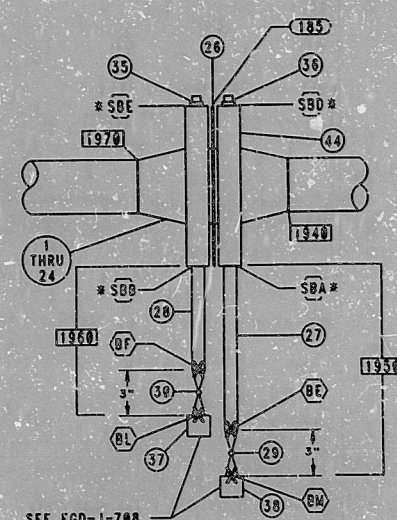
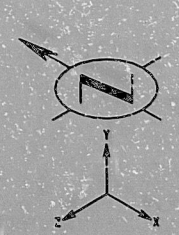
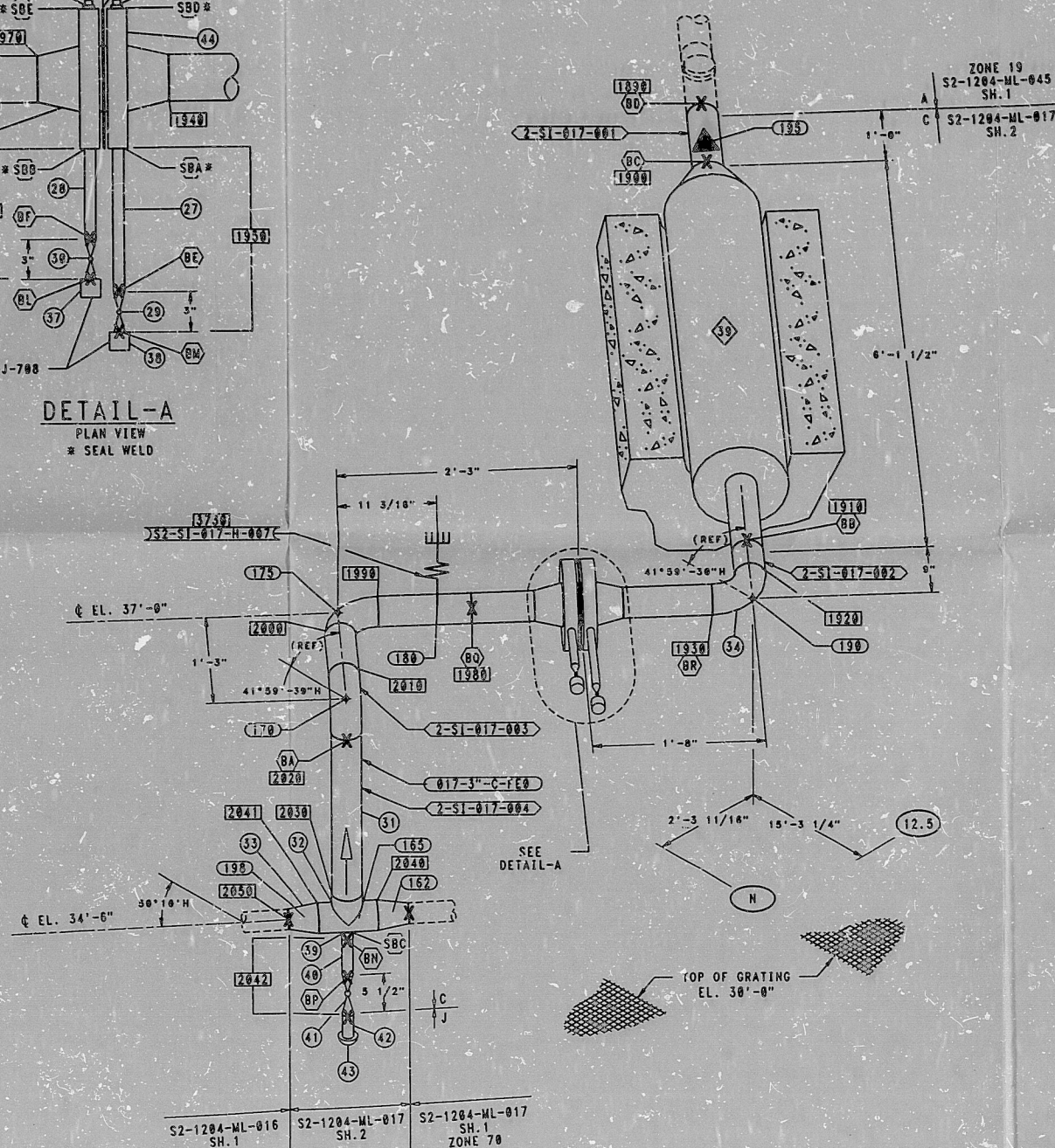




