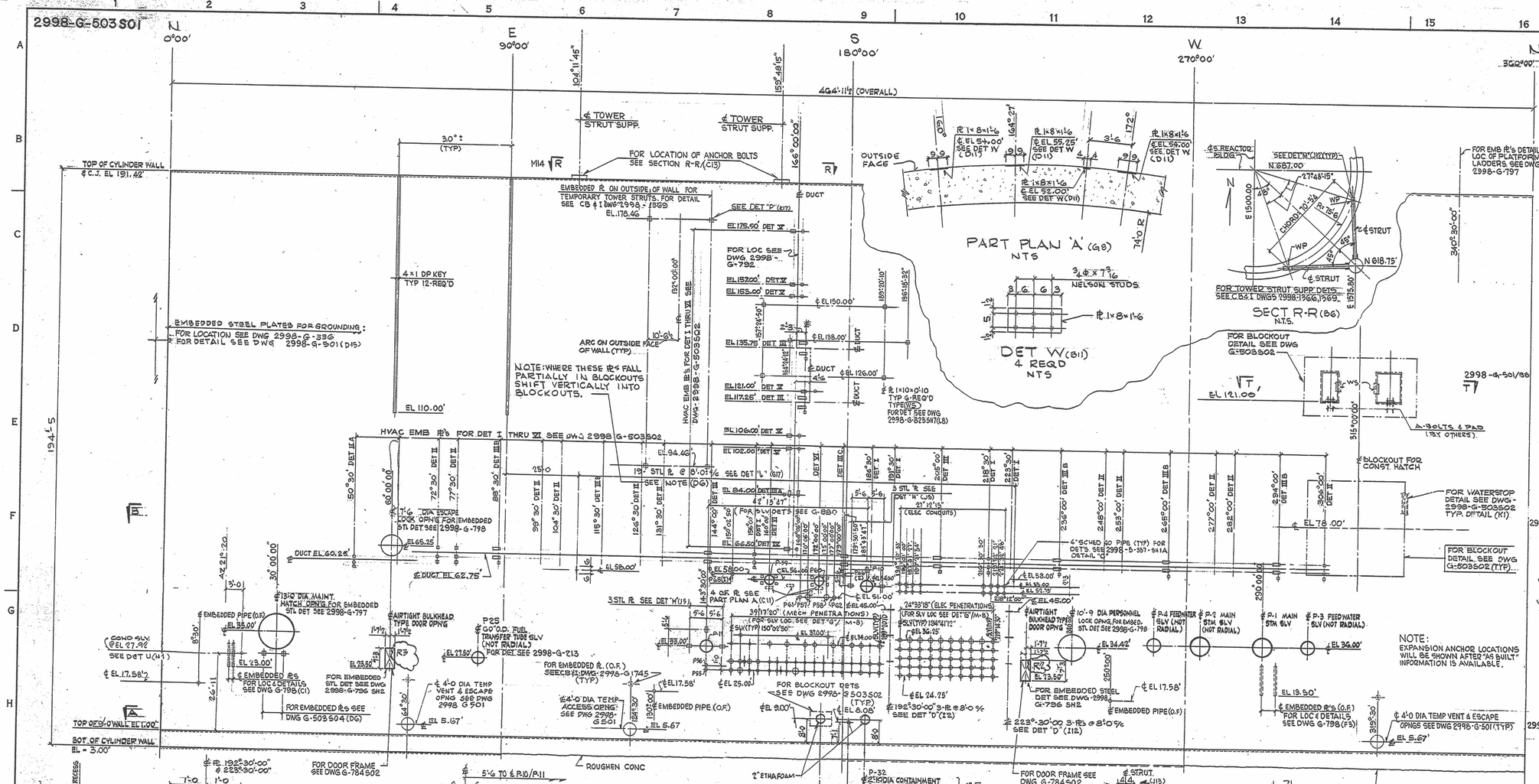
2998-G-503 S01



PENETRATION SCHEDULE

HVAC				MECH.	
PENETRATION NUMBER	NOMINAL DIA.	PENETRATION NUMBER	NOMINAL DIA.	PENETRATION NUMBER	NOMINAL DIA.
P-10	58"	P1	84"	P-29	16"
P-11	58"	P-2	84"	P-30	16"
P-55	8"	P-3	70"	P-31	10"
P-56	10"	P-4	70"	P-36	26"
P-57	10"	P-5	20"	P-37	26"
P-58	8"	P-6	20"	P-38	26"
P-59	31"	P-7	12"	P-39	26"
P-60	31"	P-8	12"	P-40	32"
P-61	6"	P-9	12"	P-41	18"
P-62	6"	P-14	10"	P-42	14"
P-45B	6"	P-15	18"	P-44	16"
P-53B	6"	P-16	18"	P-45	12"
		P-17	18"	P-46	14"
		P-18	18"	P-47	14"
		P-19	18	P-48	16"
		P-20	18"	P-49	16"
		P-21	18"	P-50	26"
		P-22	18"	P-51	26"
		P-23	18"	P-52	22"
		P-24	18"	P-53	12"
		P-26	22"	P-54	26"
		P-27	20"	P-34B	22"
		P-28	16"	P-35B	22"
		P-64	32"	FOR CONT. SEE BELOW (J, 19)	

QUANTITIES (NET, BY FIELD UNLESS NOTED)

EMB ASSY AS PER DET P & A BOLTS AS PER DET M — BY CB&I
PL 1×10×0'-10 TYP W5 (09) 6 REQ'D — BY FIELD
PL 3/4×8×1'-0 AS PER DET "L" (19 REQ'D) — BY A-5
3×3×1/4 L-FRAME AS PER PLAN H-H (K15) (2 REQ'D) — BY A-5
PL 1×1×1'-6 AS PER DET "H" (6 REQ'D) — BY A-5
PL 3/4×6×2'-0 AS PER DET "D" (6 REQ'D) — BY A-5
FOR ADDITIONAL QUANTITIES SEE DWG 2998-G-501

NOTES

FOR LOCATION OF OPENINGS AND PENETRATIONS AS SHOWN IN DEVELOPED ELEVATION (1-9) SEE SECT'L PLANS A-A & B-B DWG 2998-G-501, EXCEPT AS NOTED

ALL OPENINGS AND PENETRATIONS ARE RADIAL EXCEPT AS NOTED

