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Rick J. King
Director
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November 30, 1998

U.S. Nuclear Regulatory Commission
Document Control Desk, OP1-37
Washington, DC 20555

Subject: River Bend Station - Unit I
Docket No. 50-458
License No. NPF-47
Final Requests for Relief from ASME Code Section XI Inservice Inspection Requirements for the First Ten-Year Inspection Interval

File Nos.: G9.5, G12.5.2

RBF1-98-0292
RBG-44734

References:

(1) NRC letter dated November 13, 1995, "Interim Extension of 120-Month Interval for Inservice Inspection and Inservice Testing Programs for River Bend Station, Unit 1," TAC M93235.
(2) NRC letter dated June 4, 1998, "NRC Inspection Report 50-458/98-11."

Ladies and Gentlemen:

We have completed a review of the implementation of the first ten-year interval, which was extended to December 1, 1997 (see Ref. 1). Pursuant 10 C.F.R. § 50.55a ¶¶ (g)(5)(iii) and (iv), we have determined that certain requirements are impractical due to limitations of design, geometry, or materials. Accordingly, we have revised certain relief requests previously submitted and request one additional relief from certain ASME Code, Section XI, Inservice Inspection (ISI) requirements. The relief requests submitted herein represent completion of program implementation for the first ten-year inspection interval.

The attached requests for relief for the first ten-year inspection interval are for cases where full compliance with the ASME Code, Section XI, requirements was not practical in accordance with 10 C.F.R. § 50.55a ¶ (g)(6)(i). The impracticalities are generally related to less than full coverage of the applicable welds because of physical obstructions. The revised relief requests reflect the actual percentages of coverage based on completion of the examinations.

This effort was discussed during NRC's inspection of the ISI program (see Ref. 2). We request your prompt review of these relief requests for completion of the first ten-year interval for the inservice inspection program at the River Bend Station. Should you have any questions or need any additional information, please contact Patricia Campbell at (225) 381-4615.

Sincerely,

RJK\DLM\mbp
attachments

cc: Mr. Robert Fretz
NRR Project Manager
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M/S OWFN 13-H-3
Washington, DC 20555

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LA. Department of Environmental Quality
Radiation Protection Division
P. 0. Box 82135
Baton Rouge, LA 70884-2135
Attn: Administrator

SUMMARY OF CHANGES TO REQUESTS FOR RELIEF

The following summarizes the final changes to the first ISI inspection interval requests for relief. Changes are marked on the associated request with revision bars in the right-hand margin. All submitted requests have been reformatted for consistency. Reformatting changes are not marked with revision bars. All indicated examinations were completed during the first interval.

Request for Relief RR1-0001, revision 4

1. Added new welds WCS001A3-FW011 XI and WCS001A3-SW002 XI
2. Listed the added welds and their respective examination percentages

Request for Relief RR1-0003, revision 3

1. Updated mark numbers to current format
2. Changed examination percentages for each DH-1 weld from 10 to 0 %. The original percentage was an estimate based on preservice inspection PT data. Pump bolting configuration prevents access to weld for PT prep or performance of MT examination.

Request for Relief RR1-0007, revision 5

1. Added reference for Item number B9.12
2. Corrected MSS line numbers 600 to 605 and 700 to 718
3. Added welds MSS-600A2-FWA04LA, MSS-700A2-FWB04LA, MSS-800A2-FWC04LA, and MSS-900A2-FWD04LA and their respective examination percentages

Request for Relief RR1-0008, revision 3

Revised examination percentages for RCS800B welds FWA06, FWA07, FWA08, FWA09, and FWA10 from 50 to 40 %. The original percentage was an estimate based on preservice inspection data. The actual coverage calculations are based on examination technique used and configuration limitations present.

Request for Relief RR1-0013, revision 4

Revised examination percentages for welds RCS900C-SW023ALC and RCS900C-SW024ALC from 30 to 25 %. The original percentage was an estimate based on preservice inspection data, and the new percentages are due to actual length of weld examined.

Request for Relief RR1-0017, revision 0

This new request for relief reflects the limitations posed by the nozzle-to-safe end configuration and the associated examination percentages obtained for B13-D001 welds N01A-2, N01B-2, N2A-2, N2B-2, N2C-2, N2D-2, N2E-2, N2F-2, N2G-2, N2H-2, N2J-2, N2K-2, N4B-2, N4C-2, N4D-2, N5A-2, N5B-2, N6A-2, N6B-2, N6C-2, N9A-2, and N9B-2.

COMPONENT

Pressure-retaining component welds:

ICS006A-SW001	MSS700A2-SW08H	MSS800A2-SW07L
ICS006A-SW002	MSS700A2-SW08J	MSS800A2-SW07M
ICS006A-SW003	MSS700A2-SW08K	MSS800A2-SW07N
ICS006A-SW004	MSS700A2-SW08L	MSS800A2-SW07P
ICS057B-FW004	MSS700A2-SW08M	MSS900A2-SW06F
MSS600A2-SW05E	MSS800A2-SW07J	MSS900A2-SW06G
MSS600A2-SW05F	MSS800A2-SW07K	MSS900A2-SW06H
WCS001A3-FW011XI	WCS001A3-SW002XI	

CODE

Fabrication: ASME Section III Code, Class 1 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWB-2500-1, Examination Category B-J:

Item Number B9.11	Volumetric and Surface
Item Number B9.31	Volumetric and Surface

INFORMATION TO SUPPORT THE DETERMINATION THAT CODE REQUIREMENT CANNOT BE MET

Due to the component configuration (see attached sketches), there is not a sufficient examination surface to perform a meaningful code required Volumetric (ultrasonic) examination. Only certain percentages, if any, can be obtained.

REASON WHY RELIEF SHOULD BE GRANTED

The component-to-component weld configuration causes some, if not all areas of examination to be made inaccessible for ultrasonic transducers to be placed in appropriate location. If welds require a mandatory selection for examination, then accessible areas will receive an ultrasonic examination and the entire weld will receive a Surface examination. Coverage percentages will be documented on the examination reports.

EXAMINABLE WELDS **SELECTED** FOR EXAMINATION:

System: ICS

Component	Mark Number	Configuration	%Exam	Sketch
B13-D020	ICS006A-SW001	Tee-to-Flange	0	1
B13-D020	ICS006A-SW002	Tee-to-Flange	25	1
B13-D020	ICS006A-SW003	Tee-to-Flange	50	1
B13-D020	ICS006A-SW004	Tee-to-Flange	25	1

System: WCS

Line No.	Mark Number	Configuration	%Exam	Sketch
004-001-1	WCS001A3-FW011XI	Pipe-to-Reducer	50	N/A
006-005-1	WCS001A3-SW002XI	Pipe-to-tee	73	N/A

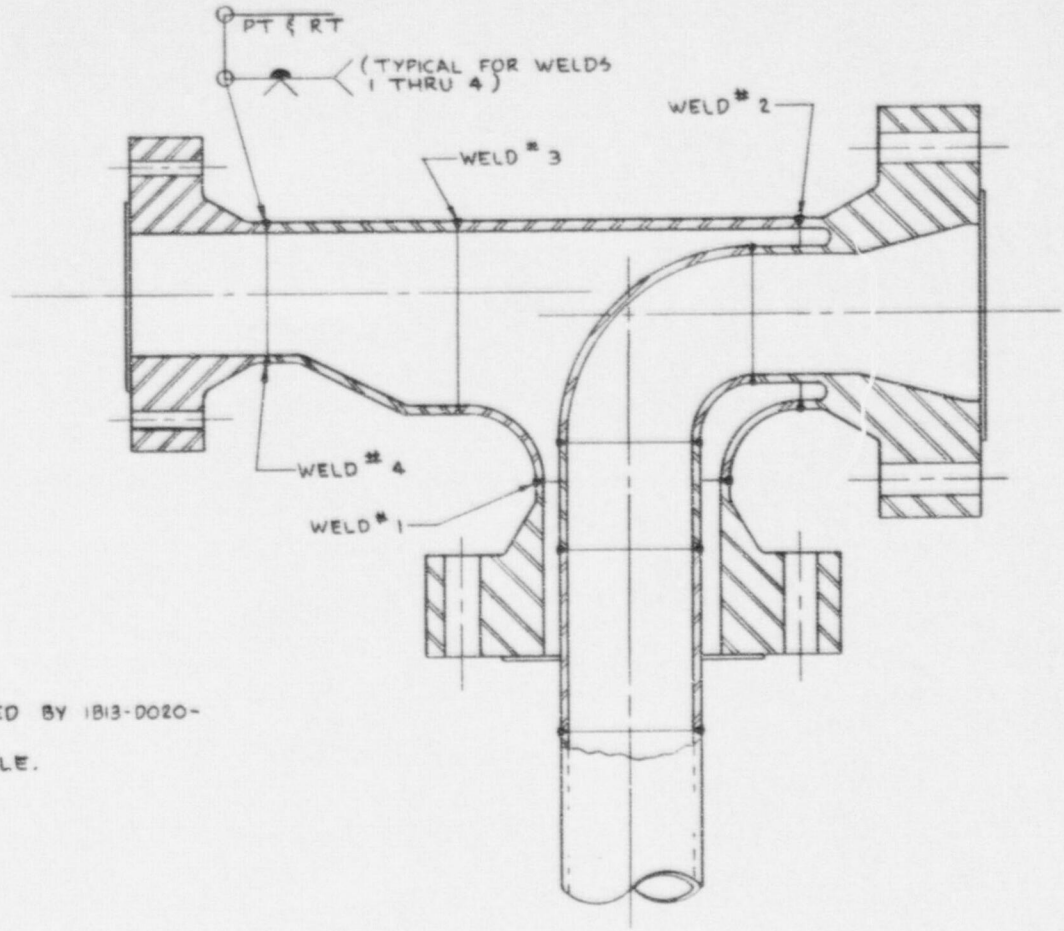
EXAMINABLE WELDS **NOT SELECTED** FOR EXAMINATION:

System: ICS

Line No.	Mark Number	Configuration	%Exam	Sketch
006-057-1	ICS057B-FW004	Pipe-to-Flange	0	2

System: MSS

Line No.	Mark Number	Configuration	%Exam	Sketch
024-600-1	MSS600A2-SW05E	Sweepolet-to-Flange	0	3
024-600-1	MSS600A2-SW05F	Sweepolet-to-Flange	0	3
024-700-1	MSS700A2-SW08H	Sweepolet-to-Flange	0	3
024-700-1	MSS700A2-SW08J	Sweepolet-to-Flange	0	3
024-700-1	MSS700A2-SW08K	Sweepolet-to-Flange	0	3
024-700-1	MSS700A2-SW08L	Sweepolet-to-Flange	0	3
024-700-1	MSS700A2-SW08M	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07J	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07K	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07L	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07M	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07N	Sweepolet-to-Flange	0	3
024-800-1	MSS800A2-SW07P	Sweepolet-to-Flange	0	3
024-900-1	MSS900A2-SW06F	Sweepolet-to-Flange	0	3
024-900-1	MSS900A2-SW06G	Sweepolet-to-Flange	0	3
024-900-1	MSS900A2-SW06H	Sweepolet-to-Flange	0	3

