MAKE A TEMPLATE FOR THE TOP HEAD CUTOUT ⅛ LARGER AROUND, AS SHOWN. THIS CUTOUT IS ELLIPTICAL & IS TO BE CUT PARALLEL TO THE HEAD R ℄.



DETAIL PC ③



DETAIL B

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM.
- ☐ Refer to EDS No. ____
- ☐ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer.

Reviewed by: [signature]
Date 5-1-72
VPF No. 3073-61-3

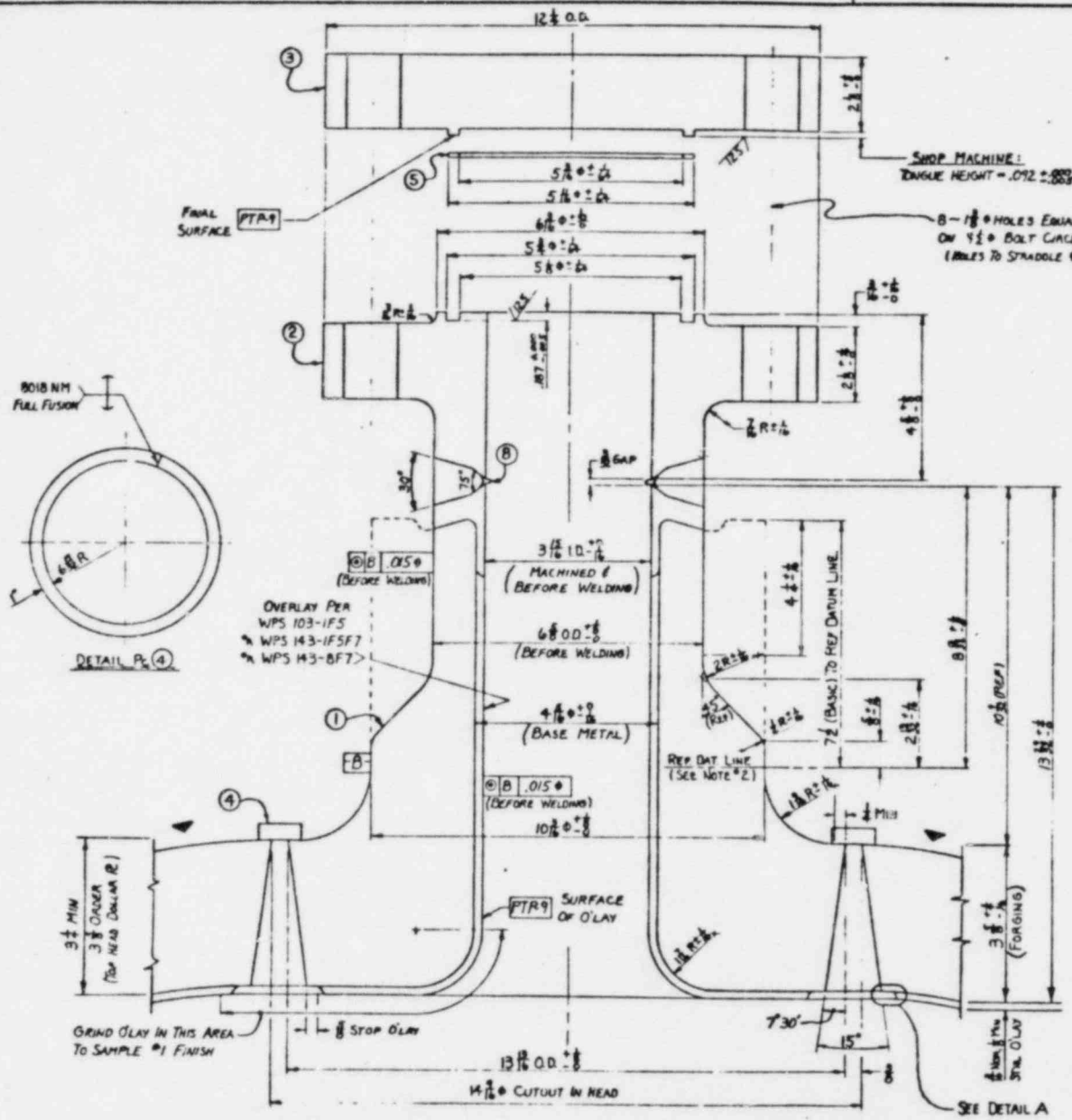
REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE
UPDATED BY JD REV. 2 DATE 1-29-79

32	TOP HEAD ASSY
8	SEAM DETAILS #1 & #4
5	TOLERANCE SYMBOLS
16 & 17	SEE NOTES & TOL

GENERAL ELECTRIC NUCLEAR COMPANY

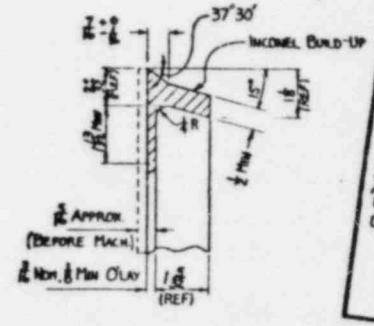
HEAD SPRAY NOZZLE N7

PURCHASE ORDER 235 HE020	VPF 3073-61		
DRAWN R.B.	DATE 1-10-72	CONTRACT NO.	72-2046
ISSUED C.C.S.	DATE 2-07-72		
APPROVED [signature]	DATE 1-29-79	SHEET 61	REV. 2



	MARK	QUAN. PC.	DESCRIPTION	LENGTH FT.	LENGTH IN.	SPEC.	
SHOP ATTACH TO TOP HEAD DRILL R.	62-1	1	VENT NOZZLE FORGING			MS-2	44
			(ORDER PER DWG # M10)			SA-508	
	62-4	1	BUI BAR 1" x ⅜" x 5in. MIN. CIR. DIAMETER	3	11⅜	SA-516 GR. 70	BII
			(¼" BAR 5-8 LONG SA)				
	62-2	1	SPECIAL 1500# WELD NECK FLANGE			MS-6	44
			FORGING (ORD PER DWG # M10)			SA 336 CL 2	
	62-3	1	4 @ 1500# BLIND FLANGE WITH SMALL			MS-6	44
			TONGUE FACING & STD DRILLING			SA 336 CL 2	
ATTACH AFTER FINAL PWHT	62-5	2*	GASKET 5⅛ O.D. x ⅛ THK. x 3⅛ I.D.			SPIRALWOUND	45
			FLEXITALLIC STYLE R4-ISL			ASA FLGD. MTG.	
	62-6	8	1¼ Ø STUDS *, 8UN-2A	0	8	SA 193 GR. B7	45
	62-7	16	1¼ Ø SEMI-FIN HVY HEX NUTS 8UN-2B			SA 194 GR. 2H	45
	62-8	1	½ Y-TYPE WELDING GROOVE			SA-182 GR. F304	56
			INSERT * APPX. EQUAL FOR 3/16 I.D. TUBING				

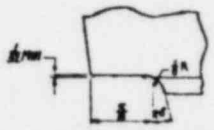
* INCLUDES EXTRA FOR HYDRO TEST.



DETAIL OF NOZZLE WELD PREP (SEE NOTE #3)

GENERAL ELECTRIC
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval
☐ Approved with Comments. Revise and resubmit IN FINAL FORM
☐ Refer to EDS No. _____
☒ Approved. No further action req'd
☐ Approved. Submit certified copy
☐ Certified by Seller and Approved by Buyer
Reviewed by H. C. Clay
Date 4-28-75
VPF No. 3073-62-3

NOTES:
1. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN +40 F
2. SHOP SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE INCONEL O'LAY IS APPLIED.
3. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMESION FROM REF DATUM LINE AS THE CONTROLLING DIMENSION.



DETAIL A (SHELL ONLY)

REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE
UPDATED BY DATE 2 DATE

32	TOP HEAD ASSY.
8	SEAM DETAILS 1 & 4
1 & 4	GEN. NOTES & TOL.

CE NUCLEAR COMPANY

VENT NOZZLE - N8

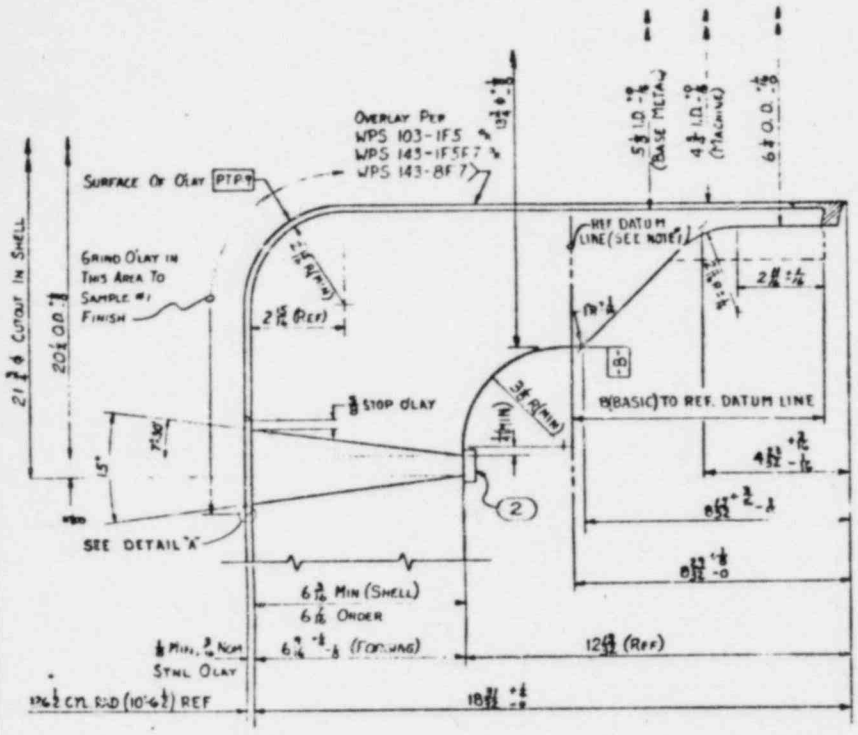
205 AE 020 | VPF # 3073 62

DRAWN JRE 3-27-75 | CHECKED GJR 3-28-75 | APPROVED 4-21-75 | 72-2046 | SHT. 2 OF 3

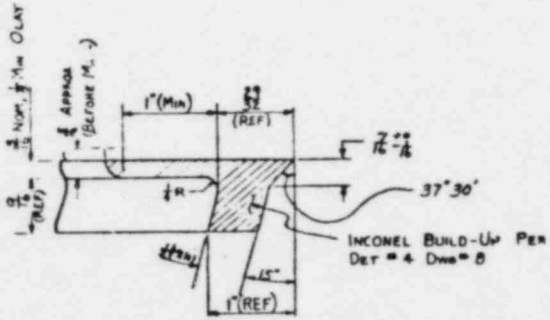
ITEM	MARK	QTY	DESCRIPTION	LENGTH FT	LENGTH IN	SPEC	
	63-1	2	JET PUMP INSTRUMENTATION			MS-2	2
			NOZZLE FORGING ORDER PER				
			DWG = M 11)				
	63-2	2	B J BAR 1 × 3/4 × 2K F.N. 316 STAINLESS	5	9 1/2	SA 336 GR F8 CL 1	84
			(1 BAR 7'-6 1/2")				

NOTES:

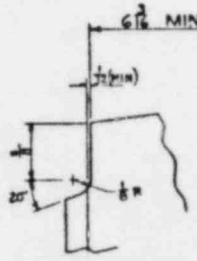
1. SBOF SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE INCONEL OLAY IS APPLIED.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. NDT TEMPERATURE OF NOZZLE TO BE NO HIGHER THAN +40° F.
4. ALL DIA TO BE Ⓜ B .015



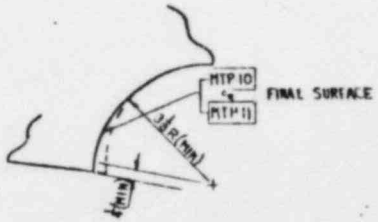
LONGITUDINAL SECTION



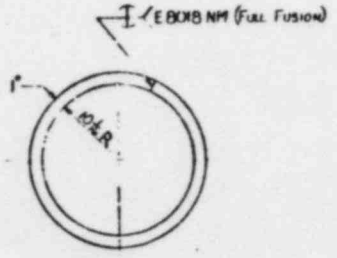
DETAIL OF NOZZLE WELD PREP
(SEE NOTE #2)



DETAIL "A"
(SHELL ONLY)



TRANSVERSE SECTION
(AT OUTSIDE CORNER RADIUS)



2

GENERAL ELECTRIC
Atomic Power Equipment Department
- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM
- ☐ Refer to EDS No. _____
- ☐ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer

Reviewed by _____
Date 2-15-72
VPF No. 3073-635

64	RPV SAFE END
21	RPV SHELL RING
8	SEAM DETAILS - NOZZLE
1 & 4	GEN. NOTES & TOLERANCES

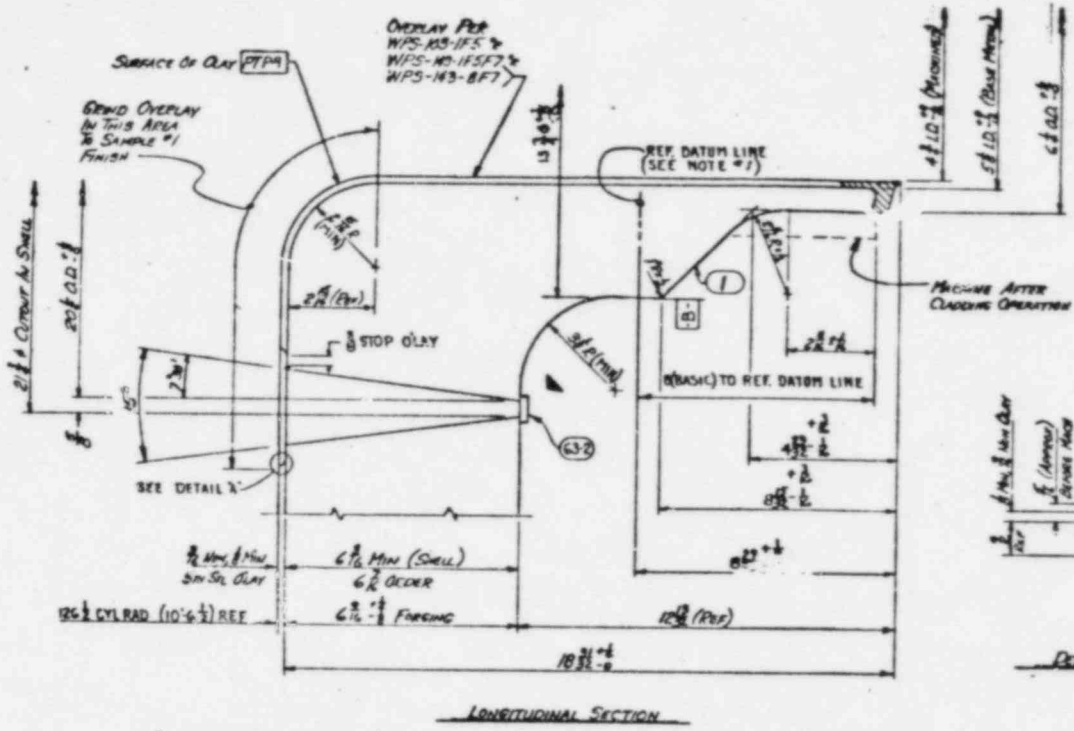
REVISED PER CLIMAX QA PLAN RELEASED FOR USE
UPDATED BY _____ DATE 8-8-72

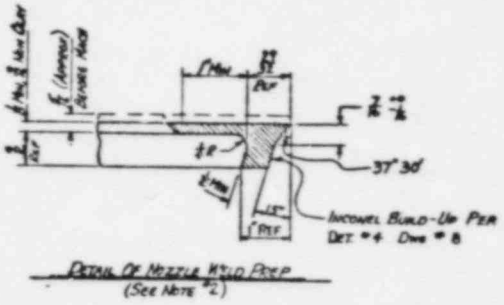
GE NUCLEAR COMPANY

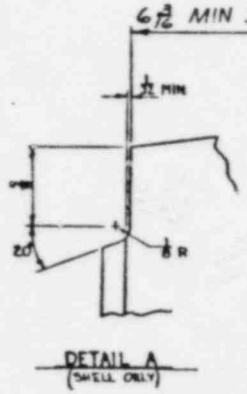
JET PUMP INSTRUMENTATION
NOZZLE N9

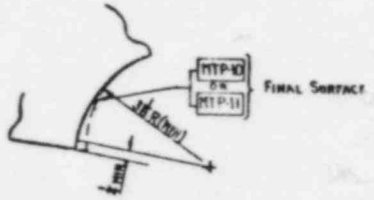
DRAWN ADSAEDCU VPF NO. 3073 635
WES 10-71
CHKD RLB 11-71
APPD _____ 8-3-72 SCALE 6.3 SHT 5

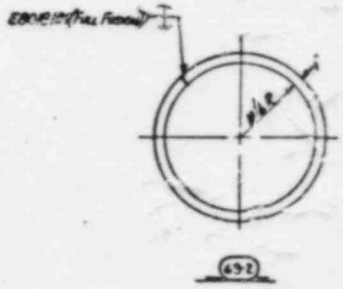
72-2046











Ship Attach To #3 Shell Ring

Item No.	Mark	Qty.	Description			Material	
	65-1	1	C.R.D. Hyd. System Return 3" Type 316 Fittings (Corner Hor Elbow per MTP)				
	63-2	1	B.W. Pipe 1/2 Sch 80 Smls (Per Spec 7-6 Long)	5	9 1/2		

NOTES:

1. Ship Scribe Reference Datum Line On Outside Of Nozzle Before Applying Inconel Build-Up.
2. Apply Inconel Build-Up & Machine Nozzle Weld Prep Using The Dimension From Reference Datum Line As The Controlling Dimension.
3. RDT Temperature Of Nozzle To Be No Higher Than -10° F.
4. All Dia To Be Ⓜ B .015

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM
- ☐ Refer to EDS No. _____
- ☒ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☐ Certified by Seller and Approved by Buyer

Reviewed by J. A. Clemens
Date 4-28-75
VPF No. 3073-65-5

Reviewed per Corporate QA Plan Released for Use
Updated by [illegible]

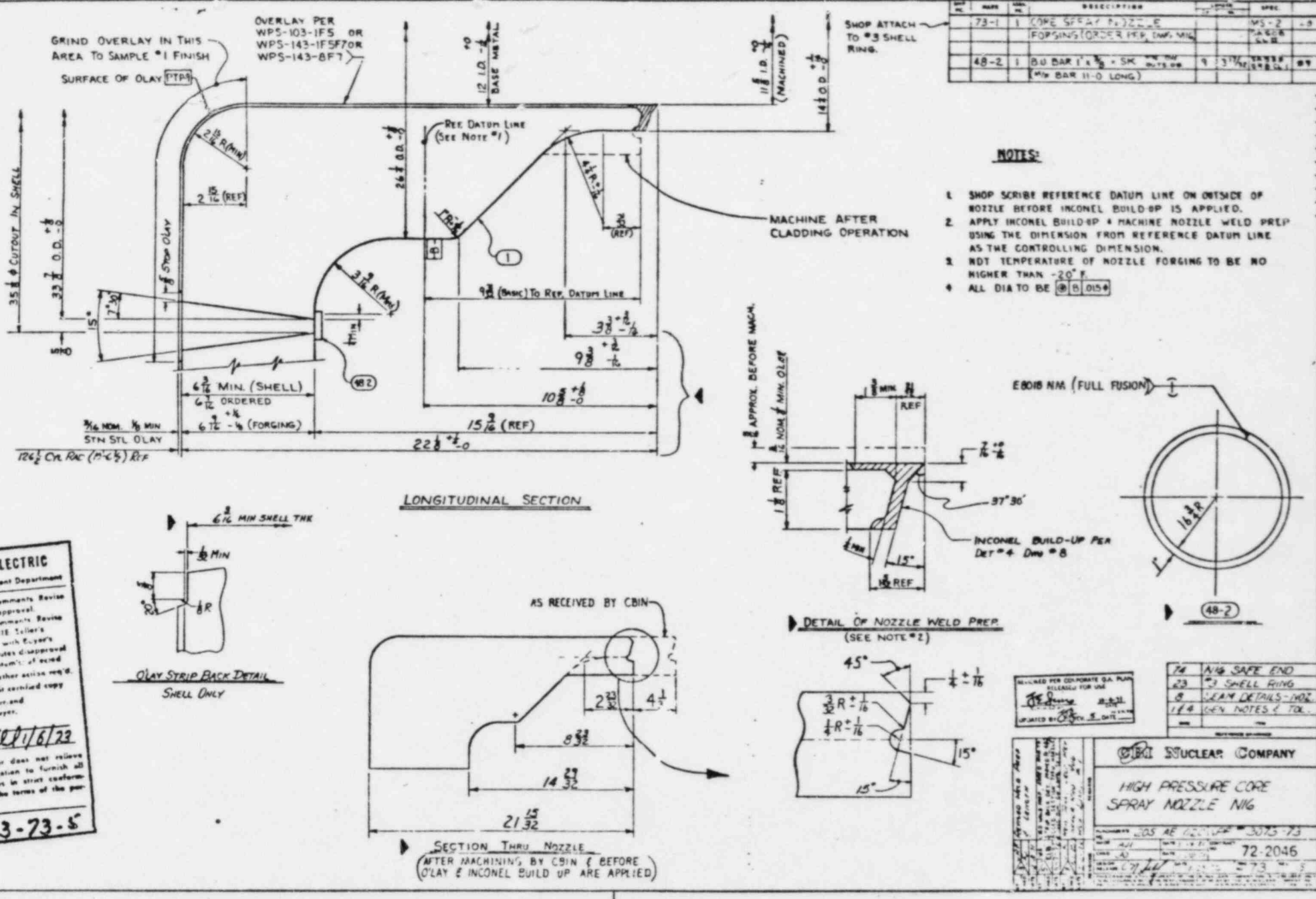
66	N10 Safe End
23	#3 Shell Ring
8	Seam Details - Nozzle
1 & 4	Gen. Notes & Tol.

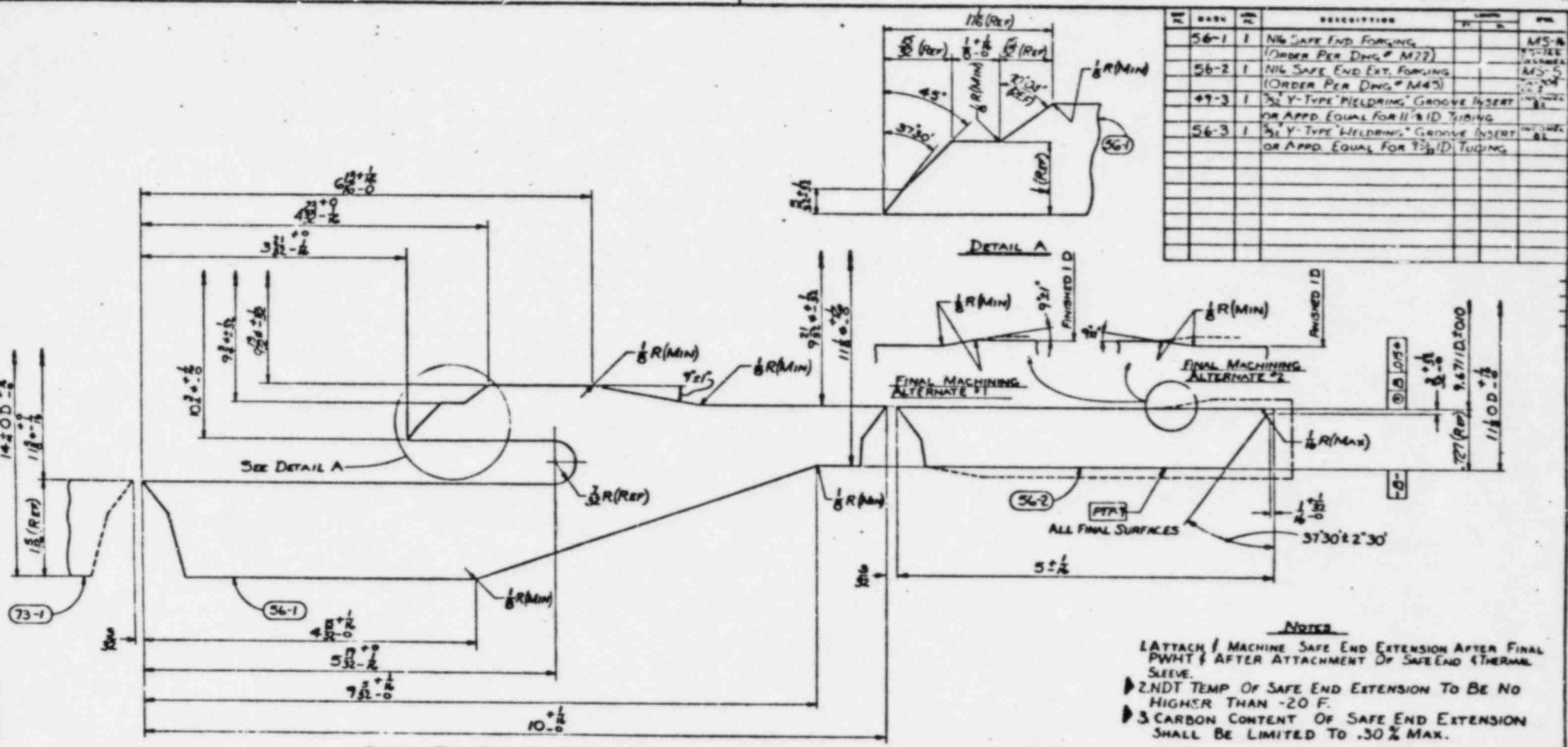
GENERAL NUCLEAR COMPANY

CRD HYD. SYSTEM RETURN NOZZLE N10

205 AE 020 VPF # 3073 65

72-2046

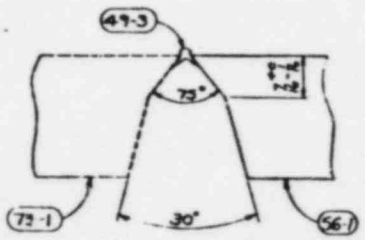

GRIND OVERLAY IN THIS AREA TO SAMPLE #1 FINISH
SURFACE OF OLAY (TP9)
OVERLAY PER WPS-103-1F5 OR WPS-143-1F5F7 OR WPS-143-8F7
SHOP ATTACH TO #3 SHELL RING.
MACHINE AFTER CLADDING OPERATION
REF DATUM LINE (SEE NOTE #1)
NOTES:
1. SHOP SCRIBE REFERENCE DATUM LINE ON OUTSIDE OF NOZZLE BEFORE INCONEL BUILD-UP IS APPLIED.
2. APPLY INCONEL BUILD-UP & MACHINE NOZZLE WELD PREP USING THE DIMENSION FROM REFERENCE DATUM LINE AS THE CONTROLLING DIMENSION.
3. NDT TEMPERATURE OF NOZZLE FORGING TO BE NO HIGHER THAN -20° F.
4. ALL DIA TO BE Ⓜ B 015
LONGITUDINAL SECTION
OLAY STRIP BACK DETAIL
SHELL ONLY
AS RECEIVED BY CBIN
SECTION THRU NOZZLE
(AFTER MACHINING BY CBIN & BEFORE OLAY & INCONEL BUILD UP ARE APPLIED)
DETAIL OF NOZZLE WELD PREP
(SEE NOTE #2)
E8018 N.M. (FULL FUSION)
INCONEL BUILD-UP PER DET #4 DWG #8
37°30'
15°
48-2
73-1
48-2
GENERAL ELECTRIC
Atomic Power Equipment Department
Disapproved per comments. Revise and resubmit for approval.
Approved with Comments. Revise and resubmit. NOTE: Seller's failure to comply with Buyer's comments constitutes disapproved and rejection of item(s) affected
Approved. No further action req'd.
Approved. Submit corrected copy
Certified by Seller and Approved by Buyer.
DBO 11/6/23
Approval by Buyer does not relieve Seller of his obligation to furnish all goods and services in strict conformance with all of the terms of the purchase order.
VPF # 3073-73-5
CBI NUCLEAR COMPANY
HIGH PRESSURE CORE SPRAY NOZZLE N16
72-2046



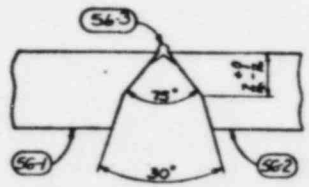
SEE PL	MARK	REQ'D	DESCRIPTION	LENGTH		SPEC.
	56-1	1	N16 SAFE END FORGING (ORDER PER DWG # M27)			MS-6 TYPE 316 ALTERNATE MS-5
	56-2	1	N16 SAFE END EXT. FORGING (ORDER PER DWG # M45)			MS-5
	49-3	1	3/32" Y-TYPE "WELDRING" GROOVE INSERT OR APPD. EQUAL FOR 11" ± ID TUBING			55
	56-3	1	3/32" Y-TYPE "WELDRING" GROOVE INSERT OR APPD. EQUAL FOR 9" ± ID TUBING			68

Notes

1. ATTACH & MACHINE SAFE END EXTENSION AFTER FINAL PWHT & AFTER ATTACHMENT OF SAFE END & THERMAL SLEEVE.
2. N.D.T. TEMP OF SAFE END EXTENSION TO BE NO HIGHER THAN -20 F.
3. CARBON CONTENT OF SAFE END EXTENSION SHALL BE LIMITED TO .30 % MAX.



SAFE END TO NOZZLE SEAM



SAFE END EXTENSION TO SAFE END SEAM

GENERAL ELECTRIC
Atomic Power Equipment Department

- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM
- ☐ Refer to EDS No. ____
- ☐ Approved. No further action req'd.
- ☐ Approved. Submit certified copy
- ☒ Certified by Seller and Approved by Buyer

Reviewed by: [signature]
Date 5-13-74
VPF No 3079-74-4

REVIEWED FOR CONFORMITY G.E. PLAN RELEASED FOR USE
UPDATED BY CTLay 2 DATE

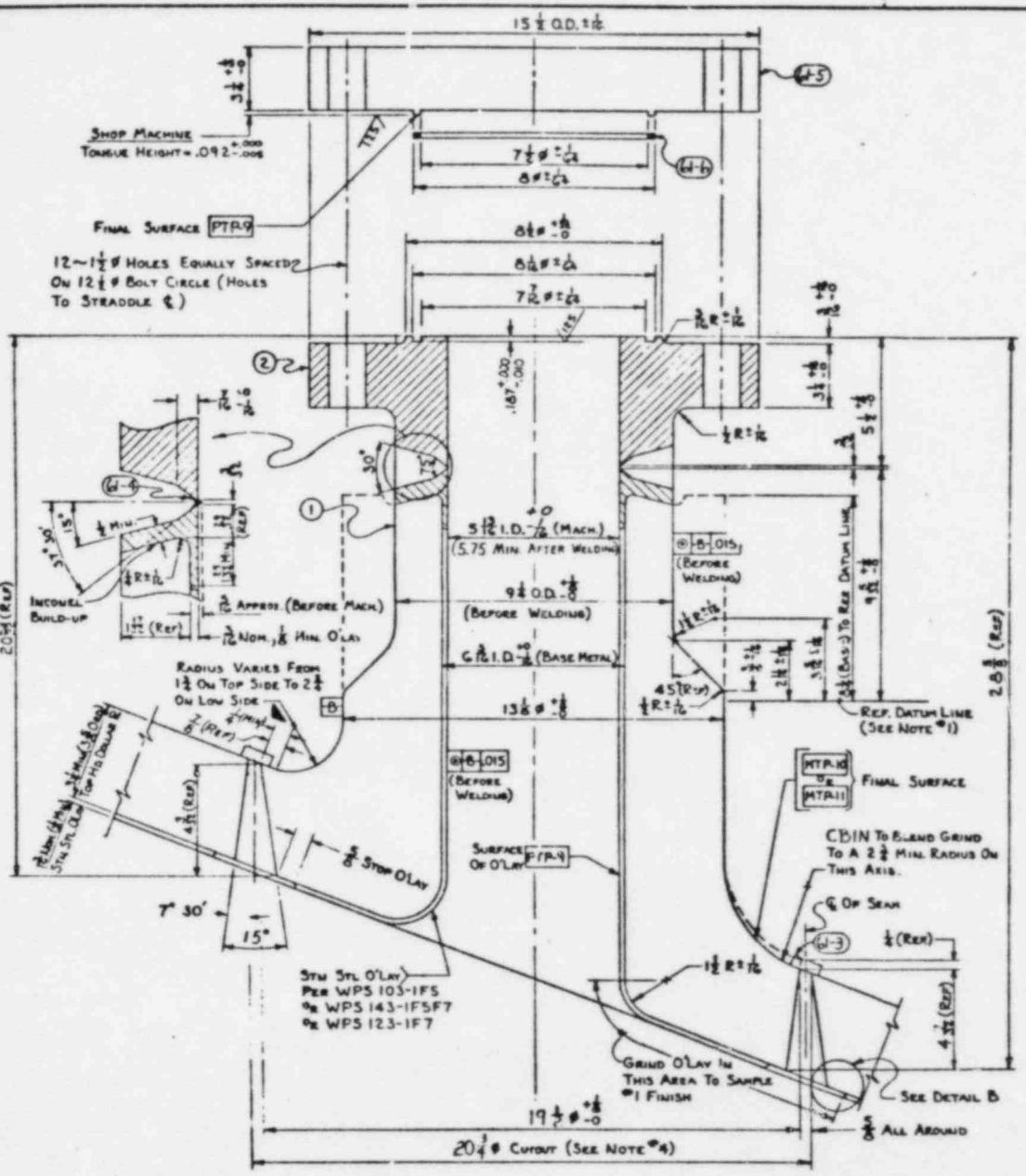
75	N16 THERMAL SLEEVE
73	N16 NOZZLE
8	SEAM DETAILS
5	TOLERANCE SYMBOLS
114	GEN NOTES & TOLERANCE

CBI NUCLEAR COMPANY

N16 CORE SPRAY SAFE END & EXTENSION

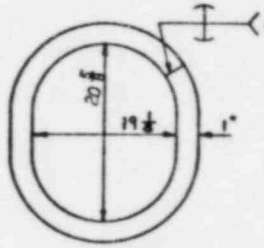
205AE020 | VPF 3073-14 | 72-2046

Chg Bulletins



Section Thru Nozzle

Detail B



Detail Pc 61-3

Shop Attach To Top Head Dollar R								
	76-1	1	Spare Nozzle Forging (Order Per Dwg M17)			MS-2	46
	61-3	1	B.U. Bar 1" × 3/8 × 5in (Min. Bar 7" Long 61)	5	2 3/16	SA-182 F316	R10
	76-2	1	Special 1500# Weld Neck Flange Forging (Order Per Dwg M17)			MS-6	46
	61-4	1	Stub-Y-Type "Welding" Groove Insert Appd Eq For 5 3/16 I.D. Tubing			Inco 82	46
	61-5	1	G#1500# Blind Flange "F" Small Tongue Facing & Std. Drilling			MS-6	47
	61-6	2*	Gasket 8.0.D. × 7¼ I.D. × ⅛ Thk. Flexitallic Style R4-ISP				47
Attach After Final PWHT	61-7	12	1 1/8 ø Studs 7/8 8 UN-2A	0	10		47
	61-8	24	1 1/8 ø Hvy Semi-Fin Hex Hd Nuts 8UN-2B				47

*Includes Extras For Hydro Test
**Max. Carbon Content To Be .035%

General Electric
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval
☐ Approved with Comments. Revise and resubmit IN FINAL FORM
☐ Refer to EDS No. _____
☐ Approved. No further action req'd
☐ Approved. Submit certified copy
☒ Certified by Seller and Approved by Buyer
Reviewed By: [signature]
Date 5-1-73
VPF No 3073-76-3

Notes:
1. Scribe Reference Datum Line On Outside Of Nozzle Before Inconel Build-Up Is Applied.
2. Apply Inconel Build-Up & Machine Nozzle Weld Prep Using The Dimension From Reference Datum Line As The Controlling Dimension.
3. NDT Temperature Of Nozzle To Be No Higher Than +40°F.
4. After Trimming Nozzle Forging Weld Prep, Make A Template For The Top Head Cutout ¼ Larger Around, As Shown. This Cutout Is Elliptical & Is To Be Cut Parallel To The Head R ℄.

Revised Per Corporate C.O. Plan Released For Use
[signature] 1-29-73
Updated By [signature] Rev. 2 Date

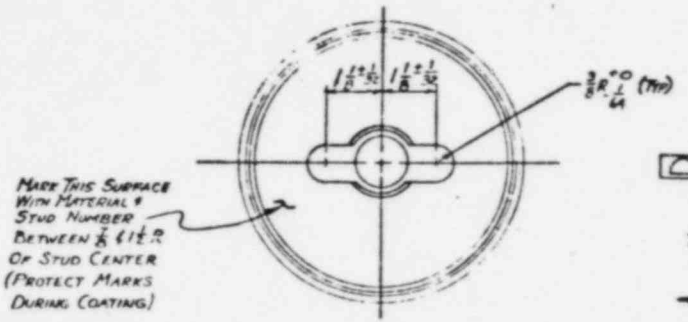
32	Top Head Assy	
8	Seam Details #16 #4	
5	Tolerance Symbols	
4	Gen. Notes & Tols.	
1	Vessel Outline	

CBI Nuclear Company

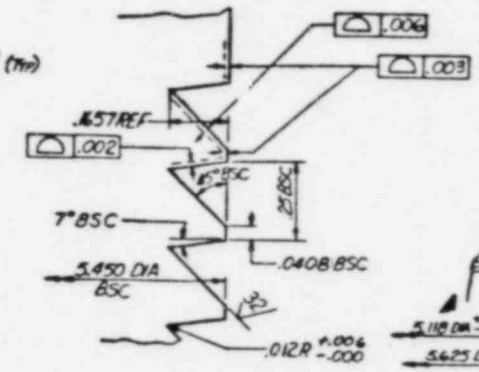
Spare Nozzle N18

205-AE-020 | VPF # 3073-76
JRC 1-31-72
RJB 2-1-72
72-2046
[signature] 1-29-73 16

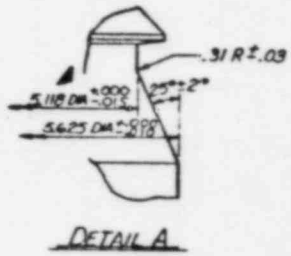
ITEM NO.	NAME	ASSY NO.	DESCRIPTION	QTY	LENGTH	SPEC.	
76	35-1		6 # STUD (W/SPECIAL THREAD)	4	8 1/2	MS-2-3 SEE NOTE 8	45



PLAN VIEW

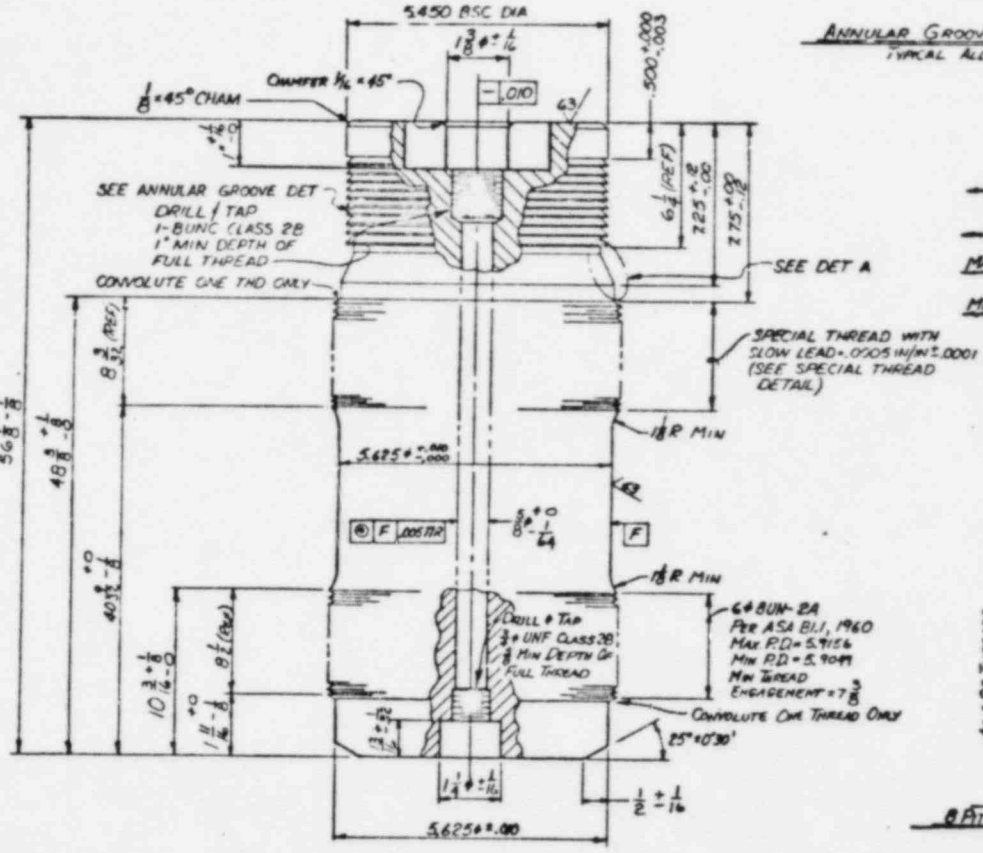


ANNULAR GROOVE DETAIL
TYPICAL ALL GROOVES

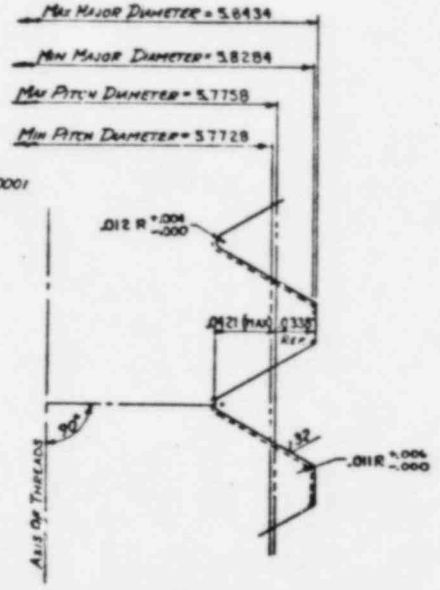


DETAIL A

NOTES:
1. SEE PROCEDURE VPS-1 FOR STUD MARKING & NDT REQUIREMENTS.
2. 100% VISUAL INSPECTION OF THREADS IS REQUIRED.
3. ALL THREADS TO BE BLUNT START (CONVOLUTE) THREADS.
4. SPECIAL EXTERNAL THREADS ARE DESIGNED TO PROVIDE A MIN PITCH DIAMETER CLEARANCE BETWEEN THE STUD & THE NUT OF .0180 BEFORE PHOSPHATE COATING.
5. FEATHER EDGES & BURRS ARE TO BE REMOVED FROM OUTSIDE EDGES BY A METHOD NOT TO EXCEED THE MIN METAL CONDITION OF RADII SHOWN.
6. BREAK ALL CORNERS NOT OTHERWISE NOTED.
7. ALL TOLERANCES APPLY TO BARE METAL BEFORE PHOSPHATE COATING.
8. HANDLE STUDS WITH CARE. NO NICKS OR SCRATCHES ARE ALLOWED ON SHANK SURFACE.



SECTION THRU STUD



SPECIAL THREAD
8 PITCH, 60° STRAIGHT THREAD (EXTERNAL)

GENERAL ELECTRIC
Atomic Power Equipment Department
- ☐ Disapproved per comments. Revise and resubmit for approval
- ☐ Approved with Comments. Revise and resubmit IN FINAL FORM.
- ☐ Refer to EDS No. ____
- ☒ Approved. No further action req'd
- ☐ Approved. Submit certified copy
- ☐ Certified by Seller and Approved by Buyer.

Reviewed by J. C. Clem
Date 7-25-75
VPF No. 3073-35-8

REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE 12-9-74
UPDATED BY [illegible]

37	EXTENSOMETER ROD
36	9.75 HARDNESS & CAP IN REV
4	CLEAN NOTES & TOL

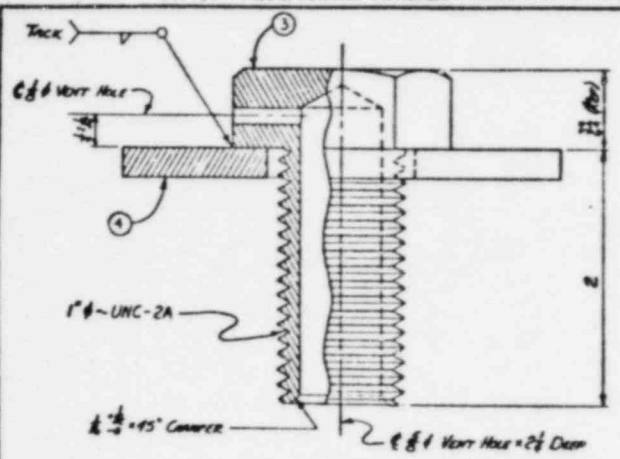
GENERAL ELECTRIC NUCLEAR COMPANY

CLOSURE FLANGE STUD

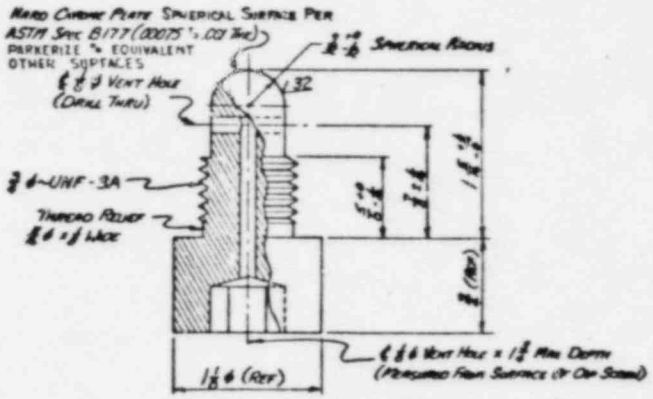
22SAE020 | VPF # 3073-35

72-2046

REV TOL IN DET A



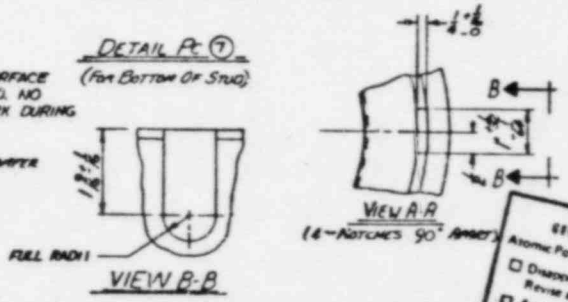
DETAIL ASSY Ⓐ
(FOR TOP OF STUD)

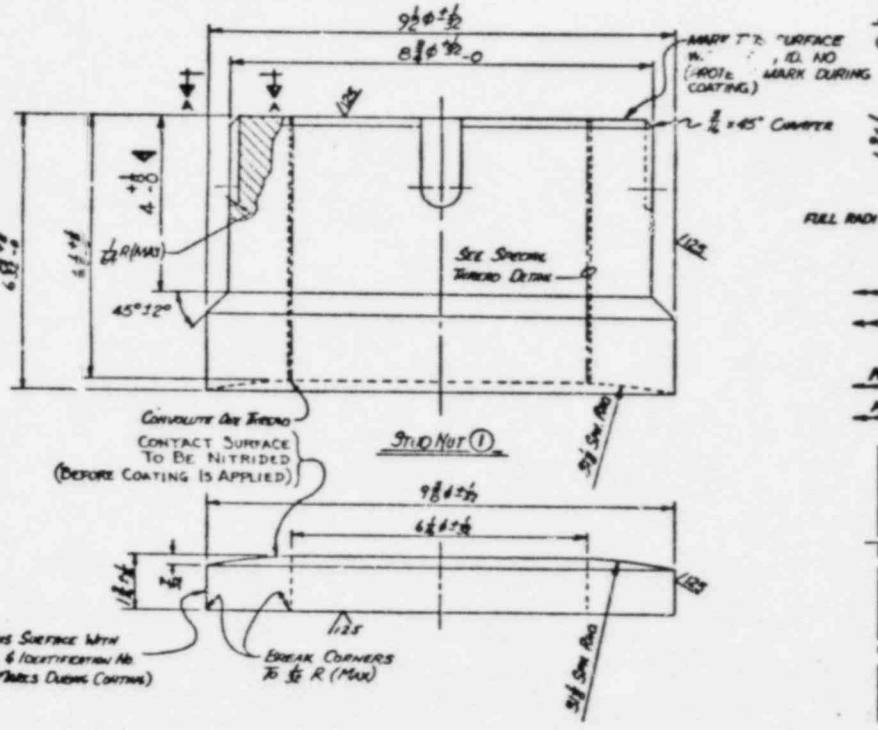


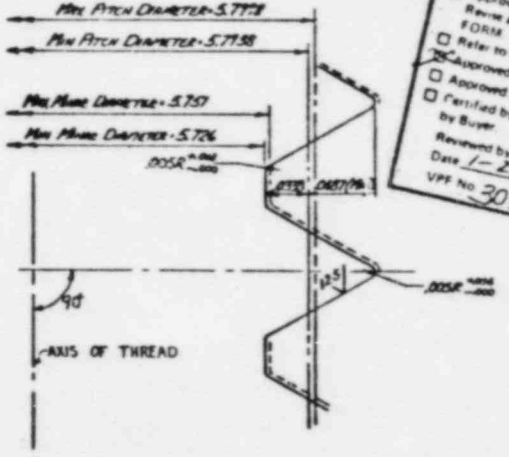
QUAN PER ASSY	NAME	ITEM NO.	DESCRIPTION	MATERIAL		SPEC.	
Ref	Stud		73 ϕ NUT (W/SPECIAL THREAD)				2.5
Ref	36 2		SPHERICAL WASHER (9⅝ OD × 7/8 ID × 1.12 THK)				2.5
Ref	36 A		CAP SCREW ASSY				2.5
	36 3	14	1 UNC-2A HEX HEAD CAP SCREW × 5K	O	2	A307 B	
	36 4	14	AMER STD TYPE A PLAIN WASHER 1⅛ OD × .238 THK × 1 1/16 ID			C.S.	
2	36 B		CAP SCREW ASSY W/PLUG				2.5
	36 5	2	1 UNC-2A HEX HEAD CAP SCREW × 5K	O	2	A307 B	
	36 4	2	AMER STD TYPE A PLAIN WASHER 1⅛ OD × .238 THK × 1 1/16 ID			C.S.	
	36 6	2	⅛-27 NPT SQ HEAD PIPE PLUG			C.S.	
Ref	36 7		¾ UNF 3A HEX SOCKET HEAD CAP SCREW × 5K (¾ 3¼ CAP SCREW × 1½ LONG ¾)			A 307 (5)	2.5

NOTES

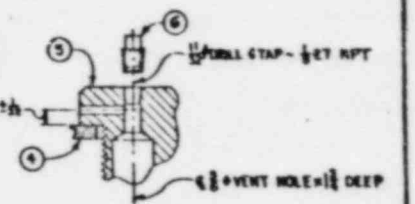
1. ASSY Ⓐ & Ⓑ TO BE PARKERIZED OR EQUIVALENTLY COATED.
2. SEE PROCEDURE VPS-1 FOR MINIMUM & MAXIMUM REQUIREMENTS OF NUT & WASHER.
3. 100% VISUAL INSPECTION OF THREADS IN NUTS IS REQUIRED.
4. ALL NUT THREADS ARE TO BE BLUNT START (CONTOURED) THREADS.
5. SPECIAL INTERNAL THREADS ARE DESIGNED TO PROVIDE A MIN PITCH DIAMETER CLEARANCE BETWEEN THE STUD & THE NUT OF .018 BEFORE PHOSPHATE COATING.
6. FURTHER EDGES & BURRS ARE TO BE REMOVED BY A METHOD NOT TO EXCEED THE MIN METAL CONDITION OF KNOWN SHARP OR NOT.
7. BREAK ALL SHARP EDGES NOT OTHERWISE NOTED.
8. ALL TOLERANCES APPLY TO PARK BEFORE METAL BEFORE PHOSPHATE COATING.
9. PACK NUT WITH MATCHING SPHERICAL WASHER TO PROTECT THE LAPPED SURFACE.







GENERAL ELECTRIC
Atomic Power Equipment Department
☐ Disapproved per comments. Revise and resubmit for approval
☐ Approved with Comments. Revise and resubmit IN FINAL FORM
☐ Refer to EDS No. _____
☒ Approved. No further action req'd
☐ Approved. Submit certified copy
☐ Certified by Seller and Approved by Buyer.
Reviewed by T.J. Kaler
Date 1-21-71
VPF No. 3073-36-6a



DETAIL ASSY Ⓑ
SAME AS Ⓐ EXCEPT AS NOTED

REVIEWED PER CORPORATE Q.A. PLAN RELEASED FOR USE
6-28-71

35	STUDS
4	GENERAL NOTES & TOL

GENERAL ELECTRIC NUCLEAR COMPANY

NUTS, WASHERS & CAP SCREWS

205 AE 020 | VPF # 3073-36
ELB 4-19-71
GJR 4-23-71
72-2046
6-28-71 36 6

1.0 GENERAL NOTES

1.1 THERE SHALL BE NO WELDS INCLUDED IN PIPE BENDS BECAUSE THE MACHINING DIAMETER "C" MAY REMOVE THE BENDING ALLOWANCE. IF AVAILABLE PIPE LENGTHS ARE NOT SUFFICIENT FOR A COMPLETE BEND, THE ACTUAL PIPE DIAMETER AND WALL DIMENSIONS SHALL BE SUBMITTED TO THE CONSULTING ENGINEERS WITH A REQUEST FOR A SPECIAL WELDING END DETAIL.

1.2 PLATE PIPING SHALL BE RESIZED AT THE ENDS (FOR AT LEAST 4" FROM THE END) PRIOR TO MACHINING FOR WELDING TO MAXIMUM OUT-OF-ROUND, SUCH THAT THE MAXIMUM OR MINIMUM O.D. SHALL NOT DIFFER FROM THE AVERAGE BY MORE THAN ± 1/16".

1.3 WHEN MACHINING THE ENDS FOR WELDING, THE PIPE SHOULD BE CENTERED ON THE AXIS OF THE FOLLOWING DIAMETER TO INSURE AGAINST UNDERCUTTING THE MINIMUM WALL:

FORGED & BORED.....I.D.	SCHEDULE PIPE.....O.D.
EXTRUDED.....I.D.	HOLLOW FORGED.....O.D.
	PLATE.....O.D.

1.4 FOR LARGE DIAMETER PIPING, WHERE THE JOINT IS READILY ACCESSIBLE FOR WELDING, DOUBLE WELDED JOINTS MAY BE USED IF APPROVAL IS GIVEN BY THE CONSULTING ENGINEERS. AFTER WELDING THE FIRST SIDE THE WELD SHALL BE BACK CHIPPED OR GROUND TO SOUND METAL FROM THE SECOND SIDE, INSPECTED BY MAGNETIC PARTICLE OR LIQUID PENETRANT METHOD AND THEN WELDED TO COMPLETION.

1.5 IF THE I.D. OF A PIPE OR FITTING IS TOO LARGE TO PERMIT MACHINING TO THE (C) DIMENSION, CONTRACTOR SHALL DEPOSIT SUFFICIENT WELD METAL ON THE INSIDE TO PROVIDE FOR PROPER MACHINING. SUCH WELD METAL SHALL HAVE THE SAME COMPOSITION AS THE PIPE OR FITTING. SEE FIGURE I AND FIGURE II THIS PAGE.

1.6 WELD REINFORCEMENT (FIGURE III THIS PAGE) SHALL BE PER APPLICABLE CODE.

1.7 TRANSITION BETWEEN PIPE AND CASTINGS SHALL BE IN ACCORDANCE WITH FIGURE IV THIS PAGE.

2.0 PIPE WELDS WITH BACKING RINGS

2.1 SCHEDULE PIPE (OR STANDARD WALL, EXTRA STRONG OR DOUBLE EXTRA STRONG PIPE) PER ASTM A53, A106 AND A335: USE MF-270.8.4, MF-270.8.5 OR MF-270.8.6.

2.2 ALL OTHER PIPE (FORGED & BORED, HOLLOW FORGED, EXTRUDED, WELDED PLATE, ETC): USE MF-270.8.4, MF-270.8.5 OR MF-270.8.6 WITH DIMENSIONS A, B, C, D, AND T AS INDICATED ON DESIGN DRAWINGS.

3.0 INERT GAS ARC WELDING

3.1 TUNGSTEN INERT GAS ARC WELDING SHALL BE MADE USING CONSUMABLE INSERTS OF MATERIAL COMPATIBLE WITH PIPING MATERIAL AND AN INTERNAL INERT GAS PURGE. THE ROOT PASS SHALL BE MADE BY TIG PROCESS AND ALL SUBSEQUENT PASSES SHALL BE MADE WITH THE SHIELDED METAL ARC PROCESS. AN INTERNAL INERT GAS PURGE SHALL BE MAINTAINED DURING THE ROOT AND SECOND PASS.

3.2 SCHEDULE PIPE (OR STANDARD WALL, EXTRA STRONG, OR DOUBLE EXTRA STRONG PIPE) PER ASTM A106, AND A335: USE DETAIL PER MF-270.8.2 WITH DIMENSIONS A, B, C AND T AS SHOWN ON MF-270.8.5 AND MF-270.8.6.

3.3 SCHEDULE PIPE (OR STANDARD WALL, EXTRA STRONG, OR DOUBLE EXTRA STRONG PIPE) PER ASTM A312 SEAMLESS AND A376: USE DETAILS AND DIMENSIONS PER MF-270.8.3.

3.4 ALL OTHER PIPE (FORGED AND BORED, HOLLOW FORGED, EXTRUDED, WELDED PLATE, ETC.): USE DETAIL PER MF-270.8.2 WITH DIMENSIONS A, B, C, AND T AS INDICATED ON DESIGN DRAWINGS.

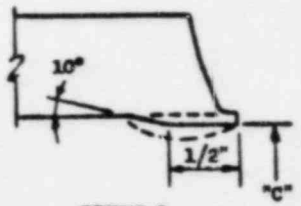


FIGURE I
FOR INERT GAS ARC WELDS

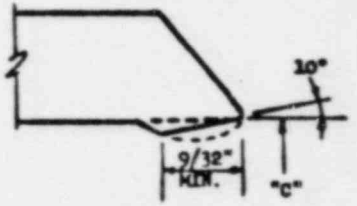


FIGURE II
FOR TAPERED BACKING RING WELDS

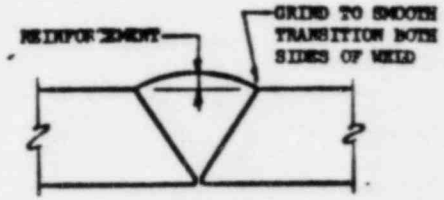


FIGURE III

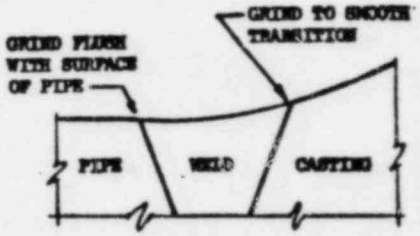
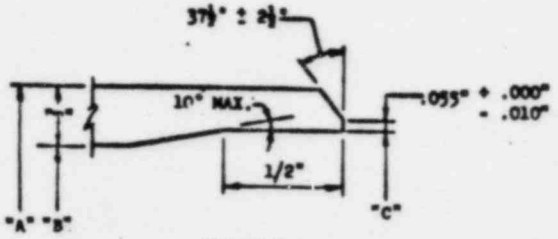


FIGURE IV

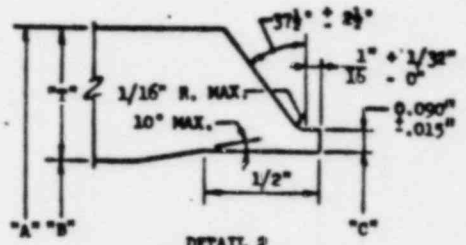
WELDING END DETAILS
GENERAL NOTES

REVISED		APPROVED	ISSUED	SARGENT & LUNDY	STANDARD
12-5-74			1-25-71		MF-270.8.1

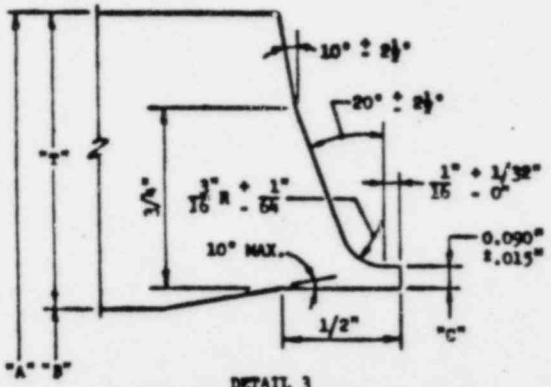


DETAIL 1
SIZES WHERE "T" IS LESS THAN 1/4"

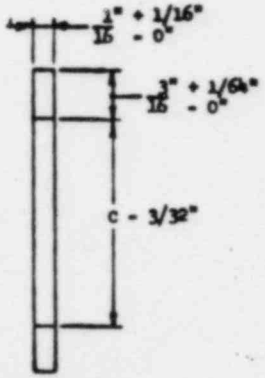
CONSUMABLE INSERT RING
FOR USE WITH DETAIL 1



DETAIL 2
SIZES WHERE "T" IS 1/4" TO 3/4"



DETAIL 3
SIZES WHERE "T" IS GREATER THAN 3/4"



CONSUMABLE INSERT RING
FOR USE WITH DETAILS 2 & 3

LEGEND
A - NOMINAL O.D. OF PIPE
B - NOMINAL I.D. OF PIPE
C - I.D. OF PIPE AT LAND, TOLERANCE +0.010" -0.000"
T - NOMINAL WALL THICKNESS

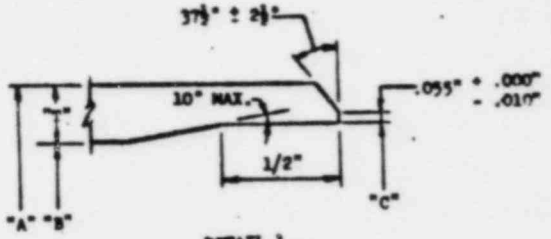
WELDING END DETAILS
INERT GAS ARC WELDING
CARBON, LOW ALLOY & SPECIAL WALL STEEL PIPE

ISSUED	APPROVED	REVISED	APPROVED	SARGENT & LUNDY CHICAGO	STANDARD
1-25-71		7-27-76			MP-270.8.2

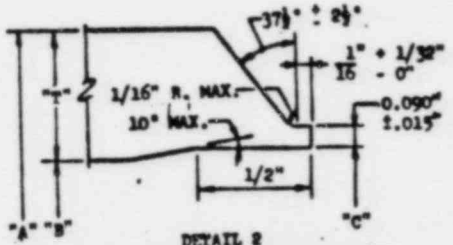
KE-1.1.6b

NOMINAL PIPE SIZE	SCHEDULE NO.	A	B	C	T
2 1/2"	10S	2.875	2.635	2.624	.120
3"	10S	3.500	3.260	3.249	.120
3 1/2"	10S	4.000	3.760	3.749	.120
4"	10S	4.500	4.260	4.249	.120
5"	10S	5.563	5.295	5.288	.134
6"	10S	6.625	6.357	6.350	.134
8"	10S	8.625	8.329	8.325	.148
10"	10S	10.750	10.420	10.420	.165
12"	10S	12.750	12.390	12.394	.180
2 1/2"	40S	2.875	2.469	2.479	.203
3"	40S	3.500	3.068	3.081	.216
3 1/2"	40S	4.000	3.548	3.574	.226
4"	40S	4.500	4.026	4.044	.237
5"	40S	5.563	5.047	5.071	.258
6"	40S	6.625	6.065	6.094	.280
8"	40S	8.625	7.981	8.021	.322
10"	40S	10.750	10.020	10.070	.365
12"	40S	12.750	12.000	12.053	.375
2 1/2"	80S	2.875	2.323	2.351	.276
3"	80S	3.500	2.900	2.934	.300
3 1/2"	80S	4.000	3.364	3.403	.318
4"	80S	4.500	3.826	3.869	.337
5"	80S	5.563	4.813	4.872	.375
6"	80S	6.625	5.761	5.828	.432
8"	80S	8.625	7.625	7.709	.500
10"	80S	10.750	9.750	9.834	.500
12"	80S	12.750	11.750	11.834	.500

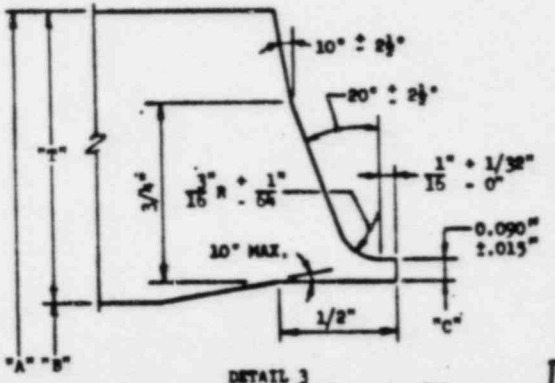
NOTE:
SIZES 10S, 40S & 80S APPLY TO PIPE UP TO & INCLUDING 12" PIPE (ANSI B36.19).
FOR SIZES LARGER THAN 12" CARBON STEEL SCHEDULES WILL APPLY WITH DIMENSIONS AS SHOWN ON MF-270.8.5 & MF-270.8.6.



DETAIL 1
SIZES WHERE "T" IS LESS THAN 1/4"

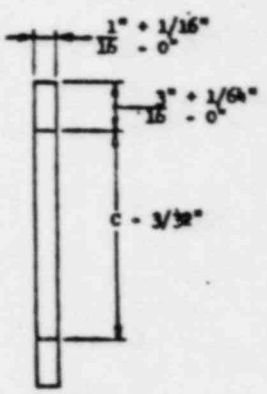


DETAIL 2
SIZES WHERE "T" IS 1/4" TO 3/4"



DETAIL 3
SIZES WHERE "T" IS GREATER THAN 3/4"

CONSUMABLE INSERT RING
FOR USE WITH DETAIL 1



CONSUMABLE INSERT RING
FOR USE WITH DETAILS 2 & 3

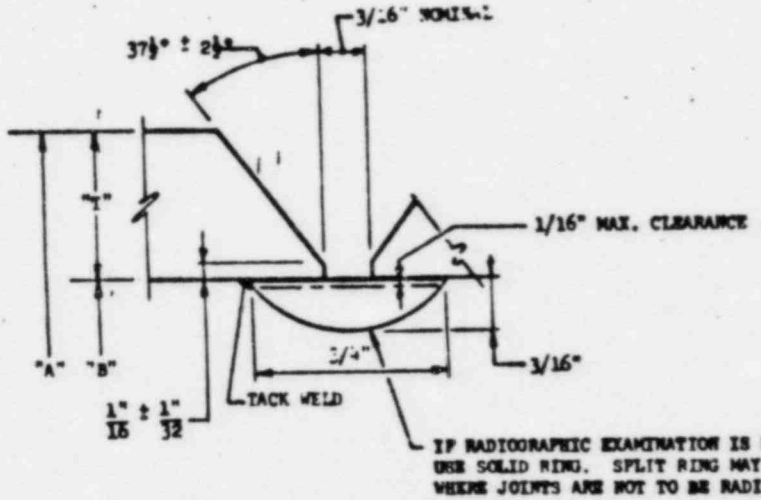
LEGEND
A - NOMINAL O.D. OF PIPE
B - NOMINAL I.D. OF PIPE
C - I.D. OF PIPE AT LAND, TOLERANCE +0.010" -0.000"
C=A-0.031-1.757-0.010
T - NOMINAL WALL THICKNESS

WELDING END DETAILS & TABLE
INERT GAS ARC WELDING
STAINLESS STEEL PIPE

ISSUED	APPROVED	REVISED	APPROVED		STANDARD
1-25-71		7-17-76		SARGENT & LUNDY CHICAGO	MF-270.8.3

KB-1.1.69

NOMINAL PIPE SIZE	SCHEDULE NO.	A	B	T
12"	(STD)	12.750	12.000	.375
18" O.D.	(STD)	18.000	17.250	.375
20" O.D.	20 (STD)	20.000	19.250	.375
22" O.D.	20 (STD)	22.000	21.250	.375
24" O.D.	20 (STD)	24.000	23.250	.375
8"	30	8.625	8.071	.277
10"	30	10.750	10.136	.307
12"	30	12.750	12.090	.330
14" O.D.	30 (STD)	14.000	13.250	.375
16" O.D.	30 (STD)	16.000	15.250	.375
18" O.D.	30	18.000	17.124	.438
20" O.D.	30 (XS)	20.000	19.000	.500
22" O.D.	30 (XS)	22.000	21.000	.500
2 1/2"	40 (STD)	2.875	2.469	.203
3"	40 (STD)	3.500	3.068	.216
3 1/2"	40 (STD)	4.000	3.548	.226
4"	40 (STD)	4.500	4.026	.237
5"	40 (STD)	5.563	5.047	.258
6"	40 (STD)	6.625	6.065	.280
8"	40 (STD)	8.625	7.981	.322
10"	40 (STD)	10.750	10.020	.365
12"	40	12.750	11.938	.406
14" O.D.	40	14.000	13.124	.438
16" O.D.	40 (XS)	16.000	15.000	.500
8"	60	8.625	7.813	.406
10"	60 (XS)	10.750	9.750	.500
2 1/2"	80 (XS)	2.875	2.323	.276
3"	80 (XS)	3.500	2.900	.300
3 1/2"	80 (XS)	4.000	3.364	.318
4"	80 (XS)	4.500	3.826	.337
5"	80 (XS)	5.563	4.813	.375
6"	80 (XS)	6.625	5.761	.432
8"	80 (XS)	8.625	7.625	.500
12"	(XS)	12.750	11.750	.500
14" O.D.	(XS)	14.000	13.000	.500
18" O.D.	(XS)	18.000	17.000	.500
24" O.D.	(XS)	24.000	23.000	.500
4"	120	4.500	3.624	.438
5"	120	5.563	4.563	.500
2 1/2"	160	2.875	2.125	.375
3"	160	3.500	2.624	.438



LEGEND

A - NOMINAL O.D. OF PIPE
B - NOMINAL I.D. OF PIPE
T - NOMINAL WALL THICKNESS

NOTE:
END PREPARATIONS ARE IN ACCORDANCE WITH ANSI-B16.25 1972
*Correction made 9-8-76

WELDING END DETAILS
CARBON & LOW ALLOY STEEL PIPE
FLAT BACKING RINGS
SIZES 2 1/2" & LARGER - "T" - .500" OR LESS &
PRIMARY SERVICE RATING 300 LB. OR LESS

ISSUED	APPROVED	REVISED	APPROVED
1-29-71		7-29-76*	

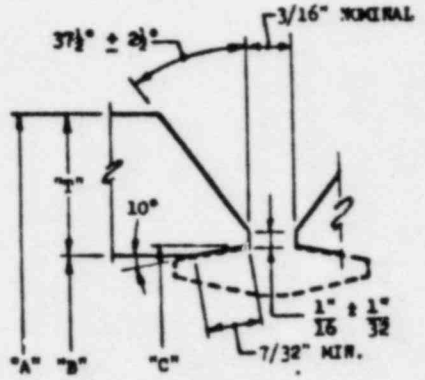
SARGENT & LUNDY CHICAGO

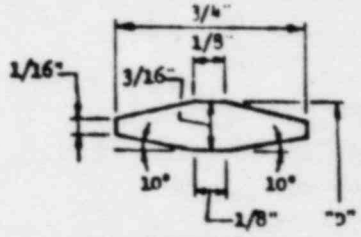
STANDARD
MP-270.8.A

MP-1.1.6

NOMINAL PIPE SIZE	SCHEDULE NO.	A	B	C	D	T
12"	(STD)	12.750	12.000	12.053	12.074	.375
18" O.D.	(STD)	18.000	17.250	17.303	17.324	.375
20" O.D.	20 (STD)	20.000	19.250	19.303	19.324	.375
22" O.D.	20 (STD)	22.000	21.250	21.303	21.324	.375
24" O.D.	20 (STD)	24.000	23.250	23.303	23.324	.375
8"	30	8.625	8.071	8.099	8.120	.277
10"	30	10.750	10.136	10.172	10.193	.307
12"	30	12.750	12.090	12.132	12.153	.330
14" O.D.	30 (STD)	14.000	13.250	13.303	13.324	.375
16" O.D.	30 (STD)	16.000	15.250	15.303	15.324	.375
18" O.D.	30	18.000	17.124	17.193	17.214	.438
20" O.D.	30 (XS)	20.000	19.000	19.084	19.105	.500
22" O.D.	30 (XS)	22.000	21.000	21.084	21.025	.500
24" O.D.	30	24.000	22.876	22.975	22.996	.562
2 1/2"	40 (STD)	2.875	2.469	2.479	2.500	.203
3"	40 (STD)	3.500	3.068	3.081	3.102	.216
3 1/2"	40 (STD)	4.000	3.584	3.564	3.585	.226
4"	40 (STD)	4.500	4.026	4.044	4.065	.237
5"	40 (STD)	5.563	5.047	5.071	5.092	.258
6"	40 (STD)	6.625	6.065	6.094	6.115	.280
8"	40 (STD)	8.625	7.981	8.021	8.042	.322
10"	40 (STD)	10.750	10.020	10.070	10.091	.365
12"	40	12.750	11.938	11.999	12.020	.406
14" O.D.	40	14.000	13.124	13.193	13.214	.438
16" O.D.	40 (XS)	16.000	15.000	15.084	15.105	.500
18" O.D.	40	18.000	16.876	16.976	16.997	.562
20" O.D.	40	20.000	18.814	18.921	18.942	.593
24" O.D.	40	24.000	22.626	22.757	22.778	.687
8"	60	8.625	7.813	7.874	7.895	.406
10"	60 (XS)	10.750	9.750	9.834	9.855	.500
12"	60	12.750	11.626	11.726	11.747	.563
14" O.D.	60	14.000	12.814	12.921	12.942	.593
16" O.D.	60	16.000	14.688	14.811	14.832	.656
18" O.D.	60	18.000	16.500	16.647	16.668	.750
2 1/2"	80 (XS)	2.875	2.323	2.351	2.372	.276
3"	80 (XS)	3.500	2.900	2.934	2.955	.300
3 1/2"	80 (XS)	4.000	3.364	3.403	3.424	.318
4"	80 (XS)	4.500	3.826	3.869	3.890	.337
5"	80 (XS)	5.563	4.813	4.866	4.887	.375
6"	80 (XS)	6.625	5.761	5.826	5.849	.432
8"	80 (XS)	8.625	7.625	7.709	7.730	.500
10"	80	10.750	9.564	9.671	9.692	.593
12"	80	12.750	11.376	11.507	11.528	.687
14" O.D.	80	14.000	12.500	12.647	12.668	.750
12"	(XS)	12.750	11.750	11.834	11.855	.500
14" O.D.	(XS)	14.000	13.000	13.084	13.105	.500
16" O.D.	(XS)	16.000	15.000	15.084	15.105	.500
24" O.D.	(XS)	24.000	23.000	23.084	23.105	.500

NOMINAL PIPE SIZE	SCHEDULE NO.	A	B	C	D	T
8"	100	8.625	7.439	7.546	7.567	.593
10"	100	10.750	9.314	9.453	9.474	.718
4"	120	4.500	3.624	3.693	3.714	.438
5"	120	5.563	4.563	4.647	4.668	.500
6"	120	6.625	5.501	5.601	5.622	.562
8"	120	8.625	7.189	7.328	7.349	.718
2 1/2"	160	2.875	2.125	2.178	2.199	.375
3"	160	3.500	2.624	2.693	2.714	.438
4"	160	4.500	3.438	3.530	3.551	.531
5"	160	5.563	4.313	4.428	4.449	.625
6"	160	6.625	5.189	5.328	5.349	.718
2 1/2"	(XXS)	2.875	1.771	1.868	1.889	.552
3"	(XXS)	3.500	2.300	2.409	2.430	.600
4"	(XXS)	4.500	3.152	3.279	3.300	.674
5"	(XXS)	5.563	4.063	4.209	4.230	.750





TAPERED RING
SOLID RING MACHINED
ALL OVER

LEGEND

A - NOMINAL O.D. OF PIPE
B - NOMINAL I.D. OF PIPE
C - I.D. OF PIPE AT LAND.
TOLERANCE +0.010"-0.000"
C=A-0.031-1.75T-0.010
D - O.D. OF RING.
TOLERANCE +0.000"-0.005"
D=C+2(0.0313x0.1753)+0.010 OR
D=C+0.021"
T - NOMINAL WALL THICKNESS

*Correction made 9-8-76

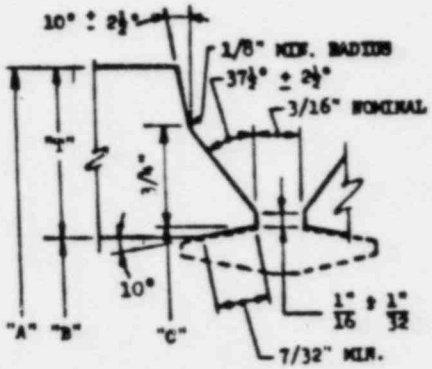
NOTE:
END PREPARATIONS ARE IN ACCORDANCE WITH ANSI-B16.25 1972

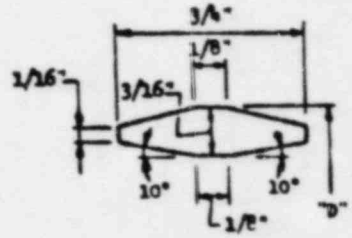
WELDING END DETAILS
CARBON & LOW ALLOY STEEL PIPE
TAPERED BACKING RINGS
SIZES 2 1/2" & LARGER - "T" - .750" OR LESS

ISSUED	APPROVED	REVISED	APPROVED		STANDARD
1-25-71		7-29-76*		SARGENT & LUNDY CHICAGO	M-270.8.5

KE-1.1.6b

NOMINAL PIPE SIZE	SCHEDULE NO.	A	B	C	D	T
20" O.D.	60	20.000	18.376	18.536	18.559	.812
22" O.D.	60	22.000	20.350	20.436	20.449	.875
24" O.D.	60	24.000	22.064	22.265	22.286	.968
16" O.D.	80	16.000	14.314	14.484	14.505	.843
18" O.D.	80	18.000	16.126	16.319	16.340	.937
20" O.D.	80	20.000	17.938	18.155	18.176	1.031
22" O.D.	80	22.000	19.750	19.990	20.011	1.125
24" O.D.	80	24.000	21.564	21.828	21.849	1.218
12"	100	12.750	11.064	11.234	11.255	.843
14" O.D.	100	14.000	12.126	12.319	12.340	.937
16" O.D.	100	16.000	13.938	14.155	14.176	1.031
18" O.D.	100	18.000	15.688	15.936	15.957	1.156
20" O.D.	100	20.000	17.438	17.717	17.738	1.281
22" O.D.	100	22.000	19.250	19.553	19.574	1.375
24" O.D.	100	24.000	20.938	21.250	21.301	1.531
10"	120	10.750	9.064	9.234	9.255	.843
12"	120 (XXS)	12.750	10.750	10.959	10.980	1.000
14" O.D.	120	14.000	11.814	12.046	12.067	1.093
16" O.D.	120	16.000	13.564	13.826	13.849	1.218
18" O.D.	120	18.000	15.250	15.553	15.574	1.375
20" O.D.	120	20.000	17.000	17.334	17.355	1.500
22" O.D.	120	22.000	18.750	19.115	19.136	1.625
24" O.D.	120	24.000	20.376	20.788	20.809	1.812
8"	140	8.625	7.001	7.163	7.184	.812
10"	140 (XXS)	10.750	8.750	8.959	8.980	1.000
12"	140	12.750	10.500	10.740	10.761	1.125
14" O.D.	140	14.000	11.500	11.772	11.793	1.250
16" O.D.	140	16.000	13.124	13.443	13.464	1.438
18" O.D.	140	18.000	14.876	15.226	15.247	1.562
20" O.D.	140	20.000	16.500	16.897	16.918	1.750
22" O.D.	140	22.000	18.250	18.678	18.699	1.875
24" O.D.	140	24.000	19.876	20.351	20.372	2.062
8"	160	8.625	6.813	6.999	7.020	.906
10"	160	10.750	8.500	8.740	8.761	1.125
12"	160	12.750	10.126	10.413	10.434	1.312
14" O.D.	160	14.000	11.188	11.492	11.520	1.406
16" O.D.	160	16.000	12.814	13.171	13.192	1.593
18" O.D.	160	18.000	14.438	14.842	14.863	1.781
20" O.D.	160	20.000	16.064	16.515	16.536	1.968
22" O.D.	160	22.000	17.750	18.240	18.261	2.125
24" O.D.	160	24.000	19.314	19.859	19.880	2.343
6"	(XXH)	6.625	4.897	5.072	5.093	.864
8"	(XXH)	8.625	6.975	7.053	7.074	.875





TAPERED RING
SOLID RING MACHINED
ALL OVER

LEGEND

A - NOMINAL O.D. OF PIPE
B - NOMINAL I.D. OF PIPE
C - I.D. OF PIPE AT LAND.
TOLERANCE +0.010"-0.000"
C=A-0.031-1.75T-0.010
D - O.D. OF RING.
TOLERANCE +0.000"-0.005"
D=C+2(0.0313±0.1763)+0.010 OR
D=C+0.021"
T - NOMINAL WALL THICKNESS

*Correction made 9-8-76

NOTE:
END PREPARATIONS ARE IN ACCORDANCE WITH ANSI-B16.25 1972

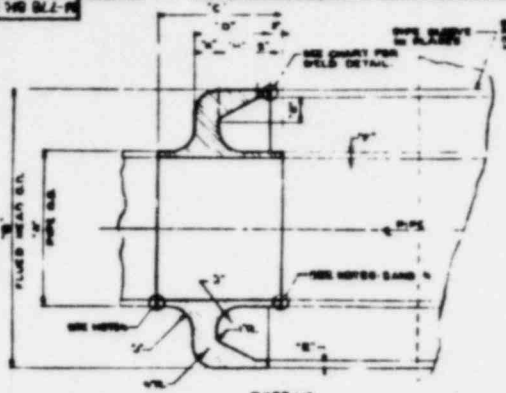
WELDING END DETAILS
CARBON & LOW ALLOY STEEL PIPE
TAPERED BACKING RINGS
SIZES 6" & LARGER - "T" - LARGER THAN .750"

ISSUED	APPROVED	REVISED	APPROVED
1-25-71		7-19-76*	

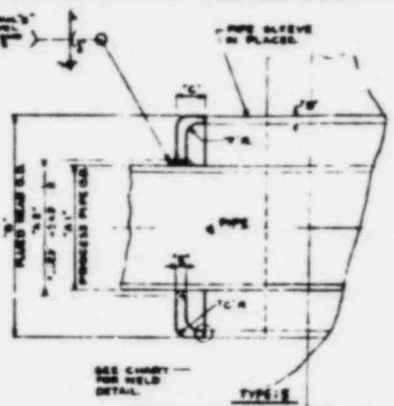
BARGENT & LUNDY CHICAGO

STANDARD
MP-270.8.6

MS-1.1.8b



TYPE A



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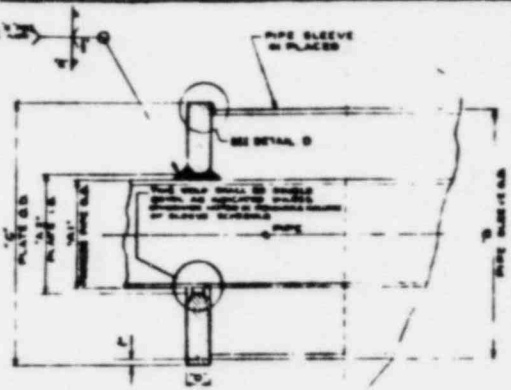
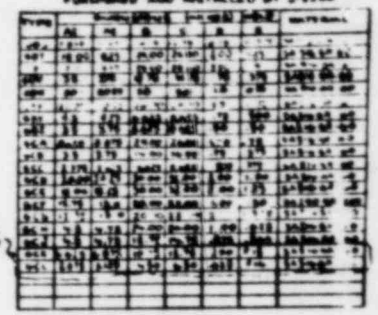
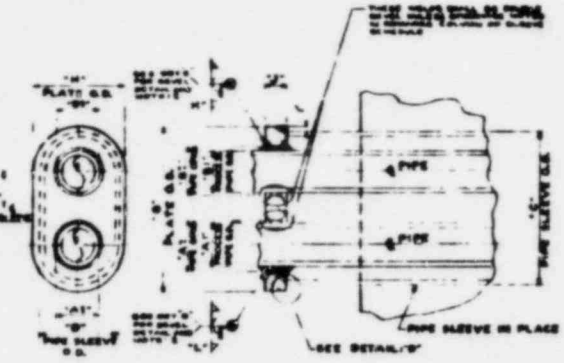


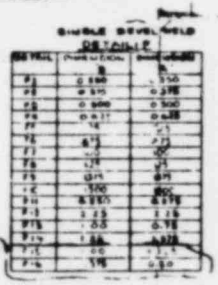
TYPE B

CONT TYPE A





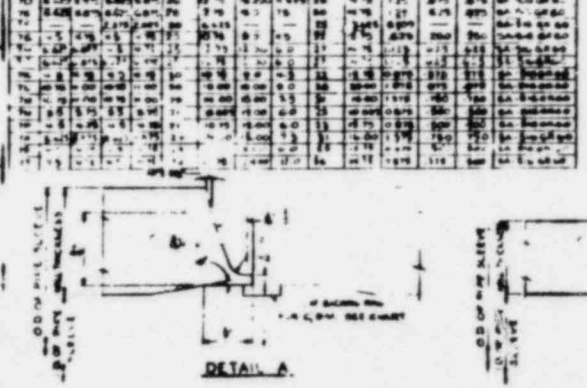
TYPE J



SINGLE BEVEL WELD DETAIL F

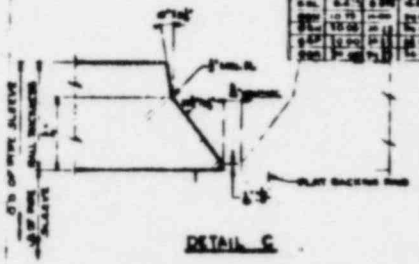
GENERAL NOTES:

1. [illegible]
2. TO BE WELDED TO PIPE [illegible]
3. ℄ DENOTES C.L. OF PIPE AT LAND [illegible]
4. THIS WELDING END DETAIL PER G.E.S. DESIGN TABLE FOR PROCESS PIPE AS MODIFIED FOR SINGLE BEVEL SHOWN.
5. CONCENTRIC REDUCER PER GAS STANDARD SP-[illegible]

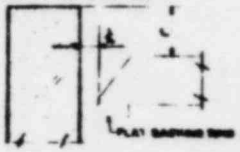


DETAIL A

DETAIL B



DETAIL C



DETAIL D

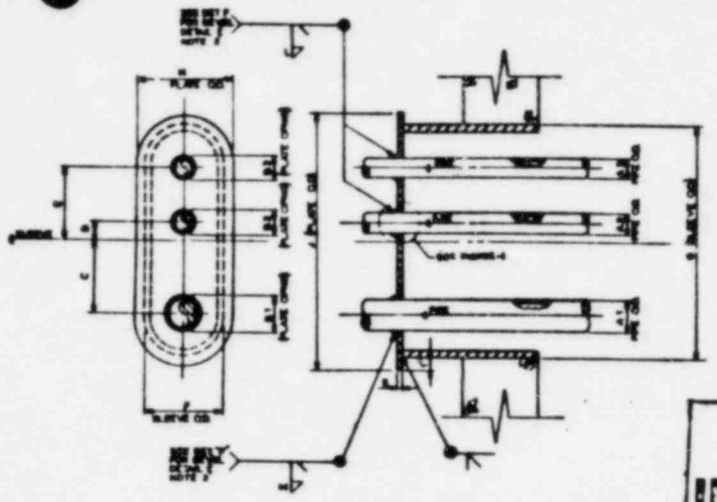
PIPE SLEEVE PENETRATION HEAD ASSEMBLIES

LA SALLE CO. NUCLEAR STATION

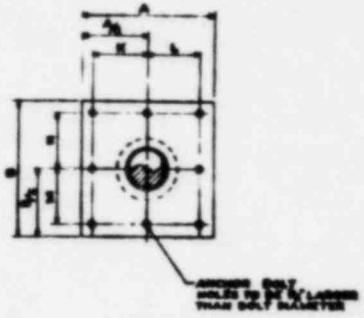
UNIT 1 & 2

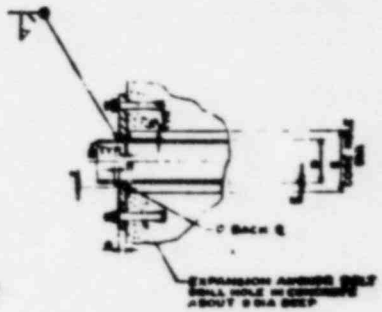
COMMONWEALTH EDISON CO.

SHEET 1 OF

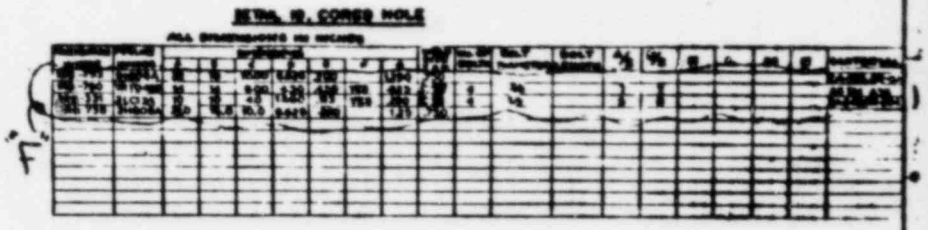


DETAIL B

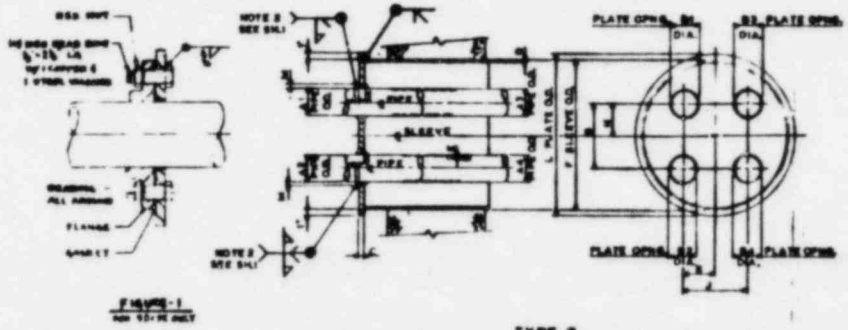




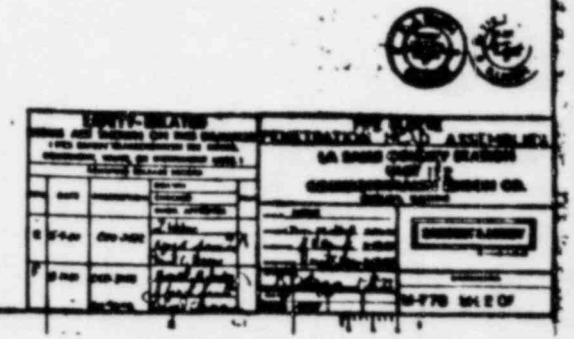
FOR INFORMATION ONLY



TYPE	A1	A2	A3	A4	B1	B2	B3	B4	C	D	E	F	G	H	J	K	L	MATERIAL	WELD	
8A	.8625	.8625	.8625	.8625	.8675	.8675	.8675	.8675	3.0	0.5	0.322	14.0	14.0	7.0	14.0	7.0	35.0	SA-516 GR-60	1.0	1.0
8B	2.875	2.875	2.875	2.875	2.925	2.925	2.925	2.925	3.165	1.25	0.375	19.75	9.0	2.0	9.0	2.0	18.75	SA-516 GR-60	0.75	0.38
8C	3.875	3.875	3.875	3.875	3.925	3.925	3.925	3.925	3.990	1.25	0.375	19.75	9.00	2.00	9.00	2.00	18.75	SA-516 GR-60	0.75	0.38



TYPE B
FURNISHED AND INSTALLED BY J-2530



EIS IDENT: B PIPING WELD PREP

GENERAL ELECTRIC 131C8661

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING—				
APPLIED PRACTICES	SURFACES	TOLERANCES OF MACHINED DIMENSIONS: DECIMALS	FRACTIONS	ANGLES
	✓	±	±	±

TITLE: PIPING WELD PREP

FIRST MADE FOR STANDARD PLANT IBN506801

FCP: 283X217G1-G6 (A62-3020)

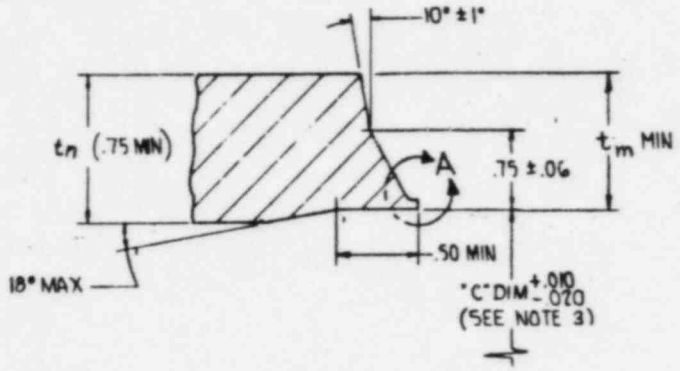
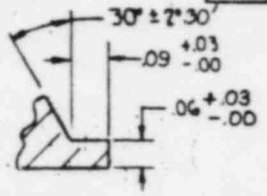


FIGURE 1



VIEW A

NOTES:

GROUP A, B & C -(ASME SECT. III CLASS 1 2 3)

1. FOR PIPE AND ELBOW WELD ENDS USE FIGURE 1, 2 OR 3.
2. FOR FITTING WELD ENDS OTHER THAN ELBOWS, WHERE THE FITTING IS TO MATE A PIPE OR ELBOW AND THE WALL OF THE FITTING EXCEEDS 1.15 t_n USE FIGURE 4.
3. FOR "C" OR "B" DIMENSION AND/OR t_m SEE GE-BWRSD PIPING DRAWING, PURCHASE SPECIFICATION OR REFERENCE 1.
4. FOR THE CASE WHERE A FITTING IS TO MATE ANOTHER FITTING, SUCH AS A CROSS TO TEE, AND THE OD'S DO NOT RESULT IN A DIFFERENCE GREATER THAN 20 PERCENT IN WALL THICKNESS, USE FIGS. 1, 2 OR 3. FOR THE CASE WHERE THE OD'S OF THE FITTINGS RESULT IN A DIFFERENCE GREATER THAN 20 PERCENT IN WALL THICKNESS, THE FITTING WITH THE SMALLER OD SHALL USE FIGS. 1, 2 OR 3 (NO WELD END TRANSITION) AND THE FITTING WITH THE LARGER OD SHALL USE FIG. 4. HOWEVER t_n AS SHOWN IN FIG. 4 SHALL BE THE NOMINAL THICKNESS OF THE FITTING WITH THE SMALLER OD.
5. FOR ALL SHOP WELD END PREPS, FABRICATORS STANDARD MAY BE USED IN LIEU OF VIEW "A" DETAILS AND "C" DIAMETER REQUIREMENTS.
6. DIMENSIONS SHOWN WHICH DO NOT HAVE TOLERANCES INCLUDED ARE NOMINAL DIMENSIONS.

GROUP D -(ANSI B31.1)

7. WELD PREP DETAILS SHALL BE IN ACCORDANCE WITH FIGURES 1, 2 AND 3 AS SHOWN IN ANSI B16.25 - 1972, "B" DIMENSION TOLERENCE SHALL BE ±0.03. TAPERBORES ARE NOT PERMITTED.
8. FOR MAIN STEAM (GROUP D) AND FEEDWATER (GROUP D) PIPING USE WELD PREP DETAILS FOR GROUP A, B AND C.

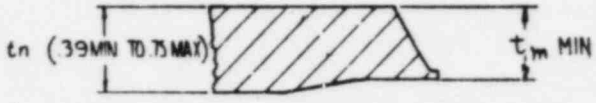


FIGURE 2
OTHERWISE SAME AS FIG. 1

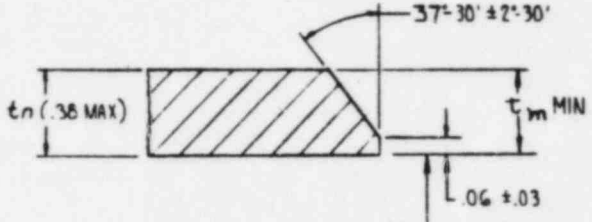


FIGURE 3
OTHERWISE SAME AS FIG. 1

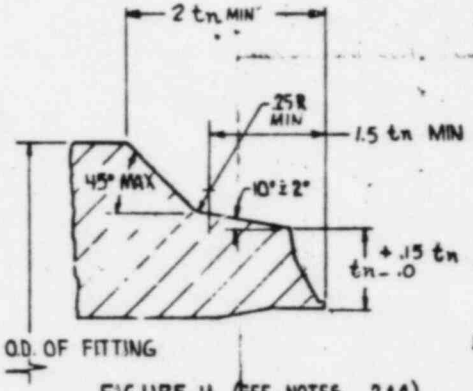


FIGURE 4 (SEE NOTES 2 & 4)
OTHERWISE SAME AS FIG. 1

LEGEND:

t_n = NOMINAL WALL THICKNESS

t_m = REQUIRED DESIGN WALL THICKNESS

REFERENCE DWGS — MFL NO.

1. DIMENSIONS OF SAFE ENDS & WELD PREP DETAILS _____ A62-3040

131C8661

DEV NO —

REVISIONS			PRINTS TO	
1			818	235
			115	225
CHKD BY J.S.M.			PR	
ENGINEER			097	
05 REV A			663	
DFZ			268	

DRAWN DEC 6, 1972 R. SHIVELY

CHECKED 5-1-74 R. SHIVELY

APPROVED DEC 14, 1973

BWRS SAN JOSE

131C8661

R

EIS

E15 IDENT: BUTT WELD END PREP

GENERAL ELECTRIC 131C8662

BUTT-WELD END PREP FOR PUMPS, VALVES & COMPONENTS
FOR STANDARD PLANT 18N506B01

FCF: 283X217 G1-G6 (A62-3010)

MAINTAIN COMPONENT t_m BACK OF THIS LINE

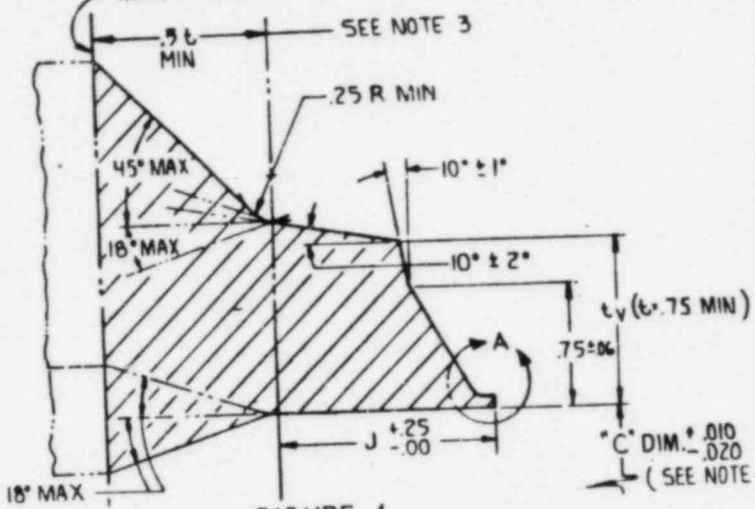
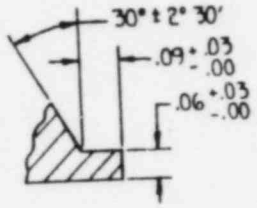


FIGURE 1



VIEW A

GROUP A B & C (ASME SECT. III, CLASS 1, 2 & 3)

1. FOR NOMINAL WALL THICKNESS OF MATING PIPE WALL GREATER THAN .38 USE FIG. 1 OR 2.
2. FOR NOMINAL WALL THICKNESS OF MATING PIPE WALL .38 AND LESS USE FIG. 3.
3. INCREASE TO COMPONENT t_m THICKNESS AS RAPIDLY AS POSSIBLE WITHIN DESIGNATED ANGLES. (FOR VALVES SEE MD-1940.8)
4. FOR "C" OR "B" DIMENSION, t_m AND t SEE GE-BWRSD PURCHASE DOCUMENTS OR REFERENCE 1.
5. FOR NOZZLES OR OTHER OUTLETS MADE FROM PIPE USE REFERENCE 2.
6. FOR CONTOURED VESSEL NOZZLES USE FIG. 4.

GROUP D

7. WELD PREP DETAILS SHALL BE IN ACCORDANCE WITH FIGURES 12.8.15 AS SHOWN IN ANSI B16.25-1972.8 DIMENSION TOLERANCE SHALL BE ±0.03. TAPERBORES ARE NOT PERMITTED.
8. FOR MAIN STEAM (GROUP D) AND FEEDWATER (GROUP D) COMPONENTS USE WELD PREP DETAILS FOR GROUPS A, B & C.

REFERENCE DRAWINGS — APPL. NO.

1. DIMENSIONS OF SAFE ENDS AND WELD PREP DETAILS — A62-3040
2. PIPING WELD PREP — A62-3020

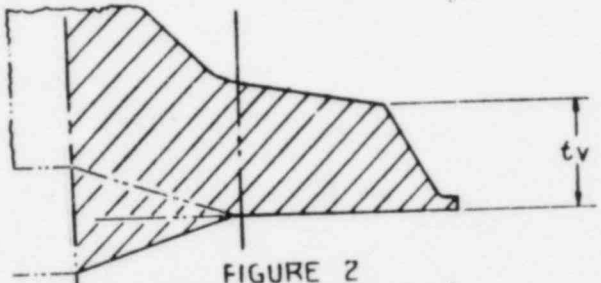


FIGURE 2
OTHERWISE SAME AS FIG 1

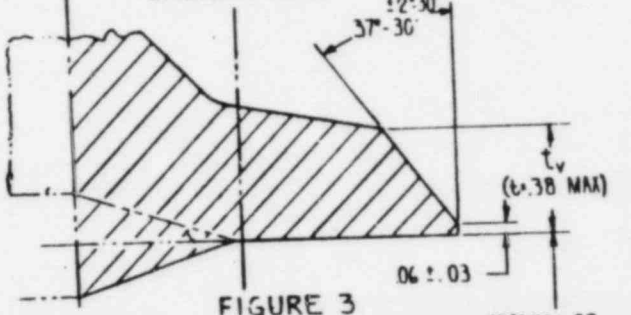


FIGURE 3
OTHERWISE SAME AS FIG 1

LEGEND

t = NOMINAL WALL THICKNESS OF MATING PIPE.

