ISO SHT. NO. 2711

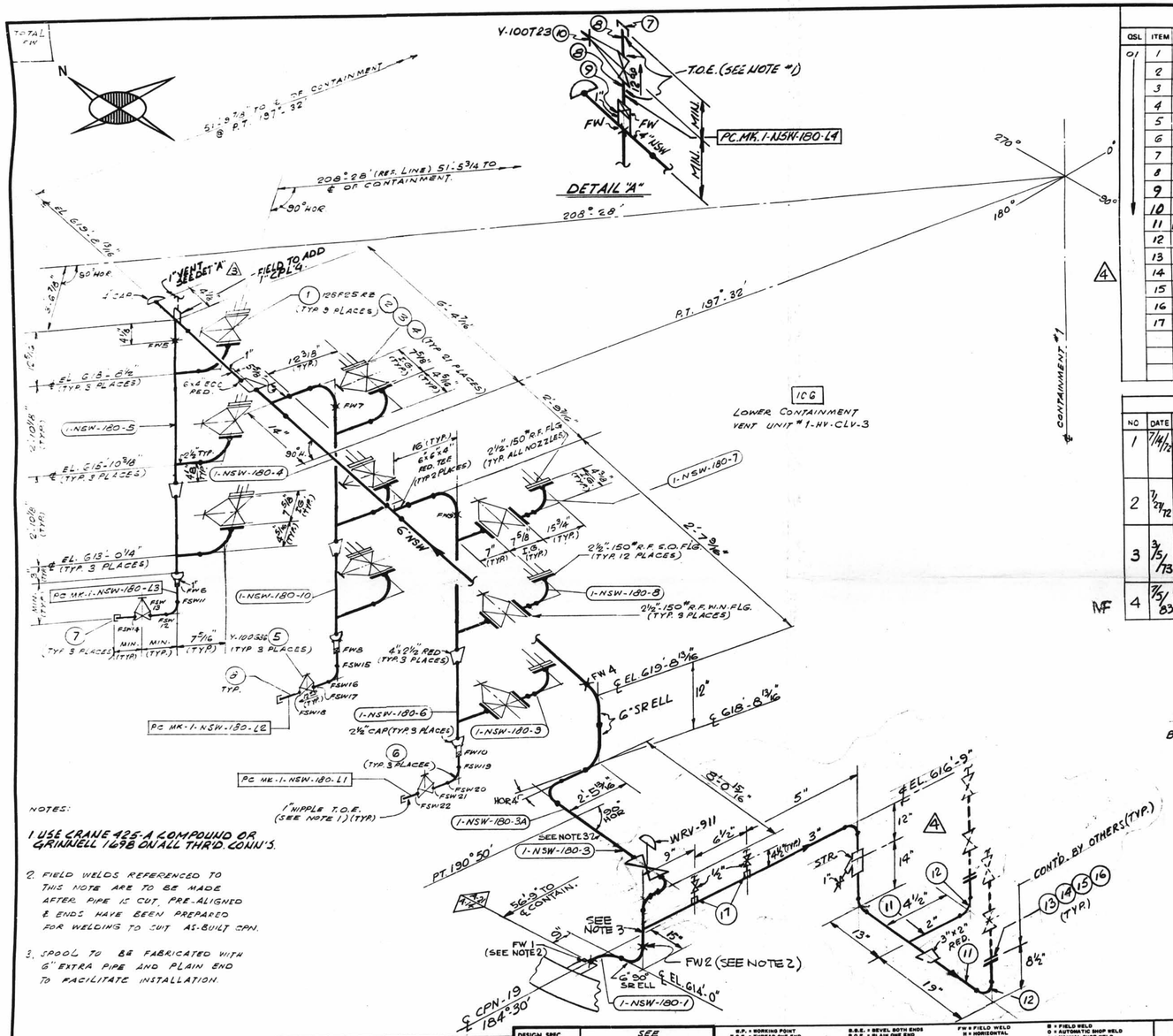
QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	9	2½"	125# C.I. FLGD. GATE VA.	12GF25RB	
	2	21	2½"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	3	84	5/8"Ø	3" LG. HEX. HD. MACH BOLT	A-307 GR. B.	
	4	84	5/8"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	5	3	1"	600# C.S. S.W. GATE VA	Y-100G3G	
	6	3	1"	3000# S.W. 90° ELL.	A-181 GR. I OR II	
	7	4	1"	3000# SCRD CAP	↓	
	8	AS REQ'D	1"	PIPE SCH. 80 SMLS C.S.	A-106 GR. B.	
	9	1	1"	3000# S.W. H.CPL'G. C.S.	A-181 GR. I OR II	
	10	1	1"	200# GLOBE VA. SCR'D C.S.	Y-100T23	
	11	AS REQ'D.	2"	PIPE, SCH. 80, SMLS. C.S.	A-106 GR. B	
	12	2	2"	3000# C.S., S.W. 90° ELL	A-181 GR. A OR B.	
	13	2	2"	150# C.S., S.W., R.F. FLANGE	↓	
	14	8	5/8"Ø	2¾" LG. MACHINE BOLTS	A-307 GR. B	
	15	8	5/8"	HEAVY HEX. NUTS	↓	
	16	2	2"	1/16" THK., FULL FACE ASB./RUB. GASKET		
	17	2	1½"	3000# S.W. HALF COUPLING, C.S.	A-181 GR. A OR B	