FOR MECH PENETRATION SLV DET'S SEE DWG. 2998-G-213 SH 1, 2, 3 & 4

FOR ELEC PENETRATION SLV DET'S SEE DWG 2998-B-357

FOR H & V PENETRATION SLV. DET'S SEE DWG 2998-G-880

(I) DENOTES INSTRUMENT

FOR INSTRUMENT PSL DET'S SEE DWG. 2998-B-231

FOR ADD'L REF DWGS SEE DWG 2998-G-501

STRUCTURE COVERED BY THIS DWG. IS SEISMIC CLASS I

FOR ADD'L NOTES SEE DWG 2998-G-501

ALL EMBEDDED PLATES 2'0 OR WIDER IN HOR. DIRECTION SHALL BE CURVED TO THE SAME RADIUS OF WALL FOR EASY PLACEMENT

FOR FIELD TRIMMING OF PENETRATIONS P-40 & P-21 SEE DWG 2998-G-213 S01.

REFERENCE DRAWINGS

LIST OF DRAWINGS	2998
REACTOR BLDG CYL. WALL PLAN & SECT-MAS	A-146
SHELL BRACKET LUG LOCATION CB&I	G-501
REACTOR BLDG - ELEC. PENETRATIONS SH 1A	1365
REACTOR BLDG - HVAC - SH 3	B-357
REACTOR BLDG-MISC. STRUCT STL	G-666
REACTOR BLDG - EMBEDDED STL	G-797
HVAC - EQUIPMENT SCHEDULE & DETS	G-798
ELECTRICAL LIGHTING NOTES	G-880
TOWER STRUTS (15OT DERRICK) CB&I ER 39	A-339
REACTOR CONT. BLDG. PIPE PENETRATIONS	1366
STATION GROUNDING (ELECT)	G-213
EMBEDMENT DET FOR 15OT DERRICK CB&I ER 45	G-336
REACTOR BLDG CYLINDER WALL BLOCKOUT	1369
REACTOR BLDG. CYL. WALL BLOCKOUT SUPPORT	G-503S02
INSTRUMENTATION DETAILS	G-505
HVAC DUCT RESTRAINTS SH-1	G-231
REACTOR BLDG. STAIRS & PLATFORMS	G-792
REACTOR AUX BLDG EMBEDDED STEEL	G-798 SH 2
	G-323 SH 7

PENETRATION SCHEDULE (MECH)