$t_v = 1.18t \; {}^{+0.1t}_{-0.0}$

$J = 1.0t$

t_m = REQUIRED DESIGN MIN WALL THICKNESS OF PUMP, VALVE OR COMPONENT

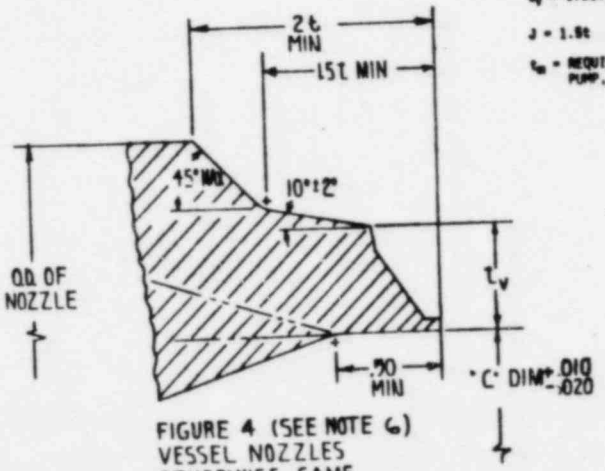
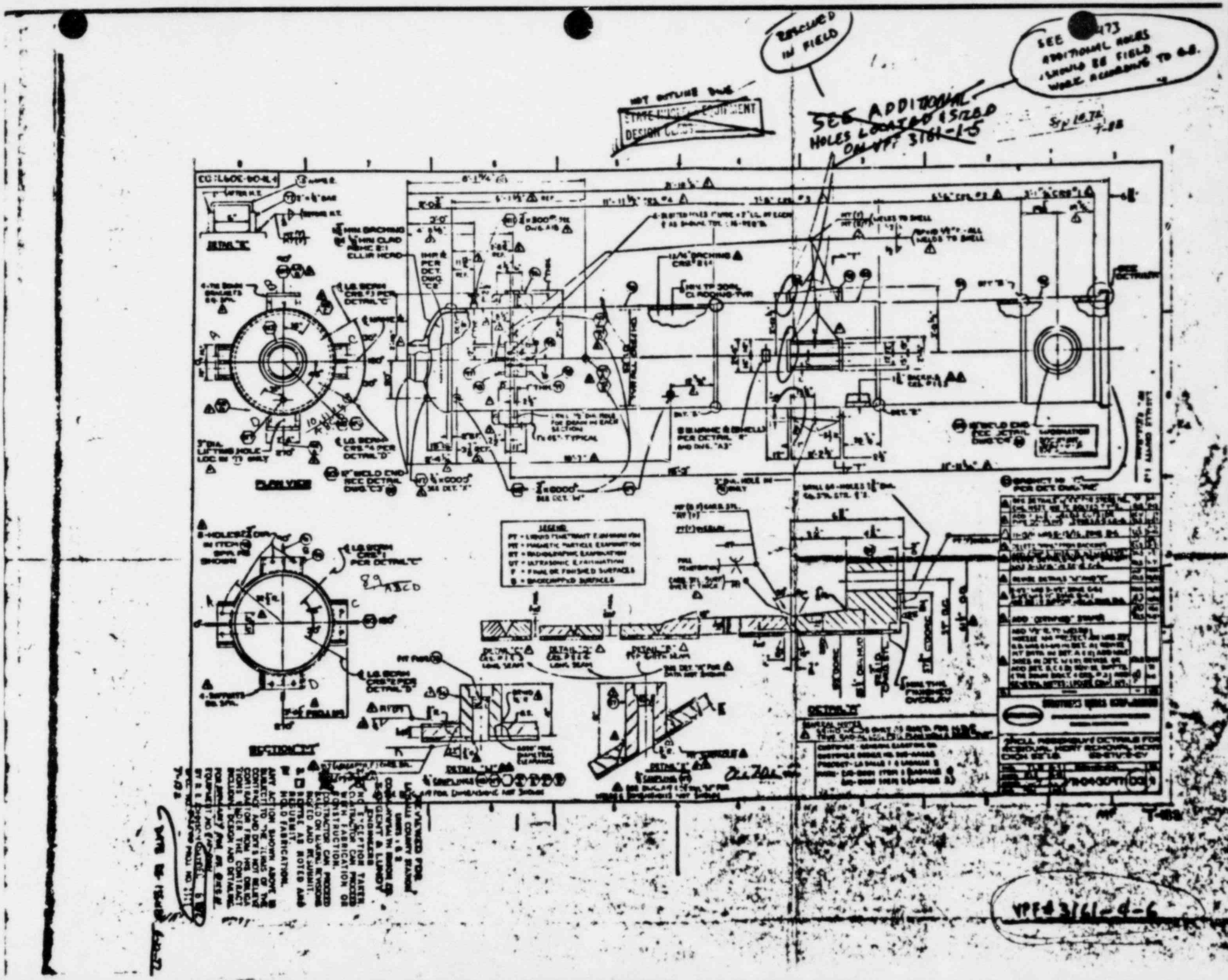
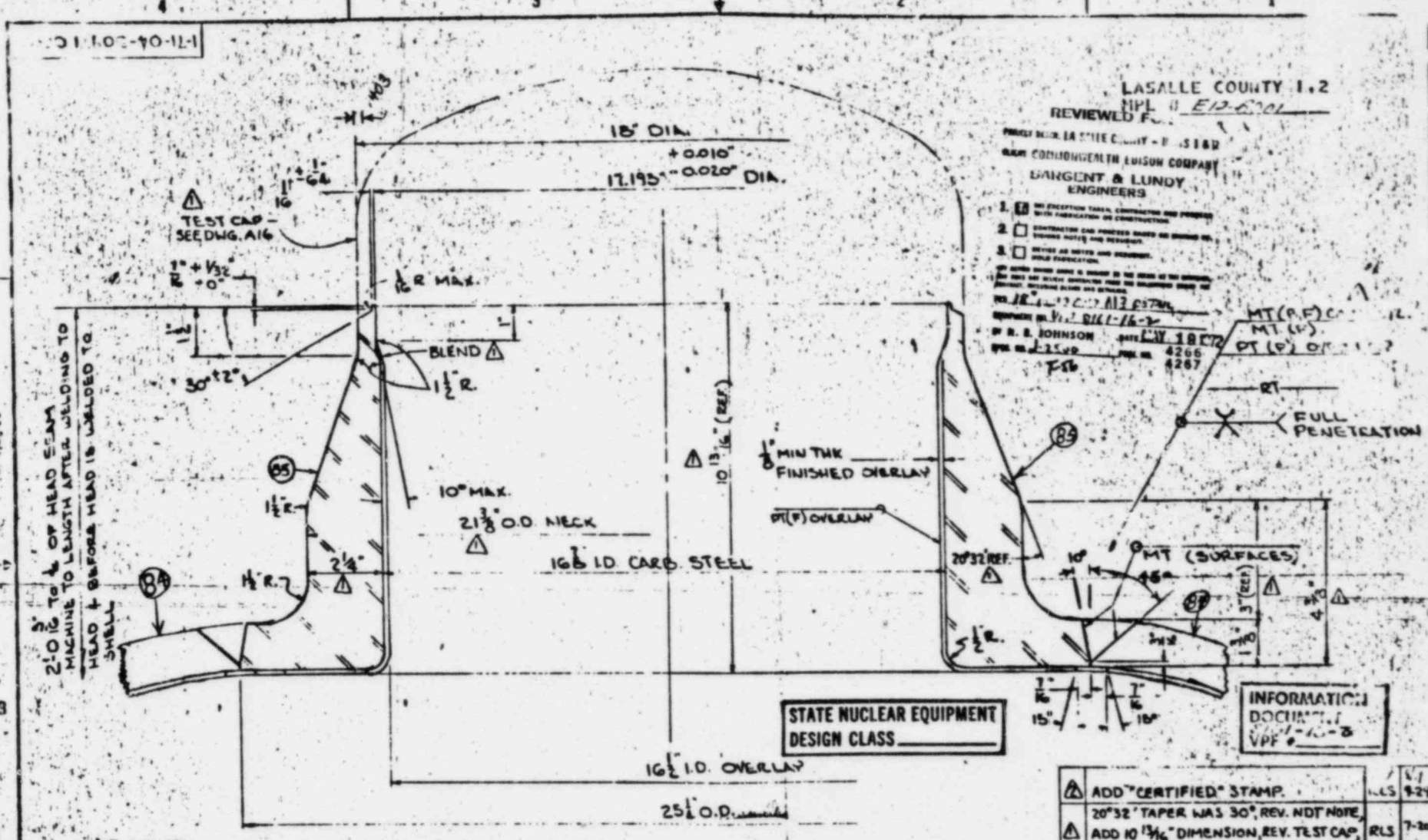


FIGURE 4 (SEE NOTE 6)
VESSEL NOZZLES
OTHERWISE SAME
AS FIG. 1

REVISIONS			PRINT 1	
1			235	268
			818	225
CHKD BY: J.S.M.			115	
ENG K2860			PP	
05 REV A			067	
(D F Z)			443	

DRAWN: J. Smith Jr. 5-1-73	CHKD: R. Shively	BWRS SAN JOSE	131C8662	
DESIGNED: D. Arguello DRAFTING DEC 14, 1973		R	E15	


REVISED IN FIELD
SEE ADDITIONAL HOLES LOCATED ISSUED ON VPF 3161-1-5
SEE ADDITIONAL HOLES WHICH SHALL BE FIELD WORK ACCORDING TO G.E.
VPF-3161-4-6



LEGEND

PT = LIQUID PENETRANT EXAMINATION
MT = MAGNETIC PARTICLE EXAMINATION
RT = RADIOGRAPHIC EXAMINATION
F = FINAL OR FINISHED SURFACES
B = BACKCHIPPED SURFACES

DRAWING CERTIFIED FOR FABRICATION
9/20/71

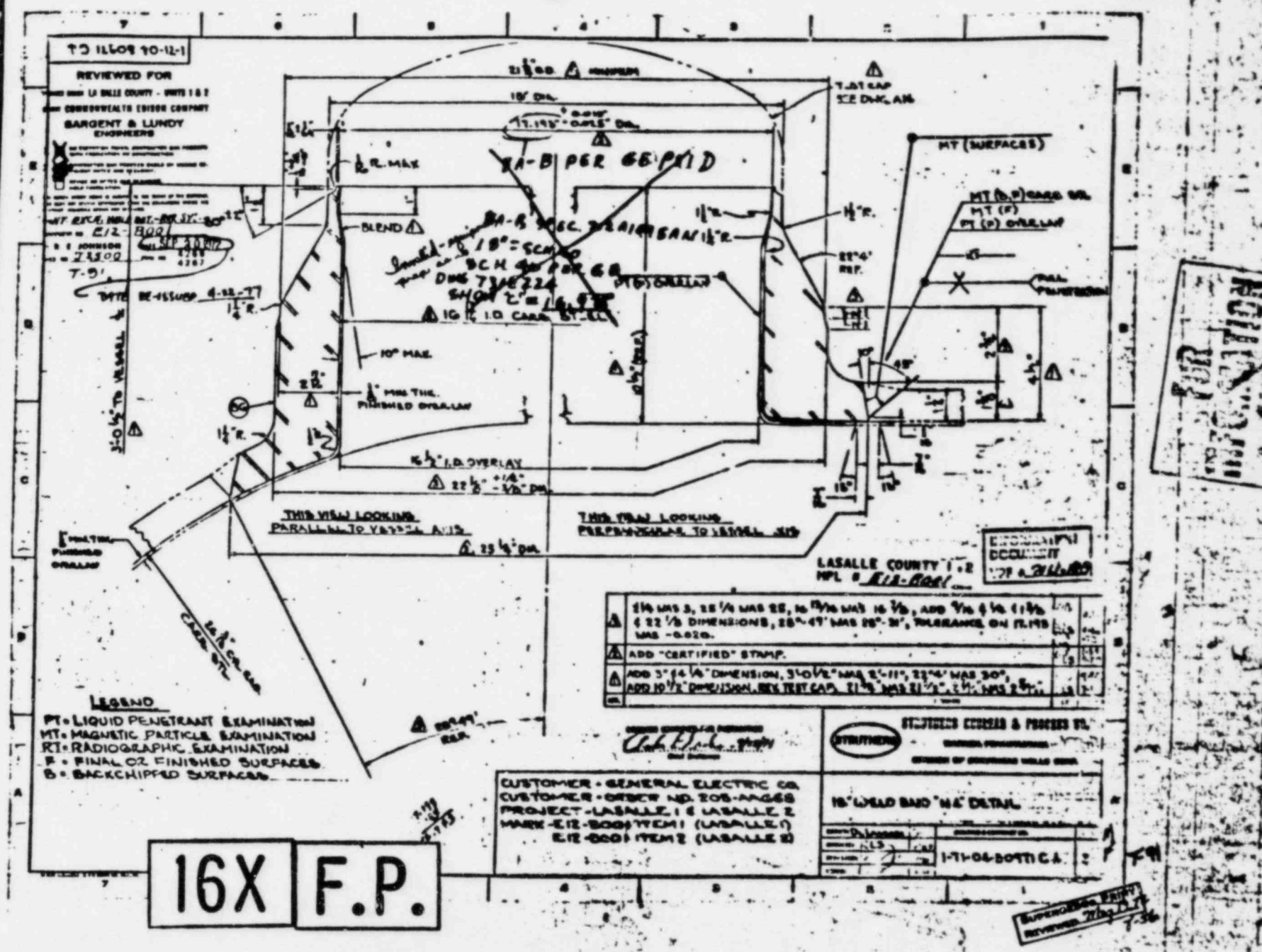
2	ADD "CERTIFIED" STAMP.	RLS	9-24
1	20°32' TAPER WAS 30°, REV. NDT NOTE, ADD 10 13/16" DIMENSION, REV. TEST CAP, 2¼ WAS 2 3/16, 21⅜ WAS 21⅛.	RLS	7-20
NO.	REVISION		

STRUTHERS WELLS CORPORATION
STRUTHERS NUCLEAR & PROCESS DIVISION
WARREN, PENNSYLVANIA

CUSTOMER - GENERAL ELECTRIC CO
CUSTOMER ORDER NO. 205-AAGGB
PROJECT - LASALLE 1 & LASALLE 2
MARK - E12-B001 ITEM 1 (LASALLE 1)
E12-B001 ITEM 2 (LASALLE 2)

18" WELD END "N3" DETAIL

DRAWN: D. LANGAN	6-29	DRAWING & CONTRACT NO.	REV.
CHECKED: R.L.S.	6-30	1-71-04-30971 CB	2
APPROVED:	DATE		
SCALE:			

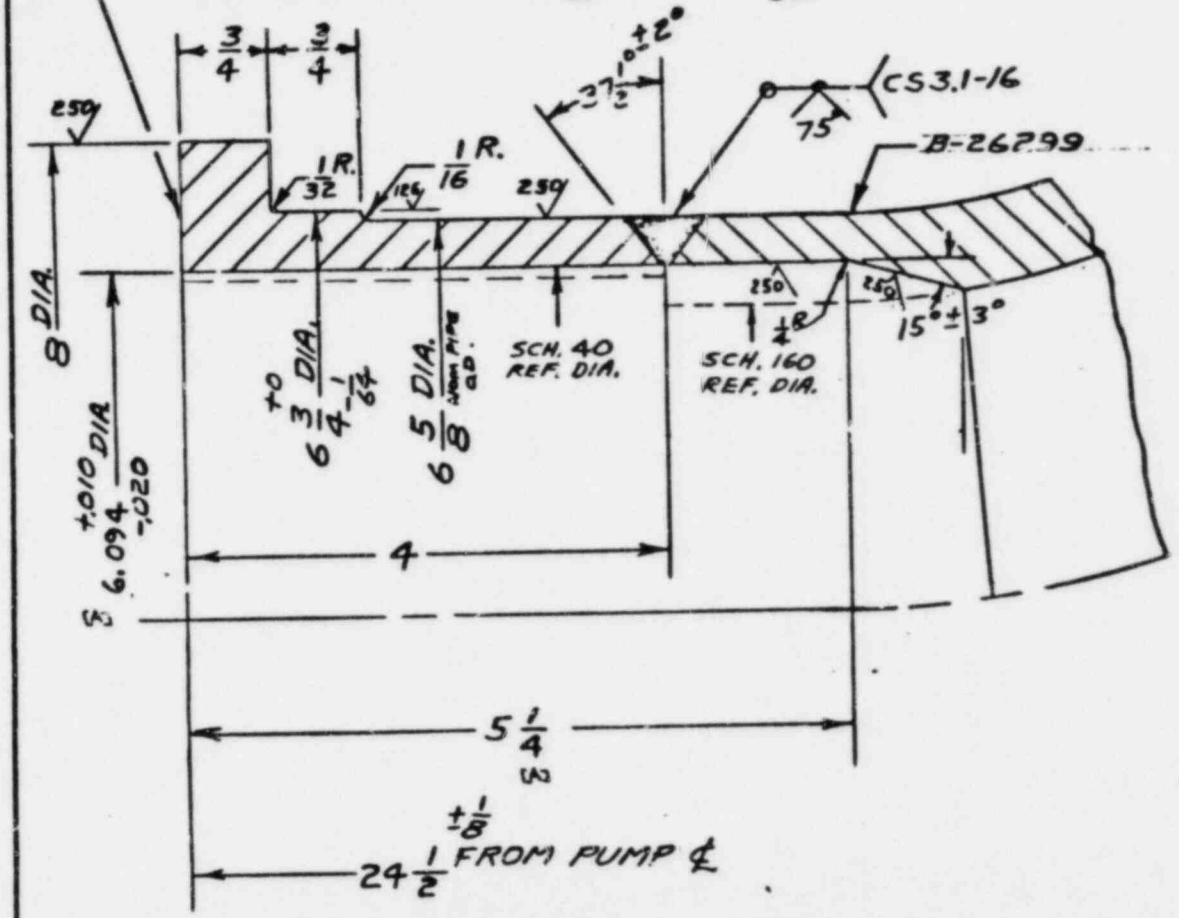

REVIEWED FOR
SARGENT & LUNDY ENGINEERS
BA-B PER GE PRO
BLEND
10" MAX
1" MIN THK. FINISHED OVERLAY
16 1/2" I.D. OVERLAY
THIS VIEW LOOKING PARALLEL TO VESSEL AXIS
THIS VIEW LOOKING PERPENDICULAR TO VESSEL AXIS
MT (SURFACES)
PT (P) OVERLAP
FINAL PENETRATION
LASALLE COUNTY 1 & 2
LEGEND
PT = LIQUID PENETRANT EXAMINATION
MT = MAGNETIC PARTICLE EXAMINATION
RT = RADIOGRAPHIC EXAMINATION
F = FINAL OR FINISHED SURFACES
B = BACKCHIPPED SURFACES
CUSTOMER - GENERAL ELECTRIC CO.
CUSTOMER - ORDER NO. 208-ANGES
PROJECT - LASALLE 1 & LASALLE 2
MARK - E12-B001 ITEM 1 (LASALLE 1)
E12-B001 ITEM 2 (LASALLE 2)
16" WELD BAND "MA" DETAIL
16X F.P.

WFR 3161-18-3

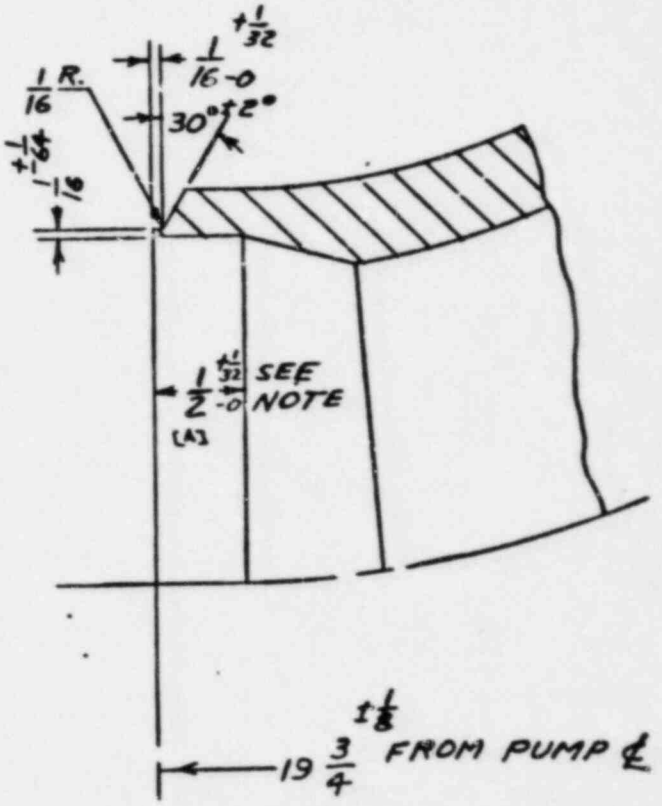
B-26415

CONCENTRIC SERRATIONS TO BE MADE WITH 90° INCLUDED ANGLE "V" TOOL-GROOVES TO BE $\frac{1}{64}$ DP. MAX. x $\frac{1}{32}$ APART

NOTE:
REVISIONS TO THIS DWG. REQ.
SAME REVISIONS TO DWG. A-41886



TEST MACH. DETAIL



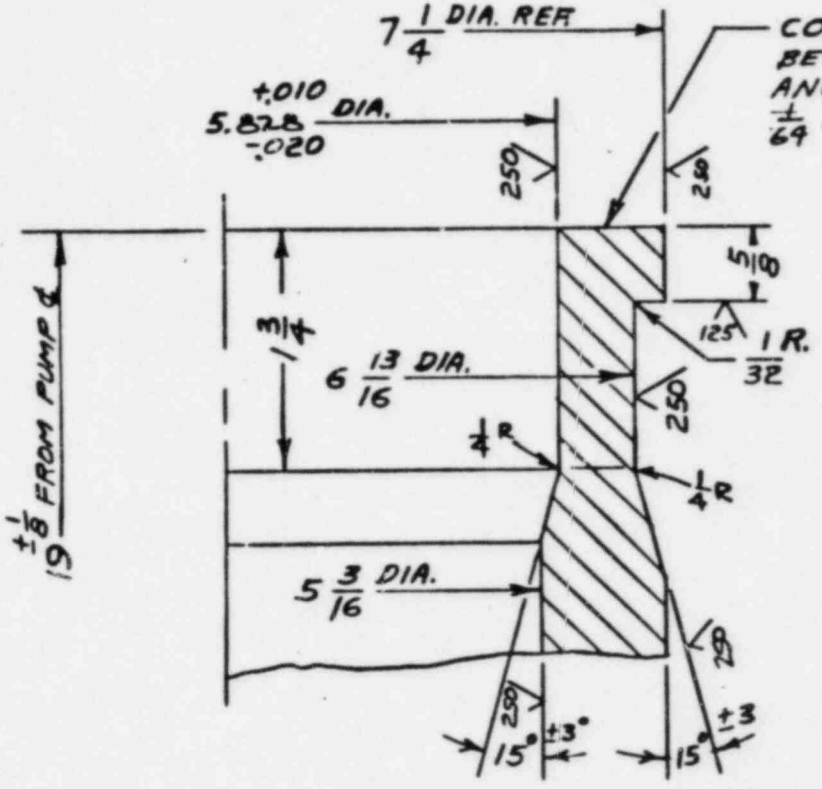
FINAL MACH. DETAIL AFTER ALL TESTING IS COMPLETE

NOTE:
MAINTAIN $\frac{1}{2}$ $^{+\frac{1}{32}}_{-0}$ DIM. BY UTILIZING TOLERANCE ON 19 $\frac{3}{4}$ $\pm\frac{1}{8}$ DIMENSION.

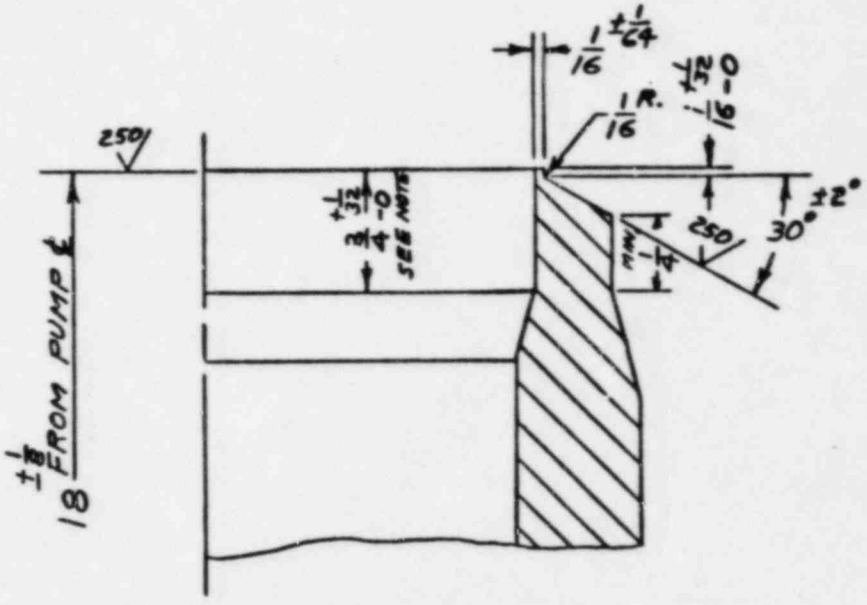
FRACTIONAL TOLERANCES UNLESS NOTED
MACHINING ± 1/64, FABRICATION ±

[B]				Bingham PUMP DIVISION	PART NO.	SUCTION NOZZLE - 6" SCH. 40		
[A]	L .094 WAS 5 PLCS. 5/4 WAS FIL. 1/2 WAS 1/8	9-17-71		BINGHAM-WILLAMETTE COMPANY Portland, Ore. — Shreveport, La.	REF.	FIRST USED 200358/U	DR. RAB	CK. BHL	DATE 2-12-71	SCALE 12" = 1" IN.	B-26415	REV.
	REVISIONS				THE DESIGN AND/OR INFORMATION ON THIS DRAWING ARE PROPRIETARY AND THE RECIPIENT AGREES NOT TO REPRODUCE OR COPY IT IN WHOLE OR IN PART NOR TO REVEAL ITS CONTENT TO OTHERS NOR TO MAKE ANY USE OF IT THAT IS OR MAY BE INJURIOUS TO BINGHAM-WILLAMETTE CO.							

B-26381



HYDRO-TEST MACH. DETAIL



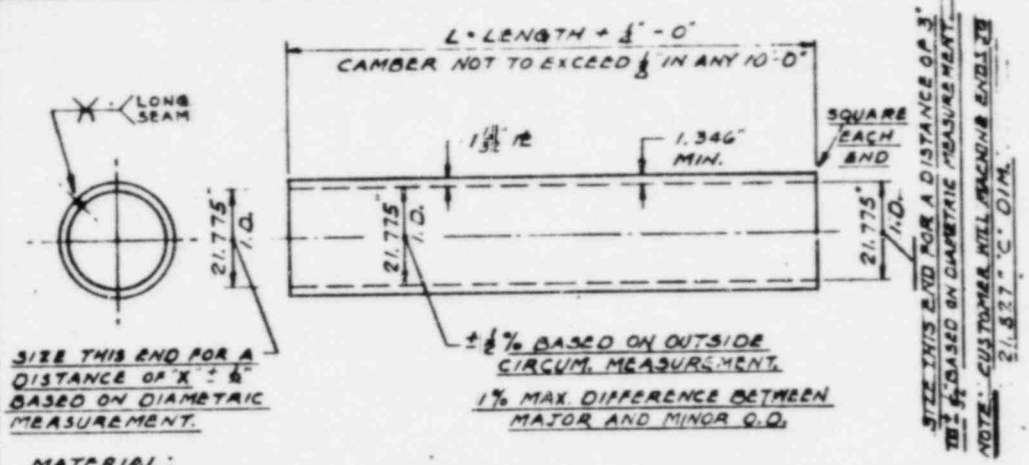
FINAL MACHINING DETAIL AFTER ALL TESTING IS COMPLETE

NOTE:
MAINTAIN $3\frac{3}{4}{}^{+1/32}_{-0}$ DIM. BY UTILIZING TOLERANCE ON 18" ±1/8 DIMENSION

NOTE:
REVISIONS TO THIS DWG. REQ. SAME REVISIONS TO DWG. A-41887

FRACTIONAL TOLERANCES UNLESS NOTED
MACHINED = 1/64, FABRICATION =

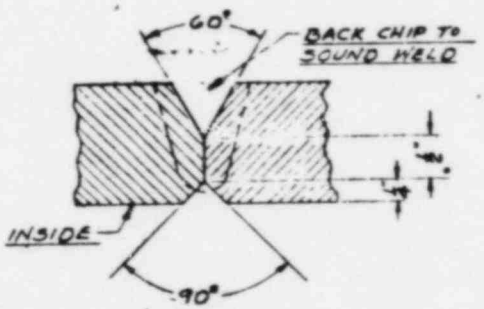
[B]			Bingham PUMP DIVISION	PATT. NO.		DISCH. NOZZLE - 6" SCH. 80			
[A]	6B2B WAS 5.600, 1 1/8 WAS 1 3/8, 3/8 WAS 7/8, REVISED NOTES	Lmm 9-17-71	BINGHAM-WILLAMETTE COMPANY	REF.	FIRST USED 200359(4)	DR. KAB	CK. BM	DATE 2-8-71	SCALE 6" = 1 FT.	B-26381	REV.
REVISIONS		NOTES	Portland, Ore. — Shreveport, La.	THE DESIGN AND/OR INFORMATION ON THIS DRAWING ARE PROPRIETARY AND THE RECIPIENT AGREES NOT TO REPRODUCE OR COPY IT OR SHOW OR IN PART NOR TO REVEAL ITS CONTENT TO OTHERS NOR TO MAKE ANY USE OF IT THAT IS OR MAY BE INJURIOUS TO BINGHAM-WILLAMETTE CO.					



GRINNELL PART NO.	NABCO PC.	NO. REQ	"X"	"L"	WEIGHT IN LBS
OM-G1-1-1	1452-1	1	3"	3'-5"	1215
	1452-2	1	3"	3'-5"	1215
	1452-3	1	3"	3'-5"	1215
	1452-4	1	3"	3'-5"	1216
	1452-5	1	5"	2'-9"	975
	1452-6	1	5"	2'-9"	975
	1452-7	1	5"	2'-9"	975
	1452-8	1	5"	2'-9"	975
	1452-9	1	5"	2'-9"	975
	1452-10	1	5"	2'-9"	975
	1452-11	1	5"	2'-9"	975
	1452-12	1	5"	2'-9"	975
	1452-13	1	5"	2'-9"	975
	1452-14	1	5"	2'-9"	975
	1452-15	1	5"	2'-9"	975
	1452-16	1	5"	2'-9"	975

MATERIAL:
ASME SA-240 - TYPE 304 STAINLESS STEEL
PER ASME SECTION II 1974 EDITION.

SPECIFICATIONS:
COMPLETED PIPE TO CONFORM TO THE REQUIREMENTS OF SA-358 CLASS I FOR ASME SECTION III CLASS I MATERIAL AND GENERAL ELECTRIC SPECIFICATION 21A2005 REV 2.
WELD ON INSIDE AND OUTSIDE TO BE "SMOOTH AS WELDED."
PIPE TO BE SOLUTION ANNEALED.
COMPLETED PIPE TO BE FREE OF INJURIOUS DEFECTS, AS DETECTED BY THE UNAIDED EYE & TO HAVE A WORKMANLIKE FINISH FREE OF SCALE, SLAG, WELD SPATTER ETC.
HYDROSTATIC TEST AT 2575 PSIG



LONG. SEAM
"FULL PENETRATION WELD"

MARKING: (USE LOW STRESS, ROUND BOTTOM STAMPS)
STAMP EACH PC. STARTING 12" FROM ONE END, AS FOLLOWS:
"NABCO 1452-1" ETC.
"ASME SA-358-GR 304, CL I"
"SA240-T304"
HEAT NUMBER
N PT (YEAR) (S.N.)

INSPECTION:
GRINNELL, GENERAL ELECTRIC,
NABCO, HSB (N-2 PARTIAL DATA REPORT)

PROCEDURES REQUIRED:

TEST REQUIREMENTS	TR-72-1
ULTRASONIC EXAMINATION	UT-72-1
BENDING AND FORMING	BF-72-1
LIQUID PENETRANT EXAMINATION	PT-75-1
RADIOGRAPHIC EXAMINATION	RT-72-4
HEAT TREATMENT & CLEANING	HT-72-1
PACKAGING AND PACKING	PP-72-1
MARKING	MP-72-1
WELDING INFORMATION	WP-73-2
HYDROSTATIC TESTING	HP-72-1

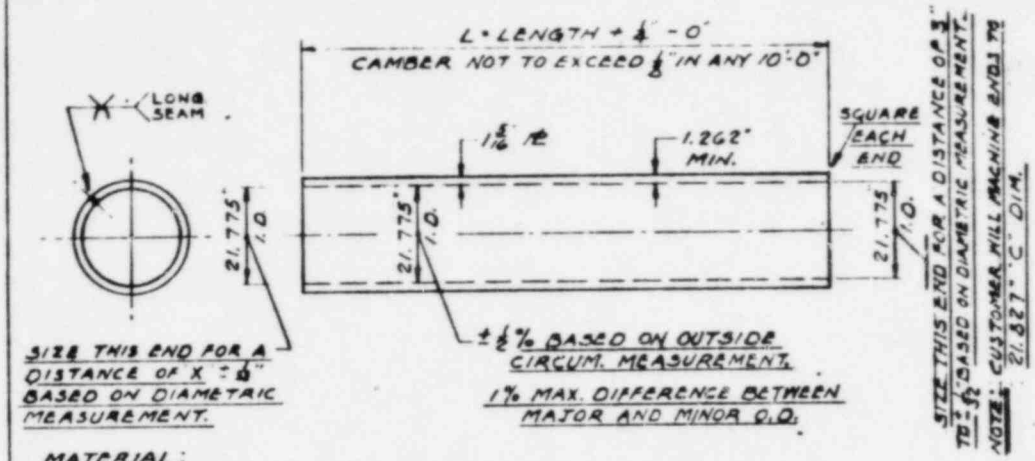
Approved
D.O.B.
4/19/75

NO.	DATE	DESCRIPTION
		REVISIONS

NATIONAL ANNEALING BOX CO.
WASHINGTON, PA.

ITT GRINNELL INDUSTRIAL PIPING INC.
KERNERSVILLE, N.C.
21.775" I.D. PIPE

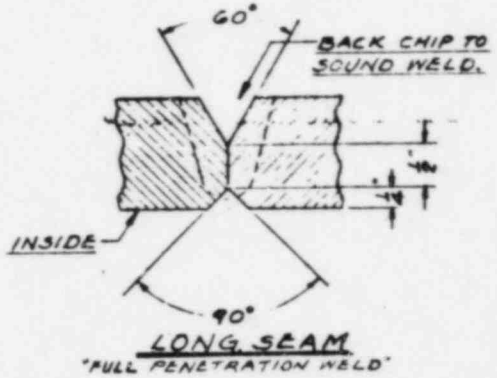
DATE	7-16-75
DRAWN BY	R.J.L.
CHECKED	J.C.F.
CERTIFIED	J.C.F.
S.O.	C-1452-7
P.O.	R.E.R. 0624-M
REF. DWG.	
DWG. NO.	NG1152-2
REV.	0



GRINNELL PART NO.	NABCO PC.	NO. REQ	"X"	"L"	WEIGHT IN LBS
OM-61-1-2	1453-1	1	5"	18'-3 1/2"	6060
	1453-2	1	5"	18'-4 1/2"	6060
	1453-3	1	5"	18'-4 3/4"	6060
	1453-4	1	5"	18'-4 1/4"	6060

MATERIAL:
ASME SA-240 - TYPE 304 STAINLESS STEEL
PER ASME SECTION II 1974 EDITION.

SPECIFICATIONS:
COMPLETED PIPE TO CONFORM TO THE REQUIREMENTS OF SA-358 CLASS I FOR ASME SECTION III CLASS I MATERIAL AND GENERAL ELECTRIC SPECIFICATION 21A8005 REV 2.
WELD ON INSIDE AND OUTSIDE TO BE "SMOOTH AS WELDED."
PIPE TO BE SOLUTION ANNEALED.
COMPLETED PIPE TO BE FREE OF INJURIOUS DEFECTS, AS DETECTED BY THE UNAIDED EYE & TO HAVE A WORKMANLIKE FINISH FREE OF SCALE, SLAG, WELD SPATTER ETC.
HYDROSTATIC TEST AT 2420 PSIG



LONG SEAM
"FULL PENETRATION WELD"

MARKING: (USE LOW STRESS, ROUND BOTTOM STAMPS)
STAMP EACH PC. STARTING 12" FROM ONE END, AS FOLLOWS:
"NABCO 1453-1" ETC.
"ASME SA-358-GR 304, CL 1" N PT (YEAR) (S N)
"SA 240-T304"
HEAT NUMBER
1

INSPECTION:
GRINNELL, GENERAL ELECTRIC, NABCO, HSB (N 2 PARTIAL DATA REPORT)

PROCEDURES REQUIRED:

TEST REQUIREMENTS	TR-72-1
ULTRASONIC EXAMINATION	UT-72-1
BENDING AND FORMING	BF-72-1
LIQUID PENETRANT EXAMINATION	PT-75-1
RADIOGRAPHIC EXAMINATION	RT-72-4
HEAT TREATMENT & CLEANING	HT-72-1
PACKAGING AND PACKING	PP-72-1
MARKING	MP-72-1
WELDING INFORMATION	WP-73-2
HYDROSTATIC TESTING	HP-72-1

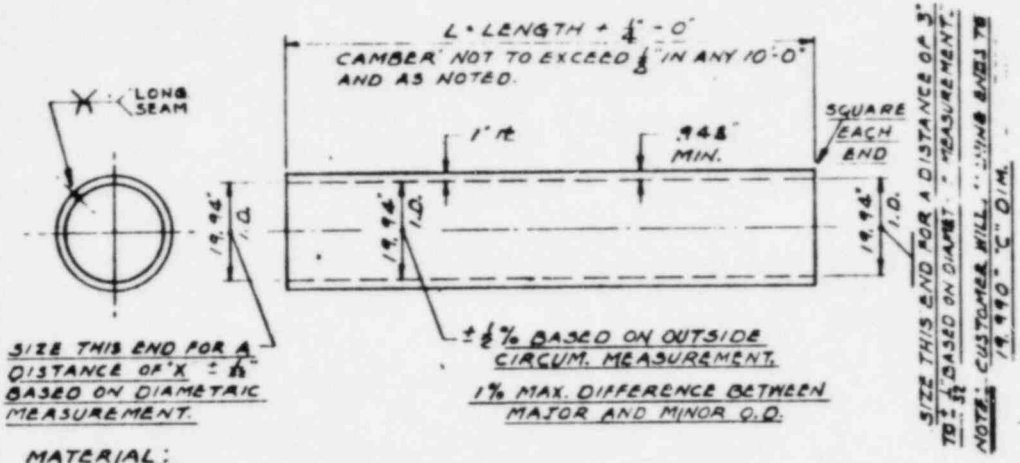
Approved DLD 4/19/75

NO.	DATE	DESCRIPTION
REVISIONS		

NATIONAL ANNEALING BOX CO.
WASHINGTON, PA.

ITT GRINNELL INDUSTRIAL PIPING INC.
KERNERSVILLE, N.C.
21.775 I.D. PIPE

DATE	1-19-75
DRAWN BY	S.J.L.
CHECKED	JCP
CERTIFIED	JCP
S.O.	C-1453-7
P.O.	KER-0624-M
REF. DWG.	
DWG. NO.	NG1153-2
REV.	0

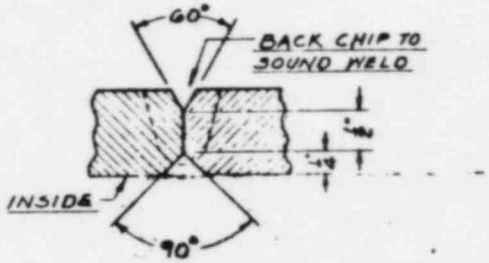


GRINNELL PART NO	NABCO PC.	REQ	X	"L"	WEIGHT IN LBS
	1454-1	1	3"	4'-2 1/2"	960
	1454-2	1	3"	4'-2 1/2"	960
	1454-3	1	3"	4'-2 1/2"	960
	1454-4	1	3"	4'-2 1/2"	960
	1454-5	1	3"	4'-2 3/4"	965
	1454-6	1	3"	4'-2 3/4"	965
	1454-7	1	3"	17'-3"	3935
	1454-8	1	3"	17'-3"	3935
	1454-9	1	9"	3'-8"	835
GM-61-1-3	1454-10	1	9"	3'-8"	835
	1454-11	1	9"	3'-8"	835
	1454-12	1	9"	3'-8"	836
	1454-13	1	12"	3'-1"	701
	1454-14	1	12"	3'-1"	701
	1454-15	1	12"	3'-1"	701
	1454-16	1	12"	3'-1"	701
	1454-17	1	3"	24'-1 13/32" *	5510
	1454-18	1	3"	24'-1 13/32" *	5510

* 13/32" MAX. CAMBER FOR PCS 17 & 18

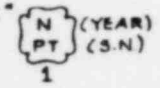
MATERIAL:
ASME SA-240 - TYPE 304 STAINLESS STEEL
PER ASME SECTION II 1974 EDITION.

SPECIFICATIONS:
COMPLETED PIPE TO CONFORM TO THE REQUIREMENTS OF SA-358 CLASS I FOR ASME SECTION III CLASS I MATERIAL AND GENERAL ELECTRIC SPECIFICATION 21A2005 REV 2. WELD ON INSIDE AND OUTSIDE TO BE "SMOOTH AS WELDED." PIPE TO BE SOLUTION ANNEALED.
COMPLETED PIPE TO BE FREE OF INJURIOUS DEFECTS, AS DETECTED BY THE UNAIDED EYE & TO HAVE A WORKMANLIKE FINISH FREE OF SCALE, SLAG, WELD SPATTER ETC.
HYDROSTATIC TEST AT 2050 PSIG



LONG. SEAM
"FULL PENETRATION WELD"

MARKING: (USE LOW STRESS, ROUND BOTTOM STAMPS)
STAMP EACH PC. STARTING 12" FROM ONE END, AS FOLLOWS:
"NABCO 1454-1" ETC.
"ASME SA-358-GR 304, CL I"
"SA 240-T304"
HEAT NUMBER



INSPECTION:
GRINNELL, GENERAL ELECTRIC,
NABCO, HSB (N-2 PARTIAL DATA REPORT)

PROCEDURES REQUIRED:

TEST REQUIREMENTS	TR-72-1
ULTRASONIC EXAMINATION	UT-72-1
BENDING AND FORMING	BF-72-1
LIQUID PENETRANT EXAMINATION	PT-75-1
RADIOGRAPHIC EXAMINATION	RT-72-4
HEAT TREATMENT & CLEANING	HT-72-1
PACKAGING AND PACKING	PP-72-1
MARKING	MP-72-1
WELDING INFORMATION	WP-73-2
HYDROSTATIC TESTING	HP-72-1

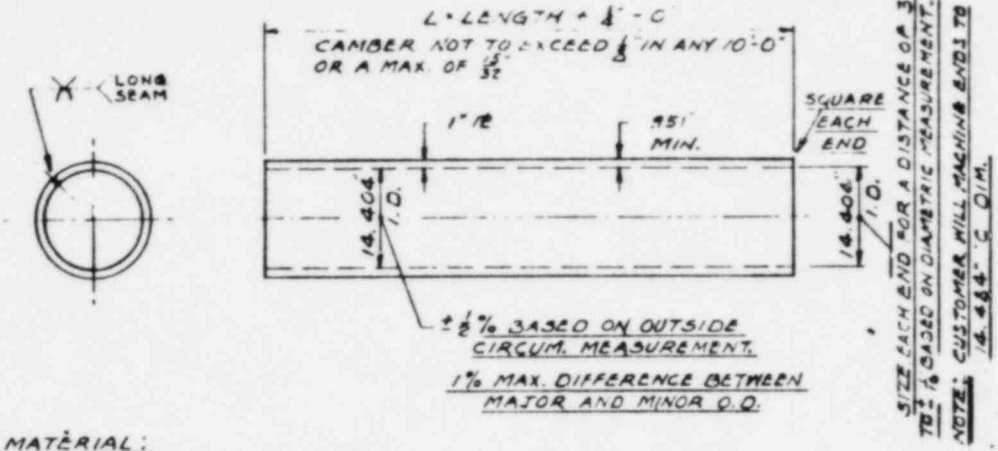
Approved
DGD
11/19/75

NO.	DATE	DESCRIPTION
		REVISIONS

NATIONAL ANNEALING BOX CO.
WASHINGTON, PA.

ITT GRINNELL INDUSTRIAL PIPING INC.
KERNERSVILLE, N.C.
19.94" I.D. PIPE

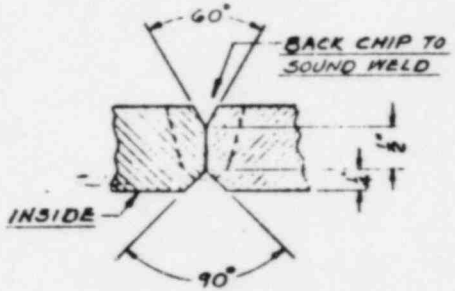
DATE	7-17-75
DRAWN BY	R.J.L.
CHECKED	JCP
CERTIFIED	JCP
S.O.	C-1454-7
P.O.	KER-0624-M
REF. DWGS.	
DWG. NO.	NG1155-2
REV.	0



GRINNELL PART NO	NABCO PC	NO. REQ	"L"	WEIGHT IN LBS
	1455-1	1	20'-10"	3500
	1455-2	1	20'-10"	3500
	1455-3	1	20'-10"	3500
	1455-4	1	20'-10"	3500
CN-GLM-6	1455-5	1	20'-10"	3500
	1455-6	1	20'-10"	3500
	1455-7	1	20'-10"	3500
	1455-8	1	20'-10"	3500

MATERIAL:
ASME SA-240 - TYPE 304 STAINLESS STEEL
PER ASME SECTION II 1974 EDITION.

SPECIFICATIONS:
COMPLETED PIPE TO CONFORM TO THE REQUIREMENTS OF SA-358 CLASS I FOR ASME SECTION III CLASS I MATERIAL AND GENERAL ELECTRIC SPECIFICATION 21A2005 REV. 2. WELD ON INSIDE AND OUTSIDE TO BE "SMOOTH AS WELDED." PIPE TO BE SOLUTION ANNEALED.
COMPLETED PIPE TO BE FREE OF INJURIOUS DEFECTS, AS DETECTED BY THE UNAIDED EYE & TO HAVE A WORKMANLIKE FINISH FREE OF SCALE, SLAG, WELD SPATTER ETC.
HYDROSTATIC TEST AT 2743 PSIG



LONG SEAM
"FULL PENETRATION WELD"

MARKING: (USE LOW STRESS, ROUND BOTTOM STAMPS)
STAMP EACH PC. STARTING 12" FROM ONE END, AS FOLLOWS:
"NABCO 1455-1" ETC.
"ASME SA-358-GR 304, CL I"
"SA 240-T304"
HEAT NUMBER
N PT 1 (YEAR) (S N)

INSPECTION:
GRINNELL, GENERAL ELECTRIC,
NABCO, HSB (N-2 PARTIAL DATA REPORT)

PROCEDURES REQUIRED:

TEST REQUIREMENTS	TR-72-1
ULTRASONIC EXAMINATION	UT-72-1
BENDING AND FORMING	BF-72-1
LIQUID PENETRANT EXAMINATION	PT-75-1
RADIOGRAPHIC EXAMINATION	RT-72-3
HEAT TREATMENT & CLEANING	HT-72-1
PACKAGING AND PACKING	PP-72-1
MARKING	MP-72-1
WELDING INFORMATION	WP-73-2
HYDROSTATIC TESTING	HP-72-1

Approved
11/19/75

NO	DATE	DESCRIPTION
REVISIONS		

NATIONAL ANNEALING BOX CO.
WASHINGTON, PA.

ITT GRINNELL INDUSTRIAL PIPING INC
KERNERSVILLE, N.C.
14.404 I.D. PIPE

S.O. C-1455-7
P.O. KER-0624-M
REF. DWG.

DATE	7-16-75
DRAWN BY	E.J.L.
CHECKED	
CERTIFIED	

DWG. NO. NG1156-2 REV. 0

ISI Drawings

Dwg. Number	Description
GEL-1119	RPV Weld Plan Layout and Acoustic Sensor Location - General Electric Dwg.
GEL-1107	RCIC Pump Welds
GEL-1108	RHR Pump Assembly
GEL-1005	Reactor Water Clean-up (IRT-2001A)
GEL-1061	Unit 2 Bottom Vessel Head Assembly
GEL-1060	Unit 2 Top Vessel Head
GEL-2049	HP Pump Assembly
GEL-2050	LP Pump Assembly
GEL-1093	Jet Pump Instrumentation Lines JPI-A, JPI-B
INB-2001	Nuclear Boiler
GEL-1106	Main Steam Valve Drain Lines (IMS-2046)
GEL-1100	MSIV Drain Line Headers for Unit 2 (2MS0025A, 2MS0028A)
GEL-1112	LSCS Scram Discharge Header (2RD-0022-1)
GEL-1105	LSCS Scram Discharge Header (2RD-0022-2)
GEL-1110	Reactor Water Clean-up (IRT-2001)
GEL-1111	Residual Heat Removal Heat Exchangers 2A&2B
IFW-2001	FW-Feedwater (North Loop)
IFW-2002	FW-Feedwater (South Loop)
IFW-2004	FW-Feedwater (North Loop)
IFW-2005	FW-Feedwater (South Loop)
IHP-2001	HP-High Pressure Core Spray
IHP-2002	HP-High Pressure Core Spray
IHP-2003	HP-High Pressure Core Spray
IHP-2004	HP-High Pressure Core Spray

ISI Drawings

Dwg. Number	Description
IHP-2005	HP-High Pressure Core Spray
IHP-2006	HP-High Pressure Core Spray
IHP-2007	HP-High Pressure Core Spray
IHP-2010	HP-High Pressure Core Spray
IHP-2011	HP-High Pressure Core Spray
IHP-2012	HP-High Pressure Core Spray
IHP-2013	HP-High Pressure Core Spray
IHP-2014	HP-High Pressure Core Spray
IHP-2015	HP-High Pressure Core Spray
ILP-2001	LP-Low Pressure Core Spray
ILP-2002	LP-Low Pressure Core Spray
ILP-2003	LP-Low Pressure Core Spray
ILP-2004	LP-Low Pressure Core Spray
ILP-2010	LP-Low Pressure Core Spray
ILP-2011	LP-Low Pressure Core Spray
ILP-2012	LP-Low Pressure Core Spray
ILP-2013	LP-Low Pressure Core Spray
ILP-2014	LP-Low Pressure Core Spray
IMS-2001	MS-Main Steam
IMS-2002	MS-Main Steam
IMS-2003	MS-Main Steam
IMS-2004	MS-Main Steam
IMS-2036	MS-Main Steam
IMS-2037	MS-Main Steam
IMS-2038	MS-Main Steam

ISI Drawings

Dwg. Number	Description
IMS-2039	MS-Main Steam
IMS-2040	MS-Main Steam
IMS-2041	MS-Main Steam
IMS-2042	MS-Main Steam
IMS-2043	MS-Main Steam
IMS-2044	MS-Main Steam
IMS-2045	MS-Main Steam
IMS-2051	MS-Main Steam
IMS-2052	MS-Main Steam
IMS-2053	MS-Main Steam
IMS-2054	MS-Main Steam
IMS-2055	MS-Main Steam
IRH-2001	RH-Residual Heat Removal
IRH-2002	RH-Residual Heat Removal
IRH-2003	RH-Residual Heat Removal
IRH-2004	RH-Residual Heat Removal
IRH-2005	RH-Residual Heat Removal
IRH-2006	RH-Residual Heat Removal
IRH-2007	RH-Residual Heat Removal
IRH-2008	RH-Residual Heat Removal
IRH-2009	RH-Residual Heat Removal
IRH-2010	RH-Residual Heat Removal
IRH-2011	RH-Residual Heat Removal
IRH-2012	RH-Residual Heat Removal
IRH-2013	RH-Residual Heat Removal

ISI Drawings

Dwg. Number	Description
IRH-2014	RH-Residual Heat Removal
IRH-2015	RH-Residual Heat Removal
IRH-2016	RH-Residual Heat Removal
IRH-2017	RH-Residual Heat Removal
IRH-2018	RH-Residual Heat Removal
IRH-2019	RH-Residual Heat Removal
IRH-2020	RH-Residual Heat Removal
IRH-2021	RH-Residual Heat Removal
IRH-2022	RH-Residual Heat Removal
IRH-2023	RH-Residual Heat Removal
IRH-2024	RH-Residual Heat Removal
IRH-2025	RH-Residual Heat Removal
IRH-2027	RH-Residual Heat Removal
IRH-2028	RH-Residual Heat Removal
IRH-2029	RH-Residual Heat Removal
IRH-2030	RH-Residual Heat Removal
IRH-2031	RH-Residual Heat Removal
IRH-2032	RH-Residual Heat Removal
IRH-2033	RH-Residual Heat Removal
IRH-2034	RH-Residual Heat Removal
IRH-2036	RH-Residual Heat Removal
IRH-2037	RH-Residual Heat Removal
IRH-2038	RH-Residual Heat Removal
IRH-2039	RH-Residual Heat Removal
IRH-2040	RH-Residual Heat Removal

ISI Drawings

Dwg. Number	Description
IRH-2041	RH-Residual Heat Removal
IRH-2042	RH-Residual Heat Removal
IRH-2043	RH-Residual Heat Removal
IRH-2044	RH-Residual Heat Removal
IRH-2045	RH-Residual Heat Removal
IRH-2046	RH-Residual Heat Removal
IRH-2047	RH-Residual Heat Removal
IRH-2048	RH-Residual Heat Removal
IRH-2058	RH-Residual Heat Removal
IRH-2061	RH-Residual Heat Removal
IRH-2063	RH-Residual Heat Removal
IRH-2068	RH-Residual Heat Removal
IRH-2077	RH-Residual Heat Removal
IRI-2001	RI-Reactor Core Isolation Coolant
IRI-2002	RI-Reactor Core Isolation Coolant
IRI-2003	RI-Reactor Core Isolation Coolant
IRI-2004	RI-Reactor Core Isolation Coolant
IRI-2005	RI-Reactor Core Isolation Coolant
IRI-2006	RI-Reactor Core Isolation Coolant
IRI-2013	RI-Reactor Core Isolation Coolant
IRI-2014	RI-Reactor Core Isolation Coolant
IRI-2015	RI-Reactor Core Isolation Coolant
IRI-2016	RI-Reactor Core Isolation Coolant
IRI-2017	RI-Reactor Core Isolation Coolant
IRI-2018	RI-Reactor Core Isolation Coolant

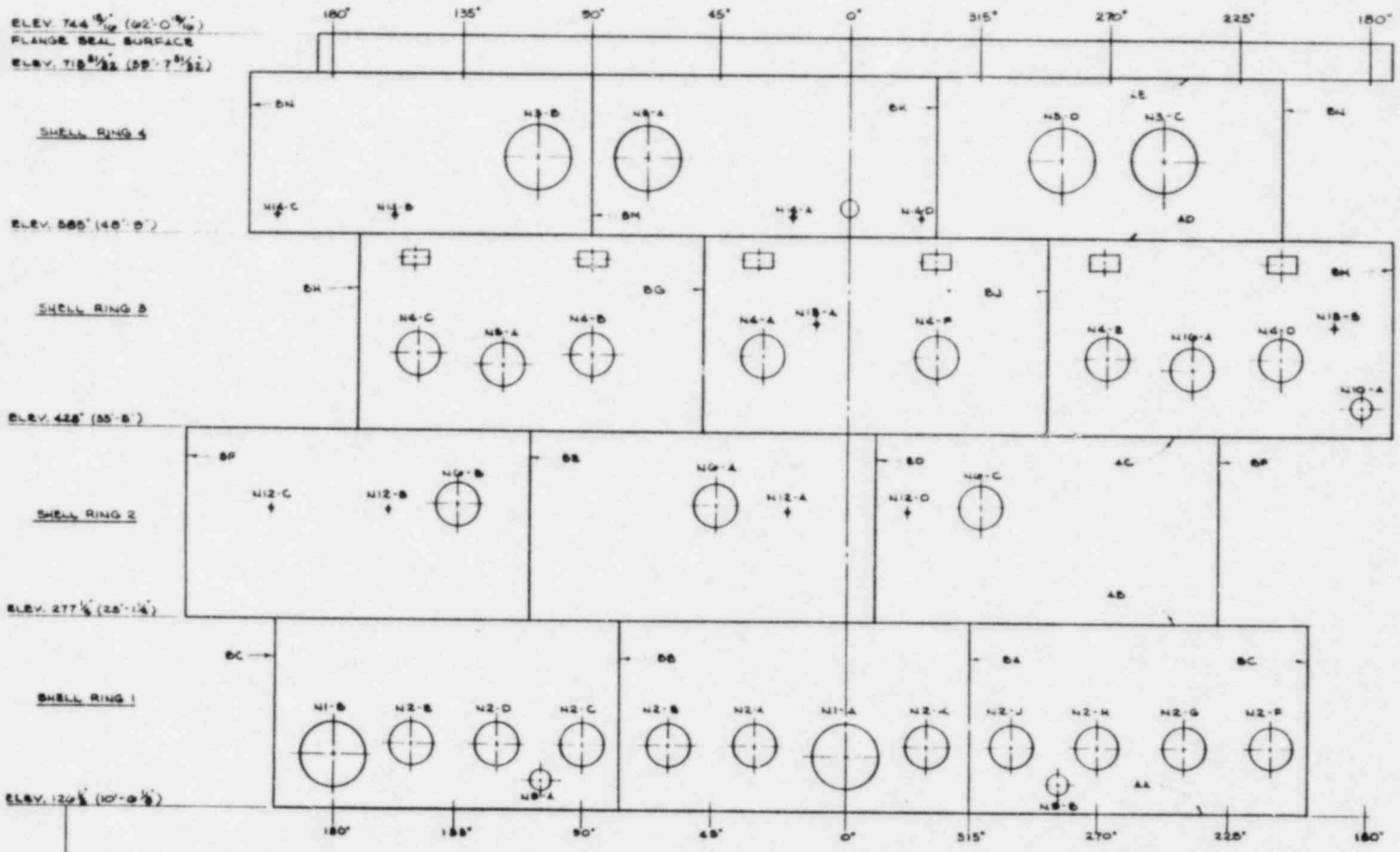
ISI Drawings

Dwg. Number	Description
IRI-2019	RI-Reactor Core Isolation Coolant
IRI-2020	RI-Reactor Core Isolation Coolant
IRI-2022	RI-Reactor Core Isolation Coolant
IRI-2029	RI-Reactor Core Isolation Coolant
IRI-2030	RI-Reactor Core Isolation Coolant
IRR-2001	RR-Reactor Recirculation Loop A
IRR-2002	RR-Reactor Recirculation Loop A
IRR-2003	RR-Reactor Recirculation Loop A
IRR-2005	RR-Reactor Recirculation Loop B
IRR-2006	RR-Reactor Recirculation Loop B
IRR-2007	RR-Reactor Recirculation Loop B
IRR-2009	RR-Reactor Recirculation Loop B
IRR-2010	RR-Reactor Recirculation Loop A

GEL-1113

NOZZLE LOCATION LAYOUT

LASALLE II



NOZZLE	ELEVATION	AZIMUTH	CUTOUT DIA.	DESCRIPTION
N1-A		0°	50 3/16"	RECIRCULATION OUTLET
N1-B		180°	50 3/16"	RECIRCULATION OUTLET
N2-A	181"	30°	38 1/8"	RECIRCULATION INLET
N2-B		90°		
N2-C		90°		
N2-D		120°		
N2-E		150°		
N2-F		210°		
N2-G		240°		
N2-H		270°		
N2-J		300°		
N2-K	181"	330°	38 1/8"	RECIRCULATION INLET
N9-A	152"	108°	2 1/4"	JET PUMP INSTRUMENTATION
N9-B	152"	288°	2 1/4"	JET PUMP INSTRUMENTATION
N9-A	372 1/2"	45°	35 1/8"	RHR LPCI MODE
N9-B	372 1/2"	135°	35 1/8"	RHR LPCI MODE
N9-C	372 1/2"	315°	35 1/8"	RHR LPCI MODE
N12-A	300"	30°	8.220"	INSTRUMENTATION
N12-B		150°		
N12-C		300°		
N12-D		240°		
N4-A	488 1/2"	30°	38 1/8"	FEEDWATER
N4-B		90°		
N4-C		150°		
N4-D		210°		
N4-E		270°		
N4-F	488 1/2"	330°	38 1/8"	FEEDWATER
N5-A	474 1/8"	120°	38 1/8"	LOW PRESSURE CORE SPRAY
N10-A	445 1/8"	150°	2 1/4"	CRD HYD. SYSTEM RETURN
N15-A	312"	10°	8.220"	INSTRUMENTATION
N15-B	312"	180°	8.220	INSTRUMENTATION
N10-A	474 1/8"	240°	38 1/8"	HIGH PRESSURE CORE SPRAY
N3-A	948"	72°	80 1/8"	STEAM OUTLET
N3-B		108°		
N3-C		252°		
N3-D	948"	288°	80 1/8"	STEAM OUTLET
N16-A	588"	30°	8.220"	INSTRUMENTATION
N16-B		190°		
N16-C		200°		
N16-D	588"	340°	8.220"	INSTRUMENTATION

COURSE	SEGMENT WELD AZIMUTH		
1	77°30'	197°30'	317°30'
2	110°	250°	350°
3	50°	170°	280°
4	80°	210°	330°

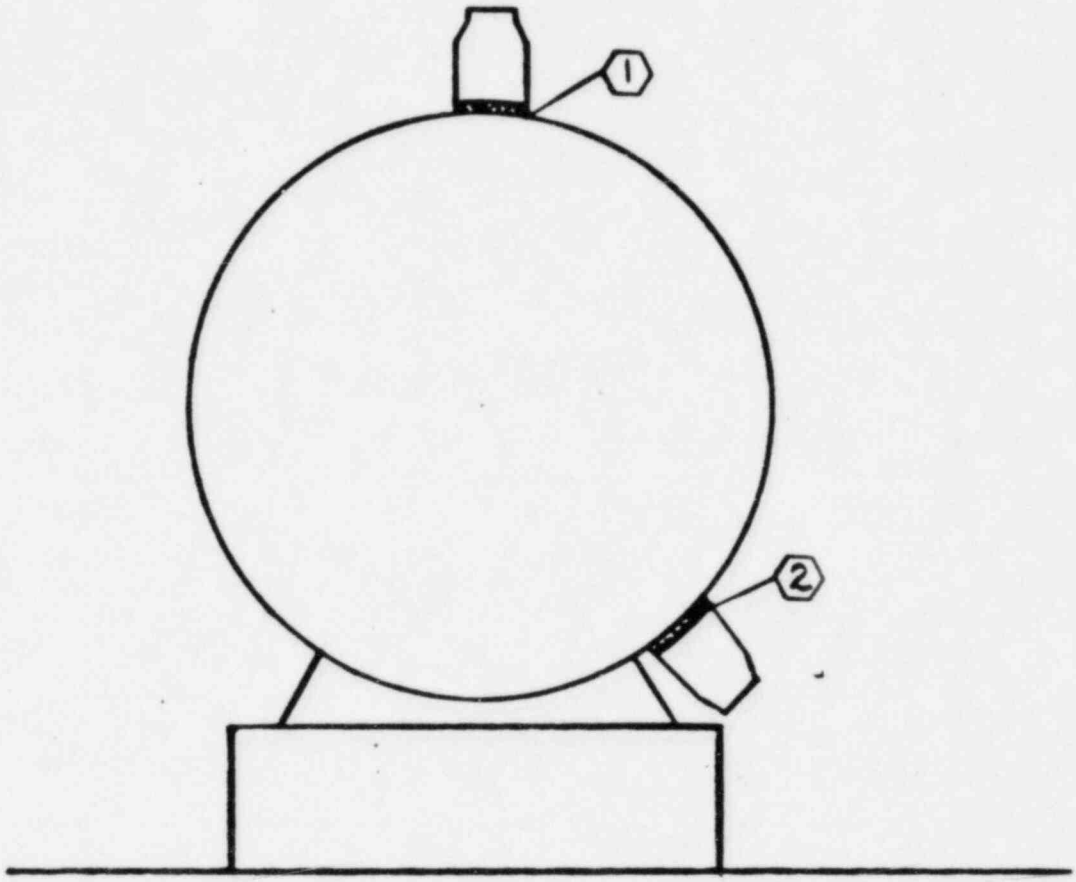
SEGMENT WELD	BA	BB	BC	BD	BE	BF	BG	BK	BJ	BK	BM	BN	DA	DB	DC	DD
LENGTH	150"	180"	150"	180"	180"	150"	157"	157"	157"	180"	180"	150"	—	—	—	—

SEGMENT WELD	DE	DF	DG	DH	DJ	DK	DM	DN	DP	DR	AA	AG	AR	AJ		
LENGTH	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

27OCT82		JR AYESO	GEL-1119
		DRAWN	

GENERAL ELECTRIC

GEL-1107



UNIT	WELD DESIGNATION	PUMP LOCATION
1	IRI-PU1-1,-2	EL. 673, COLUMNS B+14
2	IRI-PU2-1,-2	EL. 673, COLUMNS B+20

CAL. STD. NO. 01-91-05

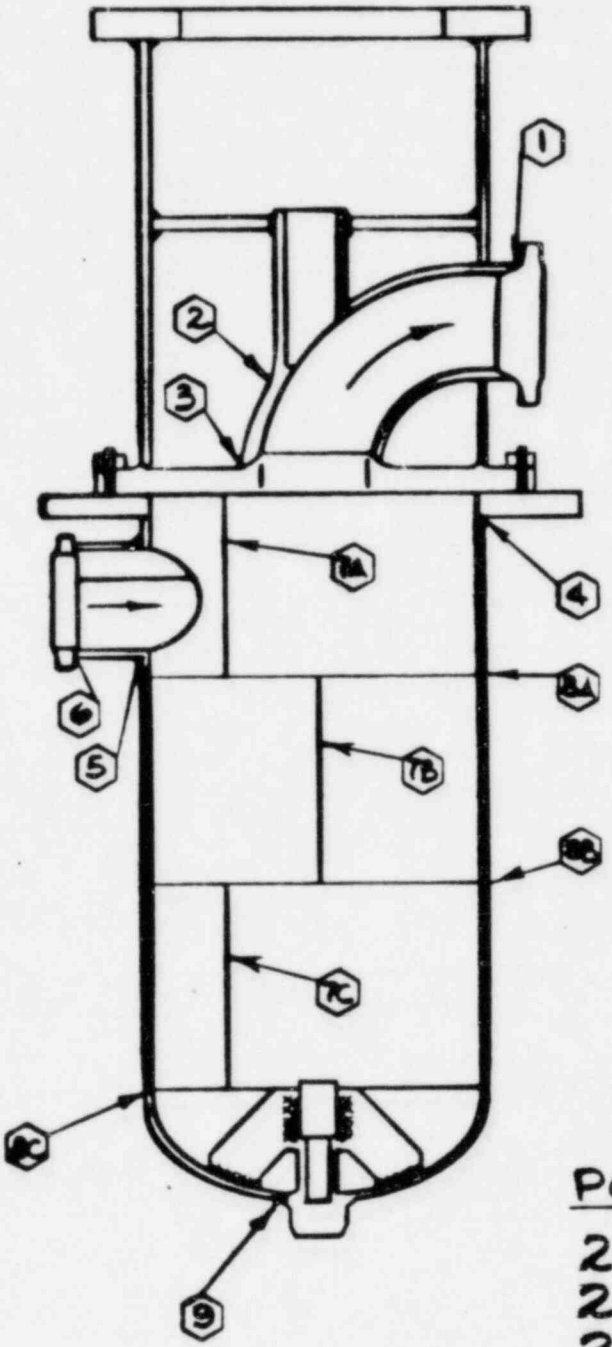
REVISIONS	
2	7-6-81

RCIC PUMP WELDS

MADE BY	APPROVALS		
ISSUED 7-6-81	Gordon Curtis 10-23-82	I&SE OAK BROOK, ILL.	GEL-1107

GENERAL ELECTRIC

GEL-1108



PUMP	LOCATION
2A	G-20
2B	C-15
2C	B-16

ELEV. 673'

REVISIONS
7-2-81

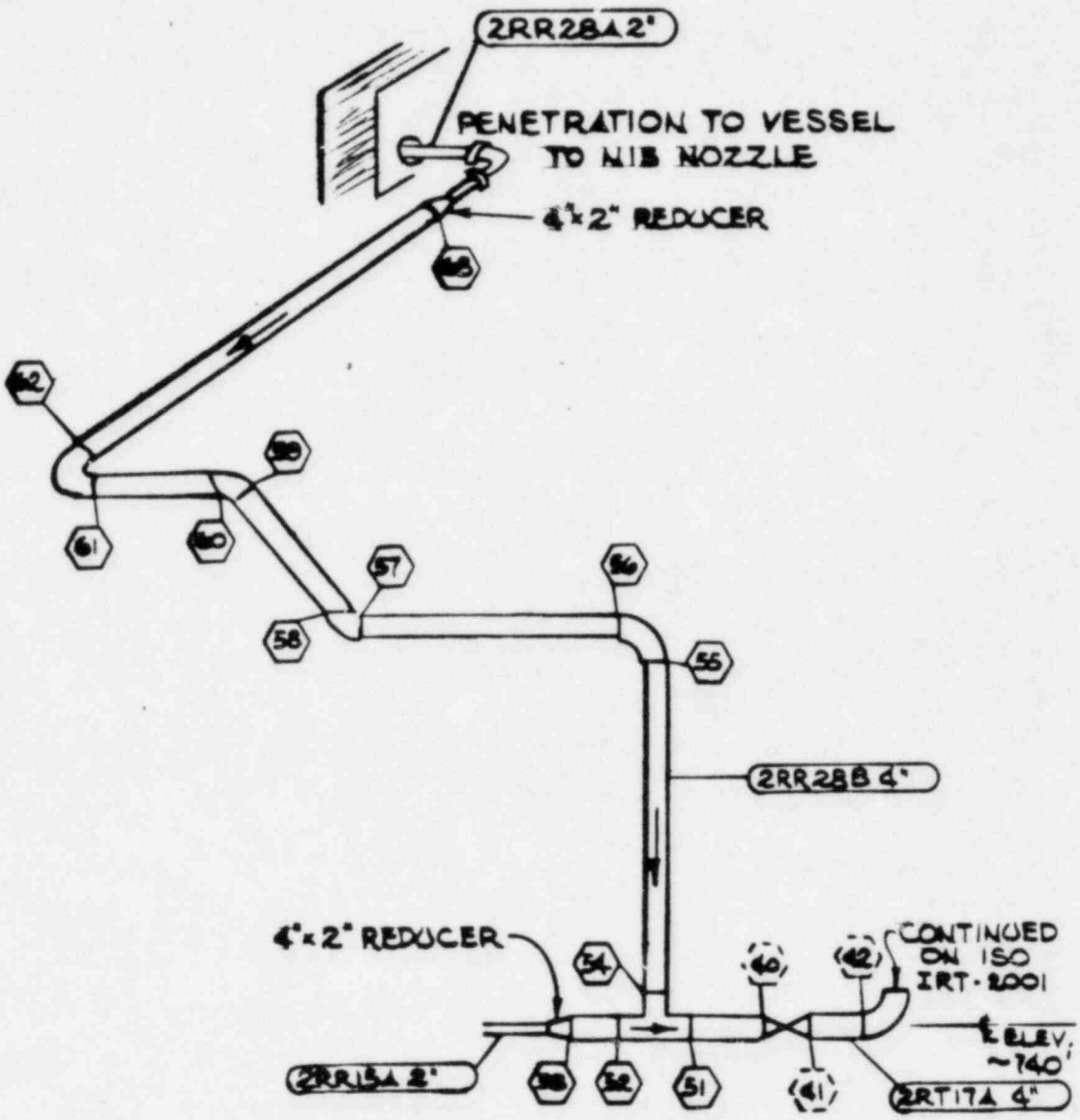
RHR PUMP ASSEMBLY

REF. INSPECTION CHECKLISTS 1RH-PU-2A
1RH-PU-2B
1RH-PU-2C

MADE BY	APPROVALS	I & SE	GEL-1108
ISSUED 7-2-81	10-25-82	OAK BROOK, ILL	

GENERAL ELECTRIC

GEL-1005



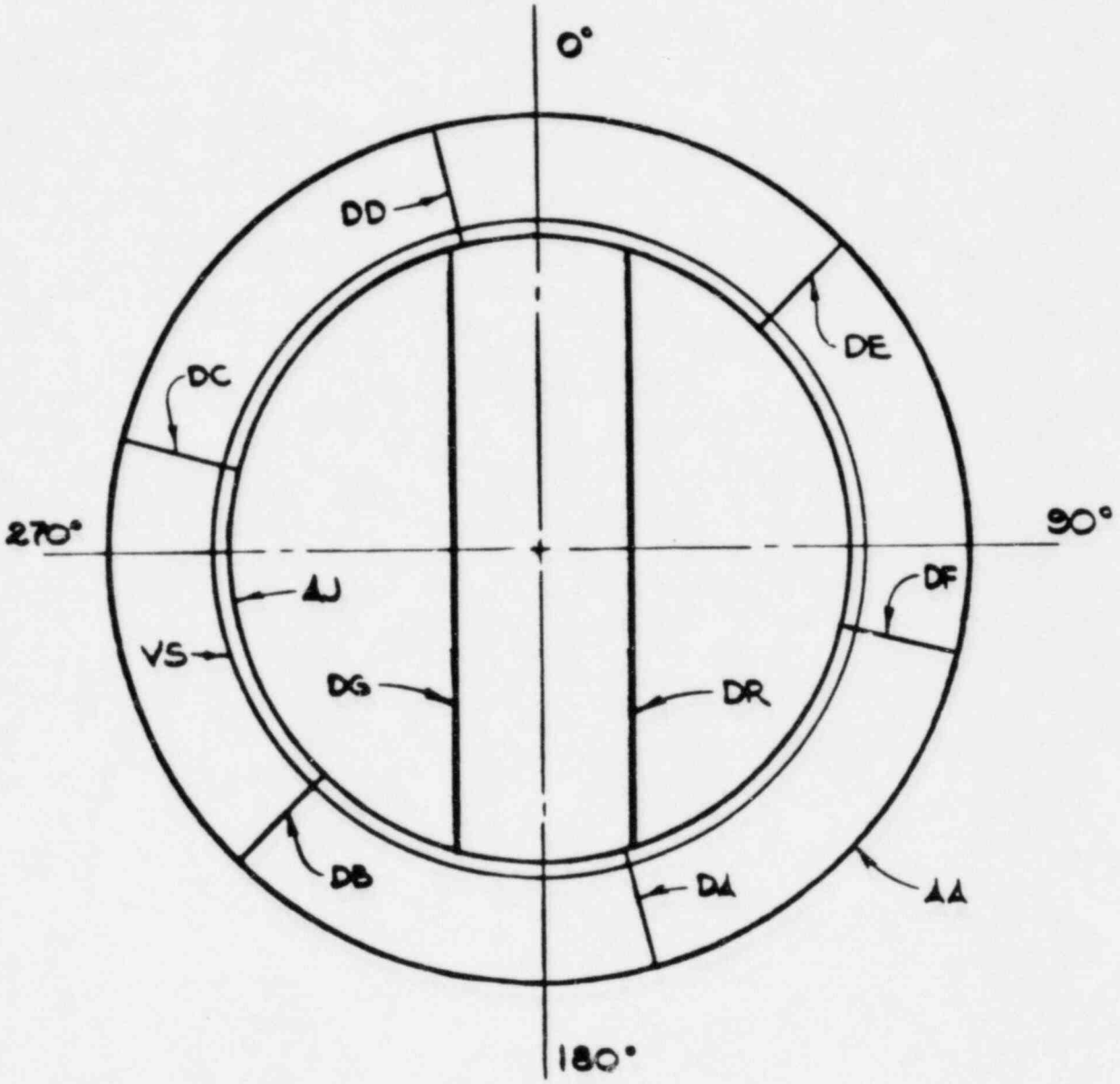
REVISIONS	
0	7-6-81

IRT-2001A

MADE BY [illegible] ISSUED 6 JULY 81	APPROVALS [illegible] 10-23-82	GE IISE DIV. OAK BROOK, ILL.	GEL-1005

GENERAL ELECTRIC

GEL-10061



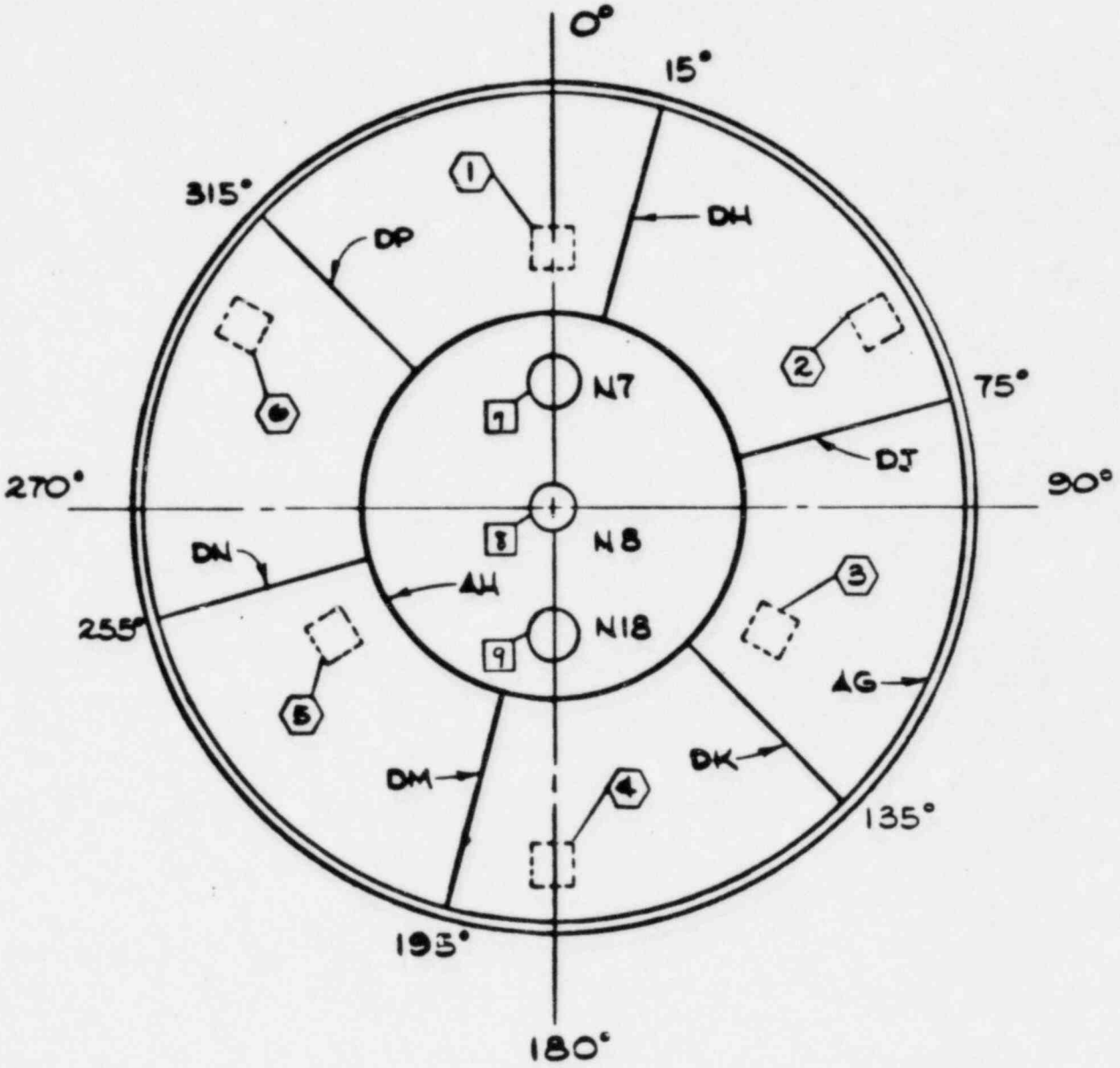
REVISIONS	
7·7·81	

BOTTOM VESSEL HEAD
UNIT 2

MADE BY AAA	APPROVALS	I&SE	GEL-10061
ISSUED 7·7·81	10·25·82	OAK BROOK, ILL.	

GENERAL ELECTRIC

GEL-1060



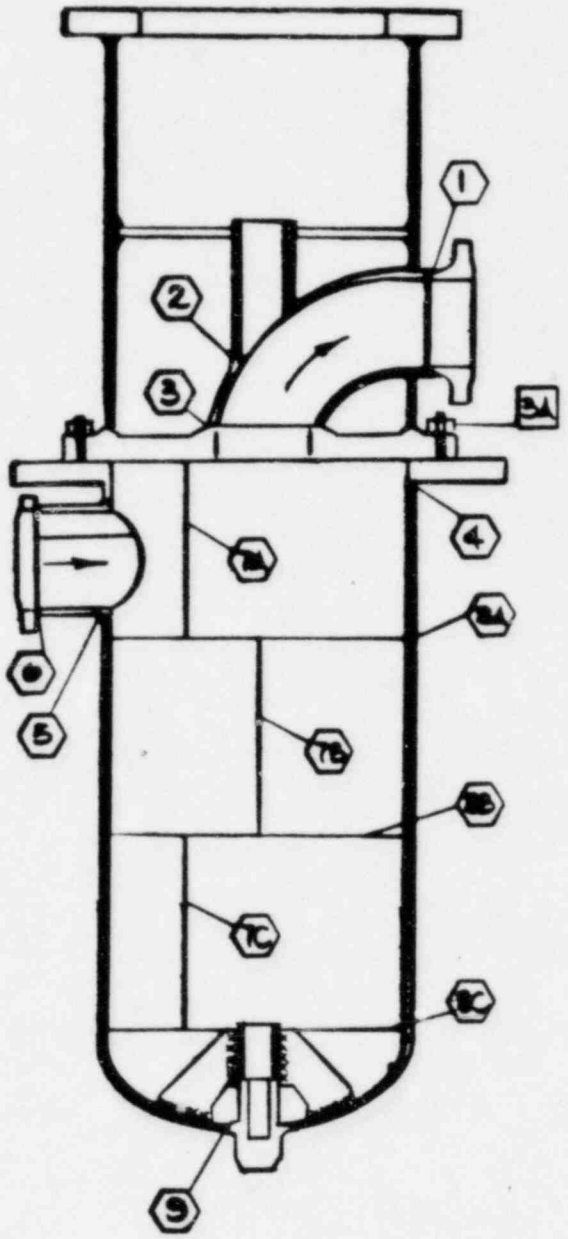
REVISIONS		
0	7-7-81	
1	9-18-81	SOL (NOT FINAL)

TOP VESSEL HEAD
UNIT #2

MADE BY [illegible]	APPROVALS Gordon Craig 10-25-81	G.E. ISE OAK BROOK, ILL.	GEL-1060
ISSUED 7-7-81			

GENERAL ELECTRIC

GEL-2049



REF: IHP-PU2

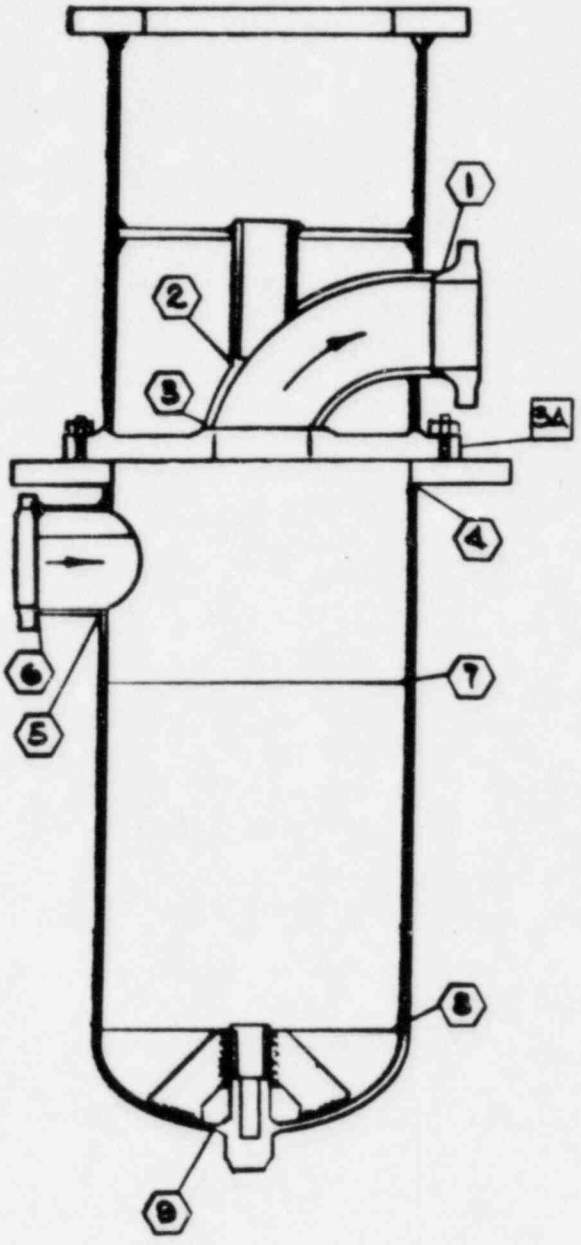
REVISIONS	
0	7-7-81

HP PUMP ASSEMBLY
UNIT 2

DRAWN BY [illegible]	APPROVALS Gordon Craig 10-23-81	GE NSE OAK BROOK, ILL. LOC	GEL-2049
ISSUED 7-7-81			

GENERAL ELECTRIC

GEL-2050



REF: ILP-PU2

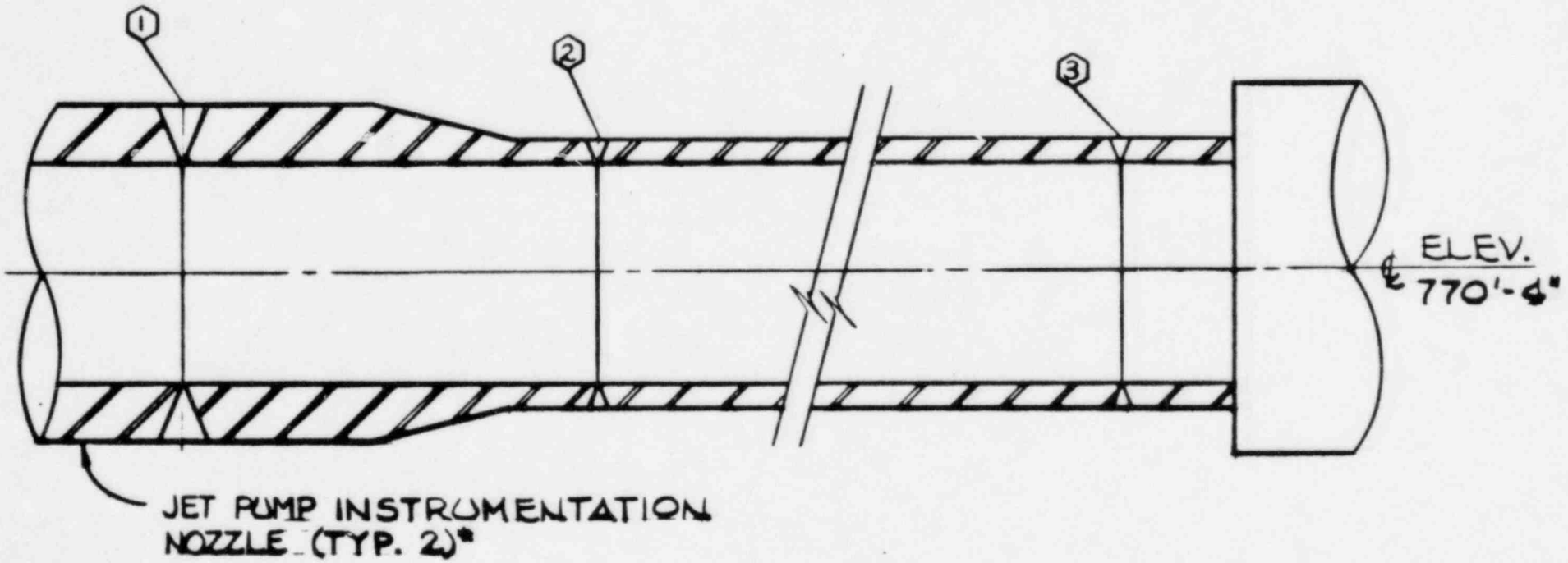
REVISIONS	
0	7-6-81

LP PUMP ASSEMBLY
UNIT 2

DRAWN BY [illegible] CHECKED 7-6-81	APPROVALS [illegible] 10-23-81	GE I & SE DIV [illegible]	GEL-2050

GENERAL ELECTRIC

GEL-1093



* NOTE:
JPI-A → N9-A AZIMUTH 105°
JPI-B → N9-B AZIMUTH 285°

REVISIONS	
1	REDRAWN MM 8-11-80

JET PUMP INSTRUMENTATION LINES:
JPI-A
JPI-B

MADE BY	APPROVALS		
M. WILLIAMS MM	Gordon Cargo 10-25-82	I & SE	GEL-1093
ISSUED 6-26-80 / 8-11-80		OAKBROOK	

GENERAL ELECTRIC

REV NO. 0

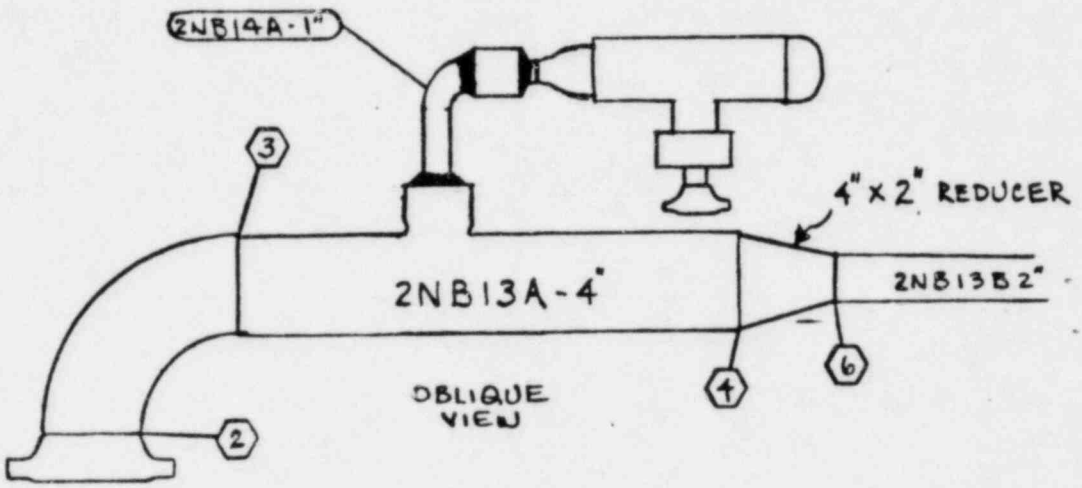
CONT ON SHEET SH NO. 1

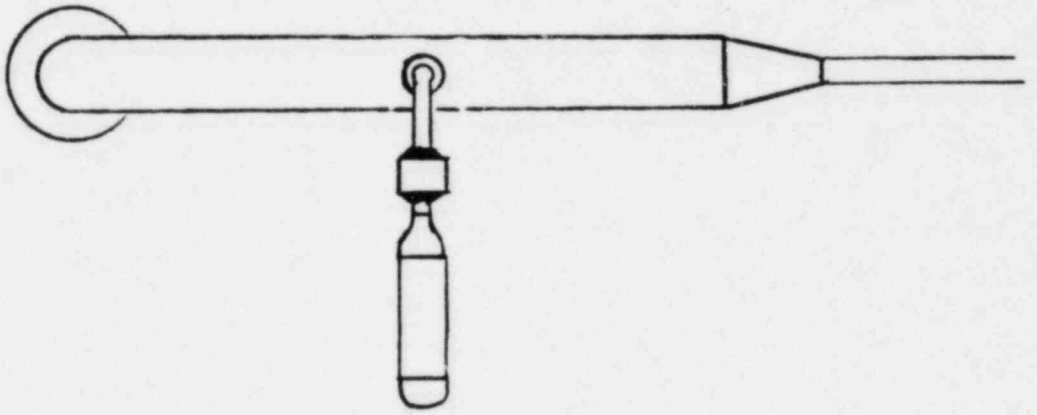
TITLE INB2001

FIRST MADE FOR UNIT #2 LSCS

CONT ON SHEET SH NO. 1

REVISION





TOP VIEW

PRINTS T

MADE BY S.D. CONNELLY

ISSUED 8/19/79

PROPRIETARY 8/14/79 GC R&R 8/15/80

GE 1!5E DIV OR DEPT.

LSCS LOCATION

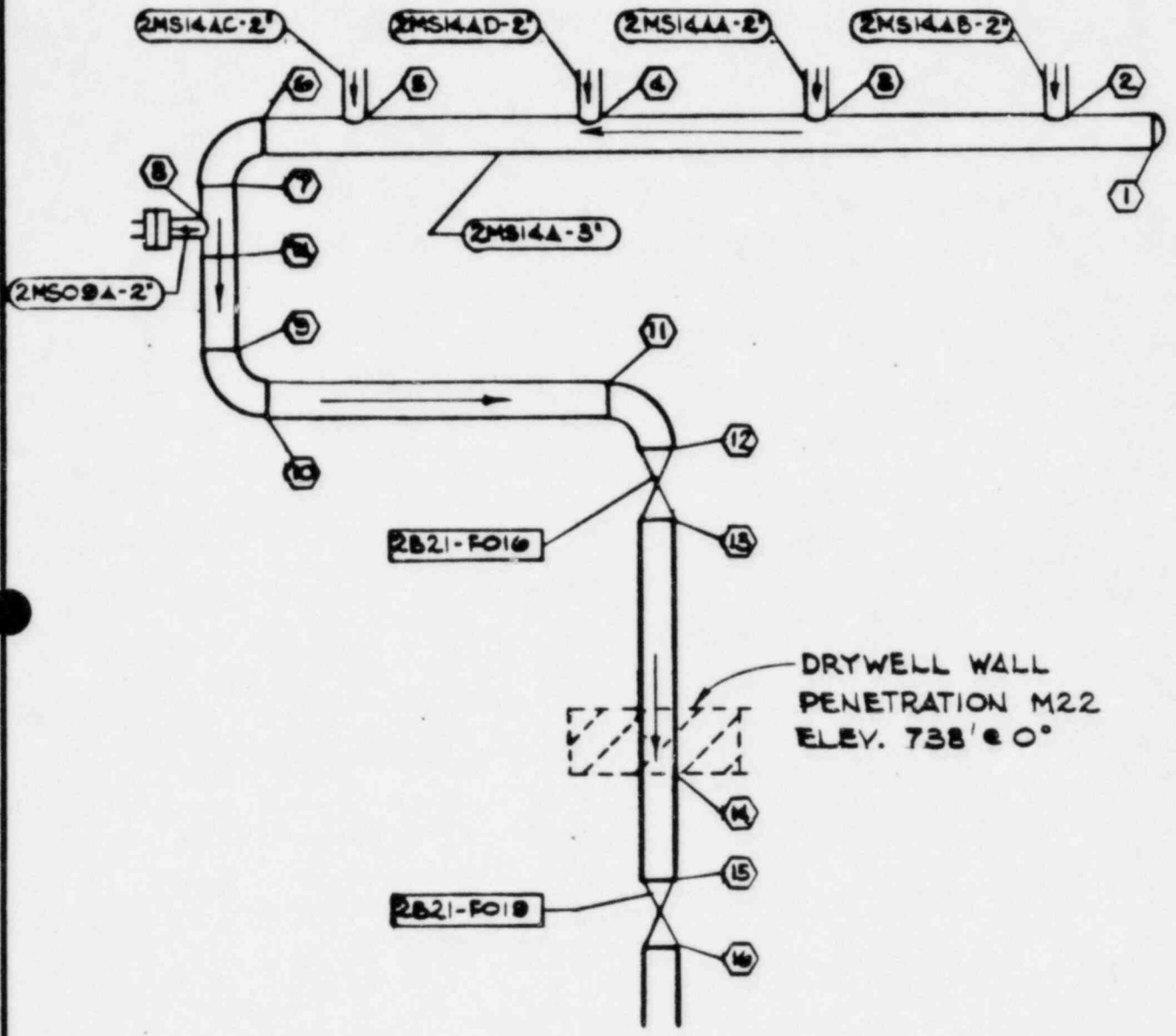
CONT ON SHEET SH NO. 1

CODE IDENT N

FF.803-WA (1-78)
PRINTED IN U.S.A.