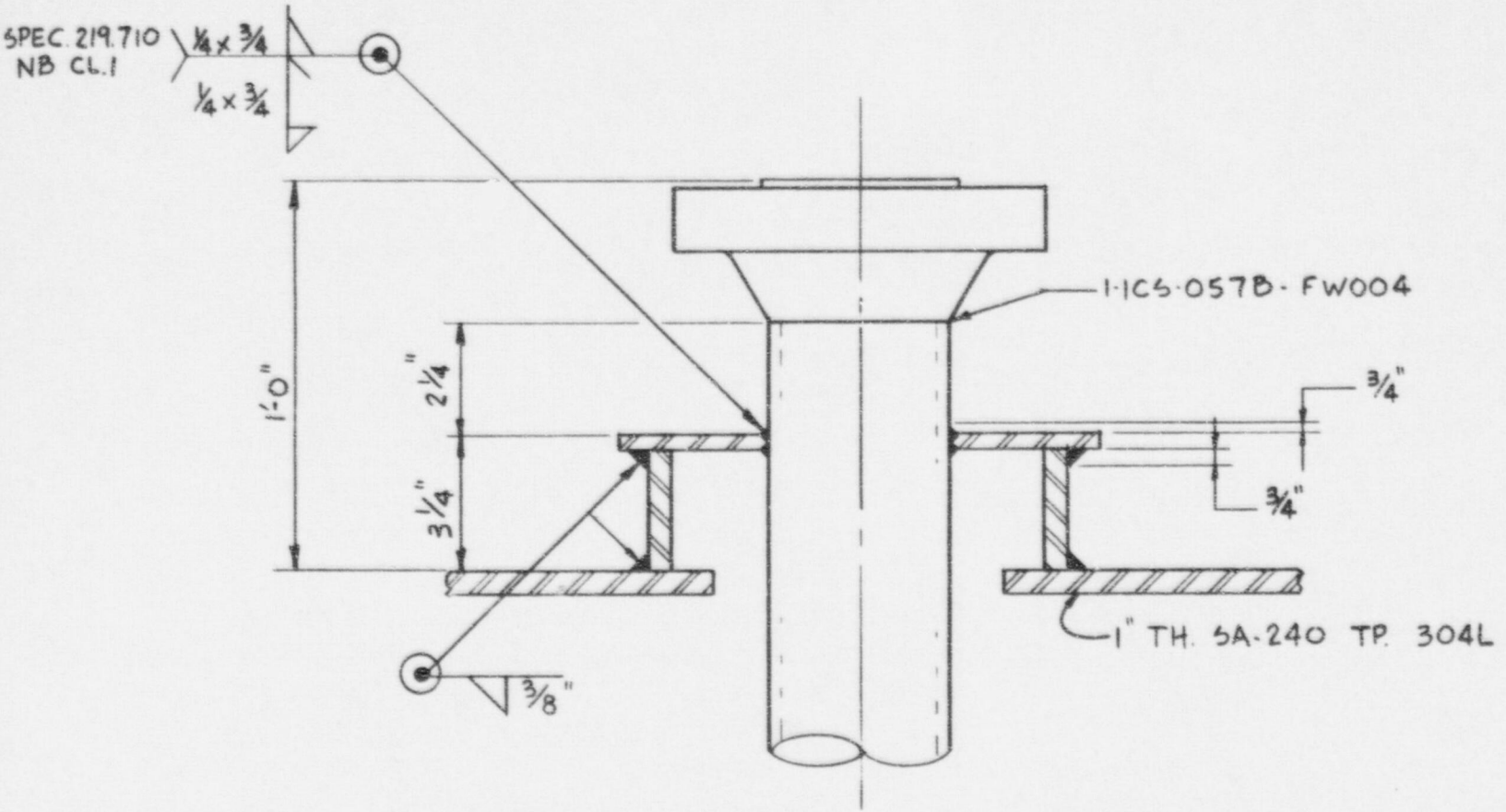


RPV VENT & HEAD SPRAY ASSY.

NOTES:

1. ALL WELDS TO BE PREFIXED BY 1B13-D020-
2. REF. G.E. DWG. 105D5159
3. THIS DWG. IS NOT TO SCALE.

				DWG. NO. RBS-ISI-033		VENT & HEAD SPRAY ASSY.
REV.: 1	DATE: 2-17-86	DRAWN: CAG	CHK'D: JWL	APPR.: [illegible]	DATE: [illegible]	WELD MAP



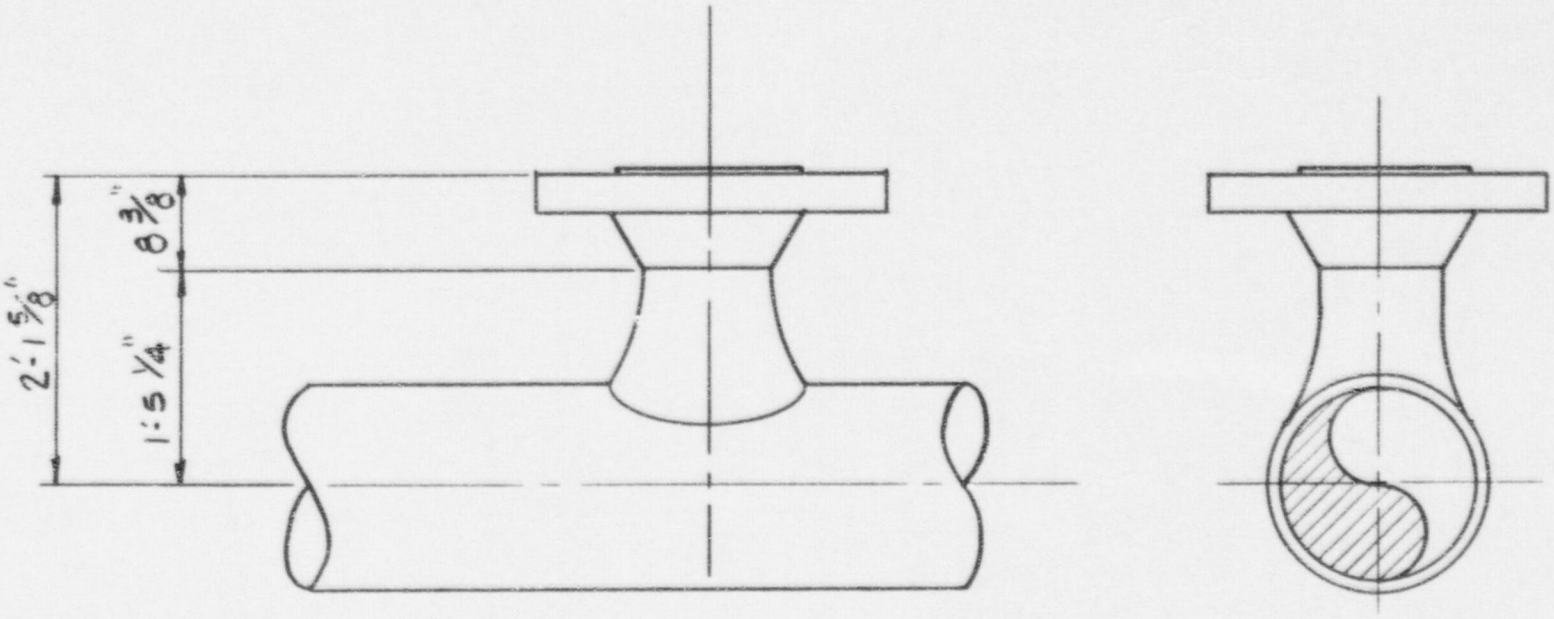
INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0001

REVISION 04
DATE: 11/30/98

REV	DATE	DESCRIPTION	DRWN.	CHK'D	APPR.	DATE
1	2-19-86	NEW ISSUE	CAG	JWL	JBB	5/29/86

LINE 1-ICS-006-057-1 FROM DRYWELL TO UPPER FUEL POOL - PIPE TO FLANGE

DWG. NO. RBS-ISI-034



INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0001

REVISION 04
DATE: 11/30/98

REV	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE	DWG. NO.
1	2-19-86	NEW ISSUE	CAG	JWL	JBB	5/29/86	RBS-ISI-035

SWEEP-O-LET TO FLANGE

COMPONENT

Pump housing encasement welds for the following pumps:

SYSTEM	MARK NO.	SKETCH
High Pressure Core Spray (CSH)	E22-PC001	1,2
Low Pressure Core Spray (CSL)	E21-PC001	3,4
Residual Heat Removal (RHS)	E12-PC002A	5,6

CODE

Fabrication: ASME Section III Code, Class 2 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWC-2500-1, Examination Category C-G, Item C6.10.

INFORMATION TO SUPPORT THE DETERMINATION THAT THE CODE REQUIREMENT CANNOT BE MET

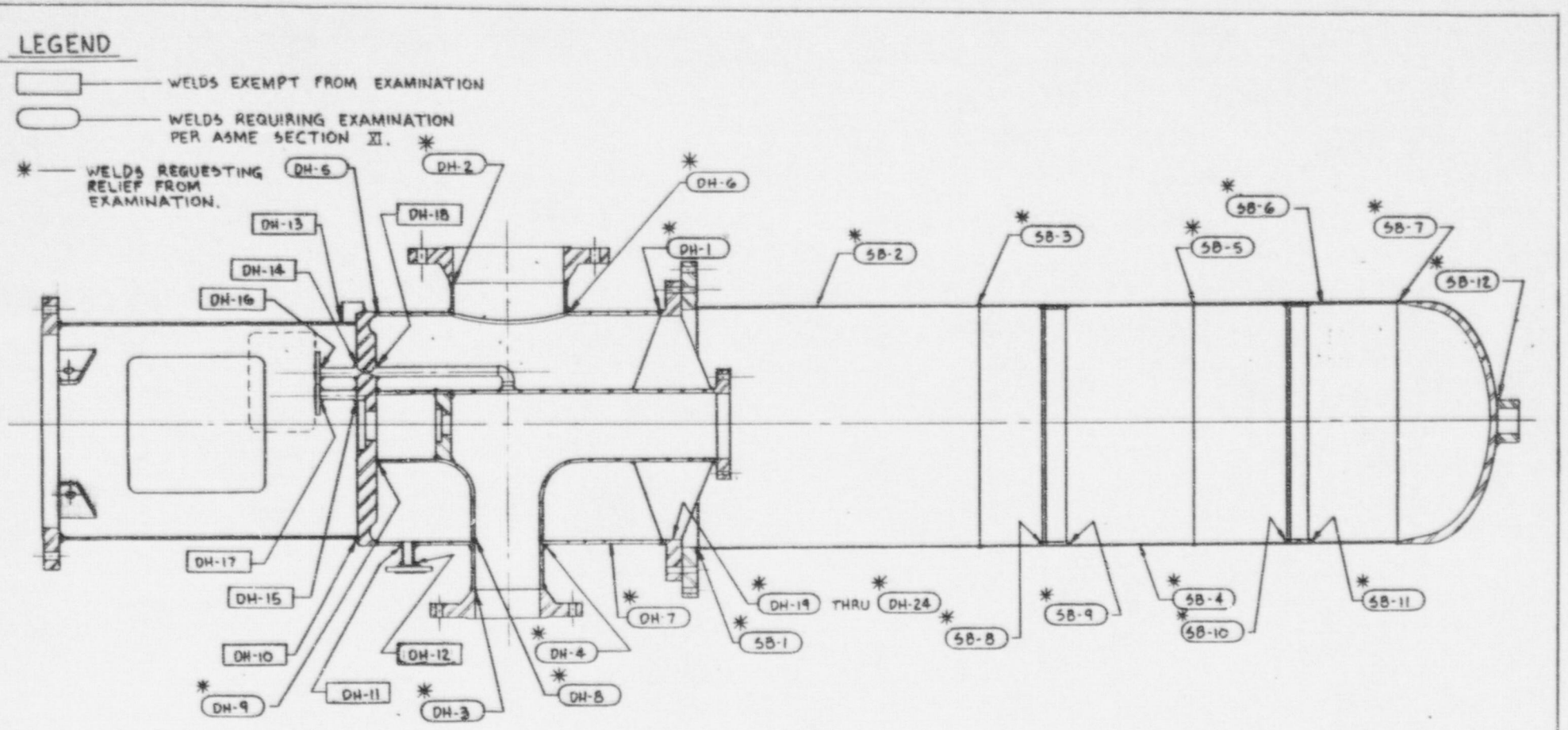
Due to close proximity of adjacent structures, there is no access to welds located behind flanges (bolting interference) and welds located behind "RHS" pump heat exchangers. Pump casing welds are inaccessible due to concrete encasement. Examination of required welds would require complete disassembly of pumps. If the pump is disassembled for normal maintenance, examination of welds will be performed at that time.

REASON WHY RELIEF SHOULD BE GRANTED

Request for exemption from inservice inspection of pump housing encasement welds on the "CSH", "CSL" and "RHS" pumps.

1. The failure of these welds, thus leading to the failure of the pump, would have no adverse affect on plant safety as redundant ECCS system trains are provided.

