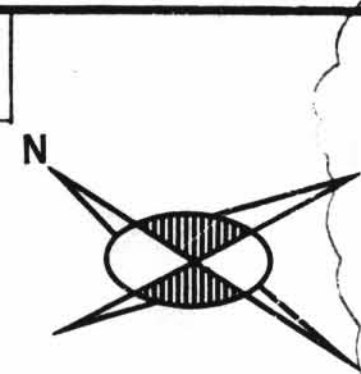


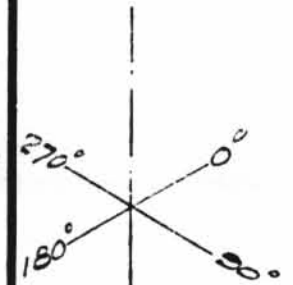
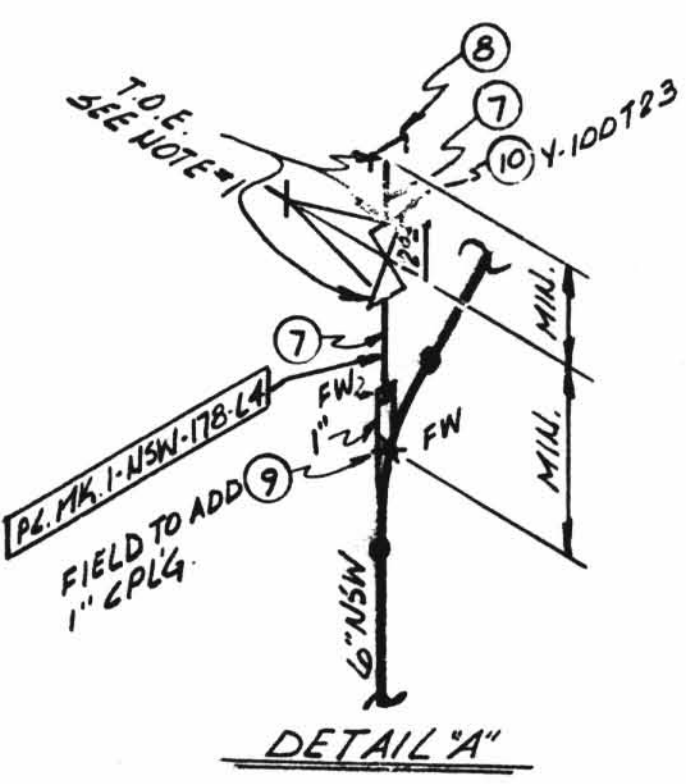
TOTAL FW 10



SUPPORT MARK NUMBERS  
GENERAL FIELD LOCATION  
OF SUPPORTS ONLY  
FOR EXACT LOCATIONS SEE PIPE  
SUPPORT DETAIL

INDICATES LOCATION OF PIPE  
SUPPORT AND SUPPORT DETAIL  
NUMBER

HANGER MARK NOS  
1-GNSW-R-569  
1-GNSW-R-570  
1-GNSW-R-571  
1-GNSW-R-573  
1-GNSW-R-575



CONTAINMENT #1

- NOTES:
- USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONNECTIONS
  - FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
  - SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.

P.O. #	PIECE MARK
	1-NSW-178-1
	-2
	-3
	-4
	-5
	-6
	-7
	-8
	-9
	-10
	SITE FAB. PIECE MARK
	1-NSW-178-L1
	-L2
	-L3
	-L4

SIZE	QUAN.	FW
6	22	3
4	20	3
2 1/2	25	-
1	6	5

DESIGN SPEC.	SEE
A-14 DESIGN SPEC. DCCPM 103 QCN	DESIGN
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS QL	CODE
WELD PROCEDURE	STAMP
QSL-04 TESTING 100% RT B.W.	
A-81 DESIGN SPEC. DCCPM 102 QCS	GR B
HANGER SEISMIC CLASS	II
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
PIPE	
A-33	A-106 A-376 A-312
STD.	XY XXY 10 20 30 40 60 80 100 120 140 160
FITTINGS	
A-103	A-234 A-182
TESTING	
A-403	A-181
PRESSURE TEST	
AIED.	PRESS. DURATION

W.P. - WORKING POINT	T.O.E. - 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. - SQUARE ONE END
B.O.P. - BOTTOM OF PIPE ELEV.	F.W. - FIELD WELD	H - HORIZONTAL	V - VERTICAL
	S.W. - SHOP WELD	SW - SHOP WELD	FSW - FIELD SHOP WELD

POUR/ZONE No. 103	FLOW DIAGRAM 1-SHA
REQUIRED COMPLETION DATE	Q.S.L. SEE DESIGN
FABRICATED BY TAYLOR	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. ARRG'T DWGS.	CONTAINMENT BLDG. DWG. NO. 1-NSW-178
ISSUED	REV. 4
REF. DWG. 1-5692	

QSL	ITEM	QTY	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L	HEAT NO.
01	1	9	2 1/2	125" C.I. FLGD. GATE VA	12SF25R2	
	2	21	2 1/2	1/2" THK FULL FACE COMP ASBESTOS		
	3	84	5/8	3" LG. HEX HD MACH BOLT	4-307	
	4	84	5/8	HEAVY HEX. NUT CL 2TOL	GR. 5	
	5	3	1	3000" C.S. SW GATE VA	Y-100G33	
	6	3	1	3000" C.S. SW 90° ELL	GR. I OR II	
	7	AS REQ'D	1	PIPE (SCH 80) C.S. SMLS	GR. I OR II	
	8	4	1	3000" C.S. THD. CAP	GR. I OR II	
	9	1	1	3000" SW. HALE CPL'G C.S.	GR. I OR II	
	10	1	1	200" GLOBE VA. SCR'D BRASS	Y-100T23	

REV	DATE	BY	CHK	DESCRIPTION	REMARKS
1	7/13/72	J.Q.	dB	ADDED: PC MK 1-NSW-178-10 & CHGD LOC. OF FW 4 TO SUIT. ADDED: HOLD TO PCS 1-NSW-178-1, 2 & 3. VARIOUS DIM'S AS NOTED. CHGD FABRICATOR	FAB ACTION REQ'D
2	7/26/72	A.S.	dB	REVISED CONFIGURATION OF PCS 1-NSW-178-1, 2 & 3 & REMOVED HOLDS ON SAME. A.E.P. ARRG'T DWG. 1-5692 REV. 4	FAB ACTION REQ'D
3	3/15/73	J.Q.	I.F.	REVISED BY N.P.S. DESIGNS ADDED: 1" CPL'G TO PC MK 1-NSW-178-3, FW'S FIELD NOTE, SITE FAB. PC MK 1-NSW-178-L1, DET. A, BIM ITEMS ① & ②. REV. NOTE #1, QTY OF BIM ITEM ① WAS 3 PER A.E.P. ARRG'T DWG. 1-5692 REV. 5	FIELD ACTION REQ'D
4	8/1/86	D.K.	LM	PER R.F.C. DC-12-2876 ADDED SUPPORT MARK NOS, SUPERSEDED HGR 150 1-GNSW-178, TO REFLECT AS-BUILT CONDITIONS	NO FIELD ACTION REQ'D

1-NSW-178  
Lower Containment Ventilation  
Unit 1 Supply Line

D-64