GENERAL ELECTRIC

GEL-1106



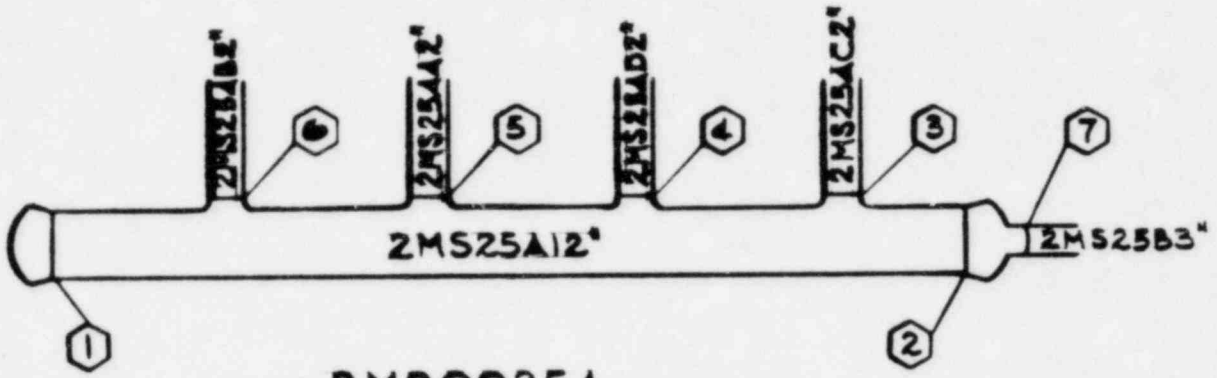
REVISIONS	
7	7-7-81

IMS 2046
MAIN STEAM VALVE DRAIN LINE

MADE BY [illegible] ISSUED 7-7-81	APPROVALS Gordon Craig 10-25-82	I&SE OAK BROOK, ILL.	GEL-1106

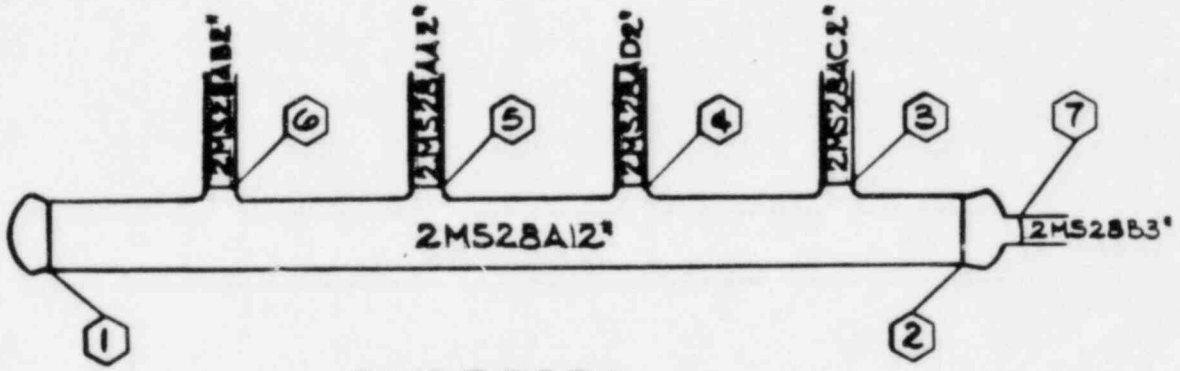
GENERAL ELECTRIC

GEL-1100



2MS0025A

LOCATION -
ELEVATION - 697'-0"
BETWEEN COLUMNS
20 & 21 ; S & R



2MS0028A

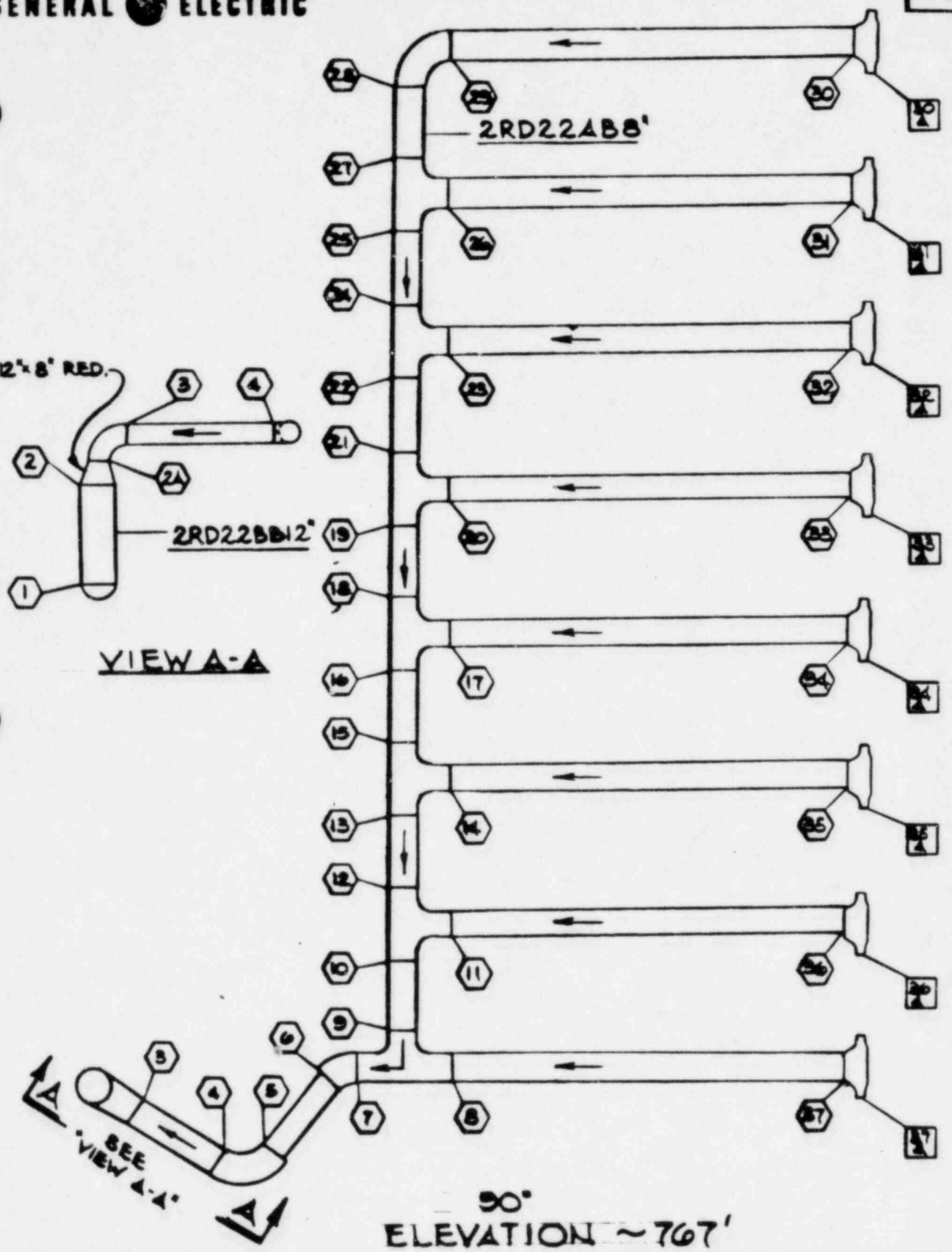
REVISIONS	
1	REDRAWN ASK 8-8-80

MSIV DRAIN LINE HEADERS FOR UNIT #2

DRAWN BY S.D. CONNELLY ISSUED 8-3-79	ASK 8.8.80	APPROVALS Gordon Young 10-25-82	I & SE OAKBROOK	GEL-1100

GENERAL ELECTRIC

GEL-1112



ELEVATION ~767'

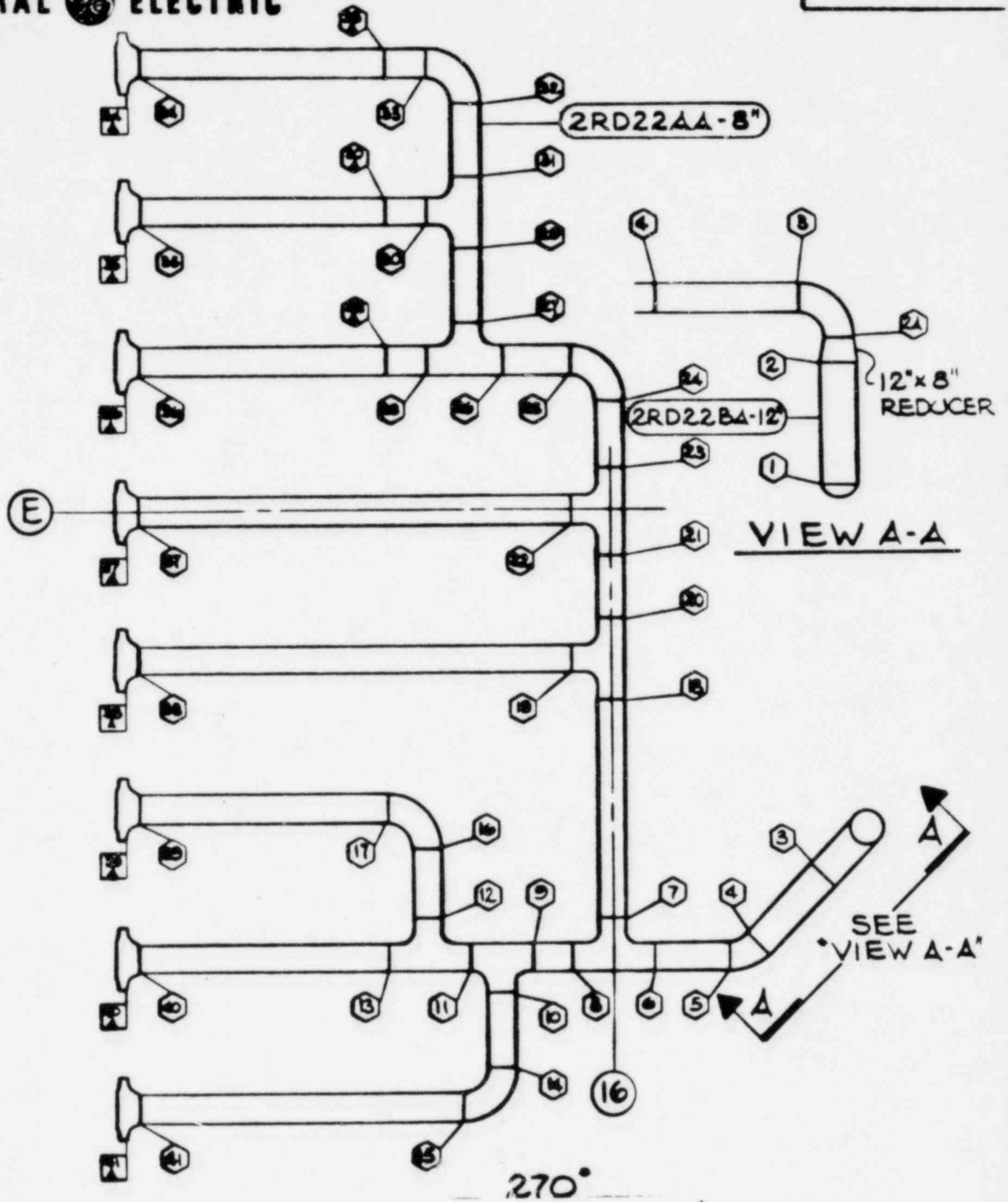
REVISIONS
7-2-81

2RD0022-1 @ 90°
LSCS SCRAM DISCHARGE HEADER

DRAWN BY NAA	APPROVALS Gordon Ewing 10-25-82	G.E. ISE OAK BROOK, ILL.	BY DOT USE	GEL-1112
ISSUED 7-2-81				

GENERAL ELECTRIC

GEL-1105



ELEVATION ~ 767'

REVISIONS					
0					
1	ADD 28A, 30A	ADA	9-12-80		

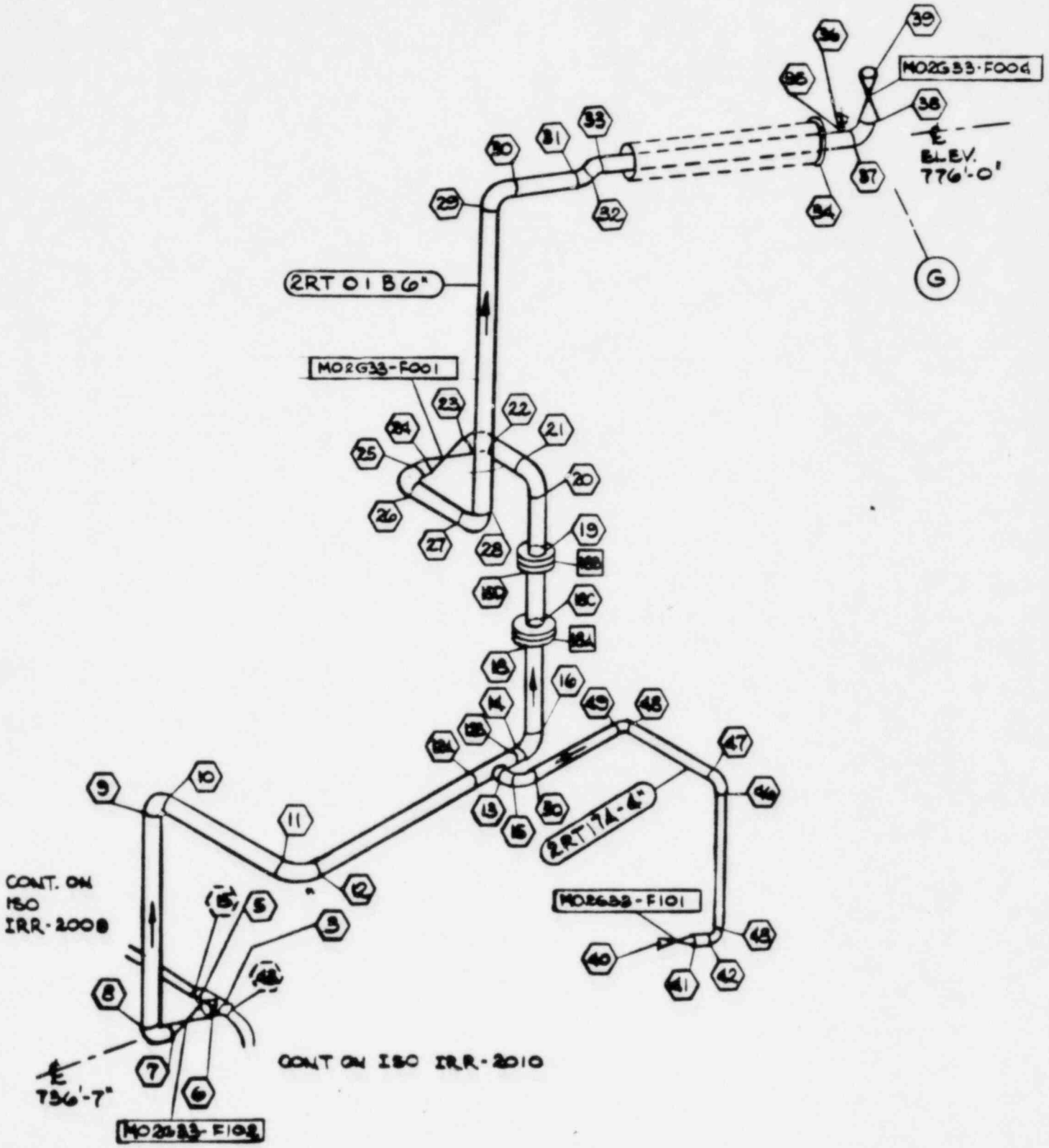
2RD0022-2 @ 270°

LSCS SCRAM DISCHARGE HEADER

MADE BY		APPROVALS	I&SE	GEL-1105
R. D. CONNELLY	ADA	Gordon Curtis 10-25-82	OAKBROOK	
ISSUED	8-8-80			

GENERAL ELECTRIC

GEL-1110



REVISIONS	
0	7-2-81

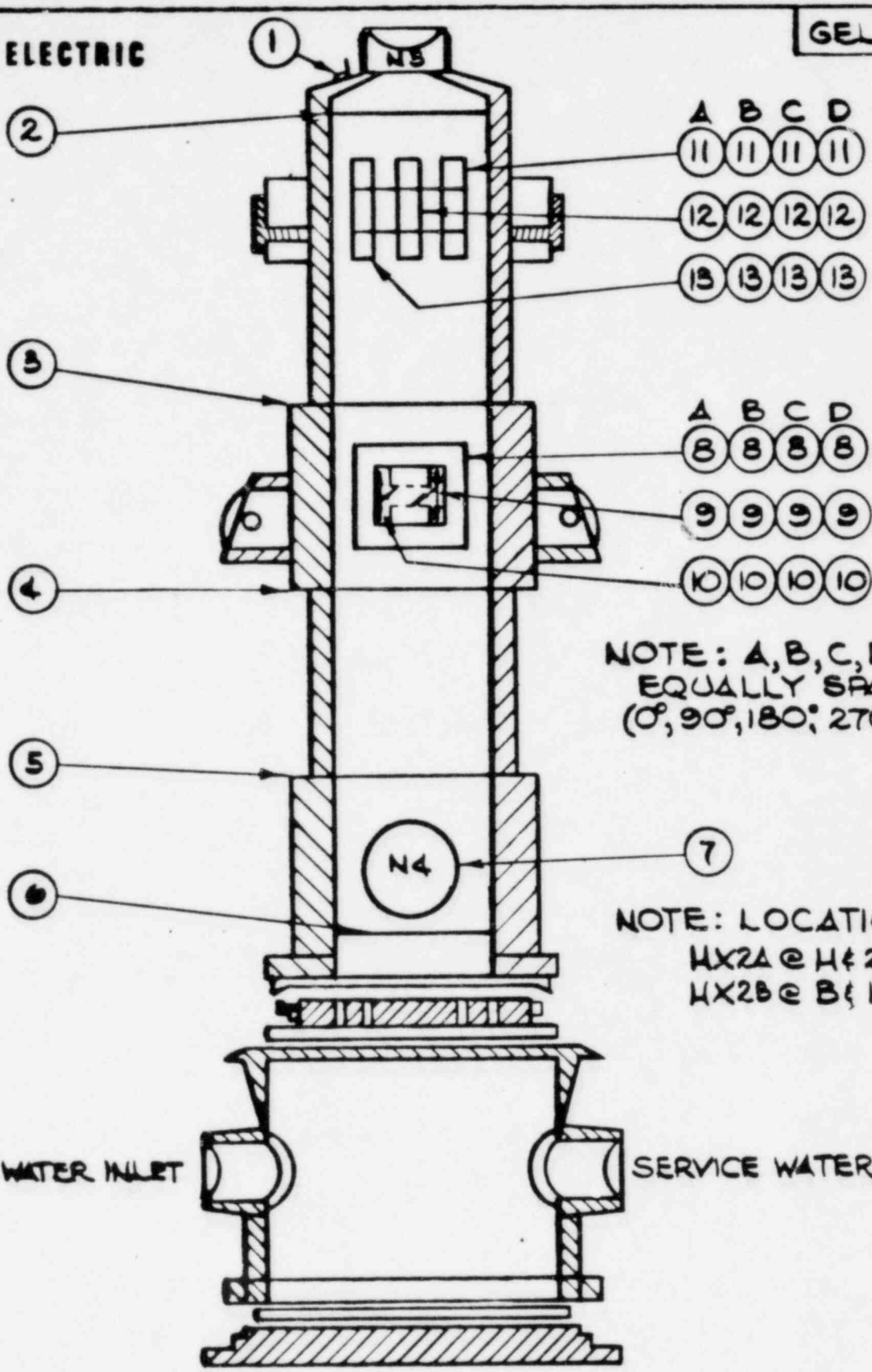
IRT-2001

REACTOR WATER CLEAN-UP SYSTEM

MADE BY	APPROVED	G.E. I&SE	GEL-1110
ISSUED 7-2-81	7/16/81	OAK BROOK, ILL.	

GENERAL ELECTRIC

GEL-1111



NOTE: A, B, C, D ARE EQUALLY SPACED (0°, 90°, 180°, 270°)

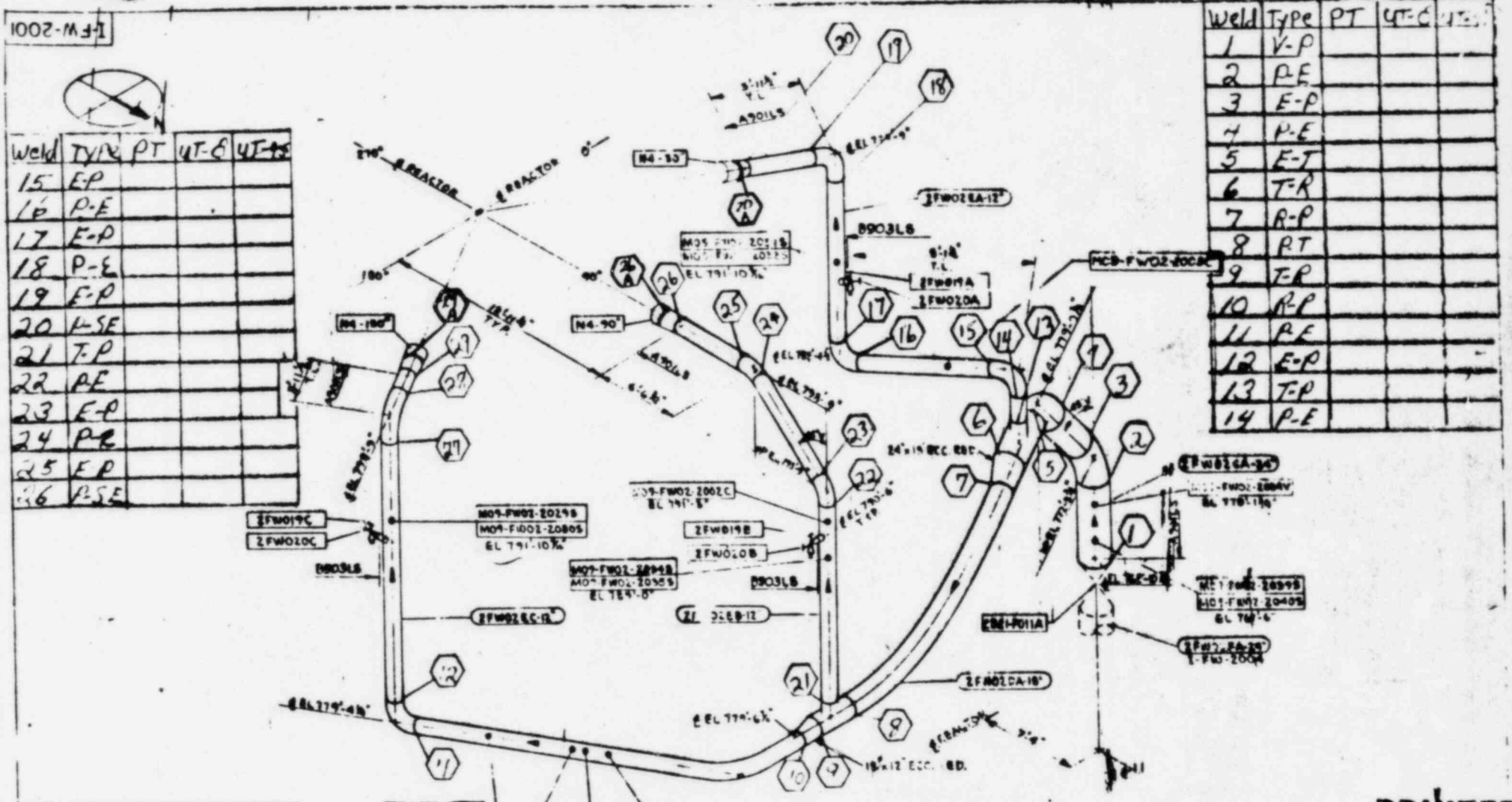
NOTE: LOCATION
HX2A @ H¢ 20.5
HX2B @ B¢ 16

REVISIONS	
1	7-6-81

1RH-HX2A,2B
RHR HEAT EXCHANGERS

DRAWN BY ASA 7-6-81	APPROVALS Gordon Craig 10-23-81	IISE OAK BROOK, ILL.	BY	GEL-1111

1-FW-2001


N
2FW019A
2FW020A
2FW019B
2FW020B
2FW019C
2FW020C
B903LB
M09-FW01-20298
M09-FW01-20805
M09-FW01-20299
M09-FW01-20806
M09-FW02-20621
M09-FW02-20622
M09-FW02-20623
M09-FW02-20624
M09-FW02-20625
M09-FW02-20626
M09-FW02-20627
M09-FW02-20628
M09-FW02-20629
M09-FW02-20630
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M09-FW02-20632
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M09-FW02-20654
M09-FW02-20655
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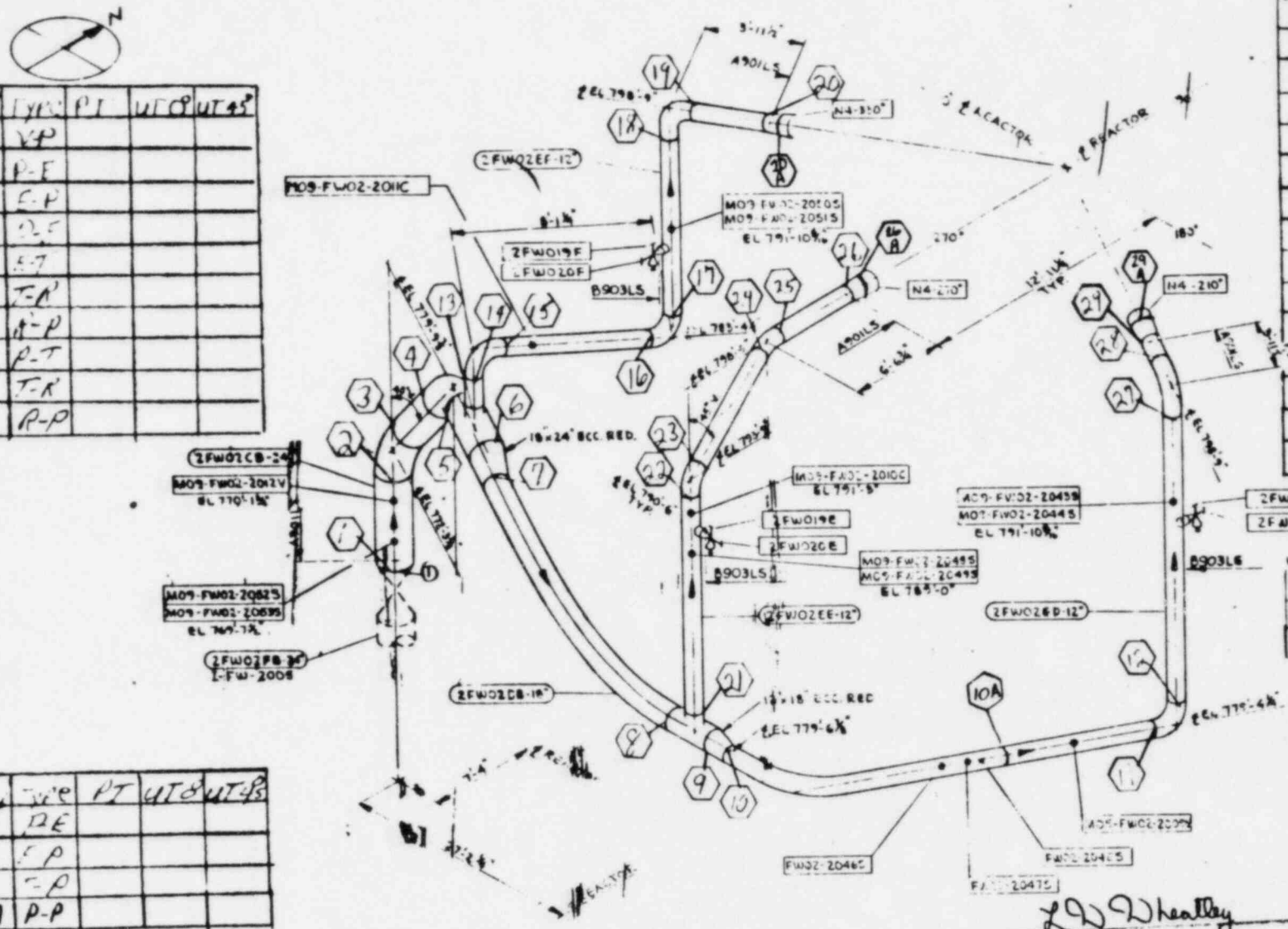
M09-FW02-20658
M09-FW02-20659
M09-FW02-20660

I-FW-2002



Weld	Type	PT	UT 0°	UT 45°
1	V-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			
6	P-E			
7	E-P			
8	P-E			
9	E-P			
10	P-P			

Weld	Type	PT	UT 0°	UT 45°
14	P-E			
15	E-P			
16	P-E			
17	E-P			
18	P-E			
19	E-P			
20	P-SE			
21	T-P			
22	P-T			
23	E-P			
24	P-E			
25	E-P			
26	P-SE			
27	V-P			
28	E-P			
29	P-SE			

Weld	Type	PT	UT 0°	UT 45°
20A	SE-N			
26A	P-N			
29A	SE-N			

PRINTED
APR 2 1979

L W Wheatley 9/25/80
Quality Assurance Approval Date

MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. PSI Rev. 2 Changes: UT CAL. STD for 20A,26A,29A,to 01-16-02
ASME Cat.: B-J
Procedures: UT #1 REv. 6 PT #2 REv. 7
UT CAL. STD.: 01-24-04 welds 1,2,3,4,5,6; 01-18-02 welds 7,8,9;
01-16-02 welds 20A,26A,29A; all other welds 01-12-02

REVISIONS

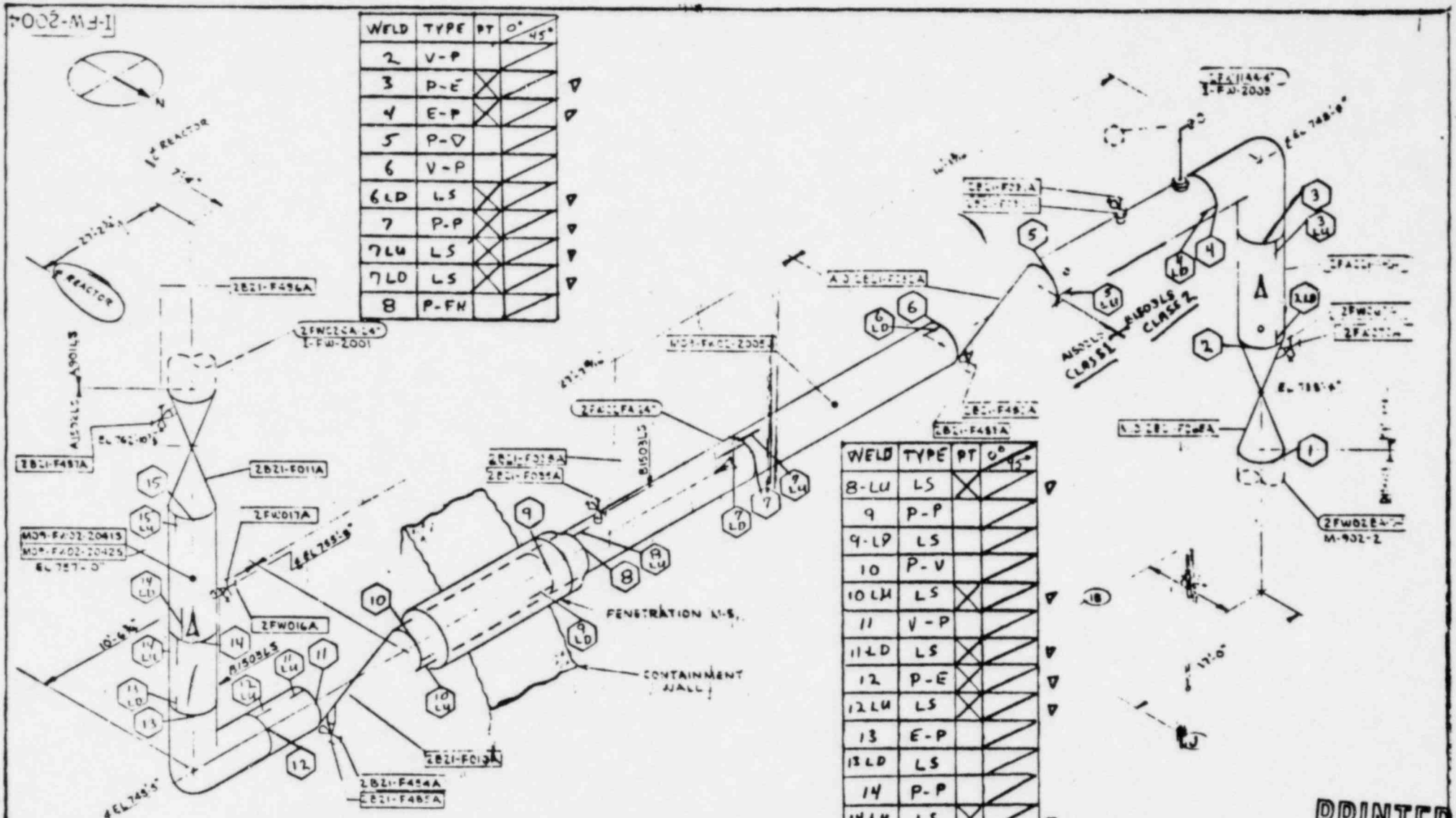
MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
FEEDWATER

I-FW-2002

SHEET 1

I-FW-2004



WELD	TYPE	PT	0° / 45°
2	V-P		
3	P-E		
4	E-P		
5	P-V		
6	V-P		
6 LD	LS		
7	P-P		
7 LH	LS		
7 LD	LS		
8	P-FH		

WELD	TYPE	PT	0° / 45°
8-LH	LS		
9	P-P		
9-LD	LS		
10	P-V		
10 LH	LS		
11	V-P		
11 LD	LS		
12	P-E		
12 LH	LS		
13	E-P		
13 LD	LS		
14	P-P		
14 LH	LS		
14 LD	LS		
15	P-V		
15 LH	LS		

L W Wheatley — 5/30/79
Quality Assurance Approval — Date

PRINTED
APR 18 19[illegible]
MORRISON HAMMOND, INDIANA ENG. DEPT.

G.E. PSI. REV. 0. ADD ALL WELD NUMBERS; 7, 7LH, 7LD; 14, 14LH, 14 LD; 5/17/79
REV. 1. CHANGES NOTED BY "D". 5/30/79.

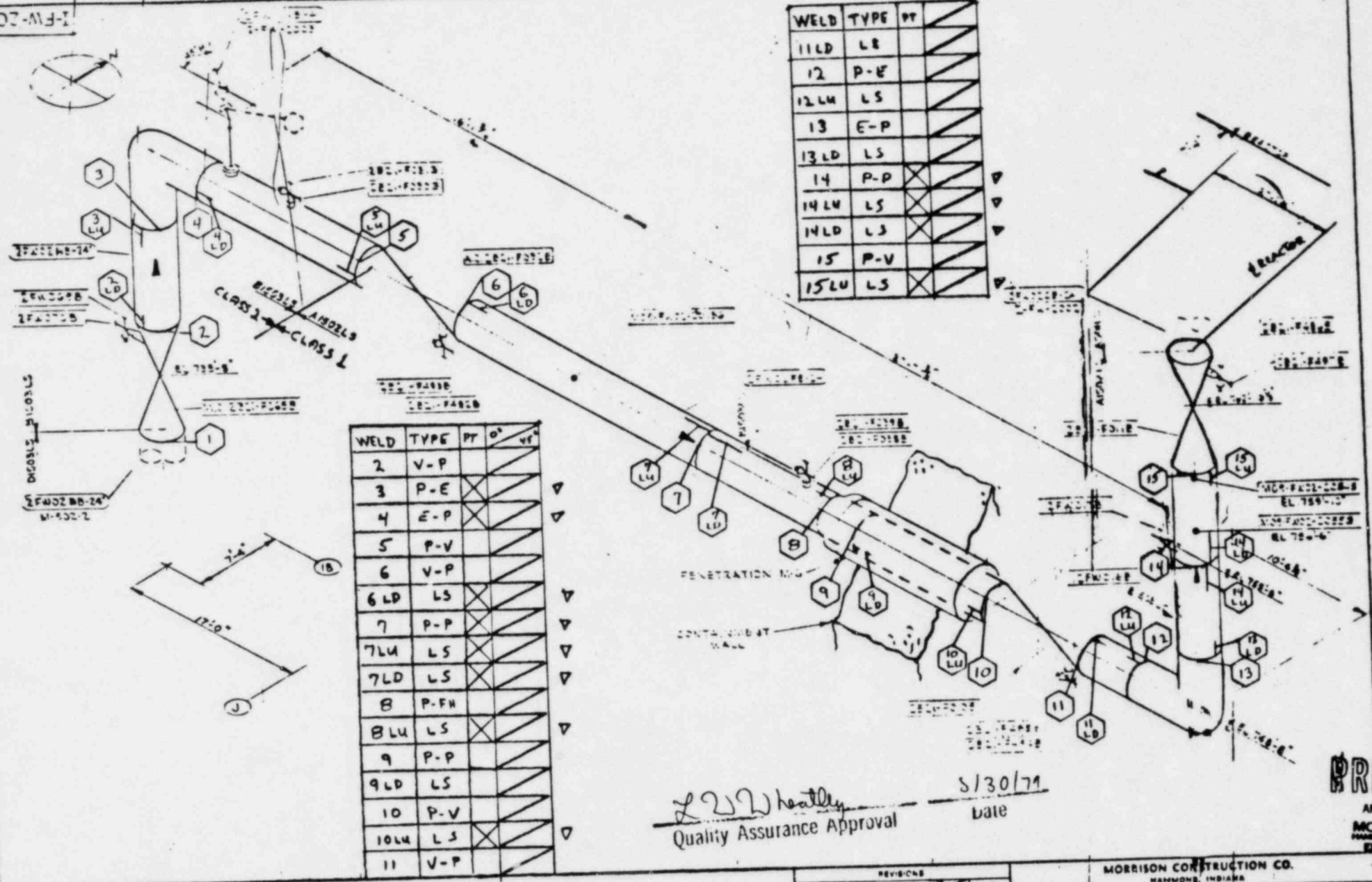
PROCEDURES: PT. 2 REV 5; UT #1 REV 4.
U.T. CAL STD: 01-24-05

REVISIONS

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
IN-SERVICE INSPECTION
FEEDWATER

DRAWING I-FW-2004



WELD	TYPE	PT	
11LD	LS		
12	P-E		
12LW	LS		
13	E-P		
13LD	LS		
14	P-P	X	
14LW	LS	X	
14LD	LS	X	
15	P-V		
15LW	LS		

WELD	TYPE	PT	0°	VT
2	V-P			
3	P-E	X		
4	E-P	X		
5	P-V			
6	V-P			
6LD	LS	X		
7	P-P	X		
7LW	LS	X		
7LD	LS	X		
8	P-FH			
8LW	LS	X		
9	P-P			
9LD	LS			
10	P-V			
10LW	LS	X		
11	V-P			

L W Heatley — 5/30/71
Quality Assurance Approval — Date

PRINTED
APR 1 2 19
MORRISON
ENG. DEPT.

G.E. P.S.I. REV. 0 ADD: ALL WELD NUMBERS; 7, 7LW, 7LD; 14, 14LW, 14LD 5/19/79
REV. 1. CHANGES NOTED BY "D" 5/30/79

PROCEDURES: PT #2 REV. 5; UT #1 REV. 4.
U.T. CAL STD: 01-24-05

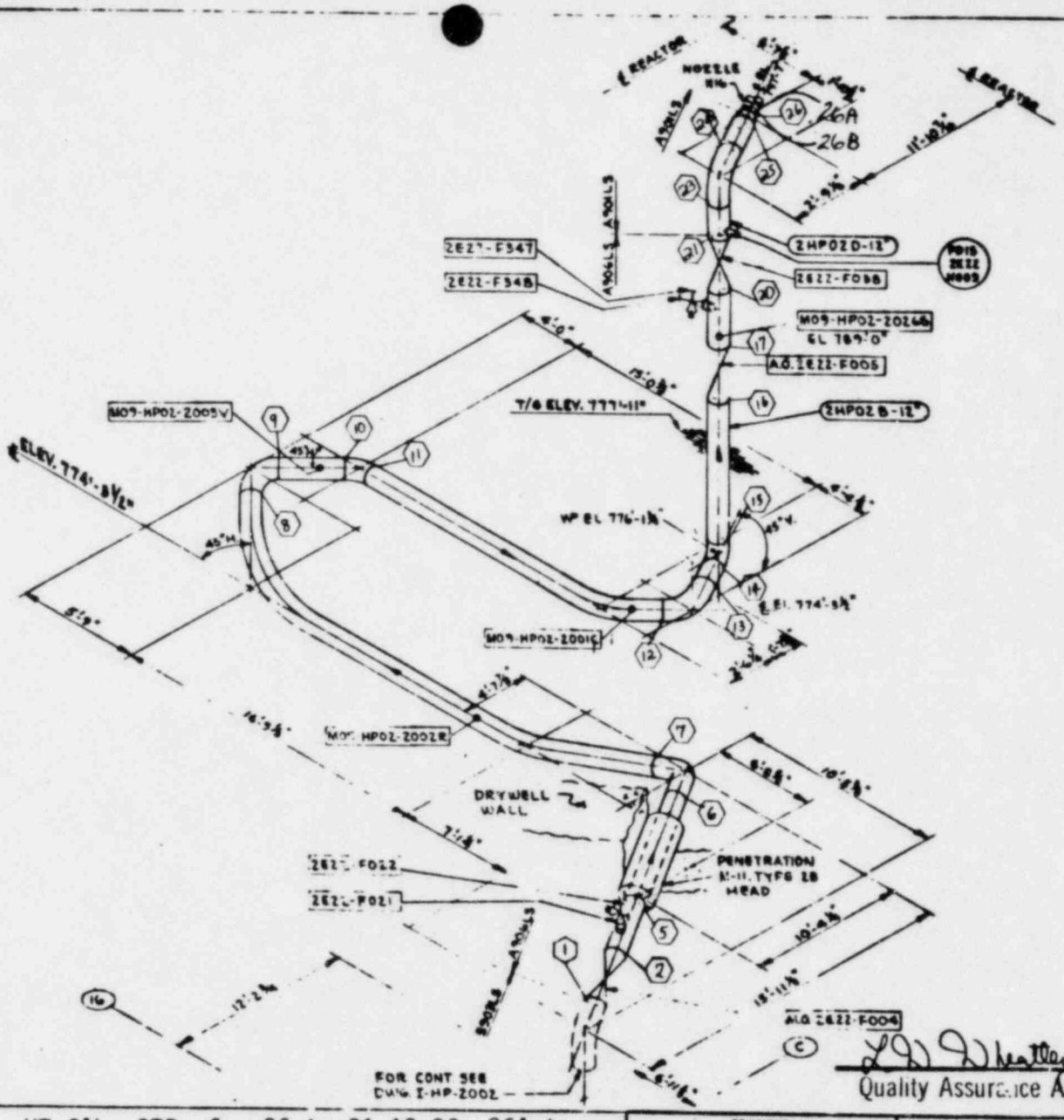
REVISIONS

MORRISON CONSTRUCTION CO.
MADISON, INDIANA

I-FW-2005

1002-d

WELD	TYPE	PT	0°	45°
1	E-V			
2	V-P			
5	P-CP			
'	P ~			
7	E-P			
8	P-E			
9	E-P			
10	P-E			
11	E-P			
12	P-E			
13	E-P			
14	P-E			
15	E-P			
16	P-V			
17	V-P			
20	P-V			
21	V-P			
23	P-E			
24	E-P			
25	P-R			
26	R-EX			
26B	EX-SE			
26A	SE-N			



PRINTED MAY 0 4 1971 MORRISON ENGINEERING DEPT.

Quality Assurance Approval — Date 9/25/80

G.E. PSI Rev. 1 Changes: UT CAL. STD. for 26 to 01-10-03; 26A to 01-70-02; and 26B to 01-71-01

ASME Cat.: B-J, B-K-1 as noted

Procedures: UT #1 Rev. 6; PT #2 Rev. 7

UT Cal. Std.: 01-12-02 welds 21,23,24,25; 01-10-03 weld 26; 01-70-02 weld 26A; 01-71-01 weld 26B; all other 01-12-03

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		5-4-79

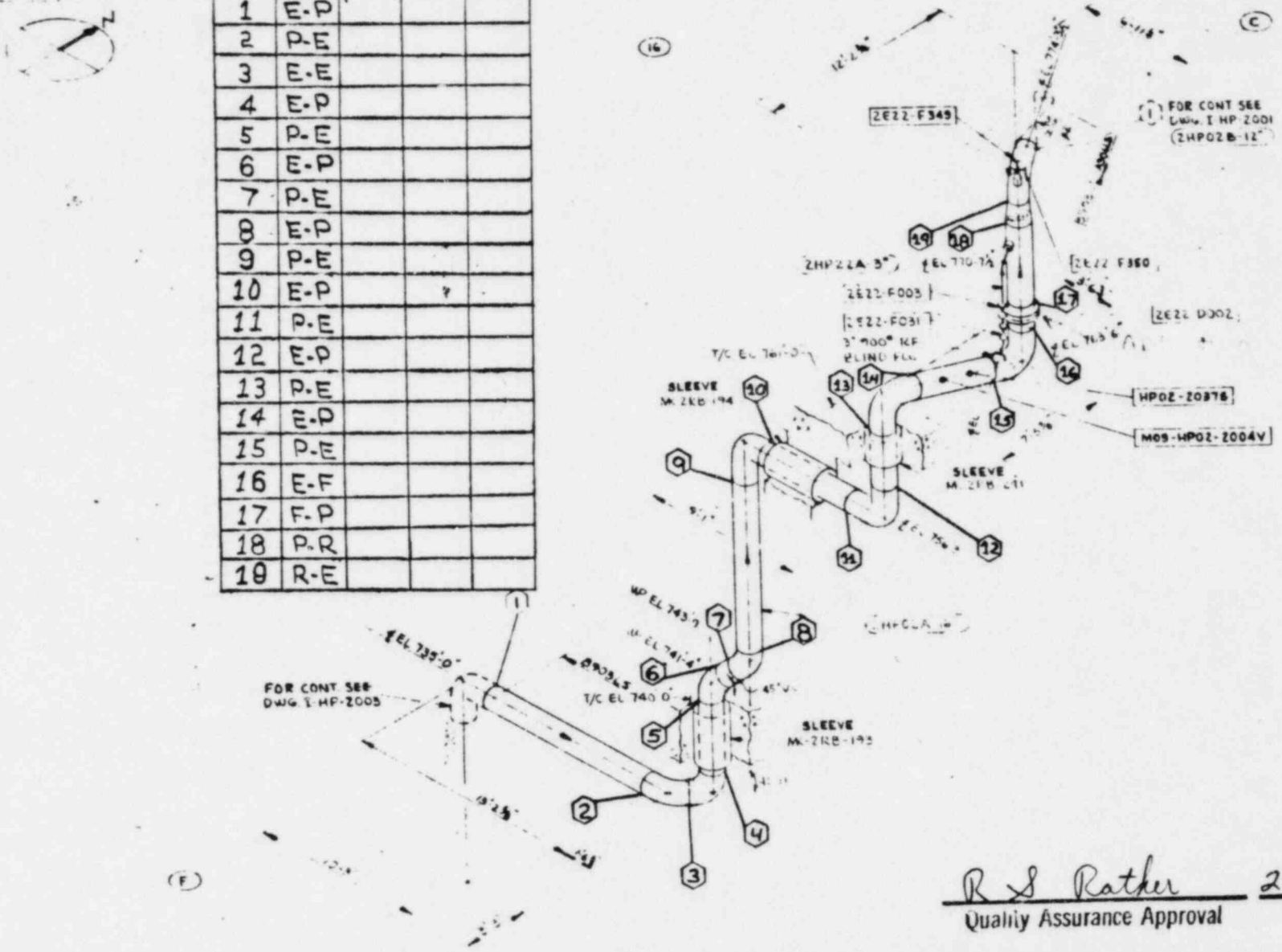
MORRISON CONSTRUCTION CO.

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

IHP2001

I-HP-2002

WELD	TYPE	PT	0°	45°
1	E-P			
2	P-E			
3	E-E			
4	E-P			
5	P-E			
6	E-P			
7	P-E			
8	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P			
13	P-E			
14	E-P			
15	P-E			
16	E-F			
17	F-P			
18	P-R			
19	R-E			



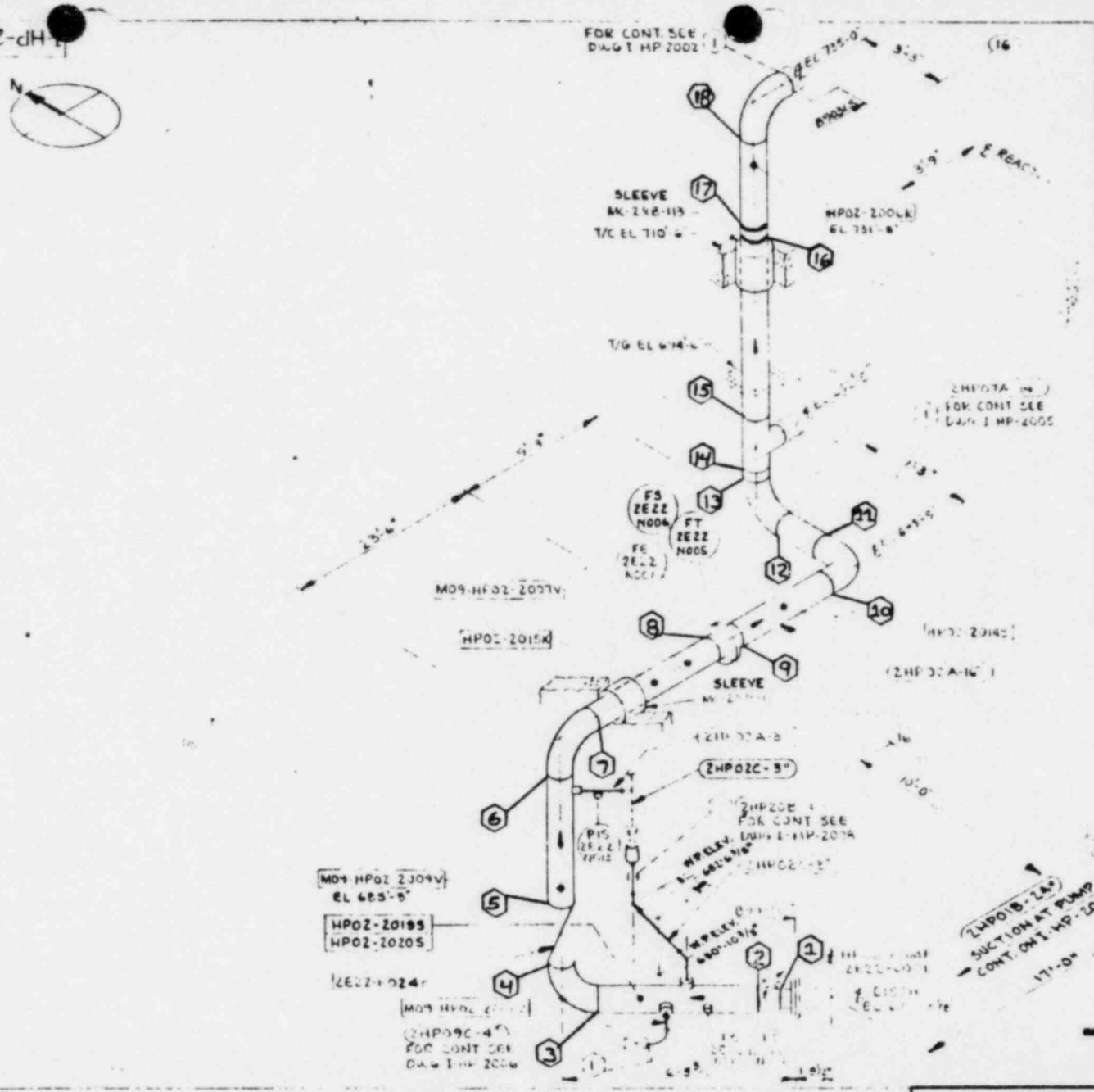
R S Rather — Quality Assurance Approval

2-21-80 — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: weld 19, 01-12-04; all other welds 01-16-02

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1
INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY
I-HP-2002

I-HP-2003



WELD	TYPE	PT	0°	45
1	F-R			
2	R-P			
3	P-E			
4	E-V			
5	V-P			
6	P-E			
7	E-P			
8	P-F			
9	F-P			
10	P-E			
11	E-P			
12	P-E			
13	E-P			
14	P-T			
15	T-P			
16	P-P			
17	P-P			
18	P-E			

R. S. Rather
Quality Assurance Approval

2-22-80
Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: weld 1, 01-12-04; all other welds 01-16-02

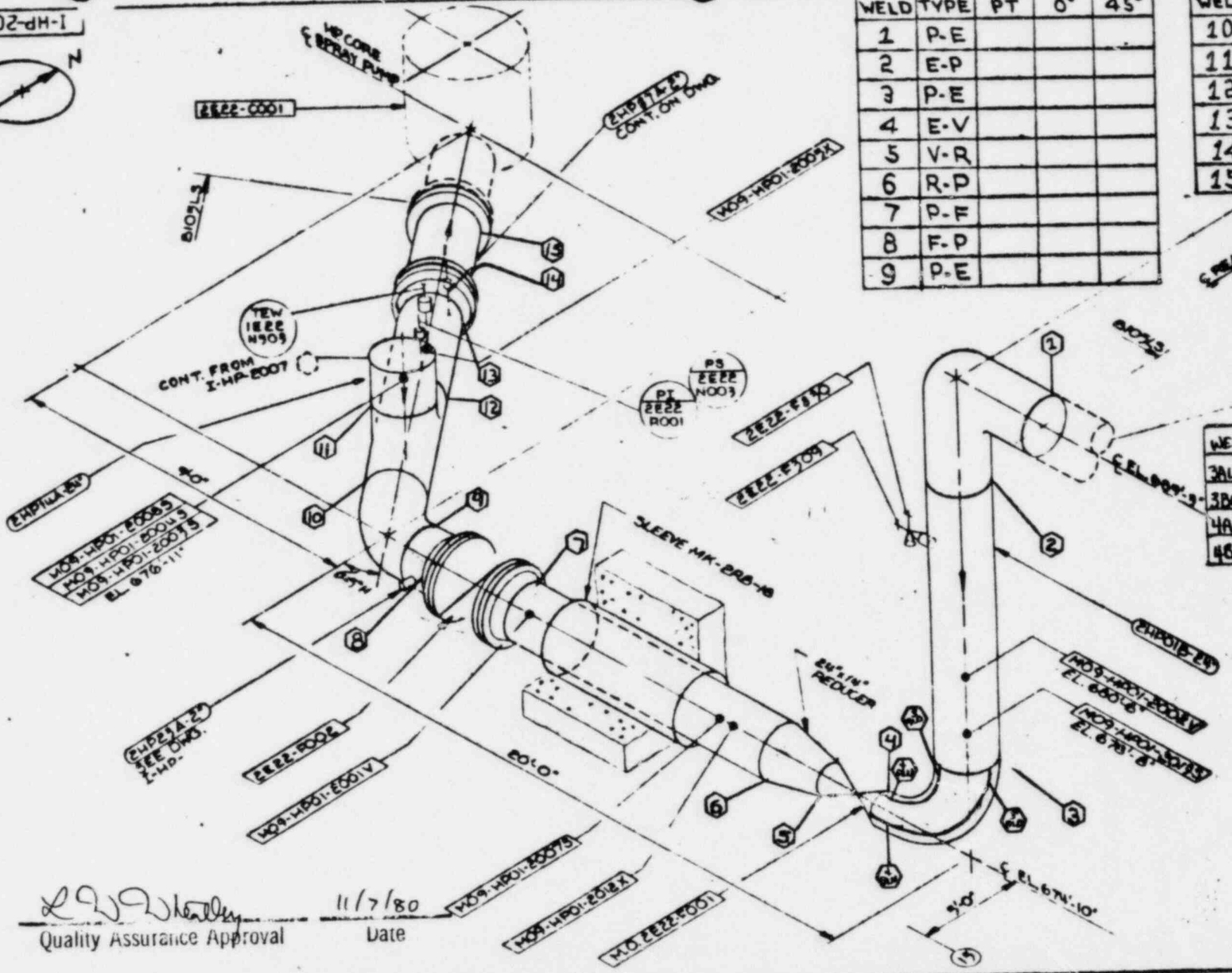
REVISIONS			
REV			DATE
0	PRELIMINARY		5-4-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 3466 Pg 004 000 007
CRM 2-26-80
TSI BASED ON ASME SECT XI
MCC2* TSI-QL-12304
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY
I-HP-2003

SHEET 1

I-HP-2004



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
3	P-E			
4	E-V			
5	V-R			
6	R-P			
7	P-F			
8	F-P			
9	P-E			

WELD	TYPE		0°	45°
10	E-T			
11	P-T			
12	T-P			
13	P-F			
14	F-P			
15	P-F			

WELD	TYPE	PT	0°	45°
3ALD	IALS			
3BLD	OALS			
4ALU	IALS			
4BLU	OALS			

Quality Assurance Approval — Date: 11/7/80

G.E.PSI Rev. 1 Changes: Added long seams to reducing el.
ASME Cat.: C-F
Procedures: UT #1 Rev. 6: PT #2 Rev.7
Cal. Std.: 01-14-01 welds 4,5,4ALU,4BLU,3ALD,3BLD; 01-24-03 all other welds.

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		5-4-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

TEST BASED ON ASME SECTION XI
MC-01-SI-01-122/H

Drawn: AYH

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

I-HP-2004

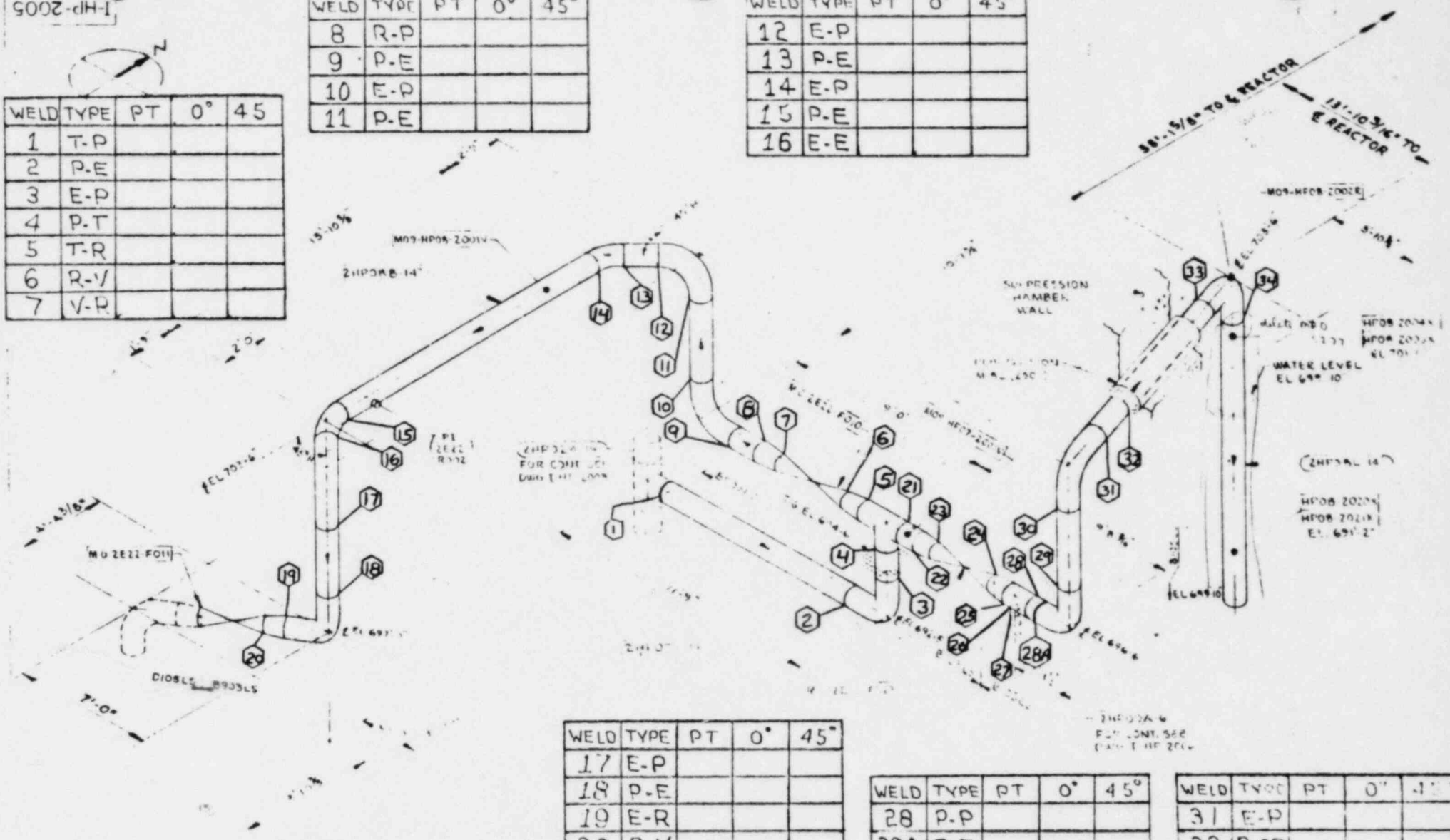
SHEET 1

I-HP-2005

WELD	TYPE	PT	0°	45
1	T-P			
2	P-E			
3	E-P			
4	P-T			
5	T-R			
6	R-V			
7	V-R			

WELD	TYPE	PT	0°	45°
8	R-P			
9	P-E			
10	E-P			
11	P-E			

WELD	TYPE	PT	0°	45°
12	E-P			
13	P-E			
14	E-P			
15	P-E			
16	E-E			



WELD	TYPE	PT	0°	45°
17	E-P			
18	P-E			
19	E-R			
20	R-V			
21	T-P			
22	P-R			
23	R-V			
24	V-R			
25	R-P			
26	P-W			
27	W-R			

WELD	TYPE	PT	0°	45°
28	P-P			
28A	P-E			
29	E-P			
30	P-E			

WELD	TYPE	PT	0°	45°
31	E-P			
32	P-E			
33	P-E			
34	E-P			

R S Mathis 2/25/80
Quality Assurance Approval Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev.6
Cal. Std.: welds6,7,20,01-10-01; weld 23,01-12-04; weld 24, 01-12-05; welds 25,26, 28,28A, 29,30,31,32,33,34,01-14-01; others weld 01-14-02; weld 27, 01-06-01

REVISIONS

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

ISI BASED ON ASME SECT XI
MSS-SP-55

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

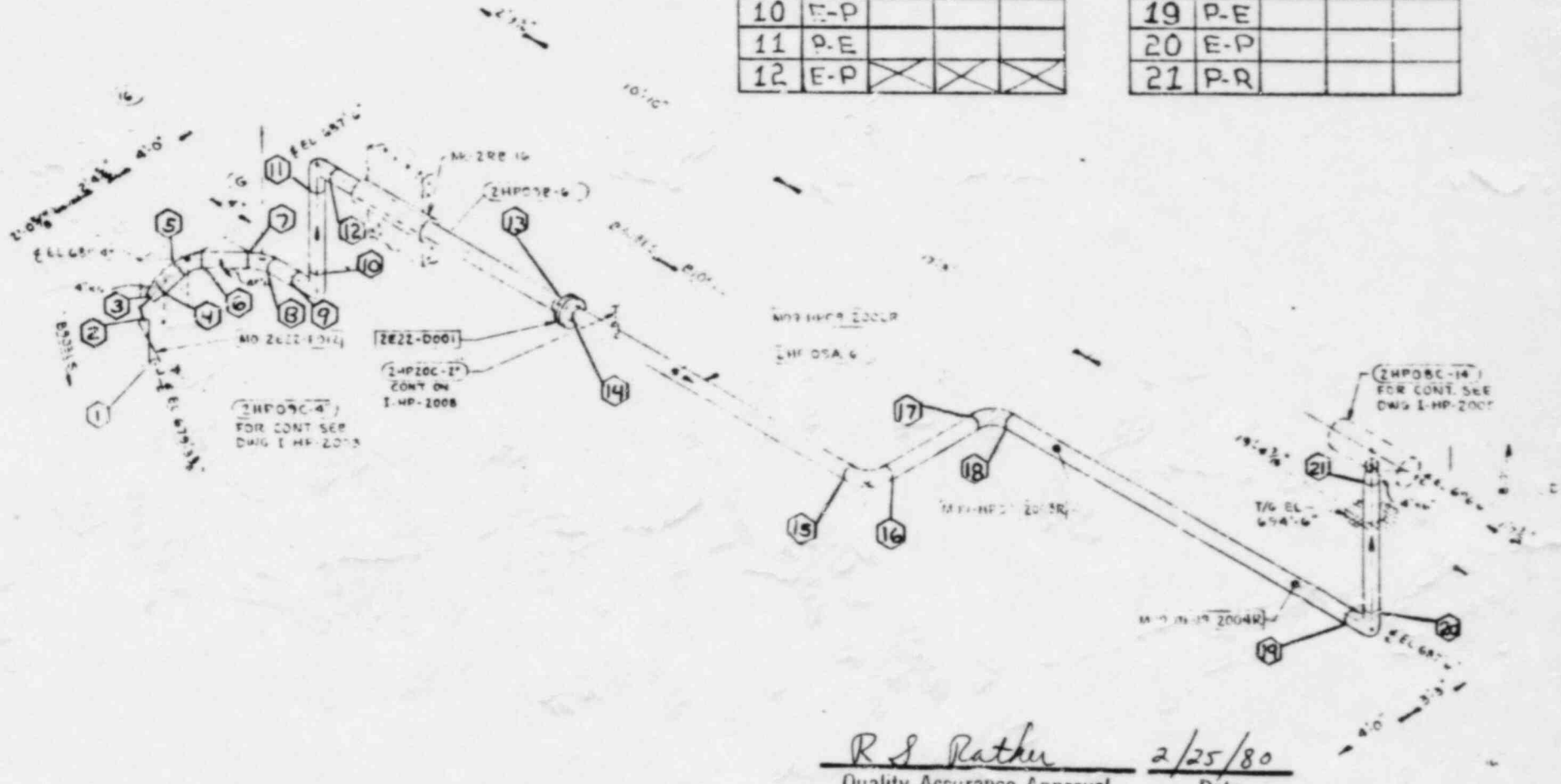
I-HP-2005

SHEET 1

I-HP-2006

WELD	TYPE	PT	0°	45°
4	R-P			
5	P-E			
6	E-P			
7	P-E			
8	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P	X	X	X

WELD	TYPE	PT	0	45°
13	P-F			
14	F-P			
15	P-E			
16	E-P	X	X	X
17	P-E			
18	E-P			
19	P-E			
20	E-P			
21	P-R			



R S Rather — 2/25/80

Quality Assurance Approval — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: welds 14,15,16,17,18,19,20,21, 01-06-01; all other welds 01-06-02

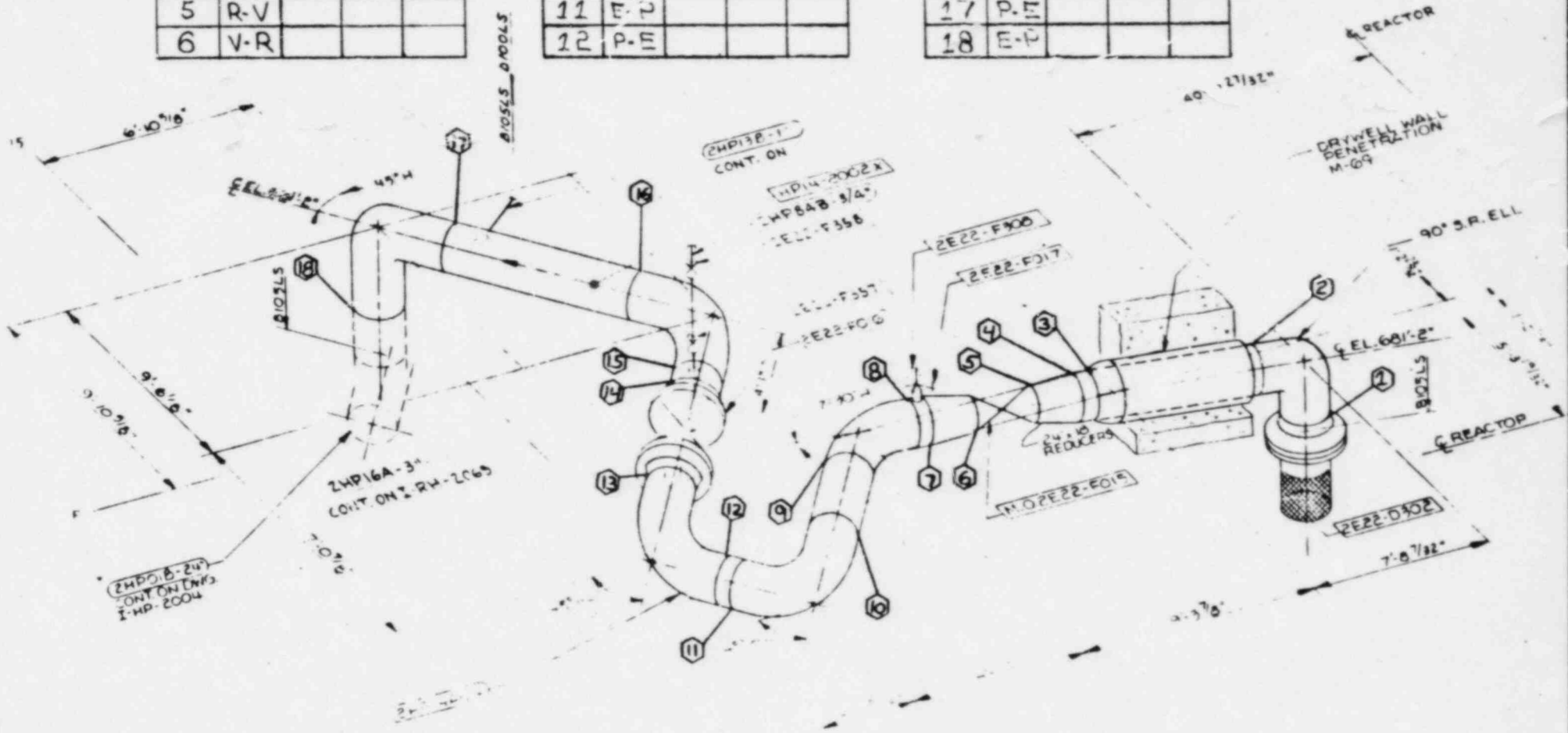
REVISIONS		MORRISON CONSTRUCTION CO. HAMMOND INDIANA
	5-4-79	TSI PACED ON ASME SECTION
		COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
		INSERVICE INSPECTION HIGH PRESSURE CORE SPRAY
		I-HP-2006

I-HP-2007

WELD	TYPE	PT	0°	45°
1	F-E			
2	E-P			
3	P-CP		X	X
4	P-R			
5	R-V			
6	V-R			

WELD	TYPE	PT	45°
7	R-P		
8	P-E		
9	E-P		
10	P-E		
11	E-P		
12	P-E		

WELD	TYPE	PT	0°	45°
13	E-F			
14	F-P			
15	P-E			
16	E-P			
17	P-E			
18	E-P			



K W Weatley — Quality Assurance Approval

10/20/80 — Date

G.E. PSI Rev. 1 changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-24-02 welds 1,2; 01-18-05 welds 5,6; 01-24-03 all other welds.

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

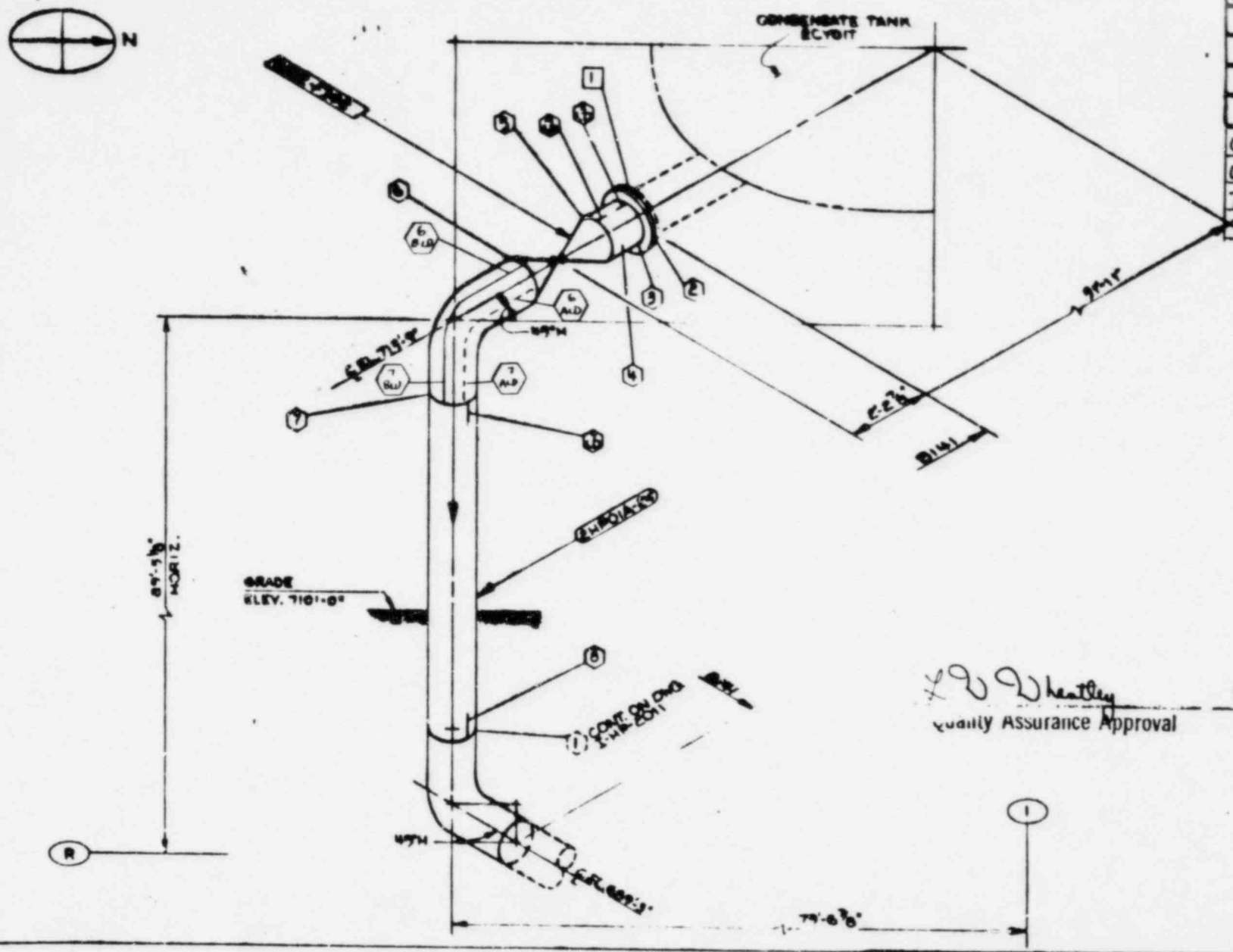
TST PASED ON ASME SECT XI

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

I-HP-2007

SHEET 1

DIOS-HM-I



WELD	TYPE	PT	0°	45°
3	F-P			
5	P-V			
6	V-E			
7	E-P			
6 ALD	IALS			
6 BLD	OALS			
7 ALD	IALS			
7 BLD	OALS			

L D Wheatley 8/8/80
Quality Assurance Approval Date

G.E. PSI Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 6

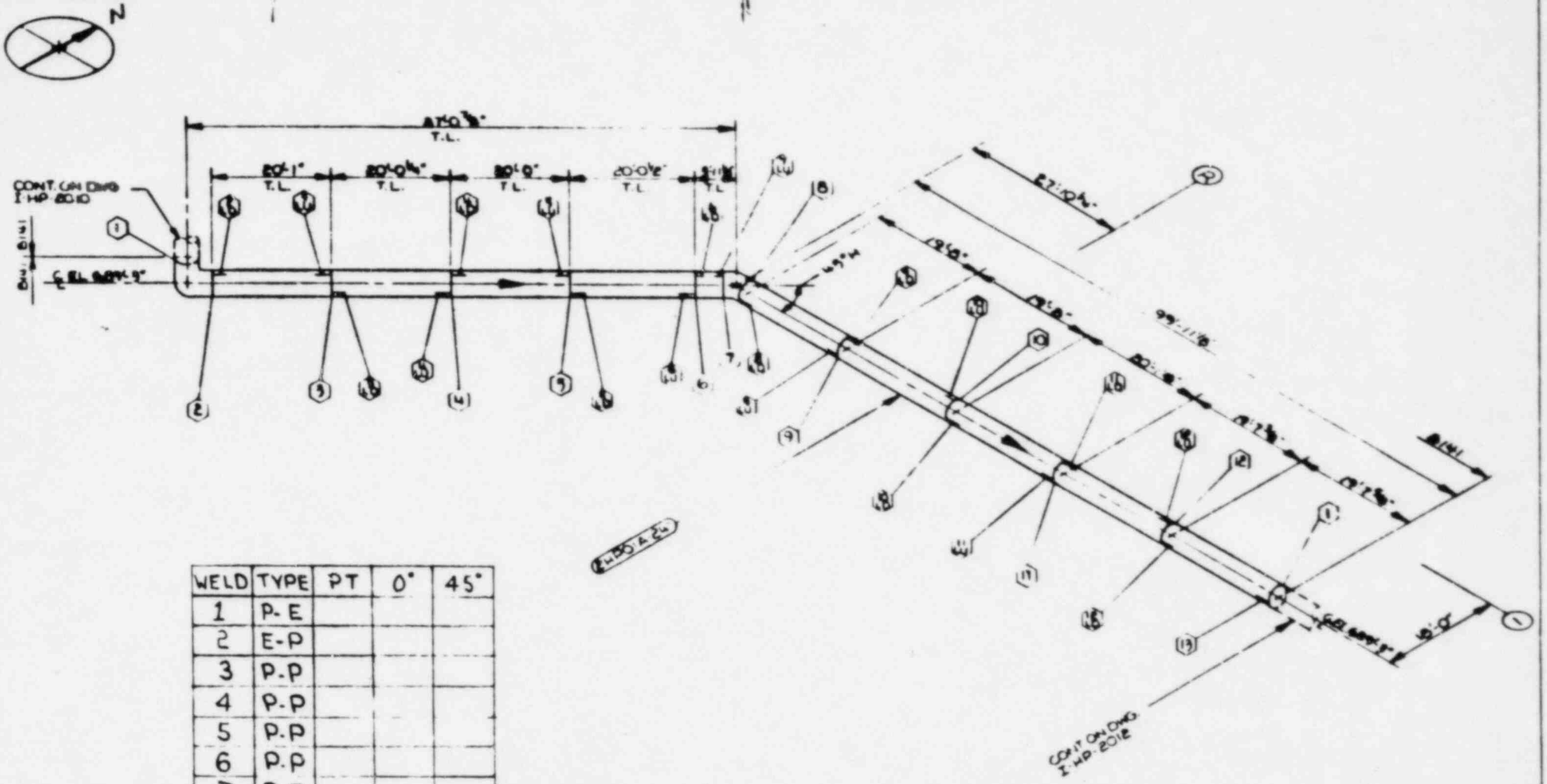
REVISIONS				
NO.	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			5-2-79

MORRISON CONSTRUCTION CO.

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

1-HP-2010

1102-HP-2011



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
3	P-P			
4	P-P			
5	P-P			
6	P-P			
7	P-E			
8	E-P			
9	P-P			
10	P-P			
11	P-P			
12	P-P			

L D Weatley
Quality Assurance Approval

6/18/81
Date

G.E. PSI Rev. 0
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.:

REVISIONS		
0	PRELIMINARY	5 4 79

MORRISON CONSTRUCTION CO.

ISI BASED ON ASME SECTION XI
INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

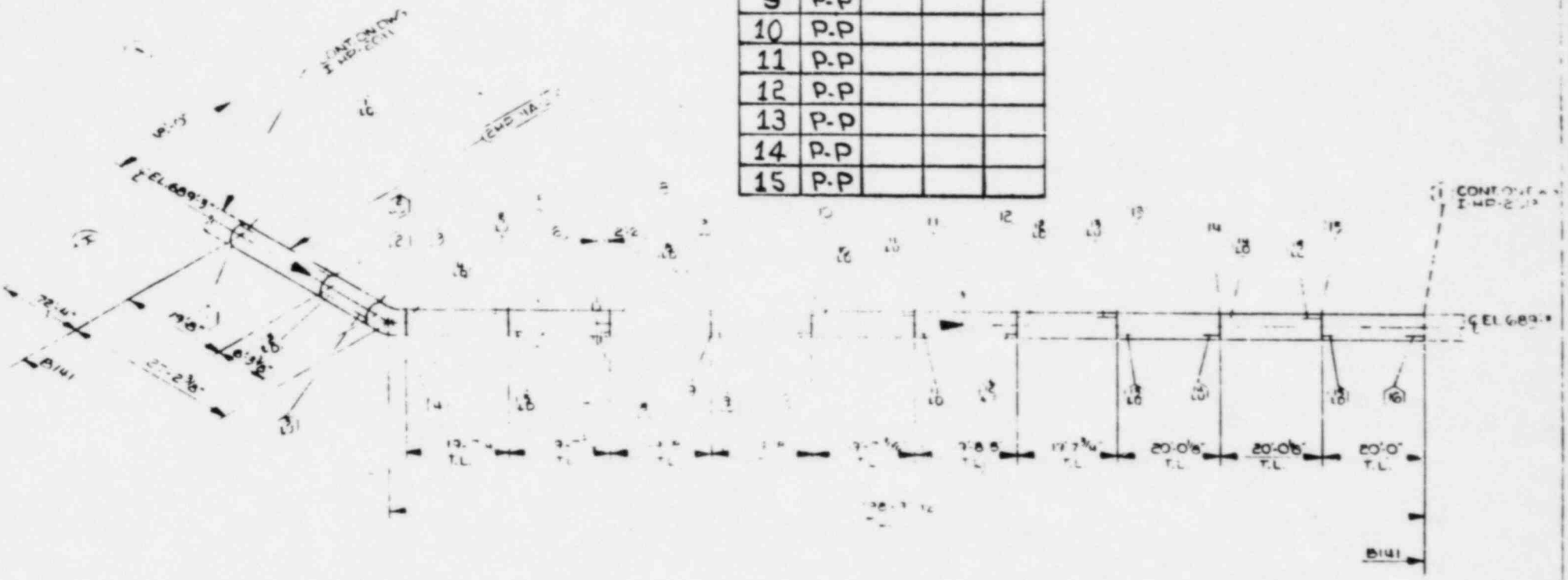
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2

I-HP-2011

SHEET 1

I-HP-2012

WELD	TYPE	PT	0°	45°
1	P-P			
2	P-P			
3	P-E			
4	E-P			
5	P-P			
8	P-P			
9	P-P			
10	P-P			
11	P-P			
12	P-P			
13	P-P			
14	P-P			
15	P-P			



Quality Assurance Approval — Date 6/18/81

G.E. PSI Rev. 0
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.:

PRELIMINARY

MORRISON CONSTRUCTION CO.
RAYMOND, INDIANA

ATW — Date 1-16-79

IST BASED ON ASME SECTION XI
2ND ISI OL — Date

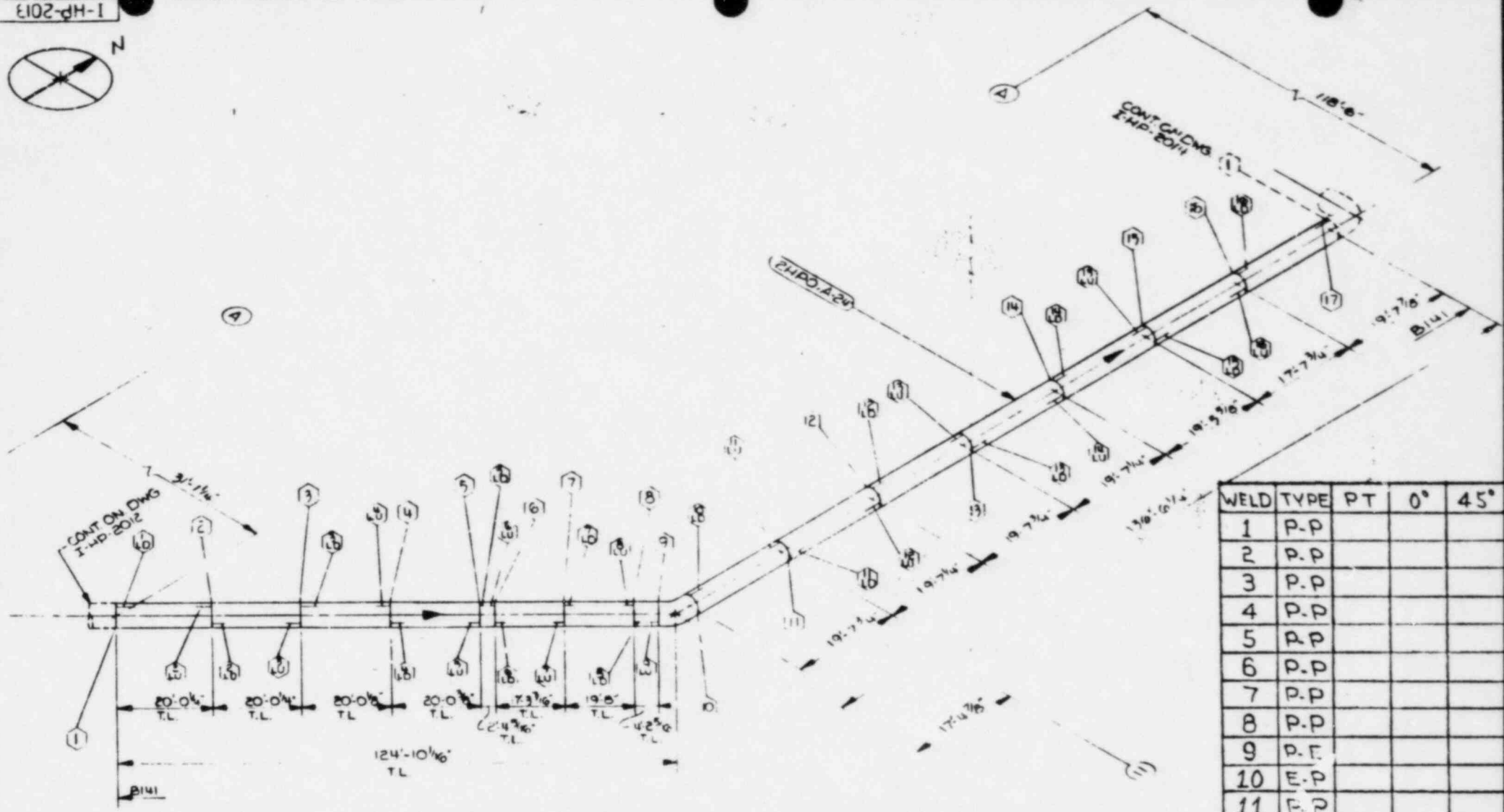
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
IN-SERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

SUB-2 I.S.I. 10.11.12

I-HP-2012

SHEET 1

I-HP-2013



WELD	TYPE	PT	0°	45°
1	P-P			
2	P-P			
3	P-P			
4	P-P			
5	P-P			
6	P-P			
7	P-P			
8	P-P			
9	P-F			
10	F-P			
11	F-P			
12	P-P			
13	P-P			
14	P-P			
15	P-P			
16	P-P			

L D Wheatley 6/18/81
Quality Assurance Approval Date

G.E. PSI Rev. 0
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.:

REVISIONS	
NO.	
0	PRELIMINARY

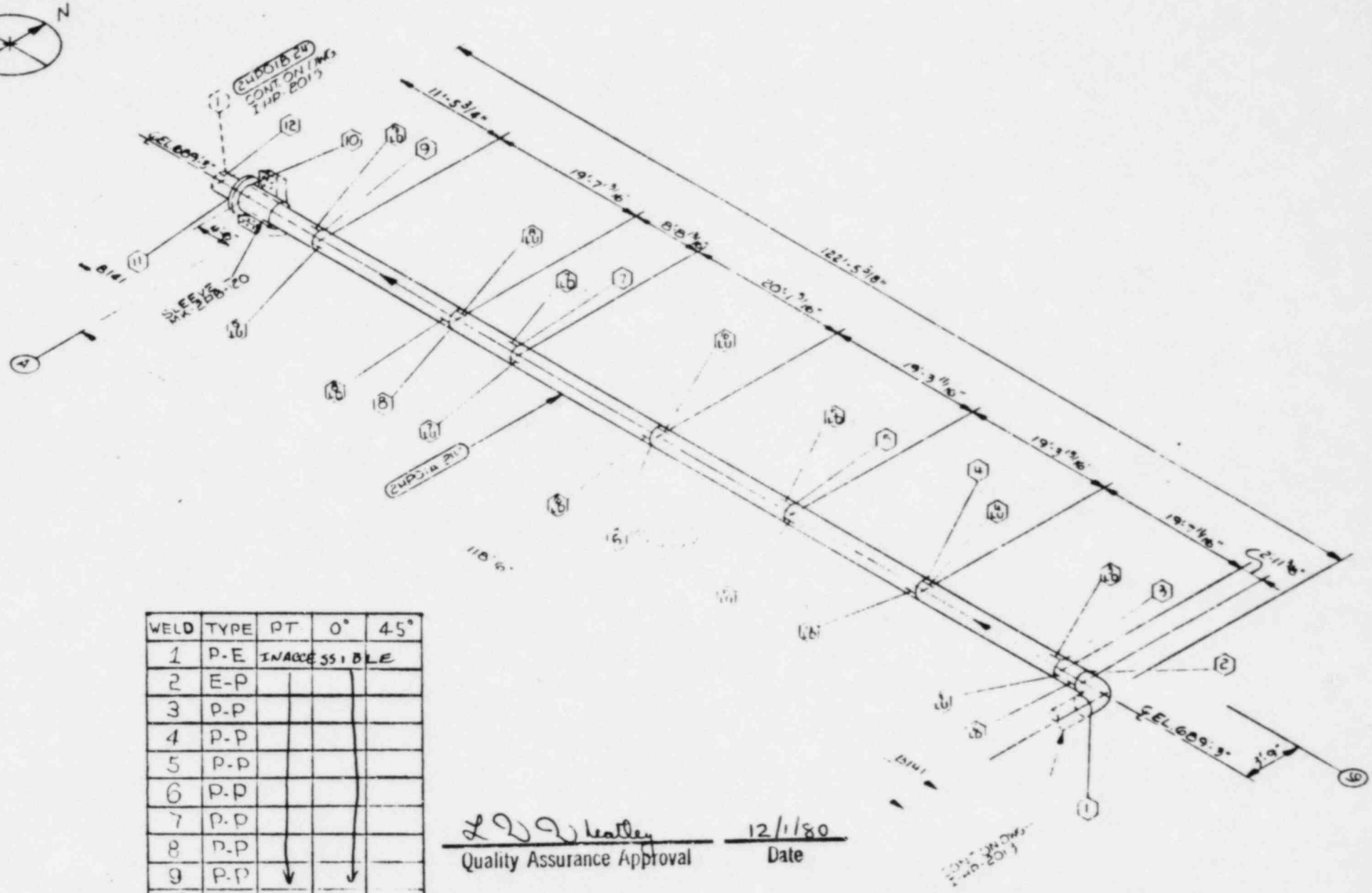
MORRISON CONSTRUCTION CO
HAMMOND INDIANA

ISI BASED ON ASME SECT XI
M.C.O. ISI-OL-

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

I-HP-2013



WELD	TYPE	PT	0°	45°
1	P-E	INACCESSIBLE		
2	E-P			
3	P-P			
4	P-P			
5	P-P			
6	P-P			
7	P-P			
8	P-P			
9	P-P			
11	P-CP			

L D Leatley — Quality Assurance Approval

12/1/80 — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F, C-E-1 #11
Procedures: UT #1 Rev.6, PT #2 Rev.7
Cal. Std.:

REVISIONS	
2	PRELIMINARY

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

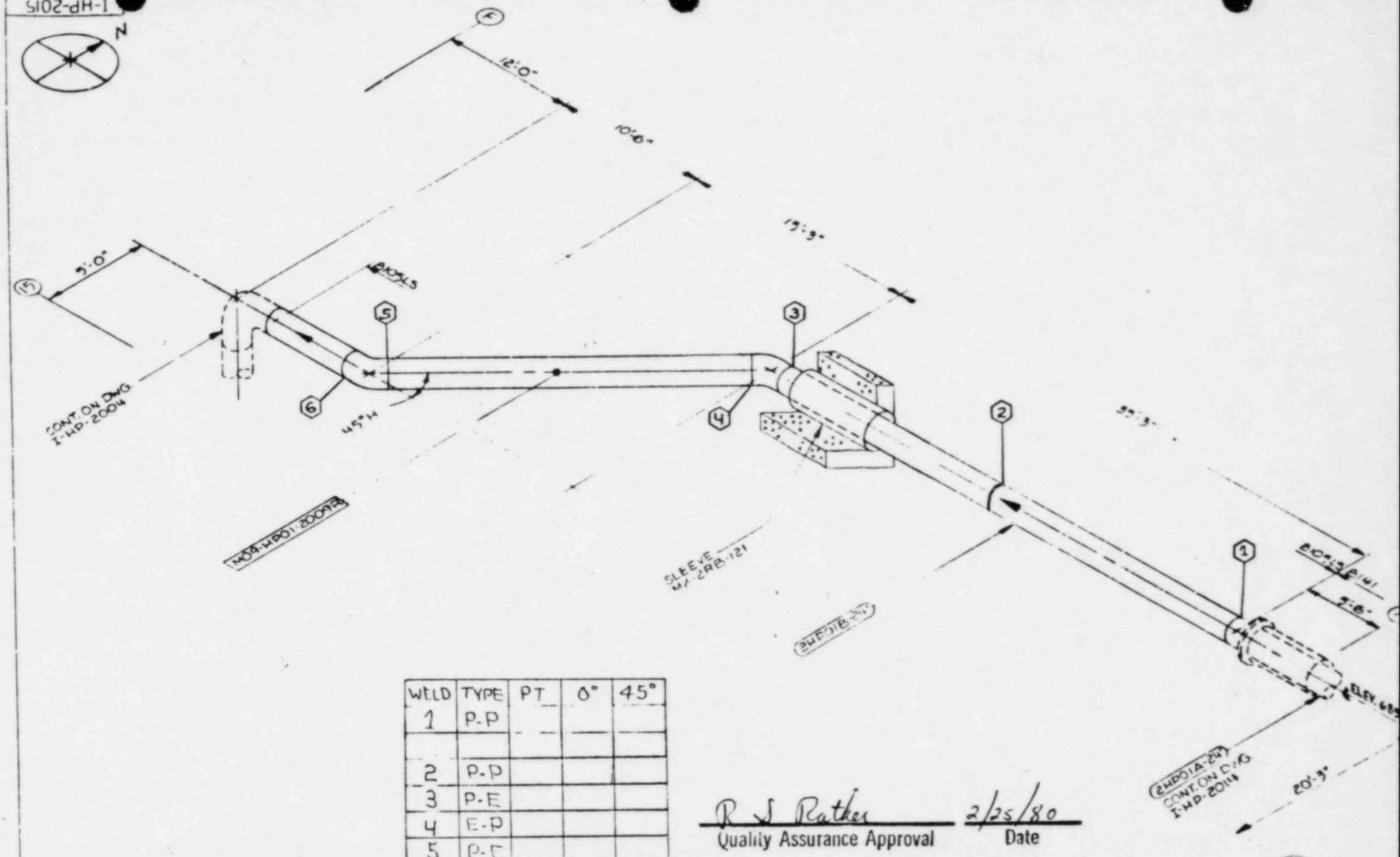
ISI BASED ON ASME SECT XI
MI-2-ISI-OL-122/H

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

2HP 2 M, 2HP 2 22,2 M-21

1-HP-20114



WELD	TYPE	PT	0°	45°
1	P-P			
2	P-P			
3	P-E			
4	E-P			
5	P-E			
6	E-P			

R S Rather — Quality Assurance Approval

2/25/80 — Date

G.E. P.S.I. Rev.0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: ; all welds including weld 1 01-24-03

REVISIONS			
NO.			
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

ISI BASED ON ASME SECT XI &
NRC REG. GUIDE 1.26/H

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2

INSERVICE INSPECTION
HIGH PRESSURE CORE SPRAY

BF-938 2/3 N-766 4.7

I-HP-2015

I-LP-2001

WELD	TYPE	PT	0°	45°
1	V-P			
5	P-CP			
6	P-F			

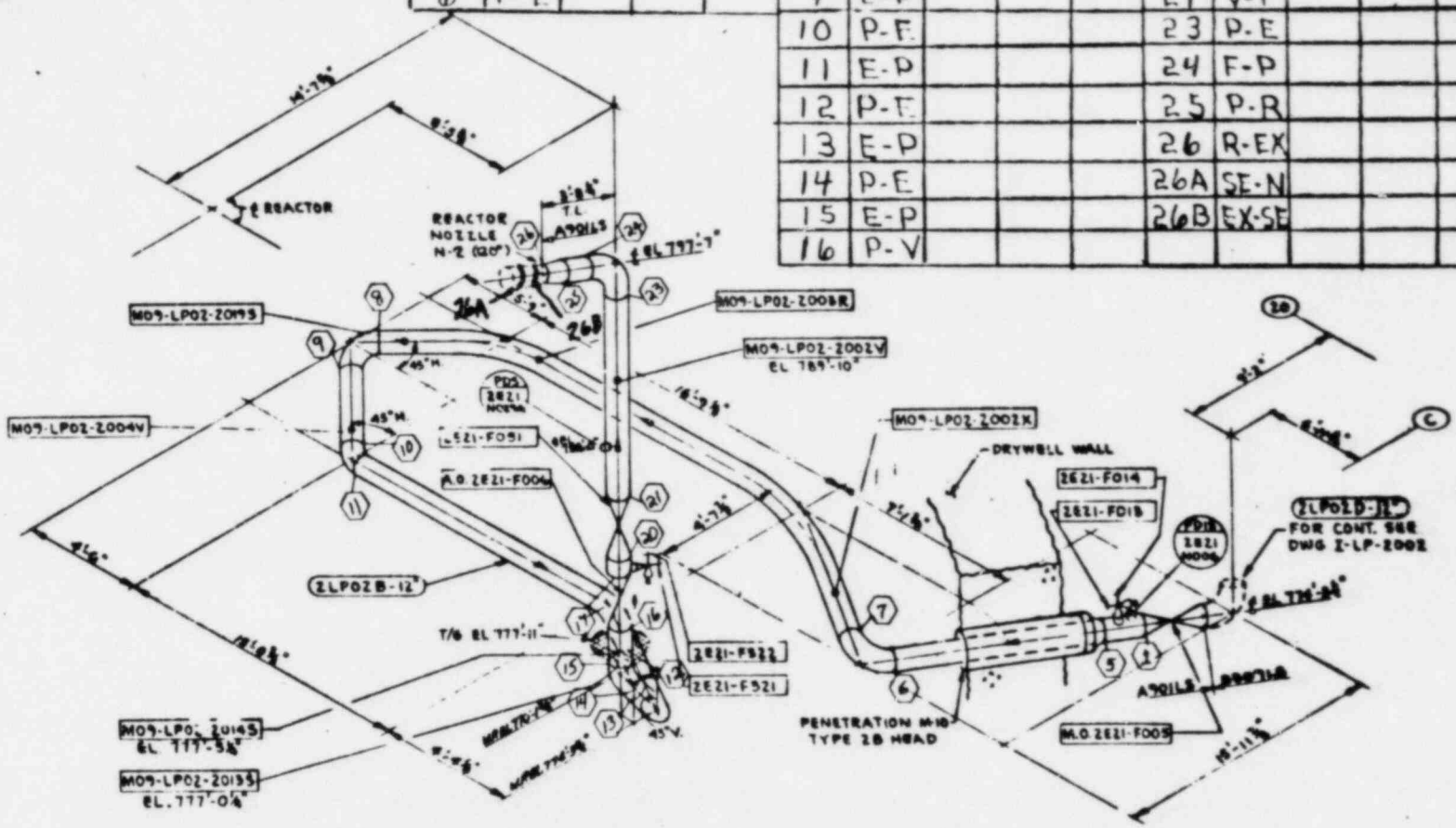
WELD	TYPE	PT	0°	45°
7	E-P			
8	P-E			
9	E-P			
10	P-F			
11	E-P			
12	P-F			
13	E-P			
14	P-E			
15	E-P			
16	P-V			

WELD	TYPE	PT	0°	45°
17	V-P			
20	P-V			
21	V-P			
23	P-E			
24	F-P			
25	P-R			
26	R-EX			
26A	SE-N			
26B	EX-SE			

PRINTED

MAY 0 4 1979

MORRISON CONSTRUCTION CO. BOILER DEPT.



L D Wheatley — Quality Assurance Approval

9/25/80 — Date

G.E. PSI Rev. 1 Changes: UT CAL. STD. for 26A to 01-70-02; 26B to 01-71-01; and 26 to 01-10-03

ASME CAT.: B-J, B-K-1, B-F as noted.

Procedures: UT #1 Rev. 4; PT #2 Rev. 5

UT Cal. Std.: 01-70-02 weld 26A; 01-10-03 weld 26; 01-71-01 weld 26B; all other welds 01-12-02

REVISIONS				
REV		BY	CK	DATE
0	PRELIMINARY			5-4-79

MORRISON CONSTRUCTION CO.

JOB NO. 5006 TO 006 007

TSI BASED ON ASME SECT. XI

MCCO # ISI-OL-121/6

Drawn CPM Date 4-17

Checked Date

APPD Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2

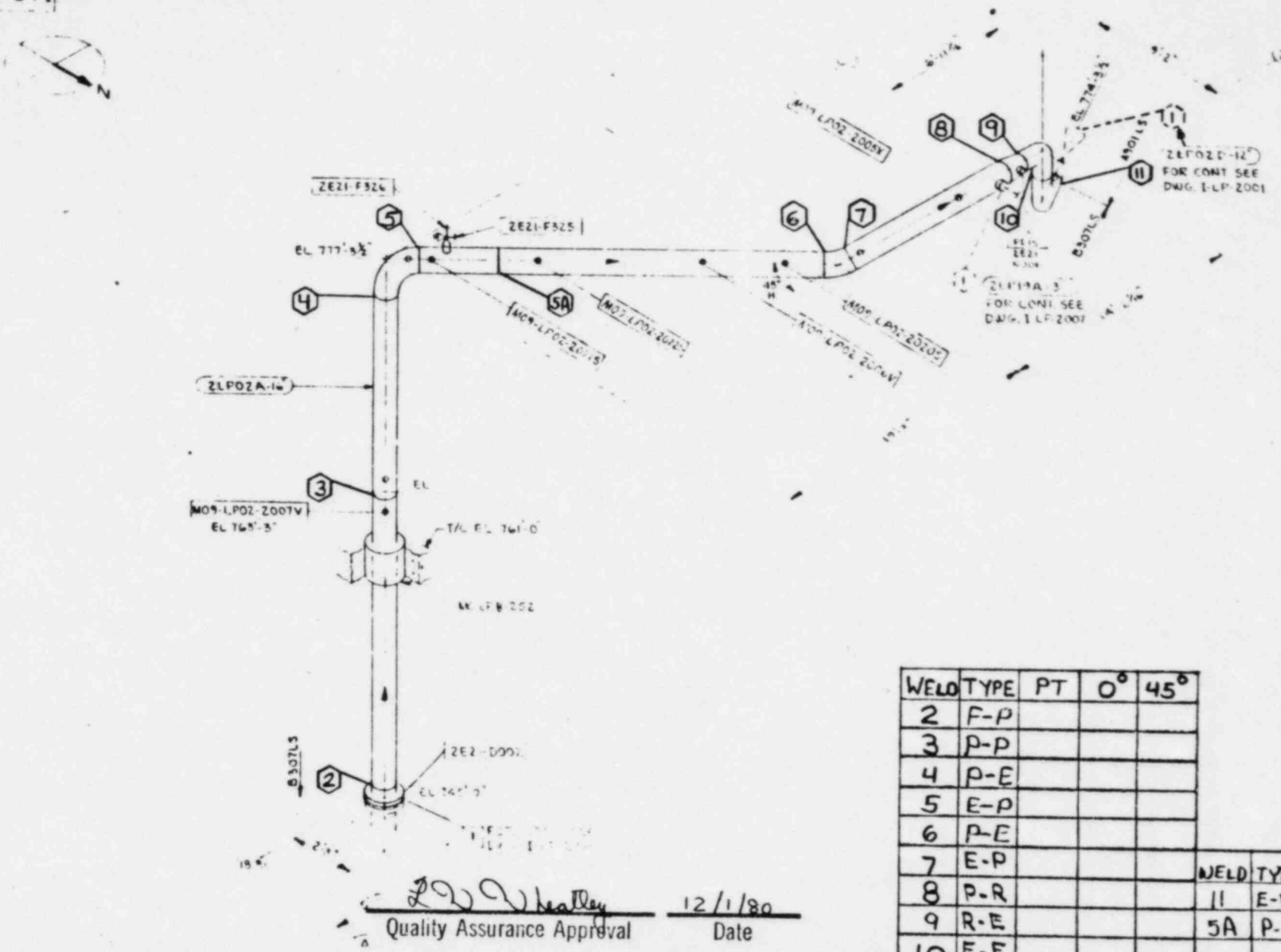
INSERVICE INSPECTION

LOW PRESSURE CORE SPRAY

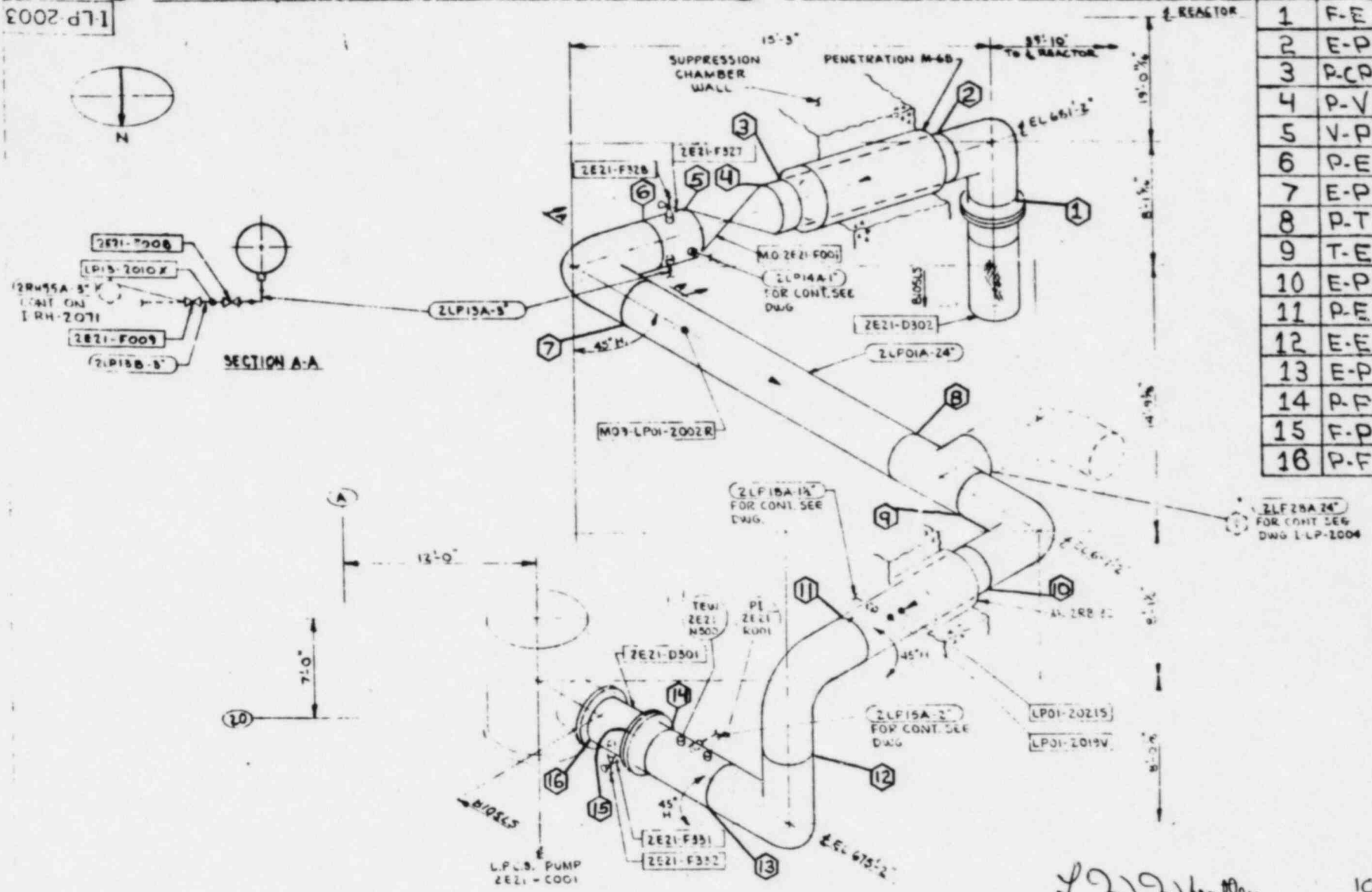
REF DWG NO. M-140/6, M-333/1/M, M-333/1/1

MCCO DWG NO. I-LP-2001

SHEET 1


N
2E21-F326
2E21-F325
EL 777'-5½"
ZLPOZA-14"
MO9-LPOZ-2007V
EL 765'-3"
T/C EL 761'-0
B307LS
2E2-D002
EL 745'-2"
19'-6"
2'-0"
MO9-LPOZ-2007W
MO9-LPOZ-2007X
MO9-LPOZ-2007Y
MO9-LPOZ-2007Z
ZLPOZD-12"
FOR CONT SEE
DWG. I-LP-2001
ZLPOZA-3"
FOR CONT SEE
DWG. I-LP-2001
B307LS
B307LS
EL 774'-3½"
EL 774'-3½"
EL 774'-3½"

1-LP-2003



WELD	TYP	T	0°	45°
1	F-E			
2	E-P			
3	P-CP		X	X
4	P-V			
5	V-P			
6	P-E			
7	E-P			
8	P-T			
9	T-E			
10	E-P			
11	P-E			
12	E-E			
13	E-P			
14	P-P			
15	F-P			
16	P-F			

Quality Assurance Approval — Date 10/20/80

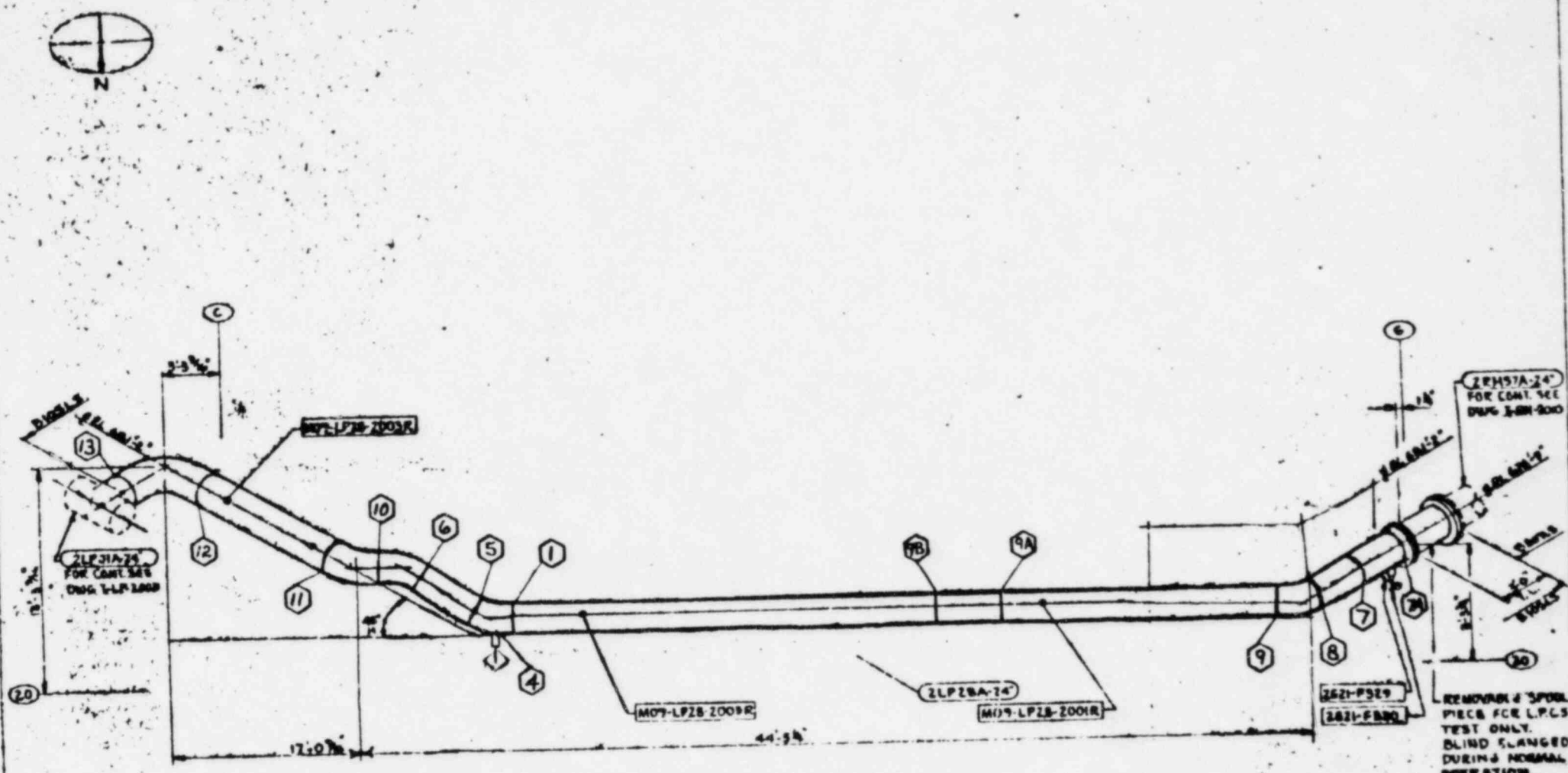
G.E. PSI Rev. 1 changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-24-02 weld 1,2; 01-24-03 all other welds.