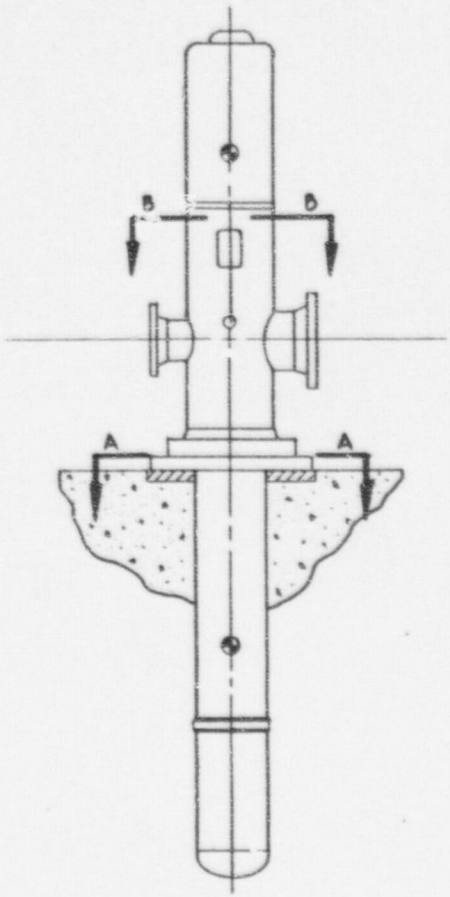
Component	Weld	%Exam	Sketch
E22-PC001	DH-01	0	3
" "	DH-02	20	3
" "	DH-03	20	3
" "	DH-04	20	3
" "	DH-05	20	3
" "	DH-06	20	3
" "	DH-07	80	3
" "	DH-08	0	3
" "	DH-09	0	3
" "	DH-19	0	3
" "	DH-20	0	3
" "	DH-21	0	3
" "	DH-22	0	3
" "	DH-23	0	3
" "	DH-24	0	3
E21-PC001	DH-01	0	3
" "	DH-02	20	3
" "	DH-03	20	3
" "	DH-04	20	3
" "	DH-05	20	3
" "	DH-06	20	3
" "	DH-07	80	3
" "	DH-08	0	3
" "	DH-09	0	3
" "	DH-19	0	3
" "	DH-20	0	3
" "	DH-21	0	3
" "	DH-22	0	3
" "	DH-23	0	3
" "	DH-24	0	3
E12-PC001	DH-01	0	3
" "	DH-02	20	3
" "	DH-03	20	3
" "	DH-04	20	3
" "	DH-05	20	3
" "	DH-06	20	3
" "	DH-07	80	3
" "	DH-08	0	3
" "	DH-09	0	3
" "	DH-19	0	3
" "	DH-20	0	3
" "	DH-21	0	3
" "	DH-22	0	3
" "	DH-23	0	3
" "	DH-24	0	3

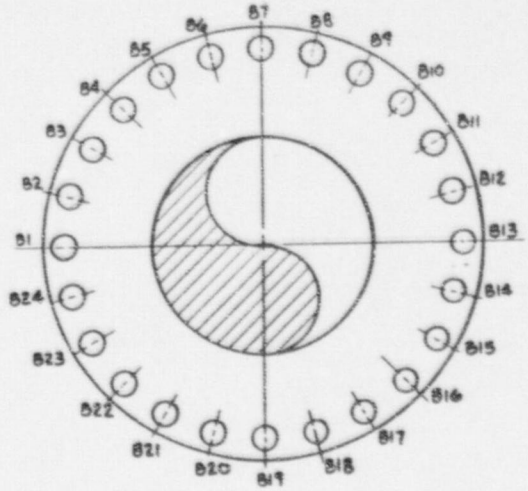


NOTES:

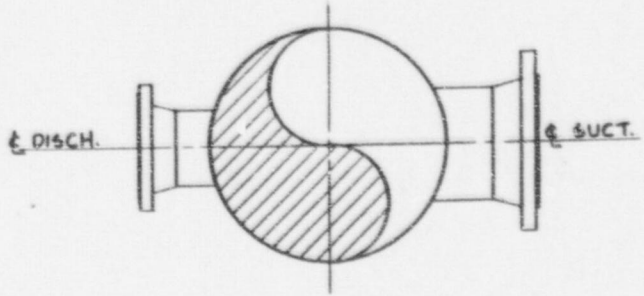
1. ALL WELDS TO BE PREFIXED BY CSH-P-01
2. REF. DWG. 2C-5330 BY BORG-WARNER CORP.
3. THIS DWG. IS NOT TO SCALE.

				DWG. NO. RBS-ISI-004		I-CSH-1-E22*PC001
REV.: 1	DATE: 5-13-85	DRAWN: CAG	CHK'D: JSW	APPR: JBR	DATE: 5-15-85	WELD MAP DISCHARGE HEAD & SUCTION BARREL





SECTION "A-A"

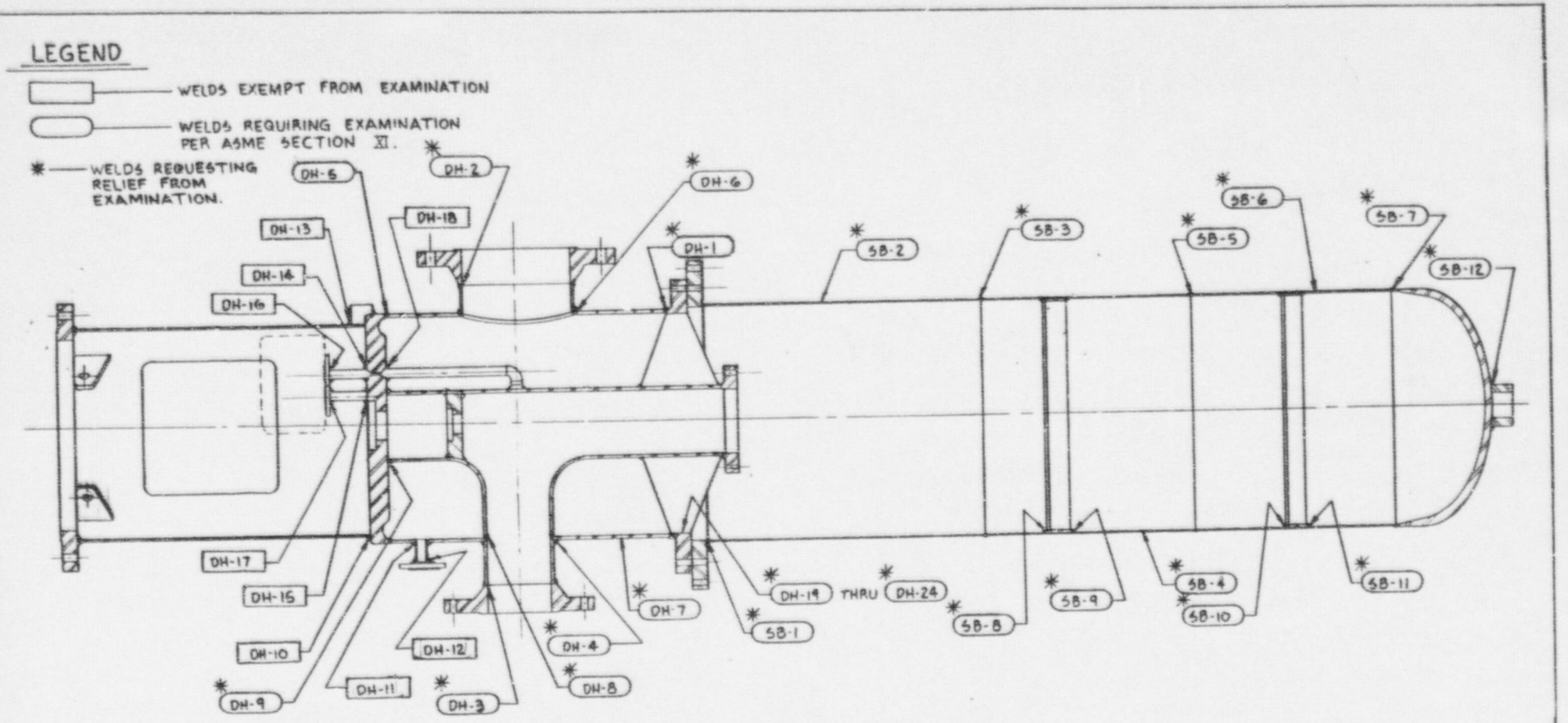


SECTION "B-B"

NOTES:

1. THE BOLTING SEQUENCE BEGINS WITH THE BOLT PARALLEL TO THE DISCH. NOZZLE.
2. REF. DWG. NO. 2C-5308 BY G.E.
3. THIS DWG. IS NOT TO SCALE.

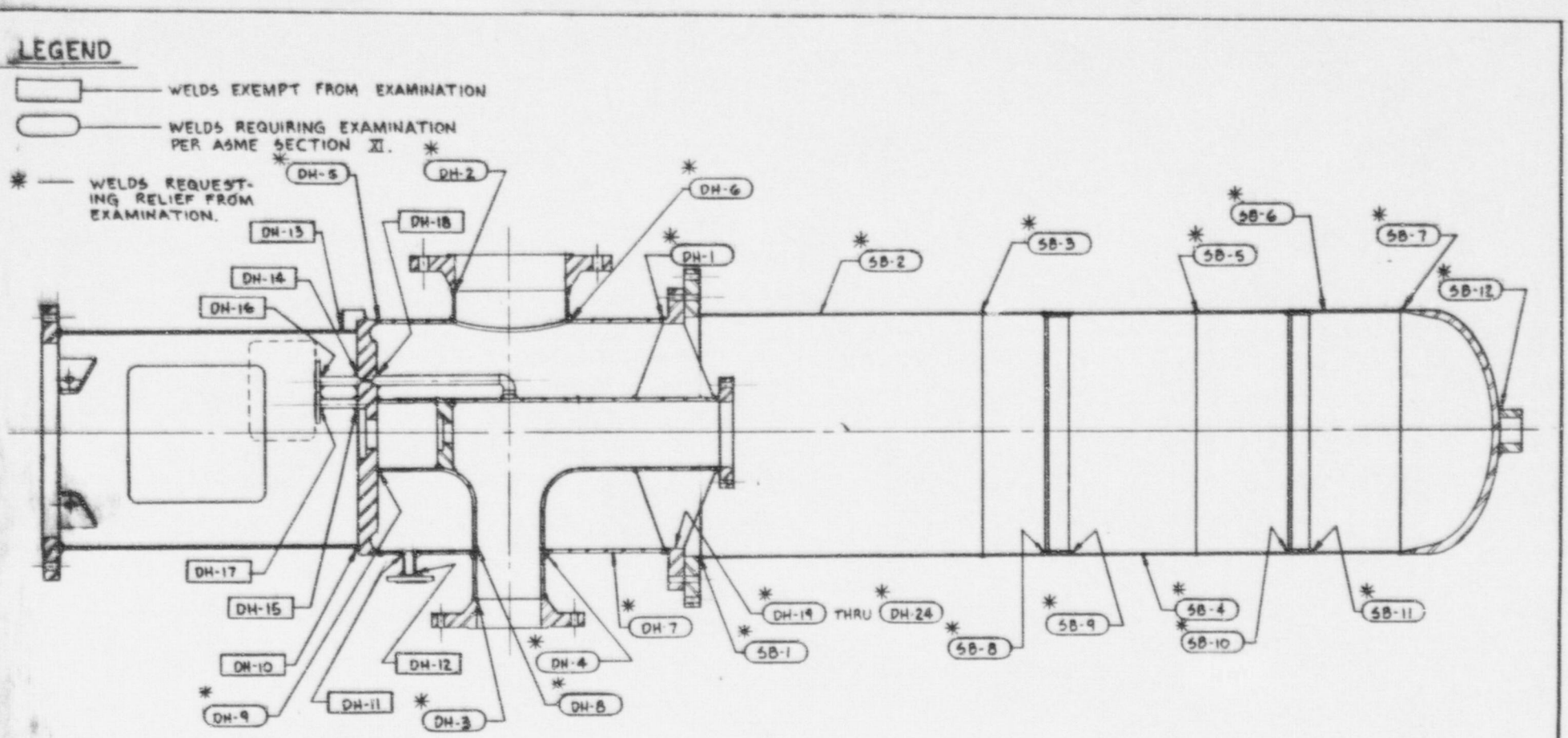
REV.: 1	DATE: 5-24-85	DRAWN: CAG	CHK'D: MH	DWG. NO. RBS-ISI-009	APPR: [illegible]	DATE: 5-24-85	1-CSH-1-E22*PC001 BOLTING ARRANGEMENT



