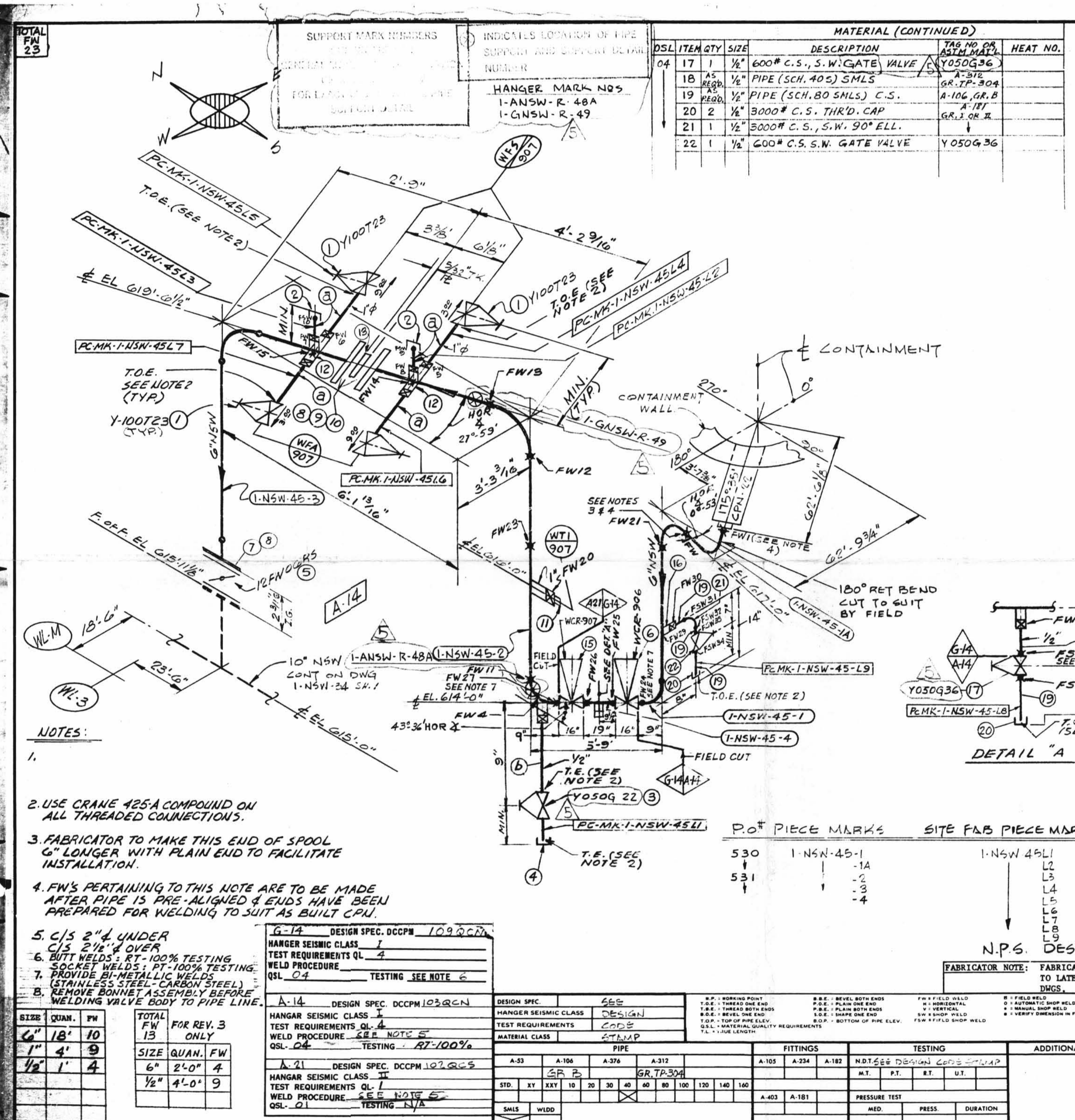


4
4
58
3.5
11
17



- NOTES:
- 1.
 2. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
 3. FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
 4. FW'S PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPU.
 5. C/S 2" UNDER C/S 2 1/2" OVER
 6. BUTT WELDS: RT-100% TESTING. SOCKET WELDS: PT-100% TESTING.
 7. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL).
 8. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

SIZE	QUAN.	FW
6"	18	10
1"	4	9
1/2"	1	4

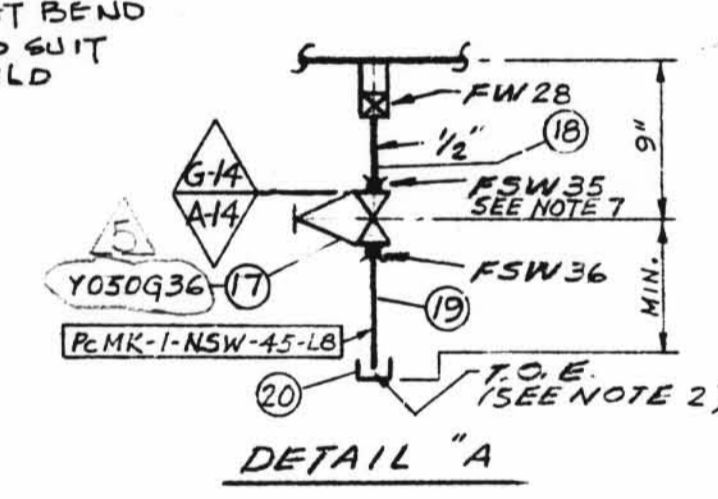
SIZE	QUAN.	FW
6"	2	0
1/2"	4	0
1/2"	4	0
1/2"	9	0

DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.	DESIGN SPEC.
G-14	A-14	A-21	A-33	A-106	A-376	A-312	A-105	A-234	A-182
HANGER SEISMIC CLASS I	HANGER SEISMIC CLASS I	HANGER SEISMIC CLASS II	MATERIAL CLASS	PIPE	FITTINGS	TESTING	TESTING	TESTING	TESTING
TEST REQUIREMENTS QL 4	TEST REQUIREMENTS QL 4	TEST REQUIREMENTS QL 1	WELD PROCEDURE	WELD PROCEDURE	WELD PROCEDURE	WELD PROCEDURE	WELD PROCEDURE	WELD PROCEDURE	WELD PROCEDURE
WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 01	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04	WELD PROCEDURE QSL 04

OSL	ITEM	QTY	SIZE	DESCRIPTION	TAG NO OR ASTM MATL	HEAT NO.
04	17	1	1/2"	600# C.S. S.W. GATE VALVE	Y050G36	
	18	AS REQD.	1/2"	PIPE (SCH. 40S) SMLS	A-312 GR. TP-304	
	19	AS REQD.	1/2"	PIPE (SCH. 80 SMLS) C.S.	A-106, GR. B	
	20	2	1/2"	3000# C.S. THRD. CAP	A-181 GR. I OR II	
	21	1	1/2"	3000# C.S. S.W. 90° ELL.		
	22	1	1/2"	600# C.S. S.W. GATE VALVE	Y050G36	

OSL	ITEM	QTY	SIZE	DESCRIPTION	TAG NO OR ASTM MATL	HEAT NO.
01	1	4	1"	200# BRONZE OR BRASS THIRD GLOBE VALVE	Y100T22	
	2	2	1"	3000# C.S. S.W. CAP	A-181 GR. I OR II	
	3	1	1/2"	150# BRONZE OR BRASS THIRD GATE VALVE	Y050G22	
	4	1	1/2"	3000# C.S. THRD. CAP	A-181 GR. I OR II	
	5	1	6"	125# C.S. BUTTERFLY VALVE	WCR-907	
	6	1	6"	B.W. DIAPH. CONTROL VALVE, S.S.	WCR-906	
	7	8	3/4"	φ x 5 1/2" LG. MACH. BOLT W/ HEX. HD.	A-307 GR. B	
	8	16	3/4"	HEAVY HEX. NUT. CL. Q. TOL.	A-307 GR. B	
	9	8	3/4"	φ x 3 3/8" LG. MACH. BOLT	A-307 GR. B	
	10	2	6"	1/2" THK GASKET COMP. ASBESTOS HUBBER BONDED, FULL FACE		
	11	1	1"	THERMOWELL	WTI-907	
	12	1	1"	3000# C.S. S.W. 1/2" CPL'G	A-106 GR. B	
	13	1	6"	150# 1/2" THK. PL. d=3.427	WFA-907	

REV.	DATE	DR	CHK	DESCRIPTION	REMARKS
1	5-17-72	JQ		REMOVED HOLD ADDED NOTES TO 4'S. COULD BE FOR WELDED ITEMS 5 THRU 13 TO B/M. ITEM 10 WAS QTY 2, WFS-907 WAS WELDED. NOTE 1 REV. 4. DWG. 1-5497	FIELD ACTION REQ'D
2	1-20-76	HM		REVISED BY A.E.P. DESIGN PER RFC-DC-12-671 TO REFLECT AS BUILT WHEN ISOLATION VALVE WAS ADDED.	NO ACTION REQ'D
3	1/18/82	WT/LB		PER RFC-DC-12-2549, ADDED PIPE SPEC. G-14, DIM'S. PC-MK-I-NSW-45-1, WELD BOX, NOTES 6, 7 & 8, FIELD WELDS FW 24 TO 30, FSW 31 TO 36, ITEMS 15 TO 22 IN B/M. DELETED ITEM 14 FROM B/M. REVISED ITEM 16 IN B/M.	FIELD ACTION REQ'D
4	1/29/82	EG/JM		PER RFC-DC-12-2549 AS PER FIELD 1" DIA. WAS 1" LOCATED TEST CONN.	FIELD ACTION REQ'D
5	8/1/82	DK/BOB/LB		PER RFC-DC-12-2576 REV'D VALVE TYPE ADDED SUPPORT MARK NOS. SUPP. REQ'D HGR. 150-I-NSW-45. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D



PO#	PIECE MARKS	SITE FAB	PIECE MARKS
530	I-NSW-45-1		I-NSW-45L1
531			L2
			L3
			L4
			L5
			L6
			L7
			L8
			L9

LABOR COST CONTROL		LABOR COST CONTROL	
USE ONLY WITH		USE ONLY WITH	
PIPE SIZE		PIPE SIZE	
SCHEDULE		SCHEDULE	
TYPE		TYPE	
ISO START DATE		ISO START DATE	
ISO FINISH DATE		ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER	WORK OPERATION	LINE ITEM NUMBER
HANGER INST.		HANGER INST.	
ERECT		ERECT	
WELD		WELD	
RADIO-G - X-RAY		RADIO-G - X-RAY	
STRESS RELIEVE		STRESS RELIEVE	
MISC. WORK		MISC. WORK	

POUR/ZONE No.	FLOW DIAGRAM	REVISION RECORD	DESCRIPTION
1-NSW-45	1-5114	NO. DATE	DESCRIPTION
Lower Containment Ventilation Unit 2 Return Line	AUXILIARY SLDG	1	
		2	
		3	
		4	
		5	