REVISIONS			
0	PRELIMINARY		8-4-80

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI EDITION SCH Rev 1 9-12
MSSR* ISI-01-1376 ADDENDA
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY
REF DWG Rev. M-13-2, M-22-2, M-22-3, BE-33213
1-LP-2003

I-LP-2004



L D Wheatley 2/25/81
Quality Assurance Approval Date

G.E. PSI Rev..1
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
All welds: 01-24-03

REVISIONS			
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.

ISI BASED ON ASME SECT XI
MCCR 1-91-01-131/9

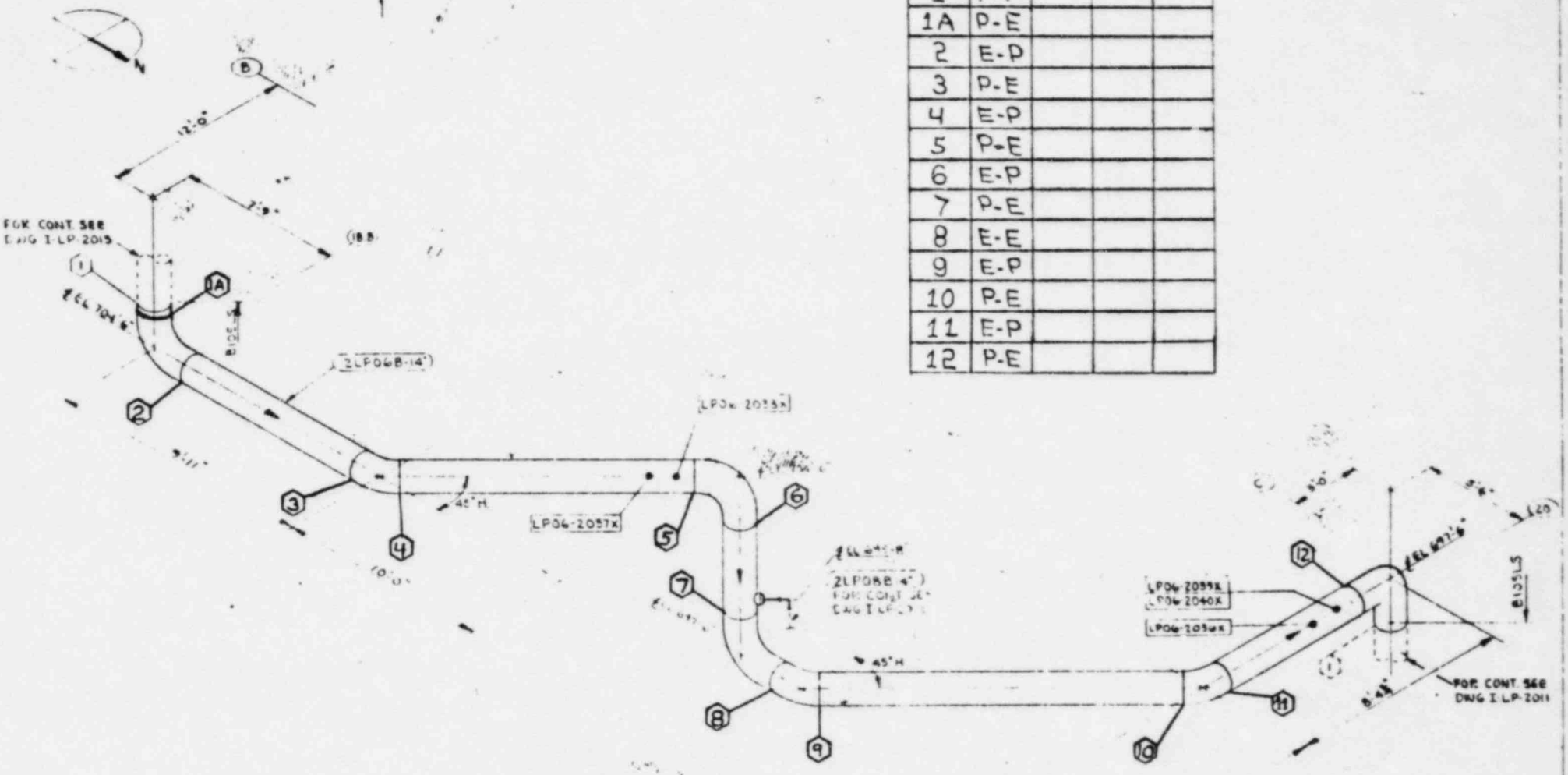
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 &

INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY

I-LP-2004

I-LP-2010

WELD	TYPE	PT	0°	45°
1	P-P			
1A	P-E			
2	E-P			
3	P-E			
4	E-P			
5	P-E			
6	E-P			
7	P-E			
8	E-E			
9	E-P			
10	P-E			
11	E-P			
12	P-E			



R S Rathe 2-21-80
Quality Assurance Approval Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: all welds 01-14-01

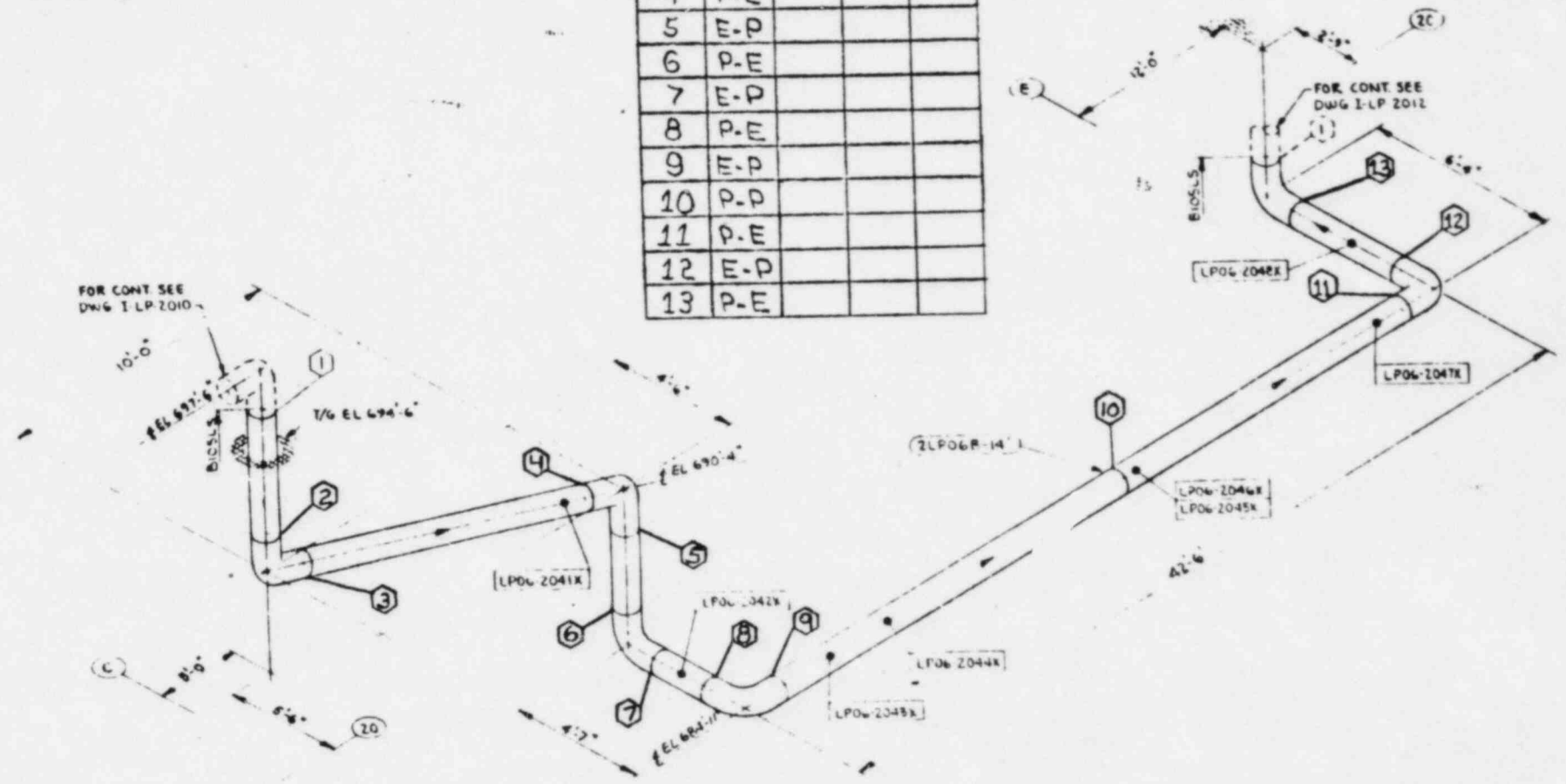
REVISIONS			MORRISON CONSTRUCTION CO. HAMMOND, INDIANA
			CRM
		5-4-79	

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY

I-LP-2010

I-LP-2011

WELD	TYPE	PT	0°	45°
1	E-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			
6	P-E			
7	E-P			
8	P-E			
9	E-P			
10	P-P			
11	P-E			
12	E-P			
13	P-E			



R. S. Rather 2-22-80

Quality Assurance Approval — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: all welds 01-14-01

REVISIONS				
0	PRELIMINARY			5-4-79

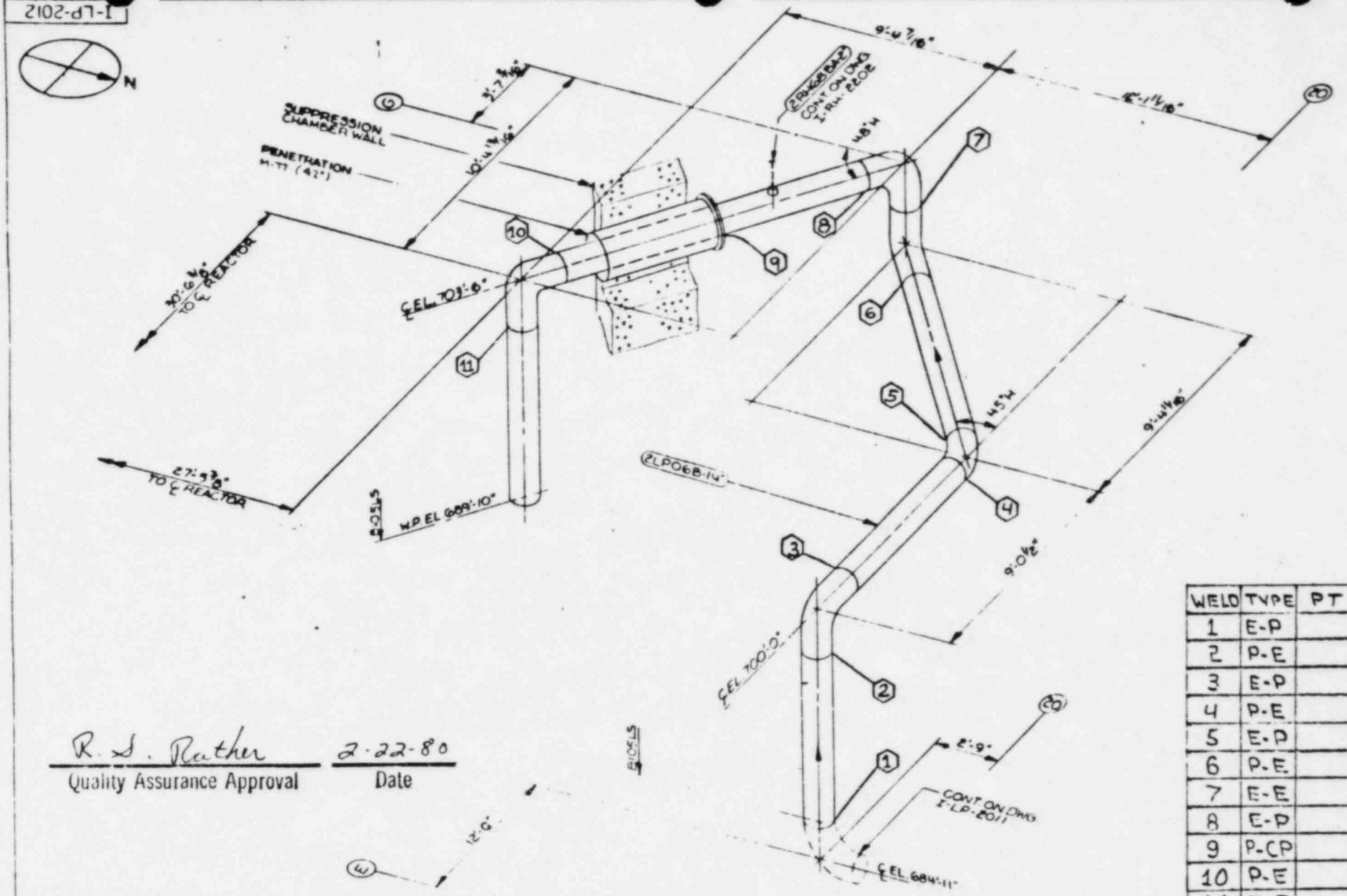
MORRISON CONSTRUCTION CO.
ILLIANOIS, INDIANA

ISI BASED ON ASME SECTION XI
MCCO # 121-01-121/6
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY

I-LP-2011

SHEET 1

I-LP-2012



WELD	TYPE	PT	0°	45°
1	E-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			
6	P-E			
7	E-E			
8	E-P			
9	P-CP			
10	P-E			
11	E-P			

R. L. Rather — Quality Assurance Approval

2-22-80 — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: all welds 01-14-01

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
0	PRELIMINARY	5-4-79	

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

IST BASED ON ASME SECT. XI ℄
MCCO ISI-OL-1216

DRAWN ATW Date 1-14-79
CHECKED Date
APPVD Date

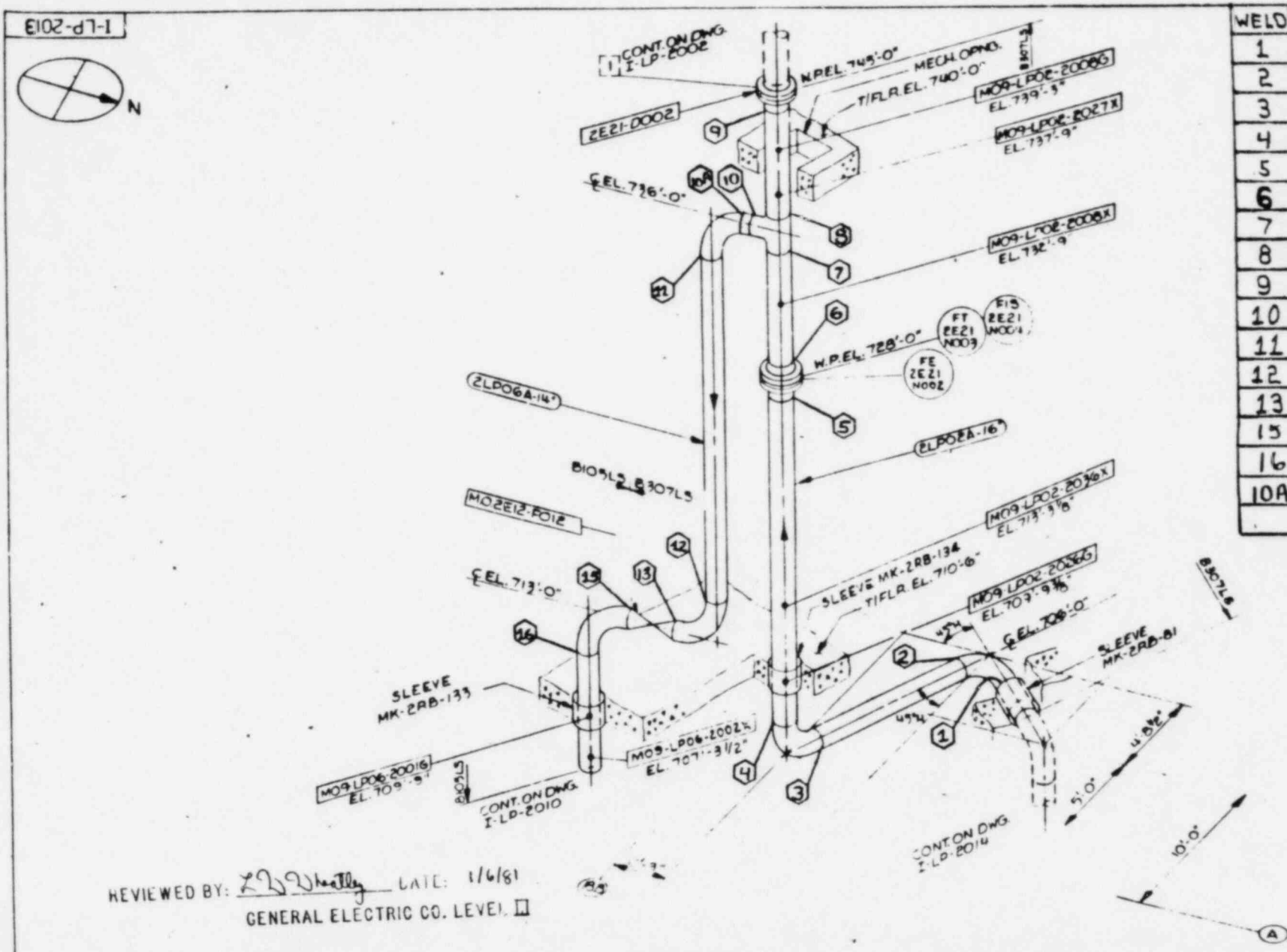
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY

BE-9314

DRAWING I-LP-2012

SHEET 1

I-LP-2013



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
3	P-E			
4	E-P			
5	P-F			
6	F-P			
7	P-T			
8	T-P			
9	P-F			
10	T-P			
11	E-P			
12	P-F			
13	E-V			
15	V-E			
16	E-P			
10A	P-E			

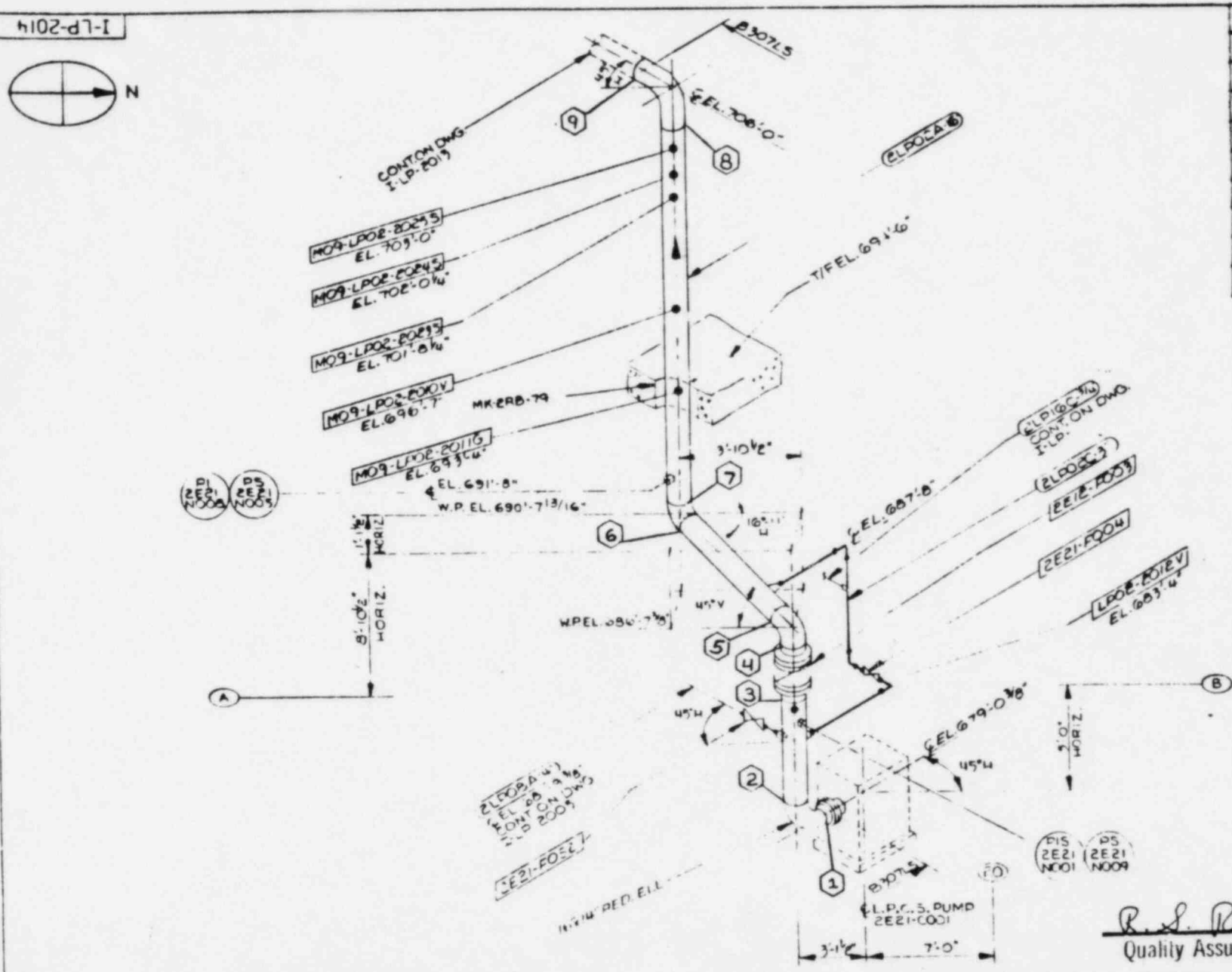
REVIEWED BY: [signature] DATE: 1/6/81
GENERAL ELECTRIC CO. LEVEL III

G.E. PSI Rev. 3 Changes: Added weld 10A
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-14-03 welds 10, 10A, 11, 12, 13; 01-14-01 welds 15, 16
01-16-01 all other welds.

REVISIONS			
NO.	ITEM		
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.
ISI BASED ON ASME SECTION XI
MCCO ISI-OL-121/G
COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY
I-LP-2013

I-LP-201A



WELD	TYPE	PT	0°	45°
1	F-E			
2	E-P			
3	P-F			
4	F-E			
5	E-P			
6	P-E			
7	E-P			
8	P-E			
9	E-P			

R. S. Rathies — Quality Assurance Approval

2-22-80 — Date

G.E. P.S.I Rev. 0 Change
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev.6
Cal. Std.: weld 1, 01-14-03; all other welds 01-16-01

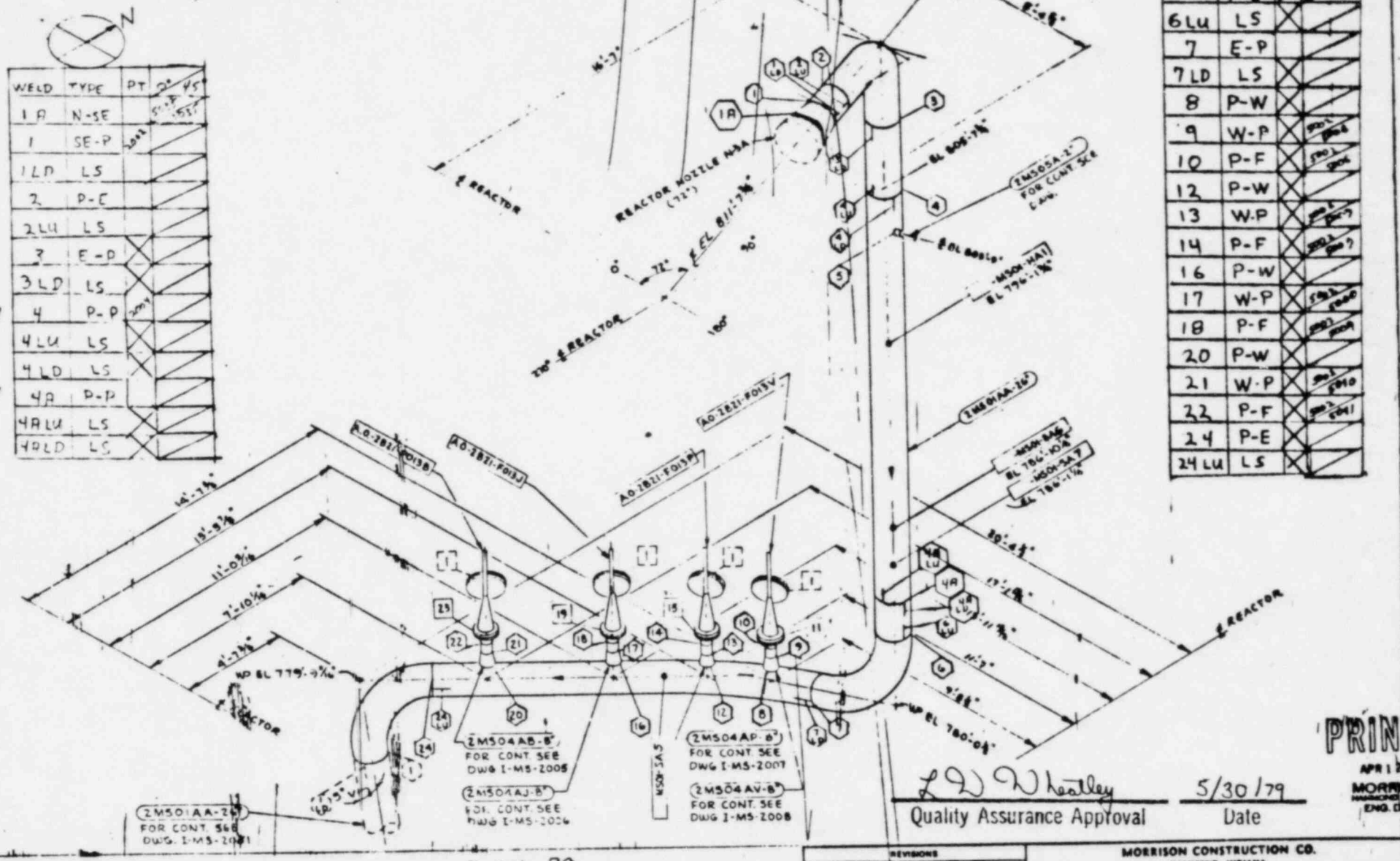
REVISIONS		
0	PRELIMINARY	5-4-15

MORRISON CONSTRUCTION CO.
RAMMOND INDIANA

FOR BWR ASME SECTION XI
COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
LOW PRESSURE CORE SPRAY

BF-937-1/1 — I-LP-201A

I-MS-2001



WELD	TYPE	PT
1A	N-SE	
1	SE-P	
1LD	LS	
2	P-E	
2LU	LS	
3	E-P	
3LD	LS	
4	P-P	
4LU	LS	
4LD	LS	
4A	P-P	
4ALU	LS	
4ALD	LS	

WELD	TYPE	PT
6	P-E	
6LU	LS	
7	E-P	
7LD	LS	
8	P-W	
9	W-P	
10	P-F	
12	P-W	
13	W-P	
14	P-F	
16	P-W	
17	W-P	
18	P-F	
20	P-W	
21	W-P	
22	P-F	
24	P-E	
24LU	LS	

L W Wheatley
Quality Assurance Approval

5/30/79
Date

PRINTED
APR 1 1980
MORRISON
ENG. DEPT.

G.E. PSI REV 0 ADD: 1A, 4A, 4ALU, 4ALD. 4-24-79
REV 1 CHANGES NOTED BY "Δ". EDS. Nos TO DATE 5/29/79

PROCEDURES: P.T. #2 REV 5; U.T. #1 REV. 4.

CAL. STD: FOR 1A, 01-26-04
FOR WELDS: 9, 10, 13, 14, 17, 18, 21, 22; 01-08-01. OTHERS: 01-26-01

31 UT 8 PT

REVISIONS			
NO.	DESCRIPTION	APP'D	DATE
"0"	PER GE PSI LTR DATED 4-24-79		4-25-79

MORRISON CONSTRUCTION CO.
KANSAS, INDIANA

JOB NO. 2260 TO 2265 INCL.
ISI BASED ON ASME SEC XI
& MCCO # ISI-01-101/A

Drawn GPM Date 10-11-78
Checked Date
APP'D Date

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION U. 1 & 2
INSERVICE INSPECTION
MAIN STEAM

REF. Dwg. Nos. M-110-1A, M-130-1A
Spec. 2260-N1

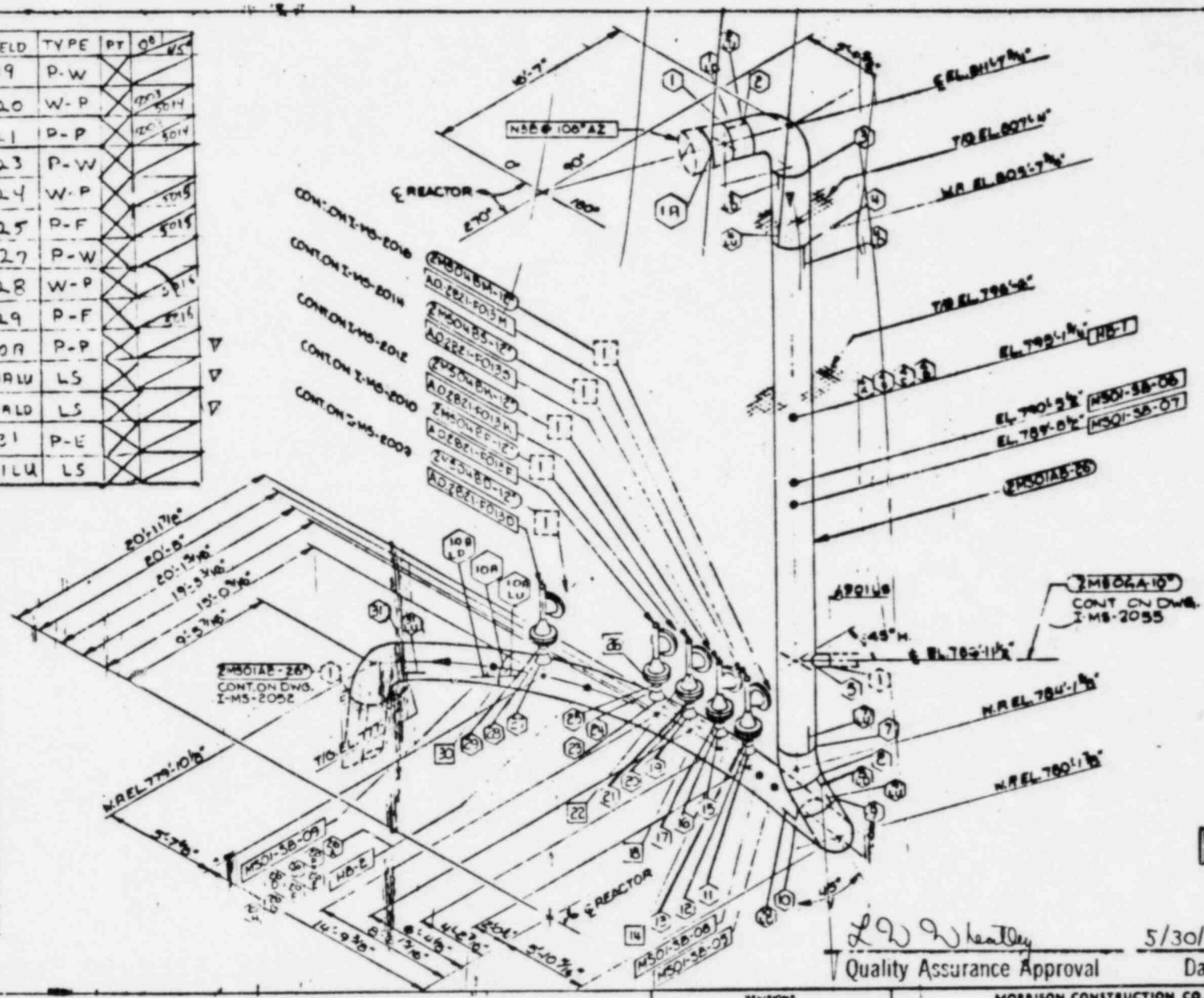
MCCO NO. I-MS-2001

SHEET 1 OF 1

MS-2002

WELD	TYPE	PT	0°
1A	N-SE		
1	SE-P		
1LD	LS		
2	P-E		
2LU	LS		
3	E-P		
3LD	LS		
4	P-P		
4LU	LS		
4LD	LS		
5	P-W		
7	P-E		
7LU	LS		
8	E-P		
8LD	LS		
9	P-E		
9LU	LS		
10	E-P		
10LD	LS		
11	P-W		
12	W-P		
13	P-F		
15	P-W		
16	W-P		
17	F-F		

WELD	TYPE	PT	0°
19	P-W		
20	W-P		
21	P-P		
23	P-W		
24	W-P		
25	P-F		
27	P-W		
28	W-P		
29	P-F		
10A	P-P		
10ALU	LS		
10ALD	LS		
31	P-E		
31LU	LS		



PRINTED
APR 16 '80
MORRISON HAMMOND INDIANA ENG. DEPT.

L Q Wheatley 5/30/79
Quality Assurance Approval Date

G.E. PSI REV. 0 ADD: 1A; 10A; 10ALU; 10ALD. 4-24-79
REV. 1 CHANGES NOTED BY "1". EDS. NO's TO DATE 5-29-79

PROCEDURES: PT "2 REV. 5; UT "1 REV. 4.
CAL. STD.: FOR 1A: 01-26-04. FOR WELDS: 12, 13, 16, 17, 20, 21, 24, 25, 28, 29 use 01-08-01. OTHERS USE 01-26-01

39 UT. 9 PT

REVISIONS		
NO.		
0	PRELIMINARY	

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

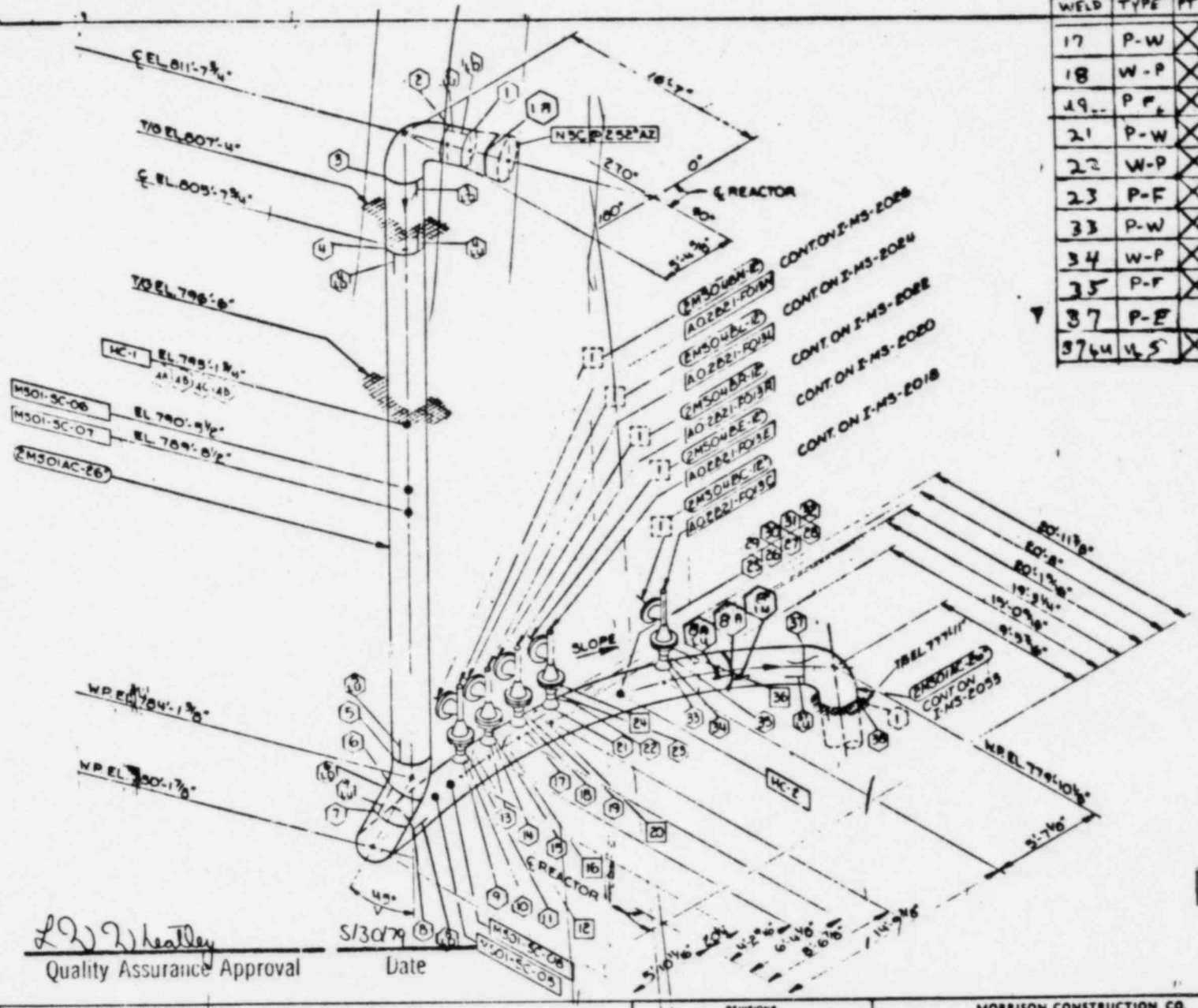
ASME SECTION XI
M-0-1-52-OL-101A

COMMONWEALTH EDISON CO LASALLE COUNTY STATION U. 1 & 2
INSERVICE INSPECTION
MAIN STEAM

DRAWING NO. I-MS-2002

SHEET 1

I-MS-2003



WELD	TYPE	PT	
1A	N-SE		
1	SE-P		
1LD	LS		
2	P-E		
2LU	LS		
3	E-P		
3LD	LS		
4	P-P		
4LU	LS		
4LD	LS		
5	P-E		
5LU	LS		
6	E-P		
6LD	LS		
7	P-E		
7LU	LS		
8	E-P		
8LD	LS		
8A	P-P		
8ALU	LS		
8ALD	LS		
9	P-W		
10	W-P		
11	P-F		
12	P-W		
14	W-P		
15	P-F		

WELD	TYPE	PT	
17	P-W		
18	W-P		
19	P-F		
21	P-W		
22	W-P		
23	P-F		
33	P-W		
34	W-P		
35	P-F		
37	P-E		
37LU	LS		

L W Heatley 5/30/79
Quality Assurance Approval Date

PRINTED
APR 12 19
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. PSI REV. 0. ADD: 1A; 8A; 8ALU; 8ALD. 4-24-79
REV. 1. CHANGES NOTED BY "D". EDS NOS TO DATE 5/29/79
PROCEDURES: PT #2 REV. 5; UT #1 REV. 4.
UT CAL. STD: FOR 1A USE 01-26-04. FOR WELDS: 10, 11, 14, 15, 18, 19, 22
23, 34, 35 use 01-08-01. OTHERS USE 01-26-01

38 UT 3 PT

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
0	PRELIMINARY	4-25-79	

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

JOB NO. 5000, 5001, 5002, 5003	DRAWN AYW	SCALE NONE
TEST BASIS ASME SECT XI E	CHECKED	DATE
MCCO-151-OL-10VA	APPVD	FILE

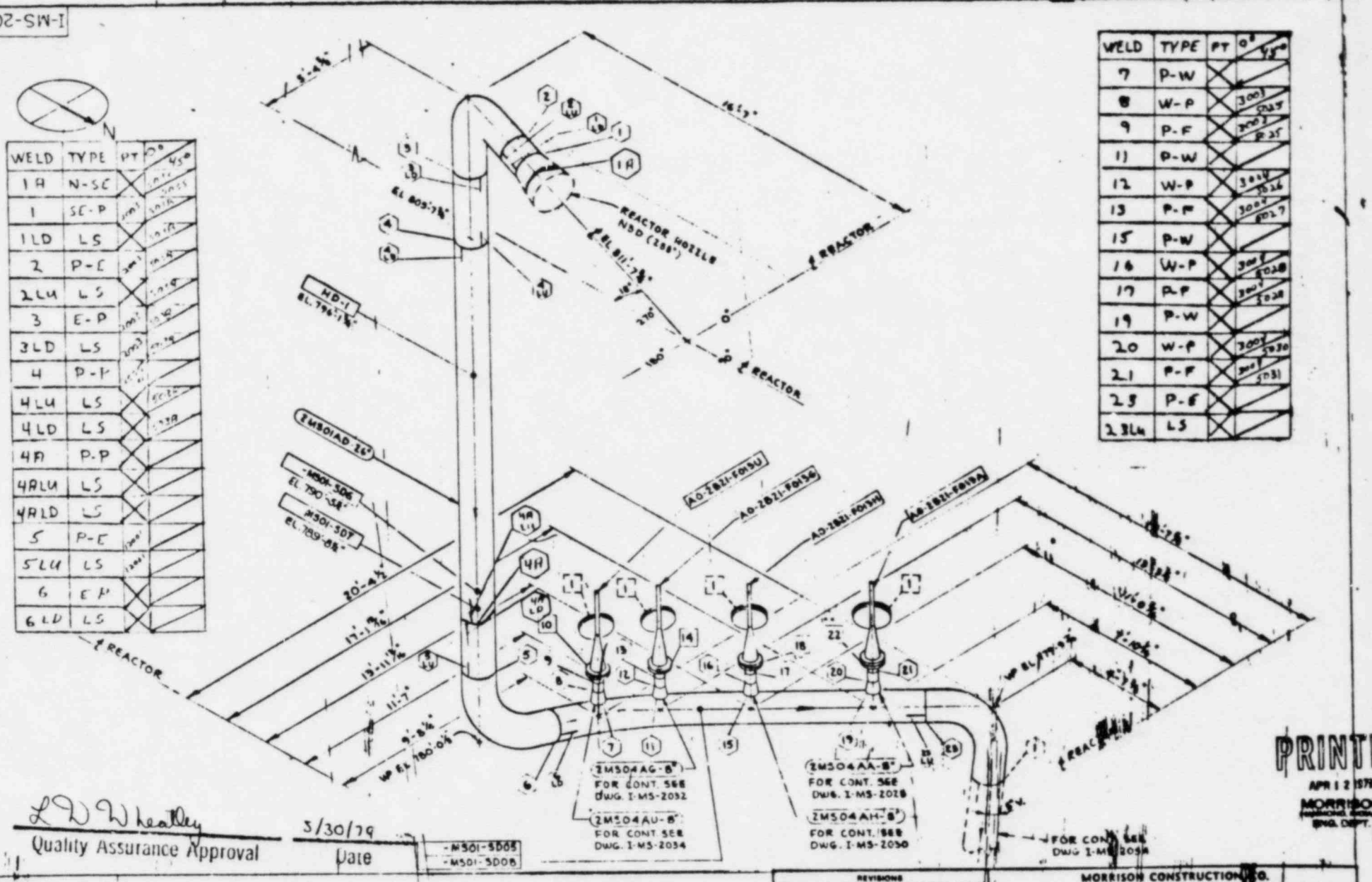
COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

REF DWG NO. M-118 SH 1 & M-122 SH 1
GE-902 VI, GE-161E994

RECORD I-MS-2003

SHEET 1.

I-MS-2004



WELD	TYPE	PT	0°	45°
1A	N-SE			
1	SE-P			
1LD	LS			
2	P-E			
2LU	LS			
3	E-P			
3LD	LS			
4	P-P			
4LU	LS			
4LD	LS			
4A	P-P			
4ALU	LS			
4ALD	LS			
5	P-E			
5LU	LS			
6	E-P			
6LD	LS			

WELD	TYPE	PT	0°	45°
7	P-W			
8	W-P		3001	3025
9	P-F		3002	P-25
11	P-W			
12	W-P		3004	3026
13	P-F		3005	3027
15	P-W			
16	W-P		3006	3028
17	P-P		3007	3029
19	P-W			
20	W-P		3008	3030
21	P-F		3009	3031
23	P-E			
23LU	LS			

L D Wheatley
Quality Assurance Approval

5/30/79
Date

-MSOI-SD05
-MSOI-SD08

G.E. PSI REV. 0. ADD: 1A; 4A; 4ALU; 4ALD.
REV 1. CHANGES NOTED BY "▽". EDS NO'S TO DATE 5/29/79

PROCEDURES: PT = 2 REV. 5; UT = 1 REV. 4.
UT CAL. STD: FOR 1A USE 01-26-04. FOR WELDS: 8, 9, 12, 13, 16, 17, 29
21 USE 01-08-01. OTHERS USE 01-26-01

21 UT 6 PT

REVISIONS			
REV	Description	Date	
"0"	PRELIMINARY	4-12-79	

MORRISON CONSTRUCTION CO.
HARRISBURG, INDIANA

Job No. 8000 78 000 007
Drawn CDM Date 10-18-78
Checked Date
APP'D Date

TSI BASED ON ASME SECT XI '74
MCCO 121-01-101A

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

REF Dwg No. M-116-1A, M-300-1E, M-300-2E, M-300-3E, M-300-4E, M-300-5E, M-300-6E
MCCO 180 #

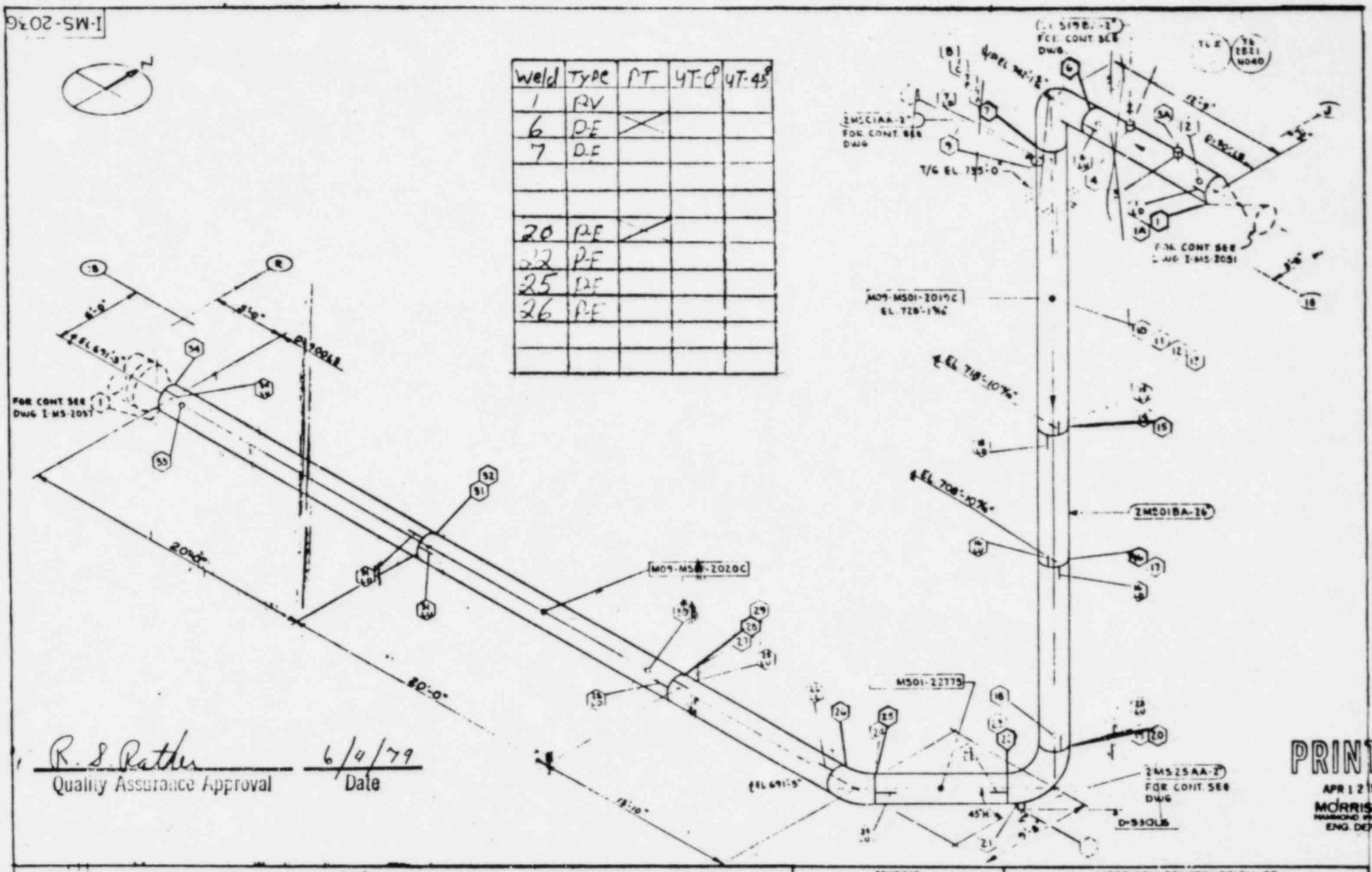
I-MS-2004

SHEET 1

PRINTED
APR 12 1979
MORRISON ENGINEERING DWG. DEPT.

I-MS-2036

Weld	Type	PT	UT-0°	UT-45°
1	BW			
6	P-E	X		
7	P-E			
20	P-E	/		
22	P-E			
25	P-E			
26	P-E			



R. S. Rather — Quality Assurance Approval

6/4/79 — Date

PRINTED
APR 12 1979
MORRISON ENG. DEPT.

G.E. PSI Rev. 0 Additions: NONE. 5/30/79

Procedures: PT #2 Rev 5 UT #1 Rev. 4.
UT CAL. STD: 01-26-02

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	ISSUED FOR AR'S		4/12/79

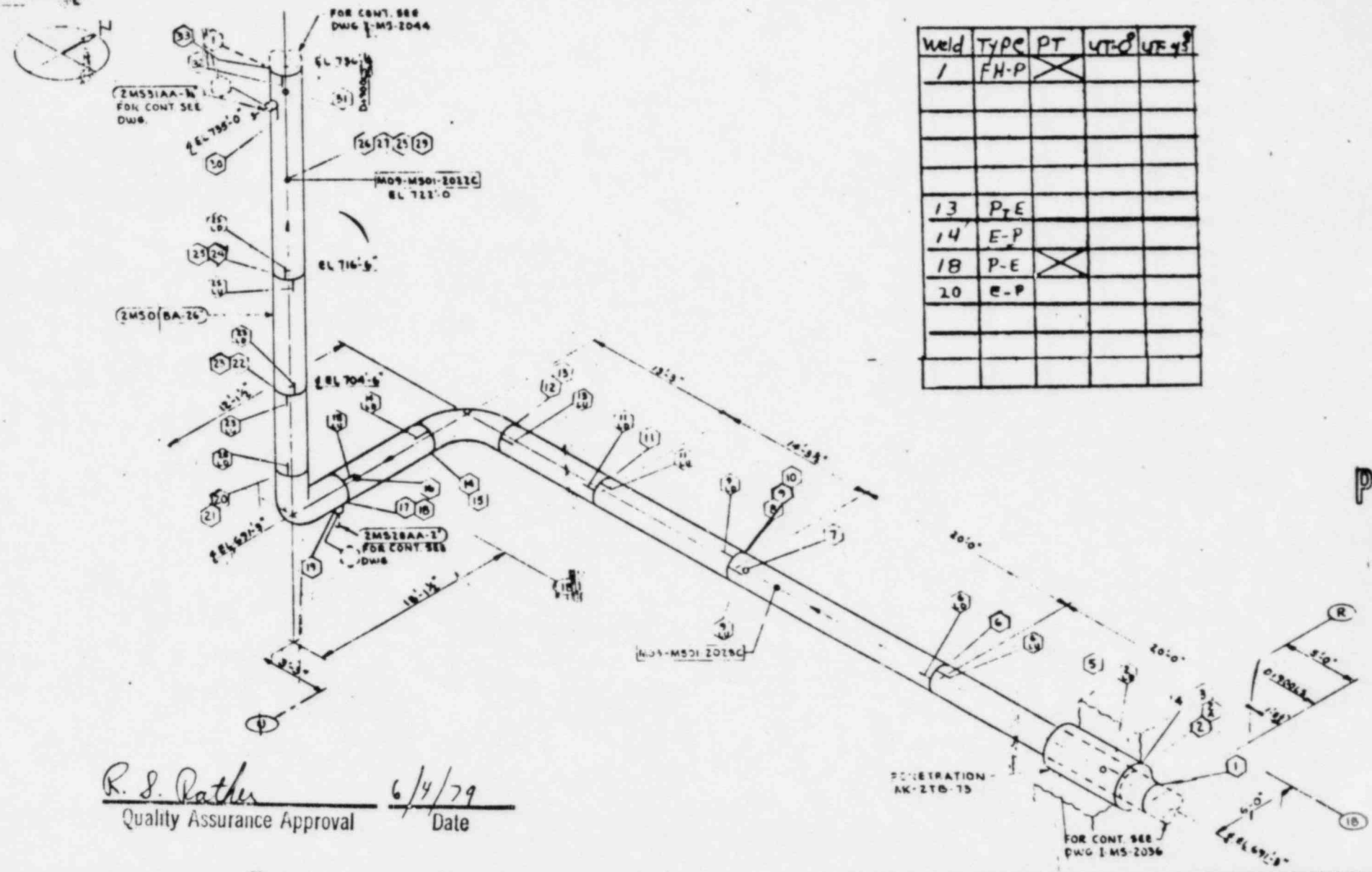
MORRISON CONSTRUCTION CO.
MADISON, INDIANA

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION U.'S 1 & 2
INSERVICE INSPECTION
MAIN STEAM

REF DWG No. M-1 [illegible]

DRAWING NO. 1MS-2036

I-MS-2037



Weld	Type	PT	UT-S	UT-45
1	FW-P	X		
13	P-E			
14	E-P			
18	P-E	X		
20	E-P			

R. S. Rather
Quality Assurance Approval

6/4/79
Date

PRINTED
APR 12 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. PSI REV. 0. ADDITIONS: NONE. 5/30/79

PROCEDURES: U.T. #1 REV 4; P.T. #2 REV. 5

U.T. CAL. STD: 01-26-02

REVISIONS			
No.		By	Date
0			5-31-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

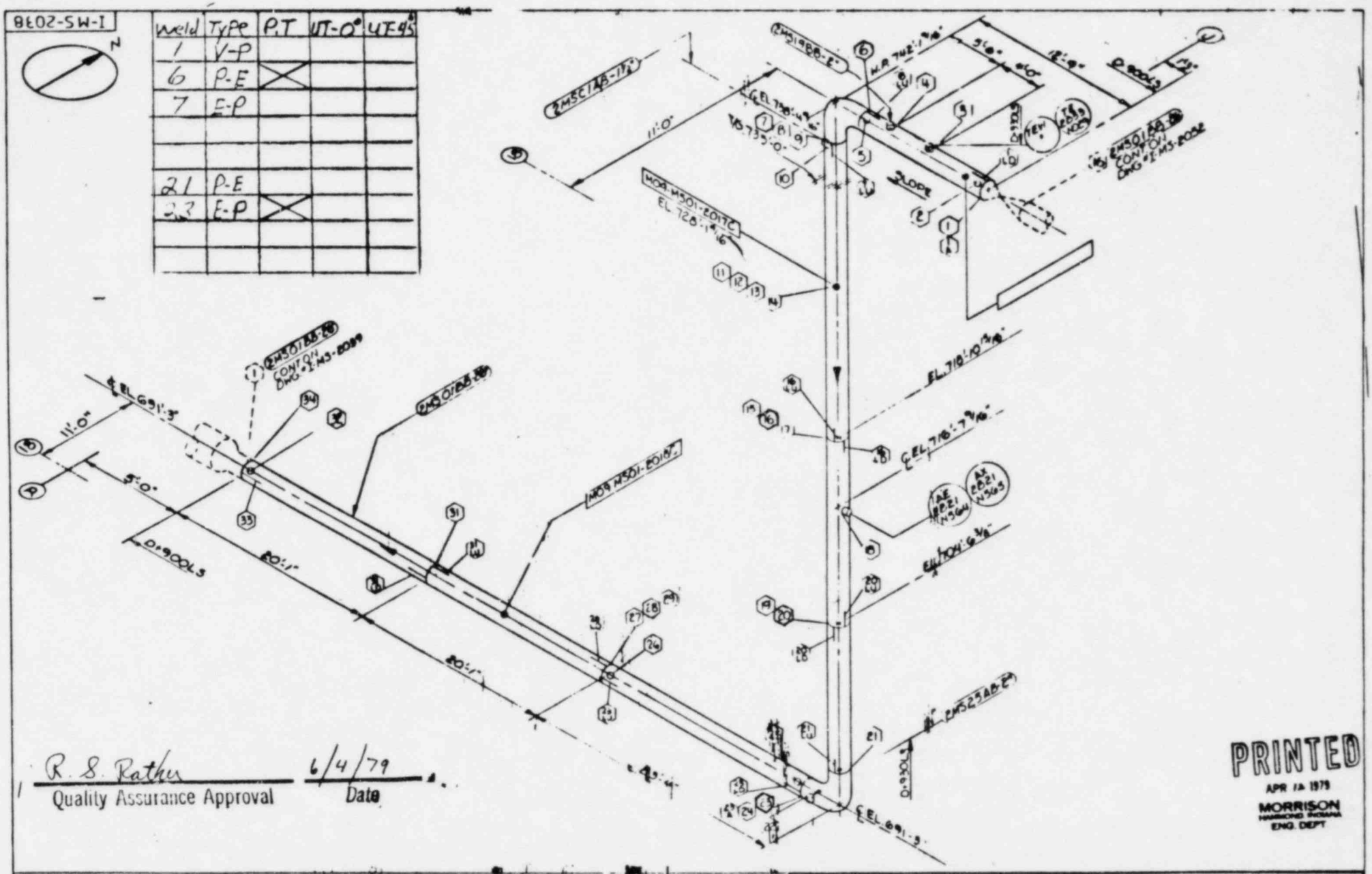
Drawn G.P. Date 11-4-78
Checked Date
APPVD Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

I-MS-2037

I-MS-2038

Weld	Type	P.T	UT-0°	UT-45°
1	V-P			
6	P-E	X		
7	E-P			
21	P-E			
23	E-P	X		



R. S. Rathe — 6/4/79

Quality Assurance Approval — Date

PRINTED
APR 12 1979
MORRISON
HAMMOND INDIANA
ENG. DEPT

G.E. PSI REV.0, ADDITIONS: NONE. 6/20/79

PROCEDURES: PT #2, REV.5; UT. #1, REV.4
U.T. CAL. STD: 01-26-02

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY	ATW	6-4-79

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

J.I.N. 2000 To 900 900 307 — Chief: ATW — By: 10-25-78
TSI B&SED ON ASME SECT XI E — Checked — Date
MCCO# ISI-OL-102/A — APP.'S — Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

Ref. Dwg. No. M-900-1F, 2F, 900-1L
M-110 2/A

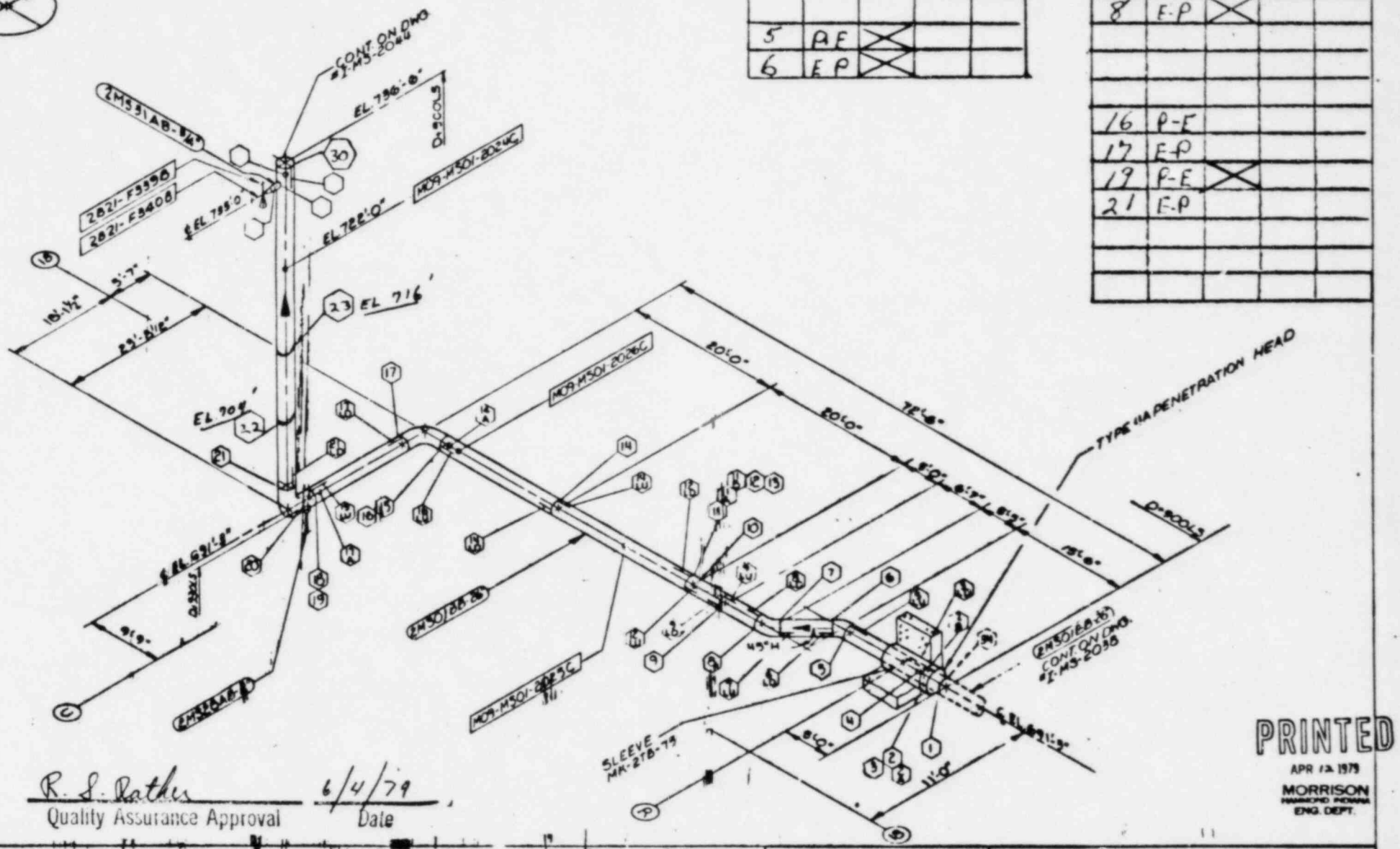
MCCO ISO# I-MS-2038

SHEET 1

6EN2-SW-.

Weld	Type	PT	UT-0°	UT-45°
1	EH-P	X		
5	P-E	X		
6	E-P	X		

Weld	Type	PT	UT-0°	UT-45°
7	P-E	X		
8	E-P	X		
16	P-E			
17	E-P			
19	P-E	X		
21	E-P			



R. L. Rather — Quality Assurance Approval

6/4/79 — Date

PRINTED
APR 12 1979
MORRISON
HAMMOND INDIANA
ENG. DEPT.

G.E. PSI REV.0. ADDITIONS: WELDS - 22 + 23 at elev. 704' & 716'. 5-21-79

PROCEDURES: PT-2, REV.5; UT-1, REV.4.
UT. CAL. STD.: 01-26-02

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

PSI BASED ON ASME SECT. XI E — ATW — 11-7-78
MCCO # J51-QL-102A

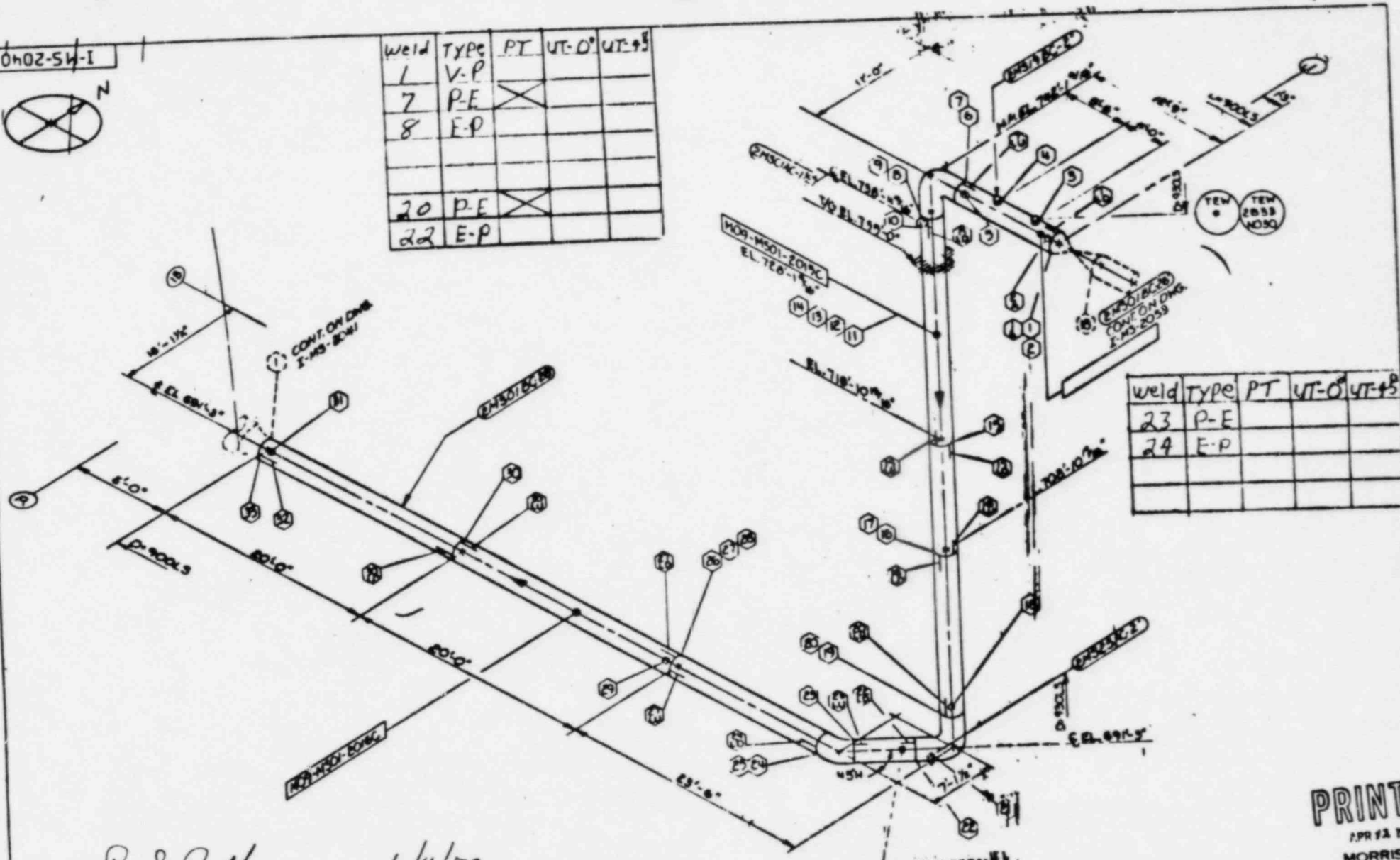
COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

REF. DWG. NO. M-118-2/A, M-900-2/B, BE-900-2/
MCCO SO #
I-MS-2039

SHEET 1

I-MS-2040

Weld	Type	PT	UT-0°	UT-45°
1	V-P			
7	P-E	X		
8	E-P			
20	P-E	X		
22	E-P			



Weld	Type	PT	UT-0°	UT-45°
23	P-E			
24	E-P			

R. S. Rather — Quality Assurance Approval

6/4/79 — Date

PRINTED
APR 23 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT

G.E. PSI REV. 0 ; ADDITIONS: NONE 5/31/79

PROCEDURES: UT-1, REV. 4; PT-2 REV. 5.
IIT CAL. STD: 01-26-02

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		4-13-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

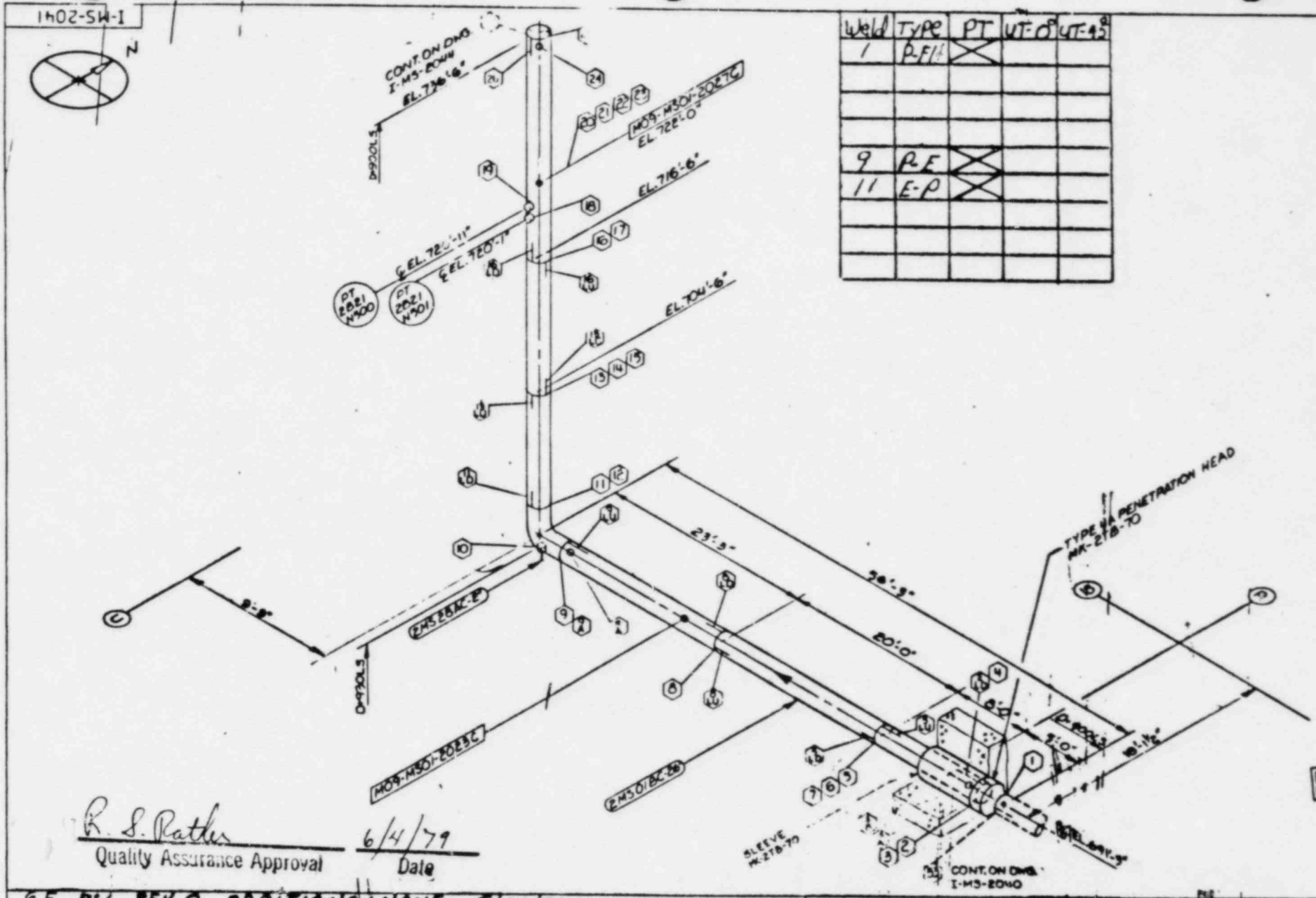
ISI BASED ON ASME SECT. XI E
M-1-0 ISI-OLY 1021A

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

M-1-0-2/A — I-MS-2040

SHEET 1

I-MS-2041



Weld	Type	PT	UT-0°	UT-45°
1	P-FIL	X		
9	P-E	X		
11	E-P	X		

R. S. Rather
Quality Assurance Approval

6/4/79
Date

G.E. PSI REV. 0. ADDITIONS NONE 6/21/79

PROCEDURES: UT #1 REV. 4, PT #2 REV. 5.
U.T. CAL. STD.: 01-26-02.

PRINTED
APR 13 1979
MORRISON ENG. DEPT.

REVISIONS			
REV			
0	PRELIMINARY		4-11-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI 1974 EDITION
M-2-2-OL-10E/A

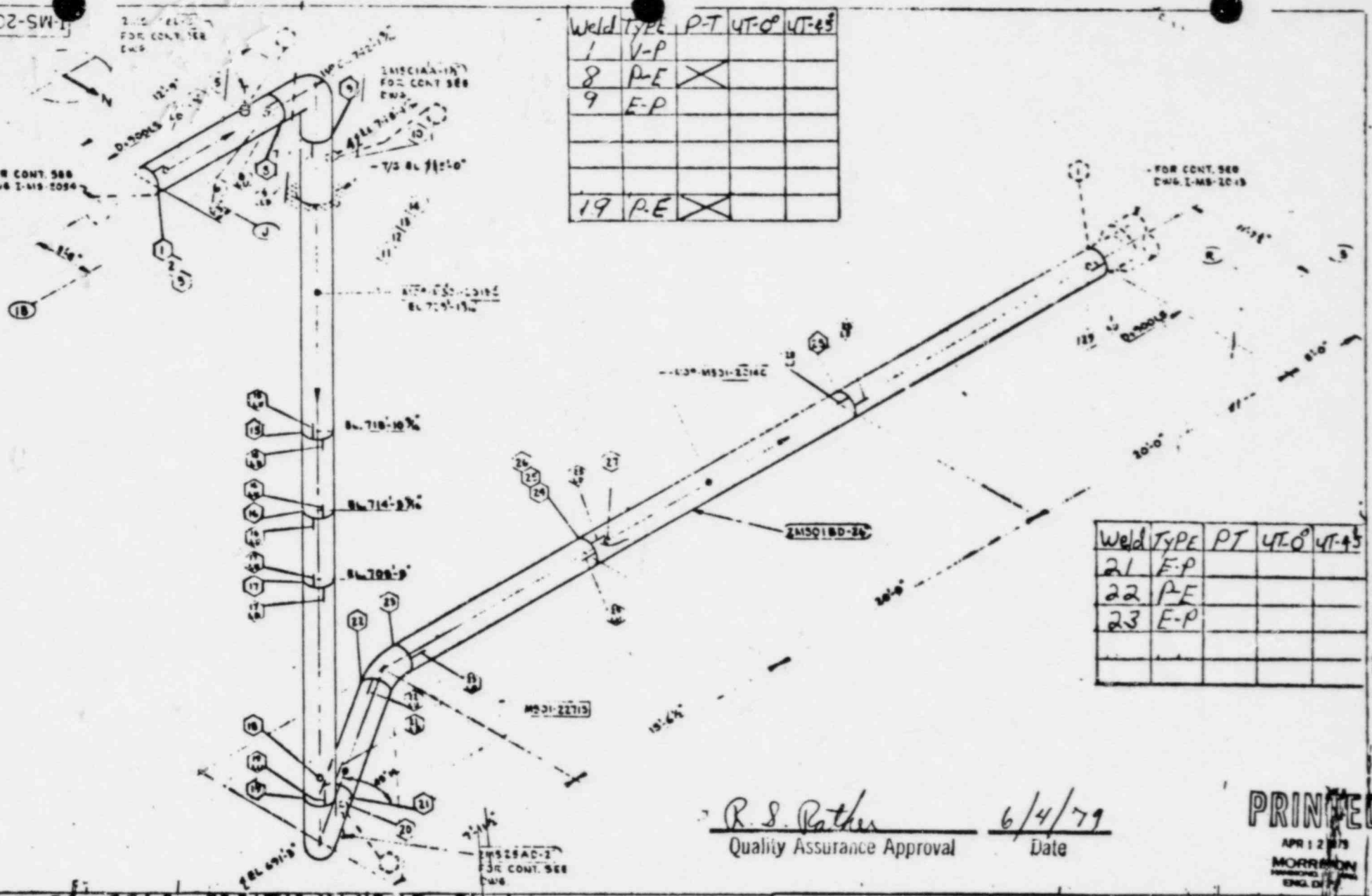
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

BE-900-E

I-MS-2041

SHEET 1

I-MS-2042



Weld	TYPE	P-T	UT-0°	UT-45°
1	V-P			
8	P-E	X		
9	E-P			
19	P-E	X		

Weld	TYPE	PT	UT-0°	UT-45°
21	E-P			
22	P-E			
23	E-P			

R. S. Rather — Quality Assurance Approval

6/4/79 — Date

PRINTED
APR 12 1979
MORRISON ENGINEERING

G.E. PSI REV. 0 ADDITIONS: NONE 5/31/79

PROCEDURES: PT #2 REV 5; UT #1 REV 4.
U.T. CAL. STD: 01-26-02

REVISIONS			
NO.			DATE
1	P.E. Weld Map		4-9-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

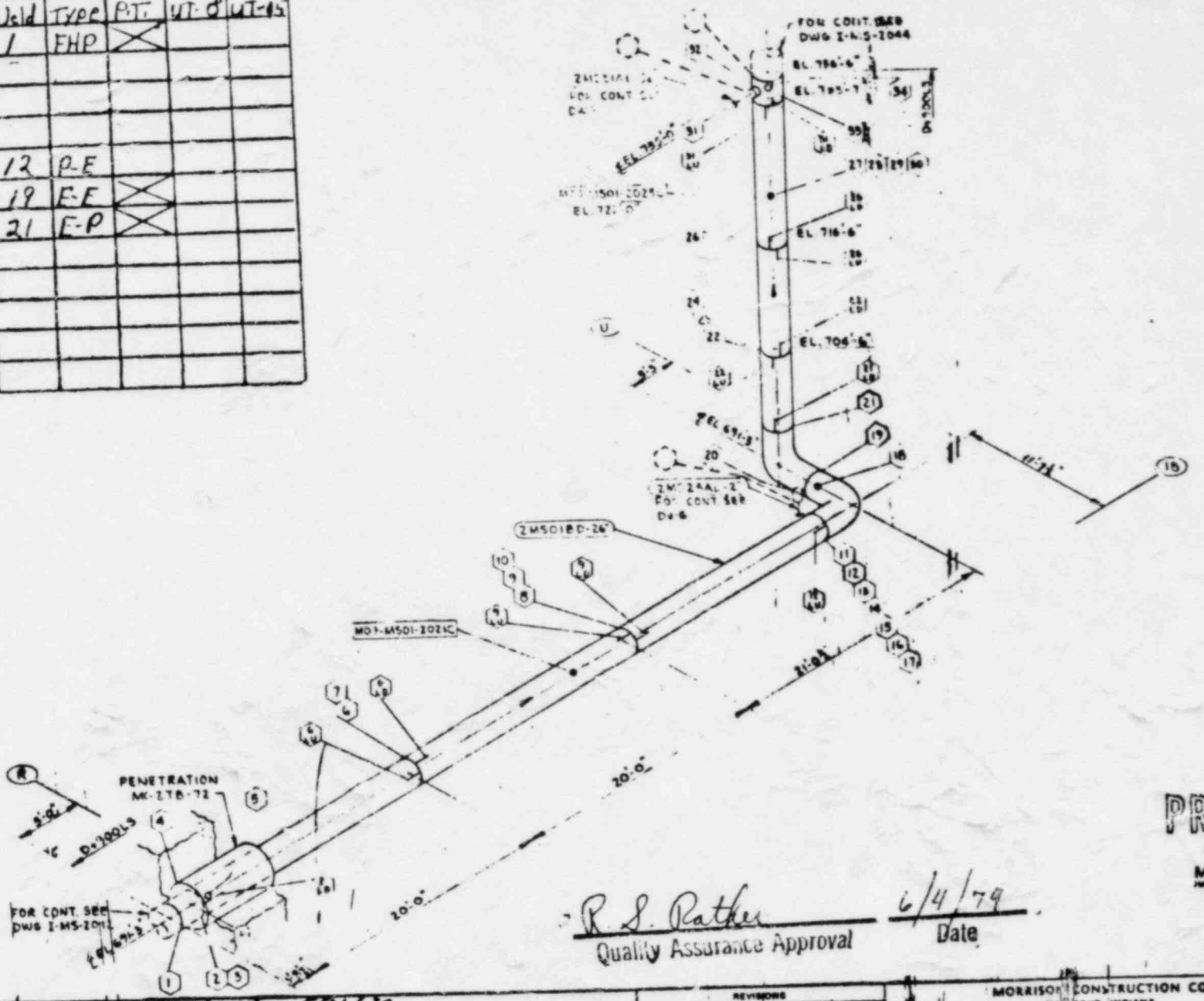
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION U. 1 & 2
INSERVICE INSPECTION
MAIN STEAM

I-MS-2042

SHEET 1

I-MS-2043

Weld	Type	PT	UT-0	UT-45
1	FHP	X		
12	P-E			
19	E-E	X		
21	E-P	X		



R. S. Rather
Quality Assurance Approval

6/4/79
Date

PRINTED
APR 9 1979
MORRISON ENG. DEPT.

E.E. PSI REV.0. ADDITIONS: NONE. 5/31/79

PROCEDURES: UT#1 REV.4. PT#2 REV.5.
U.T. CAL. STD.: 01-26-02

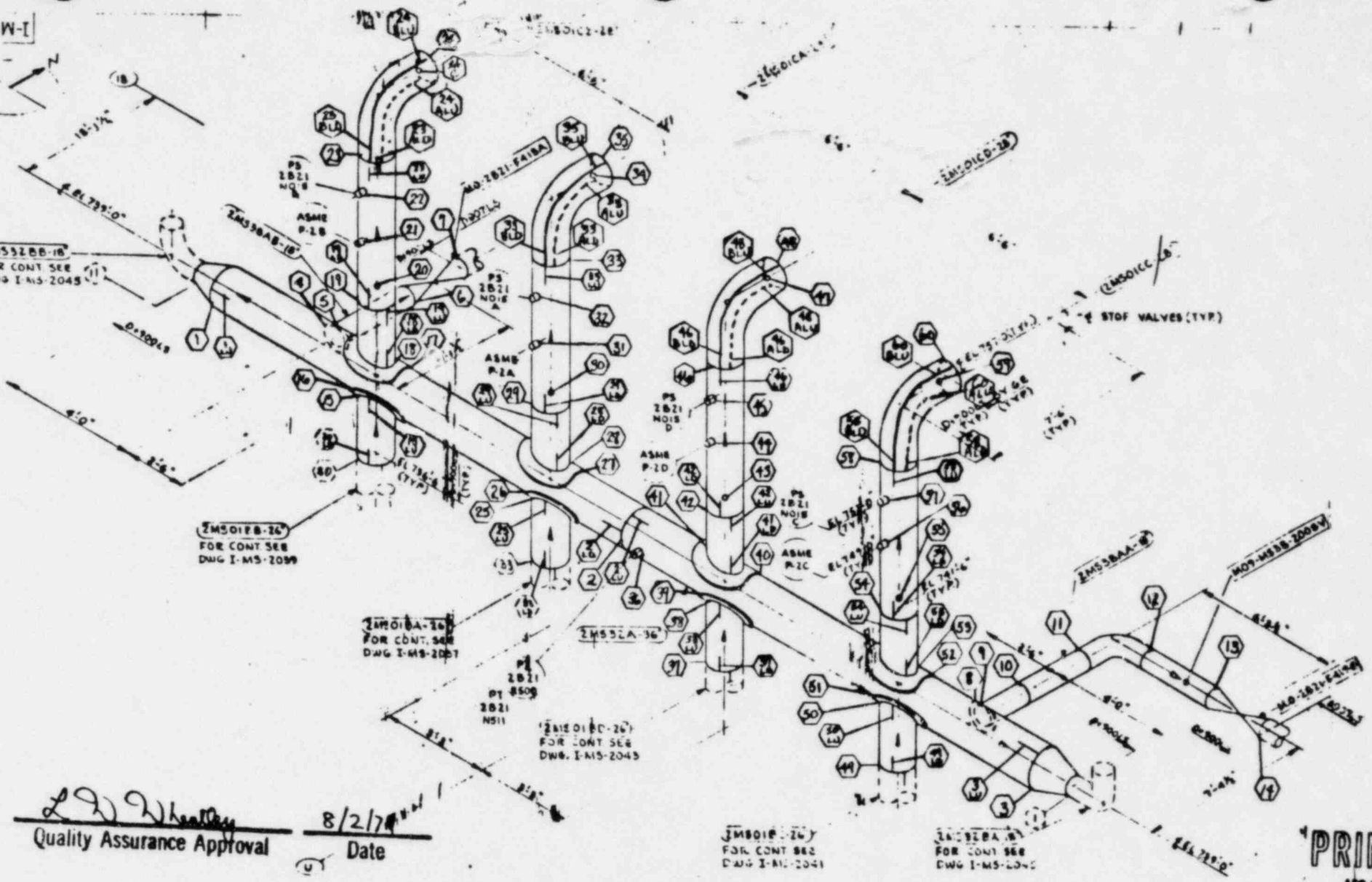
REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		5-14-79

MORRISON CONSTRUCTION CO.
MATTOON, ILLINOIS

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
MAIN STEAM

I-MS-2043

I-MS-2044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2MS-1B21-F418FL
2MS-1B21-F418FM
2MS-1B21-F418FN
2MS-1B21-F418FP
2MS-1B21-F418FQ
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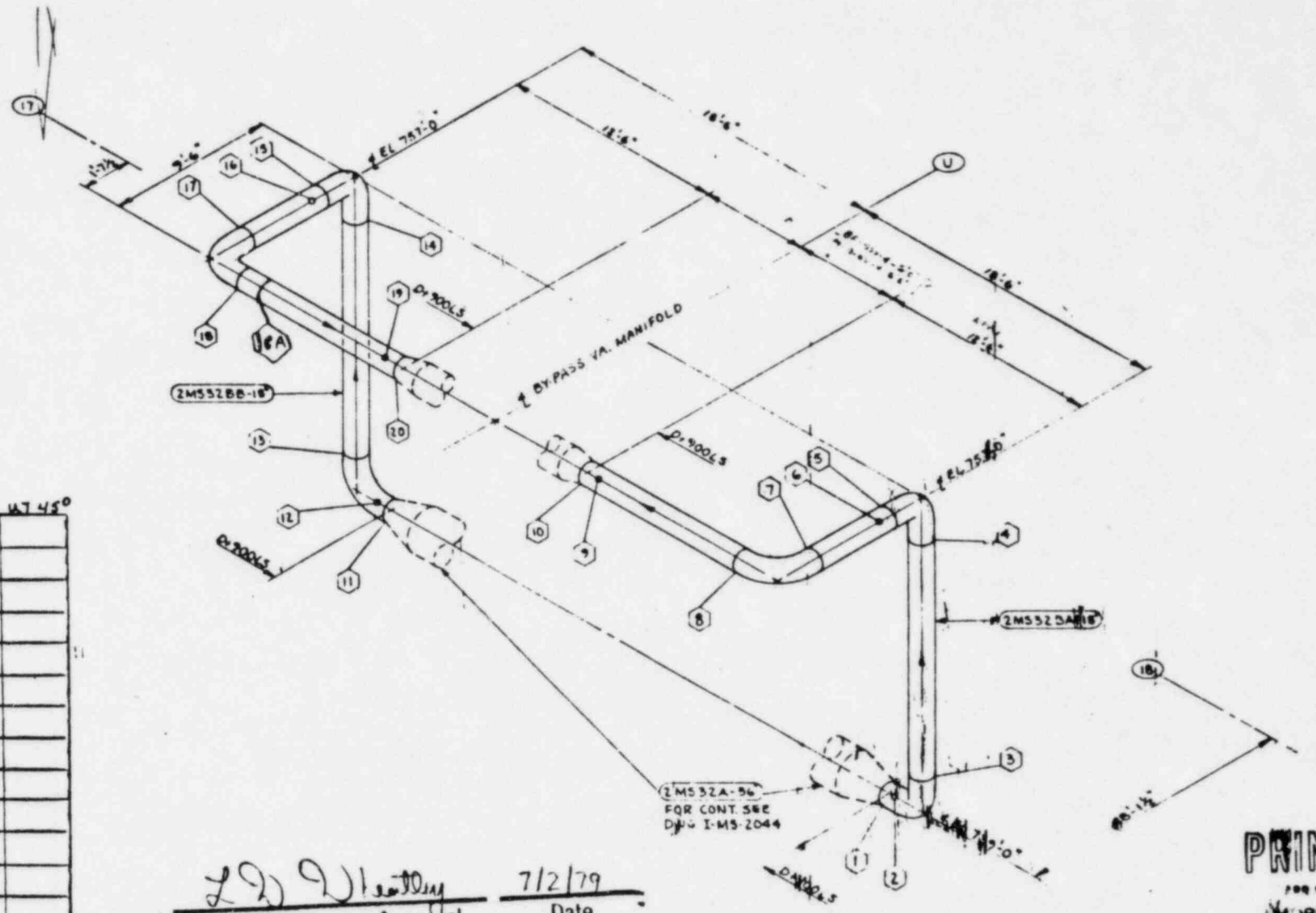
I-MS-2045



Weld	Type	PT	UT 0°	UT 45°
1	R-E			
3	E-P			
4	P-E			
5	E-P			
7	P-E			
8	E-P			
10	P-R			
11	R-E			
13	E-P			
14	P-E			
15	E-P			
17	P-E			
18	E-P			
18A	P-P			
20	P-R			

Quality Assurance Approval — Date: 7/2/79

PRINTED
JUL 2 1979
MORRISON
ENG. DEPT.

G.E. P.S.I. Rev. 0
ASME Cat. C-F
Procedures: MPUPS751/4, PPS751/5
UT Cal. Std. all welds 01-18-03

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		4-12-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

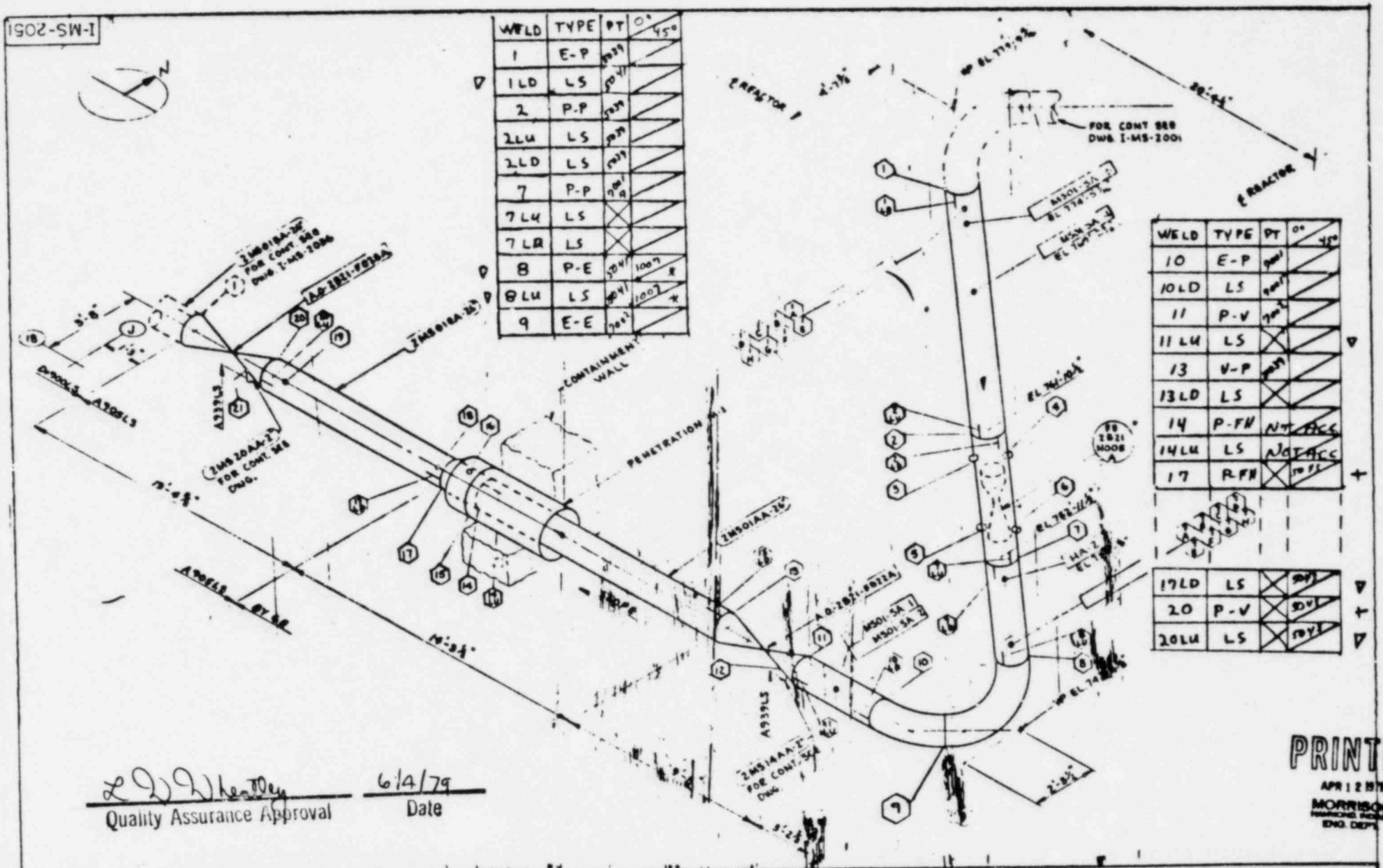
ISI BASED ON ASME SEC XI 1974 EDITION W'75 SUM. ISI-SK-102

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

I-MS-2045

SHEET 1

I-MS-2051



L D Wheatley
Quality Assurance Approval

6/4/79
Date

PRINTED
APR 12 1979
MORRISON
ENG. DEPT.

G.E. PSI REV. 0 No ADDITIONS 5-18-79
REV. 1. CHANGES NOTED BY "D" . EDS NO's TO DATE 5/29/79
REV. 2. CHANGES NOTED BY + . EDS NO's TO DATE 6/1/79

PROCEDURES: PT-2 REV. 5; UT-1 REV. 4.
UT. CAL STD. 01-26-01 FOR WELDS 1→14, 01-26-02 FOR 17 & 20
17LD, 20LH

PARTIAL: 17 UT 11 PT

REVISIONS

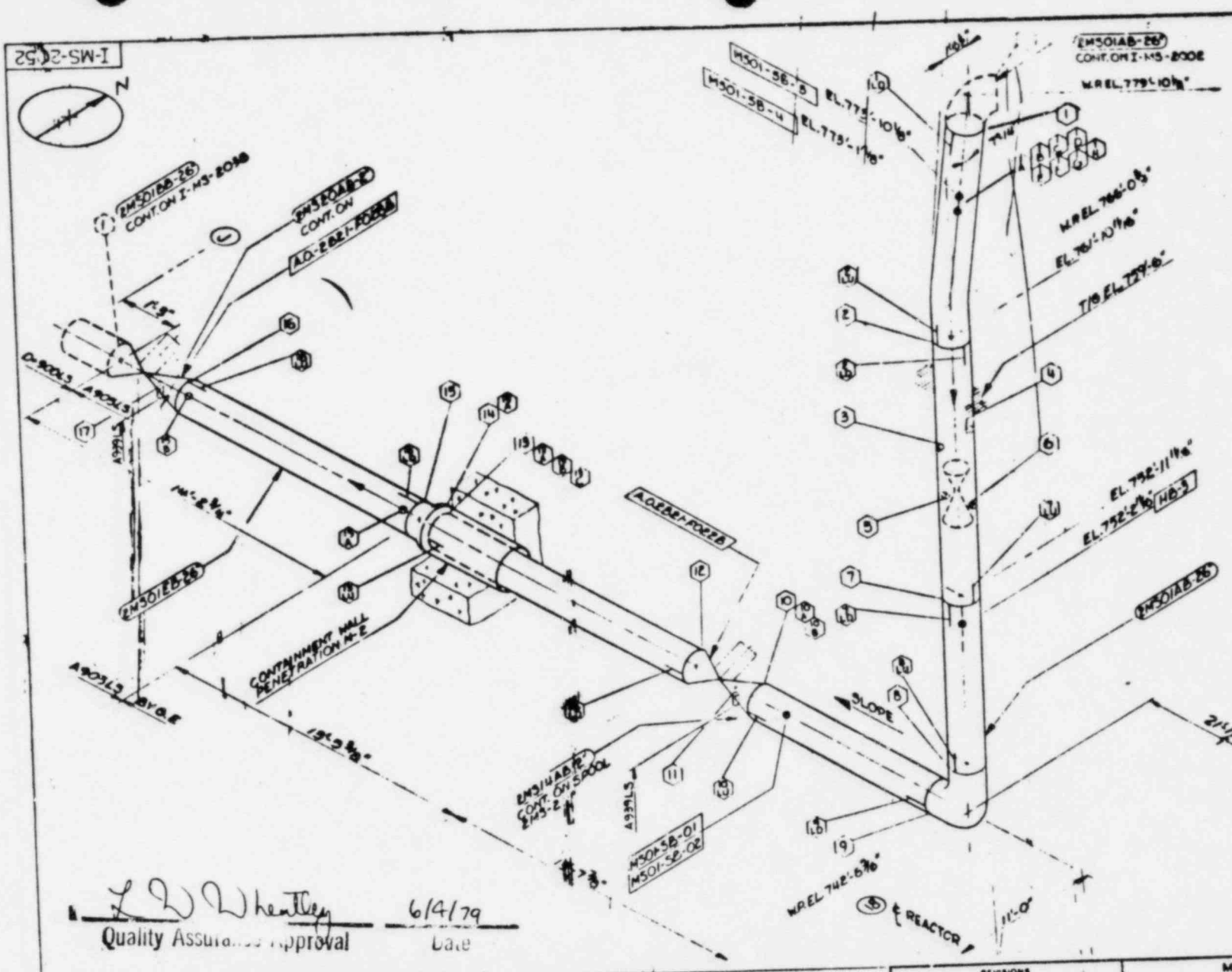
MORRISON CONSTRUCTION CO.
RAYMOND, INDIANA

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
MAIN STEAM

I-MS-2051

SHEET 1

I-MS-2052



WELD	TYPE	PT	0°	45°
1	E-P	50V0		
1 LD	LS			
2	P-P			
2 LU	LS			
2 LD	LS			
7	P-P	50V0		
7 LU	LS			
7 LD	LS			
8	P-E	50V0	50V0	
8 LU	LS		50V0	
9	E-P	50V0	50V0	
9 LD	LS	50V0	50V0	
10	P-V	50V0	50V0	
10 LU	LS	50V0	50V0	
12	V-P	50V0	50V0	
12 LD	LS		50V0	
13	P-FH		NOT INSP	
13 LU	LS		NOT ACC	
+ 15	P-FH		50V0	
▽ 15 LU	LS		50V0	
16	P-V	50V0	50V0	
▽ 16 LU	LS		50V0	

L W Whentley 6/4/79
Quality Assurance Approval Date

PRINTED
APR 12 1979
MORRISON HAMMOND, INDIANA ENG. DEPT.