NOTES:

1. ALL WELDS TO BE PREFIXED BY CSL-P-01
2. REF. DWG. 2C-5330 BY BORG-WARNER CORP.
3. THIS DWG. IS NOT TO SCALE.

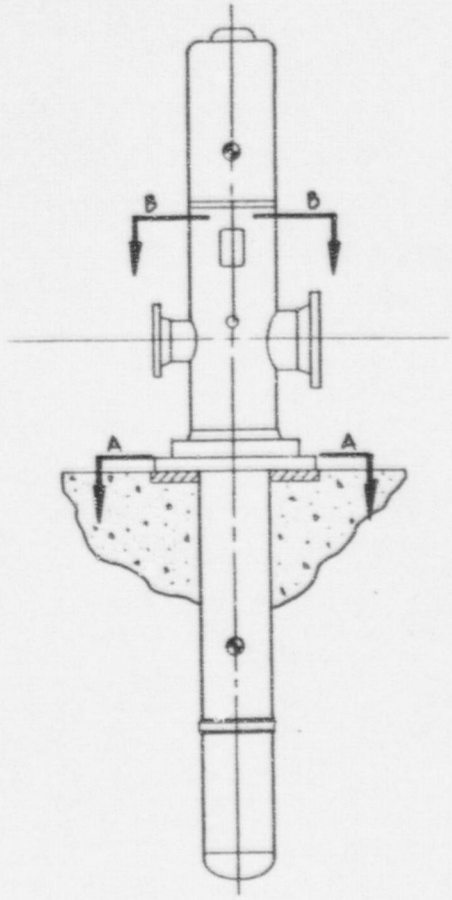
				DWG. NO. RBS-ISI-005		I-CSL-1-E21*PC001
REV.: 1	DATE: 5-13-85	DRAWN: CAG	CHK'D: TSW	APPR: JBB	DATE: 5-13-85	WELD MAP DISCHARGE HEAD & SUCTION BARREL

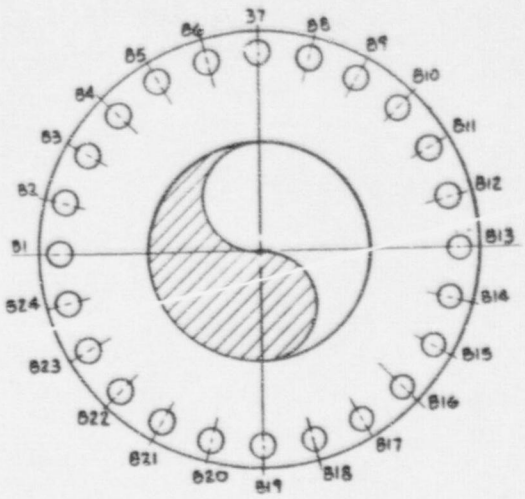


NOTES:

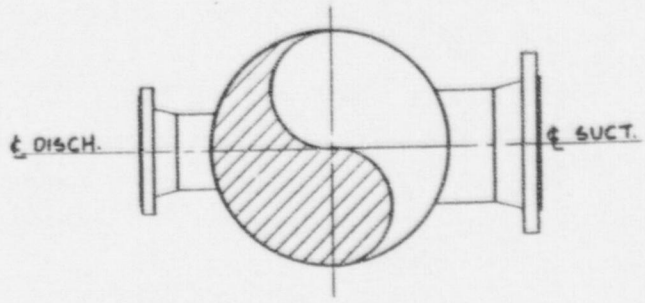
1. ALL WELDS TO BE PREFIXED BY RHS-P-02A
2. REF. DWG. 2C-5330 BY BORG-WARNER CORP.
3. THIS DWG. IS NOT TO SCALE.

				DWG. NO. RBS-ISI-001		I-RHS-1-E12*PC002-A
REV: 1	DATE: 5-13-85	DRAWN: CAG	CHK'D: JSW	APPR.: JDB	DATE: [illegible]	WELD MAP DISCHARGE HEAD & SUCTION BARREL





SECTION "A-A"

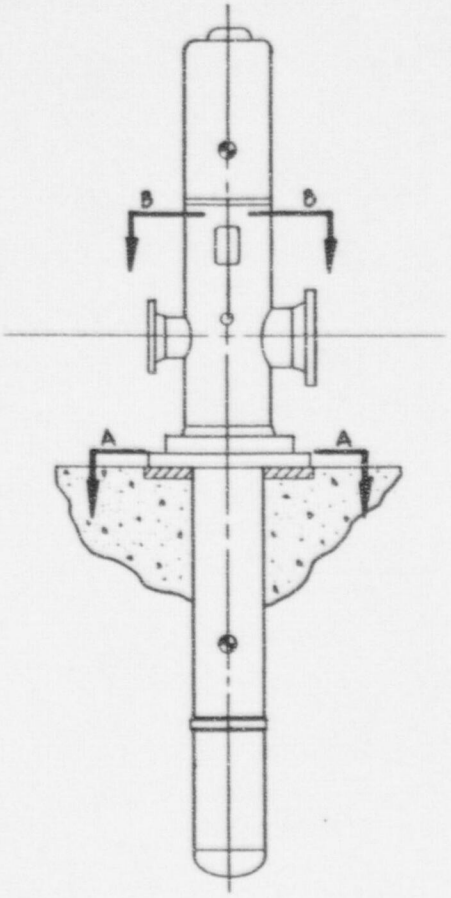


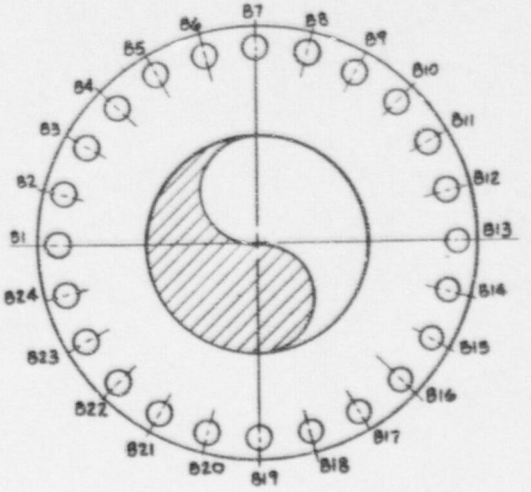
SECTION "B-B"

NOTES:

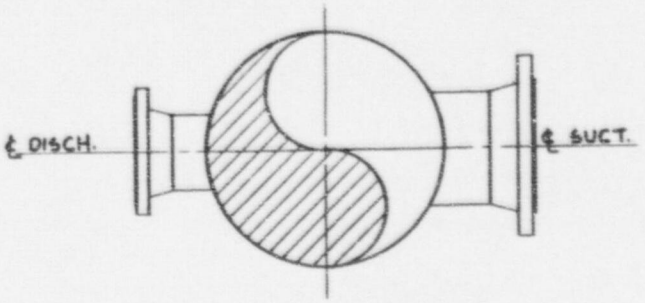
1. THE BOLTING SEQUENCE BEGINS WITH THE BOLT PARALLEL TO THE DISCH. NOZZLE.
2. REF. DWG. NO. 2C-5308 BY G.E.
3. THIS DWG. IS NOT TO SCALE.

REV.: 1	DATE: 5-24-85	DRAWN: CAG	CHK'D: [illegible]	APPR [illegible]	DATE: [illegible]	DWG. NO. RBS-ISI-008
						1-RHS-1-E12*PC002-A
						BOLTING ARRANGEMENT





SECTION "A-A"



SECTION "B-B"

NOTES:

1. THE BOLTING SEQUENCE BEGINS WITH THE BOLT PARALLEL TO THE DISCH. NOZZLE.
2. REF. DWG. NO. 2C-5308 BY G.E.
3. THIS DWG. IS NOT TO SCALE.

REV.: 1	DATE: 5-24-85	DRAWN: CAG	CHK'D: [illegible]	DWG. NO. RBS-ISI-010	APPR: [illegible]	DATE: 5-24-85	1-CSL-1-E21*PC001 BOLTING ARRANGEMENT

COMPONENT

Pressure retaining piping welds (See attached listings).

CODE

Fabrication: ASME Section III Code, Class 1 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWB-2500-1, Examination Category B-J, Item B9.11 and B9.12

INFORMATION TO SUPPORT THE DETERMINATION THAT THE CODE REQUIREMENT CANNOT BE MET

Due to location of integral attachments, branch connections, and code plates, required area of examination cannot be examined. The accessible portion of the weld will be examined in accordance with ASME Section XI.

REASON WHY RELIEF SHOULD BE GRANTED

Welds will be surface examined in accordance with ASME Code Section XI, Class 1 requirements.

System: MSS

Line No.	Weld No.	Restriction/ and Location	% Exam
MSS-024-605-1	MSS-600A2-FWA04LA	Lug 9.0" from Circ. weld	65
MSS-024-605-1	MSS-600A2-FWA04LB	Lug 9.0" from Circ. weld	65
MSS-024-605-1	MSS-600A2-SW05BLA	Lug 8.5" from Circ. weld	65
MSS-024-605-1	MSS-600A2-SW05BLB	Lug 9.0" from Circ. weld	75
MSS-024-718-1	MSS-700A2-FWB04LA	Lug 9.0" from Circ. weld	75
MSS-024-718-1	MSS-700A2-FWB04LB	Lug 9.0" from Circ. weld	75
MSS-024-718-1	MSS-700A2-SW08BLA	Lug 8.25" from Circ. weld	70
MSS-024-718-1	MSS-700A2-SW08BLB	Lug 8.5" from Circ. weld	60
MSS-024-818-1	MSS-800A2-FWC04LA	Lug 10.0" from Circ. weld	83
MSS-024-818-1	MSS-800A2-FWC04LB	Lug 10.0" from Circ. weld	83
MSS-024-906-1	MSS-900A2-FWD04LA	Lug 10.0" from Circ. weld	83
MSS-024-906-1	MSS-900A2-FWD04LB	Lug 10.0" from Circ. weld	83

System: RCS

Line No.	Weld No.	Restriction/ and Location	% Exam
RCS-020-80A-1	RCS-800B-FWA06	Branch connection 12.0" to 16.0" clockwise from V-stamp	40
RCS-020-80A-1	RCS-800B-SW07ABLA	I.D. tag 8.0" from Circ. weld	75
RCS-010-80C-1	RCS-800CX-SW017BLA	I.D. tag 12.25" from Circ. weld	75
RCS-010-80D-1	RCS-800CX-SW018BLA	I.D. tag 8.5" from Circ. weld	90
RCS-010-80E-1	RCS-800CX-SW011ABLA	I.D. tag 10.0" from Circ. weld	85
RCS-010-80F-1	RCS-800CX-SW019BLA	I.D. tag 9.75" from Circ. weld	90
RCS-010-80G-1	RCS-800CX-SW020BLA	I.D. tag 10.5" from Circ. weld	90
RCS-010-90C-1	RCS-900CX-SW021BLA	I.D. tag 10.75" from Circ. weld	90
RCS-010-90D-1	RCS-900CX-SW022BLA	I.D. tag 11.0" from Circ. weld	90
RCS-010-90E-1	RCS-900CX-SW011BBLA	I.D. tag 9.5" from Circ. weld	85
RCS-010-90F-1	RCS-900CX-SW023BLA	I.D. tag 12.75" from Circ. weld	90
RCS-010-90G-1	RCS-900CX-SW024BLA	I.D. tag 9.5" from Circ. weld	90
RCS-020-800-1	RCS-800A-SW002ABLA	I.D. tag 9.75" from Circ. weld	85
RCS-020-800-1	RCS-800A-FWA04LA	Branch connection 2.5" from Circ. weld	75
RCS-020-900-1	RCS-900A-SW002BBLA	I.D. tag 9.0" from Circ. weld	85
RCS-020-900-1	RCS-900A-SW004BBLC	Branch connection 11.0" from Circ. weld	80
RCS-020-900-1	RCS*900A-SW004BCLA	I.D. tag 9.5" from Circ. weld	85
RCS-020-900-1	RCS-900A-SW05BALA	I.D. tag 9.0" from Circ. weld	65
RCS-020-80A-1	RCS-800B-SW07ABLA	I.D. tag 12.0" from Circ. weld	65

COMPONENT

Pressure retaining piping welds (See attached listings).

