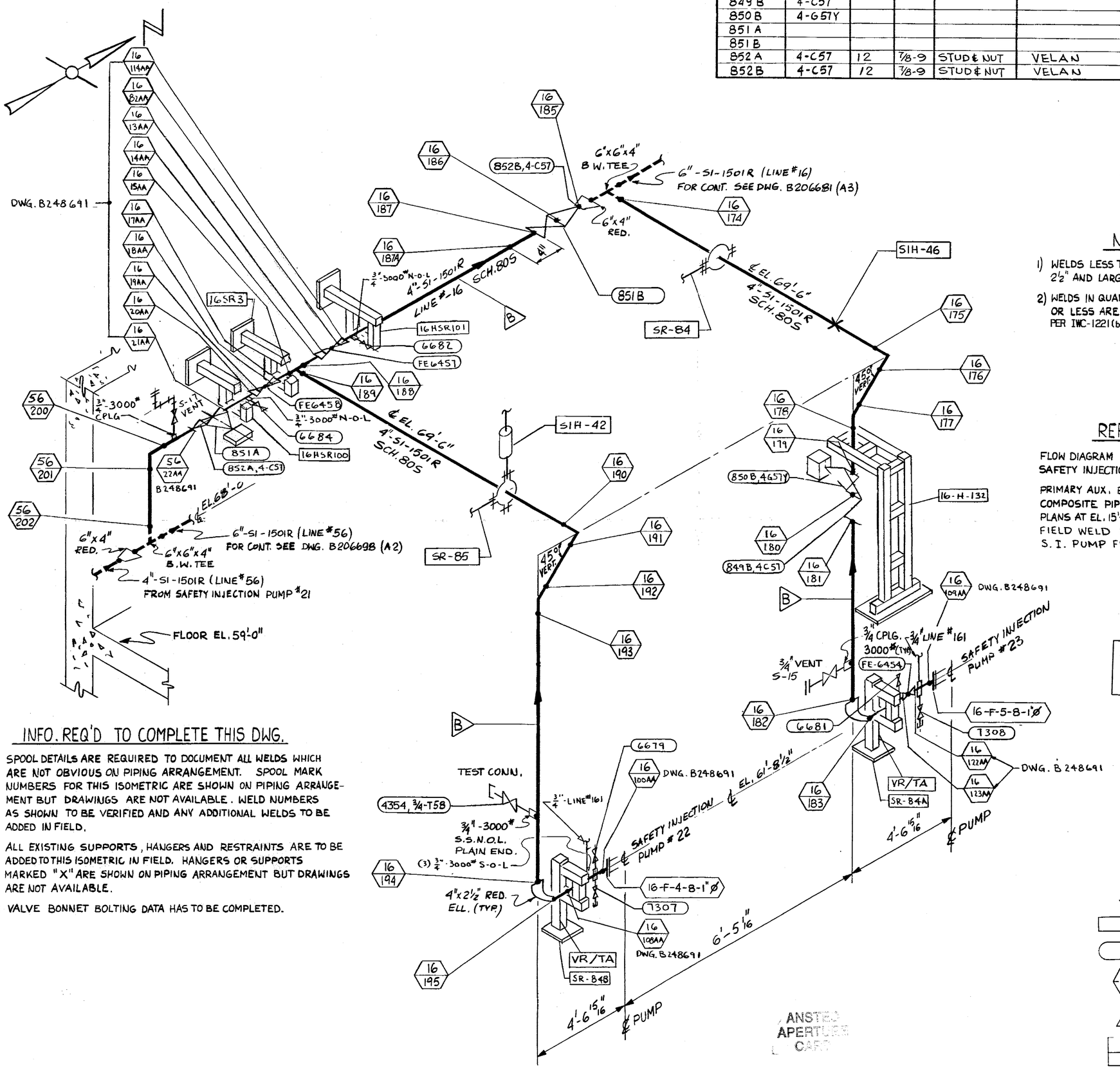
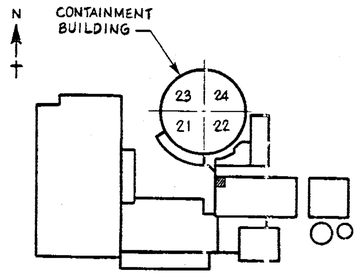
ISOMETRIC OF SAFETY INJECT. LINE NO. 16

INDIAN POINT #2

B227782-

VALVE BONNET BOLTING						
VALVE NO.	VALVE TYPE	NO. OF BOLTS	BOLT DIAM.	BOLT TYPE	VALVE MANUFACTURER	MANUFACTURER DWG. NO.
849 B	4-C57					
850 B	4-G57Y					
851 A						
851 B						
852 A	4-C57	12	7/8-9	STUD & NUT	VELAN	78501
852 B	4-C57	12	7/8-9	STUD & NUT	VELAN	78501





KEY PLAN

NOTES

1) WELDS LESS THAN 2" NOMINAL PIPE DIA. - SOCKET WELDED; 2 1/2" AND LARGER - BUTT WELDED.