G.E. PSI REV. 0. NO ADDITIONS. ▽ 4-24-79
REV. 1. CHANGES NOTED BY ▽. EDS No's TO DATE 5/29/79
REV. 2. CHANGES NOTED BY +. EDS No's TO DATE 6/1/79

PROCEDURES: PT = 2 REV. 5; UT = 1 REV 4.
UT CAL STD 01-26-01 FOR WELDS 1 & 13; 01-26-02 for 15 & 16 SLD & LU

PARTIAL: UT 16 PT 10

REVISIONS		
REV.		
0	PRELIMINARY	4/12/79

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

ATW 12-15-78

ISI BASED ON ASME SECT. XI 1974 ED. W/S 1975 ADD. W/S 1976 ADD. W/S 1977 ADD. W/S 1978 ADD.
NRC OL-1 OL-10/A

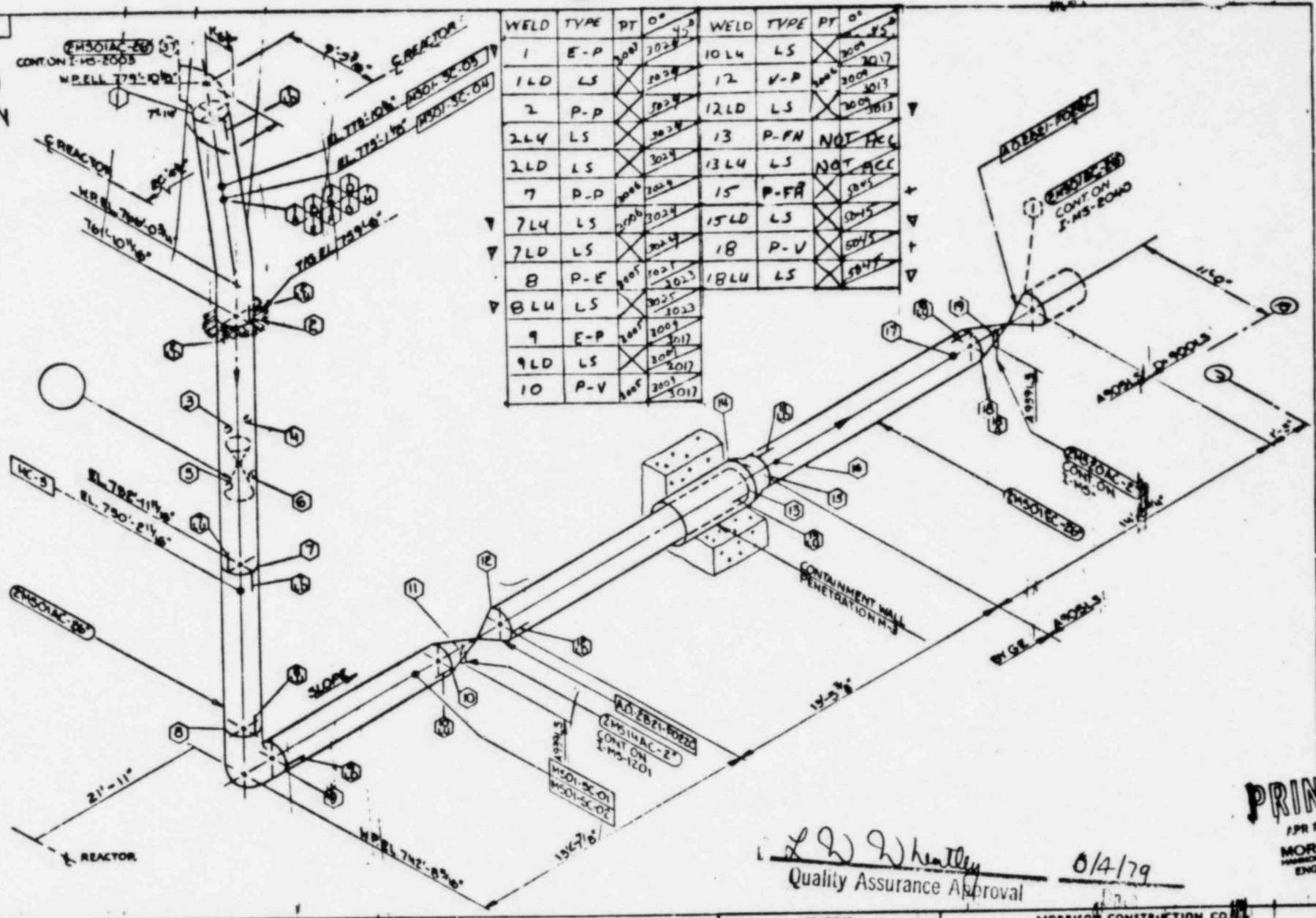
COMMONWEALTH EDISON CO LASALLE COUNTY STATION, UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

M-116-1/A M-900-1/F, BF-900-V1, 0E 761E944

I-MS-2052

SHEET 1

I-MS-2053



WELD	TYPE	PT	0°	45°
1	E-P	3009	3024	
1LD	LS		3024	
2	P-P		3024	
2LU	LS		3024	
2LD	LS		3024	
7	P-P	3006	3024	
7LU	LS	3006	3024	
7LD	LS		3024	
8	P-E	3007	3023	
8LU	LS		3023	
9	E-P	3007	3009	3017
9LD	LS		3009	3017
10	P-V	3007	3009	3017

WELD	TYPE	PT	0°	45°
10LU	LS		3009	3017
12	V-P	3006	3009	3013
12LD	LS		3009	3013
13	P-FN	NOT ACC		
13LU	LS	NOT ACC		
15	P-FA		3005	
15LD	LS		3005	
18	P-V		3004	
18LU	LS		3004	

L W Whatley 8/4/79
Quality Assurance Approval

PRINTE
APR 12 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT

G.E. PSI REV. 0. NO ADDITIONS 4-24-79
REV. 1. CHANGES NOTED BY "1". EDS. NOS TO DATE 6/22/79
REV 2 CHANGES NOTED BY "2". EDS. NOS TO DATE 6/11/79

PROCEDURES: PT-2 REV. 4; UT-1 REV. 5.
UT CAL STD 01-26-01 FOR WELDS 1 TO 13, 01-26-02 FOR 15, 15LD, 18LU

PARTIAL: 16 UT 9 PT

REVISIONS			
REV		BY	DATE
0	PRELIMINARY		4-17-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISE BASED ON ASME SECT. XI 1
NRC CO-151-01-10/A

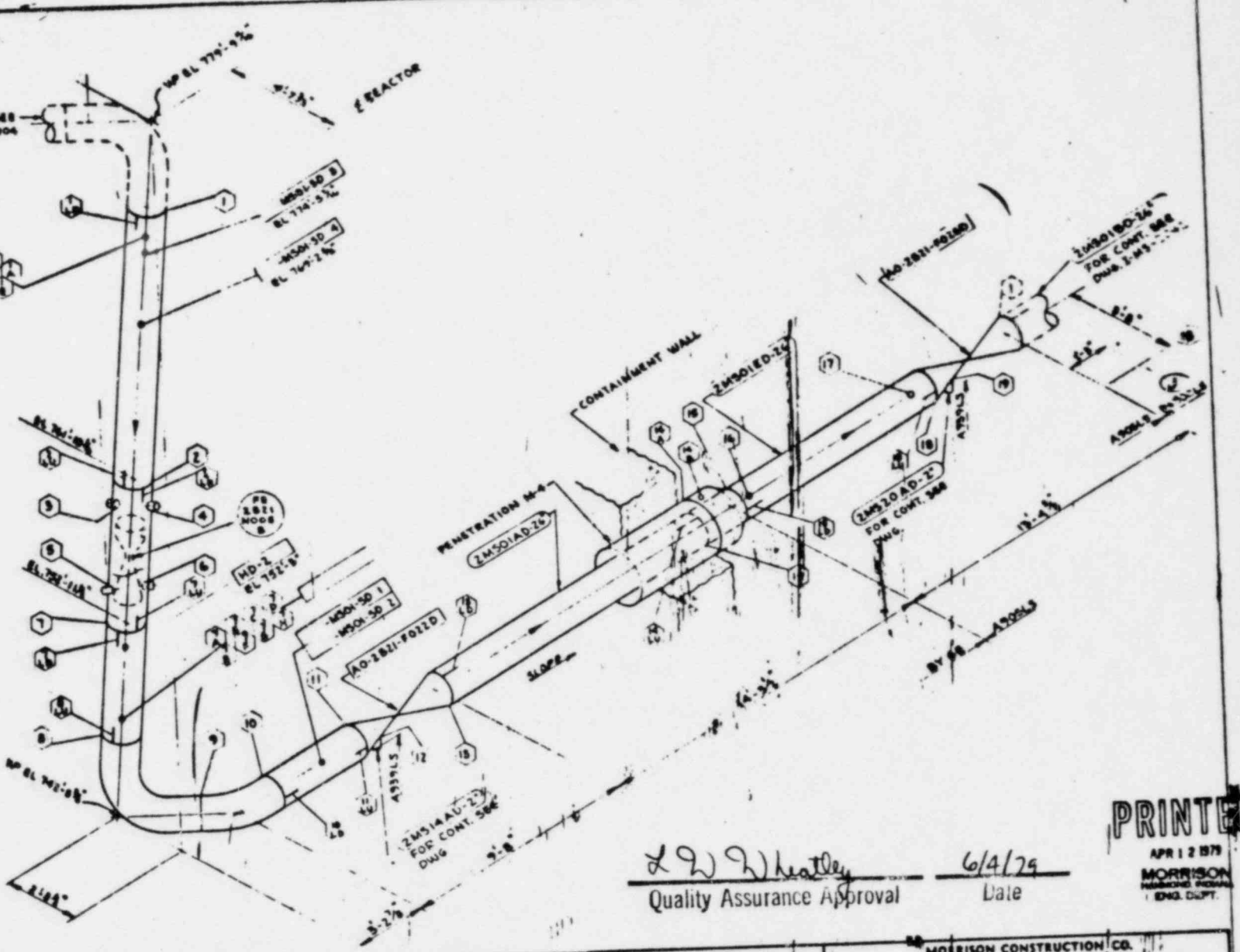
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
MAIN STEAM

HT Data No. BE-116-1A, BE-1001-1A, BE-900-111, GE-2611-994

MCC0180 I-MS-2053

SHEET 1

I-MS-2054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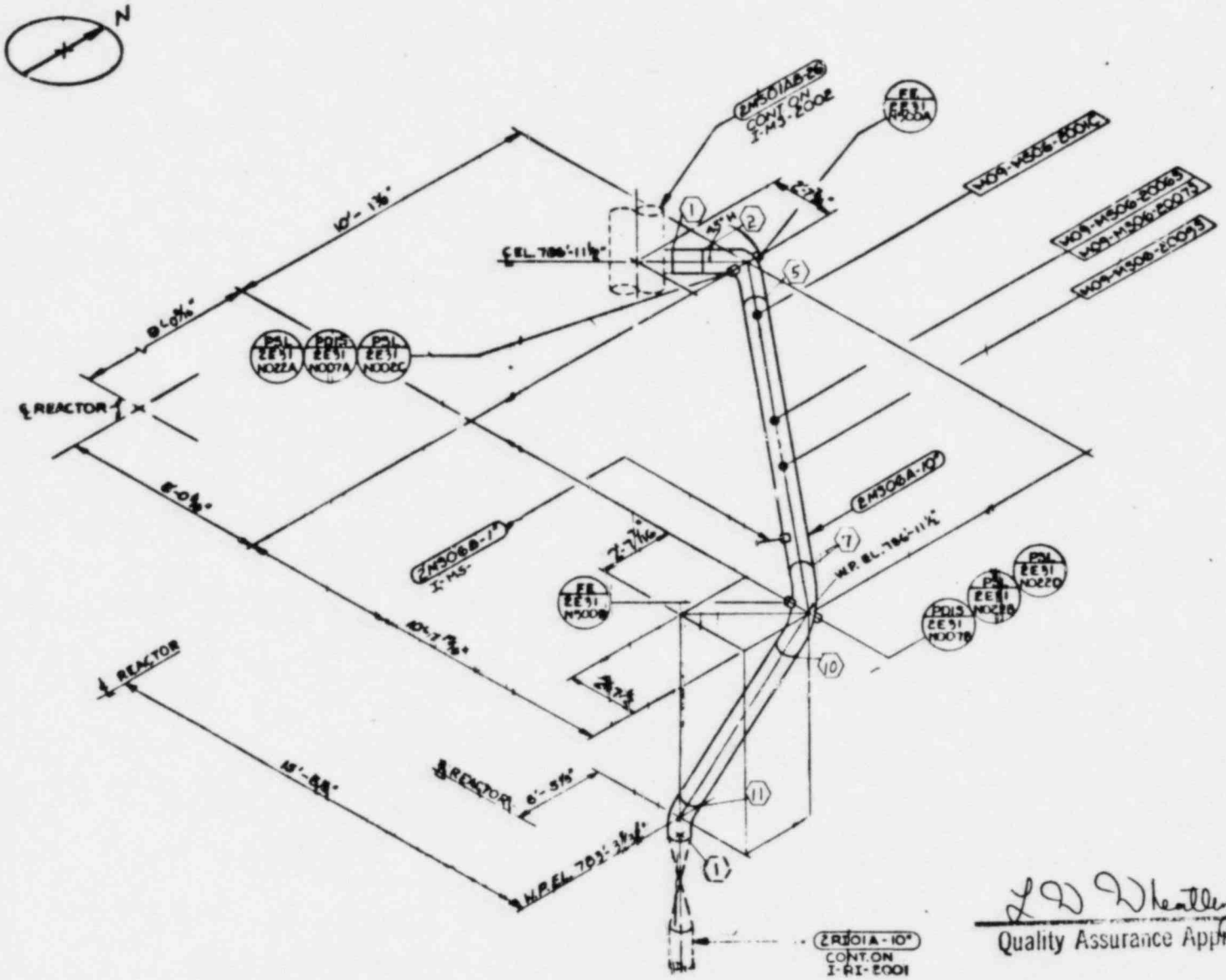
℄ REACTOR
CONTAINMENT WALL
PENETRATION M-4
2MS01AD-24
2MS01BD-24
2MS20AD-2"
2MS14AU-2"
FOR CONT. SEE DWG.
SLOPE
ANGLE
ANGLE
ANGL

MS-2055



1	W-P			
2	P-E			
5	E-P			
7	P-E			
10	E-P			
11	P-E			

L D Whatley
Quality Assurance Approval

10/20/80
Date

PRINTED
APR 12 1988
MORRISON
HAMMOND, INDIANA
ENG. DEPT

G.E. PSI Rev. 1
ASME Cat.: B-J
Procedures: MPUP-S751/6; PP-S751/7
UT Cat. Std.: 01-10-01 all welds.

REVISIONS				
REV	Description	By	Ck'd	Date
0	PRELIMINARY			4-12-88

MORRISON CONSTRUCTION CO.
HAMMOND INDIANA

Job No. 3466 Fx 984 980 307
ISI BASED ON ASME SECT. XI ℄
MCCO ISI-OL-101/A

Drawn ATW Date 2-12-88
Checked Date
APPVD Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
MAIN STEAM

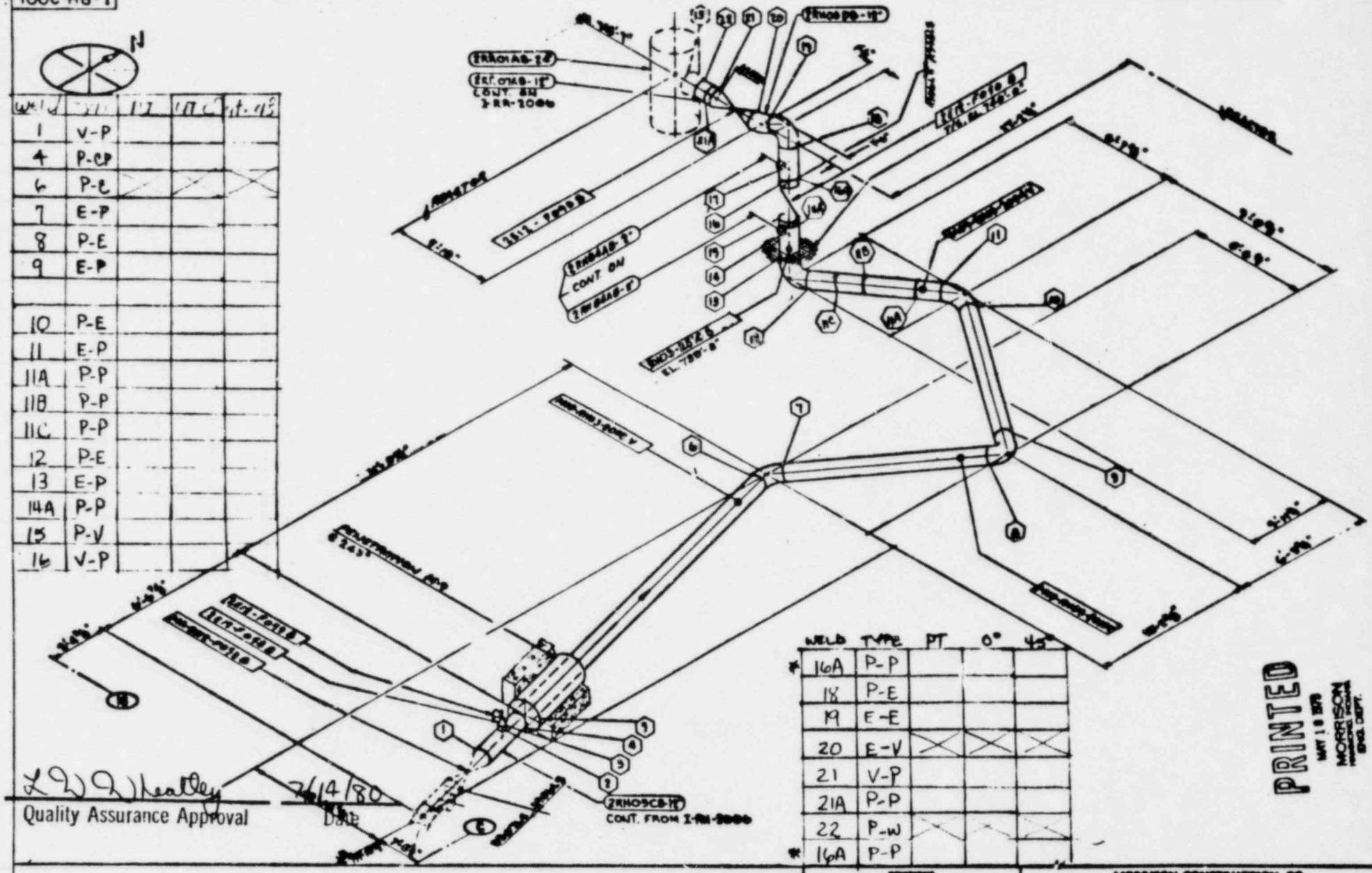
Bf. Dwg. No. M-1K-VA.M-500-VF...
BF-900-VI

MCCO ISO # I-MS-2055

SHEET 1

2228 6 81 877

1-RH-2001



WELD	TYPE	PT	0°	45°
1	V-P			
4	P-CP			
6	P-E	X	X	X
7	E-P			
8	P-E			
9	E-P			
10	P-E			
11	E-P			
11A	P-P			
11B	P-P			
11C	P-P			
12	P-E			
13	E-P			
14A	P-P			
15	P-V			
16	V-P			

WELD	TYPE	PT	0°	45°
* 16A	P-P			
18	P-E			
19	E-E			
20	E-V	X	X	X
21	V-P			
21A	P-P			
22	P-W	X	X	X
* 16A	P-P			

L D Healley 7/14/80
Quality Assurance Approval Date

PRINTED MAY 19 80

GE PSI Rev. 1
Procedures UT #1 Rev. 6 PT #2 Rev. 6
Cal. Blocks: 1-16A 01-12-03
16A-22 01-12-06

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		1-8-80
1	AS MODIFIED		3-28-80

MORRISON CONSTRUCTION CO.
MADISONVILLE, KENTUCKY

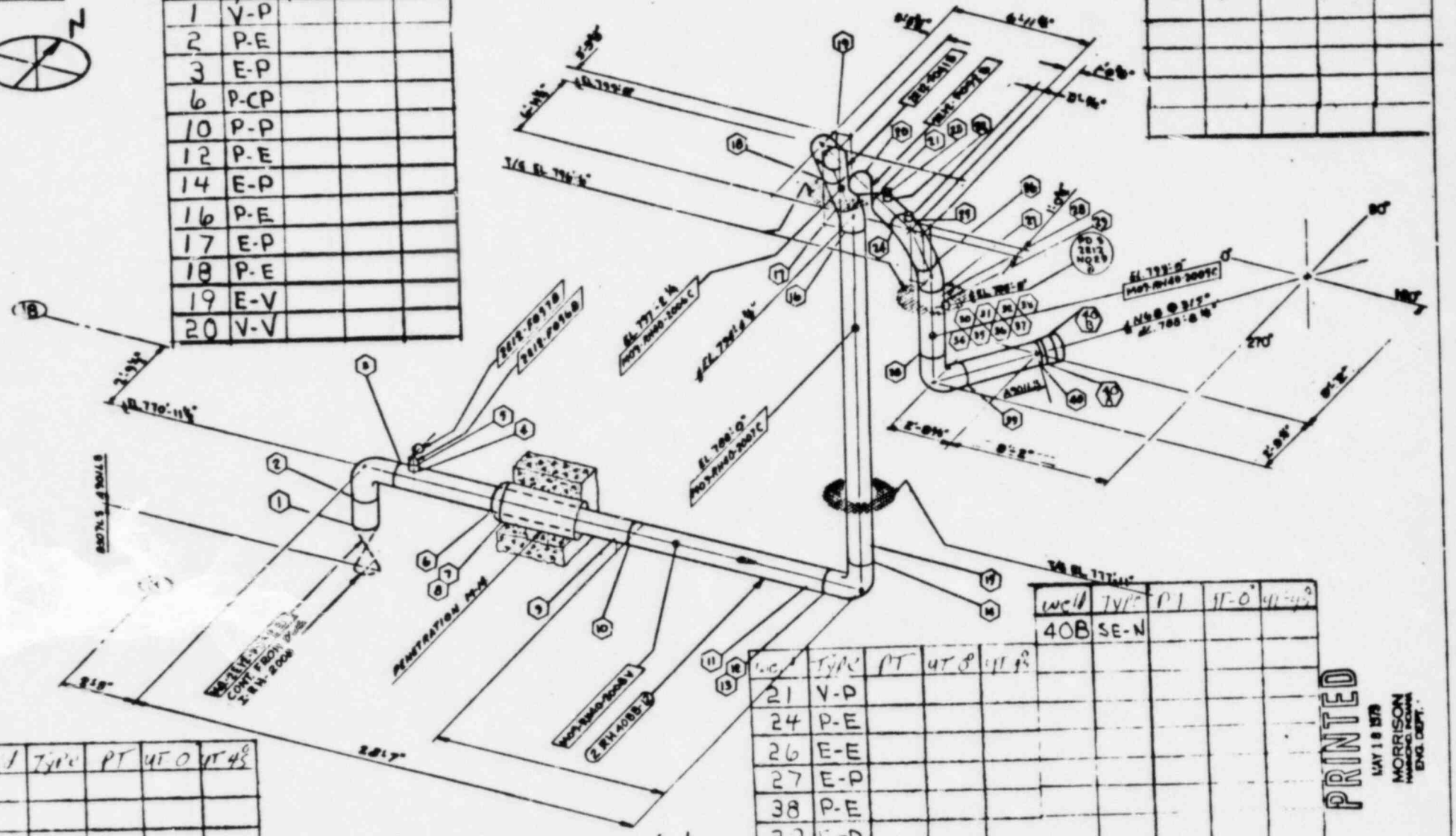
Job No. [illegible] Drawn [illegible] Date 2-28-80
I.S.I. BASED ON ASME SECT. XI Checked Date
1 INTVL 1ST 10 YRS Approved Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION U.1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF. Dwg. No. M-541 Sht. M-1 Rev. 1/1
M-543-1/1

WELD NO'S 1-RH-2001

1-RH-2002



Weld	Type	PT	UT-0°	UT-45°
1	V-P			
2	P-E			
3	E-P			
6	P-CP			
10	P-P			
12	P-E			
14	E-P			
16	P-E			
17	E-P			
18	P-E			
19	E-V			
20	V-V			

Weld	Type	PT	UT-0°	UT-45°

Weld	Type	PT	UT-0°	UT-45°
40B	SE-N			

Weld	Type	PT	UT-0°	UT-45°
21	V-P			
24	P-E			
26	E-E			
27	E-P			
38	P-E			
39	E-P			
40	P-EX			
40A	EX-SE			

Weld	Type	PT	UT-0°	UT-45°

L D Wheatley 10/17/80
Quality Assurance Approval Date

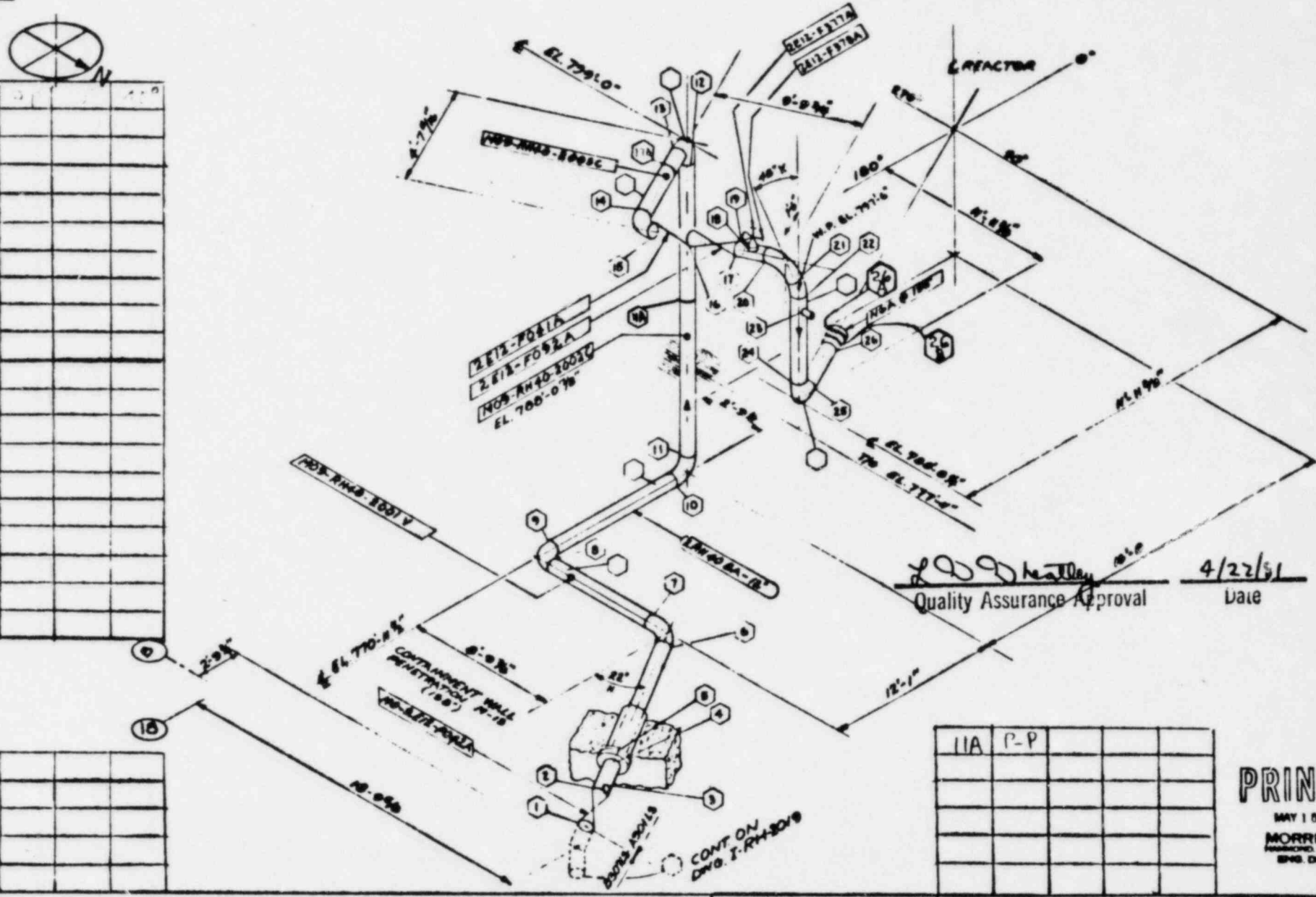
PRINTED
MAY 18 1978
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. PSI Rev. 2 Changes:
ASME Cat.: B-J, B-F as noted, B-K-1 #6
Procedures: PT #2 Rev. 7; UT #3 Rev. 3 welds 40A and 40B; UT #1 Rev. 6 all other welds.
UT Cal. Std.: 01-71-01 weld 40A; 01-70-02 weld 40B; 01-12-02 all other welds.

REVISIONS			
REV	Description	By	Date
2	PRELIMINARY		5-9-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA
Job No. 2000 Pg. 200 thru 207
Drawn D.J.F. Date 12-27-78
[1] BASED ON ASME SECT. XI & MCCO [81-01-134/1]
Checked Date
APPVD Date
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL
Ref Dwg Nos. M-828-1/1, M-833-1/1, M-863-1/1
MCCO ISO # 1-RH-2002
SHEET 1

I-RH-2003



WELD	TYPE			
1	E-V			
2	V-P			
4	P-CP			
6	P-E			
7	E-P			
8	P-E			
9	E-P			
10	P-E			
11	E-P			
12	P-E			
13	E-P			
13A	P-P			
14	P-E			
15	E-V			
16	V-V			
17	V-P			
20	P-E			
21	V-P			
22	P-P			
24	P-E			
25	E-P			
26	P-EX			
26B	EX-SE			
26A	SE-N			

11A	P-P			

L. D. Hartley 4/22/81
Quality Assurance Approval Date

PRINTED
MAY 18 1973
MORRISON ENGINEERING DEPT.

G.E. PSI Rev. 3 Changes: Added weld 11A
ASME Cat.: C-F, B-K-1, B-J, B-F
Procedure: PT #2 Rev. 7; UT #3 Rev. 3 welds 26A & 26B
UT #1 Rev. 6 all other welds
Cal. Std.: 01-12-01 weld 1; 01-71-01 weld 26B; 01-70-02 weld 26A
01-12-02 all other welds.

REVISIONS			
0	PRELIMINARY		5-8-73

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI
MCCC NC ISI-01-123/K

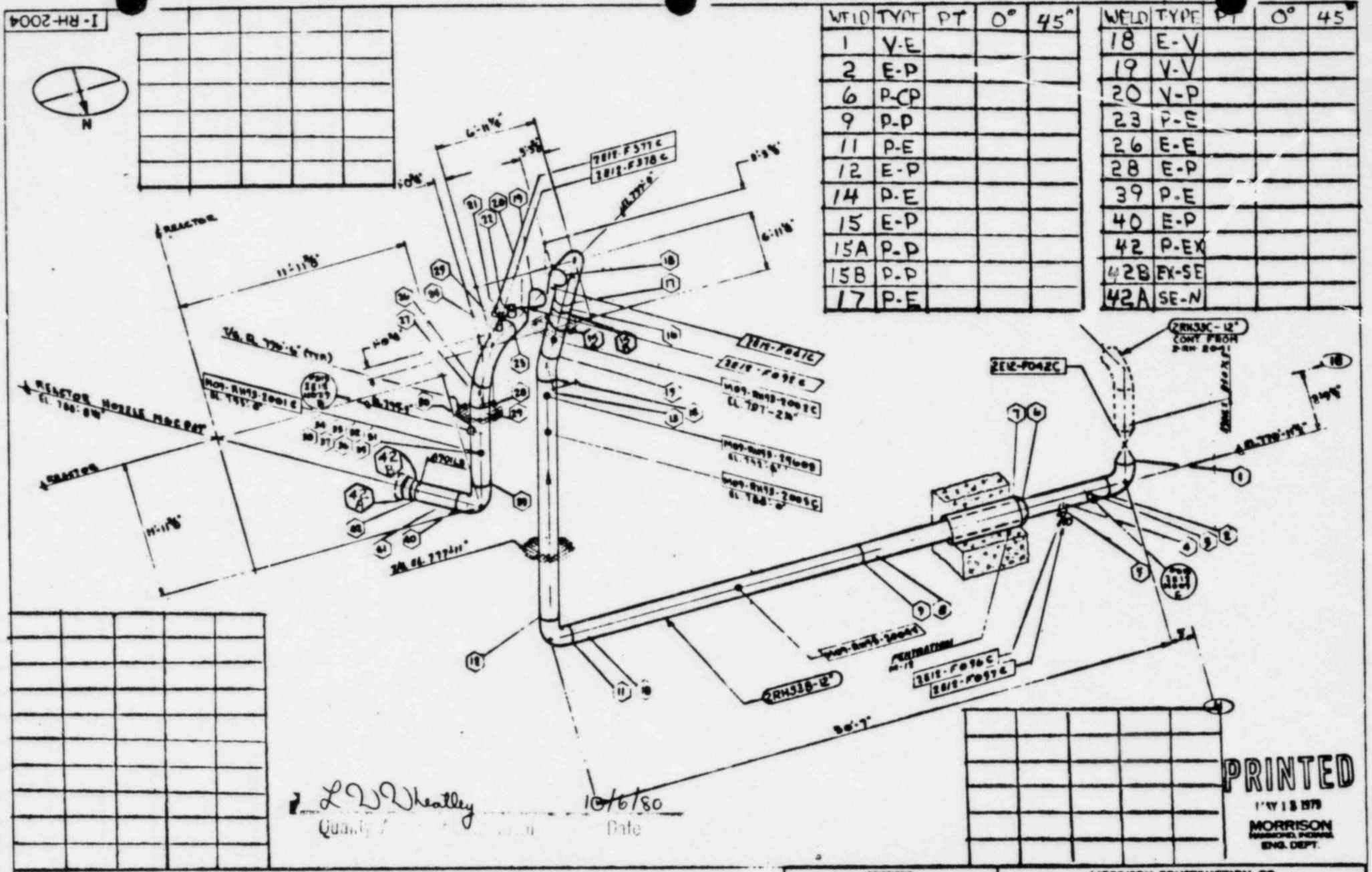
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

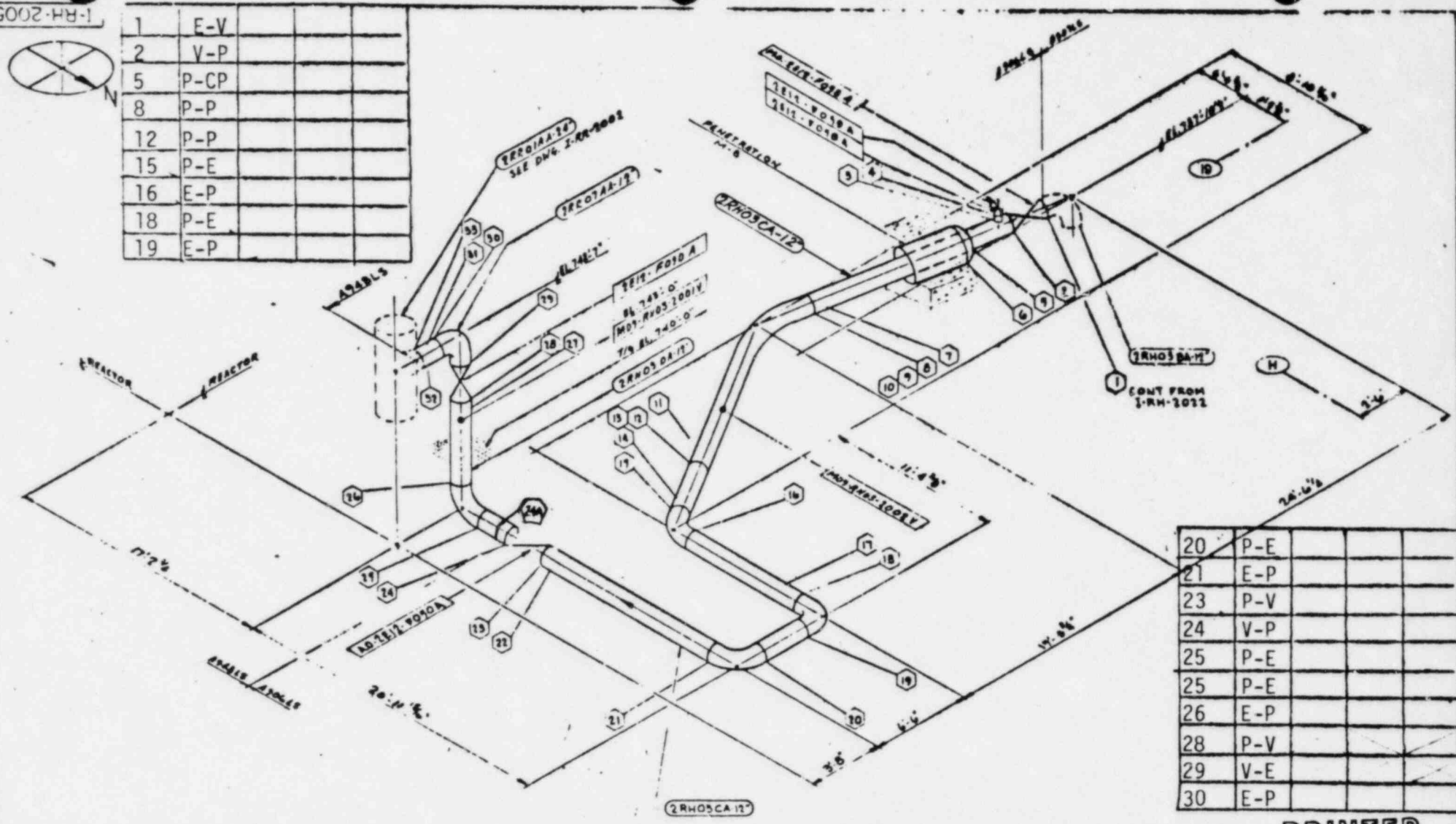
I-RH-2003

I-RH-2004

WELD	TYPE	PT	0°	45°
1	V-E			
2	E-P			
6	P-CP			
9	P-P			
11	P-E			
12	E-P			
14	P-E			
15	E-P			
15A	P-P			
15B	P-P			
17	P-E			

WELD	TYPE	PT	0°	45°
18	E-V			
19	V-V			
20	V-P			
23	P-E			
26	E-E			
28	E-P			
39	P-E			
40	E-P			
42	P-EX			
42B	EX-SE			
42A	SE-N			





1	E-V			
2	V-P			
5	P-CP			
8	P-P			
12	P-P			
15	P-E			
16	E-P			
18	P-E			
19	E-P			

20	P-E			
21	E-P			
23	P-V			
24	V-P			
25	P-E			
25	P-E			
26	E-P			
28	P-V			
29	V-E			
30	E-P			

33	P-W			
24A	P-P			

R W Weatherly
Quality Assurance Approval

9/7/79
Date

PRINTED
MAY 1 8 1979
MORRISON
HAMMOND INDIANA
ENG. DEPT.

G.E. P.S.I Rev. 0 Changes
ASME Cat.: C-F, BK1, B-J as noted on chart
Procedures: UT #1 Rev.4, PT #2 Rev. 5
UT Cal. Std.: 01-12-01 weld 1, 01-12-06 welds 25,26,28,29,30,33
01-12-03 all other welds including 25, 24A

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		7-18-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2005

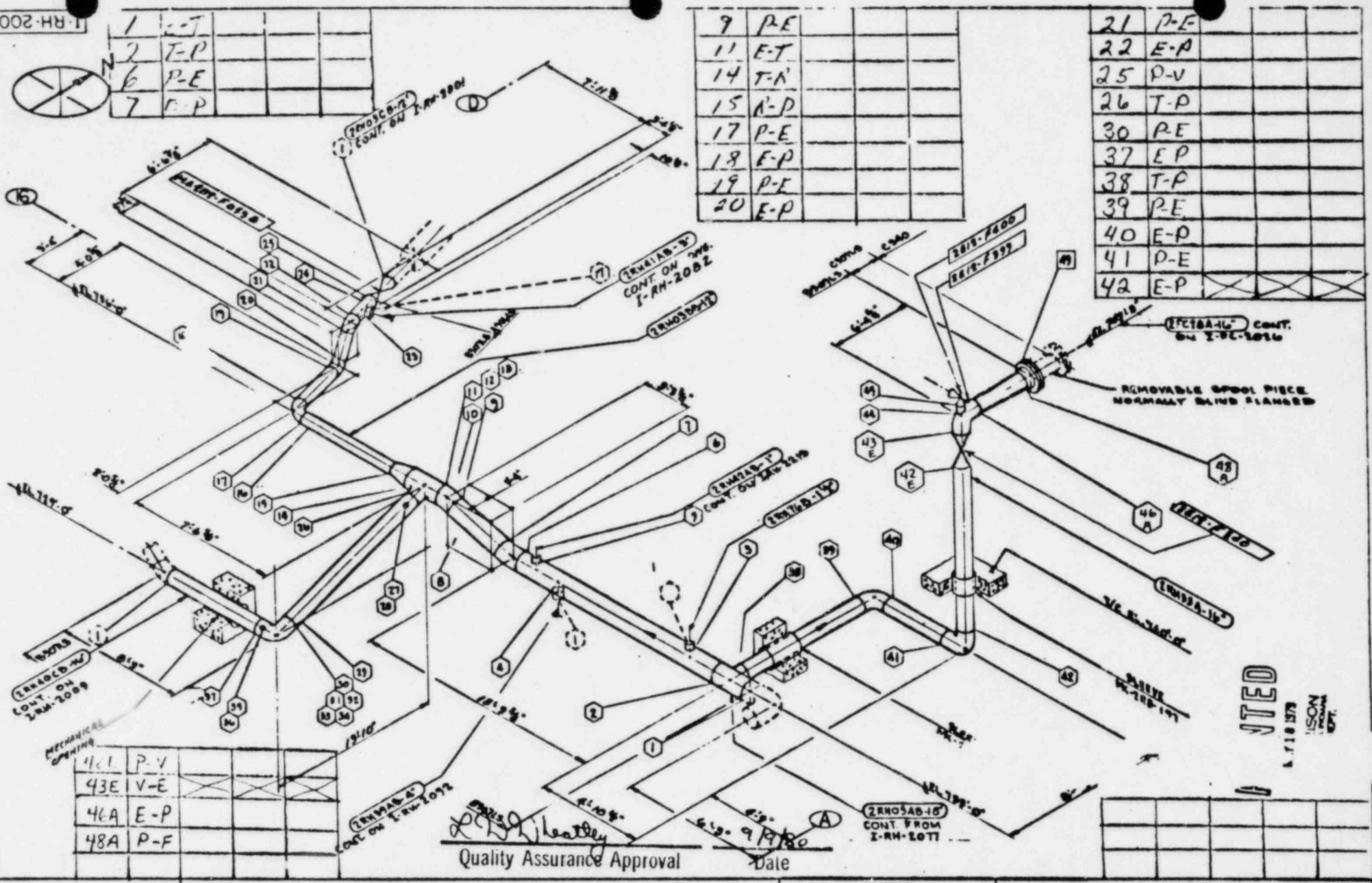
I-RH-2006

1	C-T
2	T-P
6	P-E
7	E-P

9	P-E
11	E-T
14	T-V
15	V-P
17	P-E
18	E-P
19	P-E
20	E-P

21	P-E
22	E-P
25	P-V
26	T-P
30	P-E
37	E-P
38	T-P
39	P-E
40	E-P
41	P-E
42	E-P

43E	P-V
43E	V-E
46A	E-P
48A	P-F



Quality Assurance Approval

Date

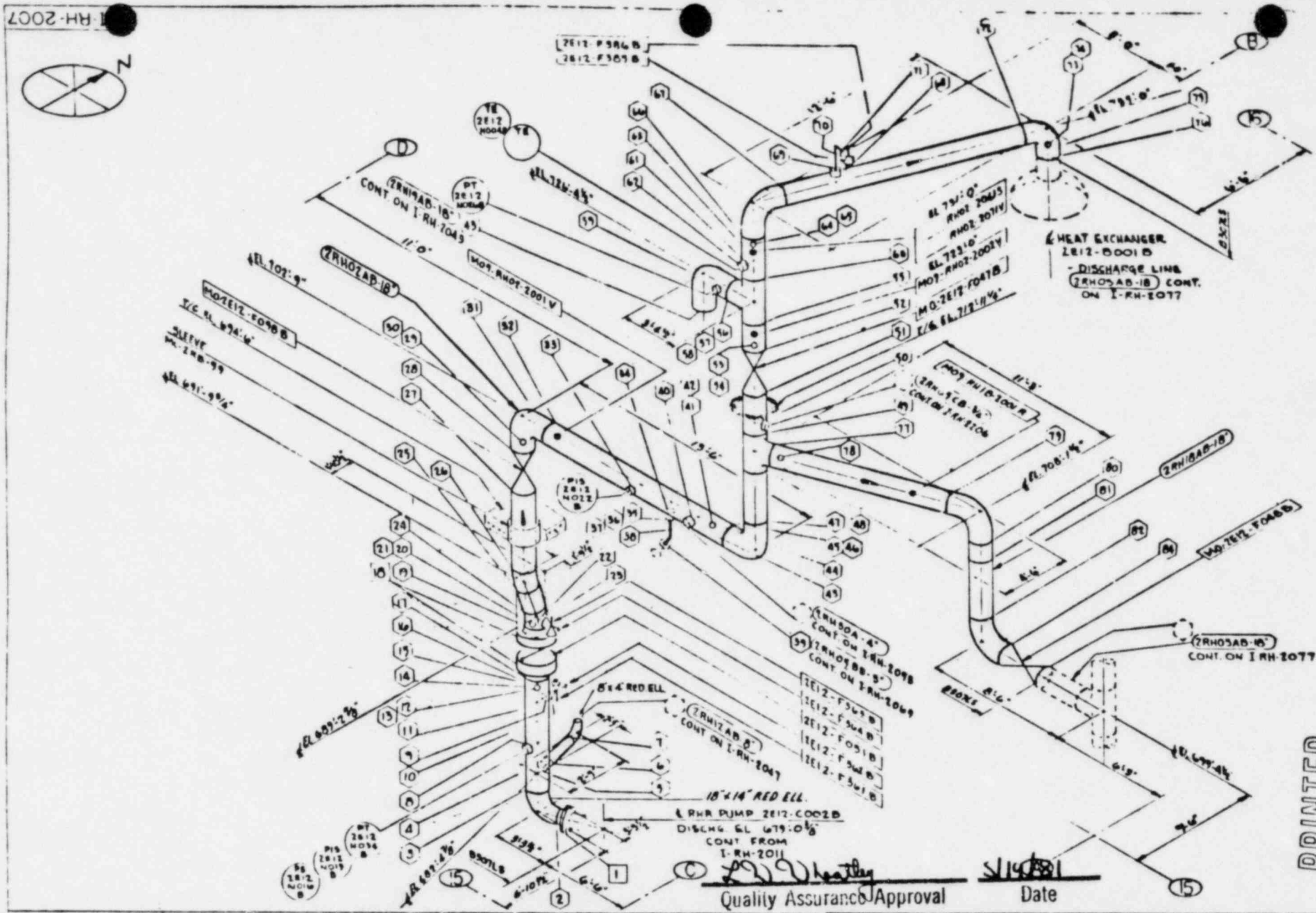
G.E. PSI Rev. 1 Changes: Changed valve 2E12-F340 Position
ASME Cat: C-F
Procedures: UT#1 REv. 6; PT#2 Rev. 7
UT Cat. Std: 01-18-01 Welds 1,2,6,7,9,11,14; 01-12-01 Welds 15,17 18,19,20,21,22,25; All other welds 01-16-01

REVISIONS			
NO.	Description	By	Date
0	PRELIMINARY		1-24-75

MORRISON CONSTRUCTION CO.
RAMSHORN, INDIANA

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2006



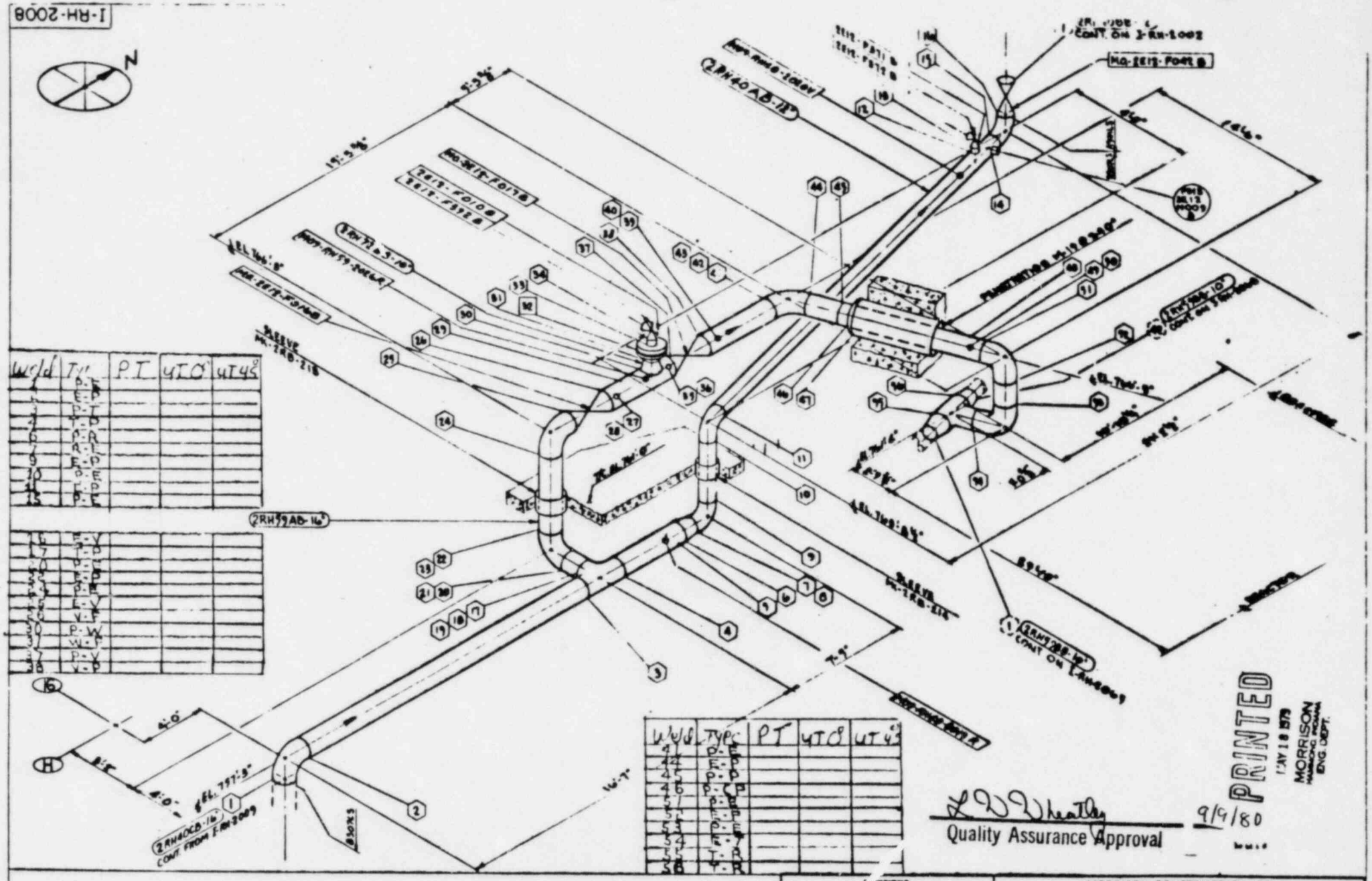
G.E. PSI Rev. 2 Changes: Deleted weld #83
ASME Cat.: C-F
Procedure: UT #1 Rev. 4; PT #2 Rev. 5
Cal. Std.: 01-14-03 weld 2; 01-08-02 welds 6,7
01-18-01 all other welds.

REVISIONS			
NO.	DESCRIPTION	BY	DATE
			5/18/79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2007



Weld	Type	PT	UT 0°	UT 45°
1	P-E			
2	P-E			
3	P-E			
4	P-E			
5	P-E			
6	P-E			
7	P-E			
8	P-E			
9	P-E			
10	P-E			
11	P-E			
12	P-E			
13	P-E			
14	P-E			
15	P-E			
16	P-E			
17	P-V			
18	P-V			
19	P-V			
20	P-V			
21	P-V			
22	P-V			
23	P-V			
24	P-V			
25	P-V			
26	P-V			
27	P-V			
28	P-V			
29	P-V			
30	P-V			
31	P-V			
32	P-V			
33	P-V			
34	P-V			
35	P-V			
36	P-V			
37	P-V			
38	P-V			
39	P-V			
40	P-V			
41	P-V			
42	P-V			
43	P-V			
44	P-V			
45	P-V			
46	P-V			
47	P-V			
48	P-V			
49	P-V			
50	P-V			
51	P-V			
52	P-V			
53	P-V			
54	P-V			
55	P-V			
56	P-V			

Weld	Type	PT	UT 0°	UT 45°
1	P-E			
2	P-E			
3	P-E			
4	P-E			
5	P-E			
6	P-E			
7	P-E			
8	P-E			
9	P-E			
10	P-E			
11	P-E			
12	P-E			
13	P-E			
14	P-E			
15	P-E			
16	P-E			
17	P-V			
18	P-V			
19	P-V			
20	P-V			
21	P-V			
22	P-V			
23	P-V			
24	P-V			
25	P-V			
26	P-V			
27	P-V			
28	P-V			
29	P-V			
30	P-V			
31	P-V			
32	P-V			
33	P-V			
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37	P-V			
38	P-V			
39	P-V			
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41	P-V			
42	P-V			
43	P-V			
44	P-V			
45	P-V			
46	P-V			
47	P-V			
48	P-V			
49	P-V			
50	P-V			
51	P-V			
52	P-V			
53	P-V			
54	P-V			
55	P-V			
56	P-V			

L D Wheatley 9/9/80
Quality Assurance Approval Date

G.E. PSI Rev. 2 Added welds 26-56
ASME Cat: C-F
Procedures: UT 31 Rev. 6; PT #2 Rev. 7
Cal. Stds: 01-12-01 Welds 7,9,10,11,15,16
01-10-02 Weld 31
01-16-01 All other welds

REV	Description	Date
A	PRELIMINARY	7-18-79

MORRISON CONSTRUCTION CO.
MADISONVILLE, KENTUCKY

Job No. 3000 PS 000 000 007 — Drawn — Date
ISI BASED ON ASME SECT XI (1974) — Checked — Date
MSSD 131-01-1241 — Approved — Date

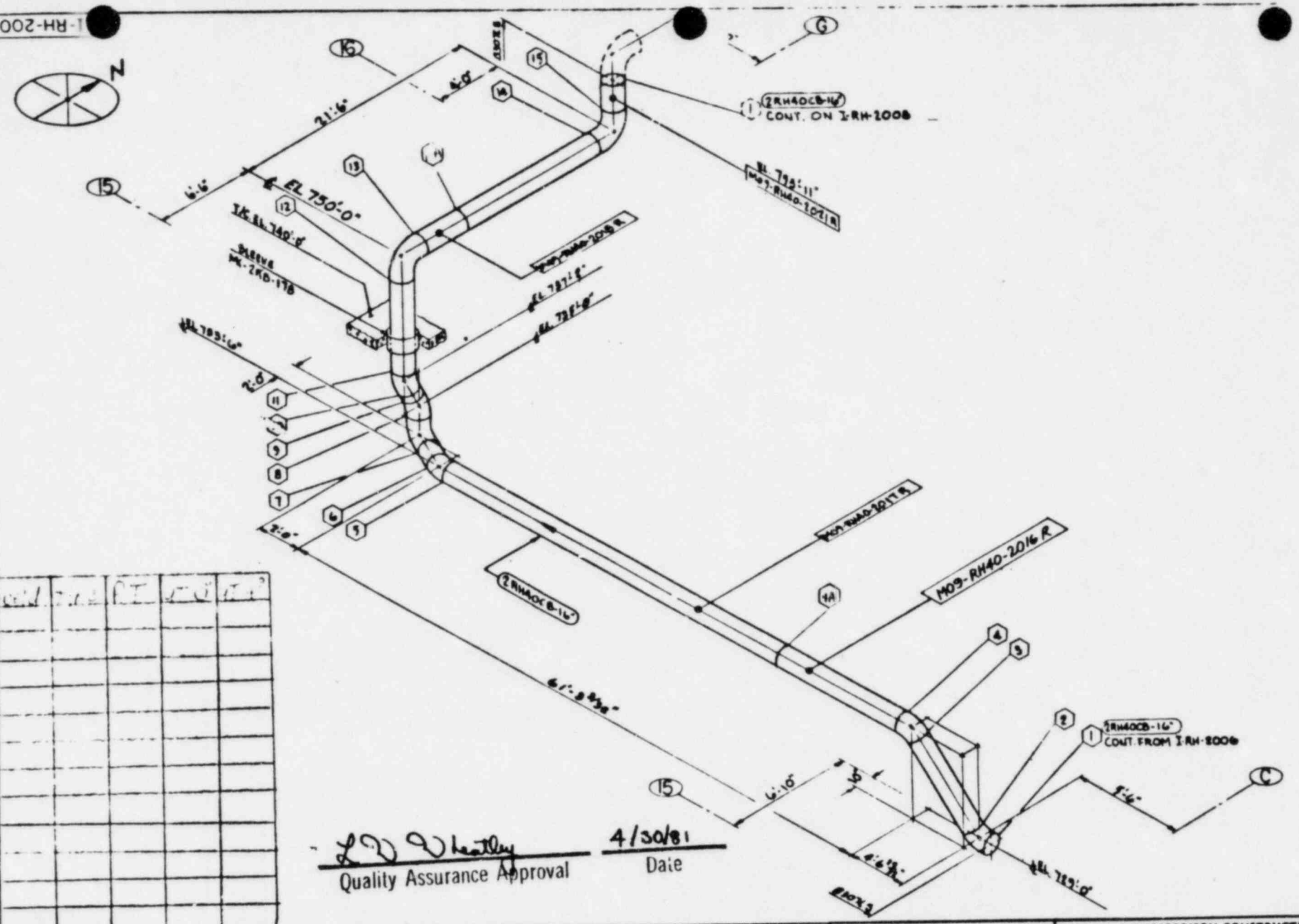
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-52-1, M-52-1-1, M-52-1-2, M-52-1-3

MCCO 1800

I-RH-2008

1-RH-2009



L D Whatley
Quality Assurance Approval

4/30/81
Date

G.E. PSI Rev. 1 changes: Added weld 4A and 13A
ASME Cat.: C-F
Procedure: MPUP-S751/4; PP-S751/5
Cal. Std.: 01-16-01 all welds.

REVISIONS				
REV	Description	By	Ck	Date
0	PRELIMINARY			5/10/79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

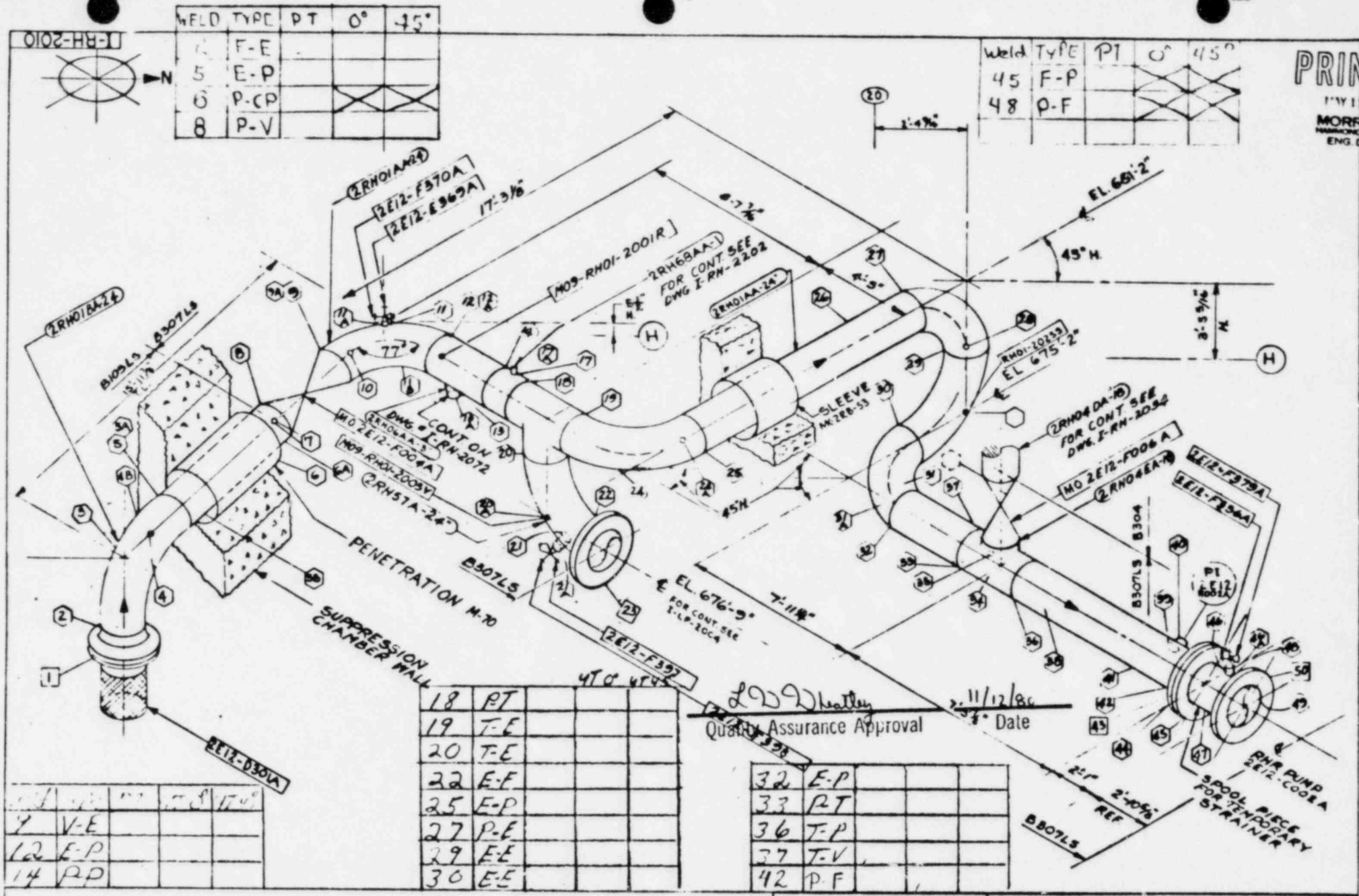
Job No 8466 Fa 984 000 307
TST BASED ON ASME SECT XI &
MCCO TST-01-134/J
Drawn B.J. Fitzgerald Date 11-27-78
Checked Date
Approved Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-132-1/1, M-132-1/2, M-142-2/1

MCCO ISO # 1-RH-2009

SHEET 1



Quality Assurance Approval — Date 11/12/86

G.E. PSI Rev. 3 Changes: Weld 37 01-18-01 to 01-18-03
ASME Cat.: C-F; #6 C-E-1
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-24-03 weld 8; 01-18-03 weld 37; 01-24-02 all other welds.

REVISIONS				
REV	Description	By	Chk	Date
0	PRELIMINARY			5-6-86

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

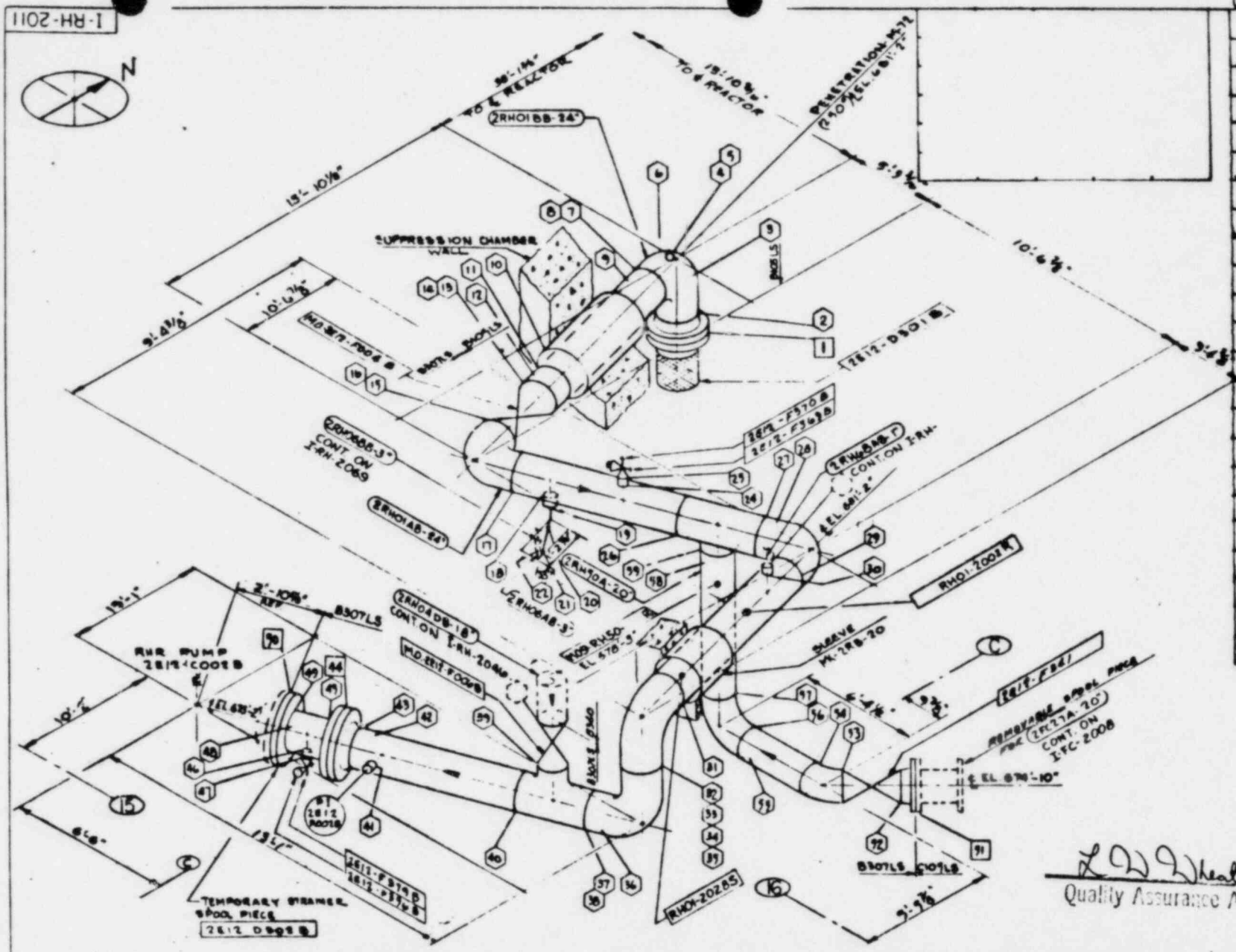
Job No. 3466 Pa 004 000 207
TST BASED ON ASME SECT XI & MCC CI-TST-CI-1231A
Drawn DLC Date
Checked Date
Appvd Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

Ref Dwg No. M-13-1(K), M-213-1(K)
MCC DWG NO. I-RH-2010

SHT 1

1-RH-2011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2RH01BB-24"
SUPPRESSION CHAMBER WALL
2RH01AB-24"
2RH04A-20"
2RH04DB-18"
RHR PUMP 2B12-C002B
2B12-D002B
2B12-F570B
2B12-F564B
2RH06AB-3"
2RH06AB-1"
RHO1-2002B
2B12-F041
2B12-F037B
2B12-F038B
2B12-D001B
RHO1-2008
RHO1-2028S
B31.7 CL2
B31.1
TEMPORARY STRAINER SPOOL PIECE
CONT. ON 1-RH-2008
CONT. ON 1-RH-2008
CONT. ON 1-RH-2008
CONT. ON 1-FC-2008
REMOVABLE SPOOL PIECE FOR 2FC77A-20"
SLEEVE M-2RB-20
B30TLS
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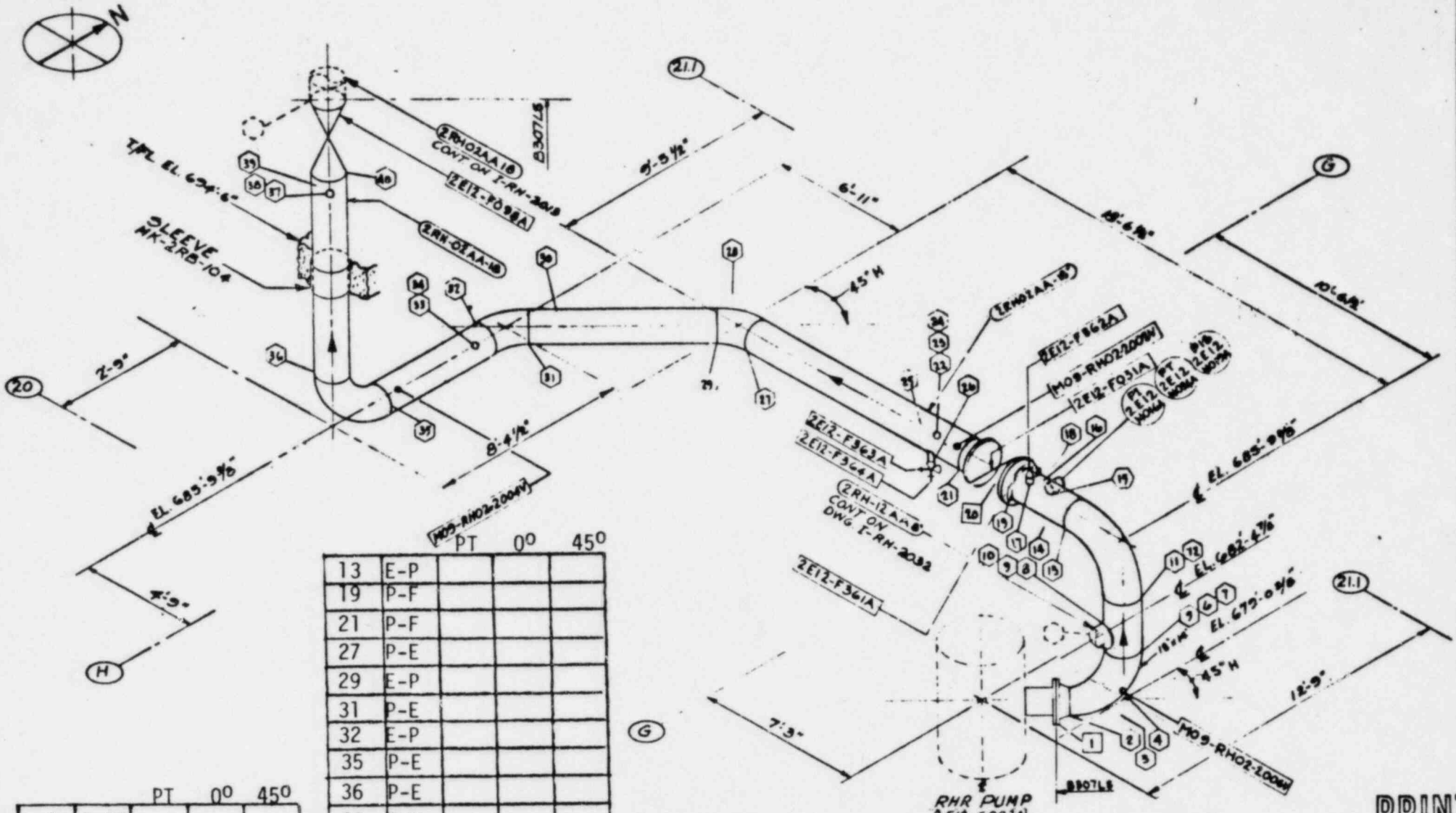
16

I-RH-2012



		PT	0°	45°
2	F-RE			
5	RE-P			
8	P-W			
11	P-E			

		PT	0°	45°
13	E-P			
19	P-F			
21	P-F			
27	P-E			
29	E-P			
31	P-E			
32	E-P			
35	P-E			
36	P-E			
40	P-V			

R D Wheatley — 6/18/79

Quality Assurance Approval — Date

PRINTE

G.E. P.S.I. Rev. 0 Changes
ASME Cat: C-F, Procedures:
UT #1 Rev. 4, PT #2 Rev. 5
UT Cal. Std.: for weld 2: 01-14-03; for all other welds 01-18-01

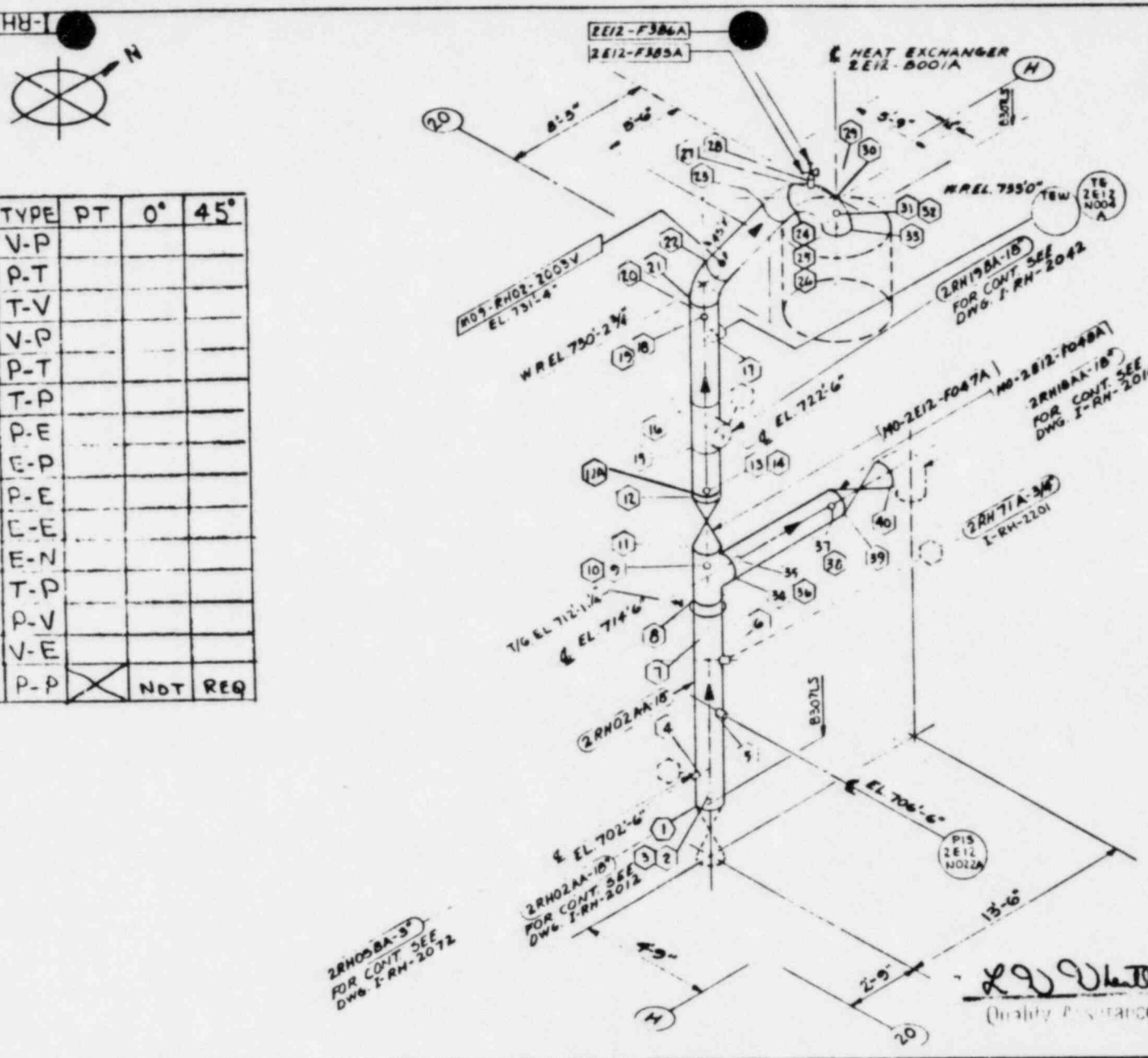
REVISIONS				
NO.	Desc. of Rev.	Appr.	Ck'd	Date
C	PRE...			5-18-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. [illegible] — Drawn KCC — Date 11-22-78
ISI BASED ON ASME SECT XI & M CC-ISI-GL-123/K — Checked — Date
APP'D — Date
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL
REF Dwg No. M-142-1/K, M-525 &/H, M-525-2/K
MCCO ISO # I-RH-2012

SHT 1

I-RH-2013



WELD	TYPE	PT	0°	45°
1	V-P			
8	P-T			
11	T-V			
12	V-P			
15	P-T			
16	T-P			
21	P-E			
22	E-P			
23	P-E			
24	E-E			
33	E-N			
34	T-P			
39	P-V			
40	V-E			
12A	P-P	X	NDT	REQ

G.E. PSI Rev. 2 Changes: Added weld 12A
ASME Cat.: C-F
Procedure: UT #1 Rev. 4; PT #2 Rev. 5
Cal. Std.: 01-18-01 all welds

Quality Assurance Approval

4/30/81
Date

PRINTED
MAY 18 1979
MORRISON
HAMMOND INDIANA
ENG. DEPT

REVISIONS			
REV	Description	OK	Date
1			5-4-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 2466, Fo 994 900 307	Drawn CCC	Date 11-27-78
ISI BASED ON ASME SECT XI & M.A.N. ISI-UL-12 3/4K	Checked	Date
	APP'D	Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-19, LR, M-123 Vol. 2

MCCO IBO #

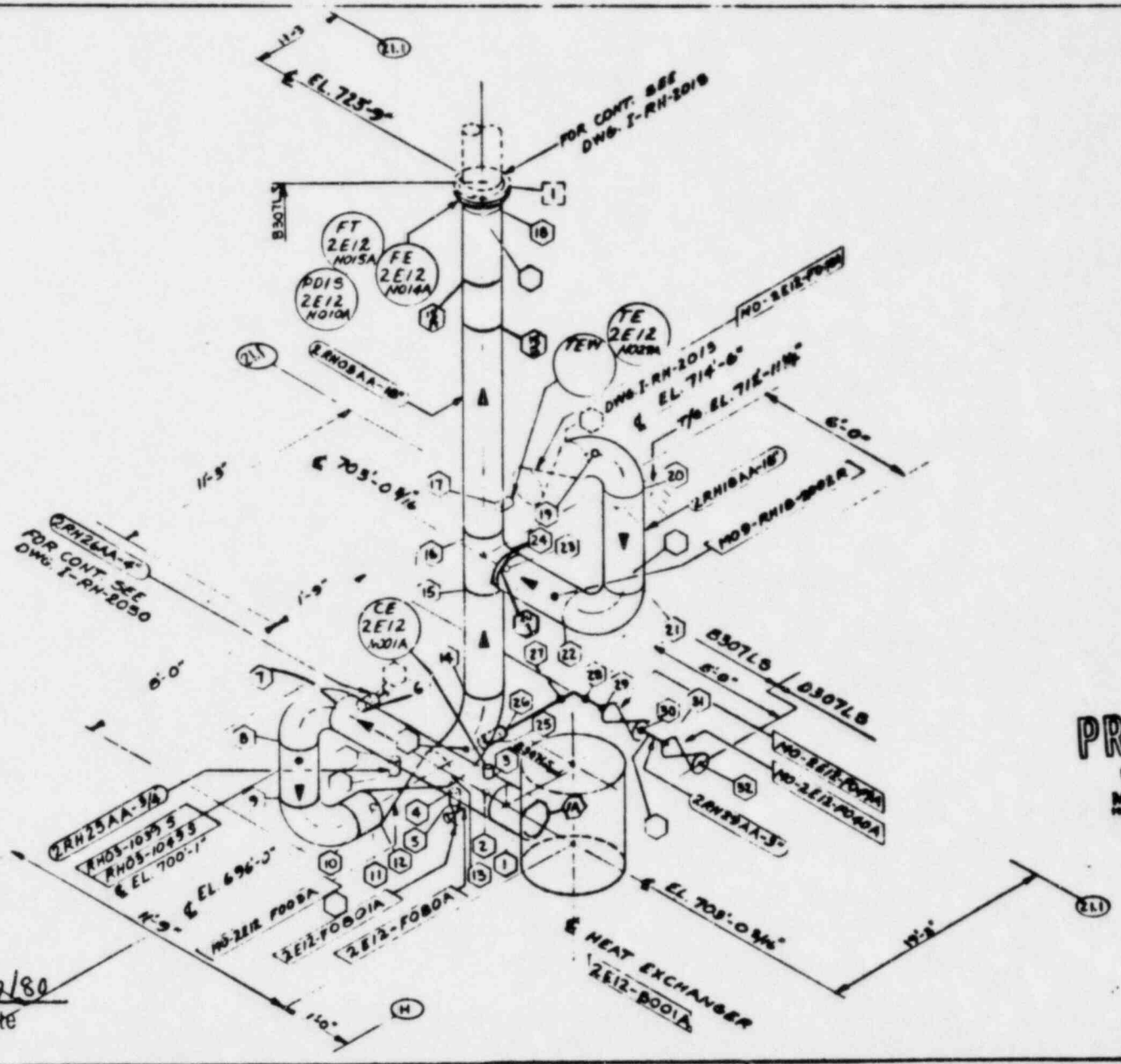
I-RH-2013

SHT. 1

MCCO 6-DW-1 877

I-RH-2014

Weld	Type	PT	UT Cal Std	UT Yrs
1-H	PN			
1	P-P	X	NOT	REQ.
7	P-E			
8	E-P			
9	P-E			
10	E-P			
12	P-V			
13	V-E			
14	E-P			
15	P-T			
16	T-P			
17	P-F			
[illegible]	[illegible]			
21	P-E			
22	E-P			
24	P-T			
18A	P-P	X	NOT	REQ.
18B	P-P	X	NOT	REQ.
24A	P-P	X	NOT	REQ.



L D Wheatley
Quality Assurance Approval

10/17/80
Date

G.E. PSI Rev. 1 Changes: Show welds 18A, 18B, 24A
ASME Cat: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 5
UT Cal. Std.: 01-18-01 all welds

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		8/18/75

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 1444 Pk Job 999 297
Drawn UDN Date 11-29-7
1ST BASED ON ASME SECT XI & MCCC NO 1SI-01-1266
Check'd Date
Appv'd Date

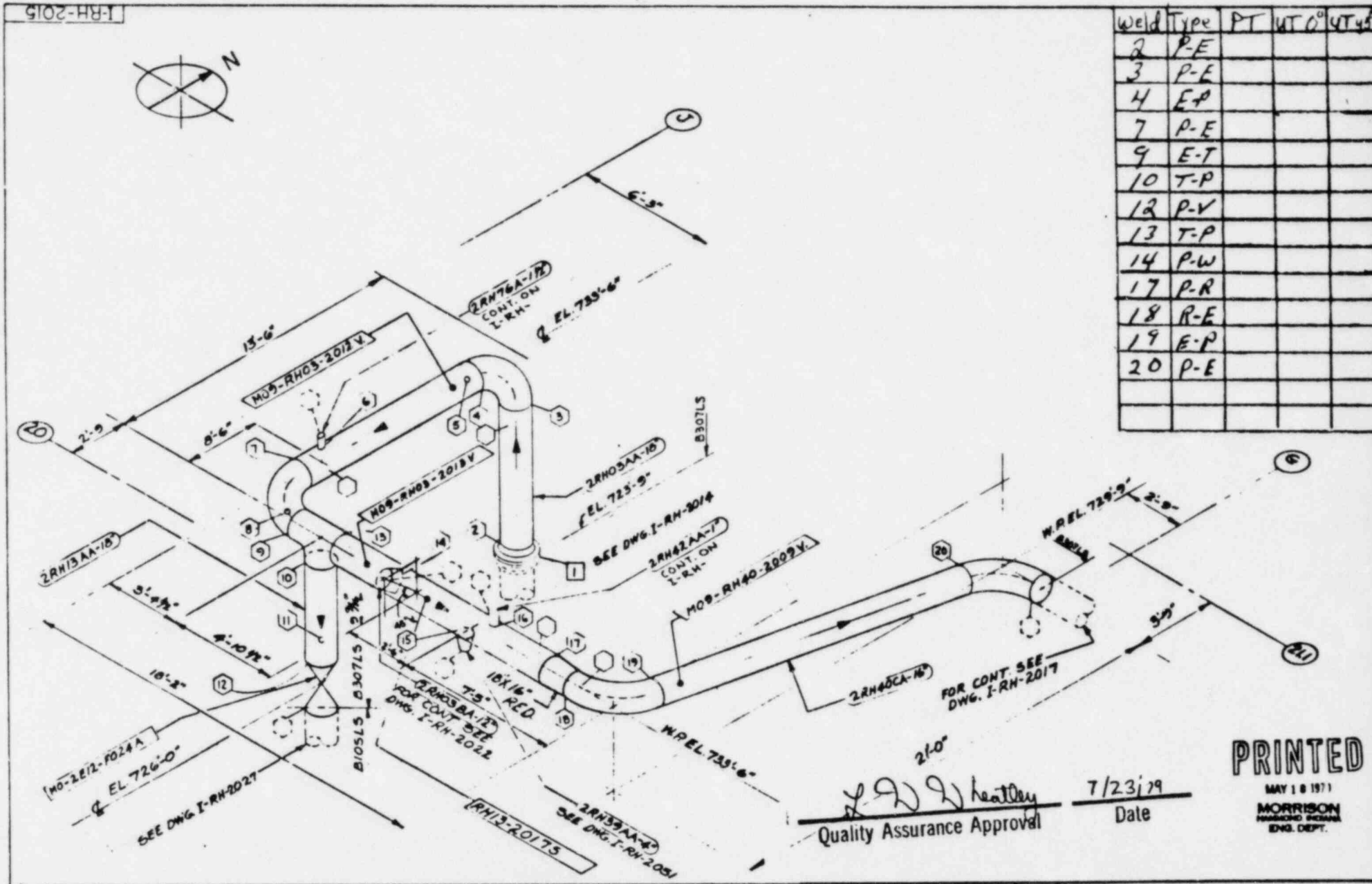
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 &
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

Ref Dwg. No. M-142-A/H, M-142-A/I
Model No.
I-RH-2014

PRINT
MAY 18 19
MORRIS
HAMMOND, IN
ENG. DEP

BHT.1

I-RH-2015



Weld	Type	PT	UT 0°	UT 45°
2	P-E			
3	P-E			
4	E-P			
7	P-E			
9	E-T			
10	T-P			
12	P-V			
13	T-P			
14	P-W			
17	P-R			
18	R-E			
19	E-P			
20	P-E			

PRINTED
MAY 18 1979
MORRISON ENG. DEPT.

Quality Assurance Approval — Date 7/23/79

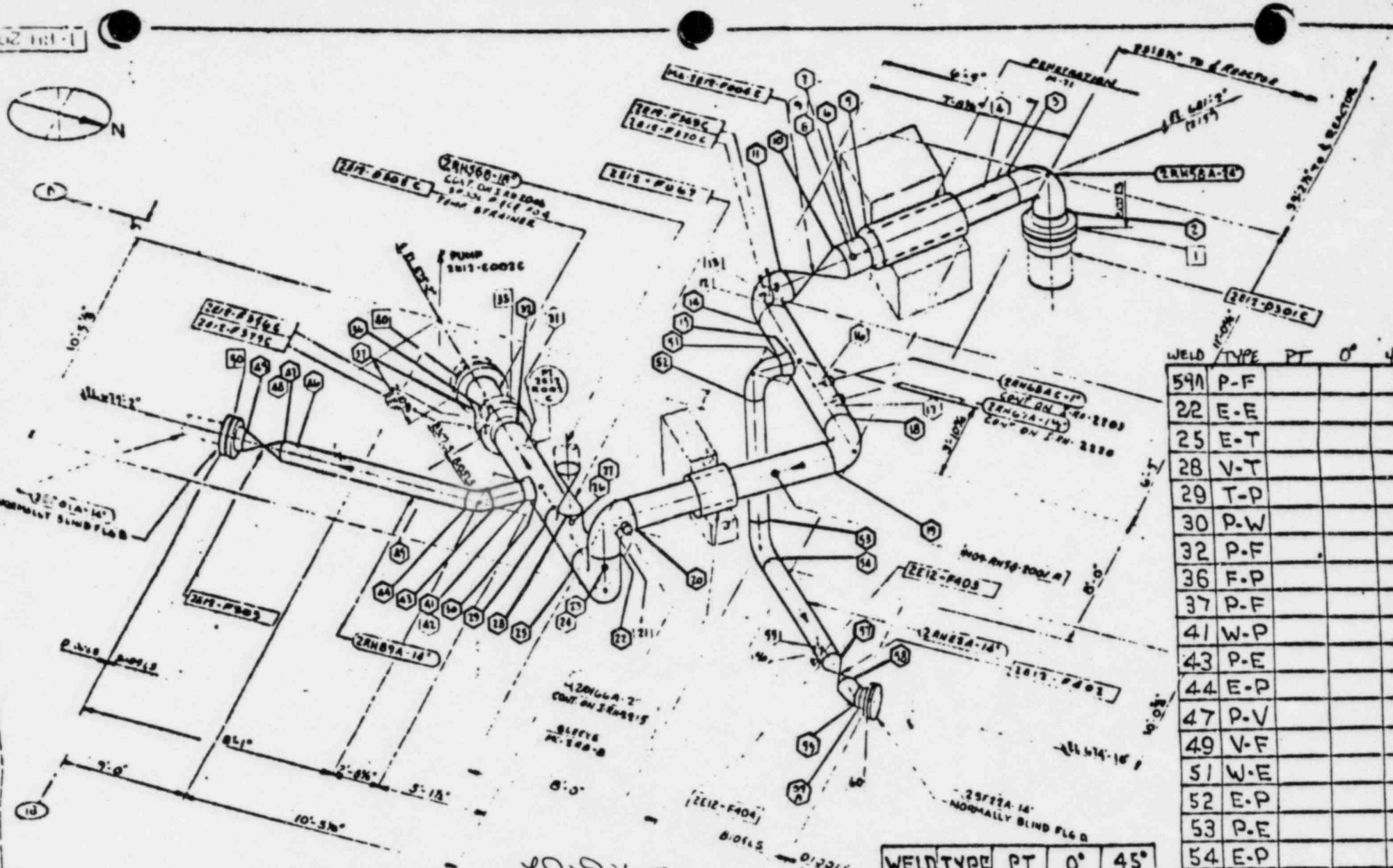
G.E. P.S.I Rev. 0
ASME Cat. C-F
Procedures: MPUPS751/4, PPS751/5
UT Cal. Std.: 01-16-01 welds 18,19,20
01-18-01 all other welds

REVISIONS				
REV	Description	Appd	Cal	Date
0	PRELIMINARY			6-18-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 2888 — Drawn DDD — Date 12-1-78
IST BASED ON ASME SECT XI & MC. C. NC IST-C1-1266 — Checked — Date — Appd — Date
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL
Ref Dwg. No. M-142-426, M-939-1 & BF-939-1/1 — MCCO DWG. NO. I-RH-2015

SHT. 1



WELD	TYPE	PT	0°	45°
59A	P-F			
22	E-E			
25	E-T			
28	V-T			
29	T-P			
30	P-W			
32	P-F			
36	F-P			
37	P-F			
41	W-P			
43	P-E			
44	E-P			
47	P-V			
49	V-F			
51	W-E			
52	E-P			
53	P-E			
54	E-P			
57	P-V			
58	V-E			
59	E-P			

WELD	TYPE	PT	0°	45°
2	F-E			
3	E-P			

WELD	TYPE	PT	0°	45°
18	P-E			
19	E-P			
20	P-E			

WELD	TYPE	PT	0°	45°
6	P-CP			
10	P-V			
11	V-E			
14	E-P			
15	P-W			

L.J. Wheatley 11/12/80
Quality Assurance Approval Date

G.E. PSI Rev. 2 Changes: Added #59A
ASME Cat.: C-F, C-E-1 #6
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-18-05 weld 28; 01-24-02 weld 2, 3,36,37; 01-14-01 welds 59A,41,43, 44,47,49,51,52,53,54,57,58,59;

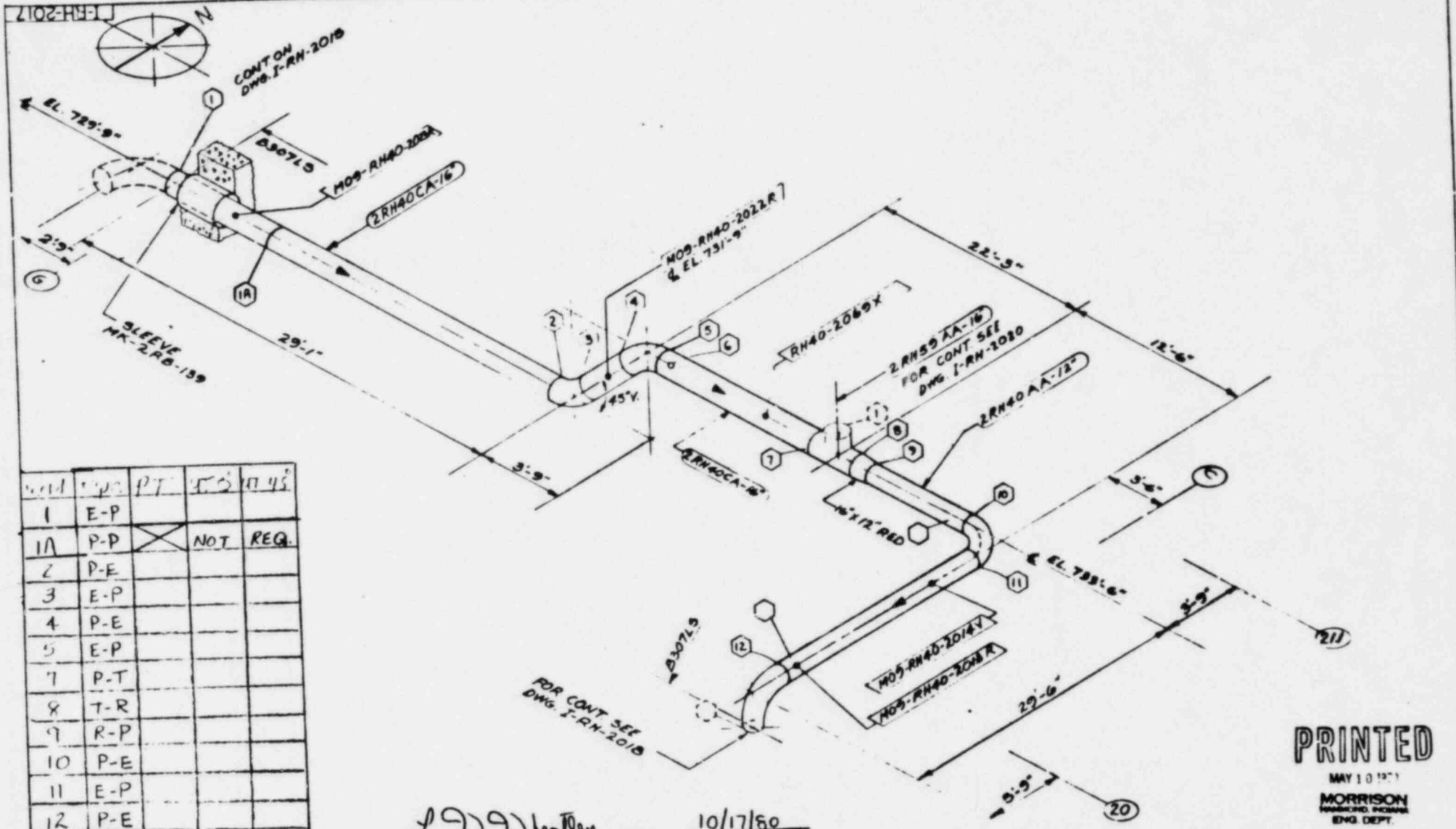
REVISIONS

MORRISON CONSTRUCTION CO.

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNIT 1
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2016

I-RH-2017



Weld	Type	PT	UT	MT
1	E-P			
1A	P-P	X	NOT	REQ.
2	P-E			
3	E-P			
4	P-E			
5	E-P			
7	P-T			
8	T-R			
9	R-P			
10	P-E			
11	E-P			
12	P-E			

L D O'Malley — Quality Assurance Approval

10/17/80 — Date

PRINTED
MAY 10 19[illegible]
MORRISON
ENG. DEPT.

G.E. PSI Rev. 1 Changes: Added weld 1A
ASME Cat: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
UT Cal. Std.: 01-12-01 welds 9,10,11,12; 01-16-01 all other welds.

Rev	Description	By	Ck	Date
0	PRELIMINARY			5-18-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 8686 Pg 000 000 287
IST BASED ON ASME SECT. XI &
MCCC NO. IST-01-123/K
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

Drawn DGW Date 12-5-78
Checked Date
APPVD Date

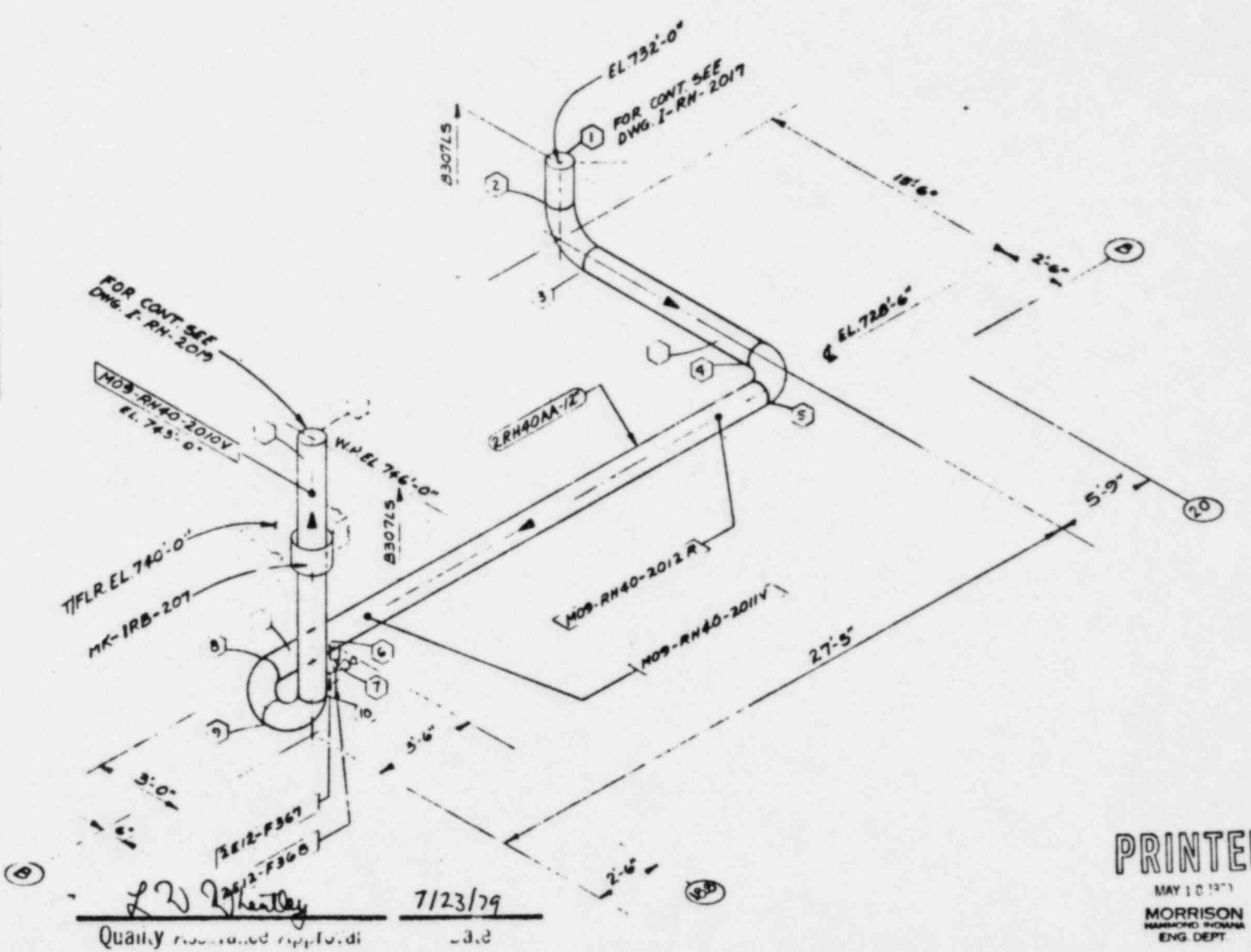
M&E Dwg. No. M-1X-VK-M3V9476 REF. 931M1

WOOD NO. I-RH-2017

SHT 1

I-RH-2018

Weld	Type	P.T	UT C[a]	UT 45[b]
1	E-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			
8	P-E			
9	E-E			
10	E-P			



Quality Assurance Approval 7/23/79

PRINTED
MAY 10 1979
MORRISON
HAMMOND INDIANA
ENG. DEPT

G.E. P.S.I. Rev. 0 Changes:
ASME Cat: C-F
Procedures: UT#1 Rev.4, PT#2 Rev.5
UT Cal. Std.: 01-12-01 all welds

REVISIONS				
REV	Description	By	Ck	Date
2	PRELIMINARY			5-4-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 3466 Fa 986 980 307 | Dsgn. QGO | Date 12-7-78
ISI BASED ON ASME SECT. XI & | Checked | Date
MCC Nc. ISI-CI-123/K | APPVD | Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

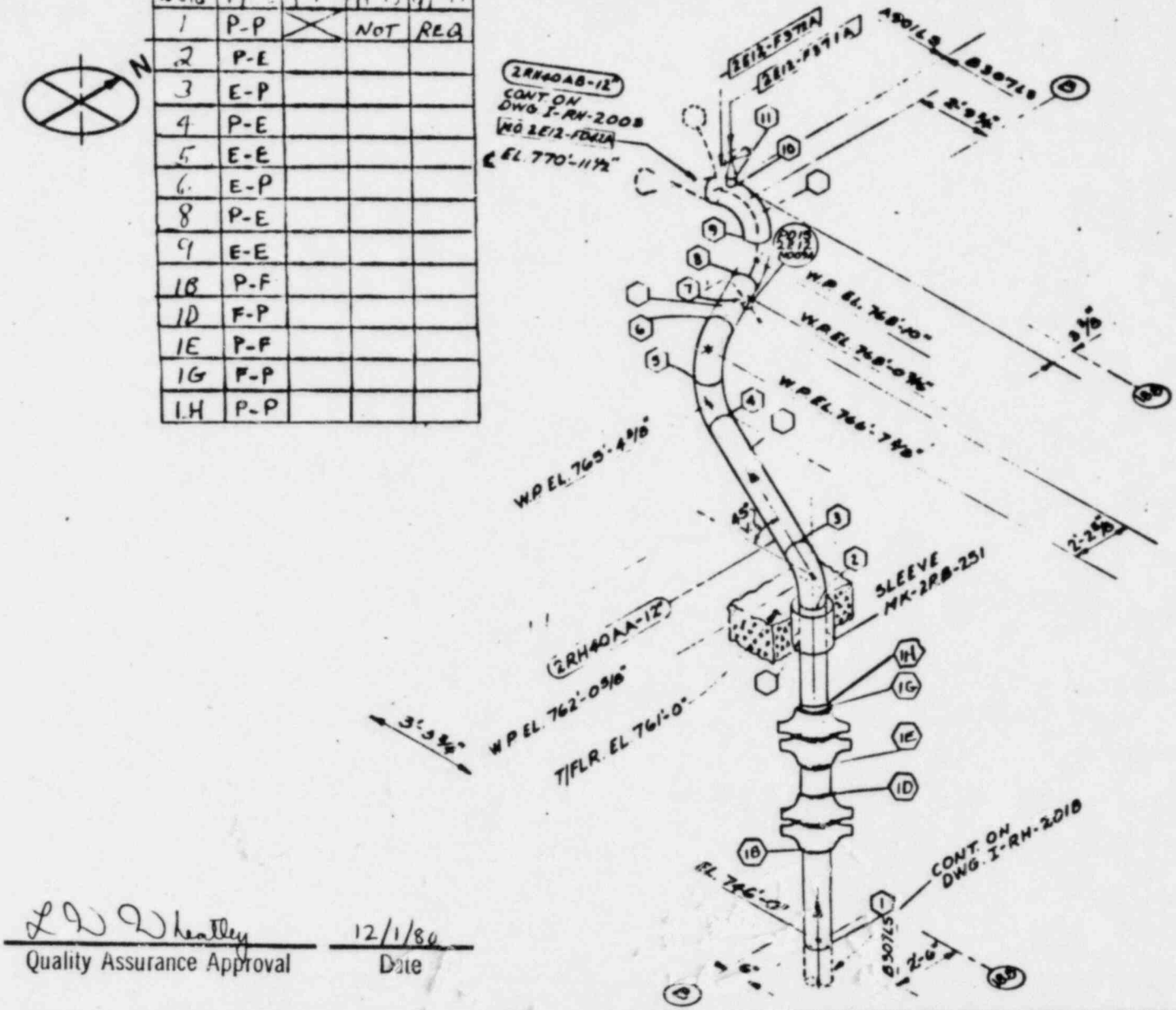
Ref Dwg No. M-14-1/5
M-939-2/K, BF-939-2/2

MCC DWG NO. I-RH-2C18

SHT. 1

I-RH-2019

Weld	Type	UT	PT	MT
1	P-P	X	NOT	REQ
2	P-E			
3	E-P			
4	P-E			
5	E-E			
6	E-P			
8	P-E			
9	E-E			
1B	P-F			
1D	F-P			
1E	P-F			
1G	F-P			
1H	P-P			



PRINTED
MAY 18 1981
MORRISON
HASTINGS, INDIANA
ENG. DEPT

L D Wheatley
Quality Assurance Approval

12/1/80
Date

G.E. PSI Rev. 2 Changes: Added welds 1B,1D,1E,1G,1H
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
UT Cal. Std.: 01-12-01 all welds.

