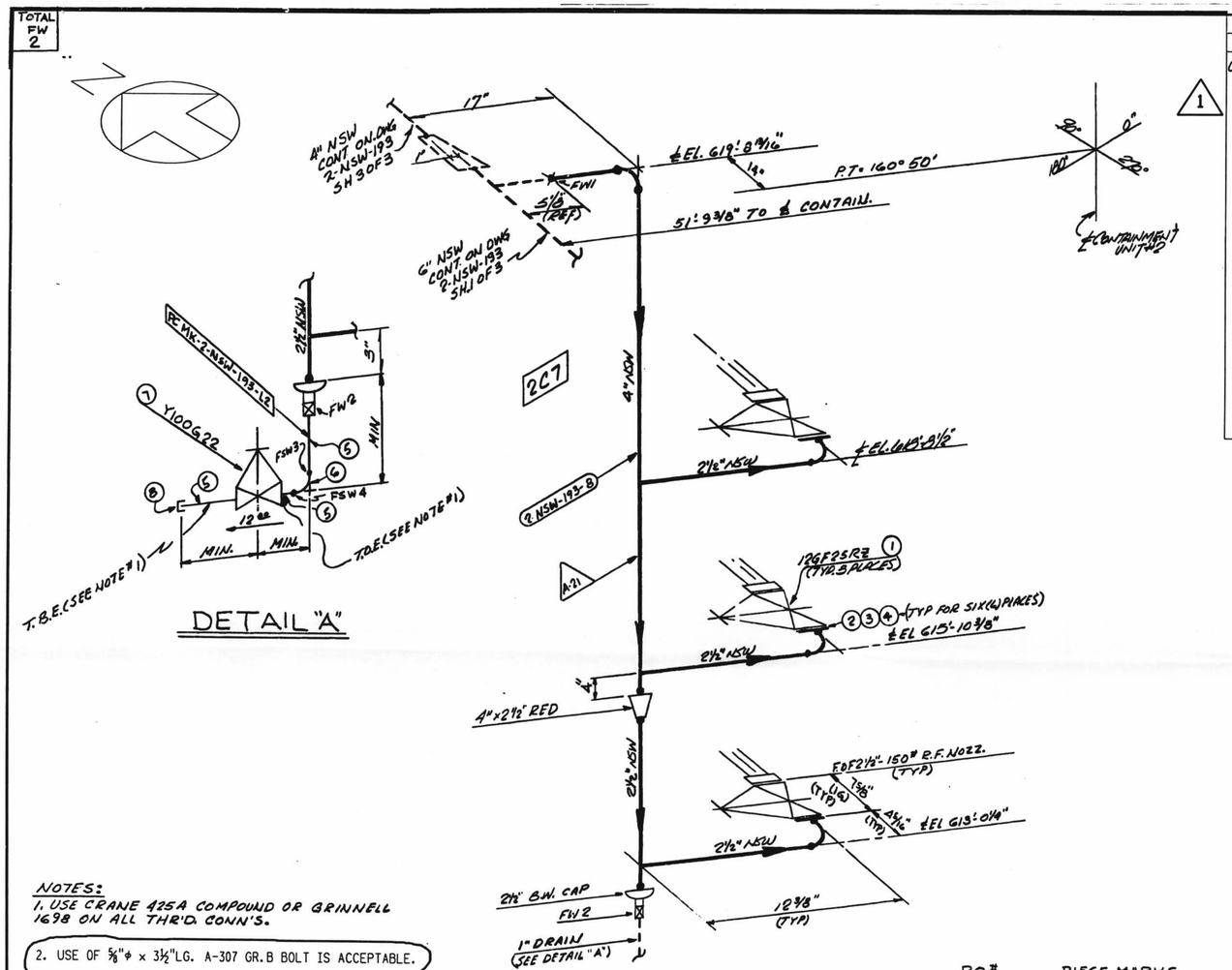
TOTAL FW 2



MATERIAL						
QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	
01	1	3	2½"	125# C.I. FLG'D. GATE VA.	12GF25R2	
	2	6	2½"	150# COMPR. ASBESTOS RUBBER BONDED FULL FACE W/ THN. GASK.		
	3	24	⅝"ϕ	3" LG. HEX. HD. MACH. BOLT (SEE NOTE 2)	A-307, GR. B	
	4	24	⅝"ϕ	HEAVY HEX NUT CLASS 2 TOL.	" "	
	5	3' REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106, GR. B	
	6	1	1"	90°-3000# S.W. ELBOW C.S.	A-181 GR. I OR II	
	7	1	1"	150# THRD. GATE VA. BRONZE OR BRASS	Y100G22	
	8	1	1"	3000# C.S. THRD CAP	A-181 GR. I OR II	

NOTES:
1. USE CRANE 425A COMPOUND OR GRINNELL 1698 ON ALL THR'D. CONN'S.
2. USE OF ⅝"ϕ x 3½" LG. A-307 GR. B BOLT IS ACCEPTABLE.

1

P.O.#	PIECE MARKS
102	2-NSW-193-8

SITE FAB. PIECE MARKS
2-NSW-193-L2

D-36B

2-NSW-193 (Sheet 2 of 3)
Lower Containment Ventilation Unit 2 Supply Line

REV.	DATE	DESCRIPTION	FIELD STATUS
1	09/07/99	THIS DRAWING HAS BEEN CONVERTED FROM A MANUAL FORMAT TO THE IGS-SCANNED DRAWING FORMAT AND SUPERSEDES ALL PREVIOUS REVISIONS. ADDED : NOTE FOR ITEM 3 PER RFC 12-2769, AB-D02572, DCDR 10-10-1003 GNL/RQ/GG	NO FIELD ACTION REQ'D.

SIZE	QUAN.	FW
4"	5	1
2½"	7	–
1"	1'	1

MATERIAL SPEC. DCCPM1020CS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS N/A
MATERIAL CLASS A-21 SPEC. 104

W.P. = WORKING POINT
T.O.E. = THREAD ONE END
T.B.E. = THREAD BOTH ENDS
B.O.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV.
Q.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH
B.B.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.B.E. = PLAIN BOTH ENDS
S.O.E. = SHAPE ONE END
B.O.P. = BOTTOM OF PIPE ELEV.
FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD
⊠ = FIELD WELD
O = AUTOMATIC SHOP WELD
● = MANUAL SHOP WELD
■ = VERIFY DIMENSION IN FIELD

PIPE																							
SA-53			SA-106 GR. B			SA-376			SA-312														
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160											
SMLS.		WLDD.	FOR AS INSTALLED MATERIAL - SEE B.O.M. ABOVE																				

FITTINGS								
SA-105	SA-234	SA-182						
SA-403	SA-181							

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK
NUCLEAR PLANT
BRIDGMAN MICHIGAN

REFER TO ORIGINAL ISSUE MICROFILM FOR SIGNATURES

POUR/ZONE No. 2C7
FLOW DIAGRAM 2-5114A
Q.S.L. 01

DWN:	DATE:	CONTAINMENT BLDG #2
CKD:	DATE:	DWG. No. 2-NSW-193
SQ. LDR:	DATE:	SH 2 REV 1
REF. DWG. 2-5692/5694A		

AEP AMERICAN ELECTRIC POWER
AEP SERVICE CORP. 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

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