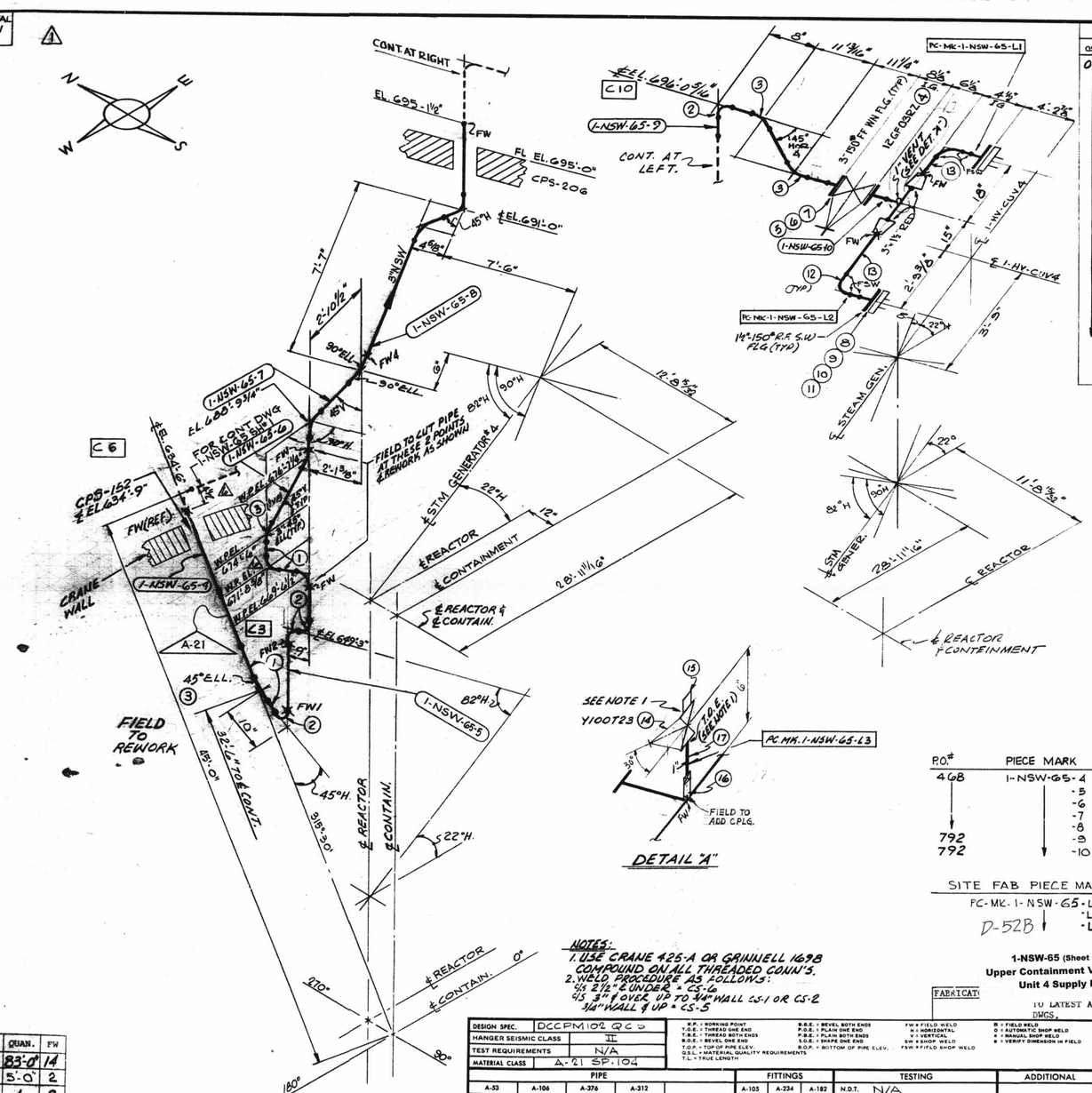
TOTAL FW



SIZE	QUAN.	FW
3"	83'-0"	14
1½"	5'-0"	2
1	1	2

NOTES:
1. USE CRANE 425-A OR GRINNELL 1698 COMPOUND ON ALL THREADED CONN'S.
2. WELD PROCEDURE AS FOLLOWS:
   3/8 2½" & UNDER = CS-6
   3/8 3" & OVER UP TO 3/4" WALL CS-1 OR CS-2
   3/4" WALL & UP = CS-5

P.O.#	PIECE MARK
468	1-NSW-65-4
	-5
	-6
	-7
	-8
	-9
792	-10
792	

SITE FAB PIECE MARK
PC-MK-1-NSW-65-L1
-L2
-L3 (4)
D-52B

1-NSW-65 (Sheet 2 of 2)
Upper Containment Ventilation
Unit 4 Supply Line

FABRICATE TO LATEST A.E.P. ARRGT. DWGS.