REVISIONS				
NO.	Description	By	Ck'd	Date
0	PRELIMINARY			5-18-81

MORRISON CONSTRUCTION CO.
HASTINGS, INDIANA

(S) BASED ON ASME SECT XI & MCCDAD ISI-QL-12V/K

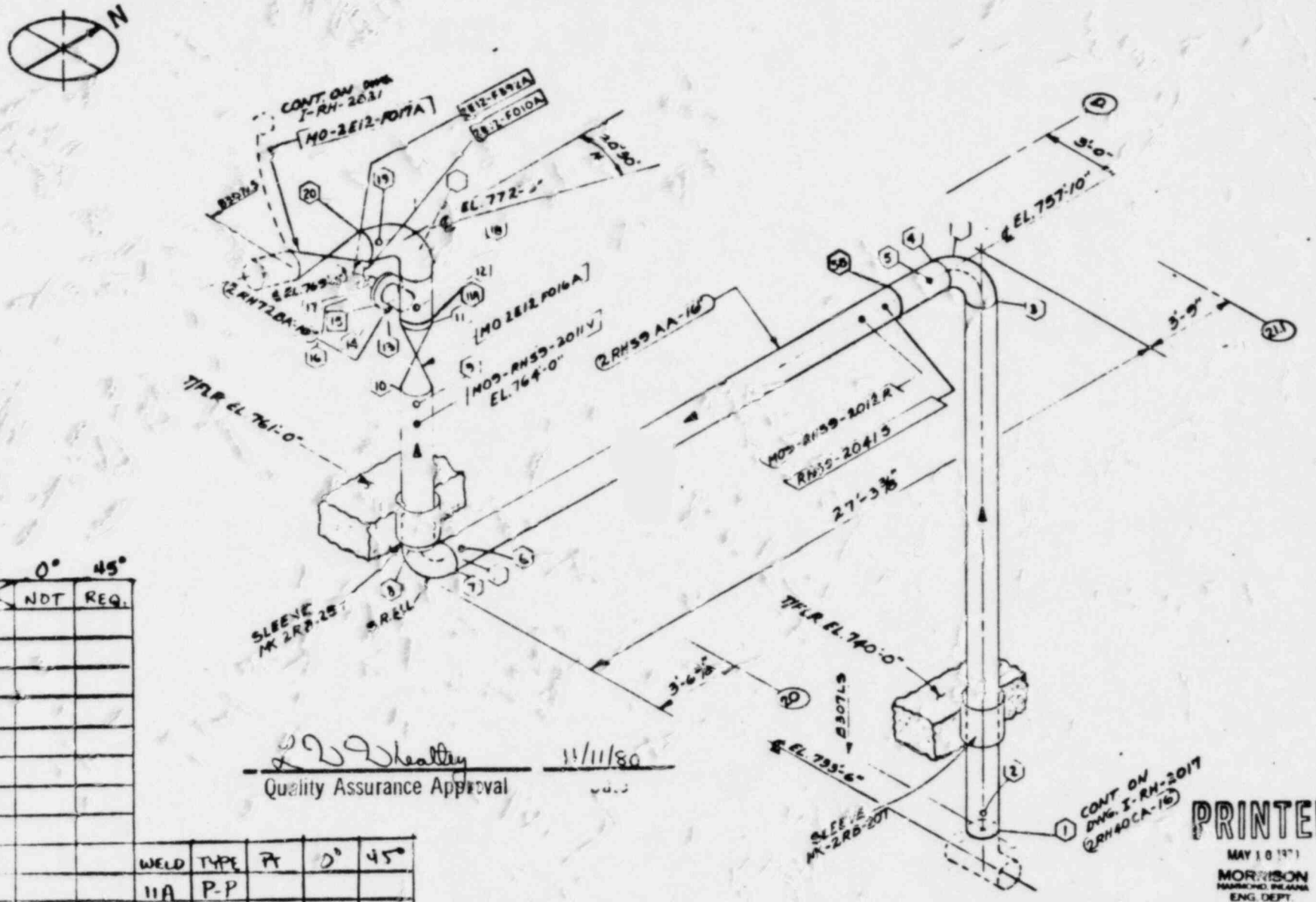
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

Drawn DDC 12-31-79
Checked
Approved

Ref. Dwg. No. M-187-VK
M-2RH-2AC, BE 933 2/2

MCCO IRD # I-RH-2019

SNT 1



WELD NO	TYPE P-V	PT	0° NDT	45° REQ.
1	T-P			
3	P-E			
4	E-P			
7	P-E			
8	E-P			
10	P-V			
11	V-P			
13	P-W			
14	W-F			
18	P-E			
20	E-V			

WELD	TYPE	PT	0°	45°
11A	P-P			

G. Wheatley 11/11/80
Quality Assurance Approval

G.E. PSI Rev. 3 Changes: Added weld 11A
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-10-02 weld 14; 01-16-01 weld 11,18,20,13,1,3,4,7,8, 10,13,11A

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		3/18/75

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

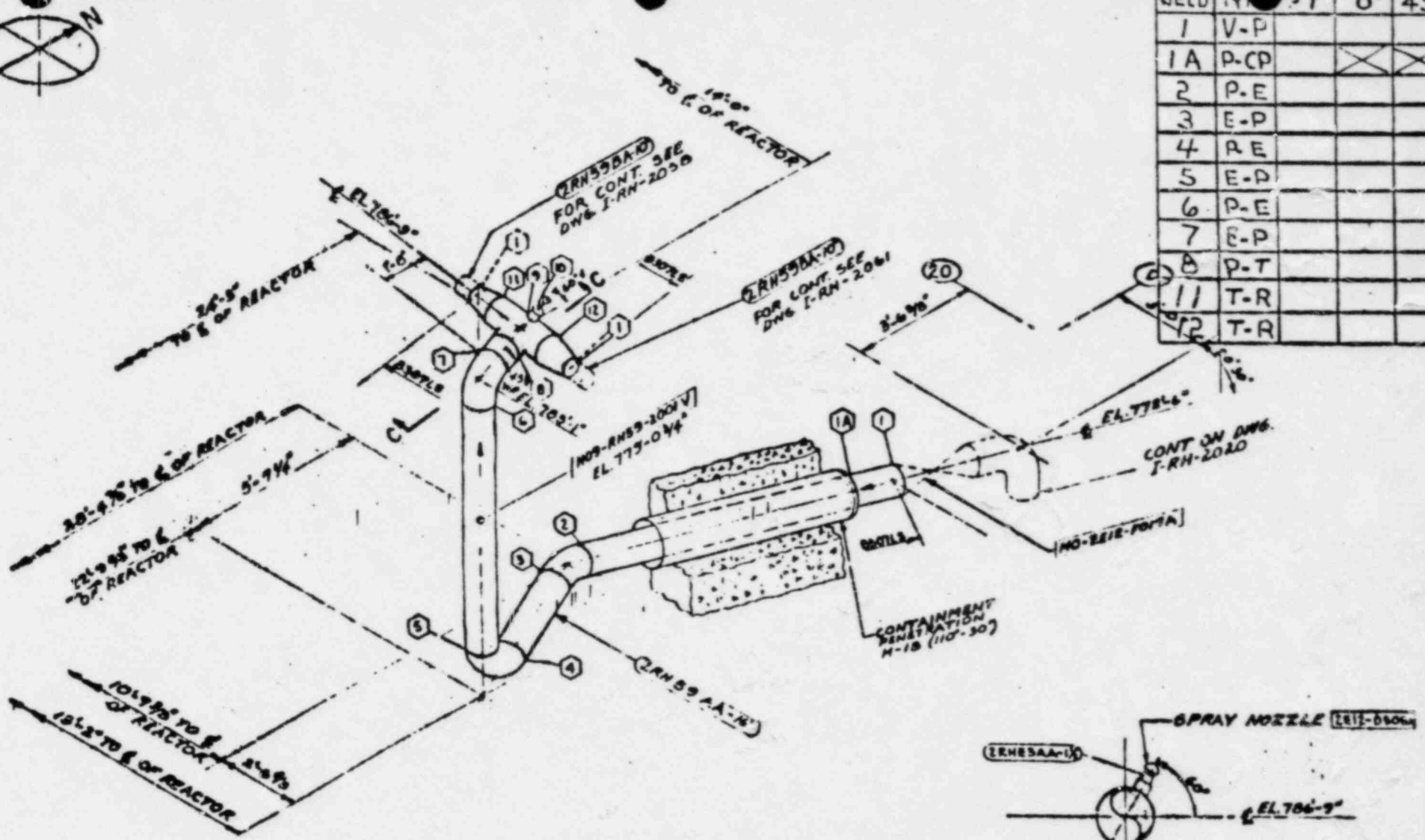
Job No. 2666 Fa 004 900 007
TSI BASED ON ASME SECT XI & MCC NO. 151-CL-12-7/K
Drawn: DDD Date: 12-13-79
Checked: Date:
APPVD: Date:

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

Arr Dwg No. M-142 (K,M-939-2/K
BF-939-2/2
MCC DWG NO. 1-RH-2020

SHT. 1

PRINTED
MAY 1 0 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.



WELD	TYPE	PT	0°	45°
1	V-P			
1A	P-CP		X	X
2	P-E			
3	E-P			
4	R E			
5	E-P			
6	P-E			
7	E-P			
8	P-T			
11	T-R			
12	T-R			

K D Whatley 9/9/80
Quality Assurance Approval Date

G.E. PSI Rev. 0
ASME: #1A C-E-1 All others C-F
Procedures: UT#1 Rev. 6; PT#2 Rev. 7
Cal. Block: 01-16-01 All welds.

DIVISIONS		
0	PRELIMINARY	9 8 79

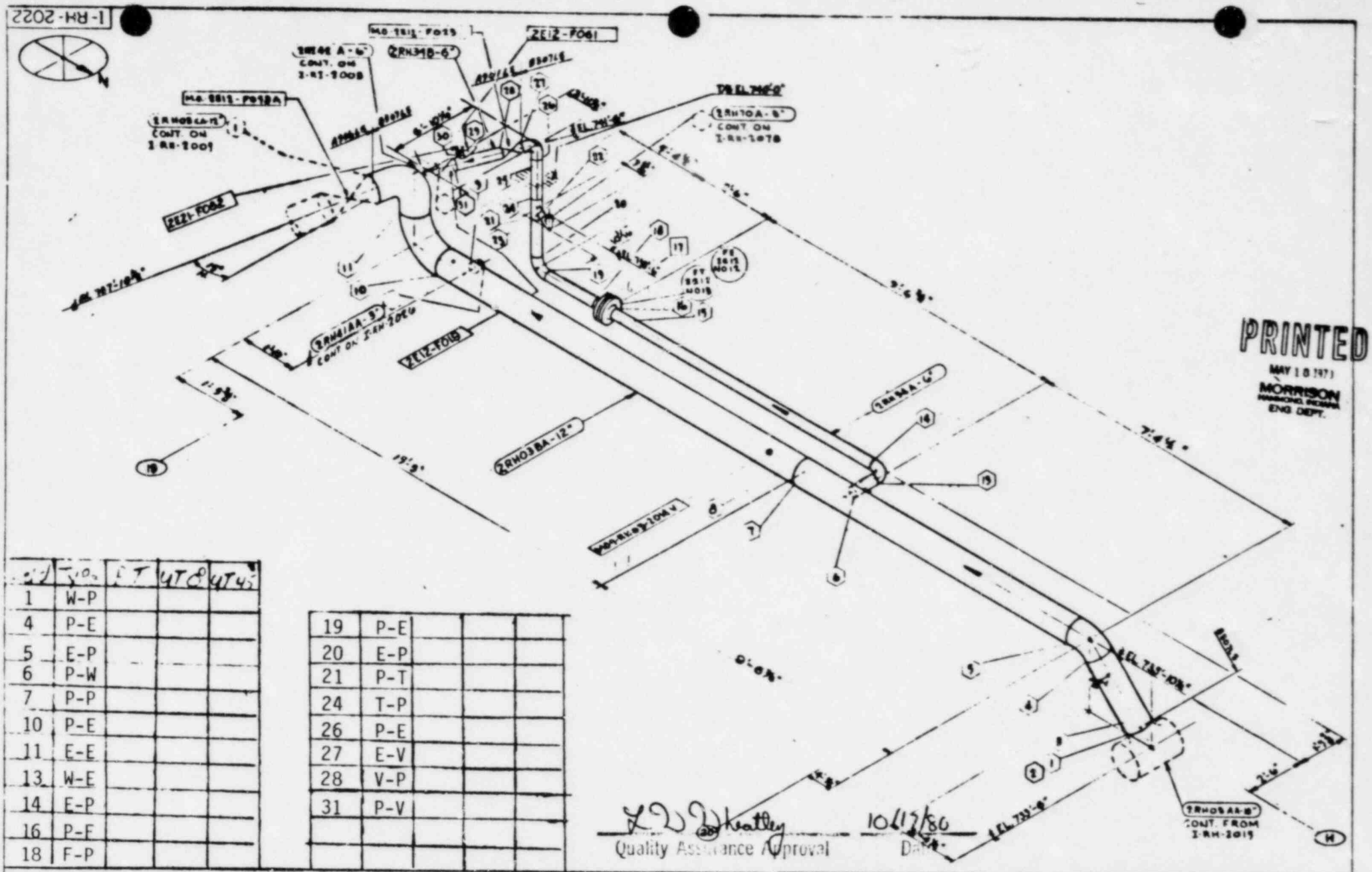
MORRISON CONSTRUCTION CO.

ISI BASED ON ASME SECT XI

INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2021

1-RH-2022



Weld No.	Type	PT	UT &	UT 45°
1	W-P			
4	P-E			
5	E-P			
6	P-W			
7	P-P			
10	P-E			
11	E-E			
13	W-E			
14	E-P			
16	P-F			
18	F-P			

19	P-E			
20	E-P			
21	P-T			
24	T-P			
26	P-E			
27	E-V			
28	V-P			
31	P-V			

L D Heatley 10/17/80
Quality Assurance Approval Date

G.E. PSI Rev. 1 Changes: Deleted weld #12; changed #13 to W-E
ASME Cat: C-F, B-J as noted
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
UT Cal. Std.: 01-12-01 welds 1,4,5,6,7,10,11; 01-06-03 welds 28,31
01-06-01 all other welds

REVISIONS				
NO.	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			1-6-72

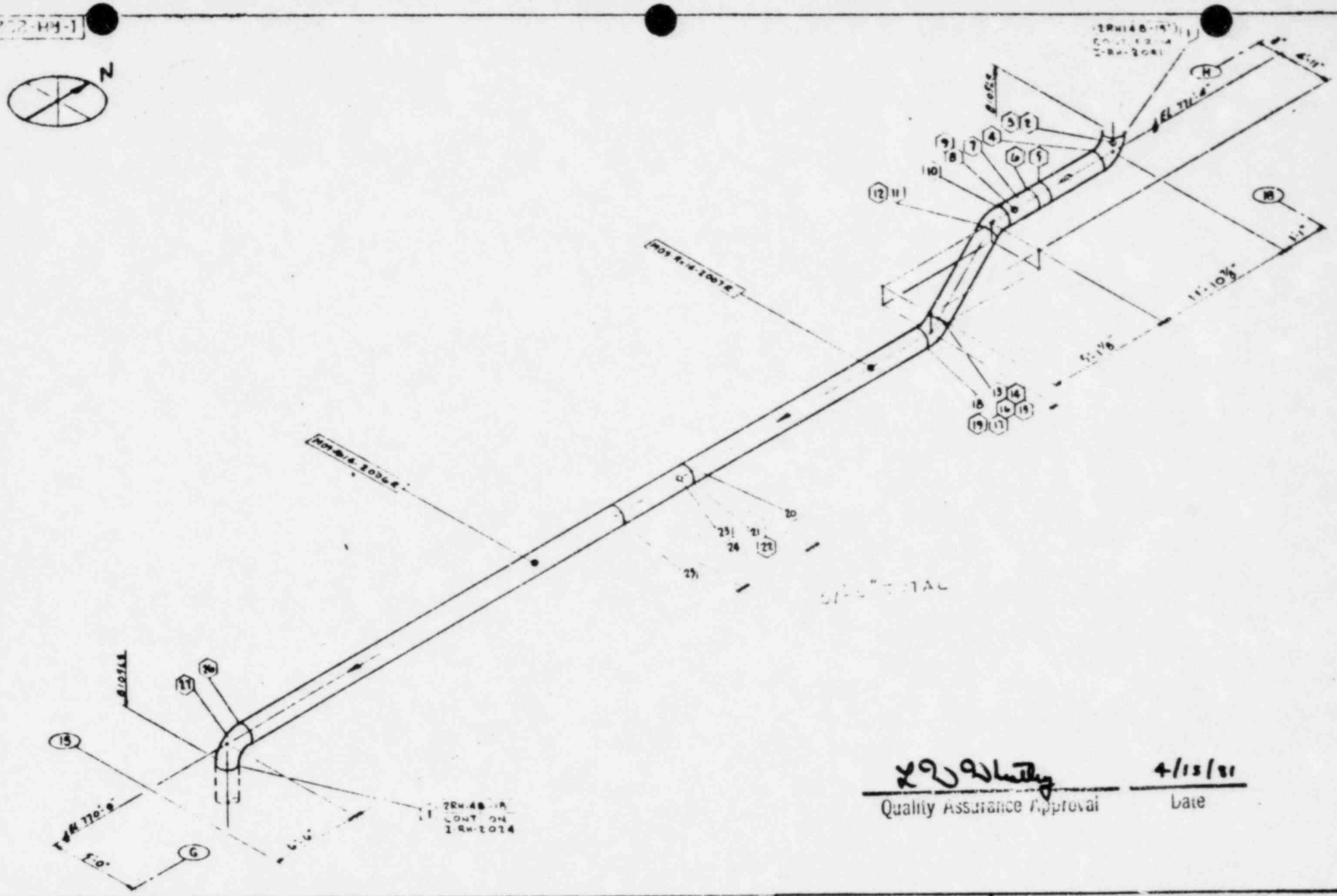
MORRISON CONSTRUCTION CO.
MADISONVILLE, INDIANA

Job No. 3066 PS 500 500 207 — Drawn BJF — Date 1-6-72
ISI BASED ON ASME SEC XI — Checked — Date
MCCO ISI-RL-1172/K — APP'D — Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-142-1 & M-142-1/1, M-142-1/K

MCCO NO. 1-RH-2022



Quality Assurance Approval

4/13/81
Date

G.E. PSI Rev. 1 Changes: Cal. Block to 01-18-01
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-18-01 all welds.

REVISIONS			
	PRELIMINARY		5/8/79

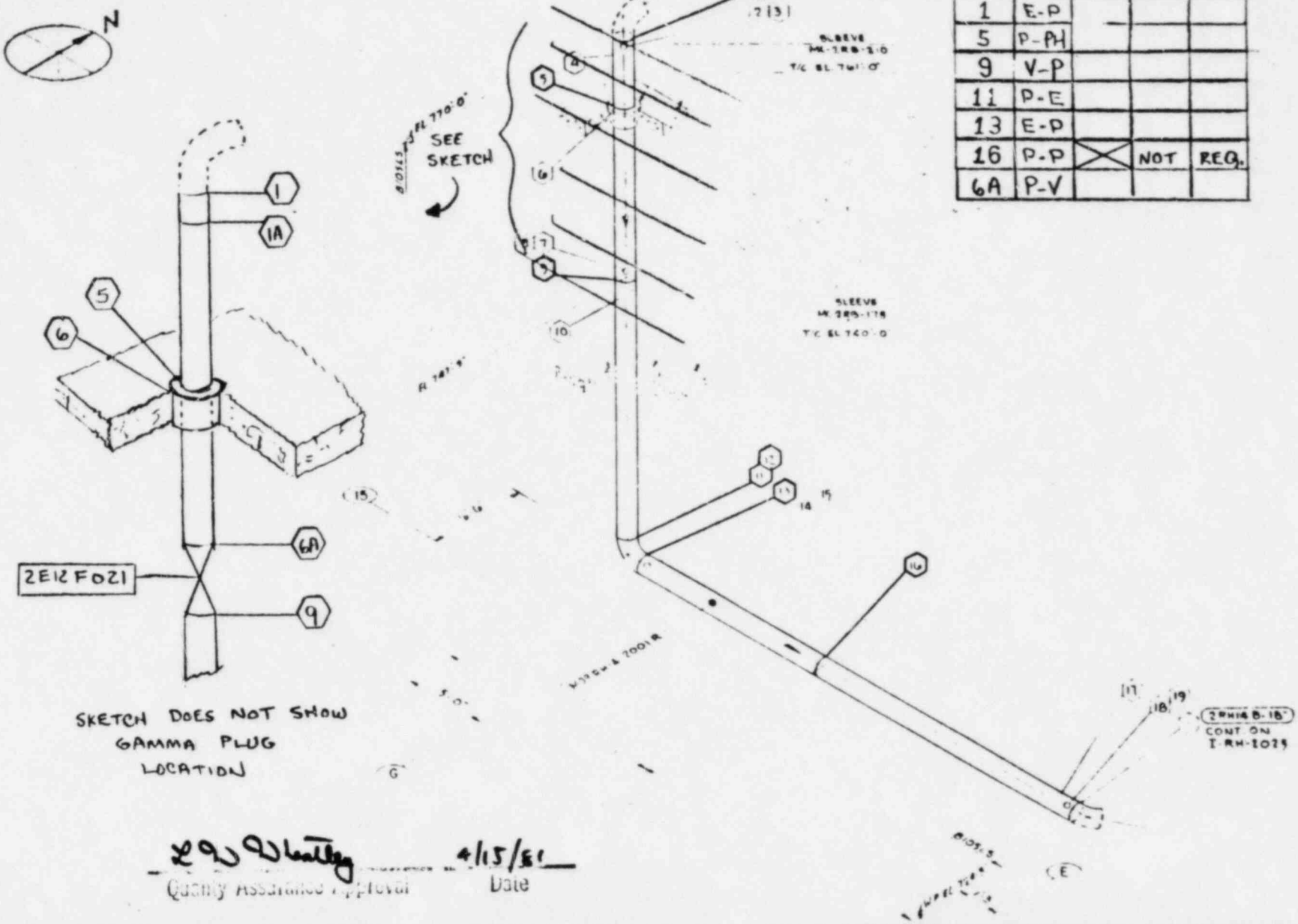
MORRISON CONSTRUCTION CO.

T&I BASED ON ASME

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1&2

INSERVICE INSPECTION

RESIDUAL HEAT REMOVAL



WELD	TYPE	PT	0°	45°
1	E-P			
5	P-PH			
9	V-P			
11	P-E			
13	E-P			
16	P-P	X	NOT	REQ.
6A	P-V			

Quality Assurance Approval — Date 4/15/81

G.E. PSI Rev. 2 Changes: Added 2E12-F021 valve
ASME Cat: C-F, C-E-1 #5
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std: 01-18-01 welds 1,6A
01-18-05 all other welds.

REVISIONS			
REV		BY	DATE
0	PRELIMINARY		3-27-81

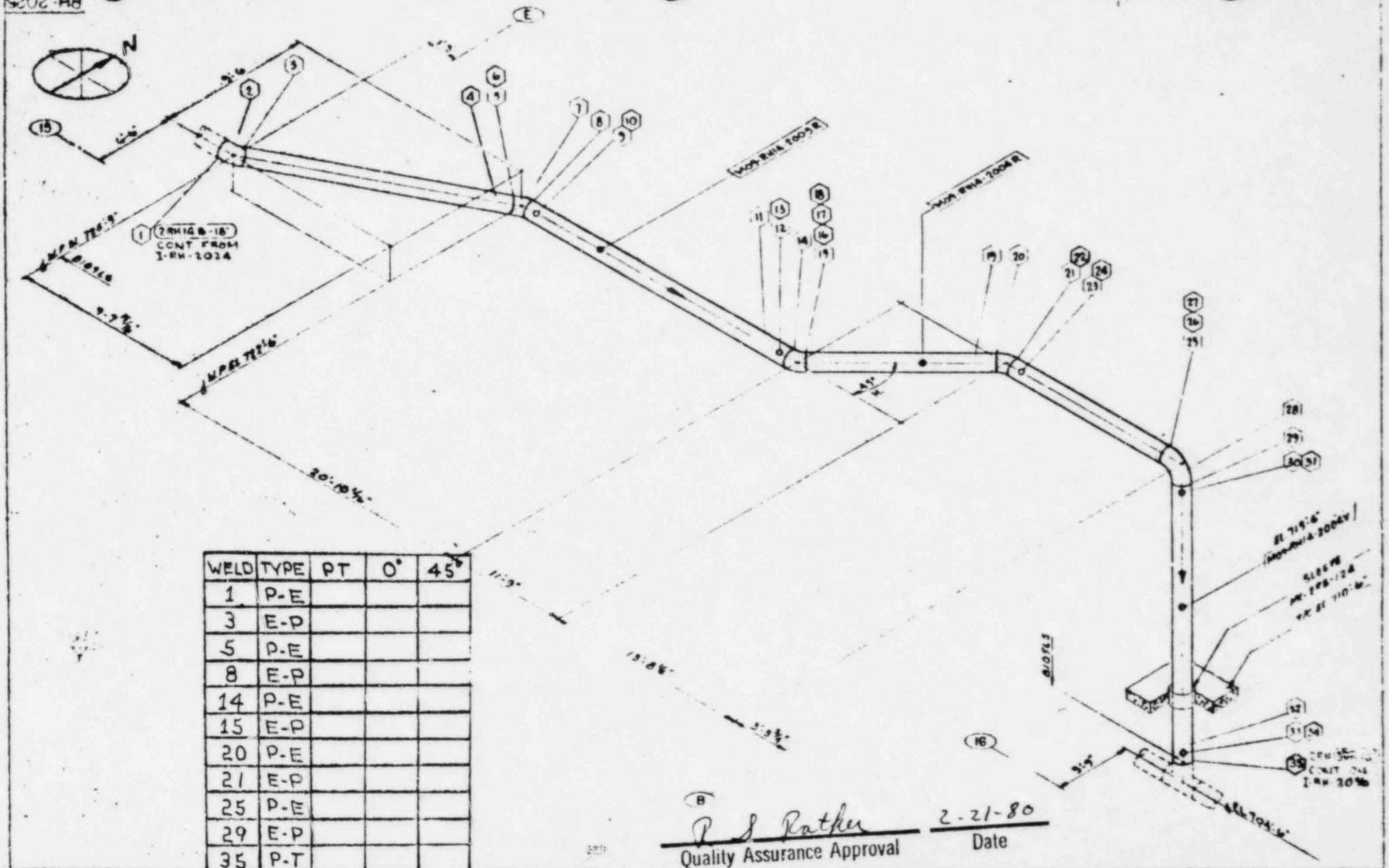
MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SEC. XI
1977 EDITION 1980

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION

INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-



WELD	TYPE	PT	0°	45°
1	P-E			
3	E-P			
5	P-E			
8	E-P			
14	P-E			
15	E-P			
20	P-E			
21	E-P			
25	P-E			
29	E-P			
35	P-T			

R S Rather — Quality Assurance Approval

2-21-80 — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev.6 , PT #2 Rev. 6
Cal. Std.: all welds 01-18-05

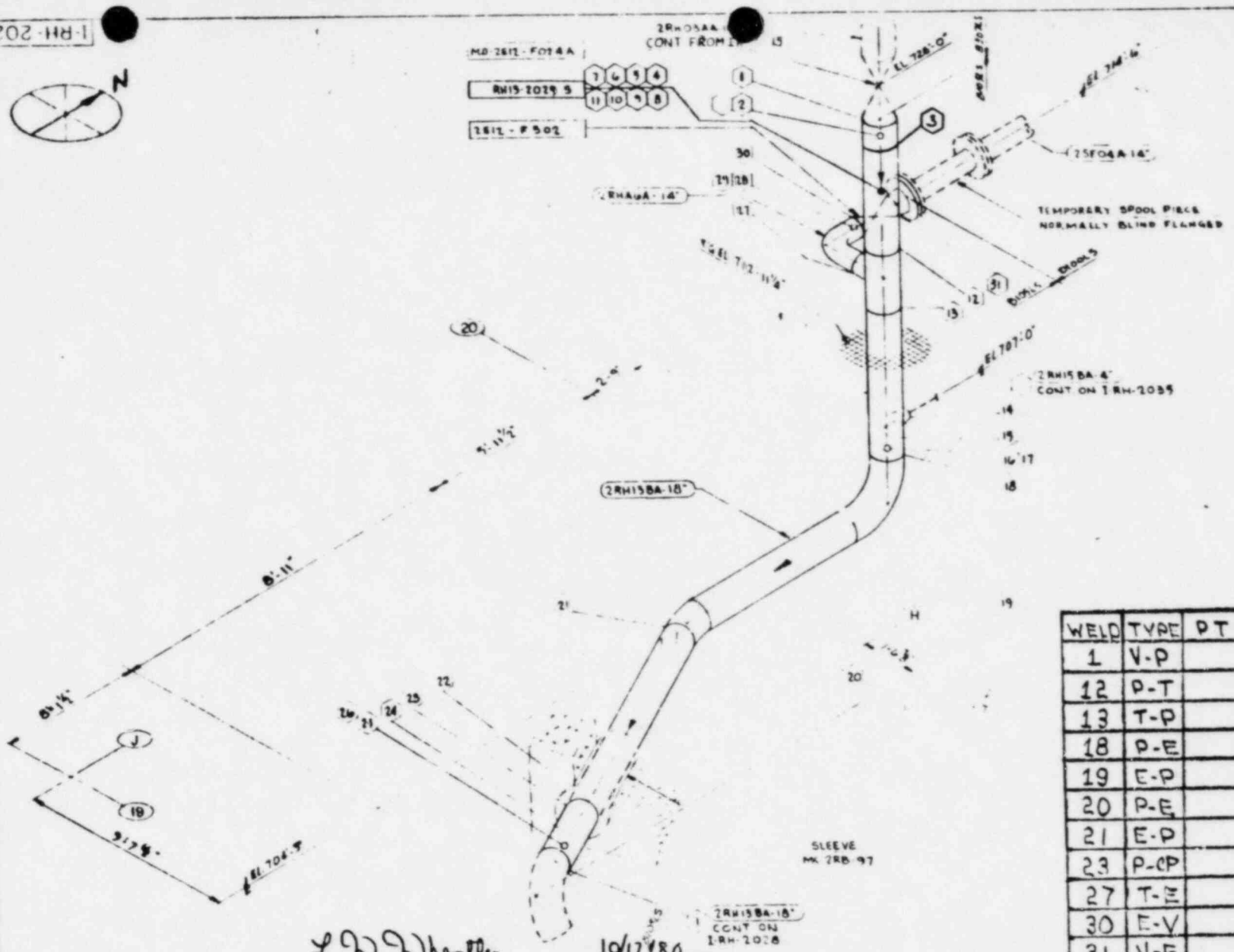
REVISIONS			
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2025

1-RH-2027



WELD	TYPE	PT	0°	45°
1	V-P			
12	P-T			
13	T-P			
18	P-E			
19	E-P			
20	P-E			
21	E-P			
23	P-CP		X	X
27	T-E			
30	E-V			
31	V-F			
3	P-P	X	NOT	REQ.

L D Wheatley 10/17/80
Quality Assurance Approval Date

G.E. PSI Rev. 1 Changes: Added weld #3
ASME Cat.: C-F, C-E-1 #23
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-14-01 welds 27,30,31; 01-18-05 all other welds.

REVISIONS				
REV	Description	By	Chk	Date
0	PRELIMINARY			5-18-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

1ST INTERVAL BASED ON ASME SECT XI 1974 EDITION W/ 1975 ADDENDA
MCCO 133.02-132/K

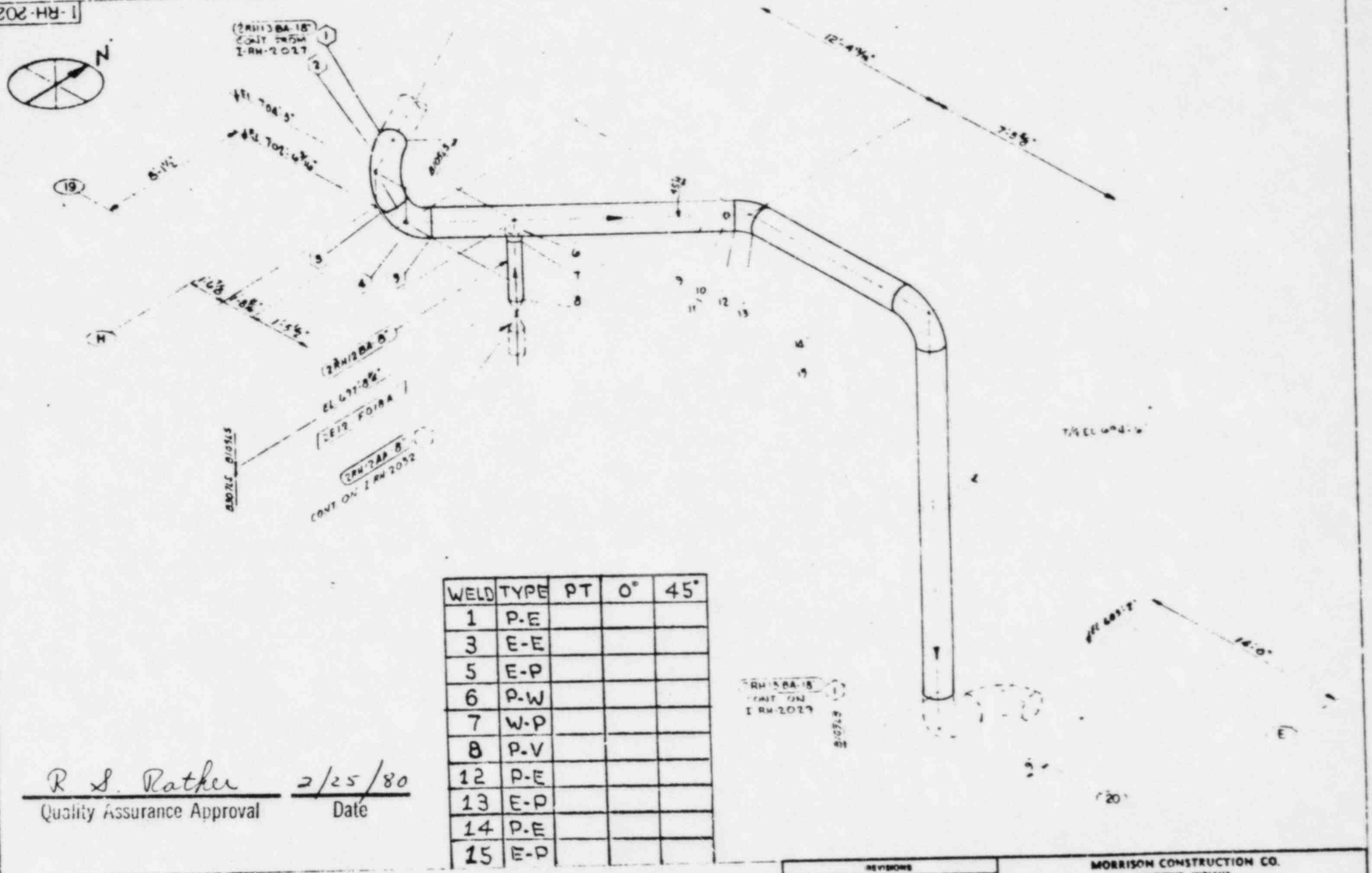
COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

M-132-VK

1-RH-2027

SHEET 1

I-RH-2028



WELD	TYPE	PT	0°	45°
1	P-E			
3	E-E			
5	E-P			
6	P-W			
7	W-P			
8	P-V			
12	P-E			
13	E-P			
14	P-E			
15	E-P			

R S. Rather — Quality Assurance Approval

2/25/80 — Date

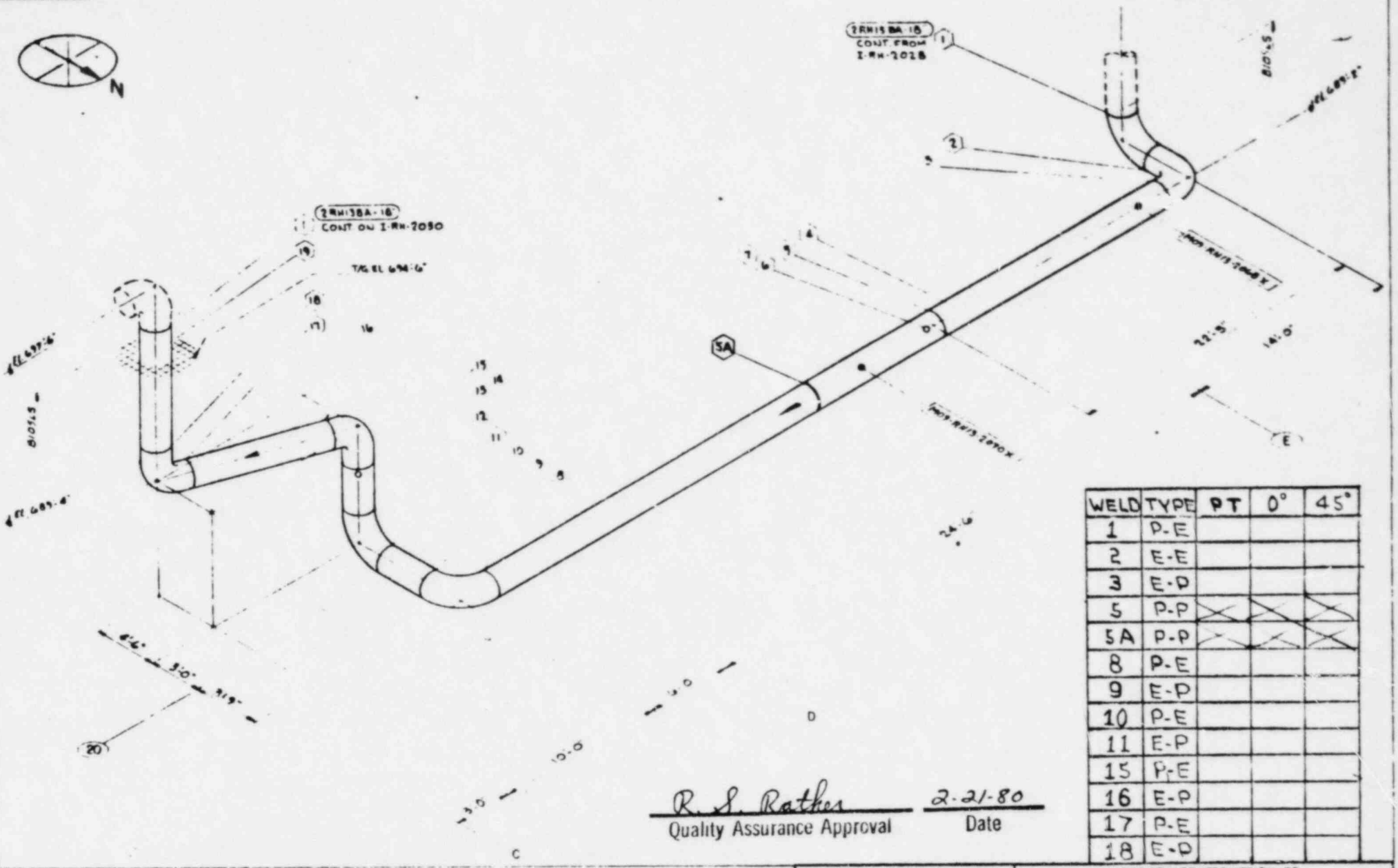
G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6 , PT #2 Rev. 6
Cal. Std.: welds 7,8 01-08-02; all other welds 01-18-05

REVISIONS			
REV			DATE
0	PRELIMINARY		3/10/72

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2028



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-E			
3	E-P			
5	P-P	X	X	X
5A	P-P	X	X	X
8	P-E			
9	E-P			
10	P-E			
11	E-P			
15	P-E			
16	E-P			
17	P-E			
18	E-P			

R. S. Rathes
Quality Assurance Approval

2-21-80
Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev 6
Cal. Std.: all welds 01-18-05

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		5-19-77

MORRISON CONSTRUCTION CO.
RAMMOND, INDIANA

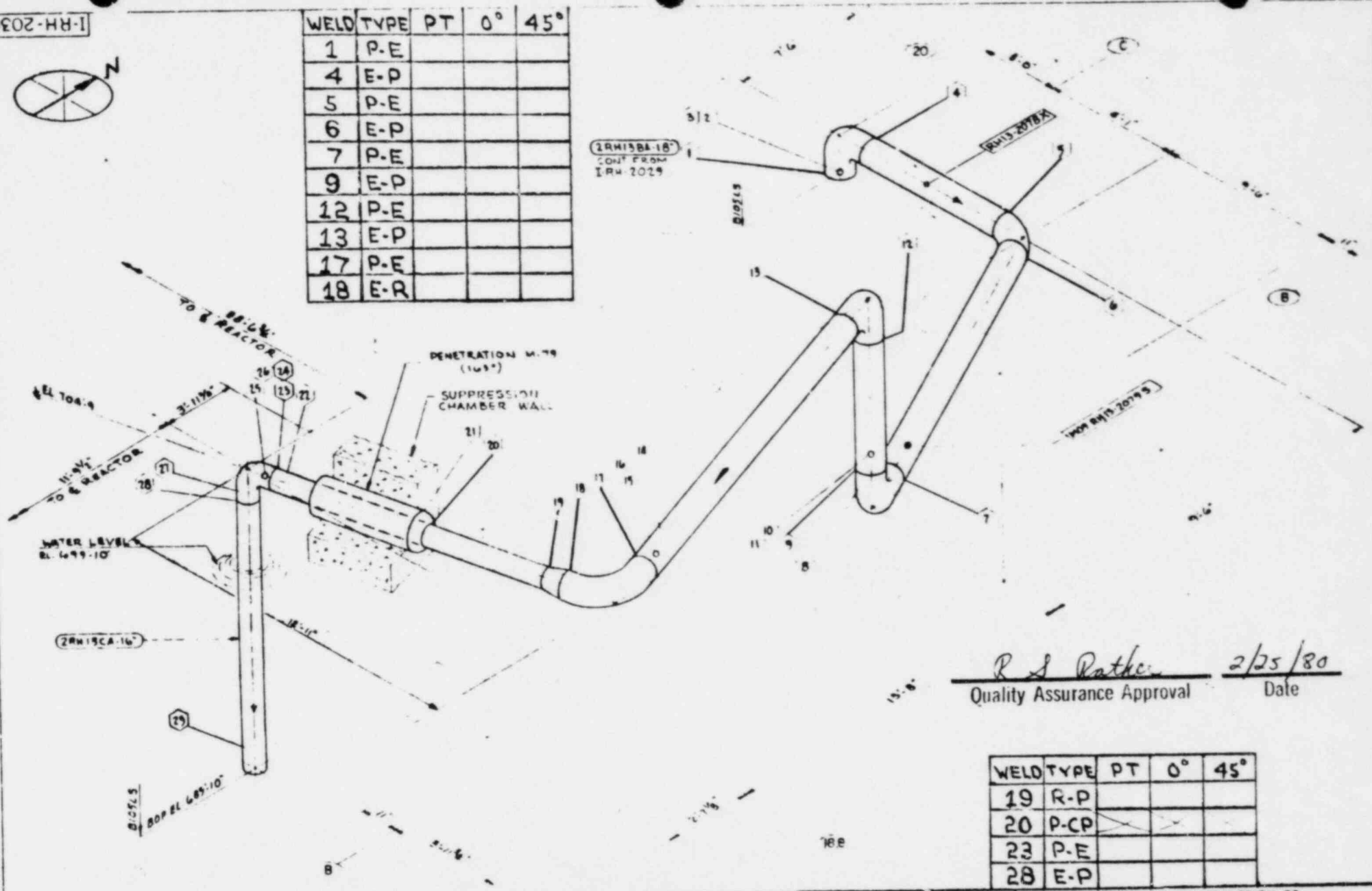
I&T BASED ON ASME SEC XI T
MECO I&T QL-123/K

COMMONWEALTH EDISON CO LASALLE COUNTY
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2029

I-RH-2030

WELD	TYPE	PT	0°	45°
1	P-E			
4	E-P			
5	P-E			
6	E-P			
7	P-E			
9	E-P			
12	P-E			
13	E-P			
17	P-E			
18	E-R			



R S Rathe 2/25/80

Quality Assurance Approval — Date

WELD	TYPE	PT	0°	45°
19	R-P			
20	P-CP			
23	P-E			
28	E-P			

G.E. P.S.I Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: welds 19,20,23,28, 01-14-01; all other welds 01-18-05

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		3-18-80

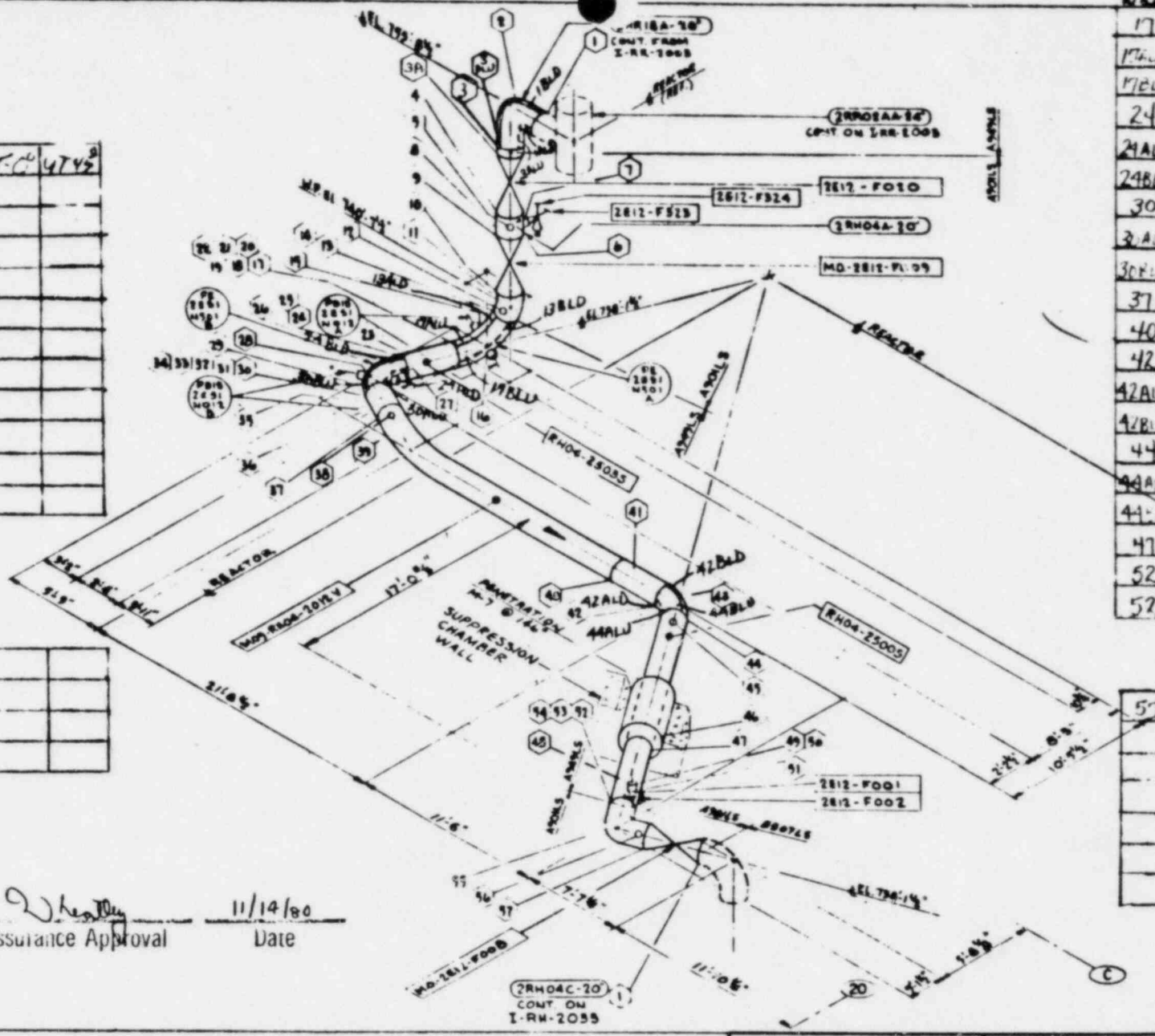
MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2030

SHEET 1

I-RH-2031



1				
1ALD				
1BLD				
3				
3ALD				
3BLD				
3A				
4				
9				
10				

13ALD				
13BLD				
13				
13				

WELD TYPE	0°	45°
17		
17ALD		
17BLD		
24		
24ALD		
24BLD		
30		
30ALD		
30BLD		
37		
40		
42		
42ALD		
42BLD		
44		
44ALD		
44BLD		
47		
52		
52		
57		

L D Wheatley 11/14/80
Quality Assurance Approval Date

PRINTED
NOV 18 1980
MORRISON
HAMMOND INDIANA
ENG DEPT

G.E. PSI Rev. 1 Changes: Deleted L.S. between 52 and 57
ASME Cat.: B-J, B-F as noted on chart, B-K-1 47
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
UT Cal. Std: 01-20-04 welds 3,3A,4,9,10,13,52,57; 01-20-03 all welds including 3,13,52.

REVISIONS			
REV	Description	By	Date
0	[illegible]	[illegible]	5-16-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

JOB NO. 8000 PO 900 900 307 — Drawn [illegible] Date 11-10-79
ISI BASED ON ASME SECT XI Ed — Checked — Date
MCCO ISI-QL-135 Rev — APP'D — Date

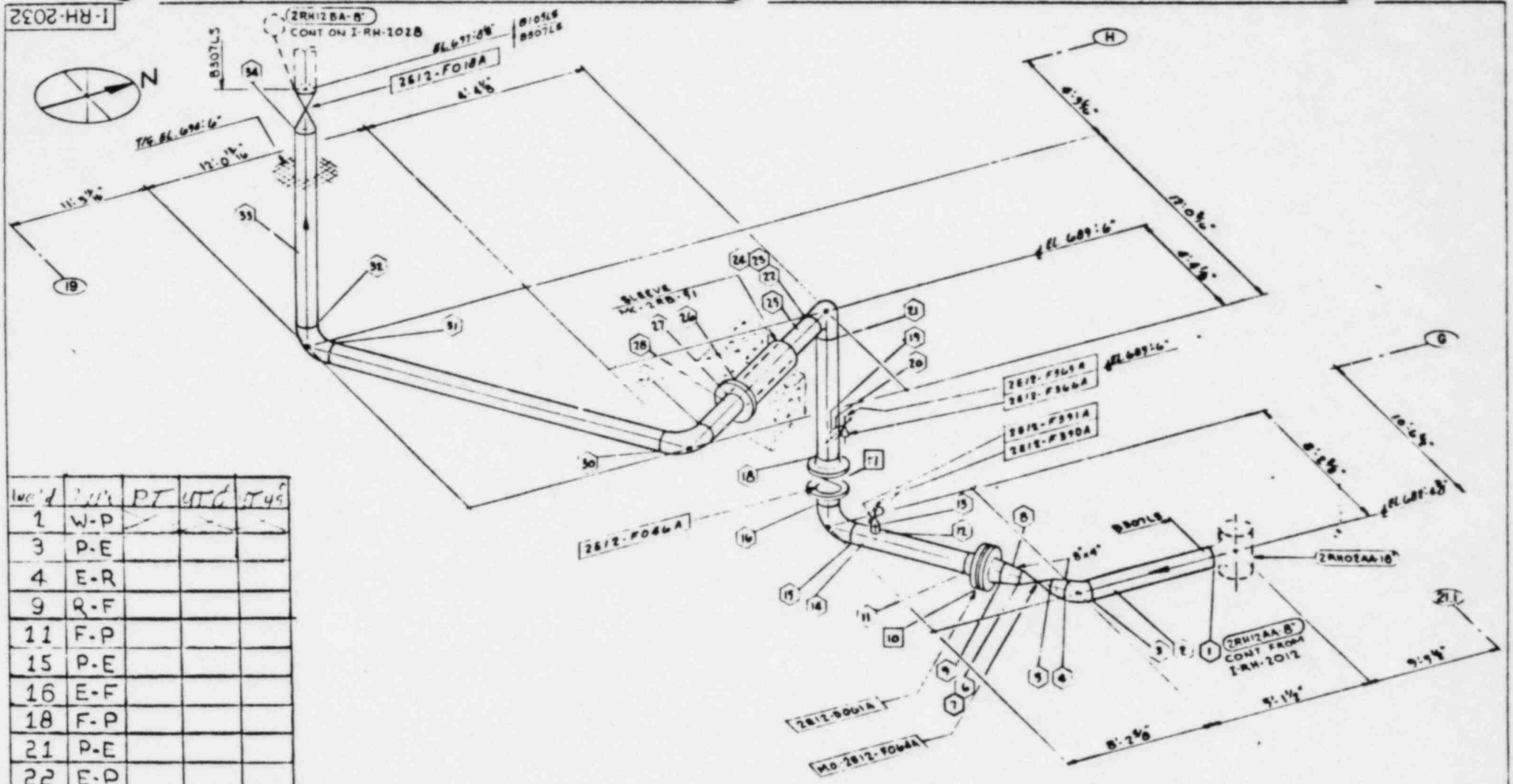
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-525-5/2 M-525-5/2
M-182-2/4

MCCO I&O #
I-RH-2031

SHEET 1 MCCO 6361 877

I-RH-2032



Item	Welds	PT	UT 0°	UT 45°
1	W-P	~	~	~
3	P-E			
4	E-R			
9	R-F			
11	F-P			
15	P-E			
16	E-F			
18	F-P			
21	P-E			
22	E-P			
27	P-FH	~		
29	P-E			
30	E-P			
31	P-E			
32	E-P			
34	P-V			

R J Rather — Quality Assurance Approval — 2-20-80 — Date

PRINTED
MAY 18 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. P.S.I. Rev. 1 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev.6
Cal. Std.: all welds 01-08-02

REVISIONS				
REV	Description	By	Ck'd	Date
0	[illegible]			5-10-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No 3486 Tx 904 900 307 — Drawn B.F. Gregg Date 1-11-79
1ST BASED ON ASME SECT. XI T — Checked — Date
MCCO 151-OL-129/K — Approved — Date

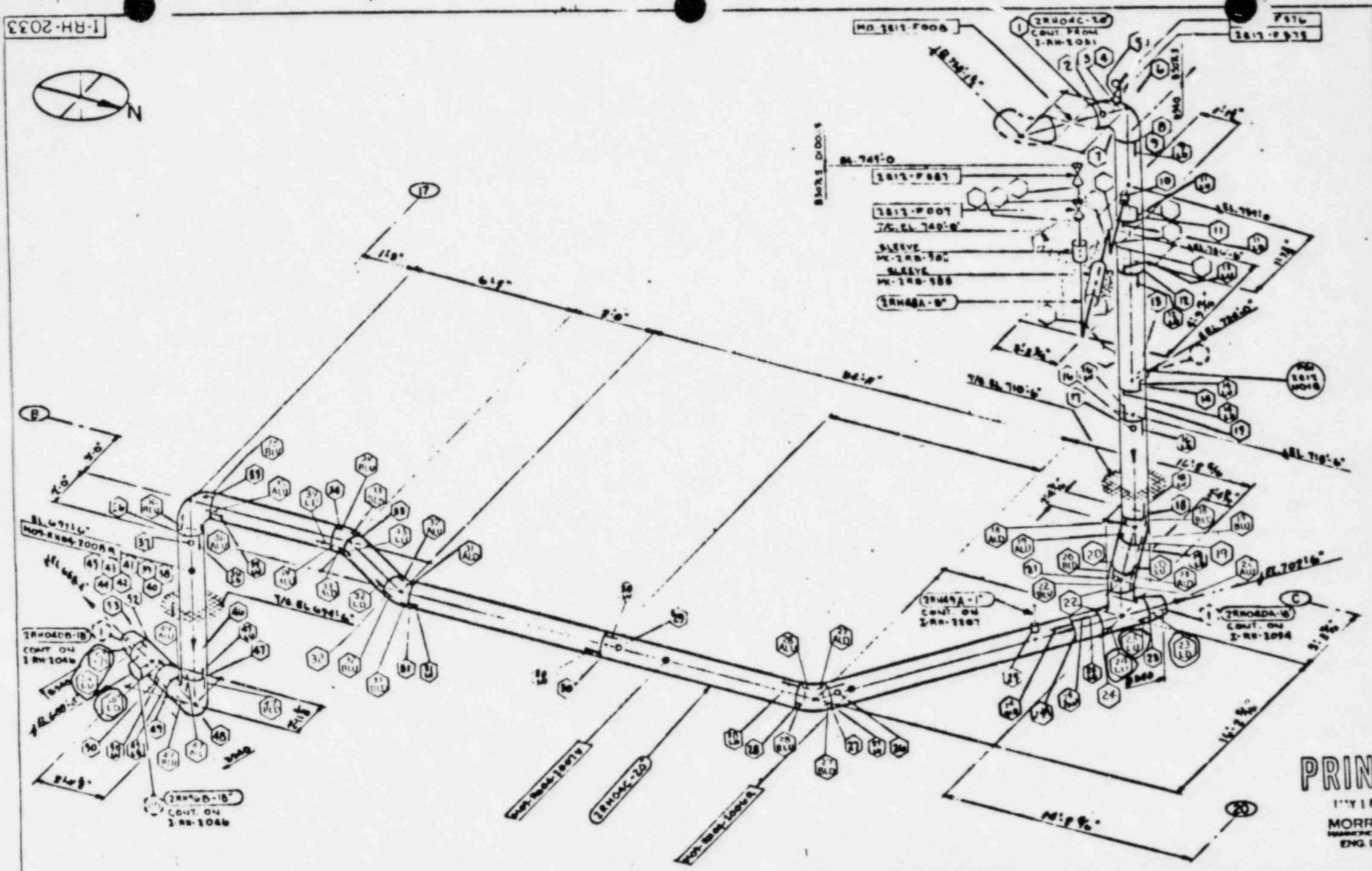
COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. M-332-2/P, Sh. 332-5/2
M-142 1/K

MCCO DWG. I-RH-2032

SHEET 1 REV 0 INT 0??

1-RH-2033



GE PSI Rev 2

Gordon Craigo — Quality Assurance Approval

10/29/81 — Date

REVISIONS			

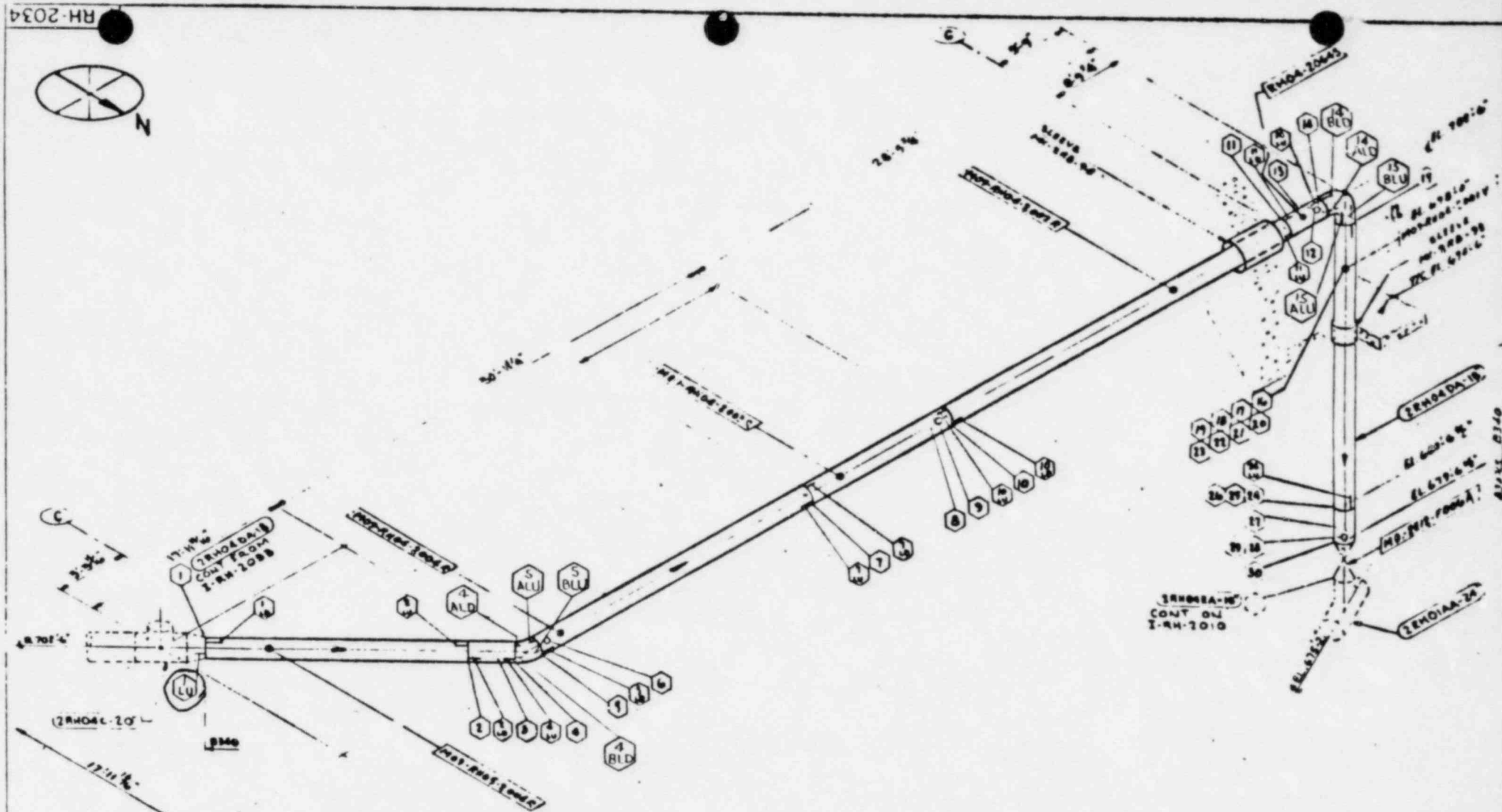
MORRISON CONSTRUCTION CO.
MADISONVILLE, INDIANA

ISI BASED ON ASME SECT XI

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2033

RH-2034



Gordon Gargo — 10/25/81

Quality Assurance Approval — Date

PRINTED

MORRISON ENG. DEPT

GE PSI Rev. 1

REVISIONS			
REV		BY	Date
			5-21-81

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 8008 P.R. 004 000 207
Drawn [illegible] Date
IST BASED ON ASME SECT XI
Checked Date
MCCO IST-01-129/x
Approved Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

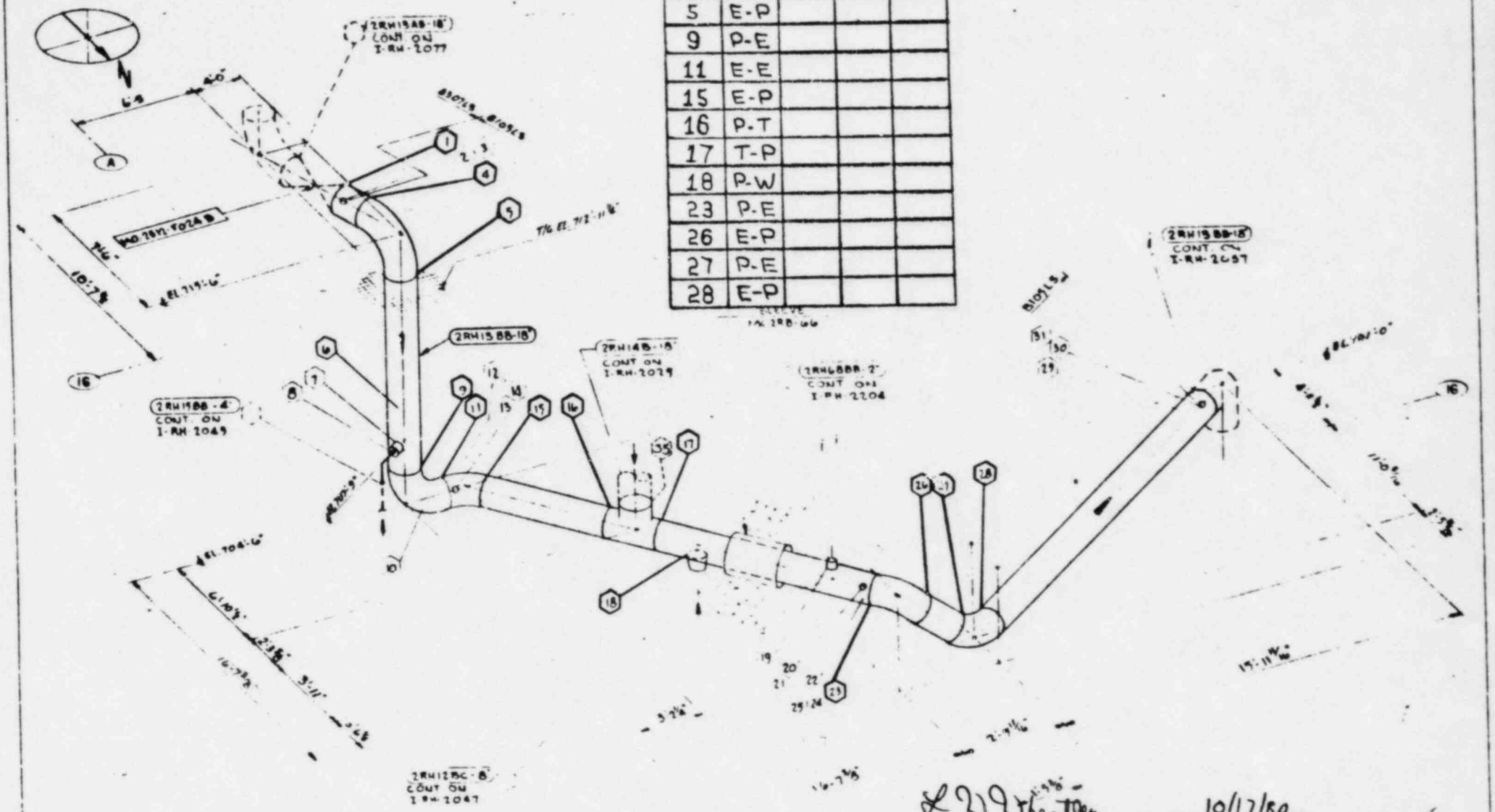
REF Dwg No M-382-A/G, B/G, M-182-1/x

MCCO NO. 1-RH-2034

SHEET 1

I-RH-2036

WELD	TYPE	PT	0°	45°
1	V-P			
4	P-E			
5	E-P			
9	P-E			
11	E-E			
15	E-P			
16	P-T			
17	T-P			
18	P-W			
23	P-E			
26	E-P			
27	P-E			
28	E-P			



Quality Assurance Approval — Date: 10/17/80

G.E PSI Rev. 1 Changes:

ASME Cat.: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-18-05 all welds.

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		7-18-79

MORRISON CONSTRUCTION CO.
RAYMOND, MISSISSIPPI

TST BASED ON ASME SECT XI 1
MECO 133-RH-139/W

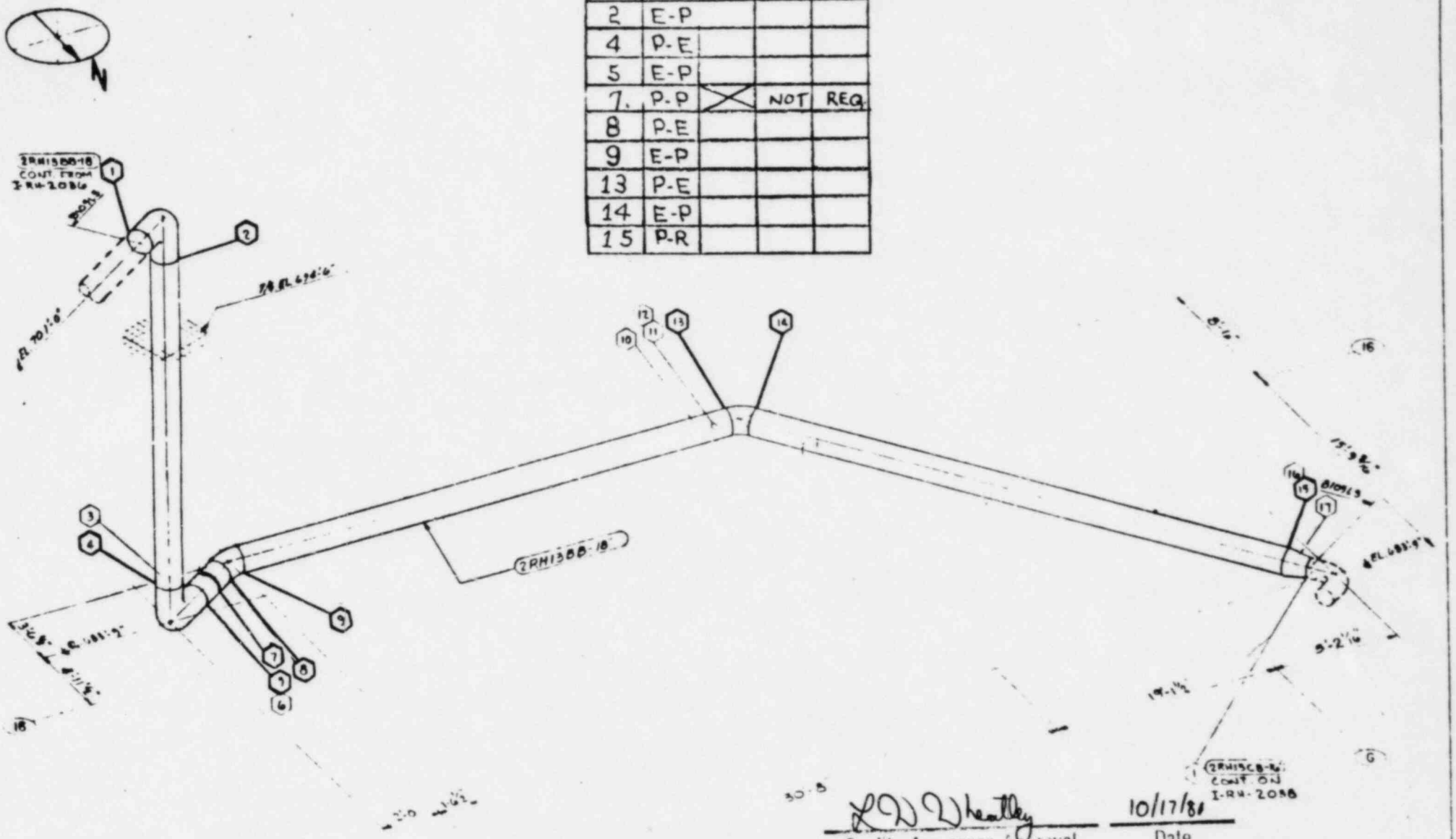
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2036

SHEET 1

1-RH-2037

WELD	TYPE	NT	0°	45°
1	P-E			
2	E-P			
4	P-E			
5	E-P			
7.	P-P	X	NOT	REQ
8	P-E			
9	E-P			
13	P-E			
14	E-P			
15	P-R			



L D Wheatley 10/17/81

Quality Assurance Approval Date

G.E. PSI Rev. 1 Changes: Weld #5A to #7
ASME Cat.: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-18-05 all welds.

REVISIONS			
NO.	Description	By	Date
0	PRELIMINARY		2-10-82

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

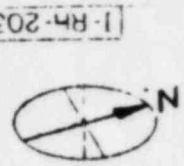
TYT BASED ON ASME SECT XI 1
MCCO [illegible]

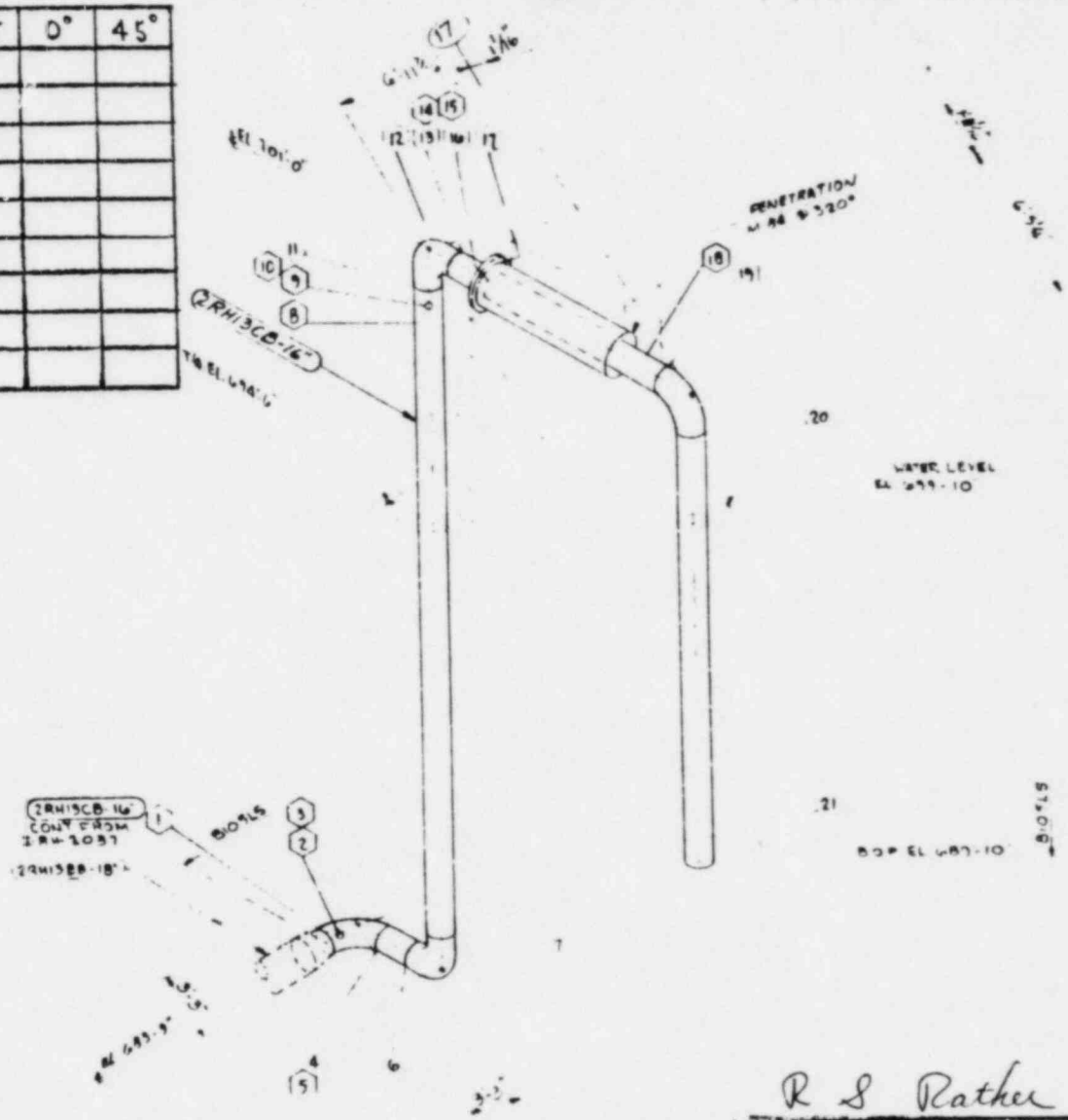
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH 2037

1-RH-2038

WELD	TYPE	PT	0°	45°
1	R-E			
4	E-P			
6	P-E			
7	E-P			
11	P-E			
13	E-P			
16	P-CP			
19	P-E			
20	E-P			





R S Rather 2/25/80

Quality Assurance Approval — Date

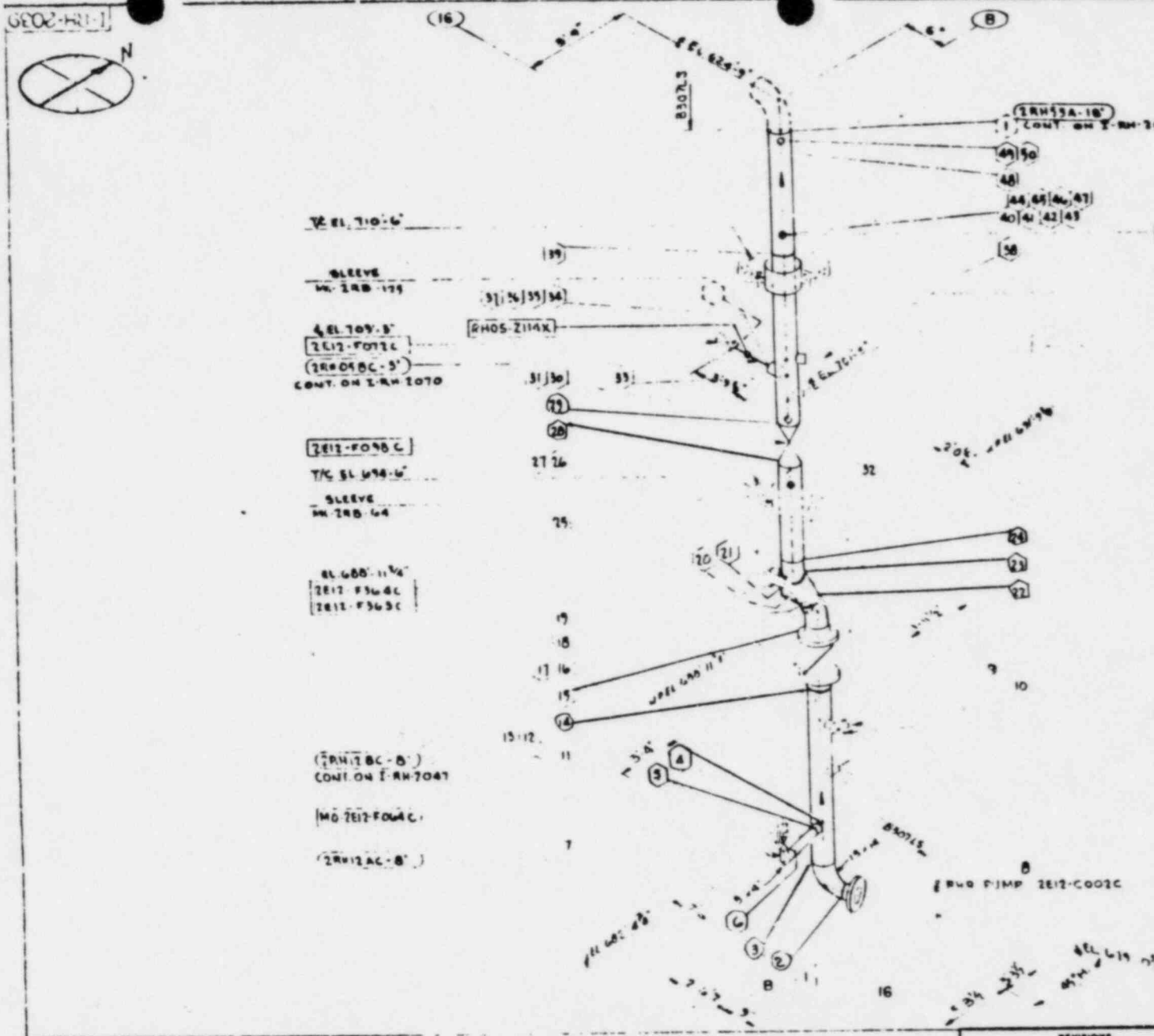
G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std.: all welds 01-14-01

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		1-8-79

MORRISON CONSTRUCTION CO.

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2038



WELD	TYPE		0°	45°
2	F-E			
3	E-P			
4	P-W			
5	W-P			
6	P-E			
14	P-V			
15	F-E	X	X	X
22	E-P			
23	P-E			
24	E-P			
28	P-V	X	X	X
29	V-P			
39	P-P	X	X	X

R S Rather — 2-21-80

Quality Assurance Approval — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev.6 , PT #2 Rev.6
Cal. Std.: weld 2, 01-14-03; welds 4,5,6, 01-08-02; all other welds 01-18-01

REVISIONS			
NO.			DATE
0	PRELIMINARY		3-18-80

MORRISON CONSTRUCTION CO.

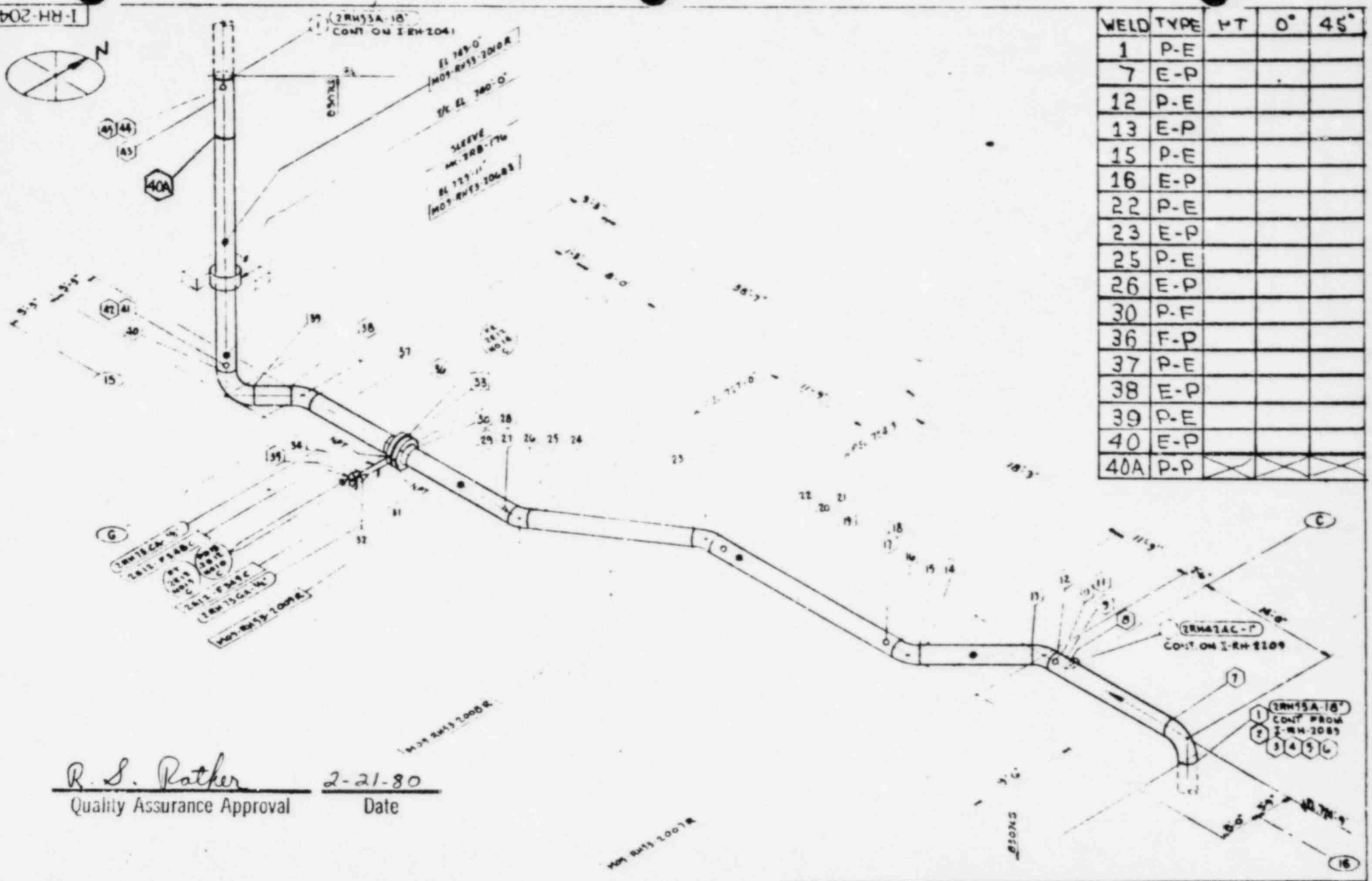
ISI BASED ON ASME SECT XI &
MCCR 132-RH-1375

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 &

INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2039

1-RH-2040



WELD	TYPE	MT	0°	45°
1	P-E			
7	E-P			
12	P-E			
13	E-P			
15	P-E			
16	E-P			
22	P-E			
23	E-P			
25	P-E			
26	E-P			
30	P-F			
36	F-P			
37	P-E			
38	E-P			
39	P-E			
40	E-P			
40A	P-P			

R. S. Rather — 2-21-80

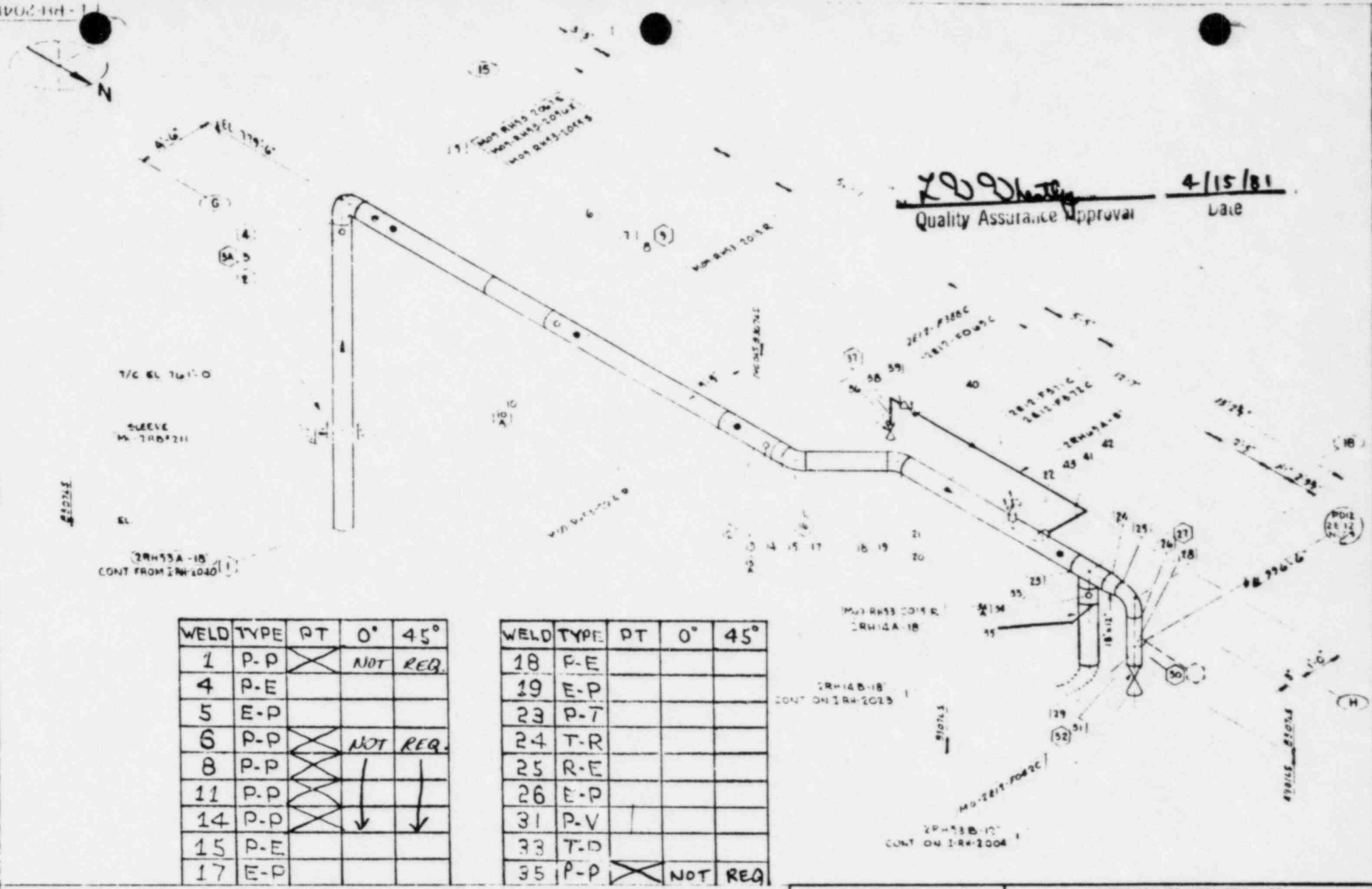
Quality Assurance Approval — Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev.6, PT #2 Rev. 6
Cal.Std.: all welds 01-18-01

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION		5-6-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

JOB NO. 8486 — DRAWN — DATE 11-15-78
TEST BASED ON ASME SEC XI 1
MCCO 137-01-137/1 — CHECKED — DATE
COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL
REF DWG NO. M-382 SH. 2 REV. 0, M-382 REV.
DRAWING NO. 1-RH-2040
SHEET 1



Quality Assurance Approval — Date 4/15/81

WELD	TYPE	PT	0°	45°
1	P-P	X	NOT	REQ.
4	P-E			
5	E-P			
6	P-P	X	NOT	REQ.
8	P-P	X	↓	↓
11	P-P	X		
14	P-P	X		
15	P-E			
17	E-P			

WELD	TYPE	PT	0°	45°
18	P-E			
19	E-P			
23	P-T			
24	T-R			
25	R-E			
26	E-P			
31	P-V			
33	T-D			
35	P-P	X	NOT	REQ

G.E. PSI Rev. 1 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 6
Cal. Std.: 01-12-01 welds 25,26,31; 01-18-01 all other welds.

REVISIONS

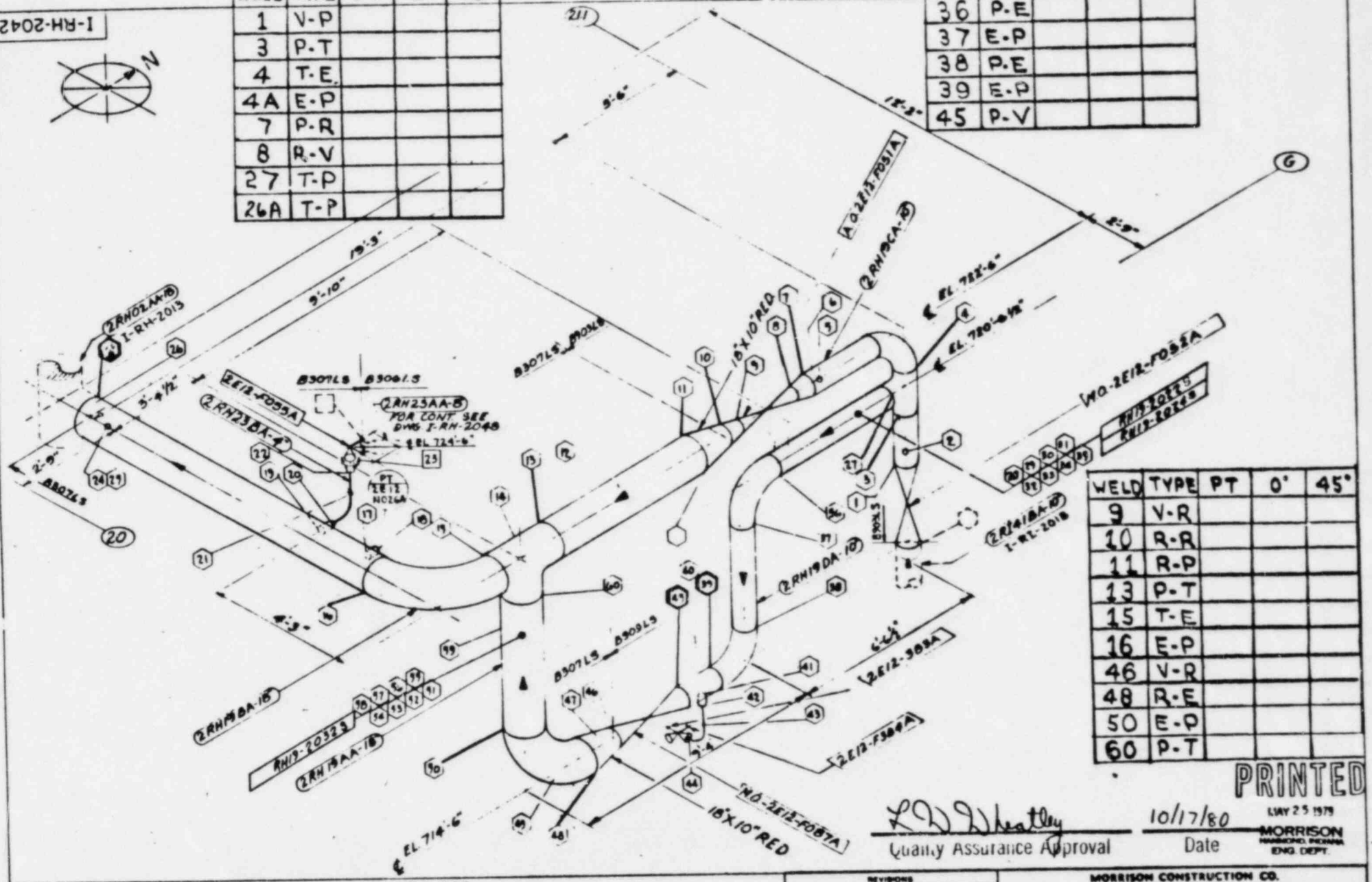
MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI
MCCO ISI-01 (1)
COMMONWEALTH EDISON CO. LASALLE CO. NUCLEAR UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2042

WELD	TYPE	PT	0°	45°
1	V-P			
3	P-T			
4	T-E			
4A	E-P			
7	P-R			
8	R-V			
27	T-P			
26A	T-P			

WELD	TYPE	PT	0°	45°
36	P-E			
37	E-P			
38	P-E			
39	E-P			
45	P-V			



WELD	TYPE	PT	0°	45°
9	V-R			
10	R-R			
11	R-P			
13	P-T			
15	T-E			
16	E-P			
46	V-R			
48	R-E			
50	E-P			
60	P-T			

PRINTED
MAY 25 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

K D Whatley
Quality Assurance Approval

10/17/80
Date

G.E. PSI Rev. 2 Changes: Added weld 26A
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-18-01 welds 11,13,15,16,48,50,60,26A; 01-06-02 weld 8
01-06-01 weld 9; 01-10-02 welds 10,46; 01-10-01 all other welds.

REVISIONS			
NO.		BY	DATE
0	PRELIMINARY		4-30-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI & MCCO ISI-01-126G

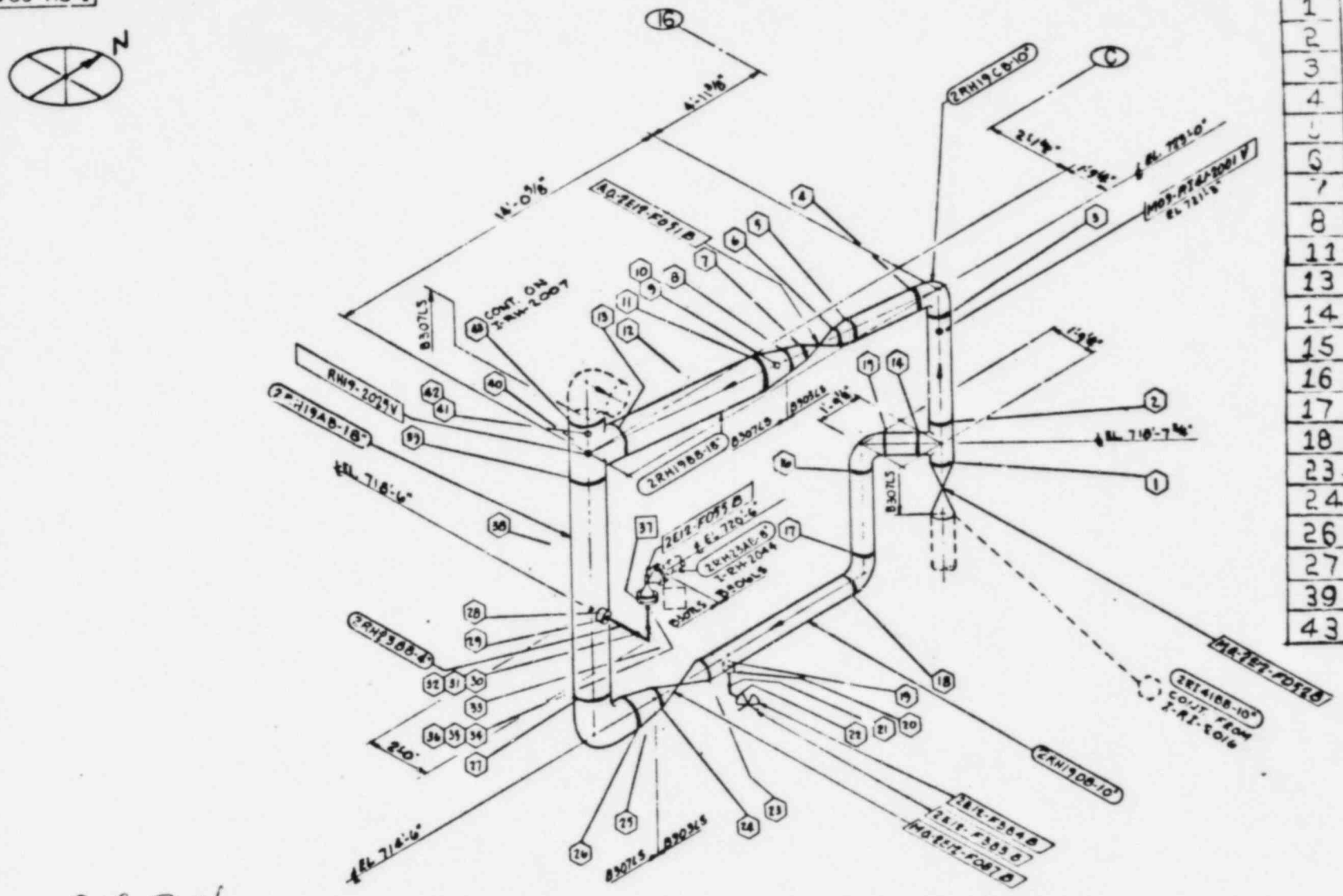
Drawn DDD Date 4-30-79
Checked Date
APP'D Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

MCCO DWG NO. I-RH-2042

SHEET-1

1-RH-2043



1	V-T
2	T-P
3	P-E
4	E-P
5	P-R
6	R-V
7	V-R
8	R-R
11	R-P
13	P-T
14	T-P
15	P-E
16	E-P
17	P-E
18	E-P
23	P-V
24	V-R
26	R-E
27	E-P
39	P-T
43	T-E

PRINTED
MAY 18 1979
MORRISON
MACHINERY
ENG. DEPT.

R S Rather
Quality Assurance Approval

2-19-80
Date

G.E. P.S.I. Rev. 1 Changes
ASME Cat.: C-F
Procedure: UT #1 Rev. 6, PT #2 Rev.6
Cal. Std.: weld 43, 01-18-01; weld 6, 01-06-02; all other welds 01-10-01; welds 7, 01-06-01; welds 8,24, 01-10-02; welds 11,13,26,27,39,43, 01-18-01

REVISIONS			
REV	Description	By	Date
0	PRELIMINARY		5-8-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 2466 Pg 004 000 307
I.S.I. BASED ON ASME SECT XI (
MCCO ISI 04-1763-3

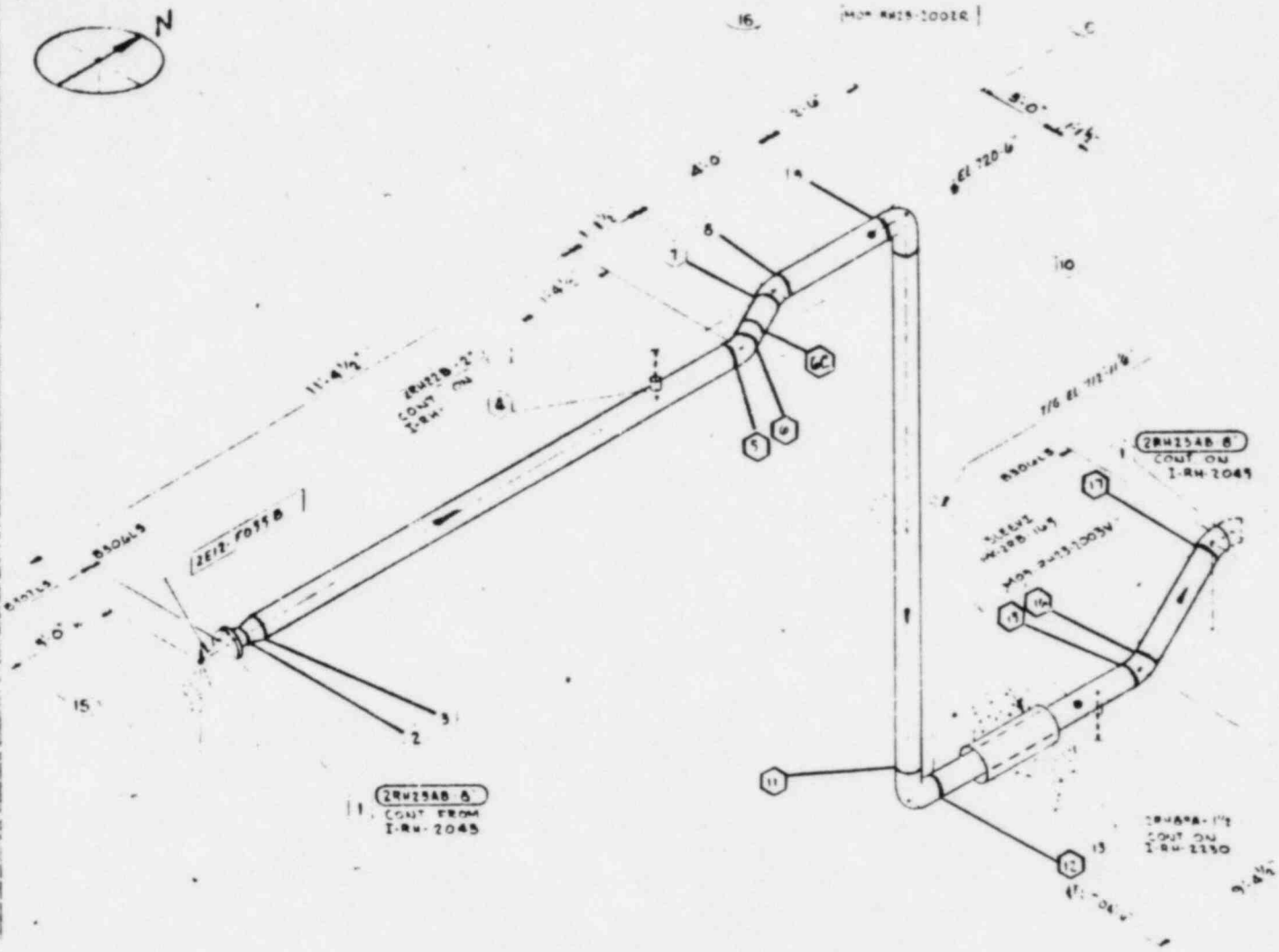
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF Dwg No. BF-932 2/1 M-721-6 R
M-148-5/6

MCCO DWG #
1-RH-2043

SHEET 1

HH 2044



WELD	TYPE	PT	0°	45°
3	R-P			
5	P-E			
6	E-P			
7	P-E			
8	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P			
15	P-E			
16	E-P			
17	P-E			
2	F-R			
6C	P-P			

L D Whatley
Quality Assurance Approval

10/30/80
Date

G.E. PSI Rev. 1 Changes: Added weld 6C and 2
ASME Cat.: C-F
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-06-01 weld 2
01-08-02 all other welds.

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		7-18-79

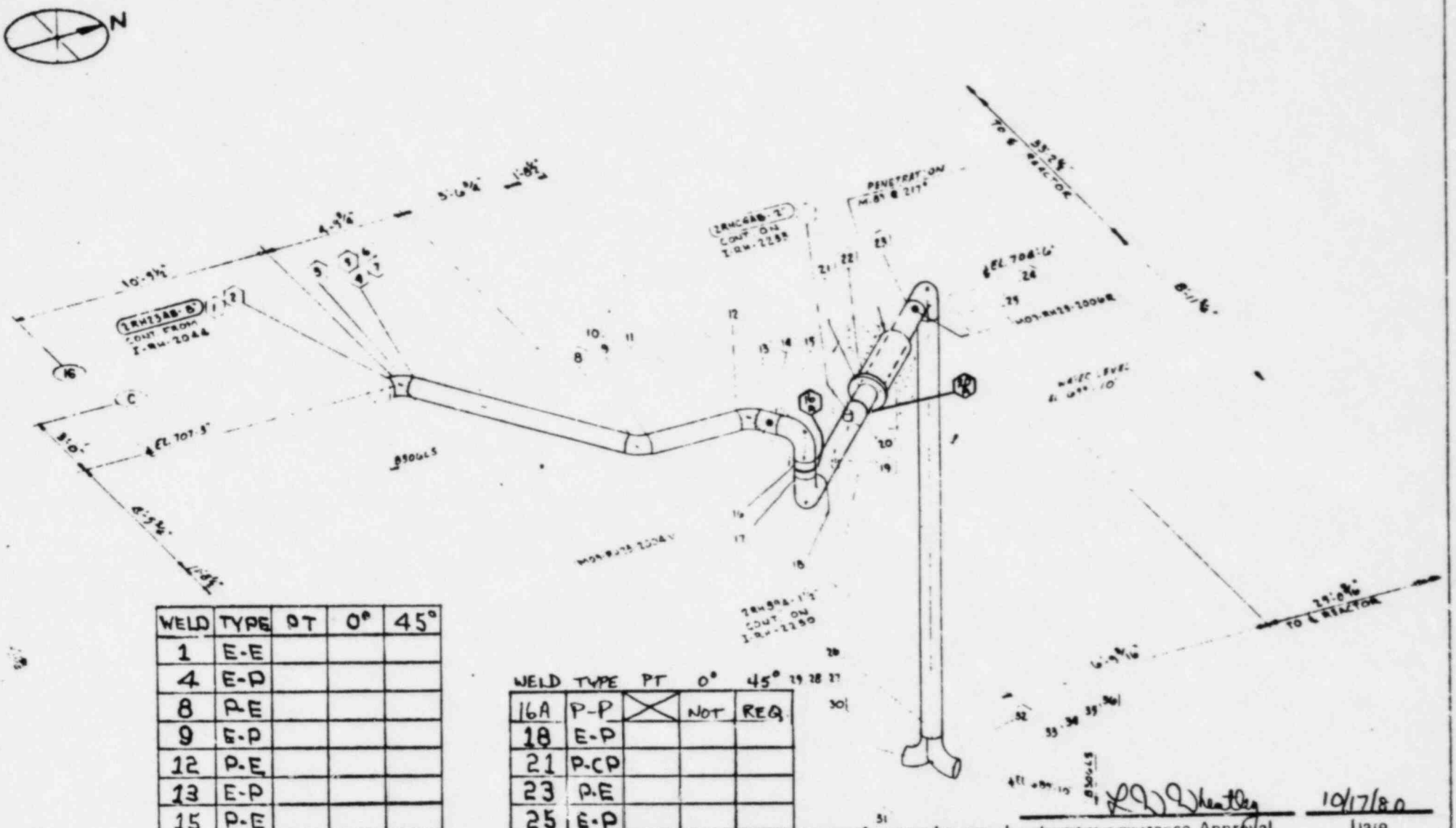
MORRISON CONSTRUCTION CO.