PENETRATION NUMBER	NOMINAL DIA	PENETRATION NUMBER	NOMINAL DIA.
P-12B	8	P-32	34
P-25	SEE DWG G-213	P-33	34
P-65	6	P-43	8
P-66	6		
P-69	20		
P-70	20		
P-71	18		
P-72	18		

DCNs INCORP	NCRs INCORP	FCRs INCORP	FCRs SDT INCORP	NO.	DATE	REVISION	BY	CH	APPROVED
550.260	1203C	2-7148	2-5103 2-6275	12	2-14-85	ADD: (G4, G11) DOOR MARKS			
			2-1521 2-7152 2-9159	11	3-16-84	ADD: (G2, G4) 3/8" GND SLV. (N1) DETU (N1, N3) SECT V. (N11) TAG SLS	SJ	KRW	HK
				10	10-6-82	ADD: (H3, T4, I11) NOTES (N10, N11) FOR 6 DCNs & NCR REV: (D9) PL TYPE; (D10) QTY DEL: (F4) AZIMUTH; (G4, G11, K15) SECT. H-H	TK	TT	

NO.	DATE	REVISION	BY	CH	APPROVED
9	11-13-79	RELOCATED (FROM M14 TO C14) SECT R-R REV: (H6, H14) THREAD RODS (M12, G10) AZIMUTH (U15) ADDT (B7, K10) COORD. (X11, U3) PIPE SLV DEL: (K15) LOC. (A17) PEN. SIZES ADD: (D5) NOTS (N6, J4, O15, G16, J4) NOTES DEL: (G15) NOTE (N1, THRU N4) DET "C"	VC		TD
8	11-2-77	DELETED DET (P11) DIM REV: (E4, 5) RE: DES (G4, G15) NOTE ADD: (D15) QTY. (D11) DET W. (G8) NOTE & PLATES (C11) PART PLAN A, (D10) NOTE	VJP JP	HK	
7	8-30-77	REV: (E8) R DESIGNATION	VJP	HK	
6	6-29-77	DEL: (E7) NOTE REV: (D17, K18) PIPE SLV DIA. (F14, D18) BLOCKOUTS, (G15) NOTE	HW	HK	
5	1-28-77	ADD: (H8) NOTE (G8, J4) EMBEDDED PLS RELOC: (H2) LET N1 (X3) DET G-503S02 DET "L" DEL: (K3, J4, H13, H6) CONST. JT. & HAUNCH (H13, H15, H12) EMBEDDED PLS REV: (H12) EMBEDDED PIPE LOC.	VC	HK	
4	11-18-76	DEL: (C10, E11, I4, D8) EMBEDDED PLS	VC	HK	
	10-22-76	ADD: (G2, H7, H8, H12) EMBEDDED PIPES (O8, L9) PLATES, (J9) REF DWG REV: (G2, G4) PLATE ELEV. DEL: (H9) BLOCKOUT. ADD: (G16) CONST. JT. (H13) NOTE ADD: (G3, G11) NOTES (J19) REF DWG	HW	HK	
3					
2	7-9-76	GENERAL REVISION AS CIRCLED	HW	J.L. HK	
1	12-3-75	REV: (E1) NOT REL., (D8) QUANTITY ADD: (J11) DET P (C7, S7, T1, F19, T2) DNGS REV: (H4) HOLE TO BE VENT (D1, K6) (R3, (P5) ELEVATION (A16) INFO. (E9) (H5) ELEV. TO BE VENT (D16) REL: (J11) DET K ADD: (C7, D8, R3, (A9) DET W. (N7) DET. N (B7) SECT. R-R REF. (C6, D2, H3) SECT. R-R (U15, W1, H4) ANCHOR (U16) REF. DWGS DEL: (D2, D3) (U2, U4, U5, U6, U7) (A6) REV: (C6, C7, D7, G2, F16, F17, J3, J4) NOTES (H4) CONST. HATCH, (G6) SECT. R-R			

2-023	2-312	513.070
2-140	2-314	513.075
2-160	2-332	
2173.21	2-598	

FCRs INCORPORATED	DCNs

NO.	DATE	REVISION	BY	CH	APPROVED

SCALE 1/8" UNLESS NOTED	APPROVED	DATE
DY. CONC. ENG.		
DY. S. & R. ENG.		
DY. S. & D. ENG.		

2998-G-503 S01

D-10