DETAIL-A
PLAN VIEW
* SEAL WELD



BILL OF MATERIALS						
ITEM NO.	QTY.	SIZE	DESCRIPTION	VALV ORIN	ASME	GRD
1	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
2	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
3	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
4	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
5	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
6	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
7	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
8	1	1/8"	STUD BOLT 7 1/2" LG.		SA193	B7
9	1	1/8"	HEX NUT		SA194	2H
10	1	1/8"	HEX NUT		SA194	2H
11	1	1/8"	HEX NUT		SA194	2H
12	1	1/8"	HEX NUT		SA194	2H
13	1	1/8"	HEX NUT		SA194	2H
14	1	1/8"	HEX NUT		SA194	2H
15	1	1/8"	HEX NUT		SA194	2H
16	1	1/8"	HEX NUT		SA194	2H
17	1	1/8"	HEX NUT		SA194	2H
18	1	1/8"	HEX NUT		SA194	2H
19	1	1/8"	HEX NUT		SA194	2H
20	1	1/8"	HEX NUT		SA194	2H
21	1	1/8"	HEX NUT		SA194	2H
22	1	1/8"	HEX NUT		SA194	2H
23	1	1/8"	HEX NUT		SA194	2H
24	1	1/8"	HEX NUT		SA194	2H
25	1	3"	2FE-0331 ORIFICE PLATE			
26	1	1/2"	PIPE 9" LG. (TOE x BOE) SCH. 160		SA370	TP316
27	1	1/2"	NIPPLE 5" LG. (TOE x BOE) SCH. 160		SA370	TP316
28	1	1/2"	S2-1204-MR-009-C-334-D (BW)	270°	SA182	F316
29	1	1/2"	S2-1204-MR-010-C-334-D (BW)	90°	SA182	F316
30	1	1/2"	PIPE SMLS SCH. 160		SA370	TP316
31	1	3"	TEE SCH. 160 (BW)		SA403	WP316
32	1	3"	CONC. RED. SCH. 160 (BW)		SA403	WP316
33	2	3"x2"	90° ELL. SCH. 160 (BW)		SA403	WP316
34	3	3"	PIPE PLUG		SA403	WP316
35	1	1/2"	PIPE PLUG		SA403	WP316
36	1	1/2"	PARKER PIPE TO TUBE ADAPTER		SA479	F316
37	1	1/2"x3/8"	PARKER PIPE TO TUBE ADAPTER		SA479	F316
38	1	1"	WELDOLET SCH. 160		SA403	WP316
39	1	1"	NIPPLE 5" LG. (BBE) SCH. 160		SA370	TP316
40	1	1"	S2-1204-MR-170-C-334-D (BW)	0°	SA182	F316
41	1	1"	NIPPLE 3" LG. (TOE x BOE) SCH. 160		SA370	TP316
42	1	1"	PIPE CAP 6000# (SCRD)		SA403	WP316
43	2	3"	ORIFICE FLANGE 1500# R.F. W/N		SA182	F316

VALVE/IN-LINE COMPONENT C.G. LOCATION DATA (INCHES)									
UPSTREAM D. P.	DOWNSTREAM D. P.	D. P. "B"	Δ X1	Δ Y1	Δ Z1	D. P. "C"	Δ X2	Δ Y2	Δ Z2

- NOTES:
- FOR LEGEND, STANDARD SYMBOLS AND VALVE ORIENTATION DESCRIPTION SEE DRAWING 41076.
 - PREFIX FOR ISI INSPECTION AREA NUMBER IS 02-069-XXX UNLESS OTHERWISE NOTED.

INSULATION: N/A
CLEANING INFO: CLASS "C"

START-UP SYS
2868
INSERVICE INSPECTION PROGRAM ZONE 69
FROM: LINE 021 SAFETY INJ PUMPS
SYSTEM: 1204
TO: LINE 045 VALVE 020 LOOP 2A
SYSTEM: 1204

DRAWING NUMBER	DESCRIPTION	NO.	DESCRIPTION	RE	IRE	GS	DM	CHK	OTHER	DATE
4805 (C-1)	ADD ISI DESIGNATION	105	105	105	105	105	105	105	105	105
4805 (C-2)	CONVERTED TO CATA	105	105	105	105	105	105	105	105	105
48112C (B-1)	ISSUED FOR CONSTR.	105	105	105	105	105	105	105	105	105

QC II UNIT 2
SAN ONOFRE NUCLEAR GENERATING STATION
ISOMETRIC DRAWING
S2-1204-ML-017-3"-C-FEO
SOUTHERN CALIFORNIA EDISON
Scale: NONE
DRAWN BY: B.M. OYAMA

SI
APERTURE
CARD

SEPTEMBER 11, 1993

9:01

DRAWING SH 2 OF 2

S2-1204-ML-017

SH 2 REV 11

PDR RIDS.

9401060293



9401060293