CODE

Fabrication: ASME Section III Code, Class 1 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWB-2500-1, Examination Category B-J, Item B9.11

INFORMATION TO SUPPORT THE DETERMINATION THAT THE CODE REQUIREMENT CANNOT BE MET

A) Due to component weld configuration, the code required volumetric examination can only be performed by Ultrasonic Testing using the V and 1/2 technique from one side of the weld area.

B) Due to weld overlay conditions and using the V and 1/2 technique, a 100% code required examination is not obtainable in the weld exam area.

1) Thickness of pipe plus thickness of overlay and configuration of overlay in weld area.

2) Attenuation of sound waves through overlay thickness, through pipe wall thickness and varying weld configuration.

REASON WHY RELIEF SHOULD BE GRANTED

Weld will be surface examined in accordance with ASME Code Section XI, Class 1 requirements.

Information to support Part "A":

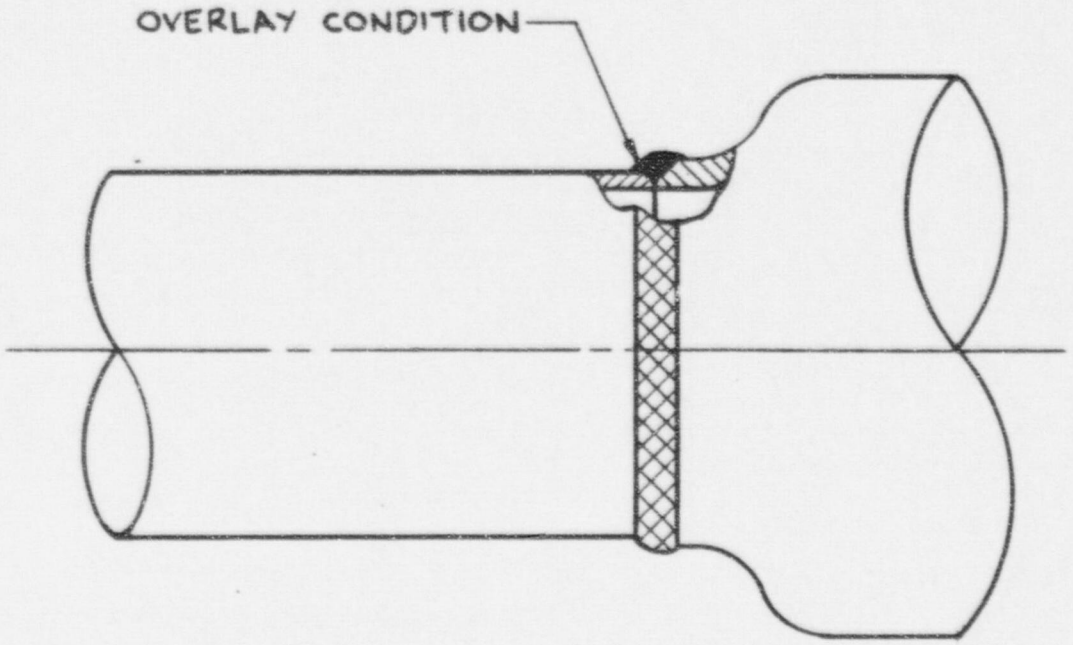
System: RCS

Line No.	Mark Number	Configuration	%Exam	Sketch
020-80A-1	RCS-800B-FWA06	Pipe-to-Pump	40	1
020-80A-1	RCS-800B-FWA07	Pipe-to-Valve	40	2
020-80A-1	RCS-800B-FWA08	Pipe-to-Valve	40	2
020-80A-1	RCS-800B-FWA09	Pipe-to-Valve	40	2
020-80A-1	RCS-800B-FWA10	Pipe-to-Valve	40	2
020-80A-1	RCS-800B-FWA11	Pipe-to-Tee	50	4
020-80A-1	RCS-800CX-SW013CA	Reducer-to-Tee	50	4
016-80B-1	RCS-800CX-SW013A	Pipe-to-Tee	50	3
016-80B-1	RCS-800CX-SW013B	Pipe-to-Tee	50	3
016-80B-1	RCS-800CX-SW013AB	Pipe-to-Sweepolet	50	5
016-80B-1	RCS-800CX-SW013AC	Pipe-to-Sweepolet	50	5
016-80B-1	RCS-800CX-SW013BB	Pipe-to-Sweepolet	50	5
016-80B-1	RCS-800CX-SW013BC	Pipe-to-Sweepolet	50	5
010-80C-1	RCS-800C-FWA12	Pipe-to-Sweepolet	50	5
010-80C-1	RCS-800C-FWA17	Pipe-to-Nozzle	50	6
010-80D-1	RCS-800C-FWA13	Pipe-to-Sweepolet	50	5
010-80D-1	RCS-800C-FWA18	Pipe-to-Nozzle	50	6
010-80E-1	RCS-800C-FWA19	Pipe-to-Nozzle	50	6
010-80F-1	RCS-800C-FWA15	Pipe-to-Sweepolet	50	5
010-80F-1	RCS-800C-FWA20	Pipe-to-Nozzle	50	6
010-80G-1	RCS-800C-FWA16	Pipe-to-Sweepolet	50	5
010-80G-1	RCS-800C-FWA21	Pipe-to-Nozzle	50	6
020-90A-1	RCS-900B-FWB06	Pipe-to-Pump	50	1
020-90A-1	RCS-900B-FWB07	Pipe-to-Valve	50	2
020-90A-1	RCS-900B-FWB08	Pipe-to-Valve	50	2
020-90A-1	RCS-900B-FWB09	Pipe-to-Valve	50	2
020-90A-1	RCS-900B-FWB10	Pipe-to-Valve	50	2
020-90A-1	RCS-900C-FWB11	Pipe-to-Tee	50	4
020-90A-1	RCS-900CX-SW014CA	Reducer-to-Tee	50	4
016-90B-1	RCS-900CX-SW014A	Pipe-to-Sweepolet	50	5
016-90B-1	RCS-900CX-SW014B	Pipe-to-Sweepolet	50	5
016-90B-1	RCS-900CX-SW014AB	Pipe-to-Sweepolet	50	5
016-90B-1	RCS-900CX-SW014AC	Pipe-to-Sweepolet	50	5
010-90B-1	RCS-900CX-SW014BC	Pipe-to-Sweepolet	50	5
010-90B-1	RCS-900CX-SW014CB	Pipe-to-Sweepolet	50	5
010-90C-1	RCS-900C-FWB12	Pipe-to-Sweepolet	50	5
010-90C-1	RCS-900C-FWB17	Pipe-to-Nozzle	50	6
010-90D-1	RCS-900C-FWB13	Pipe-to-Sweepolet	50	5

Line No.	Mark Number	Configuration	%Exam	Sketch
010-90D-1	RCS-900C-FWB18	Pipe-to-Nozzle	50	6
010-90E-1	RCS-900C-FWB19	Pipe-to-Nozzle	50	6
010-90F-1	RCS-900C-FWB15	Pipe-to-Sweepolet	50	5
010-90F-1	RCS-900C-FWB20	Pipe-to-Nozzle	50	6
010-90G-1	RCS-900C-FWB16	Pipe-to-Sweepolet	50	5
010-90G-1	RCS-900C-FWB21	Pipe-to-Nozzle	50	6
020-800-1	RCS-800A-FWA01	Pipe-to-Nozzle	50	6
020-800-1	RCS-800A-FWA03	Pipe-to-Valve	50	2
020-800-1	RCS-800A-FWA04	Pipe-to-Valve	50	2
020-800-1	RCS-800A-FWA05	Pipe-to-Pump	50	1
020-900-1	RCS-900A-FWB01	Pipe-to-Nozzle	50	6
020-900-1	RCS-900A-FWB03	Pipe-to-Valve	50	2
020-900-1	RCS-900A-FWB04	Pipe-to-Valve	50	2
020-900-1	RCS-900A-FWB05	Pipe-to-Pump	50	1
020-900-1	RCS-900A-SW004BA	Pipe-to-Tee	50	3
020-900-1	RCS-900A-SW004BC	Pipe-to-Tee	50	3

Information to support Part "B":

Line No.	Mark Number	Configuration	%Exam	Sketch
020-800-1	RCS-800A-FWA04	Pipe-to-Valve	50	2
020-800-1	RCS-800A-SW005AA	Pipe-to-Elbow	50	7
020-90A-1	RCS-900B-FWB06	Pipe-to-Pump	50	1
020-90A-1	RCS-900B-FWB07	Pipe-to-Valve	50	2
020-90A-1	RCS-900B-FWB08	Pipe-to-Valve	50	2
020-900-1	RCS-900A-FWB04	Pipe-to-Valve	50	2
020-900-1	RCS-900A-SW005BA	Pipe-to-Elbow	50	7



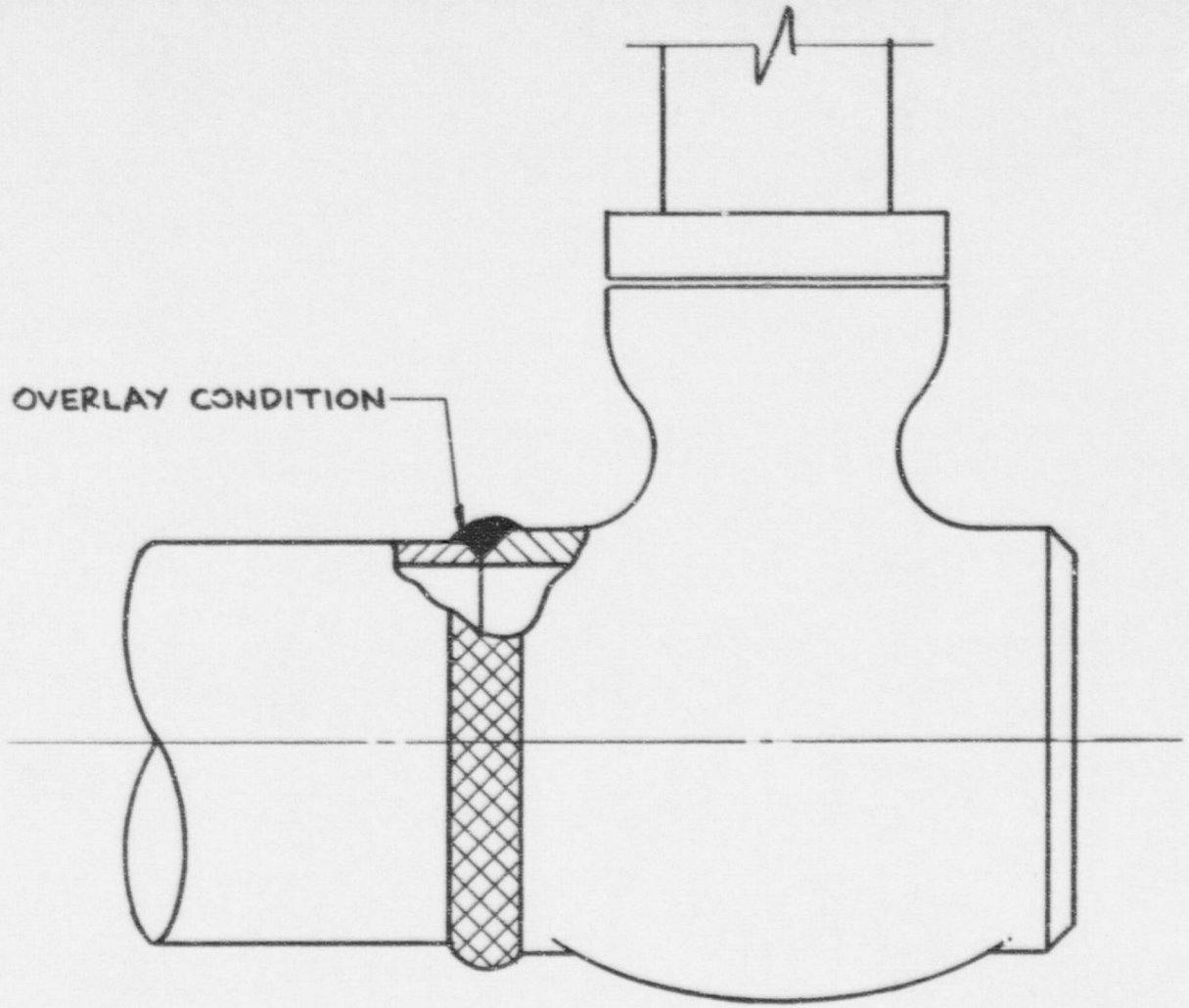
INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0008

