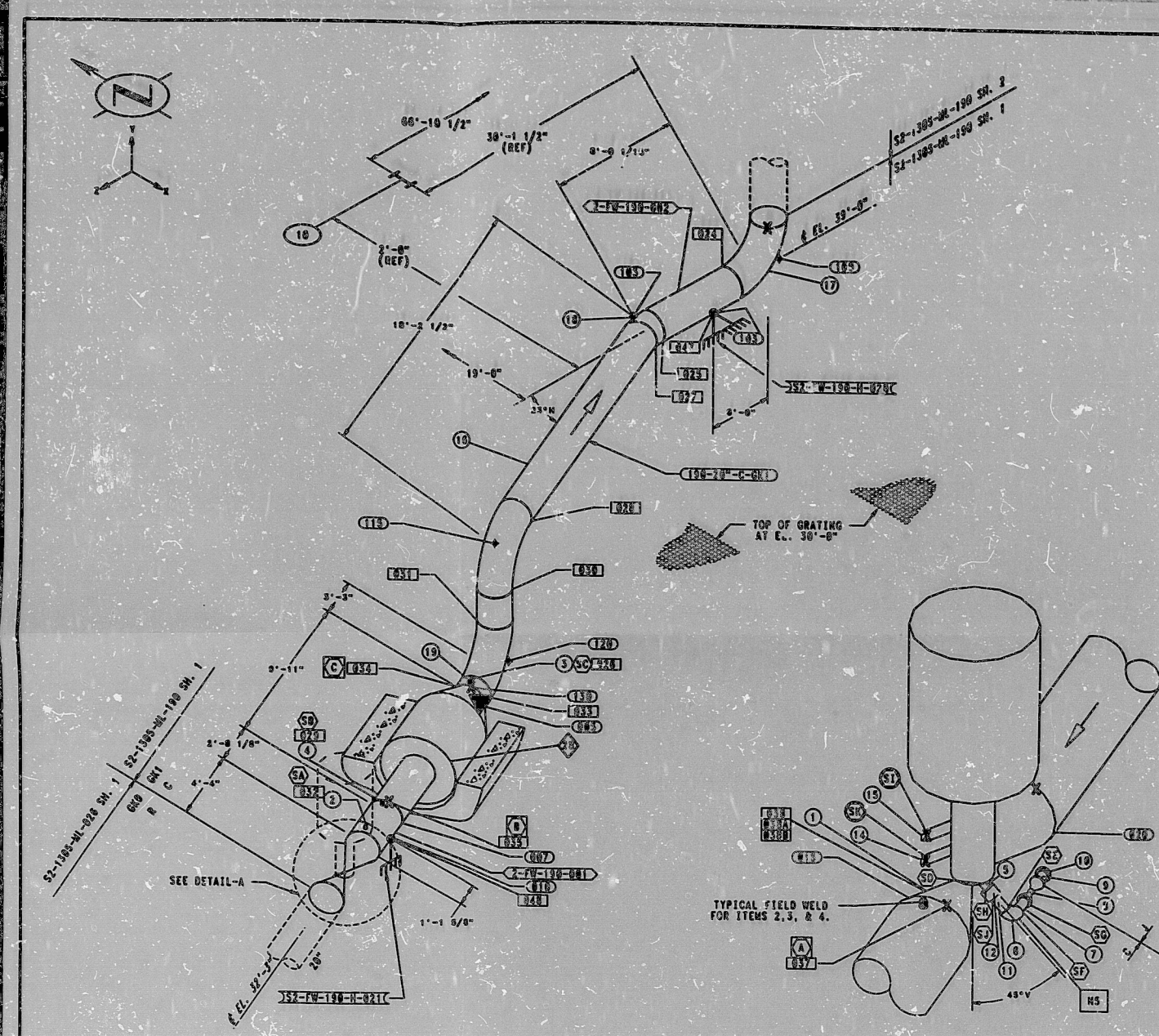




BILL OF MATERIALS						
ITEM NO.	QTY.	SIZE	DESCRIPTION	VLV	ASME	GRD
1	1	20"	3HV-6052 (DW)		SA310	WCS
2	1	1"	RADIOGRAPHIC PLUG		SA420	WPL8
3	1	1"	RADIOGRAPHIC PLUG		SA420	WPL8
4	1	1"	RADIOGRAPHIC PLUG		SA420	WPL8
5	1	1"	NIPPLE 3" LG (TOE X POE) SCH. 160		SA106	B
6	1	2"	90° ELL. 60000 (SW)		SA106	B
7	1	2"	PIPE 4 1/2" LG SCH. 160 (PDE)		SA106	B
8	1	2"	SS-1305-M-190-20-C-347-D (SW)		SA106	B
9	1	2"	NIPPLE 3" LG (TOE X POE) SCH. 160		SA106	B
10	1	2"	PIPE CAP (SCH. 160)		SA106	B
11	1	2"	PIPE 4" LG SCH. 160 (PDE)		SA106	B
12	1	2"x1"	RED. COUPLING 60000 (SW)		SA334	WPD
13	1	1/2"	BONNET PLUG (N.P.T.)		SA310	WPD
14	1	1/2"	PACKING LEAK-OFF PLUG (NPT)		SA310	WPD
15	1	20L/F	PIPE SMLS X 1.121 MW		SA106	C
16	3	20"	90° ELL. SCH. 160 (DW)		SA234	WPD
17	1	20"	23° ELL. SCH. 160 (DW)		SA234	WPD
18	3	1	M/CPLG. 60000 (SW)		SA420	WPL8

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
020	015	017	-10.2	-	-25.9	170	-	10.75	-
						171	-	16.13	-
						172	-	20.13	-
						173	-	8.09	-
						174	-	8.36	-
						175	-	16.44	-