REVISION RECORD

NO	DATE	DR. / CH.	DESCRIPTION	REMARKS
1	7/14/72	SG / R.P.	REVISED BY N.P.S. DESIGNS REVISED FABRICATOR & ADDED DIM'S	— / FAB. ACTION REQ'D
2	7/24/72	CRM / LJB	REVISED CONFIGURATION OF PCs 1-NSW-180-1, 2 & 3 AND ADDED PC 1-NSW-180-3A REMOVED HOLDS PER AEP ARRGT DWG 1-5692-4	FAB ACTION REQ'D
3	3/15/73	J.Q. / I.F.	REVISED BY N.P.S. DESIGNS. ADDED 1" CALL TO PC. MK. 1-NSW-180-4. FWS FIELD NOTE. SITE FAB. PC. MK. 1-NSW-180-L4, DET. "A", B/M ITEMS 9 & 10. REV. NOTE #1 QTY. OF B/M ITEM 7 WAS 9 PER AEP ARRG'T. DWG. 1-5692-REV. 5	FIELD ACTION REQ'D / —
4	7/5/83	VB / J.D.	PER RFC-DC-12-2231 REVISED PIPING & ADDED WRV-911 VALVE & PIPING TO DELUGE VALVES, PER AS BUILT INFO.	NO FIELD ACTION REQ'D.

P.O.#	PIECE MARK
BY TAYLOR	1-NSW-180-1
	2
	3
	3A
	4
	5
	6
	7
	8
	9
	10

D-66



NOTES:

1 USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THRD. CONN'S.

2. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO CUT AS-BUILT CPN.

3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.

6	20	5
4	20	3
2½	20	—
1	3	5

A-14 DESIGN SPEC. DCCPM 103 QCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL- 4
WELD PROCEDURE -
QSL- 04 TESTING 100% R.T. & N.

A-81 DESIGN SPEC. DCCPM 108 QCS
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL- N.A.
WELD PROCEDURE -
QSL- 01 TESTING N.A.

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP.

R.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
B.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
B = FIELD WELD
O = AUTOMATIC SHOP WELD
X = MANUAL SHOP WELD
R = VERIFY DIMENSION IN FIELD

PIPE

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

FITTINGS

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

TESTING

N.D.T. SEE DESIGN CODE STAMP

M.T.	P.T.	R.T.	U.T.

PRESSURE TEST

MED.	PRESS.	DURATION

ADDITIONAL

POUR/ZONE No. 10 G
REQUIRED COMPLETION DATE
FABRICATED BY TAYLOR
FLOW DIAGRAM 1-2-5114A
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP.

NPS DESIGNS INC.
NEW YORK, N.Y.

LIVSEY & COMPANY, INC.
INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

FABRICATOR NOTE:
FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS.

DWN. SG DATE 6-29-72 CONTAINMENT BLDG.
CKD. R.P. DATE 7/7/72
ISSUED
REF. DWG. 1-5602
DWG. NO. 1-NSW-180
REV. 4

1-NSW-180
Lower Containment Ventilation
Unit 3 Supply Line