REVISION 03
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-86	NEW ISSUE	CAG	JWL	JBB	5/29/86

PIPE TO PUMP

DWG. NO. RBS-ISI-049



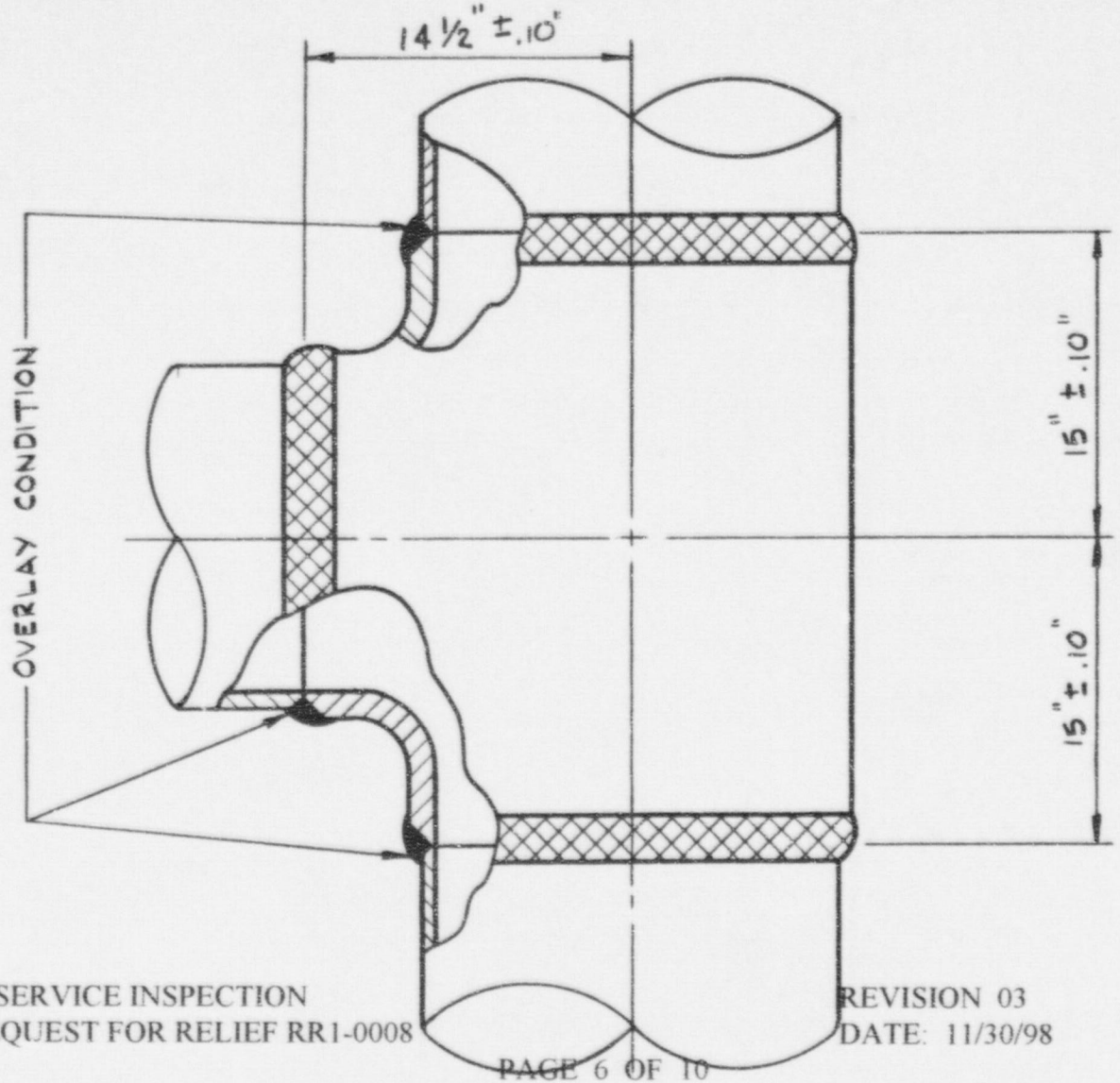
INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0008

REVISION 03
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-86	NEW ISSUE	CAG	JWL	JBB	5/29/86

PIPE TO VALVE

DWG. NO. RBS-ISI-048



INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0008

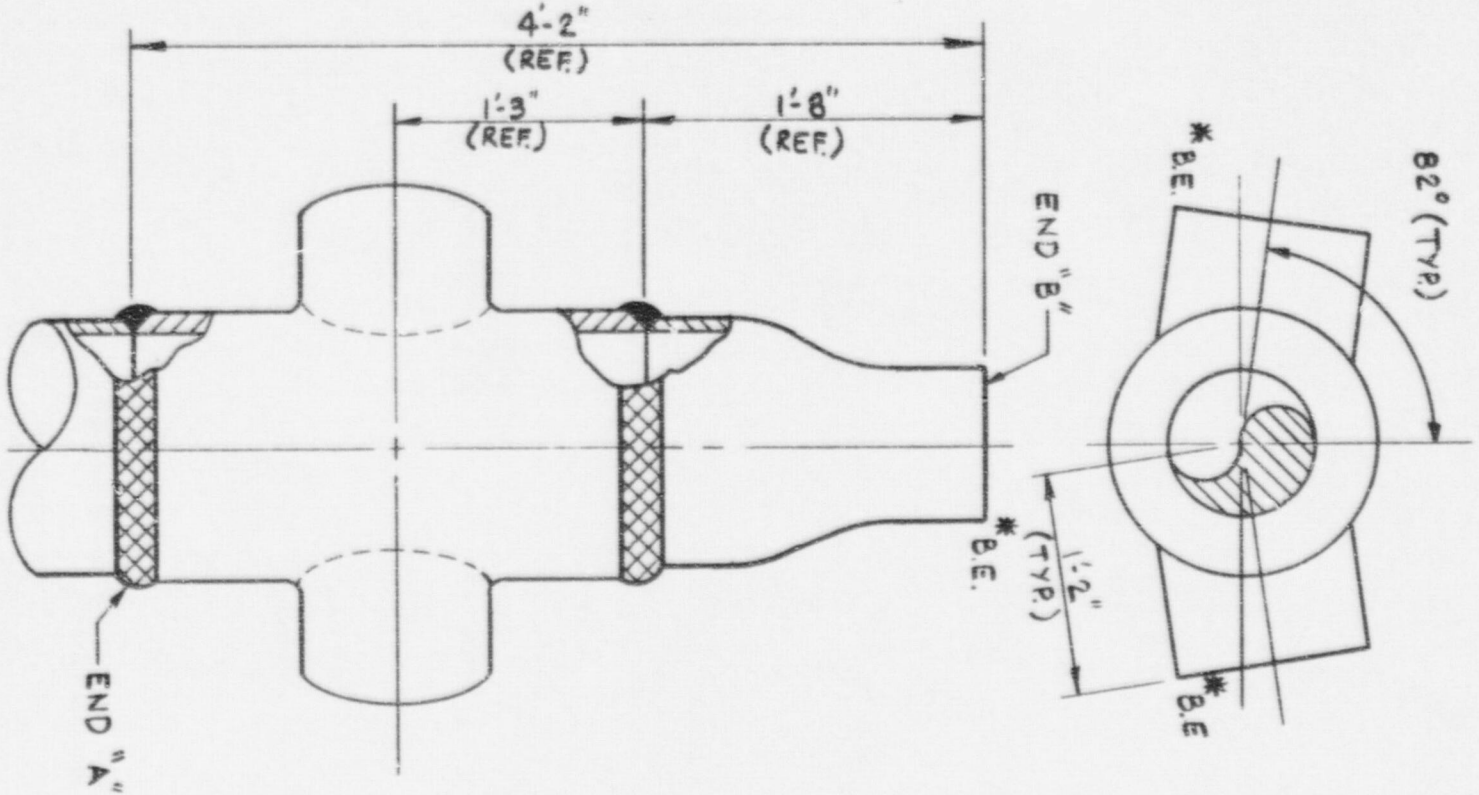
REVISION 03
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-86	NEW ISSUE	CAG	JWL	JBB	5/29/86

PIPE TO TEE

DWG. NO. RBS-ISI-047

* BEVEL END

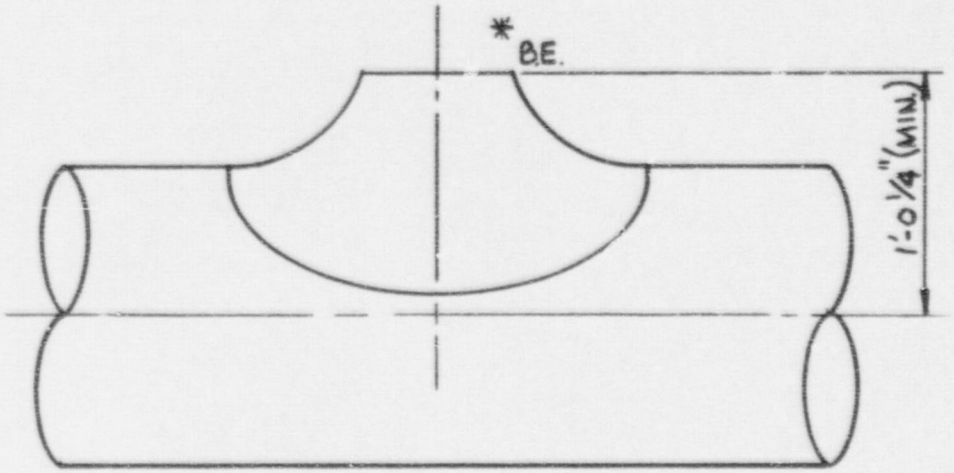


REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-96	NEW ISSUE	CAG	JWL	JBB	5/09/96