1ST BASED ON ASME SEC. XI

COMMONWEALTH EDISON CO. LASALLE COUNTY NUCLEAR UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2016

1-RH-2045



WELD	TYPE	PT	0°	45°
1	E-E			
4	E-P			
8	P-E			
9	E-P			
12	P-E			
13	E-P			
15	P-E			
16	E-P			
17	P-E			

WELD	TYPE	PT	0°	45°
16A	P-P	X	NOT	REQ
18	E-P			
21	P-CP			
23	P-E			
25	E-P			
27	P-RH			
30	RHLS			
20A	P-P			

Quality Assurance Approval — Date 10/17/80

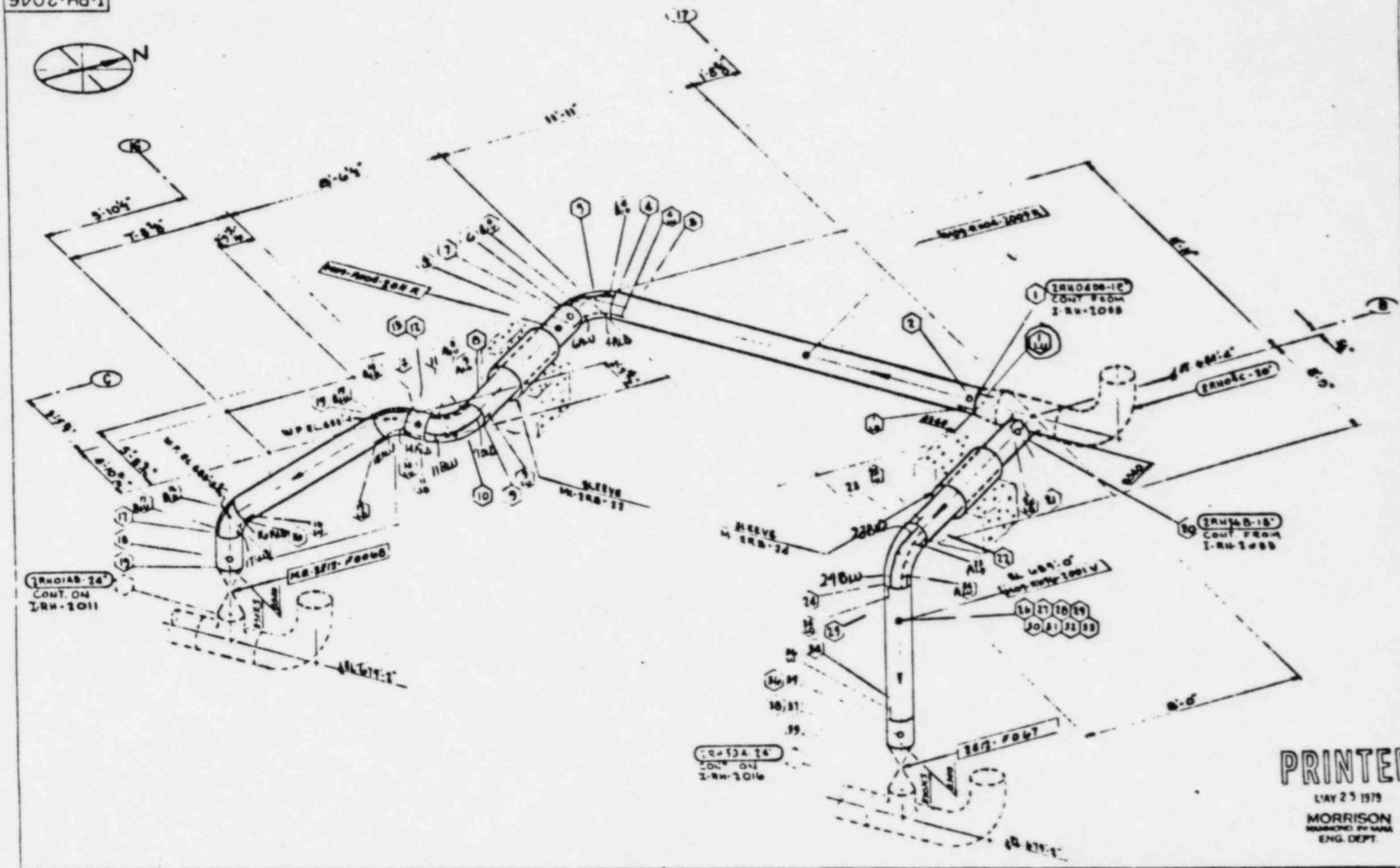
G.E. PSI Rev. 1 changes: Added welds 16A and 20A
ASME Cat.: C-F , C-E-1 #21
Procedures: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-08-04 welds 20A,23,25,27,30; 01-08-02 all other welds.

REVISORS			
REV	Description	By	Date
0	PRELIMINARY		5-19-77

MORRISON CONSTRUCTION CO.

COMMONWEALTH EDISON CO LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2045



GE PSI Rev. 2

Gordon Craigo — 10/29/81

Quality Assurance Approval — Date

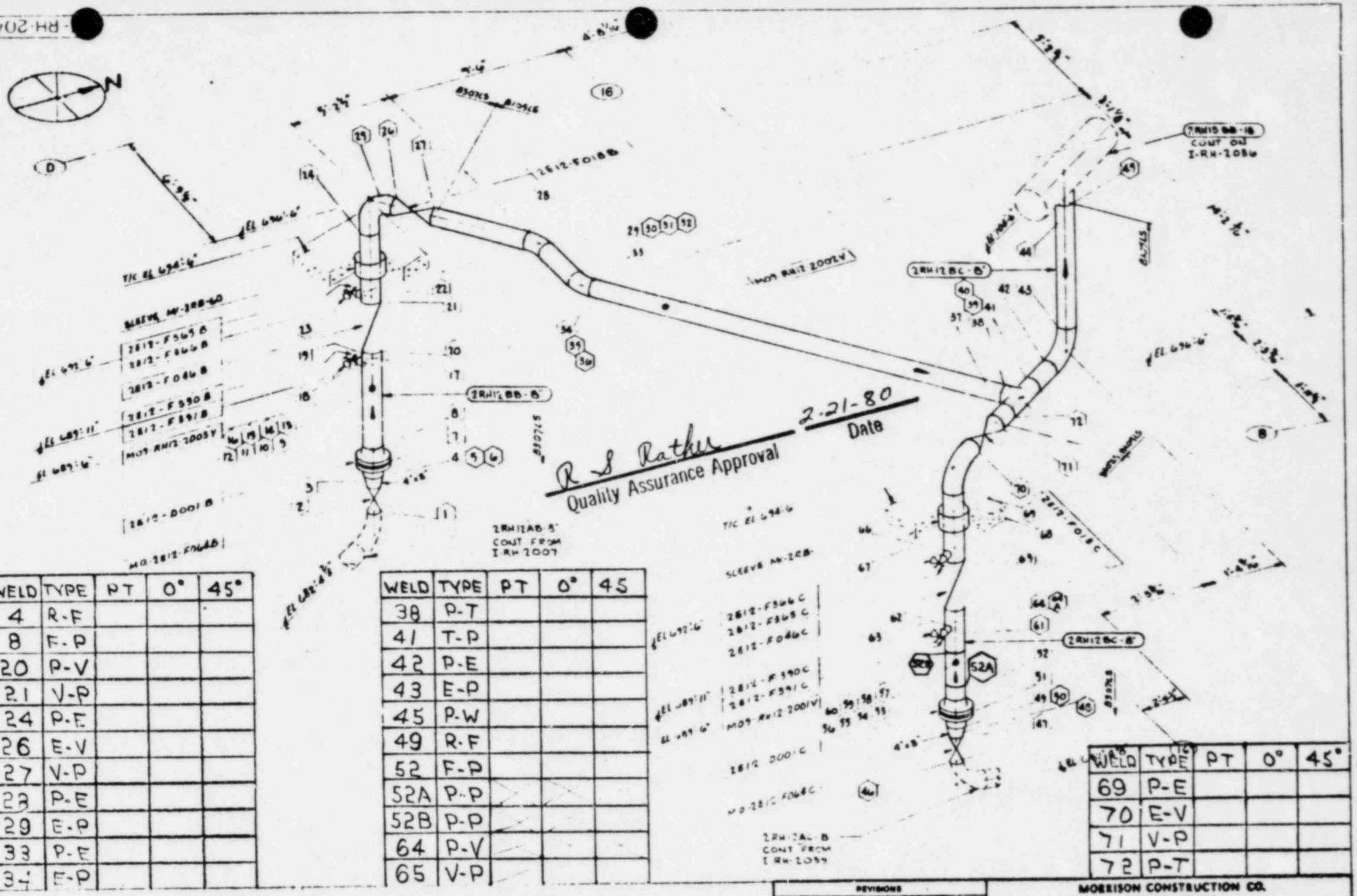
REVISIONS			

MORRISON CONSTRUCTION CO.
RAYMOND, INDIANA

PSI BASED ON ASME SECT XI E

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-RH-2046



WELD	TYPE	PT	0°	45°
4	R-F			
8	F-P			
20	P-V			
21	V-P			
24	P-E			
26	E-V			
27	V-P			
28	P-E			
29	E-P			
33	P-E			
34	E-P			

WELD	TYPE	PT	0°	45
38	P-T			
41	T-P			
42	P-E			
43	E-P			
45	P-W			
49	R-F			
52	F-P			
52A	P-P			
52B	P-P			
64	P-V			
65	V-P			

WELD	TYPE	PT	0°	45°
69	P-E			
70	E-V			
71	V-P			
72	P-T			

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev.6
Cal. Std.: all welds 01-08-02

REVISIONS

REV	Description	By	Date
A	PRELIMINARY		9 21 79

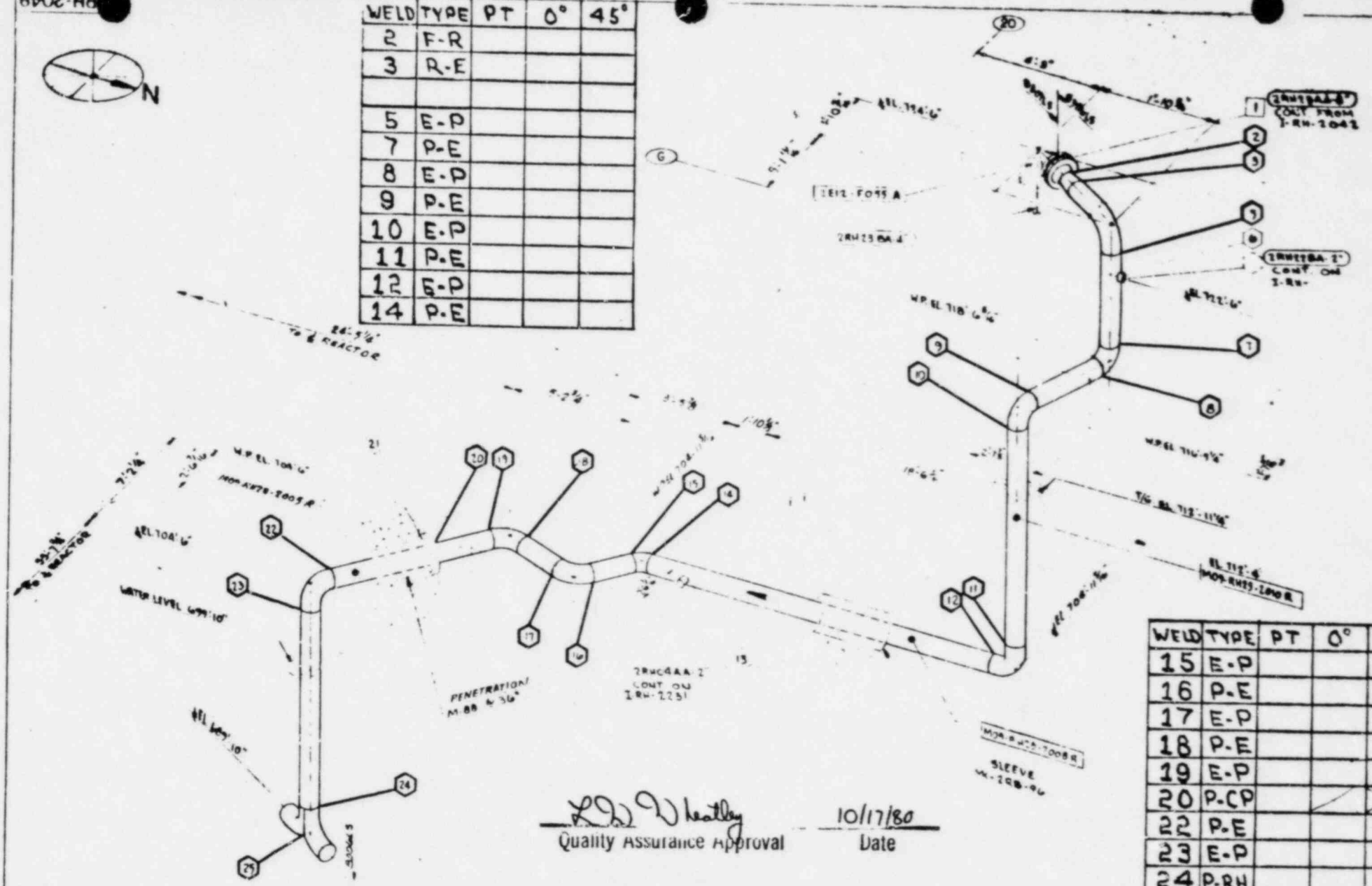
MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2047

SHEET 1

WELD	TYPE	PT	0°	45°
2	F-R			
3	R-E			
5	E-P			
7	P-E			
8	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P			
14	P-E			



WELD	TYPE	PT	0°	45°
15	E-P			
16	P-E			
17	E-P			
18	P-E			
19	E-P			
20	P-CP		X	X
22	P-E			
23	E-P			
24	P-RH			
25	RHLS			

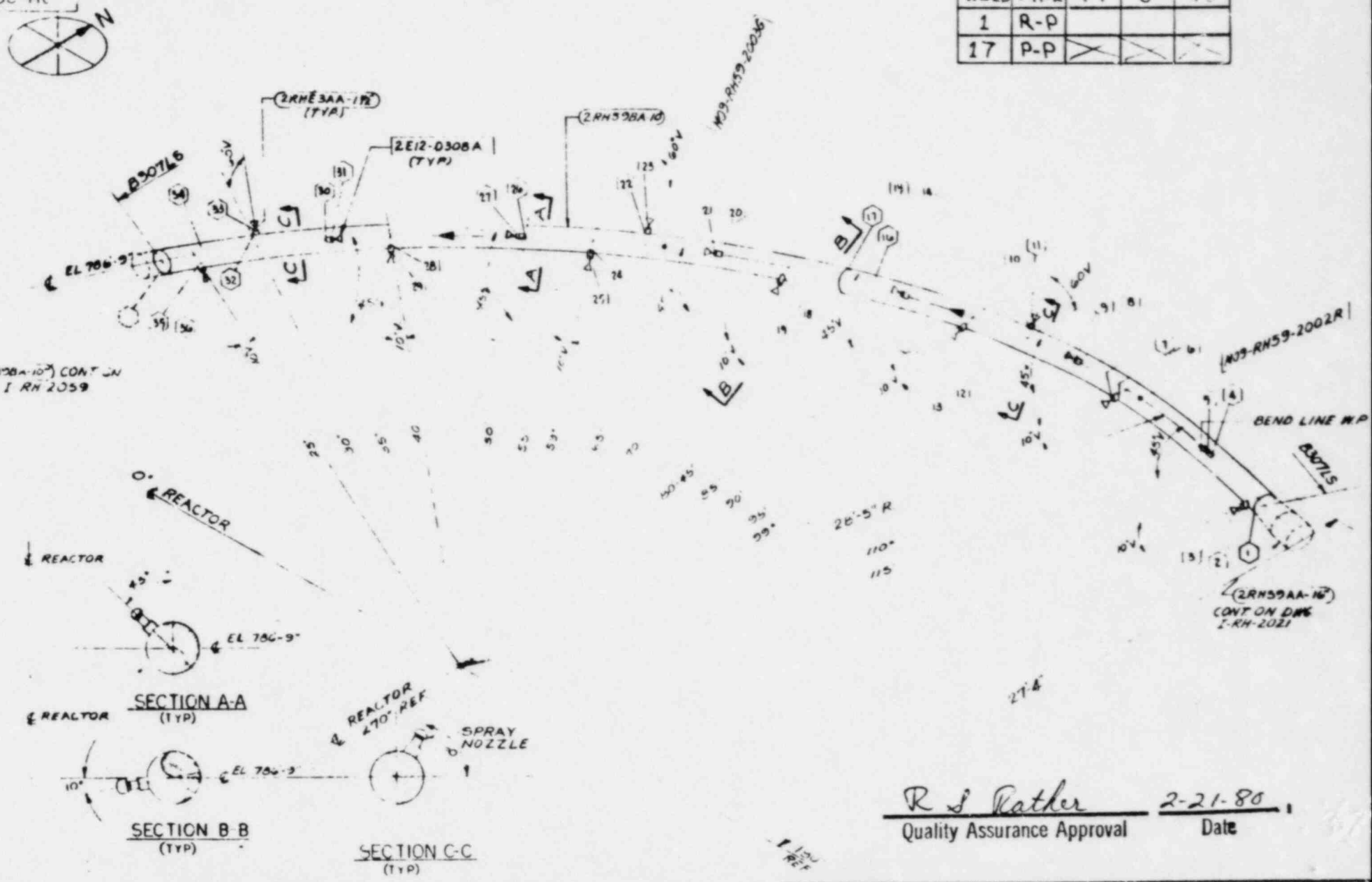
L D Wheatley — Quality Assurance Approval — 10/17/80 — Date

G.E. PSI Rev. 2 Changes: Deleted weld #4
ASME Cat: C-F, C-E-1 #20
Procedures UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-06-01 weld 2; 01-08-04 welds 19,22,23,24,25;
01-08-02 all other welds.

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		7-17-75

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA
JOB NO. 2404 P.O. 804-000-287
ISI BASED ON ASME SECT XI
MSCO ISI-01 12/6
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL
M-183-A/B
1-RH-204B
SHEET 1

WELD	TYPE	PT	0°	45
1	R-P			
17	P-P	X		



R J Rather 2-21-80
Quality Assurance Approval Date

G.E. P.S.I. Rev. 0 Changes
ASME Cat : C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 6
Cal. Std : all welds 01-10-02

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		5-8-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

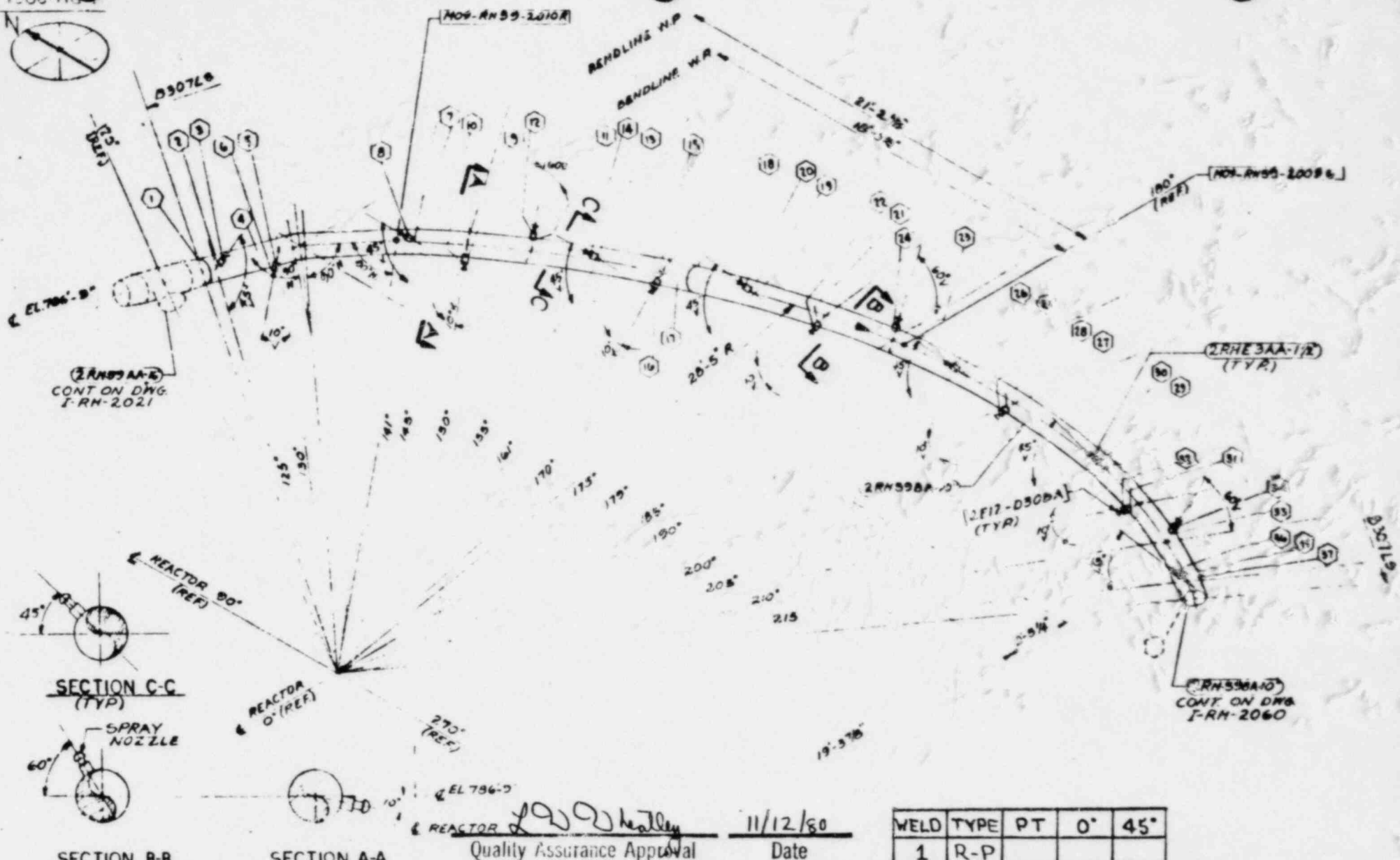
JOB NO 2484 FOR NSP 367 — DRAWN COD — DATE 1-29-79
IST BASED ON ASME SECT XI & — CHECKED — DATE —
WELD NO IS11 123R — APPROVED — DATE —

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 &
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

REF DWG NO M-142 (R) WELDING — W.O. NO —
BE-SSJ-BJ

1-RH-205

SHT. 1



L D Wheatley — Quality Assurance Approval — 11/12/80 — Date

WELD	TYPE	PT	0°	45°
1	R-P			
18	P-P	X	NDT	REQ

G.E. PSI Rev. 1
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std.: 01-10-02 weld 1

REVISIONS				
0	PRELIMINARY			

MORRISON CONSTRUCTION CO.

ISI BASED ON ASME SECTION XI

COMMONWEALTH EDISON CO. LA SALLE

INSERVICE INSPECTION

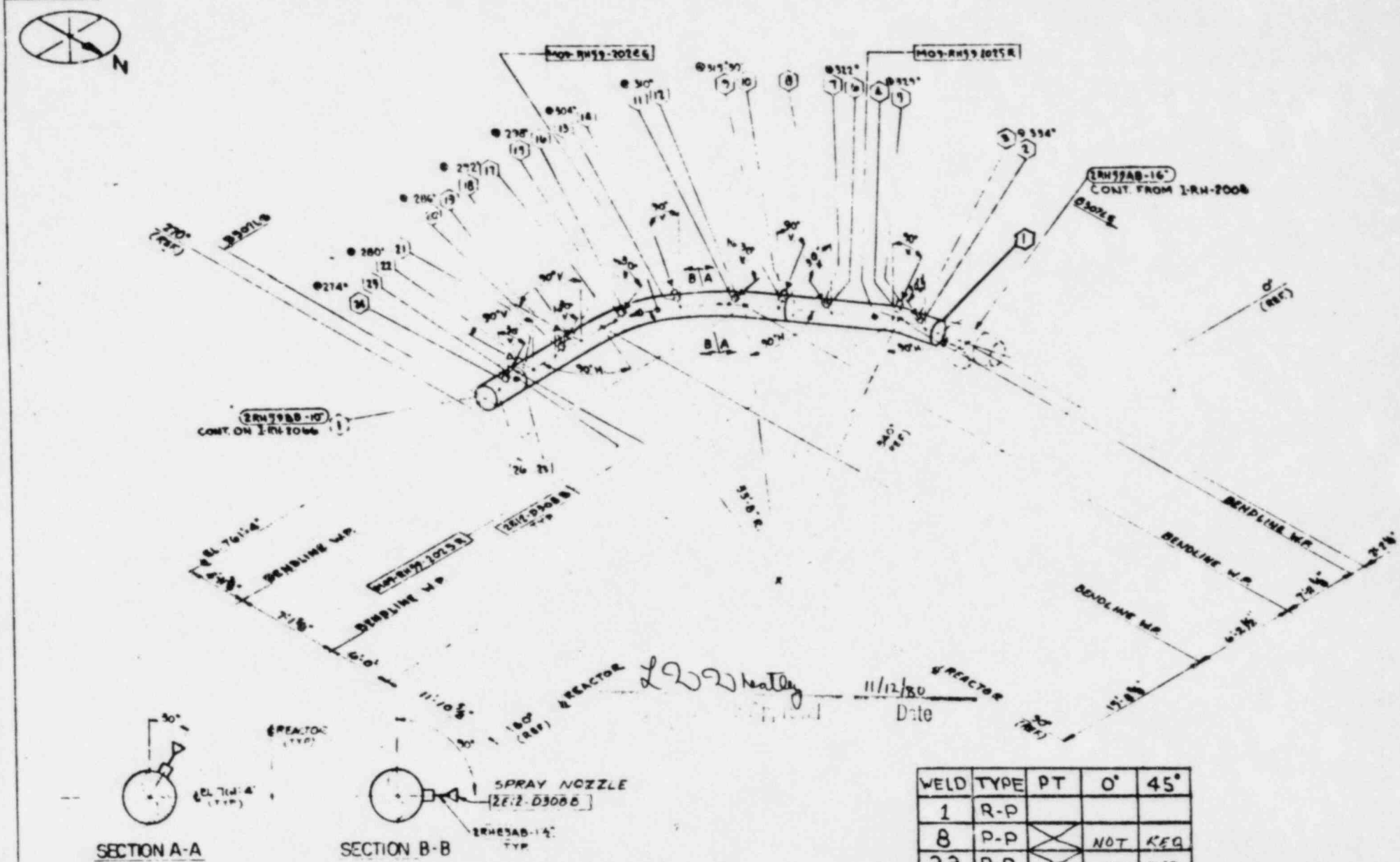
RESIDUAL HEAT REMOVAL

BF-259-BA

I-RH-2061

SH. 1

1-RH2065



L2 2 Neatby 11/12/80
Date

WELD	TYPE	PT	0°	45°
1	R-P			
8	P-P	X	NOT	REQ
23	P-P	X	NOT	REQ

G.E. PSI Rev. 1
ASME Cat.: C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Std: 01-10-02 weld 1

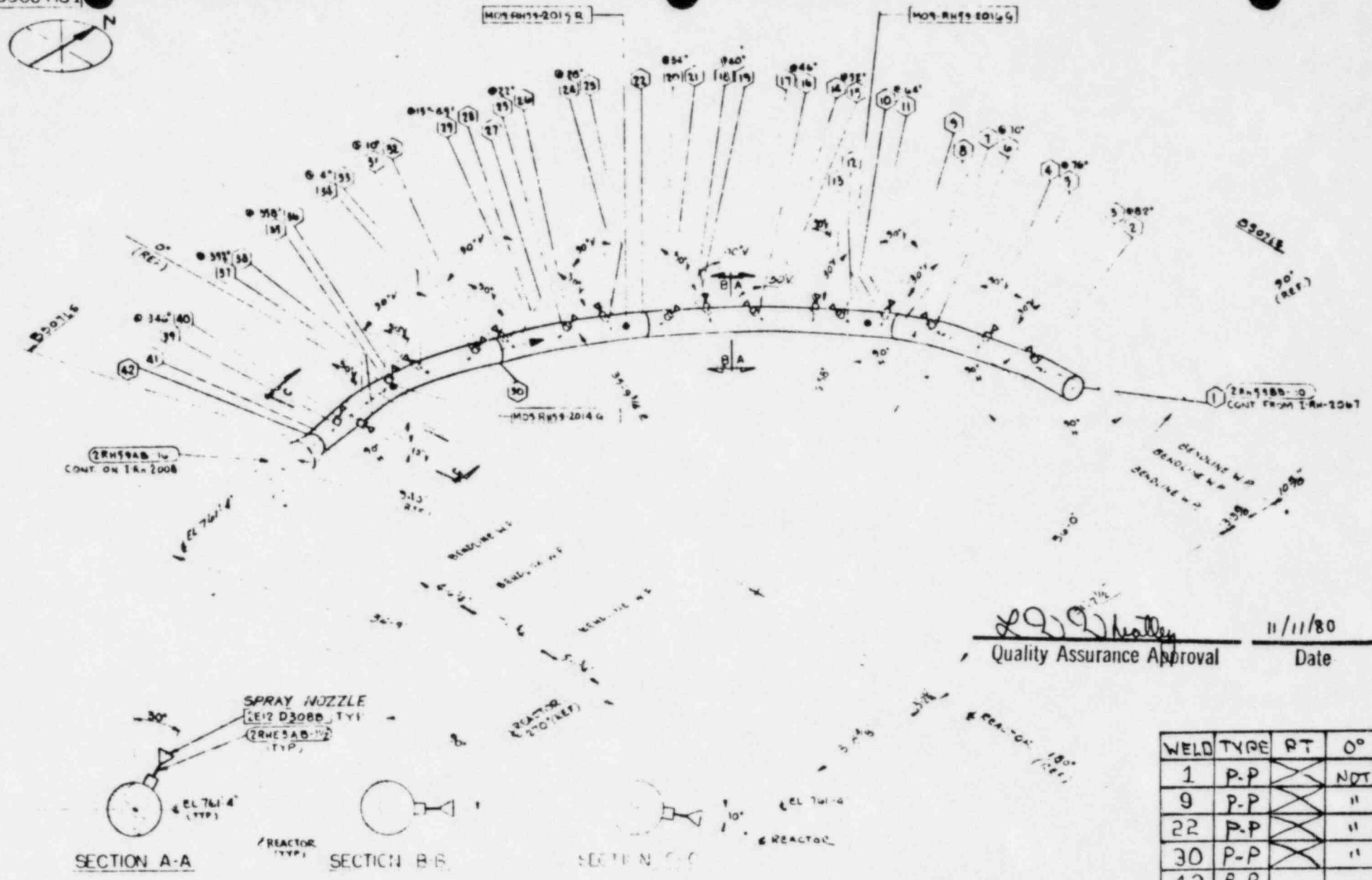
REVISIONS				
NO.	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			5-18-79

MORRISON CONSTRUCTION CO.
RAMSEY, MINNESOTA

ISI BASED ON ASME SECT XI
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

1-PH 2065

I-RH-2068



Quality Assurance Approval — Date 11/11/80

WELD	TYPE	RT	0°	45°
1	P-P	X	NDT	RED
9	P-P	X	"	"
22	P-P	X	"	"
30	P-P	X	"	"
42	R-P			

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: C-F
Procedures: UT #1 Rev. 6, PT #2 Rev. 7
Cal. Std.: all welds 01-10-02

REVISIONS

REV	DESCRIPTION	BY	DATE
6	PRELIMINARY		5-8-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
IN-SERVICE INSPECTION
RESIDUAL HEAT REMOVAL

I-RH-2068

I-RH-2077

Weld	Type	PT	UT 0°	UT 45°
1A	N-P			
1	P-P			
11	P-E			
13	E-P			
15	P-E			
16	E-P			
22	P-V			

Weld	Type	PT	UT 0°	UT 45°
23	V-E			
25	E-T			
26	T-P			
27	P-V			

Weld	Type	PT	UT 0°	UT 45°
28	T-P			
28A	P-P			

Weld	Type	PT	0°	45°
31	P-F			
33	F-P			
34	P-E			
36	E-P			
37	P-T			
38	T-P			
39	P-E			
40	E-V			
41	T-P			

Weld	TYPE	PT	0°	45°
42	P-E			

HEAT EXCHANGER 2E12-B001B

CONT. ON I-RH-2006

CONT. ON I-RH-2086

CONT. ON I-RH-2049

CONT. FROM I-RH-2007

2RH08AB-18"

2RH24AB-14"

2RH23AB-3/4"

2RH24AB-4"

2RH18AB-18"

2RH29AB-3" CONT ON VIEW A THIS DWG.

VIEW A

Quality Assurance Approval

6/18/79 Date

PRINTED JAN 18 1979

G.E. P.S.I. Rev. 0 Changes
ASME Cat: C-F, Procedures:
UT #1 Rev.4, PT #2 Rev. 5
UT Cal. Std.: All welds 01-18-01

REVISIONS				
REV	Description	By	Ck'd	Date
0	PRELIMINARY			7-28-78

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

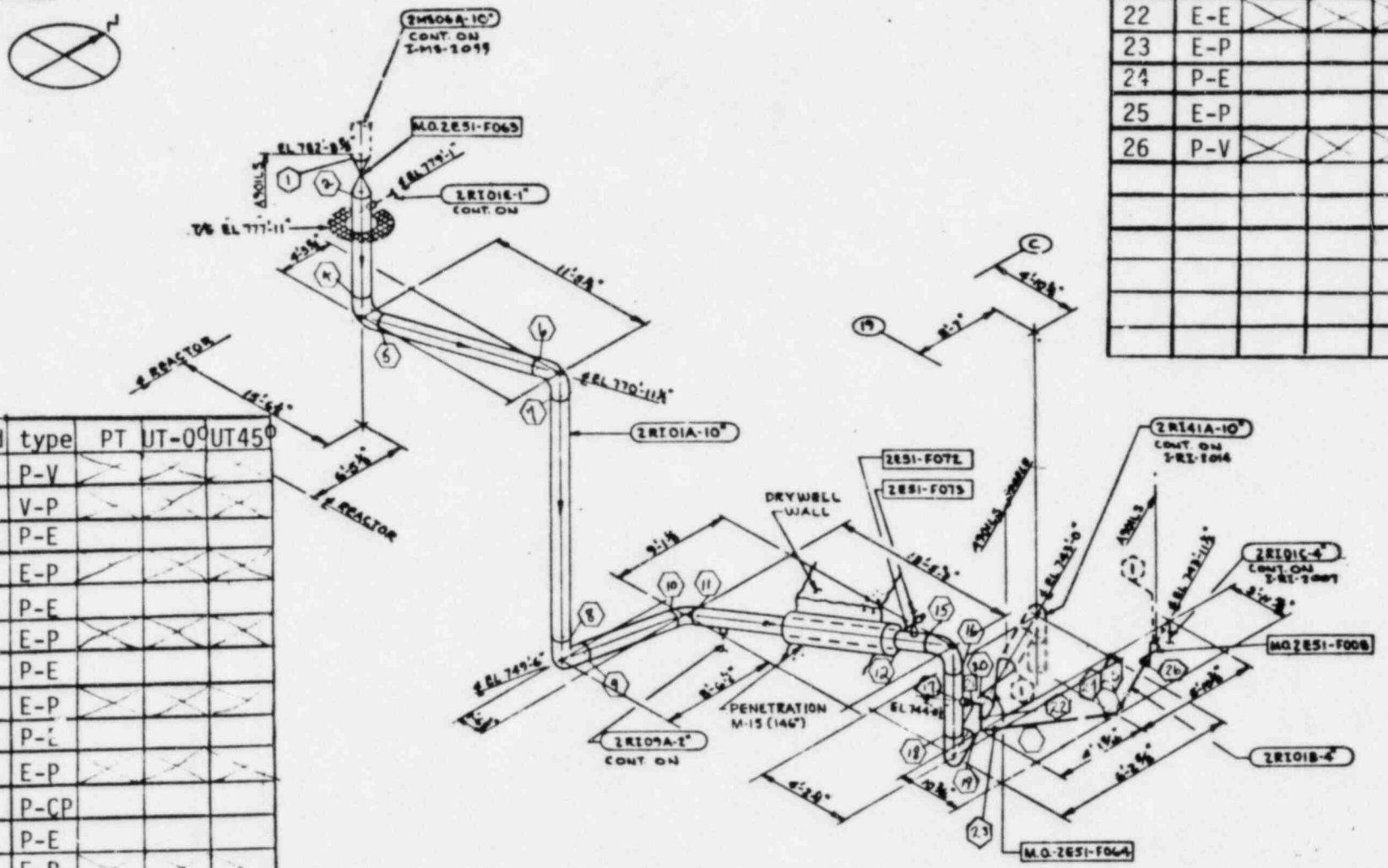
Drawn [illegible] 11-22-78
Checked
Design
Approved

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION, UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL

MCCO Dwg. No. I-RH-2077

SHEET 1

I-RI-2001



weld	type	PT	UT-0°	UT45°
1	P-V			
2	V-P			
4	P-E			
5	E-P			
6	P-E			
7	E-P			
8	P-E			
9	E-P			
10	P-E			
11	E-P			
12	P-CP			
15	P-E			
16	E-P			
17	P-W			
18	P-E			
19	E-P			
20	P-V			

21	W-E			
22	E-E	X	X	X
23	E-P			
24	P-E			
25	E-P			
26	P-V	X	X	X

PRINTED
MAY 04 1979
MORRISON
MANUFACTURING
ENGR. DEPT.

L D Wheatley 8/21/79
Quality Assurance Approval Date

G.E. P.S.I. Rev. 0
ASME Cat.: B-J
Procedures: MPUPS751/4; PPS751/5
UT Cat. Std.: 01-10-03 welds 1,2,4,5,6,7,8,9,10,11,12,15,16, 17,18,19,20; 01-04-04 all other welds

REVISIONS				
NO.	Description	By	Ck	Date
0	PRELIMINARY			5-4-79

MORRISON CONSTRUCTION CO.
RAMSHORN, INDIANA

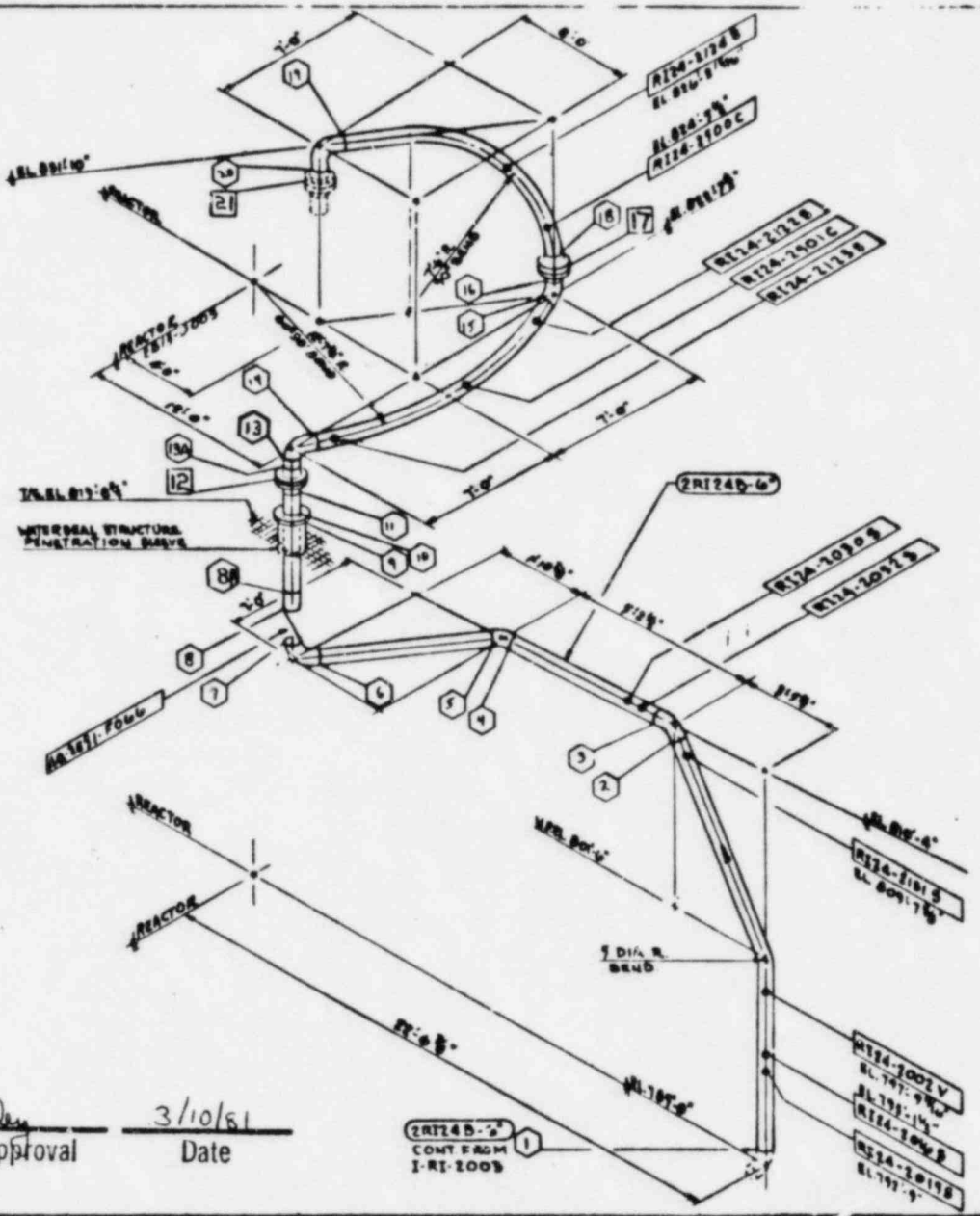
Job No. 3466 Dg nos 990 207
LSI BASED ON ASME SECT XI
MCCO * LSI-QL-135/H
Drawn CDM Date 5-15-79
Checked Date
Appr'd Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

Ref Dwg Nos M-143-1/4, M-566-1/4, M-566-1/4
MCCO WO #
I-RI-2001

SHEET 1

I-RI-2002



PRINTED
MAY 04 1979
MORRISON KNUDSEN BOISE DEPT.

Quality Assurance Approval — Date: 3/10/81

G.E. PSI Rev. 2 Changes: Added Flange Bolting 12,17,21
ASME Cat.: B-J
Procedure: MPUP-S751/6; PP-S751/7
UT Cat. Std: 01-06-03 all welds.

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIM.		8-9-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

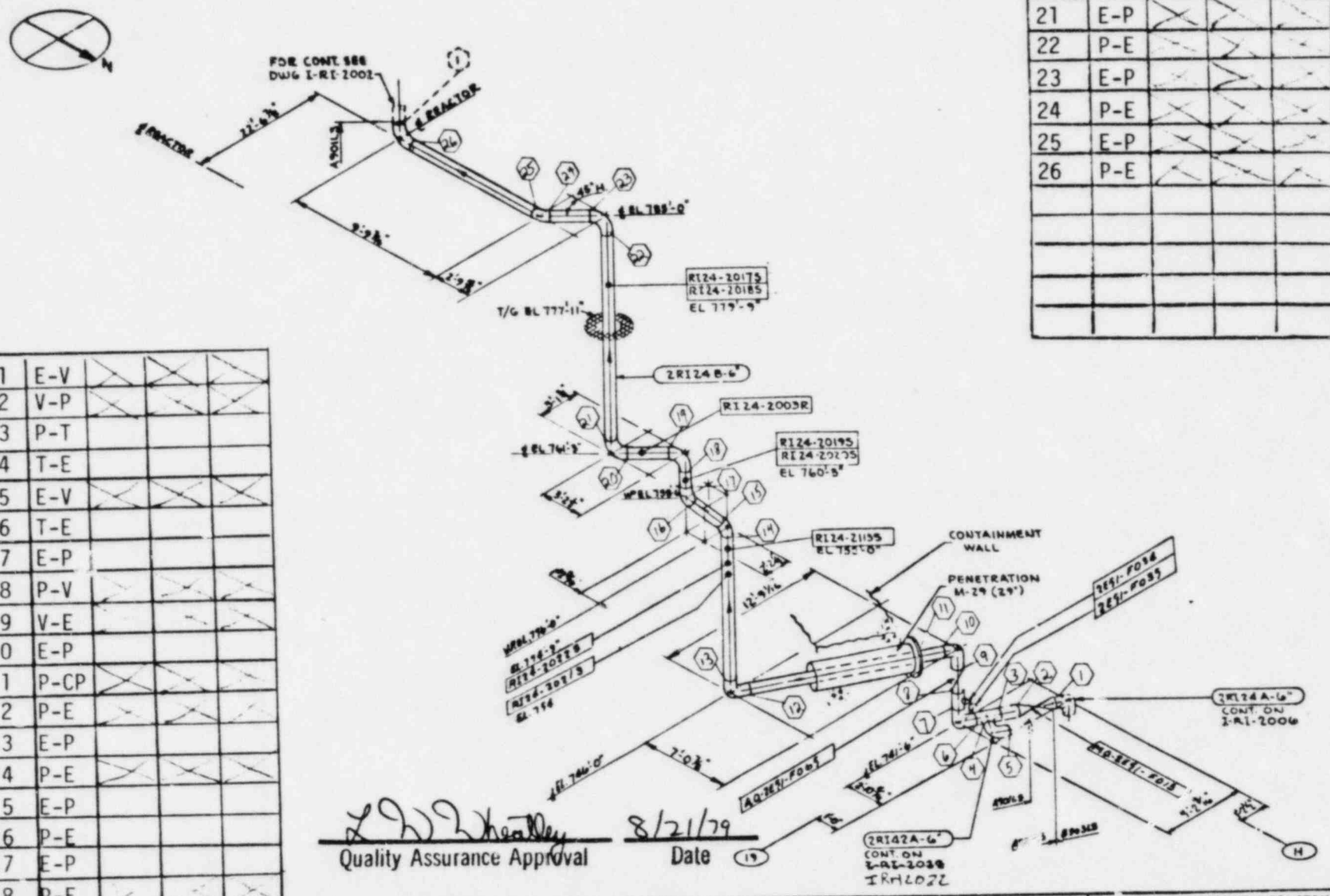
ISI BASED ON ASME SECT XI
MCCQ ISI-QL-134/M

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

I-RI-2002

SHEET 1

I-RI-2003



1	E-V			
2	V-P			
3	P-T			
4	T-E			
5	E-V			
6	T-E			
7	E-P			
8	P-V			
9	V-E			
10	E-P			
11	P-CP			
12	P-E			
13	E-P			
14	P-E			
15	E-P			
16	P-E			
17	E-P			
18	P-E			

19	E-P			
20	P-E			
21	E-P			
22	P-E			
23	E-P			
24	P-E			
25	E-P			
26	P-E			

PRINTED MAY 04 1979 MORRISON MANSFIELD PLANT ENG. DEPT.

G.E. P.S.I. Rev. 0
ASME Cat.: B-J
Procedures: MPUPS751/4; PPS751/5
UT Cat. Std.: 01-06-03 all welds

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	PRELIMINARY		7-9-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 3844 Tr 980 980 307 — Drawn GJM — Date 7-22-79
ISI BASED ON ASME SECT XI — Checked — Date
MCCO # ISI-DL-194/H — Approved — Date

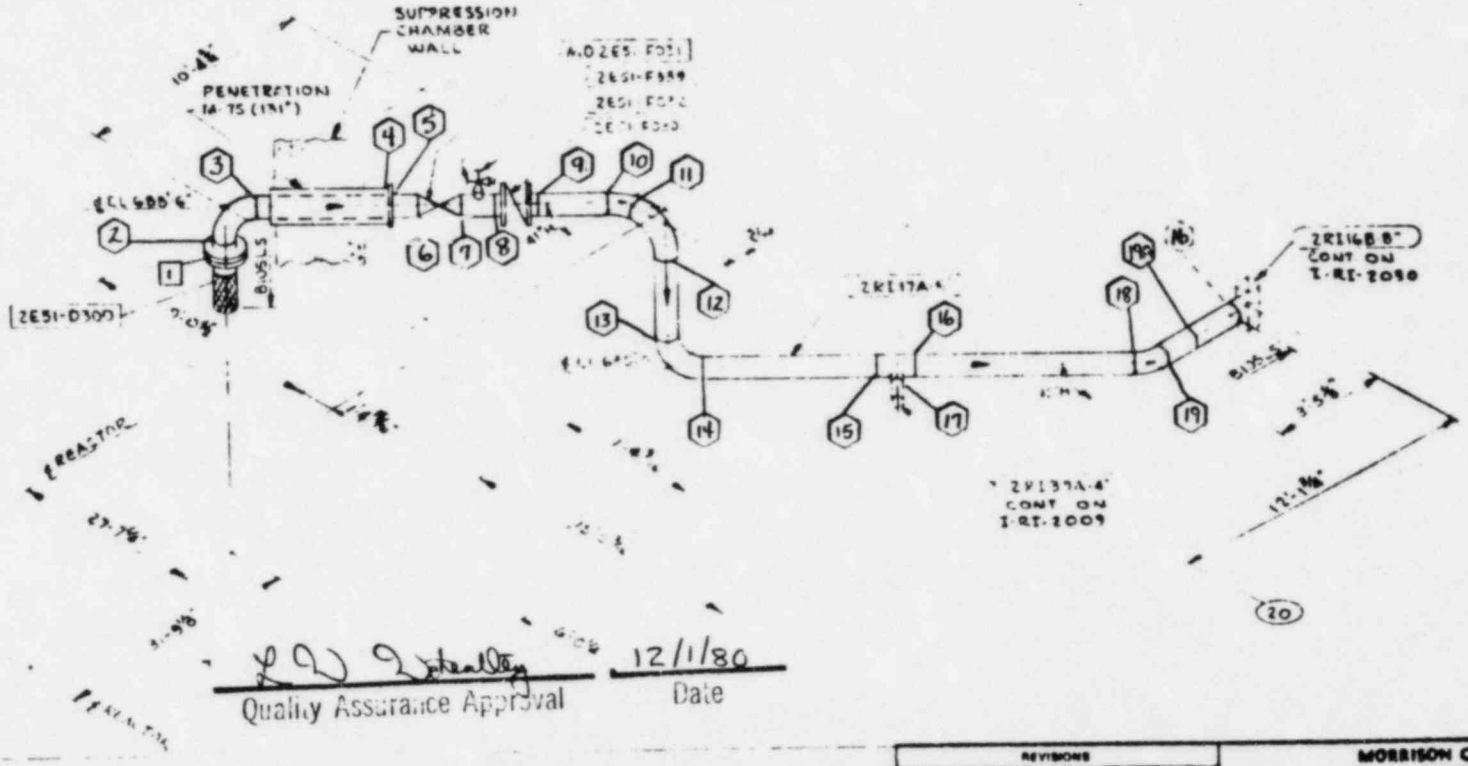
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

REF Dwg No. M-149-2/H, M-549-2/H, M-549-2/I — MCCO ISO # I-RI-2003

SHEET 1

I-RI-2004

WELD	TYPE	PT	0°	45°	WELD	TYPE	PT	0°	
2	F-E				11	E-E			
3	E-P				12	E-P			
5	P-CP				13	P-E			
6	P-V				14	E-P			
7	V-P				15	P-T			
8	P-V				16	T-P			
9	V-P				18	P-E			
10	P-E				19	E-P			
					19A	P-P	X	NOT	REQ.



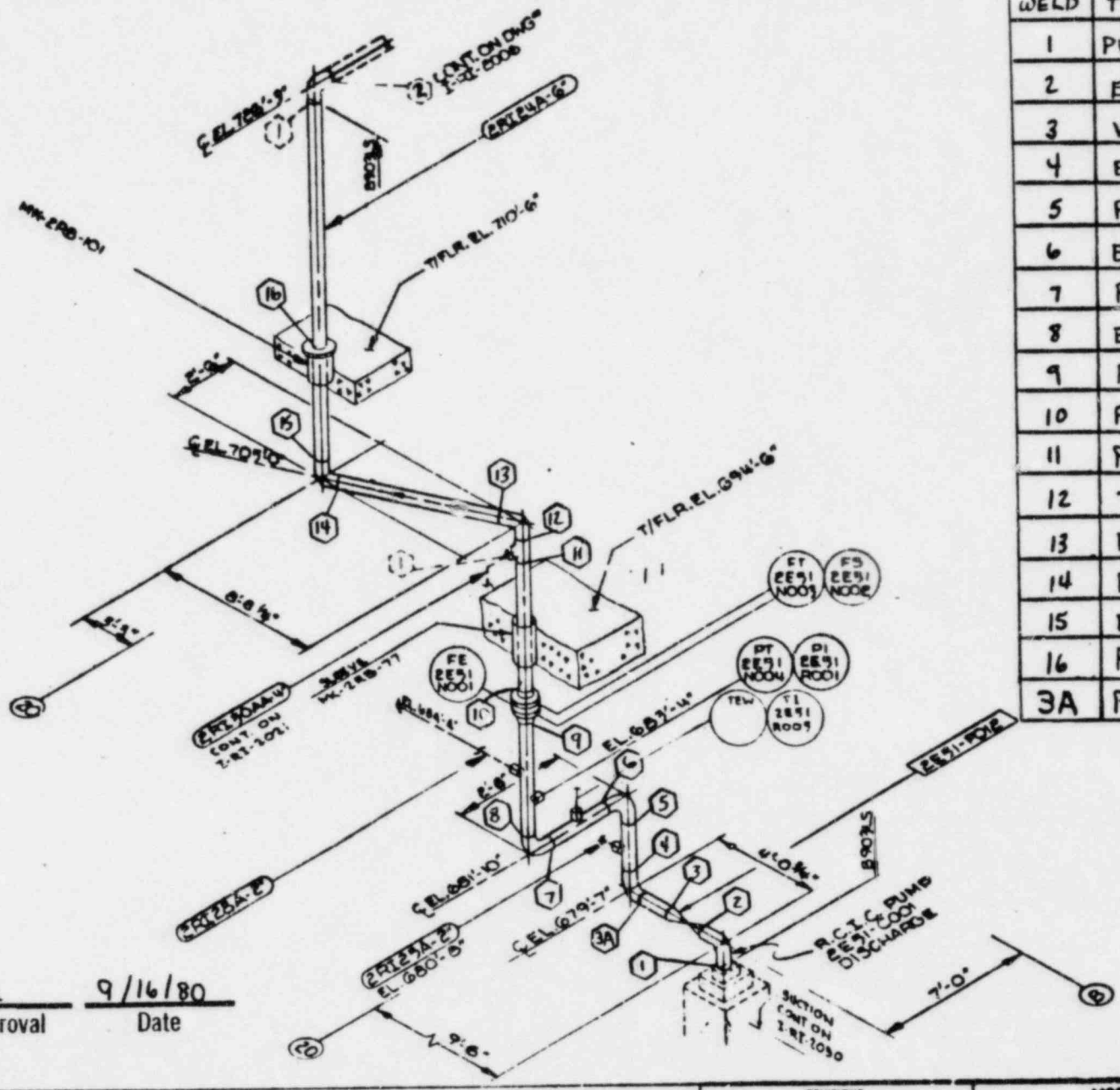
Quality Assurance Approval — Date 12/1/80

G.E. PSI Rev. 1
ASME: #5 C-E-1; All others C-F
Procedure; UT #1 Rev. 6; PT #2 Rev. 7
Cal. Block: 01-08-02 All welds.

REVISIONS				MORRISON CONSTRUCTION CO.
	PRELIMINARY			ISI BASED ON ASME SEC. XI
				COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
				INSERVICE INSPECTION
				REACTOR CORE ISOLATION COOLANT
				I-RI-2004

SHEET 1

I-RI-2005



WELD	TYPE	PT	0°	45°
1	PU-E			
2	E-V			
3	V-P			
4	E-P			
5	P-E			
6	E-P			
7	P-E			
8	E-P			
9	P-F			
10	F-P			
11	P-T			
12	T-E			
13	E-P			
14	P-E			
15	E-P			
16	P-CP		X	X
3A	P-E			

L W Wheatley
Quality Assurance Approval

9/16/80
Date

G.E. PSI Rev. 1
ASME: #16 C-E-1 All others C-F
Procedure: UT#1 REv. 6; PT#2 Rev. 7
Cal. Block: 01-06-02 All welds.

REVISIONS			
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.

COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNIT 1 & 2

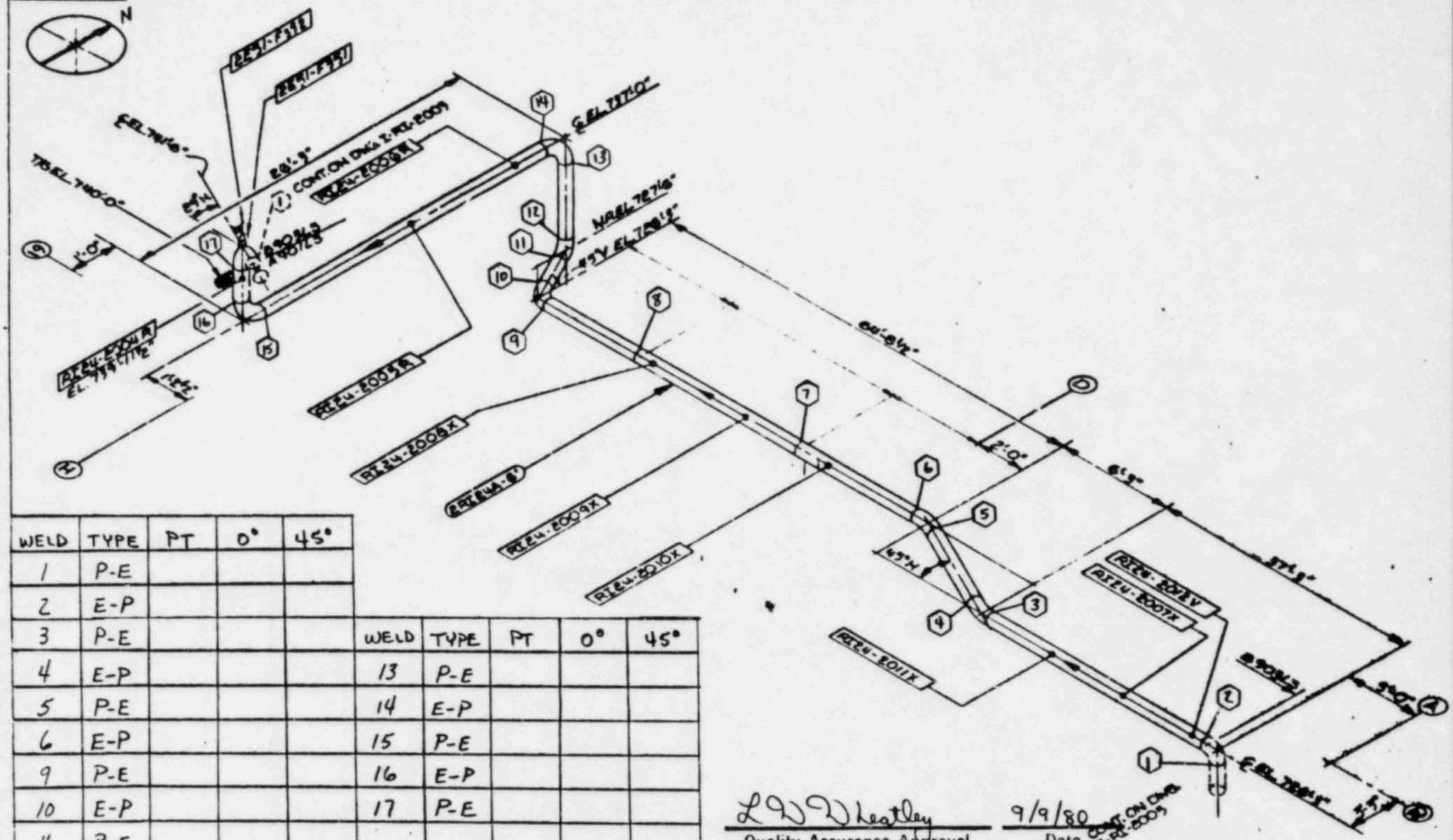
INSERVICE INSPECTION

REACTOR CORE ISOLATION COOLANT

I-RI-2005

SHEET 1

I-RI-2006



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
3	P-E			
4	E-P			
5	P-E			
6	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P			

WELD	TYPE	PT	0°	45°
13	P-E			
14	E-P			
15	P-E			
16	E-P			
17	P-E			

L W Heatley
Quality Assurance Approval

9/9/80
Date

G.E. PSI Rev. 0
ASME: C-F
Procedure: UT#1 Rev. 6; PT#2 Rev. 7
Cal. Block: 01-06-02 All welds.

REVISIONS			
No.	Description	By	Date
0	PRELIMINARY		8 9 80

MORRISON CONSTRUCTION CO.

PSI BASED ON ASME SECT. XI
MCCOY SIL-OL-134/M

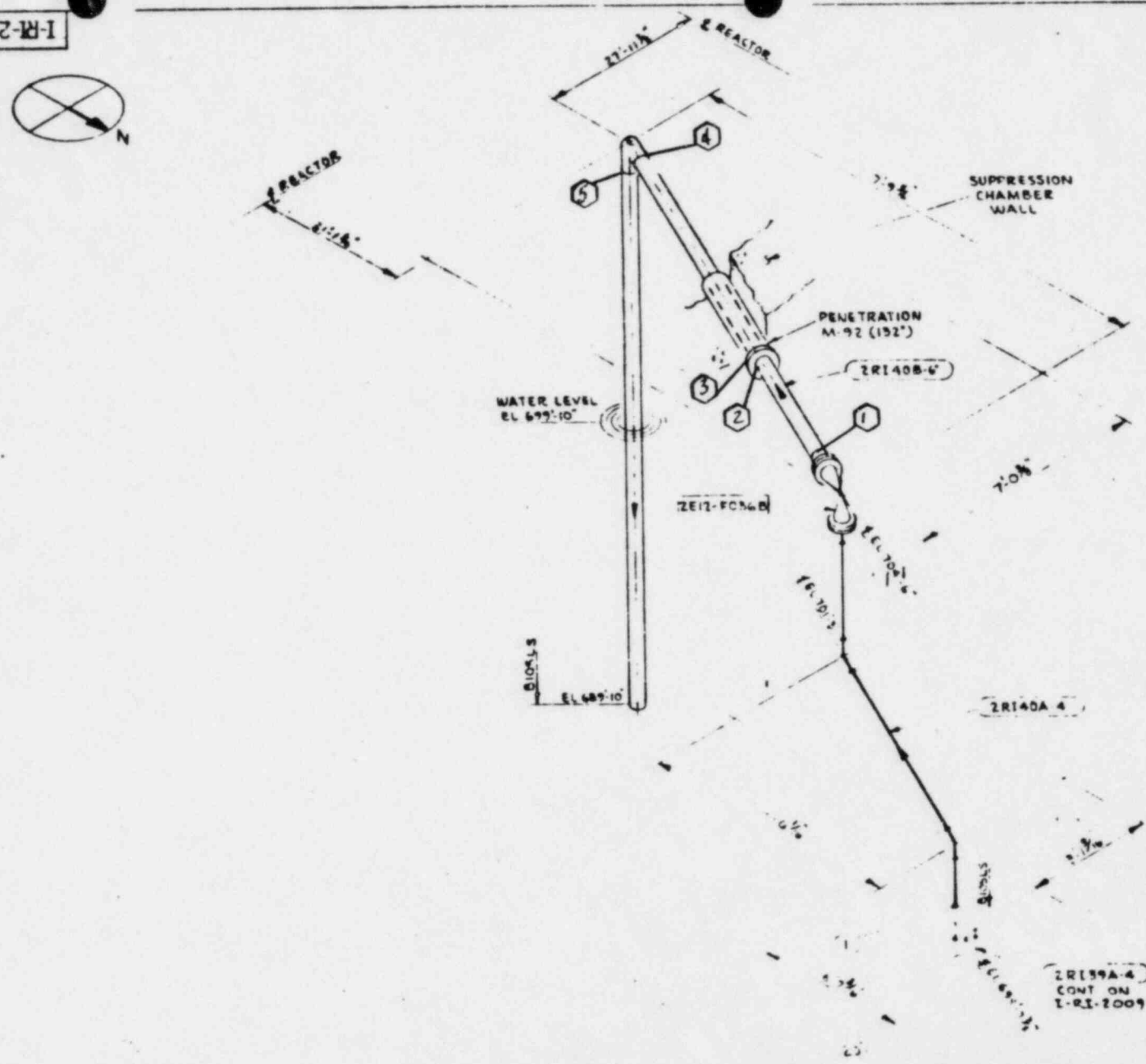
COMMONWEALTH EDISON CO. LASALLE COUNTY

INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

I-RI-2006

SHEET 1

I-RI-2013



WELD	TYPE	P.	0°	45°
1	F-P			
2	P-CP		X	X
4	P-E			
5	E-P			

L D Wheatley — Quality Assurance Approval

9/9/80 — Date

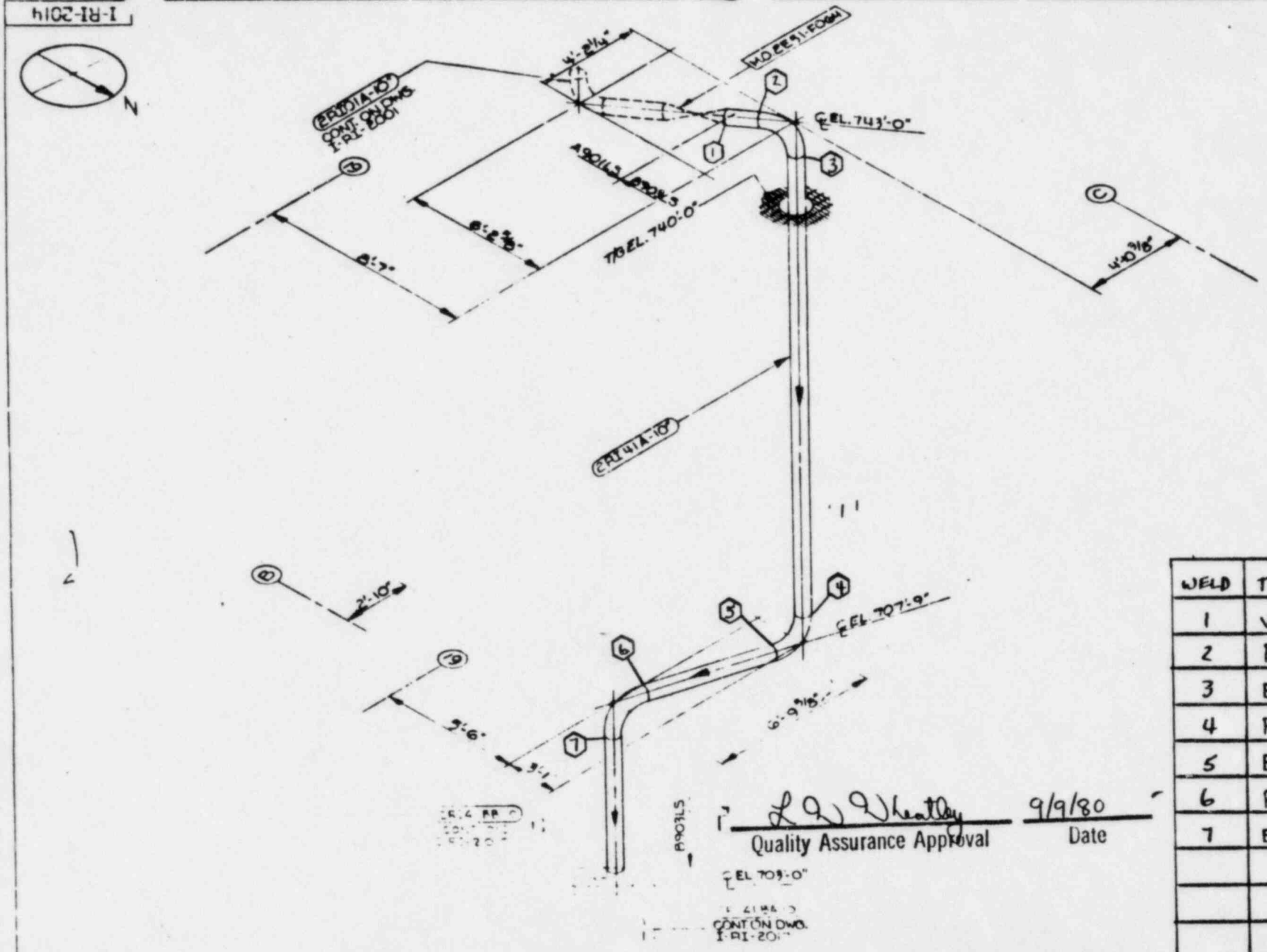
G.E. PSI Rev. 0
ASME: #2 C-E-1
Procedure: UT#1 Rev. 6; PT#2 Rev. 7
Cal. Block: 01-06-01 All welds

REVISIONS				
NO.	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			1-6-82

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

JOB NO. 3480 — DRAWN CDM — DATE 2-8-82
TSI BASED ON ASME SECT XI — CHECKED — DATE
MCGS # ISI-OL-134/H,&136/P — APPVD — DATE
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT
AEP DWG NO. N-141-27H, N-144-1/2H, N-144-1/2, N-144-2/2 — WCGS NO. —
I-RI-2013
SHEET 1 — REV 0

I-RI-2014



WELD	TYPE	PT	0°	45°
1	V-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			
6	P-E			
7	E-P			

L Q Weatley — Quality Assurance Approval

9/9/80 — Date

G.E. PSI REv.0
ASME: C-F
Procedure: UT#1 Rev. 6; PT#2 REv. 7
Cal. Block: 01-10-01 All welds.

REVISIONS	
0 PRELIMINARY	7-8-80

MORRISON CONSTRUCTION CO.
HAMMOND, IND. AREA

ISI BASED ON ASME SECT XI & MCC151-OL-133/H,I 126/F

Drawn A.WELDON Date 7-31-

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS

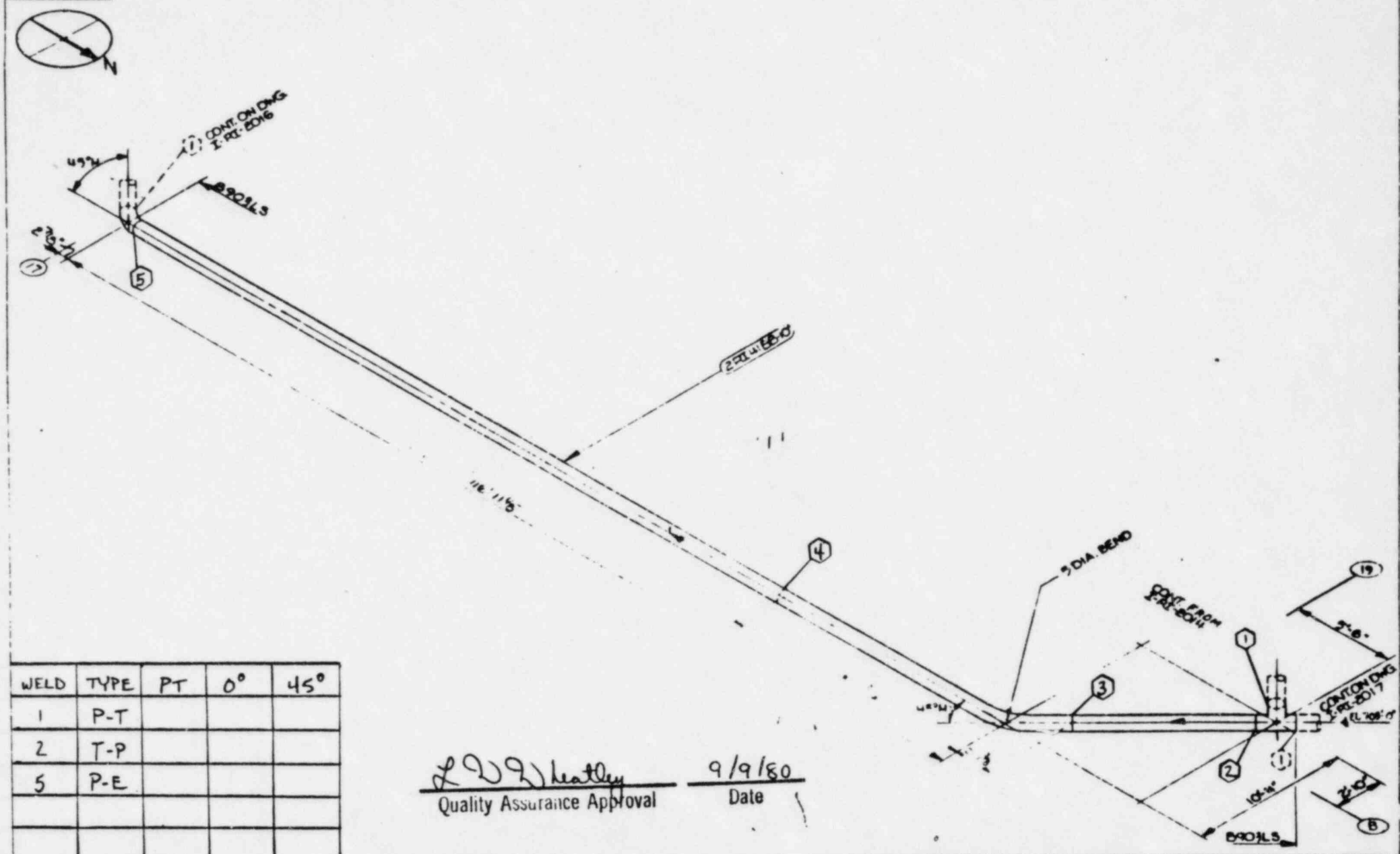
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

BF-944-WE

I-RI-2014

SHEET 1

I-RI-2015



WELD	TYPE	PT	0°	45°
1	P-T			
2	T-P			
5	P-E			

L D Heatley
Quality Assurance Approval

9/9/80
Date

G.E. PSI Rev. 0
ASME: C-F
Procedure: UT#1 REv. 6; PT#2 Rev. 7
Cal. Block: 01-10-01 All welds.

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
5	PRELIMINARY	9-9-80	

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Drawn A.SHELDON Date 8-1-79
Checked Date
Approved Date

1ST BASED ON ASME SECT. XI & ACCOLADE-QC-1954, 1967

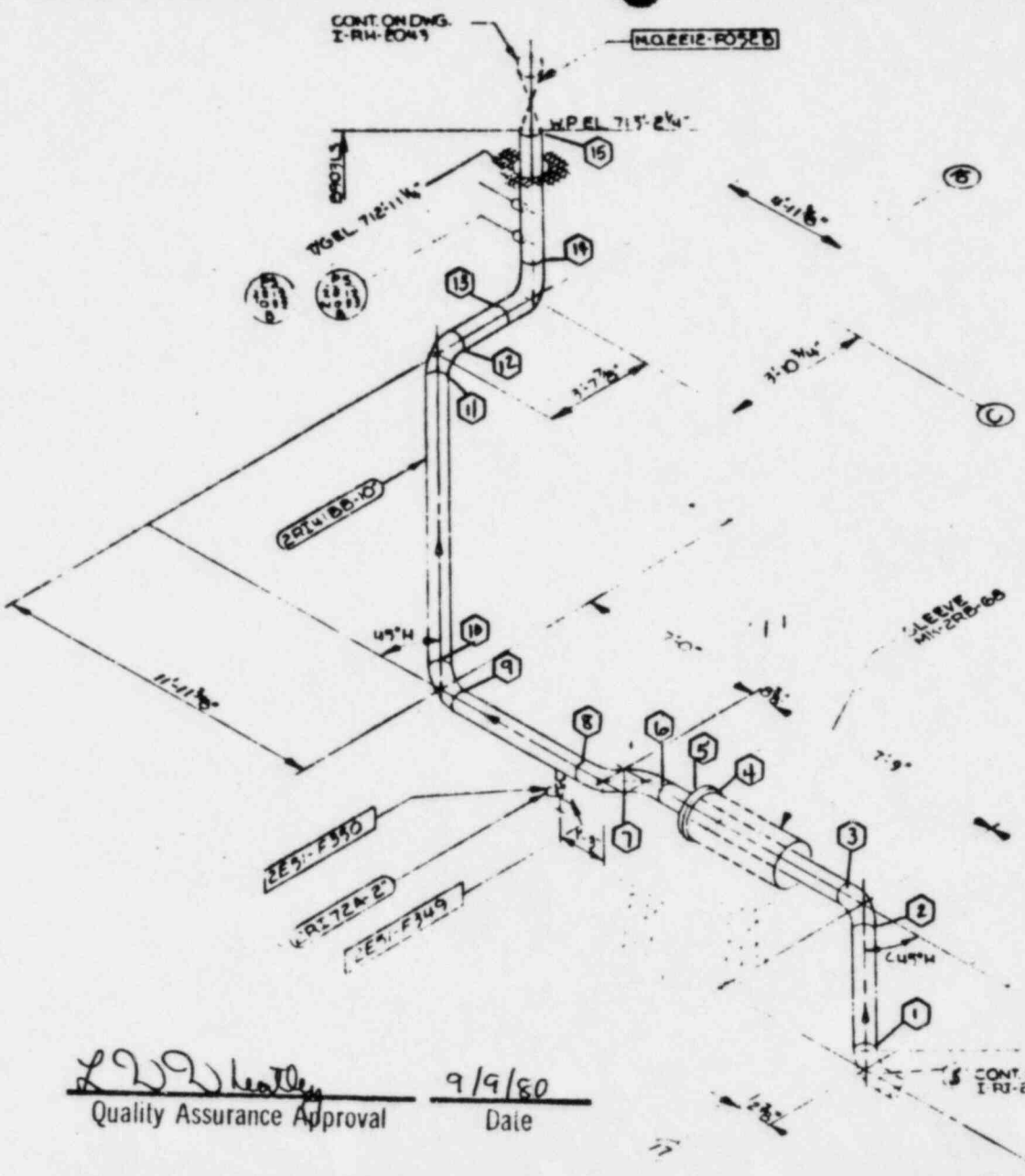
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

REF. Dwg. No. NEDO-24708-1R, BF-9444-1R, M-142 & 7

WOOD HEAD I-RI-2015

SHEET 1

1-RI-2016



WELD	TYPE	PT	0°	45°
1	E-P			
2	P-E			
3	E-P			
5	P-CP		X	X
6	P-E			
7	E-E			
8	E-P			
9	P-E			
10	E-P			
11	P-E			
12	E-P			
13	P-E			
14	E-P			
15	P-V			

L2 Weldy — 9/9/80

Quality Assurance Approval — Date

G.E. PSI Rev. 0
ASME: #5 C-E-1; All others C-F
Procedure: UT #1 Rev. 6; PT#2 Rev. 7
Cal. Block: 01-10-01 All welds.

REVISIONS		
0	PRELIMINARY	3-4-79

MORRISON CONSTRUCTION CO.
RAYMOND, INDIANA

Drawn: A.WELDON Date: 8-2-79
Checked: Date:
Appvd: Date:

1ST BASED ON ASME SECT. XI &
MCCO ISI-CL-126/F

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 &

INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

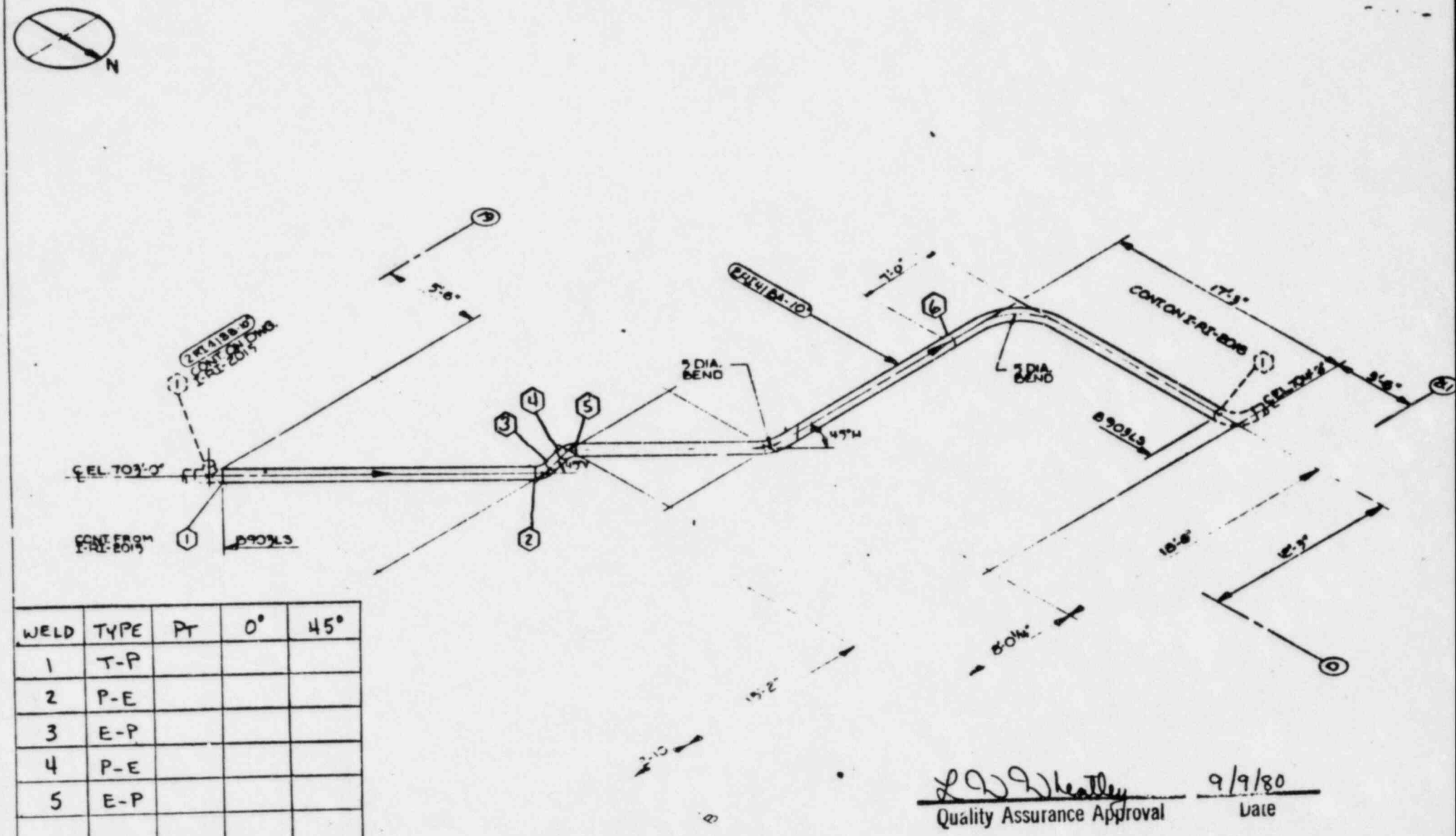
Bech Dwg. Rev. M-142-4F, M-944-1E
BE-9444-V2

MCCO WO #

1-RI-2016

SHEET 1

I-RI-2017



WELD	TYPE	PT	0°	45°
1	T-P			
2	P-E			
3	E-P			
4	P-E			
5	E-P			

L D Weatley — Quality Assurance Approval

9/9/80 — Date

G.E. PSI Rev. 0
ASME: C-F
Procedure: UT#1 Rev. 6; PT#2 Rev. 7
Cal. Block: 01-10-01 All welds.

REVISIONS
0 PRELIMINARY

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECTION XI
MCCO 131-OL-120/F

Drawn A.WELDON Date 8-5-80
Checked Date
Approved Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2

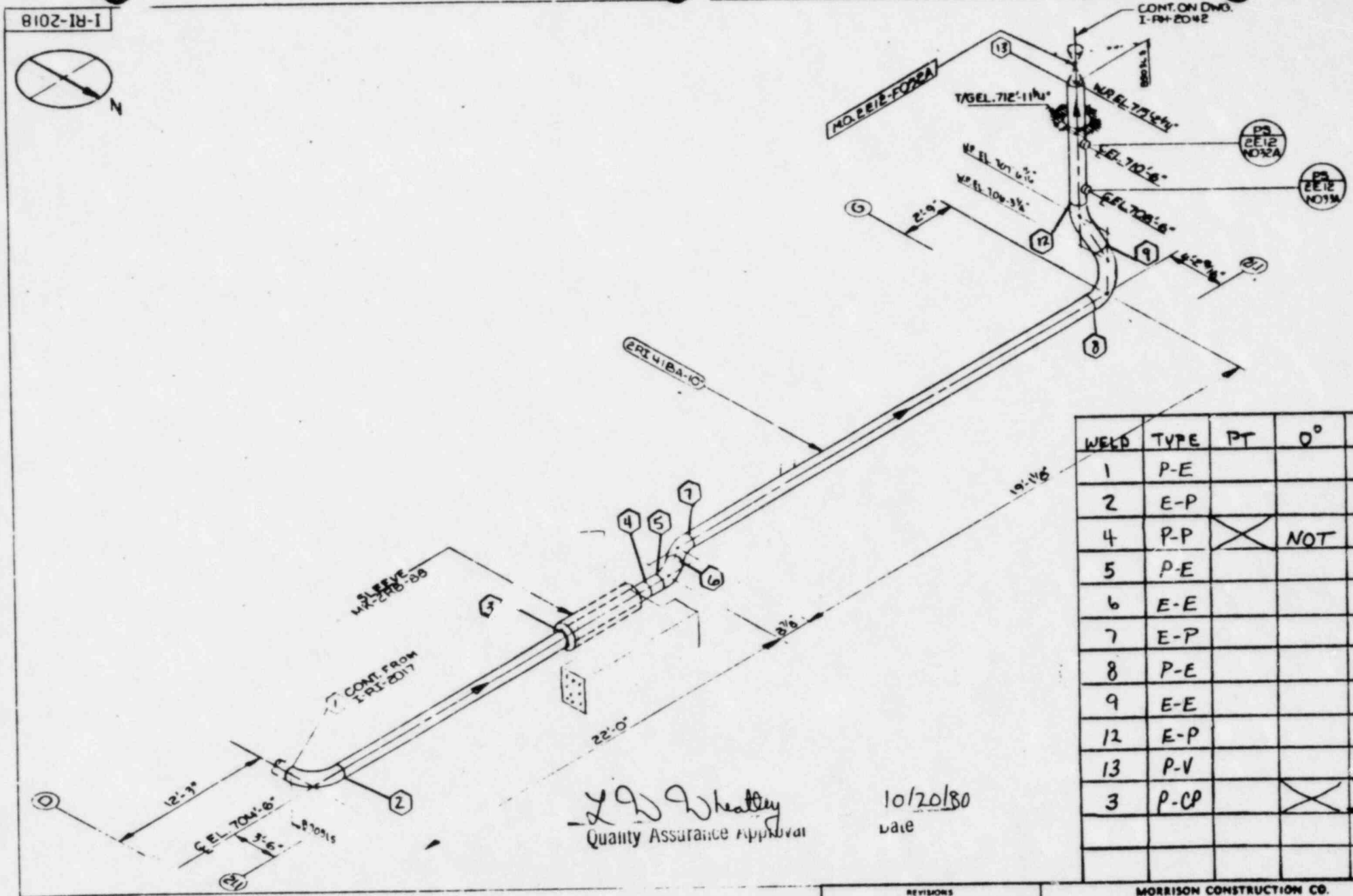
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

REF Dwg No. M-1WE-1WE,M-914A-1WE
BE-914A-1WE

MCCO 480 8

I-RI-2017

I-RI-2018



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
4	P-P	X	NOT	REQ.
5	P-E			
6	E-E			
7	E-P			
8	P-E			
9	E-E			
12	E-P			
13	P-V			
3	P-CP		X	X

G.E. PSI Rev. 1
ASME: #3 C-E-1; All others C-F
Procedure: UT#1 Rev. 6; PT#2 REv. 7
Cal. Block: 01-10-01 All welds.

REVISIONS	
0	PRELIMINARY 1-4-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECTION XI
MCCO ISI-OL-126/F

Drawn A. WELDON Date 2-6-80
Checked Date
Approved Date

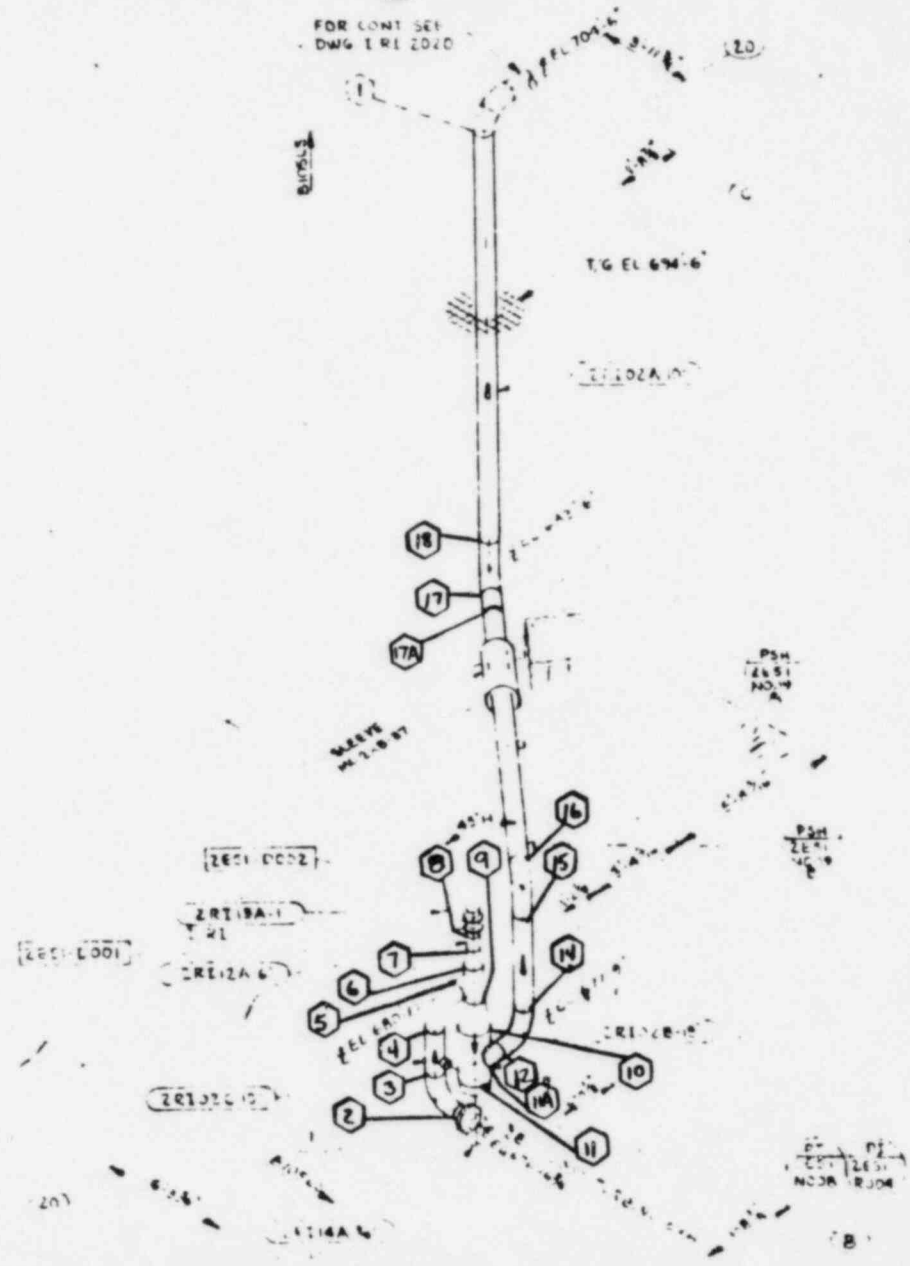
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

Ref Dwg No. M-142-WF-M-844-3/L
BF-944-3/L

MCCO NO. I-RI-2018

SHEET 1

I-RI-2019



WELD	TYPE	PT	0°	45°
2	F-E			
3	E-P			
4	P-E			
5	E-T			
6	T-R			
7	R-P			
8	P-F			
9	T-R			
10	R-P			
11	P-C			
11A	P-W			
12	W-E			
14	E-P			
15	P-E			
16	E-P			
17	P-E			
18	E-P			
17A	P-P	X	X	X

Quality Assurance Approval

10/17/80
Date

G.E. PSI Rev. 8 Changes: Added weld 17A and deleted weld 13
ASME: C-F
Procedure UT#1 Rev. 6; PT#2 Rev. 7
Cal. Block: Weld #2 01-08-02; welds 7,8 01-06-01; welds 10,11 01-14-01
All other welds 01-10-02

REVISIONS			
NO.	DESCRIPTION	APPD	DATE
1	PRELIMINARY		9-8-77

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

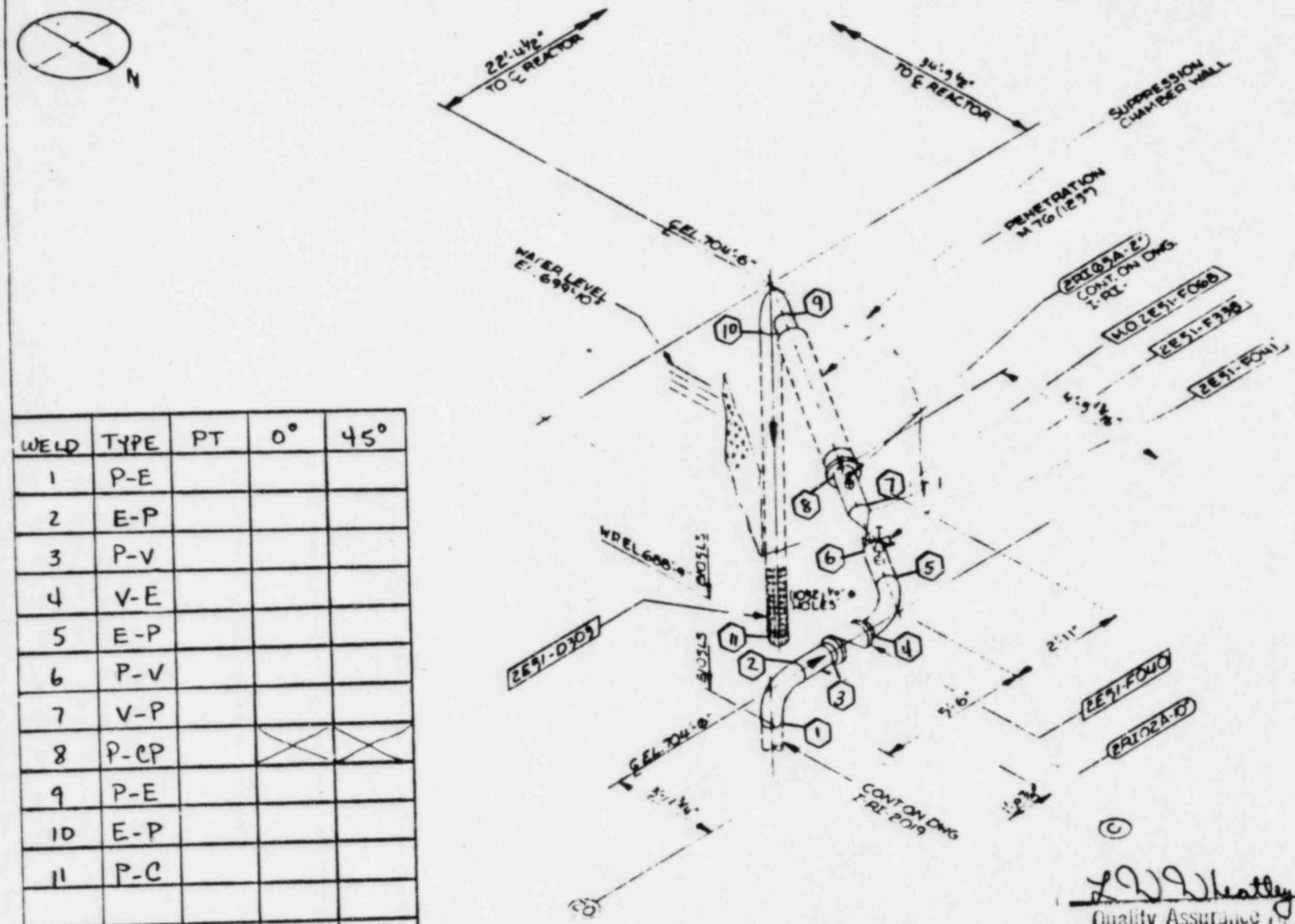
Drawn C.R.M. Date 2-16-77
Checked Date
APPVD Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

I-RI-2019

SHEET 1

1-RI-2020



WELD	TYPE	PT	0°	45°
1	P-E			
2	E-P			
3	P-V			
4	V-E			
5	E-P			
6	P-V			
7	V-P			
8	P-CP		X	X
9	P-E			
10	E-P			
11	P-C			

©

L D Wheatley
Quality Assurance Approval

9/9/80
Date

G.E. PSI Rev. 0
ASME: #8 C-E-1; All others C-F
Procedure. UT #1 Rev. 6; PT #2 Rev. 7
Cal. Block: 01-10-02 All welds.

REVISIONS			
NO.			
0	PRELIMINARY		

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Drawn A.WELDON Date 8-6-80
Checked
APP'D

PSI BASED ON ASME SECT XI ℄
MCCO 131-QL-132/H

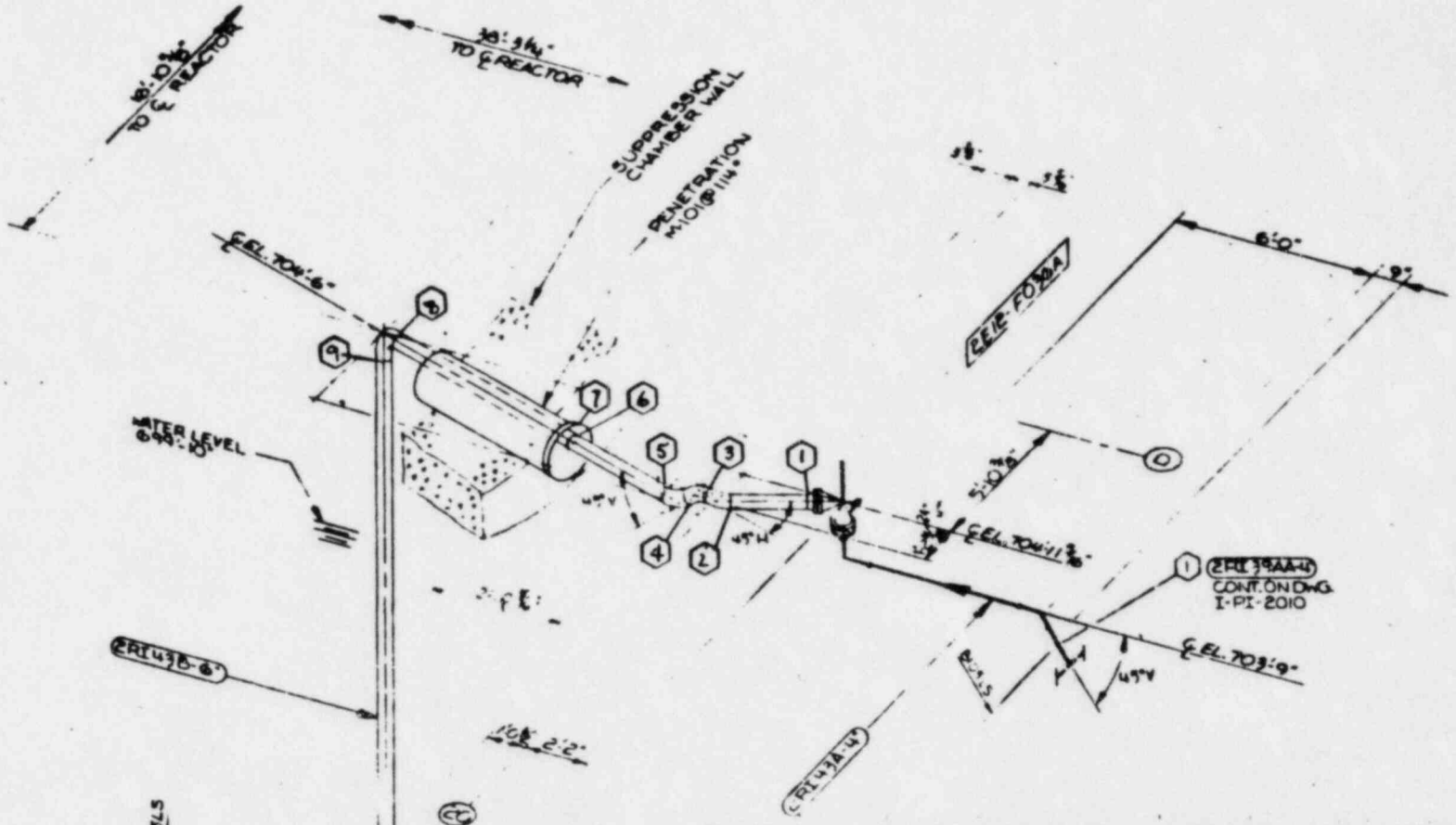
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

Ref Dwg No. M-147-1/4, M-148-1/4, M-149-1/4
BE-9WM-41

MCCO NO. 1-RI-2020

SHEET 1

I-RI-2022



WELD	TYPE	PT	0°	45°	WELD	TYPE	PT	0°	45°
1	F-P				5	E-P			
2	P-E				6	P-CP			
3	E-E				8	P-E			
4	E-E				9	E-P			

Quality Assurance Approval — Date: 9/9/80

G.E. PSI Rev. 0
ASME: #6 C-E-1; All others C-F
Procedure: UT #1 Rev. 6; PT #2 Rev. 7
Cal. Block: 01-06-01 All welds.

REVISIONS
0 PRELIMINARY

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI ℄
MCCO ISI-OL-134/H, 1126/F

Drawn AWELDON Date 8-6-80
Check'd Date
APP'VD Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 &
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

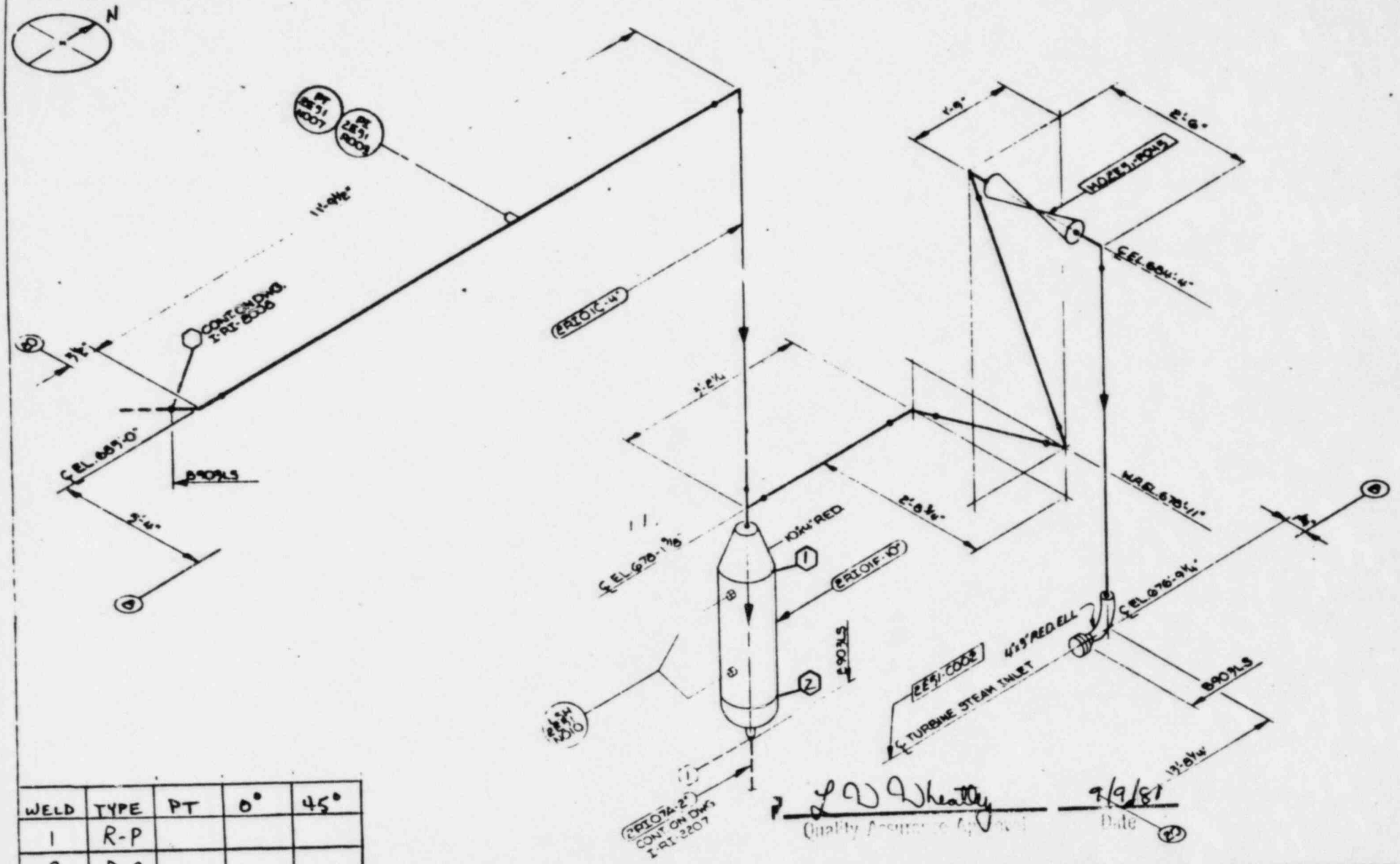
REF Dwg No. M-141-2A, M-141-1C, BE-944-V2, M-142-6/F

MCCO ISO #

I-RI-2022

SHEET 1

1-RI-2029



WELD	TYPE	PT	0°	45°
1	R-P			
2	P-C			

G.E. PSI Rev. 0
ASME: C-F
Procedure. UT #1 Rev. 6; PT #2 Rev. 7
Cal. Block: 01-10-01 All welds.