						176	-	34.96	-

- NOTES:
- 1 - FOR LEGEND, STANDARD SYMBOLS AND VALVE ORIENTATION DESCRIPTION SEE DRAWING 41076.
 - 2 - PREFIX FOR ISI INSPECTION AREA NUMBER IS 02-44-XXX UNLESS OTHERWISE NOTED.
 - 3 - FOR DETAIL OF ITEM 1 SEE S2-1305-ML-190 SHEET 3.
 - 4 - NODE POINTS 170 THRU 176, Δ YZ REPRESENTS DIMENSION BETWEEN 2 DATA POINTS.

DETAIL-A
ROTATED 180°

SI
APERTURE
CARD

INSULATION: 3" AHC
CLEANING INFO: CLASS "C"

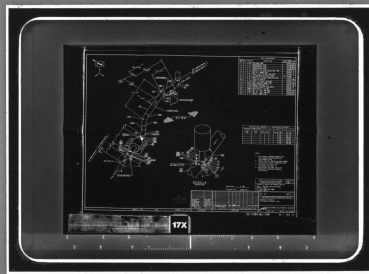
DIMENSION SHOWN INDICATES A REFERENCE DIMENSION TO CONTAINMENT CENTERLINE		START-UP SYS
INSERVICE INSPECTION PROGRAM ZONE 44		2ABB
FROM: LINE 020: VALVE 2HV-4052		
SYSTEM: 1305		
TO: STM GEN SOUTH 0089		
SYSTEM: 1305		
QC II		UNIT 2
SAN ONOFRE NUCLEAR GENERATING STATION		
ISOMETRIC DRAWING		
S2-1305-ML-190-20-C-GK1		
SOUTHERN CALIFORNIA EDISON		
Scale: NONE DRAWN BY: B.A. SHEPHERD		

DRAWING NUMBER	DESCRIPTION	NO	DESCRIPTION	RE	IRE	CS	DM	CHK	OTHER	DATE
01148 (C-1)	CONVERTED TO CATH									03/07/93
01148 (C-2)	ISSUED FOR QUTTY									

17X

PDR R118

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