REDUCER TO TEE & PIPE TO TEE

DWG. NO. RBS-151-046

*BEVEL END



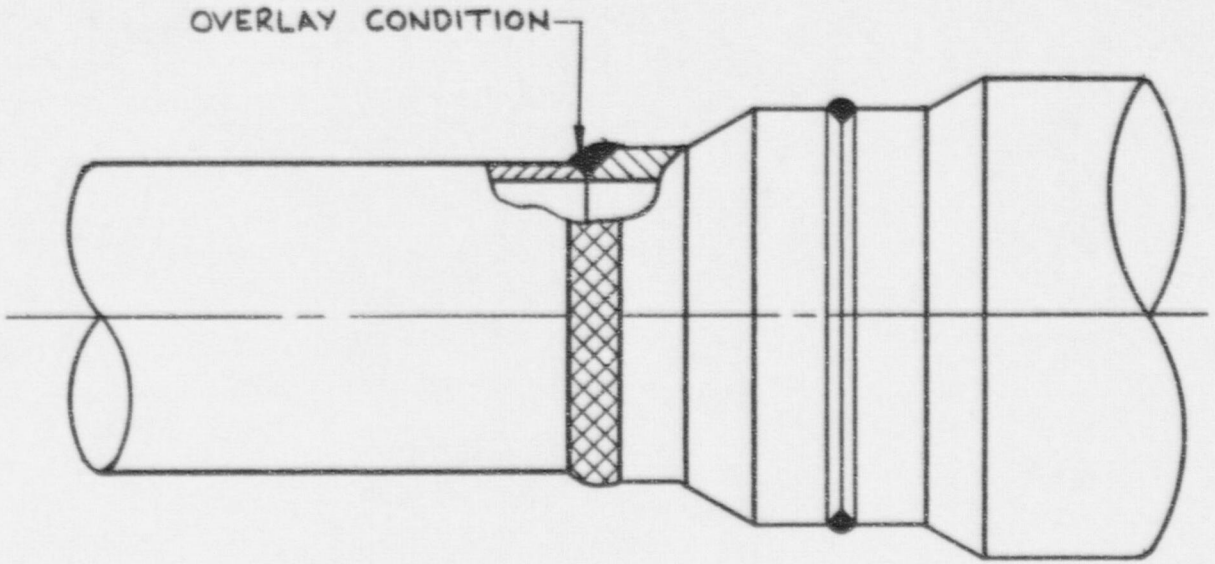
INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0008

REVISION 03
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-86	NEW ISSUE	CAG	JWL	JBB	5/29/86

SWEEP-O-LET TO PIPE

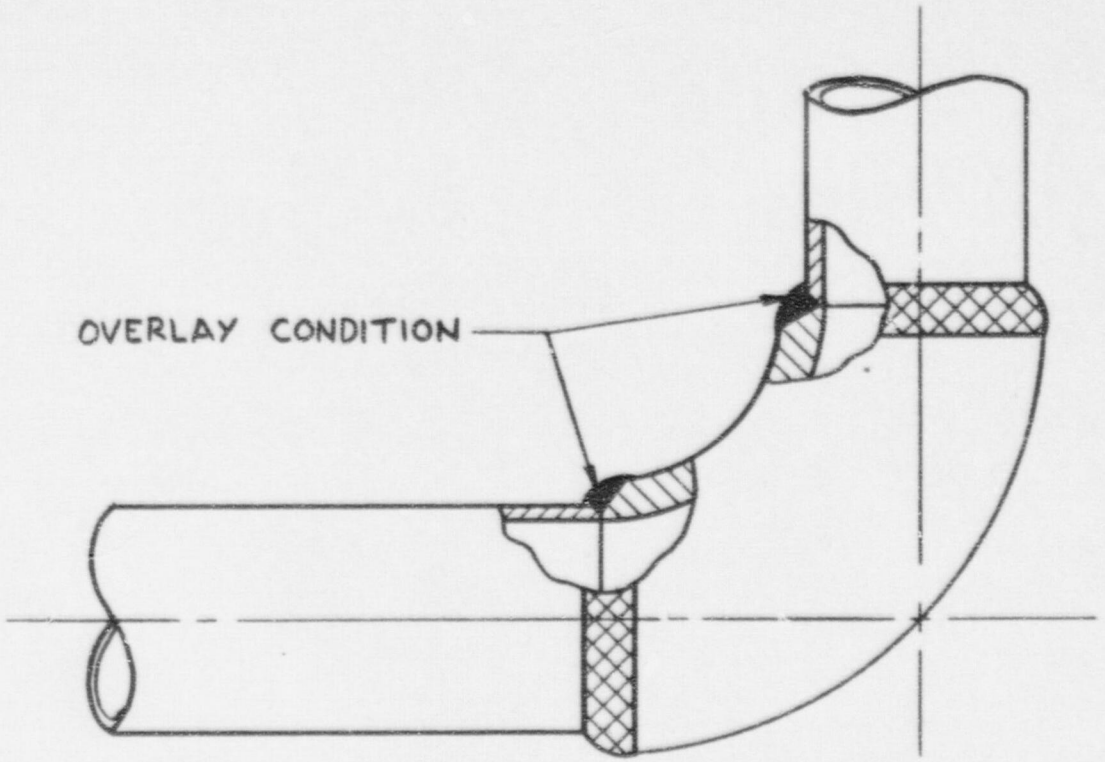
DWG. NO. RBS-ISI-045



REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE
1	2-20-86	NEW ISSUE	CAG	JWL	JRB	5/29/86

PIPE TO NOZZLE

DWG. NO. RBS-ISI-044



REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR.	DATE	DWG. NO.
1	2-20-86	NEW ISSUE	CAG	JWL	JBB	5/29/86	RBS-ISI-050

PIPE TO ELBOW

COMPONENT

Pressure retaining piping welds (See attached listings).

CODE

Fabrication: ASME Section III Code, Class 1 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWB-2500-1, Examination Category B-J, Item B9.11 and B9.12

INFORMATION TO SUPPORT THE DETERMINATION THAT THE CODE REQUIREMENT CANNOT BE MET

Due to the installation of radiation sheilding plugs the required area of examination cannot be examined. The accessible portion of the weld will be examined in accordance with Section XI requirements.

REASON WHY RELIEF SHOULD BE GRANTED

1. Weld has been surface examined in accordance with ASME Code Section XI, Class 1 requirements during preservice inspection.
2. Accessible portion(s) of weld will be Surface and Volumetric examined in accordance with ASME Section XI, Class 1 requirements during inservice inspection.

EXAMINABLE WELDS **SELECTED** FOR EXAMINATION:

System: RCS

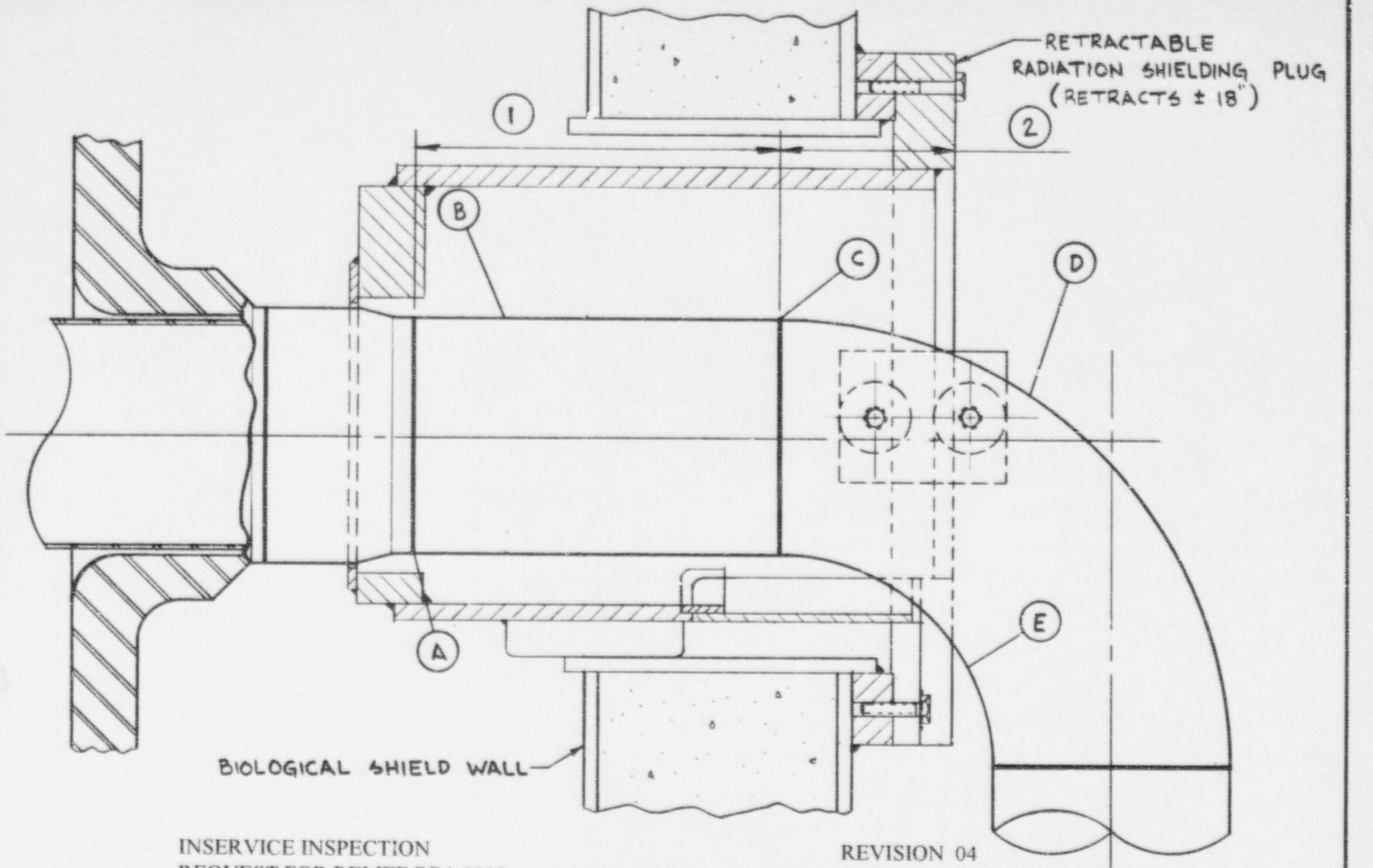
Line No.	Mark Number	Dimensions	%Exam	Sketch
010-80C-1	RCS-800C-FWA17LA	1. 3'-8 ¼" 2. ±6"	30	2 (A1)
010-80C-1	RCS-800C-SW017ALC	1. 3'-8 ¼" 2. ±6"	30	2 (A2)
010-80D-1	RCS-800C-FWA18LA	1. 3'-7 ⅛" 2. ±6"	30	2 (A1)
010-90C-1	RCS-900C-FWB17LA	1. 3'-6 ⅛" 2. ±6"	30	2 (A1)
010-90C-1	RCS-900C-SW021ALC	1. 3'-6 ⅛" 2. ±6"	30	2 (A2)
010-90D-1	RCS-900C-FWB18LA	1. 3'-8 ¼" 2. ±6"	30	2 (A1)
010-90D-1	RCS-900C-SW022ALC	1. 3'-8 ¼" 2. ±6"	30	2 (A2)
010-90E-1	RCS-900C-SW011BALC	1. 3'-7 ⅛" 2. ±6"	30	2 (A2)
010-90F-1	RCS-900C-SW023ALC	1. 3'-7 ¼" 2. ±6"	25	2 (A2)
010-90G-1	RCS-900C-SW024ALC	1. 3'-7 ¾" 2. ±6"	25	2 (A2)

EXAMINABLE WELDS **NOT SELECTED** FOR EXAMINATION:

System: RCS

Line No.	Mark Number	Dimensions	%Exam	Sketch
020-800-1	RCS-800A-FWA01	1. 2'–9" 2. ±1'–2"	0	1 (A)
020-800-1	RCS-800A-FWA01LA	1. 2'–9" 2. ±1'–2"	0	1 (B1)
020-800-1	RCS-800A-SW002AALA	1. 2'–9" 2. ±1'–2"	0	1 (B2)
020-800-1	RCS-800A-SW002AA	1. 2'–9" 2. ±1'–2"	0	1 (C)
020-800-1	RCS-800A-SW002AALB	1. 2'–9" 2. ±1'–2"	65	1 (D)
020-800-1	RCS-800A-SW002AALC	1. 2'–9" 2. ±1'–2"	15	1 (E)
010-80D-1	RCS-800C-SW018ALC	1. 3'-7 ⅛" 2. ±6"	30	2 (A2)
010-80E-1	RCS-800C-FWA19LA	1. 3'-9 ½" 2. ±6"	30	2 (A1)
010-80E-1	RCS-800C-SW011AALC	1. 3'-9 ½" 2. ±6"	30	2 (A2)
010-80F-1	RCS-800C-FWA20LA	1. 3'-7 ¼" 2. ±6"	30	2 (A1)
010-80F-1	RCS-800C-SW019ALC	1. 3'-7 ¼" 2. ±6"	30	2 (A2)
010-80G-1	RCS-800C-FWA21LA	1. 3'-7 ¾" 2. ±6"	30	2 (A1)
010-80G-1	RCS-800C-SW020ALC	1. 3'-7 ¾" 2. ±6"	30	2 (A2)
020-900-1	RCS-900A-FWB01	1. 2'–7" 2. ±1'–2"	0	1 (A)
020-900-1	RCS-900A-FWB01LA	1. 2'–7" 2. ±1'–2"	0	1 (B1)
020-900-1	RCS-900A-SW002BALA	1. 2'–7" 2. ±1'–2"	0	1 (B2)
020-900-1	RCS-900A-SW002BA	1. 2'–7" 2. ±1'–2"	0	1 (C)
020-900-1	RCS-900A-SW002BALB	1. 2'–7" 2. ±1'–2"	65	1 (D)
020-900-1	RCS-900A-SW002BALC	1. 2'–7" 2. ±1'–2"	15	1 (E)