L D Wheatley 9/9/81
Quality Assurance Engineer Date

REVISIONS			
0	PRELIMINARY		9-9-81

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Drawn A WELDON Date 8-9-79
Checked Date
APPVD Date

ISI BASED ON ASME SECT. XI E
MCCO ISI-OL-131/4

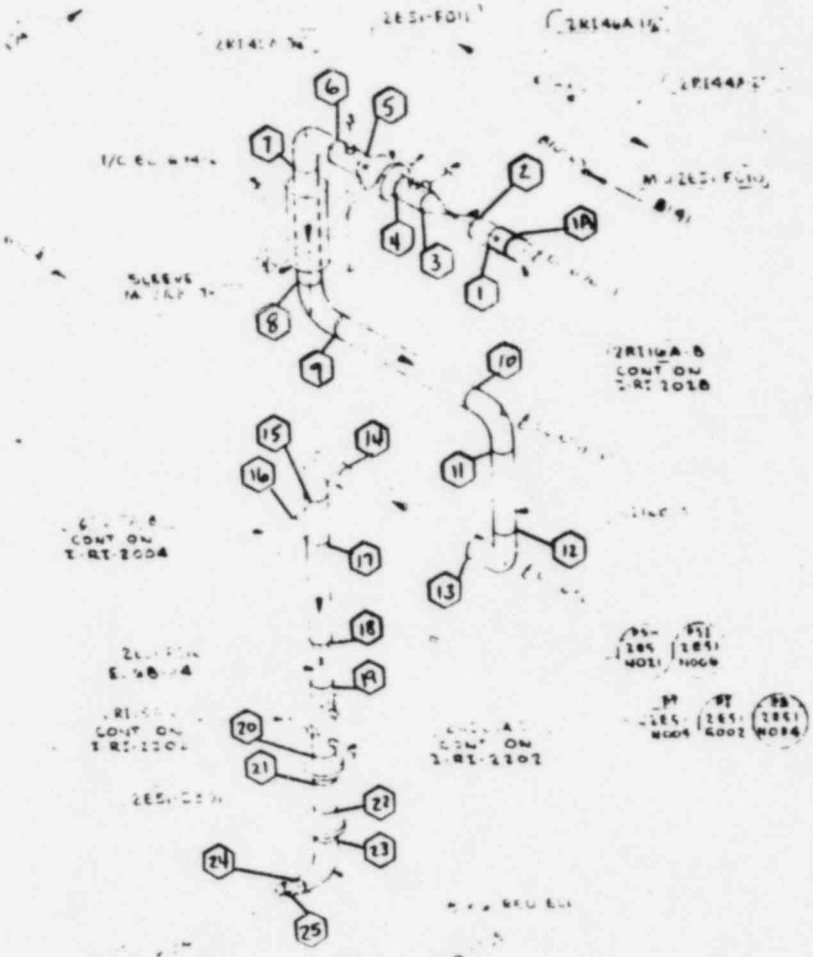
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

REF Dwg No. BECHTEL M-944-2/1
GE 944-2/1

I-RI-2029

SHEET 1

I-RI-203



WELD	TYPE	0°	45°
1A	P-P		
1	P-P		
1	P-P		
2	P-V		
3	V-P		
4	P-V		
5	V-P		
6	P-E		
7	E-P		
8	P-E		
9	E-P		
10	P-E		
11	E-P		
12	P-E		
13	E-P		
14	P-E		
15	E-T		
16	T-P		
17	T-P		
18	P-V		
19	V-P		
20	P-F		
21	F-P		
22	P-F		
23	F-E		
24	E-E		
25	E-PU		

L D Wheatley — 11/14/80

Quality Assurance Approval — Date

G.E. PSI Rev. 2 Changes: Changed weld 24 to E-E and weld 25 to E-PU.
ASME: C-F Added weld 1A
Procedure: UT#1 REv. 6; PT#2 Rev. 7
Cal. Block: 01-06-01 weld 24; 01-06-02 weld 25; 01-08-02 all others.
No Cal. Std. welds 1A and 1 (SS side only)

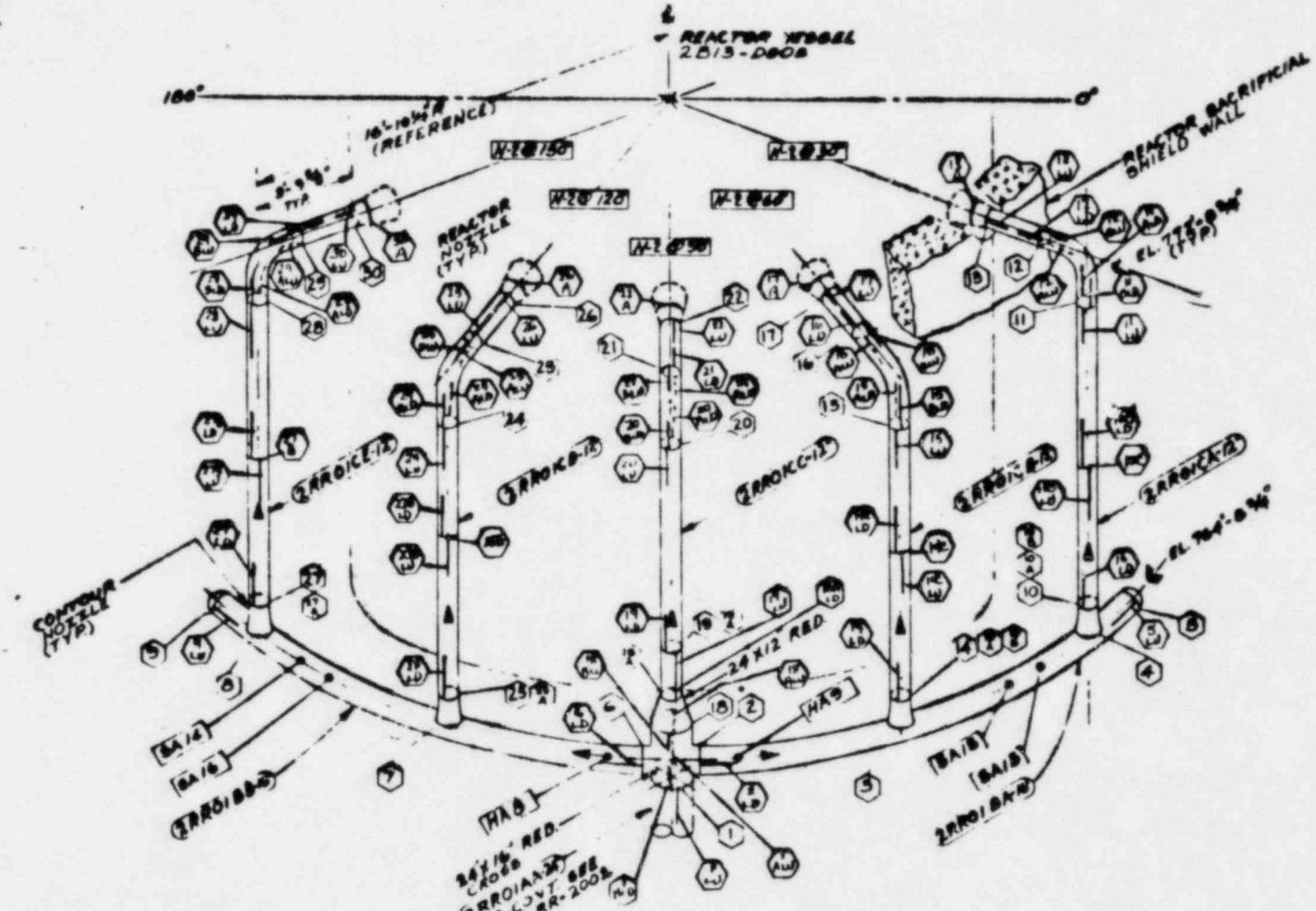
REVISIONS

MORRISON CONSTRUCTION CO.
RAMMOND INDIANA

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS
INSERVICE INSPECTION
REACTOR CORE ISOLATION COOLANT

1-RI-203

I-RR-2001



9/28/81

Quality Assurance Approval — Date

PRINTED
MAY 3 1 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

GE PSI Rev 4

Added Cross Long Seams

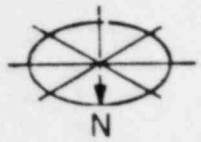
REVISIONS				
REV	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			9-1-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

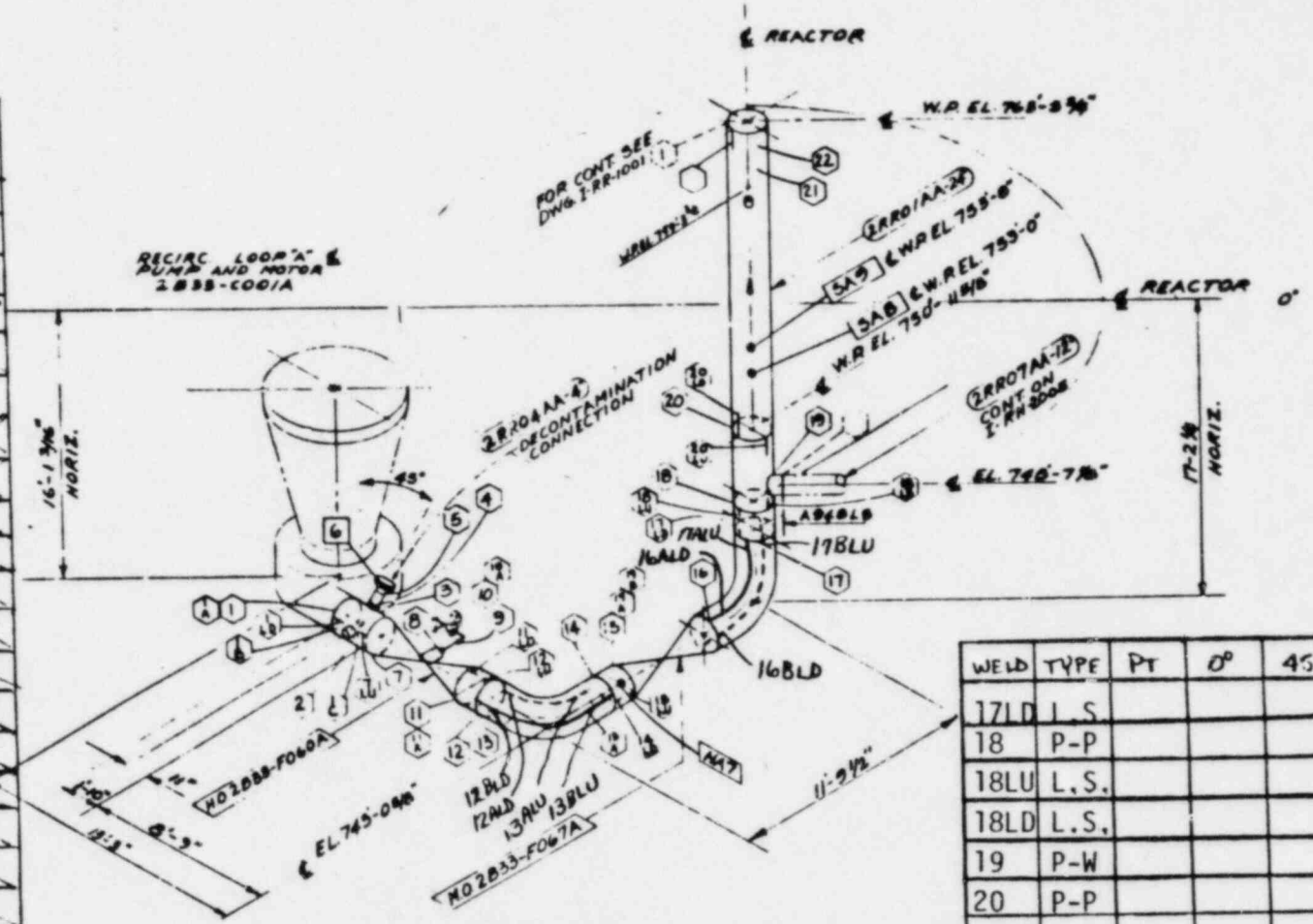
Job No. 2000 P.O. 800 900 307 — Drawn DDD — Date 8-28-79
TSI BASED ON ASME SECT XI & — Checked — Date
Safety Eng. TWG TSI-GL-116.5 — APPVD — Date
COMMONWEALTH EDISON CO. LASALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "A"
Ref Dwg No. M-139-1/C — MCCO ISO # I-RR-2001

SHEET 1

I-RR-2002



WELD	TYPE	PT	0°	45°
1	PU-P	X	X	X
1LD	L.S.			
3	P-W			
4	W-P			
5	P-F			180°
7	P-V			
7LU	L.S.			
11	V-P			
11LD	L.S.			
12	P-E			
12LU	L.S.			
12ALD	IALS			
12BLD	OALS			
14	E-P			
14ALU	IALS			
14BLU	OALS			
14LD	L.S.			
15	P-V			
15LU	L.S.			
16	V-E			
16ALD	IALS			
16BLD	OALS			
17	E-P			
17ALU	IALS			
17BLU	OALS			



WELD	TYPE	PT	0°	45°
17LD	L.S.			
18	P-P			
18LU	L.S.			
18LD	L.S.			
19	P-W			
20	P-P			
20LD	L.S.			
20LU	L.S.			

L D Wheatley
Quality Assurance Approval

9/7/79
Date

PRINTED
MAY 3 1 1979
MORRISON
HAMMOND, INDIANA
ENG. DEPT.

G.E. P.S.I. Rev. 0 Changes
ASME Cat. B-J
Procedures: UT #1 Rev.4, PT #2 Rev.5
UT Cal. Std.: 01-04-05 welds 4,5; 01-24-07 welds 12ALD,12BLD, 14ALU,14BLU,16ALD,16BLD,17ALU,17BLU; all other welds 01-24-01

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	PRELIMINARY		6-1-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI & MCCO DWG ISI-OL-116/C

Drawn GGG Date 2-28-79
Checked Date
APP'D Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2

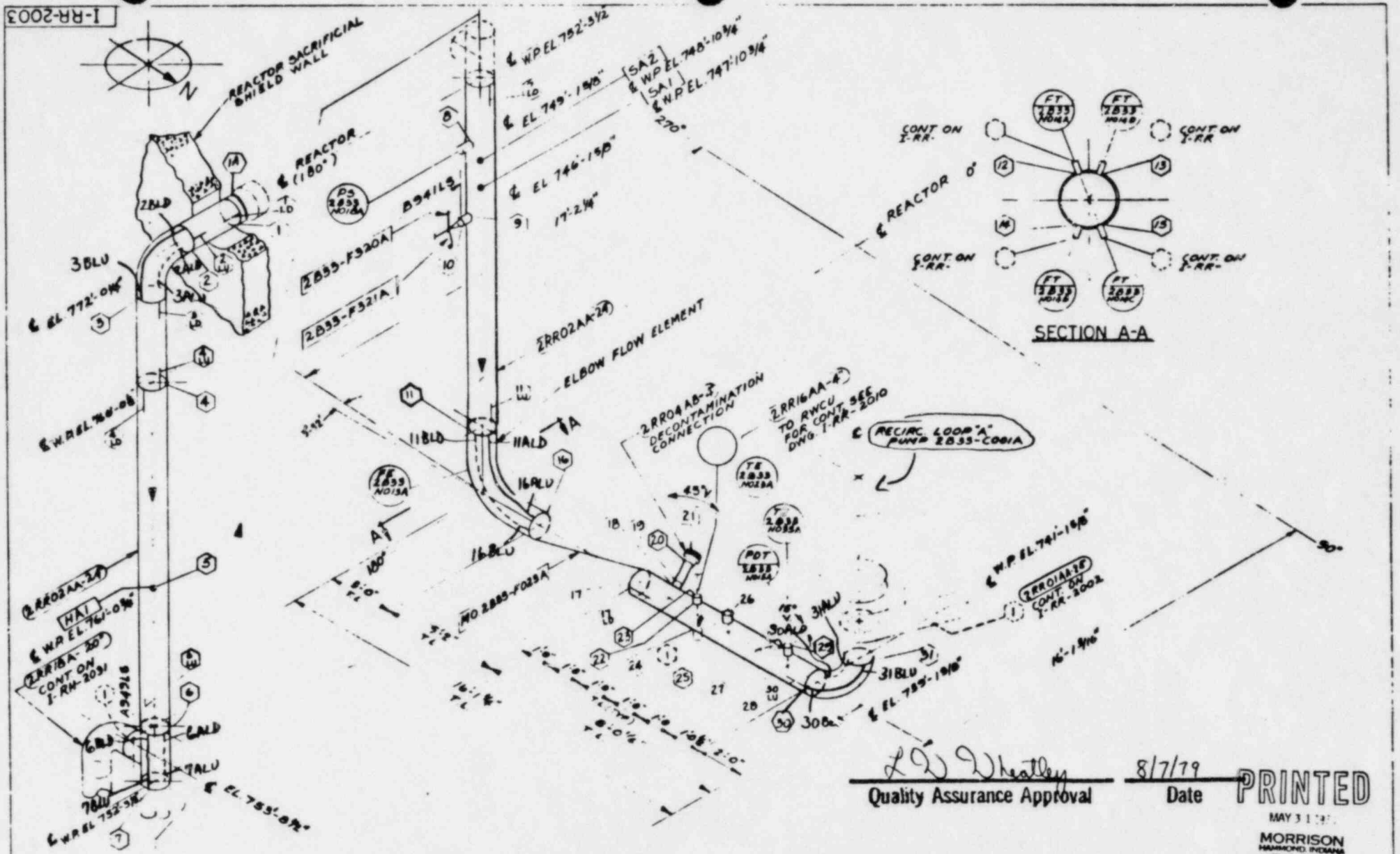
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "A"

REF Dwg No. M-1SI-1/C

MCCO NO. I-RR-2002

SHEET 1

I-RR-2003



Quality Assurance Approval — Date 8/7/79

PRINTED MAY 31 19

MORRISON HAMMOND, INDIANA ENG. DEPT.

RECORD DATA Dr. INSPECTION CHANGES

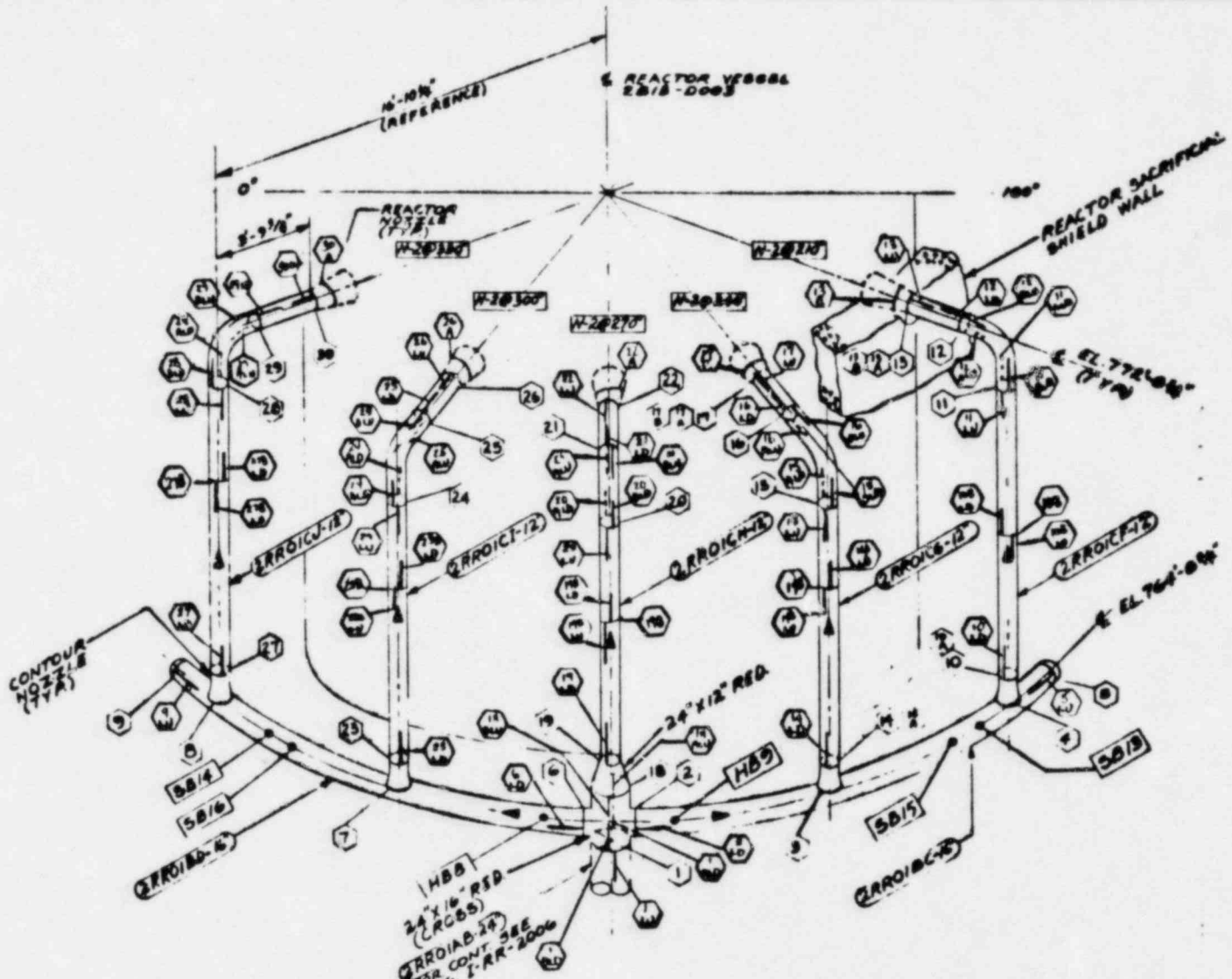
G.E. P.S.I. Rev. 0 Changes
ASME Cat.: B-J
Procedures: UT #1 Rev. 4, PT #2 Rev. 5
UT Cal. Std.: 01-04-05 welds 19,20; 01-24-08 welds 1,1LD,2,2LU,3,3LD, 4,4LU,4LD,6,6LU,7,7LD,11,11LU,17,17LD,30,30LU; all other welds 01-24-07

REVISIONS			
REV			Date
0	PRELIMINARY		6-1-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

Job No. 2004 To 004 900 307 — Drawn DDD — Date 7-2-79
BASED ON ASME SECT XI & MCCO DWG I-01-116/5 — Checked — Date — APP'D — Date
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "A"
M.E. Dwg. No. M-139-1/1 — MCCO I-RR-2CC3
SHEET-1

I-RR-2005



Quality Assurance Approval

9/28/81
Date

PRINTED
MAY 3 1 1971
MORRISON
ENGINEERING DEPT.

GE PSI Rev 3
Added Cross Long Seams

REVISIONS				
REV	DESCRIPTION	BY	CK	DATE
0	PRELIMINARY			8-1-75

MORRISON CONSTRUCTION CO.
MARIANNE, INDIANA

ISI BASED ON ASME SECT XI &
MCCC DWG. ISE-OL-1122C

Drawn DDD Date 8-5-75
Checked Date
Approved Date

COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1&2

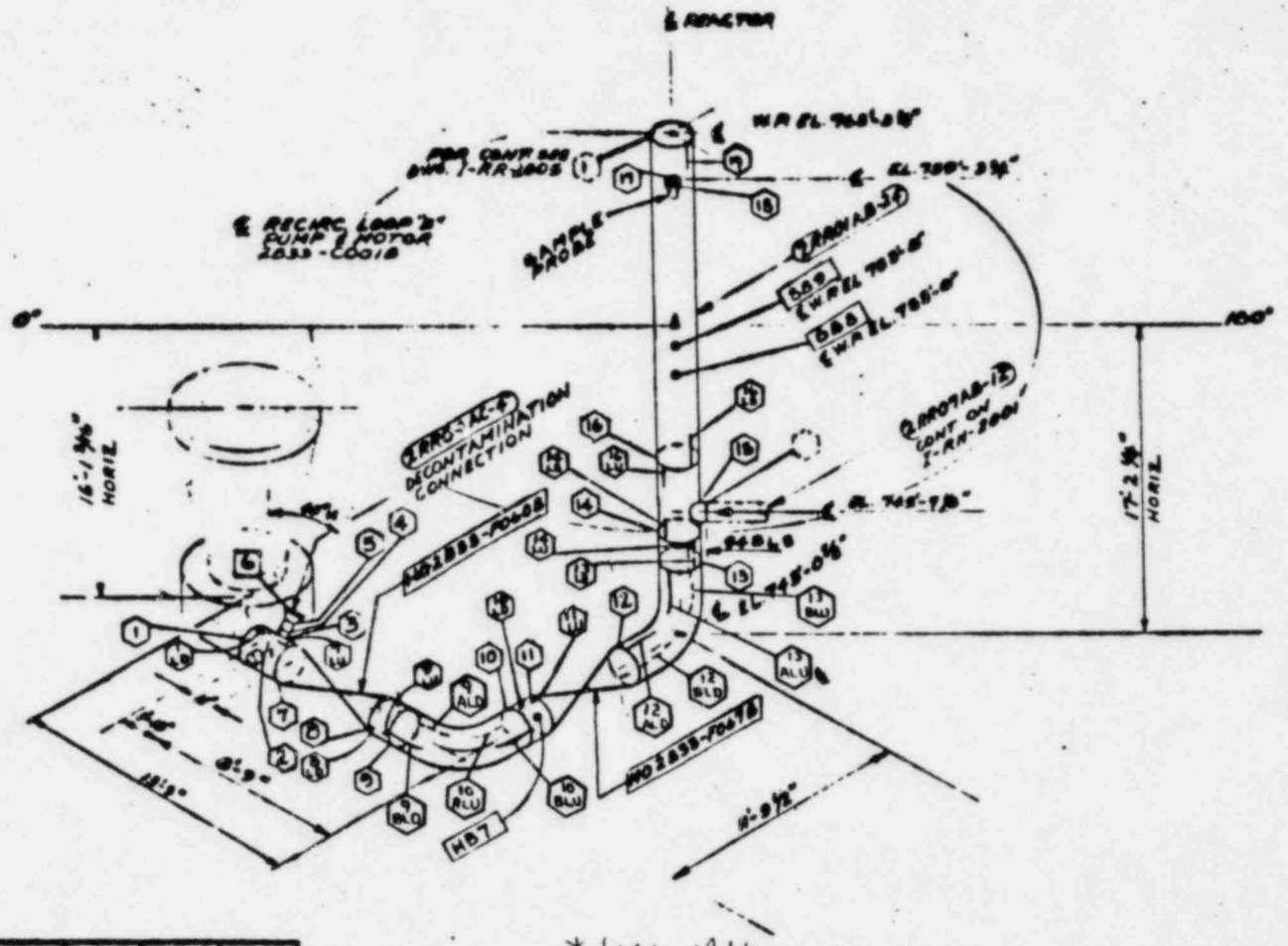
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "B"

REF Dwg No. M-1419-2/C

MCCC DRG # I-RR 2005

SHEET 1

1-RR-2006



WELD	TYPE	PT	0°	45°
1	P-PU			
1LD	L.S.			
3	P-W			
4	W-P			
5	P-F			
7	P-V			
7LU	L.S.			
8	V-P			
8LD	L.S.			
9	P-E			
9LU	L.S.			
9ALD	IALS			
9BLD	OALS			
10	E-P			
10LD	L.S.			
10ALU	IALS			
10BLU	OALS			
11	P-V			
11LU	L.S.			
12	V-E			
12ALD	IALS			
12BLD	OALS			
13	E-P			
13ALU	IALS			
13BLU	OALS			
13LD	L.S.			
14	P-P			
14LD	L.S.			

WELD	TYPE	PT	0°	45°
14LU	L.S.			
15	P-W			
16	P-P			
16LD	L.S.			
16LU	L.S.			

* Welds 14 LU removed per NCR 6 replace with seamless pipe
13 LD

R W Wheatley 10/17/80

PRINTED
MAY 3 1 1971
MORRISON
RAYMOND, INDIANA
ENG. DEPT.

G.E. PSI Rev. 1
ASME Cat: B-J
Procedures: MPUP-S751/6; PP-S751/7
UT Cal. Std: 01-04-05 welds 4,5; 01-24-07 welds 12,12ALD,12BLD,13ALU, 13BLU; 01-24-01 all other welds.

REVISIONS			
REV			
"0"	PRELIMINARY		

MORRISON CONSTRUCTION CO.
RAYMOND, INDIANA

ISI BASED ON ASME SECT XI & MCCO DWG. IS1OL-1127B

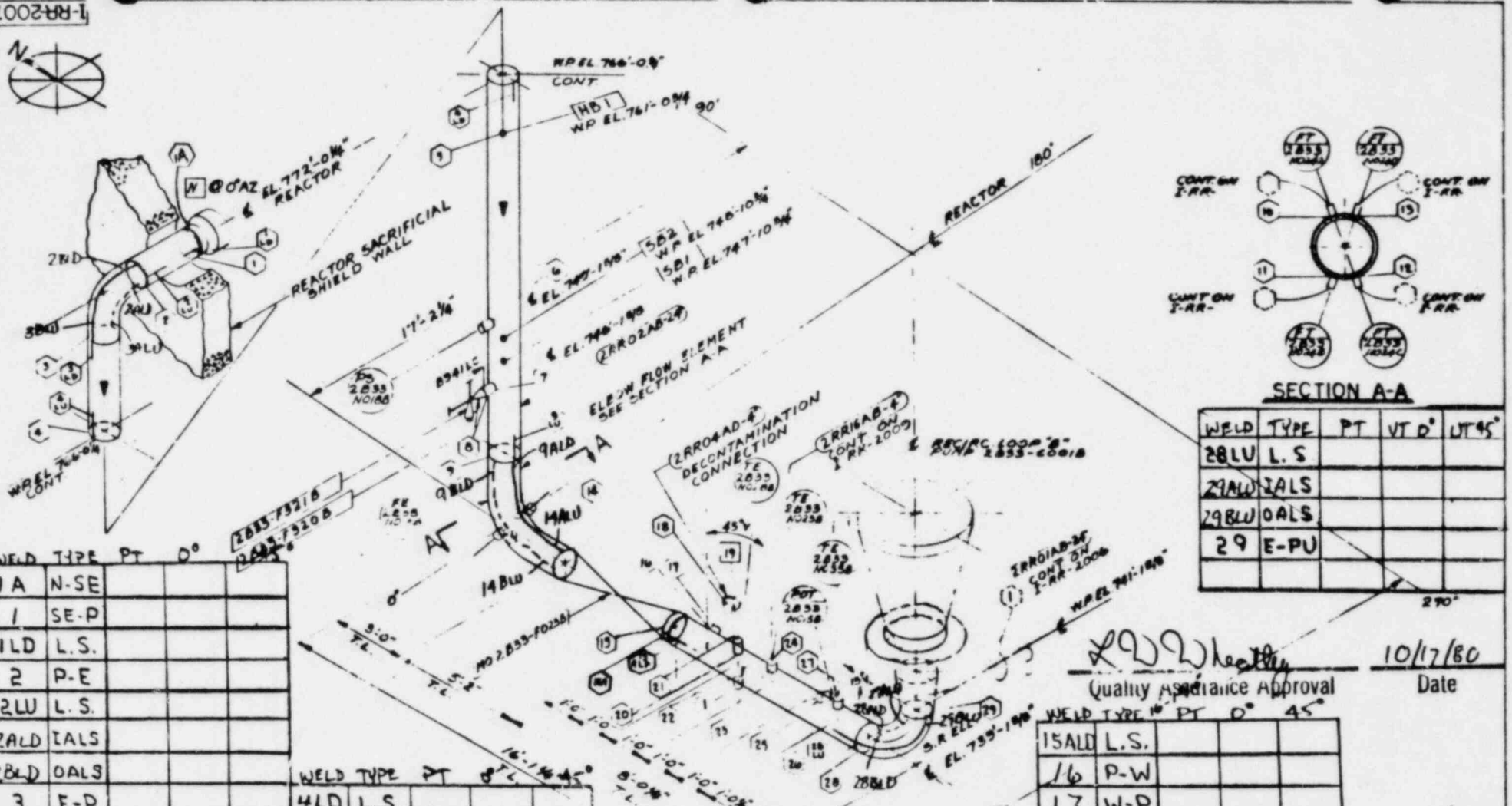
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1&2
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "B"

REF Dwg No. M-1027

1-RR-2006

SHEET 1 OF 1

1-RR2007



WELD	TYPE	PT	0°	
1A	N-SE			
1	SE-P			
1LD	L.S.			
2	P-E			
2LU	L.S.			
2ALD	IALS			
2BLD	OALS			
3	E-P			
3ALU	IALS			
3BLU	OALS			
3LD	L.S.			
4	P-P			
4LU	L.S.			

WELD	TYPE	PT		
4LD	L.S.			
9	P-E			
9LU	L.S.			
9ALD	IALS			
9BLD	OALS			
14	E-V			

WELD	TYPE	PT	0°	45°
14ALU	IALS			
14BLU	OALS			
15	V-P			
15A	P-P			

WELD	TYPE	PT	VT 0°	UT 45°
28LU	L.S			
29ALU	IALS			
29BLU	OALS			
29	E-PU			

WELD	TYPE	PT	0°	45°
15ALD	L.S.			
16	P-W			
17	W-P			
18	P-F			
22	P-W			
28	P-E			
28ALD	IALS			
28BLD	OALS			

Quality Assurance Approval — Date 10/17/80

PRINTED
MAY 3 1 1971
MORRISON
MARION, INDIANA
ENG. DEPT.

G.E. PSI Rev. 1 Changes: Added welds 15A and 15ALD
ASME Cat.: B-J
Procedures: UT #1 Rev. 4; PT #2 Rev. 5
UT Cal. Std.: 01-04-05 welds 17,18; 01-24-07 welds 1A,2ALD,2BLD, 3ALU,3BLU,9ALD,9BLD,14,14ALU,14BLU,28ALD,28BLD,29,29ALU,29BLU; all other welds 01-24-08.

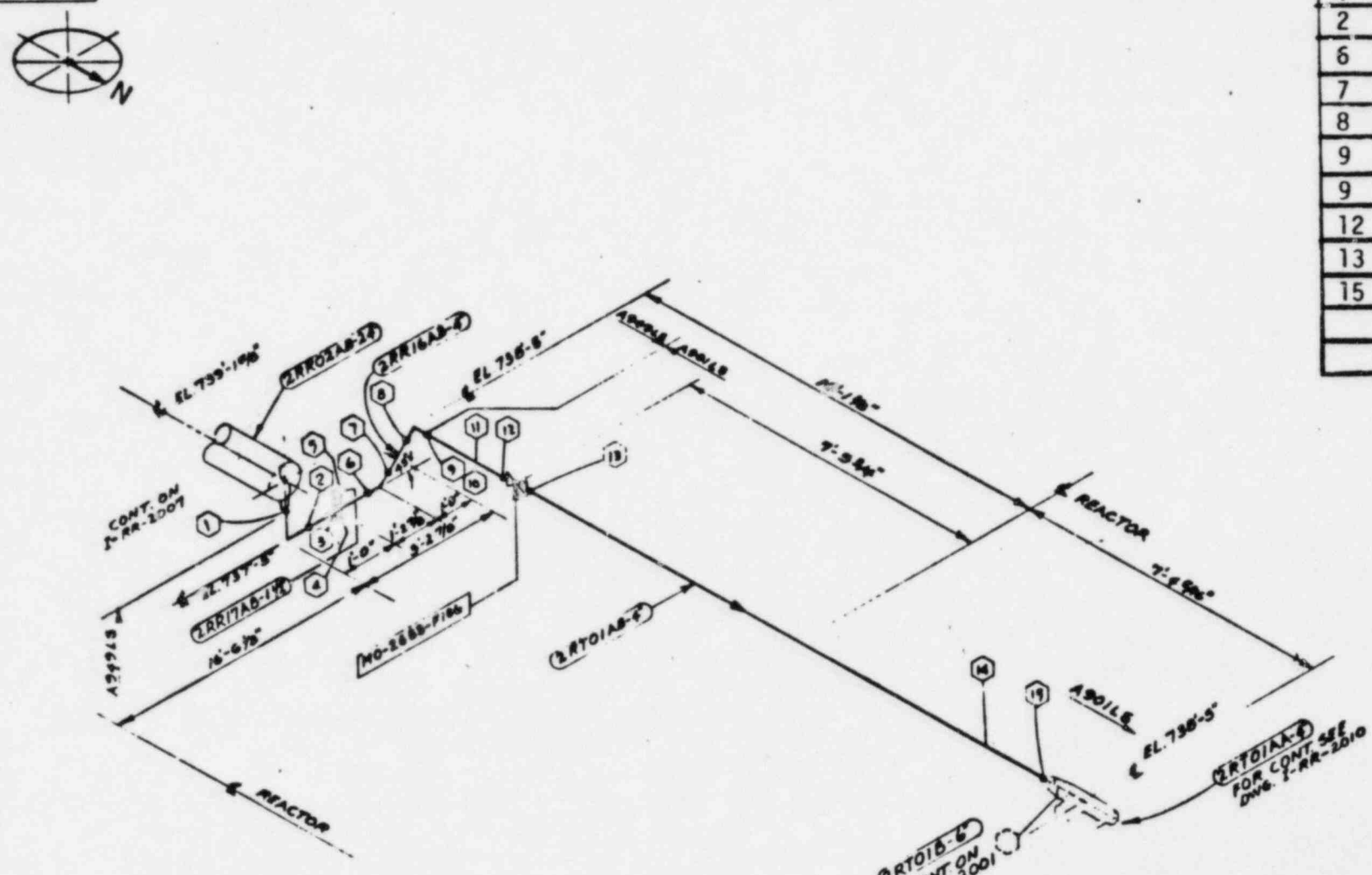
REVISIONS			
0	PRELIMINARY		6-1-79

MORRISON CONSTRUCTION CO.
RAMSEY, INDIANA
ISI BASED ON ASME Sec. XI 1974 Edition
MCCO. DWG. ISI-CI-1127C
COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
REACTOR RECIRCULATION LOOP "B"
MCCO DWG. 1-RR-2007

SHEET 1

I-RR-2009

WELD	TYPE	PT	0°	45°
1	W-E	X	X	X
2	E-P			
6	P-E			
7	E-P			
8	P-E			
9	E-P	X	X	X
9	E-P	X	X	X
12	P-V	X	X	X
13	V-P	X	X	X
15	P-T	X	X	X



Quality Assurance Approval — Date 9/7/79

PRINTED MAY 3 1 1971 MORRISON HAMMOND, INDIANA ENG. DEPT.

G.E. P.S.I. Rev. 0 Changes
ASME Cat.: B-J, B-F as noted
Procedures: UT #1 Rev. 4, PT #2 Rev. 5
UT Cal. Std.: 01-04-04 welds 9,12,13,15; all other welds
01-04-05 including 9

REVISIONS			
REV		BY	DATE
0	PRELIMINARY		8-1-79

MORRISON CONSTRUCTION CO.
HAMMOND, INDIANA

ISI BASED ON ASME SECT XI & MCCO DW. ISI-01-1126, ISI-01-1227

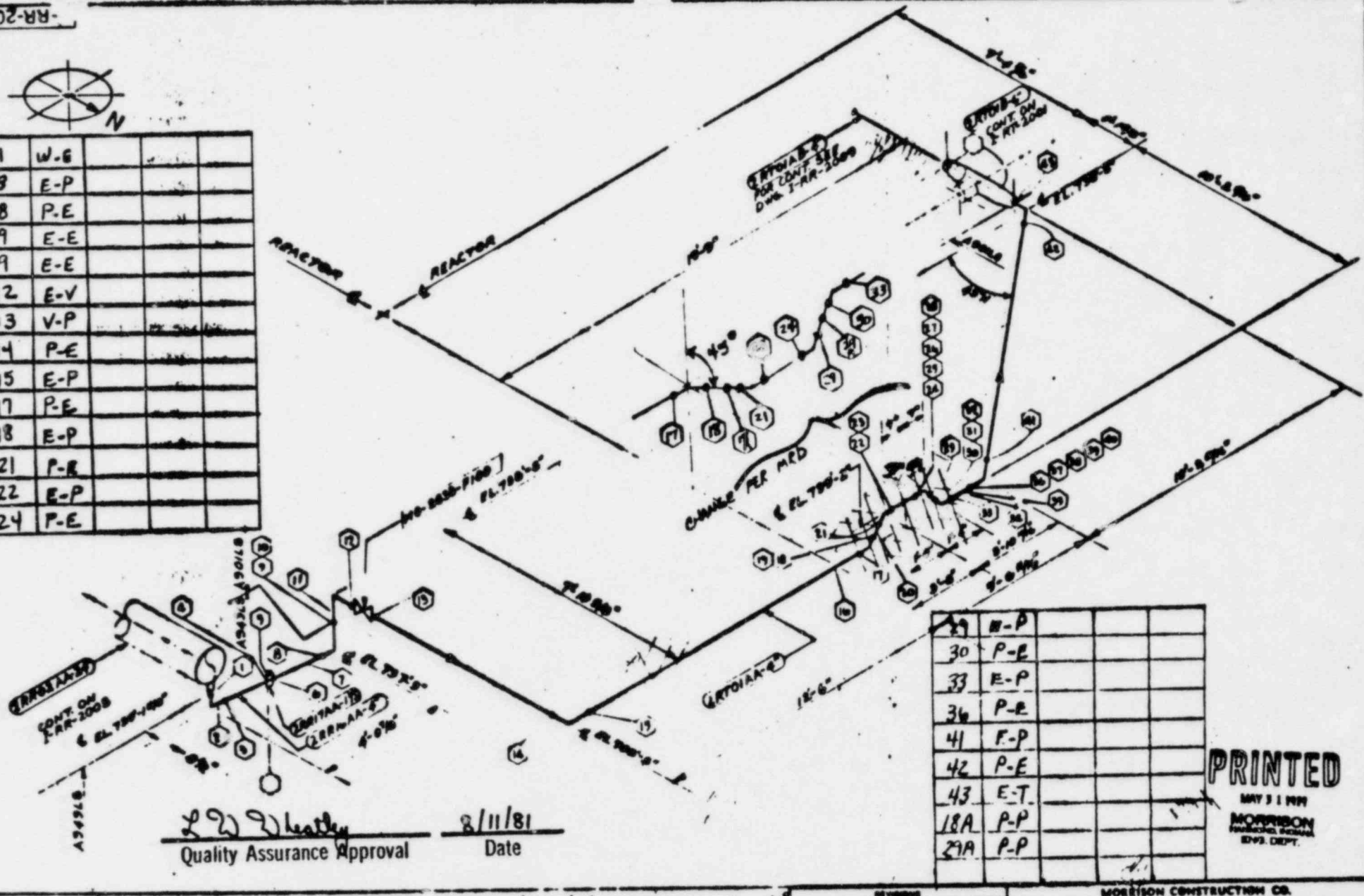
COMMONWEALTH EDISON CO LA SALLE COUNTY STATION UNITS 1 & 2

INSERVICE INSPECTION
REACTOR RECIRCULATION

REF DWG NO. M-940-5G, M-940-5I

MCCO DWG NO. I-RR-2009

-RR-2010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REACTOR
REACTOR
CHANGE PER MRD
CONT. ON 1-RR-2008
CONT. ON 1-RR-2008
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1RR01AA-6
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1RR01AA-4
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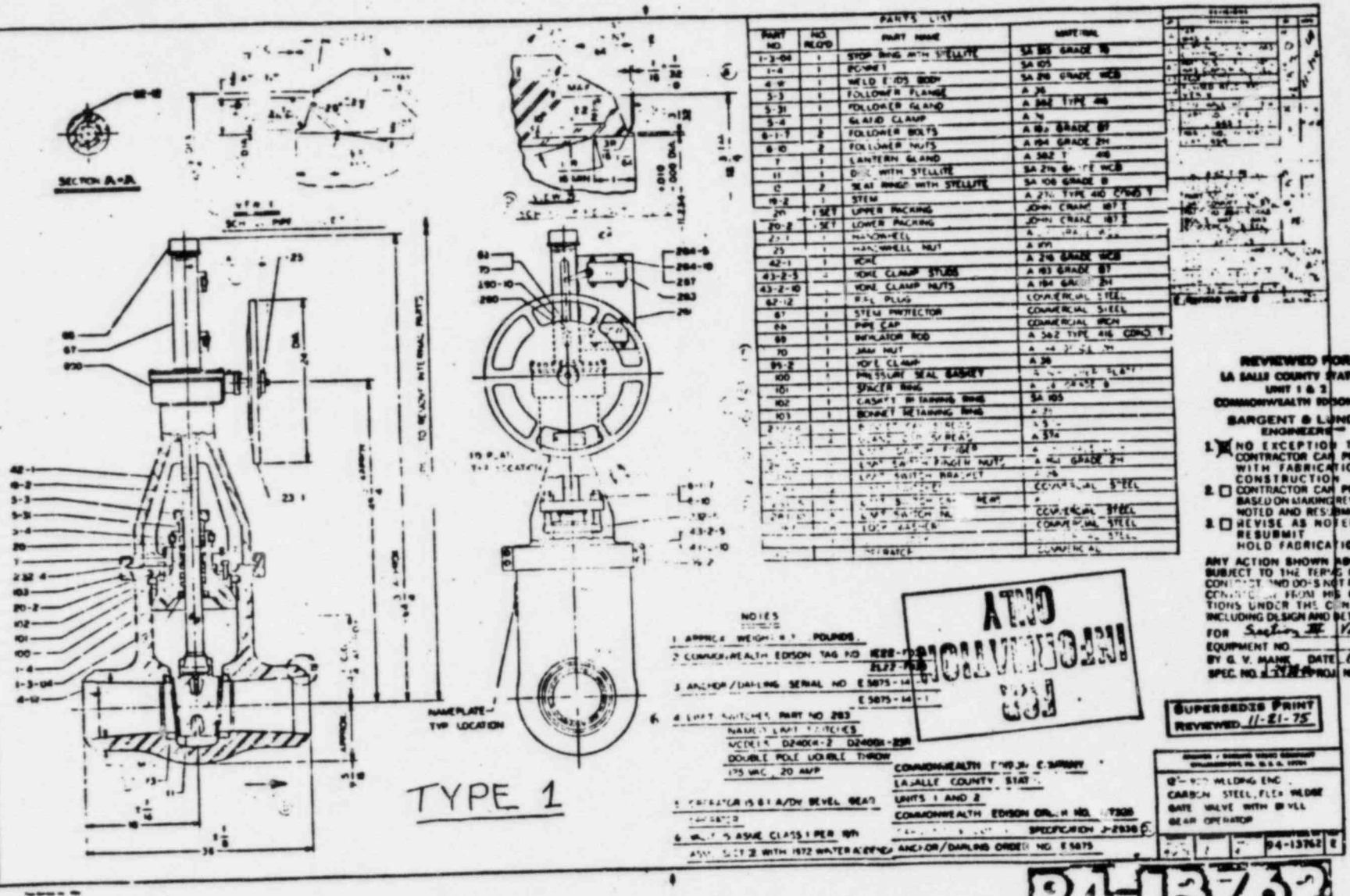

ISI Bolting Detail Dwg. 1

Page 1 of 1

16X

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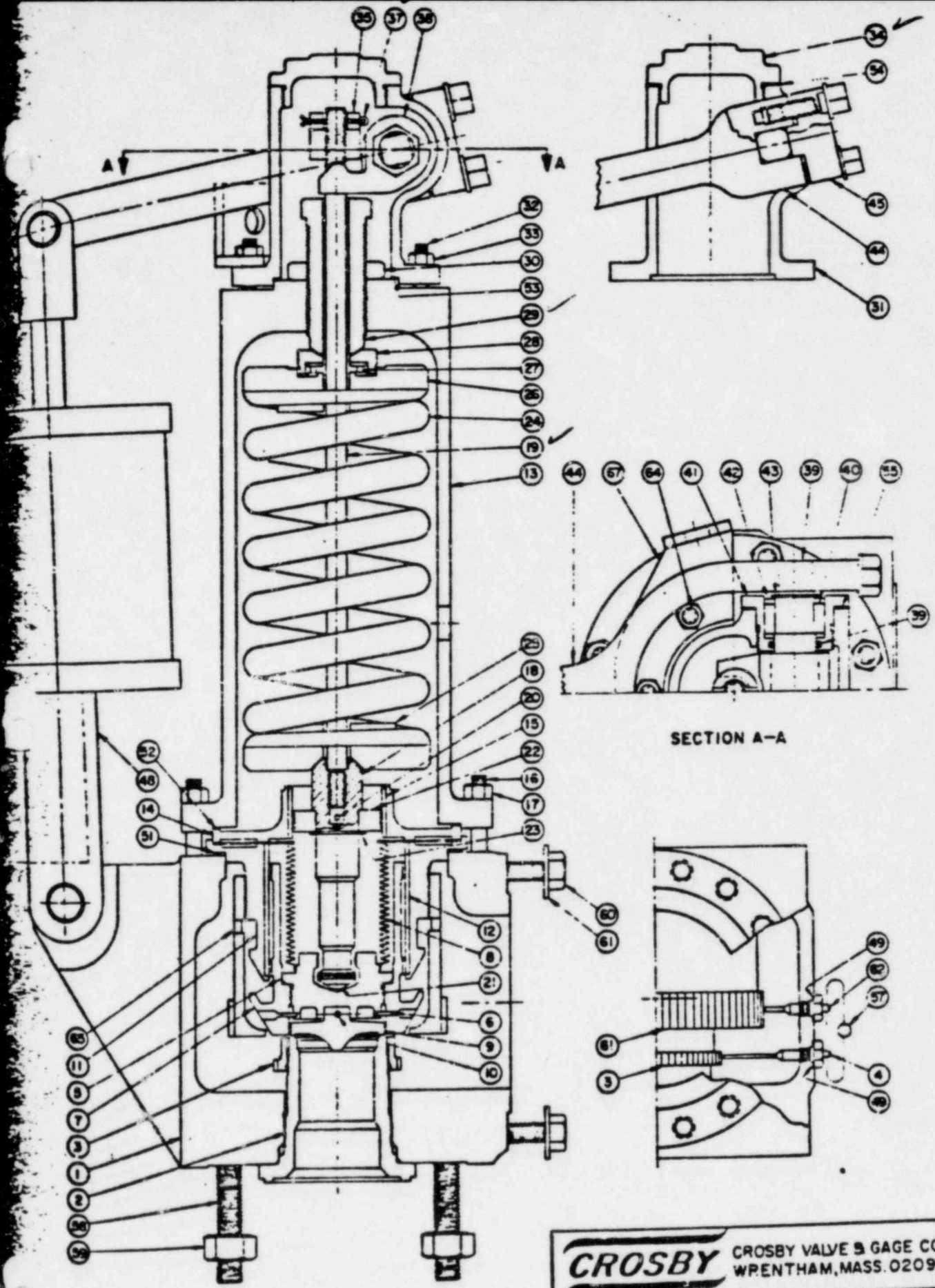
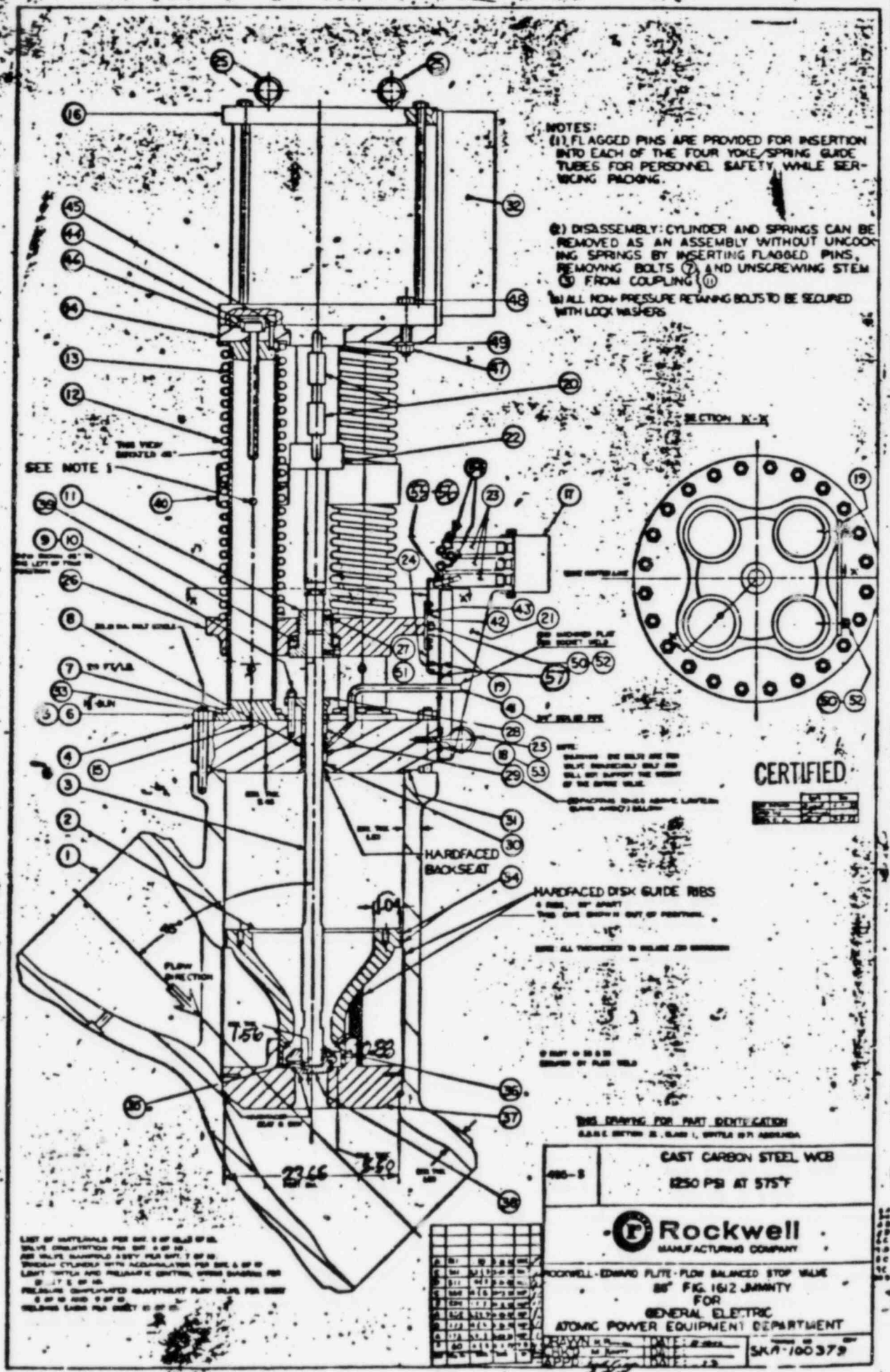


FIGURE 1

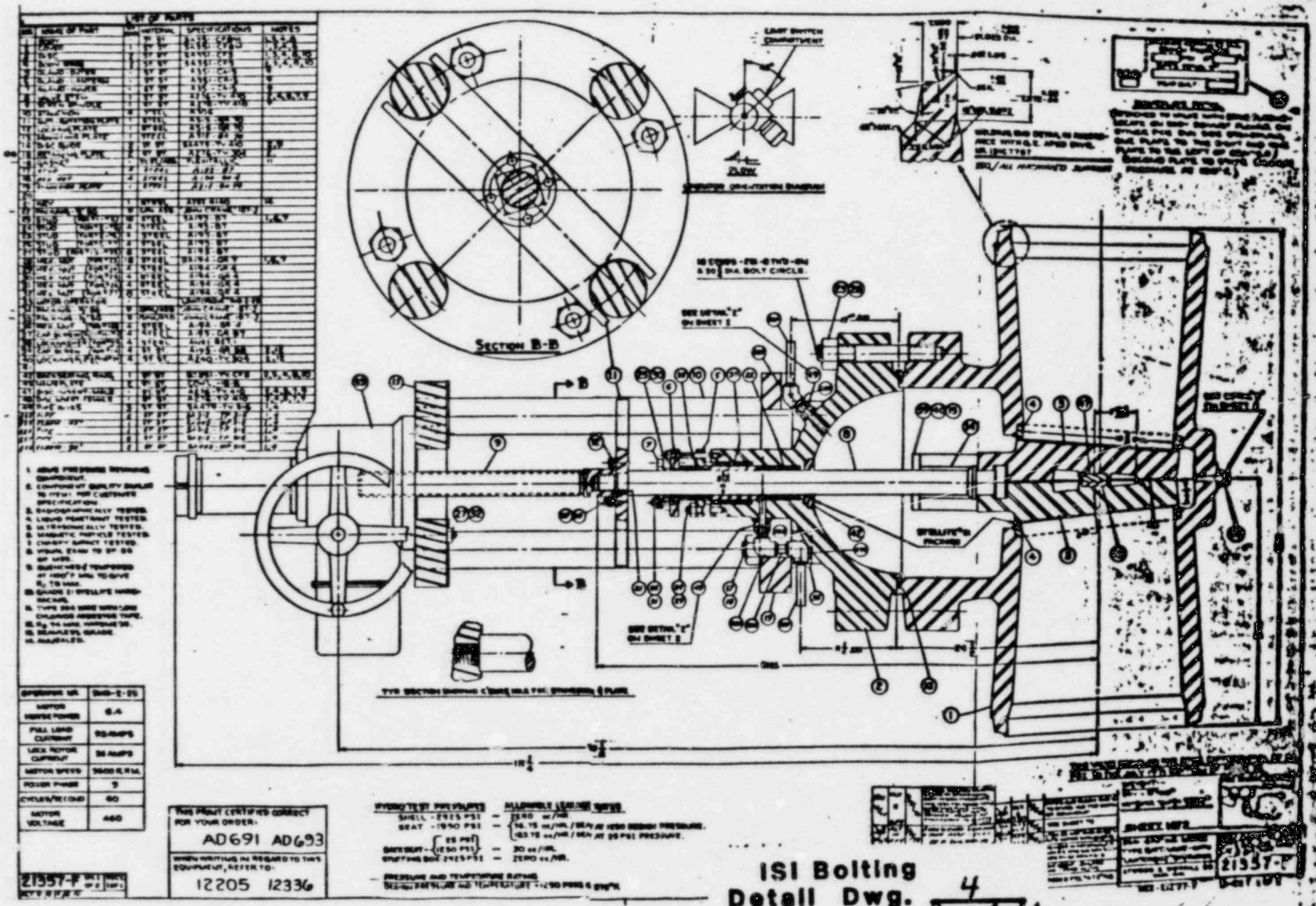
CROSBY CROSBY VALVE & GAGE CO.
WRENTHAM, MASS. 02093

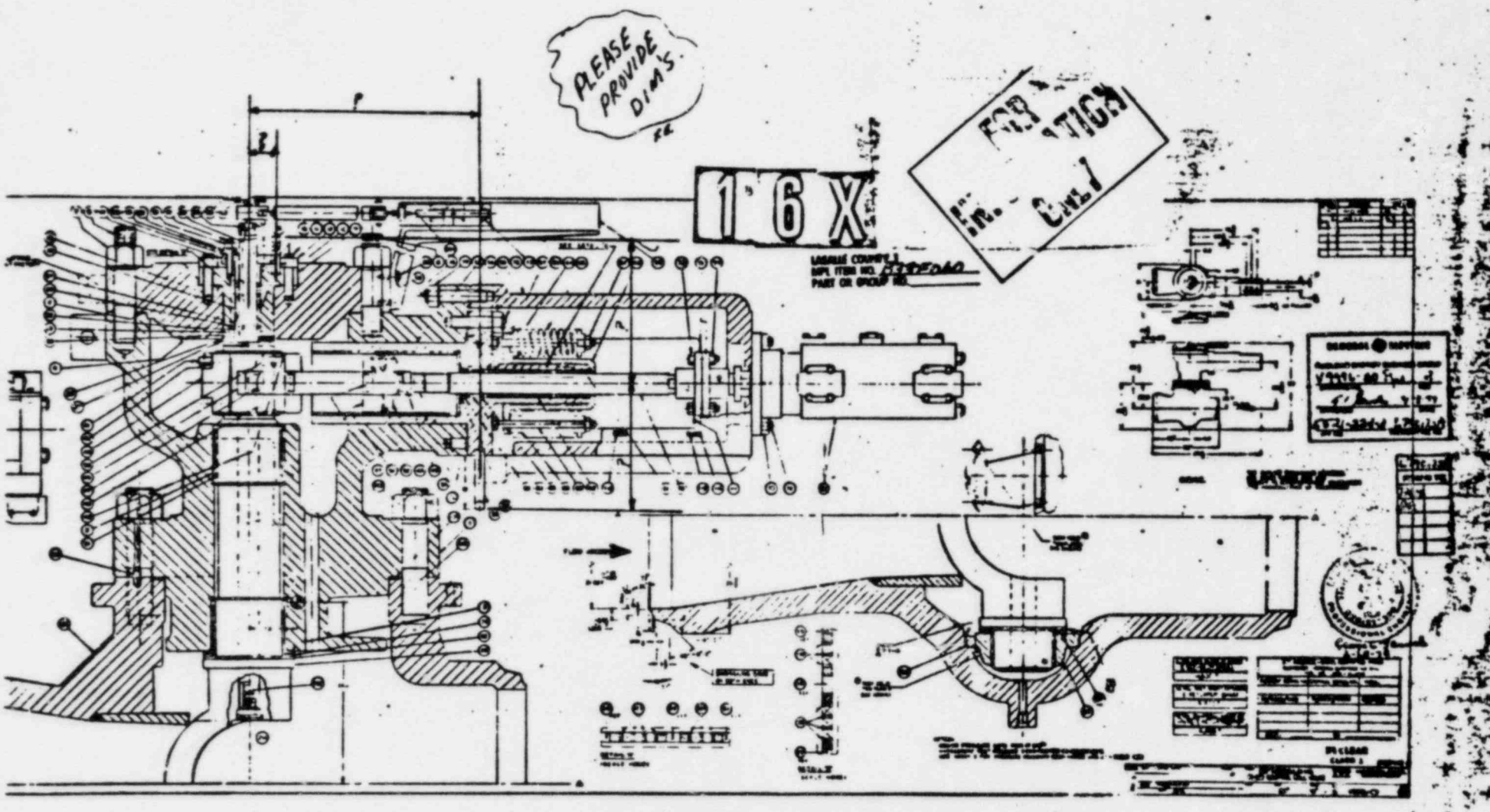
VALVE OUTLINE DRAWING

ISI Bolting
Detail Dwg. 2
Page 1 of 1



ISI Bolting
Detail Dwg. 3
Page 1 of 1


SECTION B-B
TYP SECTION SHOWING CHAMFER FOR STANDARD PLATE
THIS PRINT CERTIFIED CORRECT FOR YOUR ORDER:
AD691 AD693
WHEN WRITING IN REGARD TO THIS EQUIPMENT, REFER TO:
12205 12336
21357-F
ISI Bolting Detail Dwg.
4
Page 1 of 1



F1 or F2

ISI Bolting Detail Dwg.

5

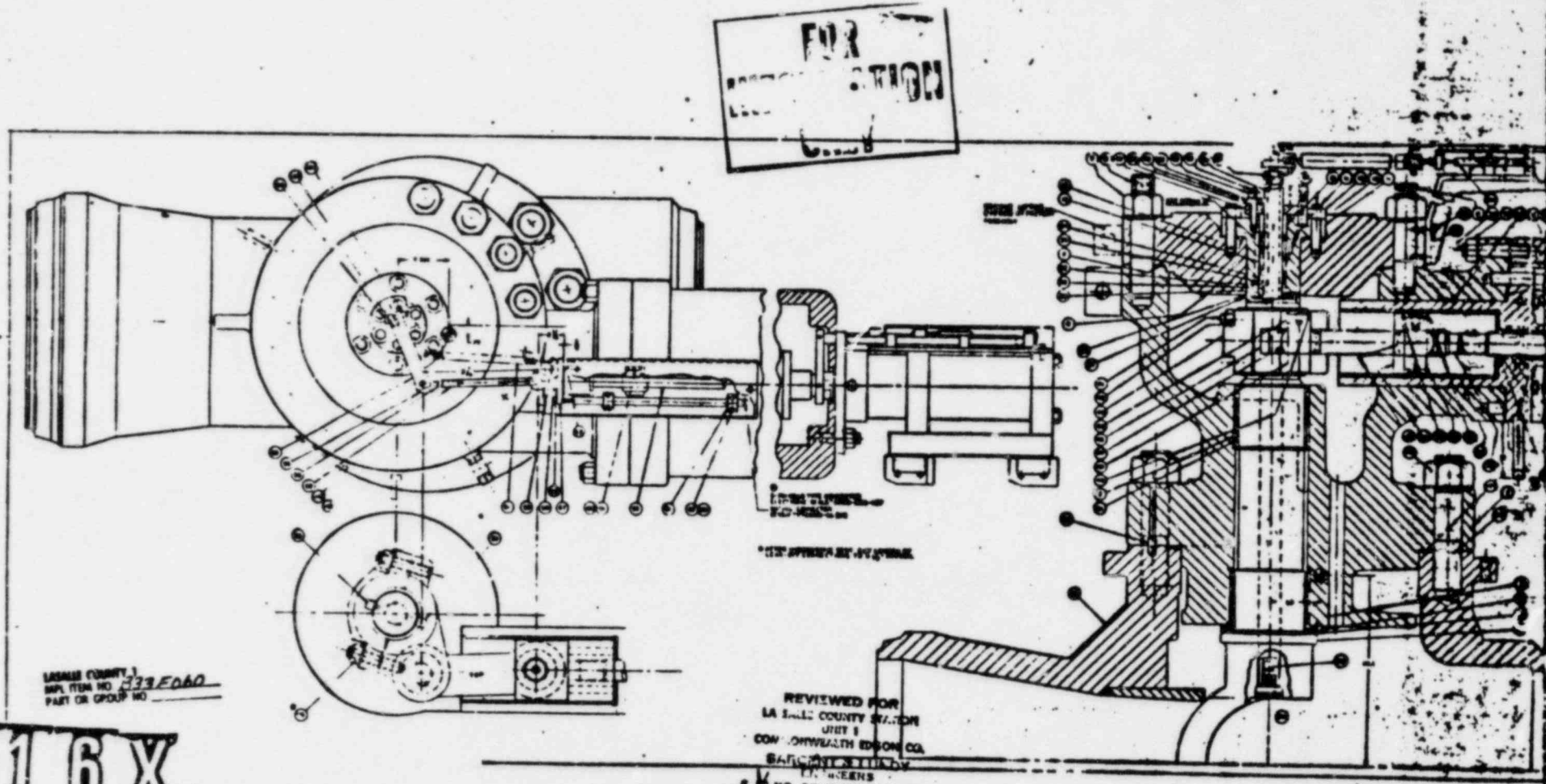
Page 1 of 3

REV. 3

J-2500

DWG VIF 5521-2

T-2112



FOR

REVIEWED FOR
UNIT 1
COMMONWEALTH EDISON CO.

NO EXCEPTION TAKEN
CONTRACTOR CAN PROCEED WITH FABRICATION OR CONSTRUCTION
CONTRACTOR CAN PROCEED BASED ON MAKING REVISIONS NOTED AND RESUBMIT.
REVISE AS NOTED AND RESUBMIT
HOLD FABRICATION.

ANY ACTION SHOWN ABOVE IS SUBJECT TO THE TERMS OF THE CONTRACT AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATIONS UNDER THE CONTRACT INCLUDING DESIGN AND DETAILING.

FOR
EQUIPMENT NO. SEE DWG
BY J. I. MAJOR DATE 12-27-79
G.E. CC NO. J-2500 PROJ. NO. 4266

LASALLE COUNTY
MPL ITEM NO. 433 EQ&D
PART OR GROUP NO.

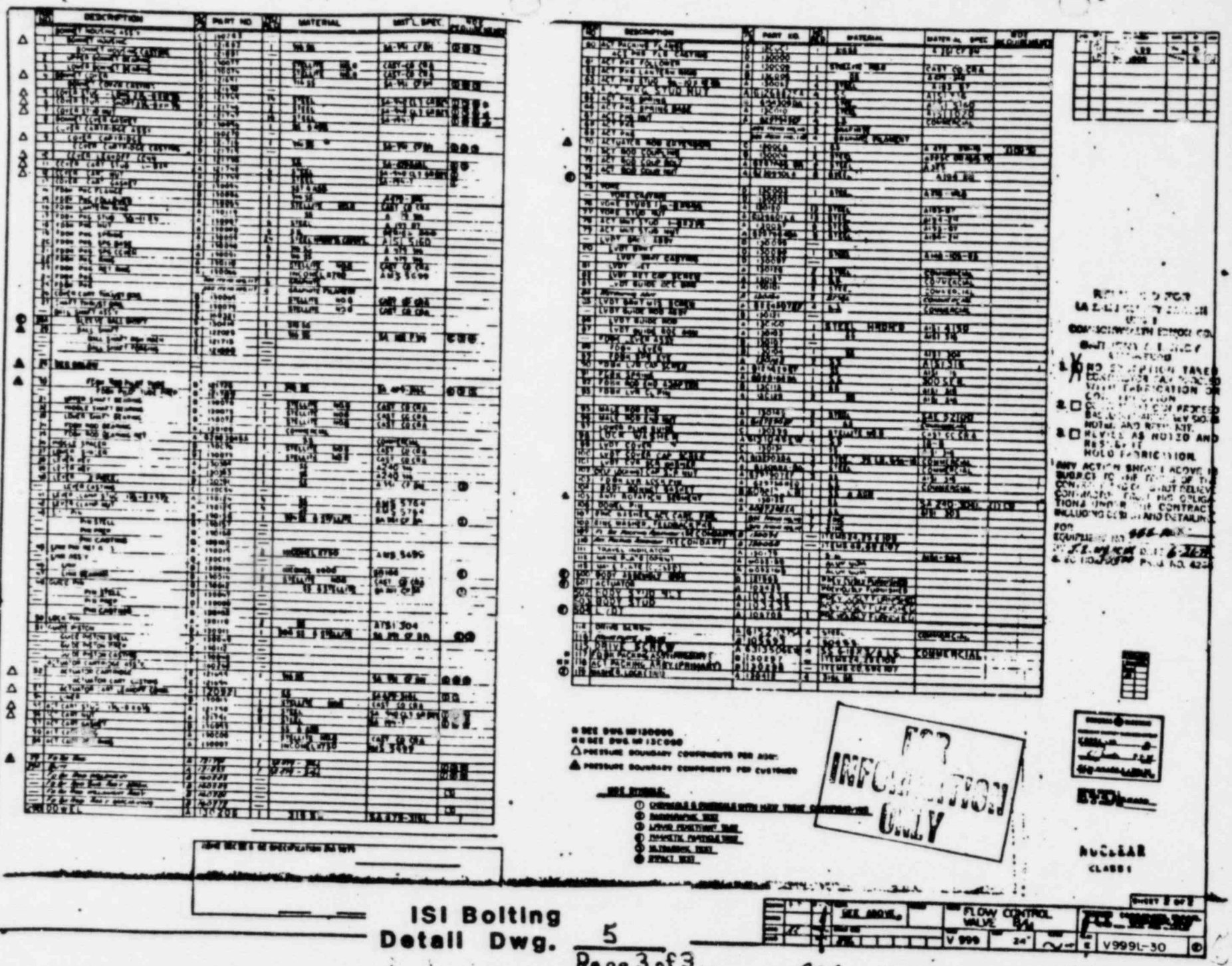
16 X

F2 OF F2

ISI Bolting
Detail Dwg. 5

Rev. 3 DWG & VPF 5531-204

T-2500 T-2112



ISI Bolting Detail Dwg. 5

REVS J-3500 J-3069 VPF 5521-224(2)

PLEASE VERIFY

GENERAL NOTES:

1. DESIGN IS IN ACCORDANCE WITH: CLASS 1 ASME SEC. III 1974 WITH WINTER 1974 ADDENDA AND CODE CASES 1567, 1627, 1682. SARGENT AND LUNDY SPECIFICATION J-2939. SEISMIC CLASS A.
2. HYDROSTATIC TESTS PER ASME SEC. III NB 6000.
   - A. SHELL TEST PRESSURE 2378 P.S.I.G. DURATION 10 MINUTES.
   - B. SEAT TEST PRESSURE 2250 P.S.I.G. MAXIMUM LEAKAGE RATE 25 CC/HR. DURATION 1/2 MINUTES.
3. ESTIMATED WEIGHT 2257 LBS.
4. AIR LEAK TEST PER MSS SP-61
   - A. PRESSURE: 80 P.S.I.G.
   - MAX. LEAKAGE: 1.0 SCFH.
5. THIS DWG. COMPLETELY SUPERSEDES 3602-8 DATED 4-9-76.

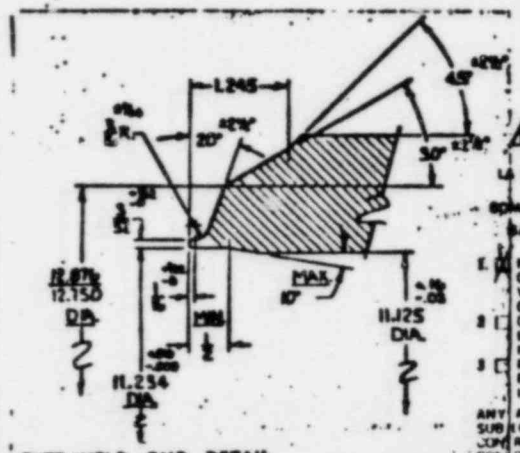
FOR INFORMATION ONLY

HANGER DWG. NO.	ITEM NO.	DESCRIPTION	MATERIAL	MATL SPEC.
3660-3-1	1	BODY	CAST STEEL	SA216 WCB
	2	BONNET	STEEL PLATE	SA516 GR 70
	3	DISC - STELLITE FACED	CAST STEEL	SA216 WCB
	4	SPINDLE - DISC	STELLITE	
	5	BUSHING - DISC	STELLITE	
3660-3-2	6	SPLIT PLATE (HORIZONTAL)	STEEL BAR	A 193 - B6X
3660-3-3	7	HINGE PIN - OPERATOR	STAINLESS STEEL	A 276 TY 410
3660-3-4	8	HINGE PIN - BONNET	STAINLESS STEEL	A 276 TY 410
3660-3-5	9	BONNET	CAST STEEL	ASTM A216 GR WCB
3660-3-6	10	SLEEVE - SPINDLE	STAINLESS STEEL	A 479 TY 410
3660-3-7	11	SLEEVE - BONNET	STAINLESS STEEL	A 479 TY 410
3660-3-8	12	SLEEVE - BONNET	STEEL PLATE	A 36
3660-3-9	13	CAP SCREW - BONNET	ALLOY STEEL	A193 B7
	14	PACKING - RING	GRAPHITE	
	14A	PACKING WASHER	GRAPHITE	
3660-3-10	15A	ARM ASSY	BRONZE	G 24
	15B	PACKING - BONNET	GRAPHITE	
3660-3-11	15C	BUSHING - OPERATOR	BRONZE	G 24
	16	GASKET - STUFFING BOX	FLEXITALLIC	FLEXITALLIC
	16A	GASKET - HINGE PIN	FLEXITALLIC	FLEXITALLIC
	17	STUD - STUFFING BOX	ALLOY STEEL	SA193 B7
	17A	STUD - HINGE PIN	ALLOY STEEL	SA193 B7
	18	NUT - STUFF BOX	STEEL	SA194 2H
	18A	NUT - HINGE PIN	STEEL	SA194 2H
	21	STUD - SLEEVE FLANGE	ALLOY STEEL	A 193 B7
	22	NUT - SLEEVE FLANGE	STEEL	A 194 2H
3660-3-12	30	SLEEVE FLANGE	STEEL PLATE	A 36
	32	ARM EXTENSION	CASTING	WELDED
	37A	CAP SCREW - ARM EXT.	ALLOY STEEL	A193 B7
	37	CAP SCREW - BRACKET	ALLOY STEEL	A193 B7
	37A	PIN - OPERATOR LEVER	SPECIAL STEEL	SPECIAL
3602-1	39	SPRING WASHER	SPECIAL STEEL	SA 666
3660-3-13	40	BRACKET (OPERATOR) ASSEMBLY	PLATE STEEL	
3660-3-14	36	STRUCTURAL SHAPES	STEEL BAR	A 36 - 3010
3660-3-15	31	COVER - BUFFER	STEEL BAR	A 36 - 3010
	31A	CAP SCREW - COVER	ALLOY STEEL	A193 B7
3660-3-16	32	SPACER - SLEEVE	STEEL PIPE	A 36 - 3010
	34A	SOLENOID VALVE	SAB-306-2000-3P	ASCO
	34B	PIPE NIPPLE	BRASS	
	34B	REDUCING BUSHING	BRASS	

HANGER DWG. NO.	ITEM NO.	DESCRIPTION	MATERIAL	MATL SPEC.
3660-3-1	23	NUT - SLEEVE	STEEL BAR	A 194 2H
	24	BUSHING - SLEEVE	STEEL BAR	A 276 TY 410
	25	CAP SCREW - HINGE	ALLOY STEEL	A193 B7
	26	PIN - LOCATOR	SPECIAL STEEL	SPECIAL
3660-3-2	27	BRACKET - LIMIT SWITCH ASSY.	PLATE STEEL	
	27A	BUSHING - SPLIT	BRONZE	SAE 792-B
	27B	LIMIT SWITCH (CCW)	SEALED-SWITCH	SEALED-SWITCH
	27C	LIMIT SWITCH (CW)	SEALED-SWITCH	SEALED-SWITCH
	27D	SCREW - OPERATING	SEALED-SWITCH	SEALED-SWITCH
3660-3-3	28	GRID-SHAFT ASSY.	STEEL BAR	A 276 TY 410
	33	CAP SCREW-SPLIT BUSHING	ALLOY STEEL	A193 B7
	33A	CAP SCREW - BRACKET	ALLOY STEEL	A193 B7
	33B	NUT SCREW - CAM	ALLOY STEEL	A193 B7
3660-3-4	35	CAM - OPERATOR	STAINLESS STEEL	A 479 TY 410
	35A	SPACER FITTING	STAINLESS STEEL	A 276 TY 410
	35B	CAM PLATE	STAINLESS STEEL	A 276 TY 410
	35C	PIPE (STAINLESS-SET SCREW SPT)	STAINLESS STEEL	A 312
3660-3-5	36	LANTERN RING	STAINLESS STEEL	A 479 TY 410
3660-3-6	43	RACE - GEAR	STEEL	A 276 - 3010
3660-3-7	44	GEAR - SPUR	STEEL	A 36
3660-3-8	45	PINION - SPUR	STEEL BAR	
	46	CAP SCREW - PINION	ALLOY STEEL	A193 B7
	47	BEARING - RACE	STEEL	
	48	BEARING - PINION	STEEL	
	49	KEY - SPECIAL	ALLOY STEEL	A193 B7
	50	NUT - SPECIAL HEX.	STEEL	A 194 2H
	51	PIPE PLUG - DRAIN	STEEL	CORROSION RESISTANT
3660-3-9	52	BOX - EXTENSION	STEEL BAR	A 276 - 3010
	53	WASHER	STEEL	COMMERCIAL
	54	NUT - JAM	STEEL	A 194 2H
	55	NUT - ADJUSTING	STEEL	A 194 2H

HANGER DWG. NO.	ITEM NO.	DESCRIPTION	MATERIAL	MATL SPEC.
3660-3-5	127	SPRING - COMPRESSION	SPRING STEEL	A 227
3660-3-6	128	HOUSING - SPRING	CAST STEEL	A 216 WCB
3660-3-7	130	SPRING RETAINER	STEEL BAR	A 276 - 3010
3660-3-8	133	BEARING - FLANGE	ONLITE	FF-1304-1, 1
3660-3-9	134	CROSS - SPRING	STEEL TUBE	A 372 - 1012
	135	RETAINING RING	TRUARC	5100-137
	136	CAP SCREW - HOUSING	ALLOY STEEL	A193 B7
	137	NUT SCREW - SPRING	ALLOY STEEL	A193 B7
	138	CAP SCREW - CLEVIS	ALLOY STEEL	A193 B7

3660-03	1	09	1E12 - F041A
3660-03	1	09	1E12 - F041B
3660-03	1	09	1E12 - F041C
3660-03	1	09	2E12 - F041A
3660-03	1	09	2E12 - F041B
3660-03	1	09	2E12 - F041C
3660-03	1	05	1E21 - F004
3660-03	1	05	2E21 - F004



BUTT WELD END DETAIL
SCHED. 100 PIPE t = 0.843
IN ACCORDANCE WITH SARGENT AND LUNDY STD. MP-2100-2

REVIEWED FOR
LA SALLE COUNTY STATION UNIT 1 & 2
COMMONWEALTH EDISON CO.
SARGENT & LUNDY ENGINEERS
NO EXCEPTION TAKEN. CONTRACTOR CAN PROCEED WITH FABRICATION OR CONSTRUCTION
CONTRACTOR CAN PROCEED BASED ON MARKING REVISIONS NOTED AND RESUBMIT
REVISE AS NOTED AND RESUBMIT
HOLD FABRICATION
ANY ACTION SHOWN ABOVE IS SUBJECT TO THE TERMS OF THE CONTRACT AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATIONS UNDER THE CONTRACT, INCLUDING CHECKING DESIGN AND DETAILING.
FOR DISC CHECK VALVE
J-2939 PROJ. NO.

TYPE 6
Page 1 of 2

SUPERSEDES PRINT
REVIEWED 11-2-77
LTR. 9-21-77

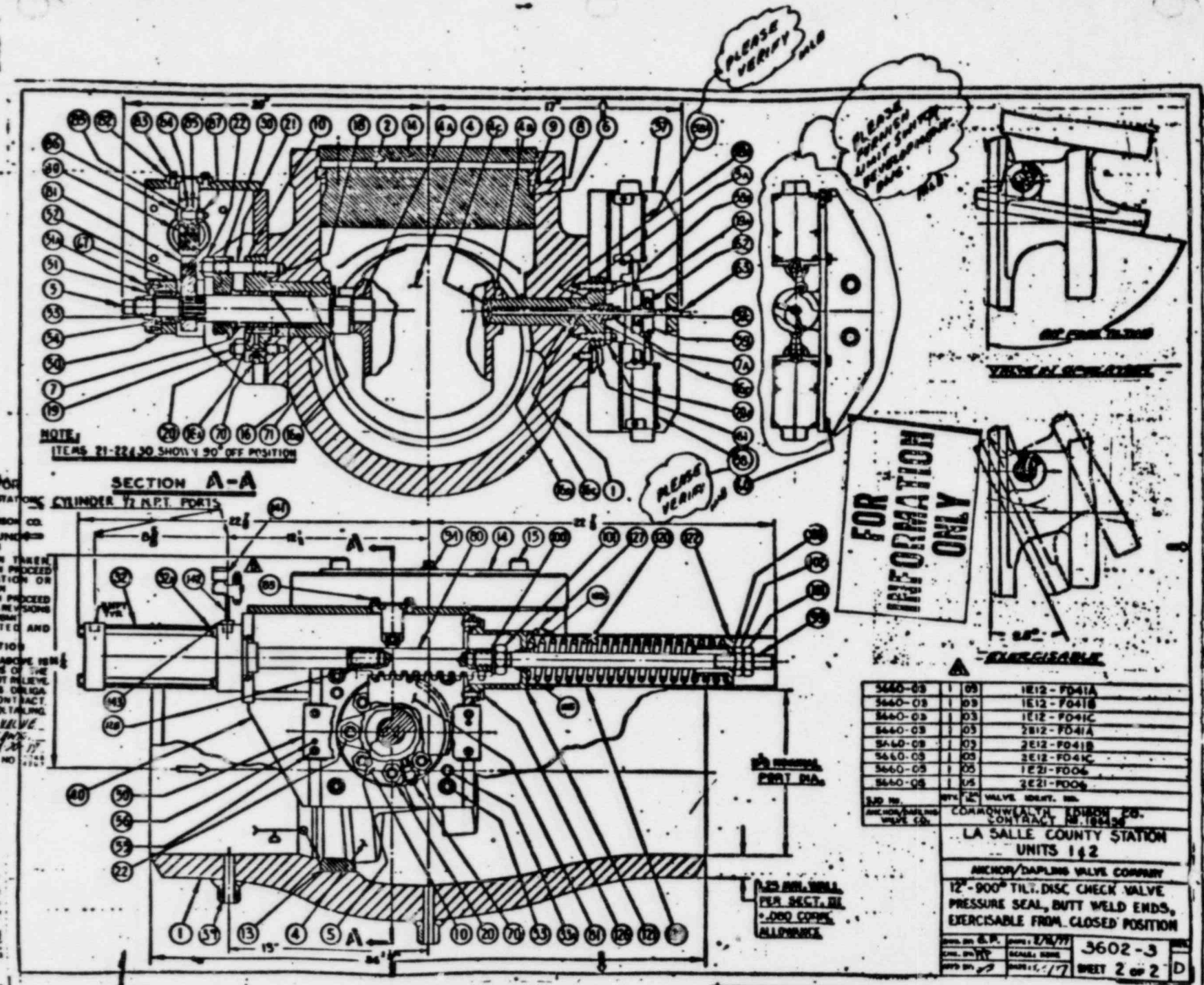
D	ADDED ITEMS 101, 102, & 143	
C		
B	ADDED IT. NO. 103, 104	
A	ADDED ALL TAG NOS., CORRECTED VIEWS OF DISC.	

COMMONWEALTH EDISON CO.
CONTRACT NO. 1-1439
LA SALLE COUNTY STATION
UNITS 1 & 2
ANCHOR/DARLING VALVE COMPANY
12"-900# TILT DISC CHECK VALVE
PRESSURE SEAL, BUTT WELD ENDS,
EXERCISABLE FROM CLOSED POSITION
DWN. BY JH DATE: 3/24/76
CHK. BY DATE:
APP'D BY DATE: 4/-
SCALE: NONE
3602-3
SHEET 1 OF 2
D

ISI Bolting Detail Dwg. 6 Page 1 of 2

J-2939

T-021279



REVIEWED FOR
LA SALLE COUNTY STATION
UNIT 1 & 2
COMMONWEALTH EDISON CO.
SARGENT & LUNDY ENGINEERS

1. NO EXCEPTION TAKEN. CONTRACTOR CAN PROCEED WITH FABRICATION OR CONSTRUCTION
2. CONTRACTOR CAN PROCEED BASED ON MAKING REVISIONS NOTED AND RESUBMIT
3. REVISE AS NOTED AND RESUBMIT
4. HOLD FABRICATION

ANY ACTION SHOWN ABOVE IS SUBJECT TO THE TERMS OF THE CONTRACT AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATIONS UNDER THE CONTRACT, INCLUDING DESIGN AND DETAILING.

FOR DISC CHECK VALVE
EQUIPMENT NO. SEE BELOW
BY J.L. WALKER DATE 9-20-77
SPEC NO. J-2939 PROJ NO

SUPERSEDES PRINT
REVISED 11-2-77
LTR 9-21-77

ISI Bolting Detail Dwg.

J-2939 T-021279

GENERAL NOTES:

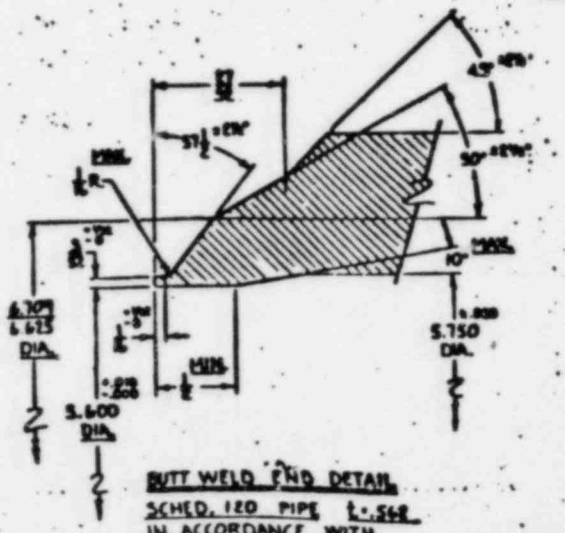
1. DESIGN IS IN ACCORDANCE WITH: CLASS 1 ASME SEC. III 1974 WITH WINTER 1974 ADDENDA AND CODE CASES 1567, 1627, 1688. SARGENT AND LUNDY SPECIFICATION J-2939. SEISMIC CLASS A.
2. HYDROSTATIC TESTS PER ASME SEC. III NB 6000.
   A. SHELL TEST PRESSURE 3375 P.S.I.G. DURATION 11 MINUTES.
   B. SEAT TEST PRESSURE 2250. P.S.I.G. MAXIMUM LEAKAGE RATE 12 CC/HR. DURATION 1/2 MINUTE.
3. ESTIMATED WEIGHT 373 LBS.
4. AIR LEAK TEST PER MSS SP-61
   A. PRESSURE: 80 P.S.I.G.
   MAX. LEAKAGE: .06 SCFH.
5. THIS D.W.G. COMPLETELY SUPERSEDES 3606-3 DATED 4-16-76.

TYPE 7

Page 1 of 2

MANUF. DWG. NO.	ITEM NO.	DESCRIPTION	MATERIAL	MAT'L SPEC.
B-10-1-1	1	BODY	CAST STEEL	SA216 WCB
B-10-2-1	2	BONNET	STEEL	SA216 WCB
B-10-3-1	4	DISC (STELLITE FACED	CAST STEEL	SA216 WCB
B-10-5-1	4A	SUPPORT DISC	12 PERCENT CR	A276
B-10-6-1	5	HINGE PIN	STAINLESS STEEL	A479 TY 410
				A582 F6
B-10-8-1	30	BUSHING (HINGE PIN)	REFRACTORY CU	A148
B-10-9-1	32	STOP PIN (DISC ARM)	STAINLESS STEEL	A479 TY 410
				A582 F6
B-10-1-2	3	GASKET (PRESSURE SEAL)	SOFT STEEL	HONEYCOMB
B-10-2-2	7	GUIDE	STAINLESS STEEL	A479 TY 410
B-10-3-2	20	GUIDE (PRESSURE)	STAINLESS STEEL	A479 TY 410
B-10-1-3	8	BONNET RING	STAINLESS STEEL	A276 GR 304
B-10-2-3	9	RETAINING RING	STAINLESS ALLOY	A582 GR 304
B-10-3-3	10	STUFFING BOX (OPERATING)	STAINLESS STEEL	18-10% NIB
B-10-4-3	10A	STUFFING BOX (INDICATING)	STAINLESS STEEL	18-10% NIB
B-10-5-3	11	SEAT RING (INTEGRAL)	SHIELDITE	
B-10-1-4	14	CAP (BONNET)	STAINLESS ALLOY	A351
	15	CAP SCREW (BONNET)	ALLOY STEEL	A193 GR7
	16	PACKING (INNER)	GRAPHITE	
	16A	PACKING (OUTER)	GRAPHITE	
B-10-5-4	16B	JAM RING	GRAPHITE	NIB
	16C	PACKING (INDICATOR)	GRAPHITE	
	17A	NUT (LEVER ARM)	HEX STEEL	A563 GR A563
	18	GASKET	S-S/GRAPHITE	FLEXITALLIC
	19	STUD (STUFF-BOX OPERATOR)	ALLOY STEEL	SA 193 B7
	19A	STUD (STUFF-BOX INDICATOR)	ALLOY STEEL	SA 193 B7
	20	NUT (STUFF-BOX OPERATOR)	STEEL	SA 194 2H
	20A	NUT (STUFF-BOX INDICATOR)	STEEL	SA 194 2H
	21	STUD (GUIDE)	ALLOY STEEL	SA 193 B7
	22	NUT (GUIDE)	STEEL	SA 194 2H
B-10-5-5	30	GLAND FLANGE	STEEL ALLOY	A 216
	32	AIR CYLINDER	WELDED	ASME
	33	PIN	SPRING	

MANUF. DWG. NO.	ITEM NO.	DESCRIPTION	MATERIAL	MAT'L SPEC.
	37	CAP SCREW (LEVER)	ALLOY STEEL	A193 B7
B-10-1-3	38	LEVER	STEEL BAR	A105 1026
3392-1	39	BY-PASS CONNECTION	FORGED STEEL	SA 350
B-10-1-3	40	BRACKET (ARM CYLINDER)	PIPE STEEL	
B-10-2-3	41	SPRING RETAINER	STEEL G	A36
B-10-1-2	42C	NUT (ADJUSTING)	STEEL BAR	A194 2H
B-10-2-2	42C	LOCK NUT (ADJUSTING)	STEEL BAR	A194 2H
	42D	NUT (ADJUSTING)	STEEL	A194 2H
	42E	JAM NUT	STEEL	A194 2H
	42F	SPACER	PIPE STEEL	ELECTRIC
	42J	CAP SCREW	ALLOY STEEL	A193 B7
B-10-1-3	34	BUSHING (HINGE PIN)	BRONZE	660
	50	LIMIT SWITCH (CLOSE)	BALTIC 11500	NEMA 4
	50A	LIMIT SWITCH (CLOSE)	BALTIC 10100	NEMA 4
	50B	LEVER (OPERATING)	BALTIC 53320	NEMA 4
B-10-1-4	51	CAM (ADJUSTABLE)	STAINLESS STEEL	A479 TY 410
B-10-2-4	52	LOBE CAM	STAINLESS STEEL	A479 TY 410
	53	KEY SCREW (CAM)	ALLOY STEEL	A193 B7
	54	CAP SCREW	STEEL	SOCKET HD.
	55	HOUSING	STEEL	CONCENTRIC
B-10-1-5	56	SPACER	STEEL TUBE	A512 1020
B-10-2-5	57	BRACKET	PIPE STEEL	
	57	BEARING	BRONZE	WELDING
	58	HOSE CLAMP	STAINLESS STEEL	A479 TY 410
	59	PIN (CLEVIS END)	FORGED STEEL	A105
	71	LIMITER BAR	STAINLESS STEEL	A479 TY 304
	72	PIPE PLUG (TAP)	CAST OF MILL	SPECIFICATION
			HIGH	
B-10-1-5	73	SOLENOID VALVE (OPERATOR)	STEEL BAR	A582 1020
	74	BONNET SPACER	ALLOY STEEL	A193 B7
	74A	SOLENOID VALVE	WV-206-D00-SP	A564
	74B	PIPE NIPPLE	BRASS	
	74C	REDUCING BUSHING	BRASS	



BUTT WELD END DETAIL
SCHED. 120 PIPE t=.562
IN ACCORDANCE WITH
SARGENT AND LUNDY STD. NP-870-B-2

REVISED PER LA SALLE COUNTY STATION UNIT 1 COMMONWEALTH EDISON CO. CONTRACT NO. 1-84-39
SARGENT & LUNDY ENGINEERS
1. ☒ NO EXCEPTION TAKEN CONTRACTOR CAN PROCEED WITH FABRICATION OR CONSTRUCTION
2. ☐ CONTRACTOR CAN PROCEED BASED ON MARKED REVISIONS NOTED AND RESUBMIT
3. ☐ REVISE AS NOTED AND RESUBMIT HOLD FABRICATION

ANY ACTION SHOWN ABOVE IS SUBJECT TO THE TERMS OF THE CONTRACT AND DOES NOT RELIEVE CONTRACTOR FROM HIS OBLIGATIONS UNDER THE CONTRACT INCLUDING DESIGN AND DETAILING
FOR ANCHOR/DARLING CHECK VALVE EQUIPMENT NO. 1E51-F066
BY J.J. MAYOR 4-30-79
SPEC NO. J-2939

FOR INFORMATION ONLY

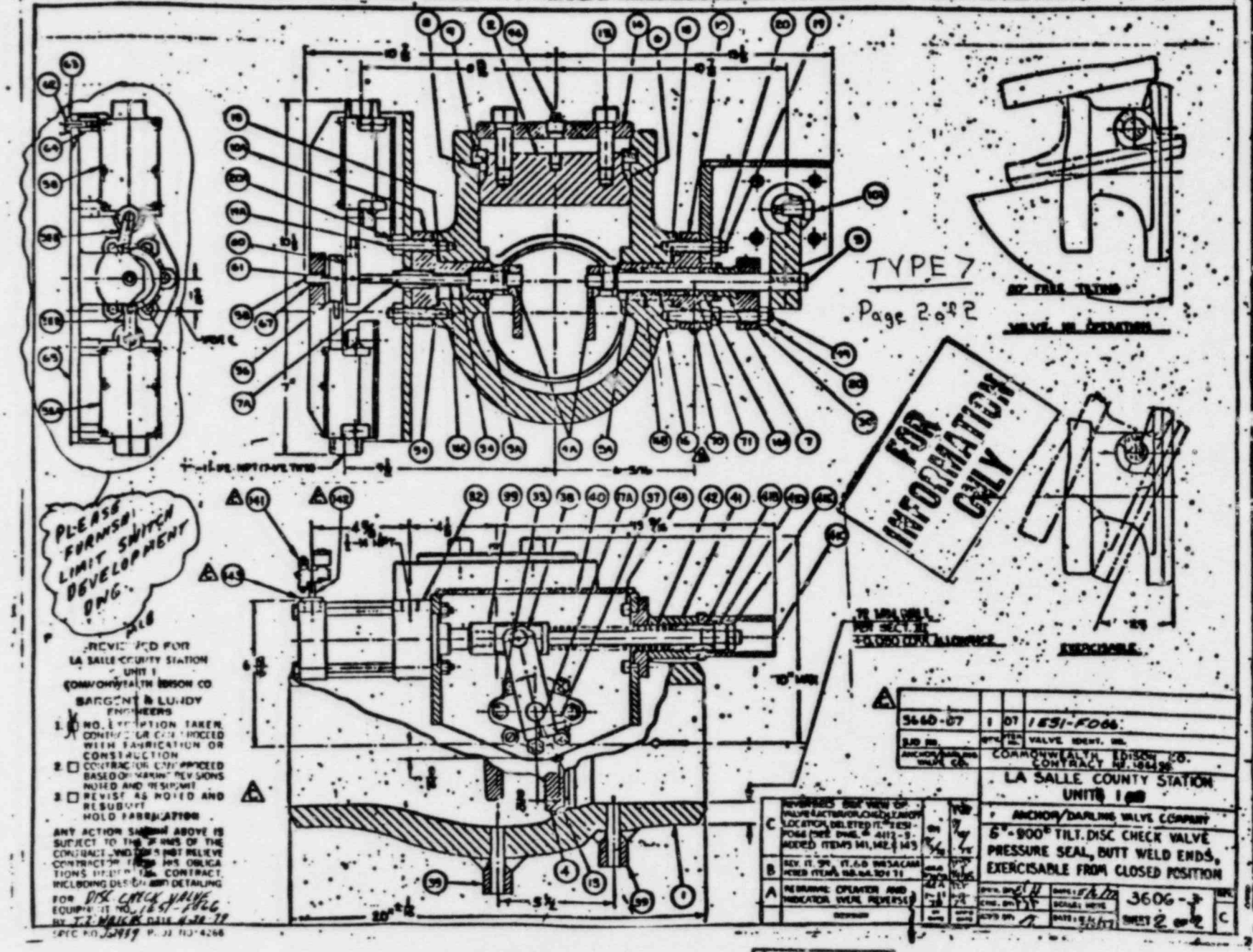
SUPERSEDED PRINT
REVIEWED 1-24-79
LTR. 10-11-78

3660-07	1	07	1E51-F066
SUB NO.	QTY.	ITEM NO.	VALVE IDENT. NO.
ANCHOR/DARLING VALVE CO.			COMMONWEALTH EDISON CO. CONTRACT NO. 1-84-39
			LA SALLE COUNTY STATION UNITS 1
			ANCHOR/DARLING VALVE COMPANY
			6"-900# TILT DISC CHECK VALVE PRESSURE SEAL, BUTT WELD ENDS, EXERCISABLE FROM CLOSED POSITION
DWG. BY:	DATE: 5/18/79		3606-3
CHK. BY:	SCALE: NONE		
APVD BY:	DATE: 5/18/79		SHEET 1 OF 2

CONT'D ON SHEET 2 OF 2

ISI Bolting Detail Dwg. 7 Page 1 of 2

J-2939 · T-021279



ISI Bolting Detail Dwg.

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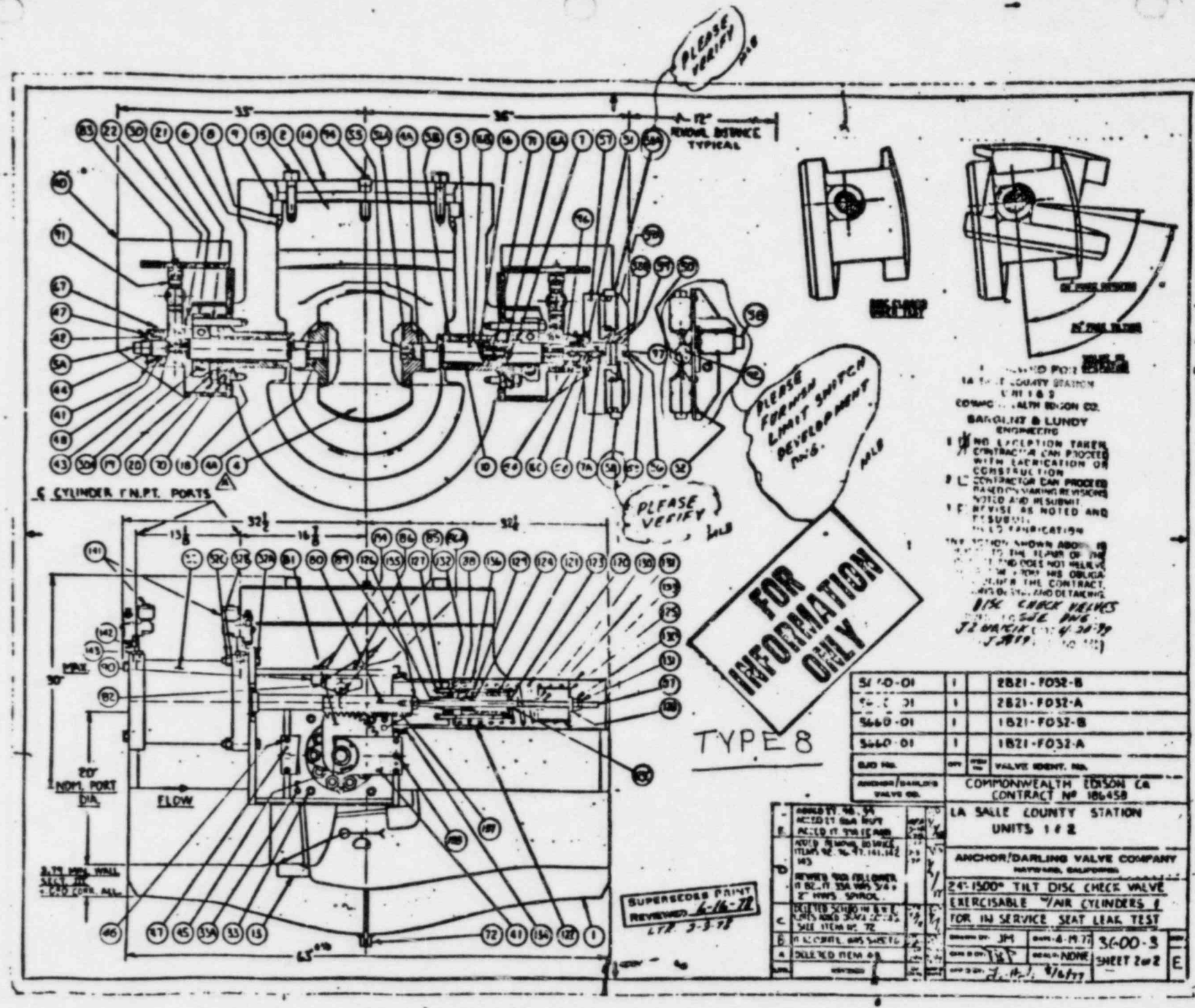
Page 2 of 2

J-2939 T-021279



ISI Bolting Detail Dwg. 8

J-2939 T-0212 79

NDE PROCEDURES

The NDE procedures used to perform the Inservice Inspection examinations are listed in Table 1. The NDE procedures are contained in the LaSalle County Station Inservice Inspection Nondestructive Examination Procedures Manual and are available for review at the LaSalle County Station.

The NDE procedures are written in accordance with the ASME Boiler and Pressure Vessel Code, 1980 Edition thru Winter 1980 Addenda. The ISI examinations are performed using the revision of the NDE procedure in effect at the time of the examination.

TABLE 1

NDE Procedure No.	Title
APUN-W801	Automated Ultrasonic Testing of Nozzle to Vessel Welds
APUV-W801	Automated Ultrasonic Testing of RPV Welds and Base Material
MPUB-W801	Ultrasonic Inspection of Pressure Retaining Greater Than Two Inches in Diameter
MPUD-W801	Manual UT Examination of Full Penetration Piping Welds (Half-Vee Technique)
MPUL-W801	Manual UT Examination of Flange Ligaments
MPUP-W801	Manual UT Examination of Full Penetration Piping Welds
MPURHX-W801	Manual Ultrasonic Testing of RHR Heat Exchanger Welds
MPUV-W801	Manual Ultrasonic Testing of RPV Welds
NIRRHX-W801	Ultrasonic Examination of RHR Heat Exchanger Nozzle Inner Radius
NIRZ1-W801	Procedure for Nozzle Inner Radius Zone 1 Ultrasonic Examination
NIRZ2-W801	Procedure for Nozzle Inner Radius Zone 2 Ultrasonic Examination
NIRZ2-N9-W801	Ultrasonic Examination for Nozzle Inner Radius Zone 2 on LaSalle Unit 1 Jet Pump Instrumentation Nozzles
PP-W801	Liquid Penetrant Examination of Nuclear Power Plant Components
PV1-W801	Visual Examination VT-1
PV2-W801	Visual Examination VT-2
PV3-W801	Visual Examination VT-3
PV4-W801	Visual Examination VT-4