2) WELDS IN QUALITY GROUP "B" PIPING, 1 1/2" NOM. PIPE DIAMETER OR LESS ARE EXEMP. FROM NDT REQUIREMENTS. PER IWC-1221(b)

REFERENCE DRAWINGS

FLOW DIAGRAM
SAFETY INJECTION SYSTEM ——— 9321-F-2735

PRIMARY AUX. BUILDING
COMPOSITE PIPING ARRANGEMENT
PLANS AT EL. 15'-0", 35'-0", 42'-0", 59'-0" ——— 9321-F-2573
FIELD WELD ISOMETRIC FOR
S.I. PUMP FULL FLOW RECIRC. ——— B248691

INFO. REQ'D TO COMPLETE THIS DWG.

(1) SPOOL DETAILS ARE REQUIRED TO DOCUMENT ALL WELDS WHICH ARE NOT OBVIOUS ON PIPING ARRANGEMENT. SPOOL MARK NUMBERS FOR THIS ISOMETRIC ARE SHOWN ON PIPING ARRANGEMENT BUT DRAWINGS ARE NOT AVAILABLE. WELD NUMBERS AS SHOWN TO BE VERIFIED AND ANY ADDITIONAL WELDS TO BE ADDED IN FIELD.

(2) ALL EXISTING SUPPORTS, HANGERS AND RESTRAINTS ARE TO BE ADDED TO THIS ISOMETRIC IN FIELD. HANGERS OR SUPPORTS MARKED "X" ARE SHOWN ON PIPING ARRANGEMENT BUT DRAWINGS ARE NOT AVAILABLE.

(3) VALVE BONNET BOLTING DATA HAS TO BE COMPLETED.

NOT FOR FABRICATION OR INSTALLATION

THIS DRAWING CONTAINS ITEMS WHICH MUST BE CONTROLLED WITHIN CON EDISON AS: "CLASS A" ITEMS PER CI-240-1

NOT FOR FABRICATION OR INSTALLATION

TYPICAL WELD DETAIL DRAWINGS

6" 150IR, SCH. 80S - D208014
4" 150IR, SCH. 80S - D 208007
2 1/2" 150IR, SCH. 80
2" 150IR, SCH. 80

SYMBOL IDENTIFICATION

SUPPORT NUMBER
VALVE NUMBER
WELD NUMBER
QUALITY GROUP CLASSIFICATION
INTEGRAL SUPPORT WELD NUMBER
FLANGE NUMBER, NUMBER OF BOLTS AND BOLT DIAMETER

Docket # 50-247
Accession # 9403110117
Date 2/28/94
Regulatory Docket File
of Ltr

Con Edison clean energy

REVISIONS

0 — THIS ISSUE IS NON-CLASS "A" PER CI-240-1. RELEASE FOR RECORD. P.N. 21368. TREADWELL CORP. C.S./P.H. 2-4-83

1 — 3-22-85 — THIS REVISION IS NON-CLASS "A" PER CI-240-1. UPDATED DWG. PER INFORMATION RECEIVED FROM FIELD. RELEASE FOR RECORD. P.N. 21368 F.A.C./KC 3/22/85

2 — 4.20.87 — THIS REVISION IS CLASS A PER CI-240-1 CHANGED LINE #16 TO LINE #56 FOR WELD #198 - #202 RELEASE FOR RECORD P.N. 69911-CI S.C./E.D.

3 — 5-14-87 — THIS REV. IS CLASS "A" PER CI 240-1. UPDATED DWG. AS PER AS FOUND CONDITION REL. FOR RECORD. P.N. 69911-EI M.M./E.D. 5-14-87

4 — 11/17/90 — THIS REV IS CLASS A PER CI-240-1. UPDATED DWG PER AS FOUND CONDITIONS, RELEASE FOR RECORD P.N. 69911-NP DM/RM

5 — 10-23-91 — THIS REVISION IS CLASS "A" AS PER CI-240-1. REVISED TO SHOW WORK DONE ON MOD. PROC. NO. MMM-90-03435-B PKG. NO. 6739 RELEASED AS CONSTRUCTED P/N 03435-89 R.M./DM

6 — 5/14/92 — THIS REV. IS NON-CLASS PER CI-240-1 CHANGED DISCIPLINE CODE FROM MT TO ML. RELEASE FOR RECORD P.N. 69911-EI B.T./

7 — THIS REVISION IS CLASS "A" PER 240-1, UPDATED DWG. PER INSERVICE INSPECTION. FIELD REVISION INFORMATION RELEASE FOR RECORD P.N. 69911-EI J.S.

B227782-7

CONSOLIDATED EDISON CO. OF NEW YORK, INC.

TREADWELL CORPORATION NEW YORK N.Y.

STATION LOCATION INDIAN POINT NO. 2
INSERVICE INSPECTION ISOMETRIC
OF SAFETY INJECTION LINE Nº 16
OUTSIDE CONTAINMENT

SCALE	DRAWN BY	RECORDED
NONE	M. JUSINSKI	2/21/83
P.N. 21368	CHECKED BY C.S.	ENG
DIMG / ELECT	MECH 1	STRUCT / DIST

APPROVALS

GENERAL ENGINEERING	CHIEF DESIGN ENGINEER	3/15/83
MECHANICAL ENGINEERING	MECH PLANT ENGINEER	2/22/90
CIVIL ENGINEERING	PLANT STRUCT ENGINEER	
	T & D STRUCT ENGINEER	
ELECTRICAL ENGINEERING	STATION ELECT ENGINEER	
	T & D ENGINEER	
GAS & STEAM OPERATIONS	STRUCT ENGINEER	
PRODUCTION	CONVENTIONAL POWER	
	NUCLEAR POWER	

ML

ANSTEC APERTURE CARD