MATERIAL ISO SH NO. 1472

OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	AS REQD	3"	PIPE, SMLS, CS, SCH 40	A-106 GR. B	
	2	4	3"	90° LR ELL, BW, CS, SCH 40	A-234 GR. WPB	
	3	5	3"	45° ELL, BW, CS, SCH 40		
	4	1	3"	125# C.I. FLGD GATE VA.	12GF09RZ	
	5	2	3"	1/16 THK. 150# FF GASK. COMP. ASBESTOS RUBBER BONDED		
	6	8	5/8"ø	x 3" LG. HEX. HD. MACH BOLTS	A307 GR B	
	7	8	5/8"ø	HEAVY HEX NUTS. CL 2 TOL	A307 GR B	
	8	2	1½"	150# RF SW FLG.	A181 GR I OR II	
	9	2	1½"	1/16 THK. 150# FF GASK. COMP. ASBESTOS RUBBER BONDED		
	10	8	1/2"ø	x 2¼" LG. HEX. HD. MACH BOLTS	A307 GR B	
	11	8	1/2"ø	HEAVY HEX NUTS CL. 2 TOL	A307 GR B	
	12	2	1½"	3000# C.S. SW 90° ELL	A181 GR I OR II	
	13	AS REQ	1½"	SMLS C.S PIPE SCH 80	A106 GR B	
	14	1	1"	200# THD. BRONZE GLOBE VA	Y100T23	
	15	1	1"	3000# CS THD. PLUG	A-181 GR. I OR II	
	16	1	1"	3000# CS SW COUPLING	A-181 GR. I OR II	
	17	AS REQD	1"	PIPE (SCH 80) SMLS CS	A-106 GR. B	

	REV	DATE	DR. CHK.	DESCRIPTION	REMARKS
MF	7	2/12/99	SGM/FB	RELOCATED TAP FOR Y-100T23 & REV. ORIENTATION OF HAND WHEEL (ADDED DIM. PER RFC-DC-12-2691 (ALBANY)	NO ACTION REQ'D
	2	6/15/72	CRM / RP	ADDED: SPOOLS 9 & 10; PC-MK-1-NSW GS-L1 & L2; BILL OF MATL ITEMS 4 THRU 13. PER AEP DWG 5740-REV-1 ADDED REF DWG 1-57-40 REVISED BY N.P.S. DESIGNS	FIELD ACTION REQ'D / FAB ACTION REQ'D
	3			BY FIELD	
	4	1/31/73	J.Q. / LGR	ADDED: 1" VENT, PC. 1-NSW-GS-L3, DET "A", NOTE 1, ITEMS 14 THRU 17 & P.O. # 792 AEP ARRGT. DWG. 1-5744 REV. 5	FIELD ACTION REQ'D —
	5	3/15/73	J.Q. / I.F.	REVISED BY N.P.S. DESIGNS. REVISED P.C. MKS. 1-NSW-GS-6 & 1-NSW-GS-7. ADDED FIELD NOTE, FW'S ITEMS 1 & 3 PER AEP ARRGT. DWG. 1-5489A REV. 4	FIELD ACTION REQ'D —
	6	12/14/73	G.R. / RTG	REVISED BY N.P.S. DESIGNS. ADDED: NOTE #2. DIMS. 3" 21'-5 7/8" 32'-6" 10". EL. 683'-9¾". QTY IN ITEM #2 WAS (3). DIM. 11¾" WAS 12 7/8" 11½" WAS 13 7/16". EL 696'-0 3/16" WAS 696'-0 9/16". 10" WAS 19½" 15" WAS 13¾" 2'-9 3/8" WAS 2'-9 7/8". EL 676'-7 1/16" WAS 2'-2 5/8" 2'-2 5/8" WAS 2'-3 1/8". EL 671'-8 9/16" WAS 670'-8 1/8". EL 669'-6 1/16" WAS 668'-4 1/4". PER AS BUILT DWGS. REF. DWG. 1-5489A & 1-5740	NO ACTION REQ'D.

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	

DESIGN SPEC.	DCCPM102 QC 5
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SP-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. = SMAPE ONE END
B.O.P. = BOTTOM OF PIPE ELEV.
FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD
R = FIELD REWORK
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
# = VERIFY DIMENSION IN FIELD

PIPE													
A-53		A-106		A-376		A-312							
		GR-B											
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160	
						X							
SMLS		WLDD											
X													

FITTINGS		
A-105	A-234	A-182
A-403	A-181	

TESTING			
N.D.T.	N/A		
M.T.	P.T.	R.T.	U.T.
PRESSURE TEST			
MED.	PRESS.	DURATION	

ADDITIONAL

POUR/ZONE No. 1C3
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

FLOW DIAGRAM 1-2-5114A
O.S.L. 01
WELD PROCEDURE SEE NOTE 2

REVISION RECORD		
NO.	DATE	DESCRIPTION

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWN. LGR	DATE 7-29-71	CONTAINMENT BLDG
CKD. GN	DATE 7-31-71	DWG. NO. 1-NSW-65 SH 2 OF 2
ISSUED		REV 7
REF. DWG 1-5489A 1-5740		