Line No.	Mark Number	Dimensions	%Exam	Sketch
010-90E-1	RCS-900C-FWB19LA	1. 3'-7 ⅛" 2. ±6"	30	2 (A1)
010-90F-1	RCS-900C-FWB20LA	1. 3'-7 ¼" 2. ±6"	30	2 (A1)
010-90G-1	RCS-900C-FWB21LA	1. 3'-7 ¾" 2. ±6"	30	2 (A1)



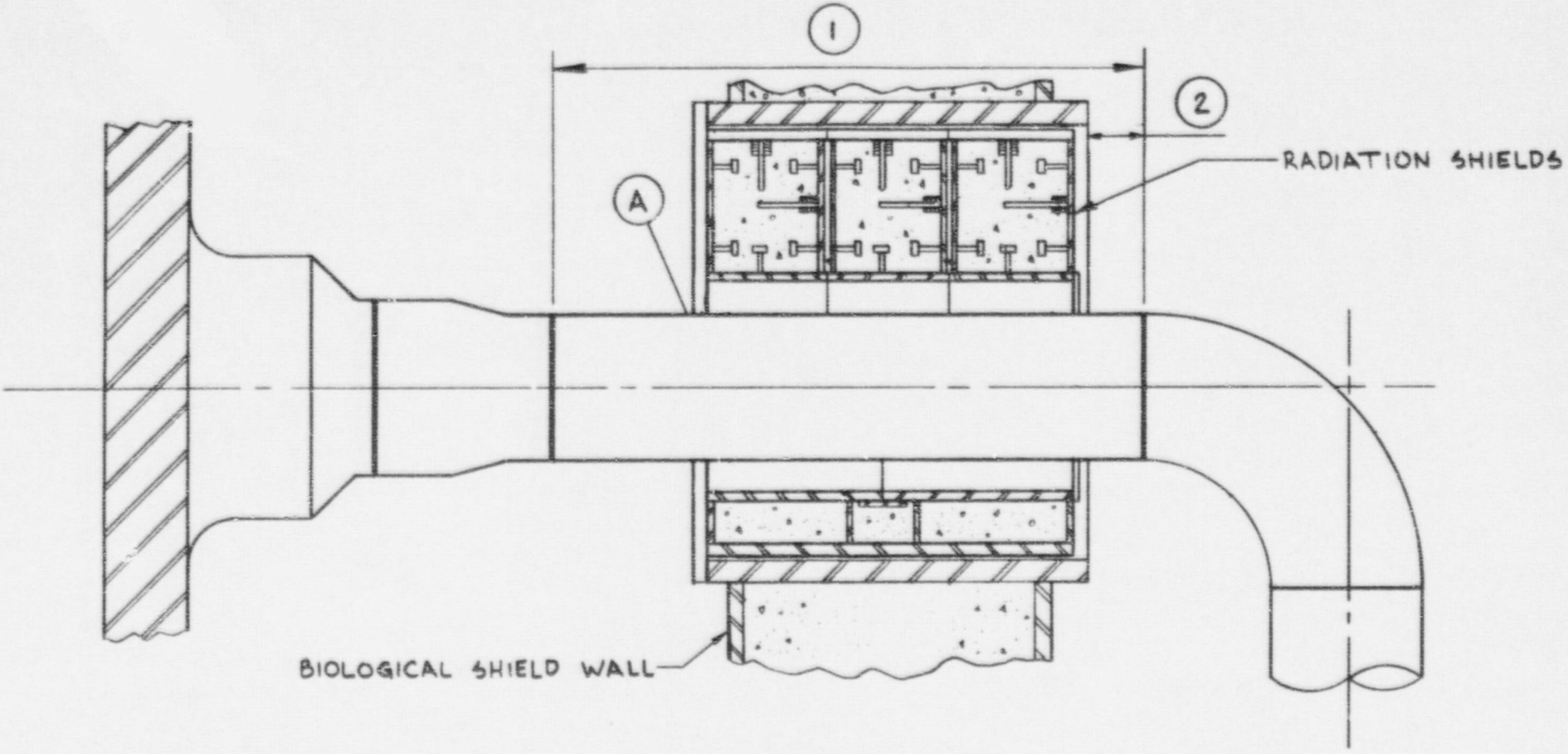
INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0013

N1 NOZZLE

REVISION 04
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN.	CHK'D	APPR	DATE	DWG NO.
1	5-28-86	NEW ISSUE	CAG	JWL	JBB	5/29/86	RBS-ISI-124

RADIATION SHIELDING PLUG INTERFERENCE



N2 NOZZLE

INSERVICE INSPECTION
REQUEST FOR RELIEF RR1-0013

REVISION 04
DATE: 11/30/98

REV.	DATE	DESCRIPTION	DRWN	CHK'D	APPR	DATE	DWG. NO.
1	5-28-86	NEW ISSUE	CAG	JWL	JBB	5/29/86	RBS-ISI-123

RADIATION SHIELD INTERFERENCE

COMPONENT

Reactor Pressure Vessel Nozzle-to-Safe End Butt Welds (see list below)

CODE

Fabrication: ASME Section III Code, Class 1 requirements.
Inservice inspection: ASME Section XI Code, 1980 Edition through and including Winter 1981 Addenda requirements.

CODE REQUIREMENTS ASME SECTION XI

ASME Section XI Code, IWB-2500-1, Category B-F, Item Number B5.10.

INFORMATION TO SUPPORT THE DETERMINATION THAT CODE REQUIREMENT CANNOT BE MET

The nozzle configuration does not permit performance of 100% of the Code required volumetric examination. The profile of the vessel nozzle limits examination from the nozzle side of the weld.

REASON WHY RELIEF SHOULD BE GRANTED

1. The welds have been examined volumetrically and found acceptable in accordance with ASME Section III, Class 1 requirements.
2. The welds were surface examined in accordance with ASME XI, 1980 Edition with Addenda through Winter 1981.
3. The welds were volumetrically multiple times during the first ten year inspection interval in accordance with GL 88-01 (NRC POSITION ON IGSCC IN BWR AUSTENITIC STAINLESS STEEL PIPING).
4. A Mechanical Stress Improvement Process (MSIP) was applied to these weldments during the first inspection interval.

System: RCS

Line No.	Mark No.	Configuration	% Exam	Sketch
020-900-1	B13-D001-N01A-2	Nozzle-to-safe end	71.25%	1
020-800-1	B13-D001-N01B-2	Nozzle-to-safe end	71.25%	1
010-80G-1	B13-D001-N2A-2	Nozzle-to-safe end	72.5%	1
010-80F-1	B13-D001-N2B-2	Nozzle-to-safe end	72.5%	1
010-80E-1	B13-D001-N2C-2	Nozzle-to-safe end	72.5	1
010-80D-1	B13-D001-N2D-2	Nozzle-to-safe end	72.5%	1
010-90C-1	B13-D001-N2E-2	Nozzle-to-safe end	72.5%	1
010-90G-1	B13-D001-N2F-2	Nozzle-to-safe end	72.5%	1
010-90F-1	B13-D001-N2G-2	Nozzle-to-safe end	72.5%	1
010-90E-1	B13-D001-N2H-2	Nozzle-to-safe end	72.5%	1
010-90D-1	B13-D001-N2J-2	Nozzle-to-safe end	72.5%	1
010-90C-1	B13-D001-N2K-2	Nozzle-to-safe end	72.5%	1

System: FWS

012-035-1	B13-D001-N4B-2	Nozzle-to-safe end	82%	1
012-036-1	B13-D001-N4C-2	Nozzle-to-safe end	82%	1
012-036-1	B13-D001-N4D-2	Nozzle-to-safe end	82%	1

System: CSL

010-043-1	B13-D001-N5A-2	Nozzle-to-safe end	82%	1

System: CSH

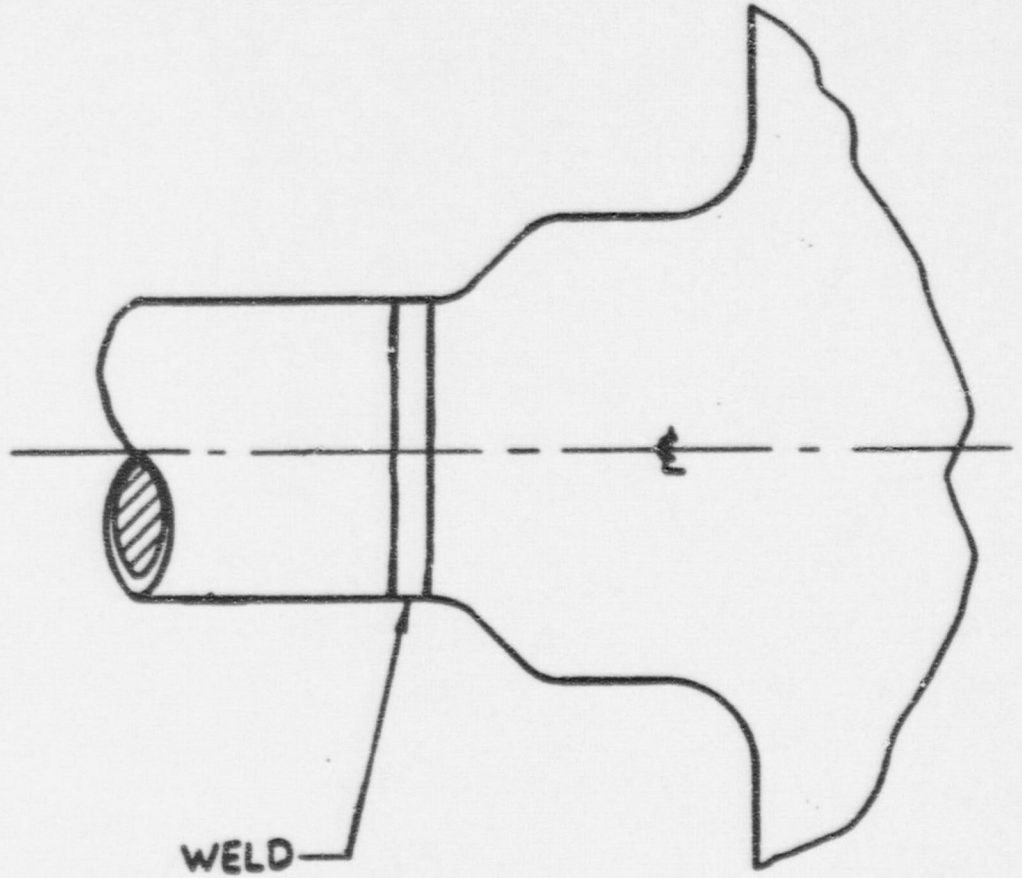
010-045-1	B13-D001-N5B-2	Nozzle-to-safe end	82%	1

System: RHS

010-016-1	B13-D001-N6A-2	Nozzle-to-safe end	82%	1
010-019-1	B13-D001-N6B-2	Nozzle-to-safe end	82%	1
010-034-1	B13-D001-N6C-2	Nozzle-to-safe end	82%	1

System: RPV

B13-D003	B13-D001-N9A-2	Nozzle-to-safe end	79.87%	1
B13-D003	B13-D001-N9B-2	Nozzle-to-safe end	79.87%	1


WELD