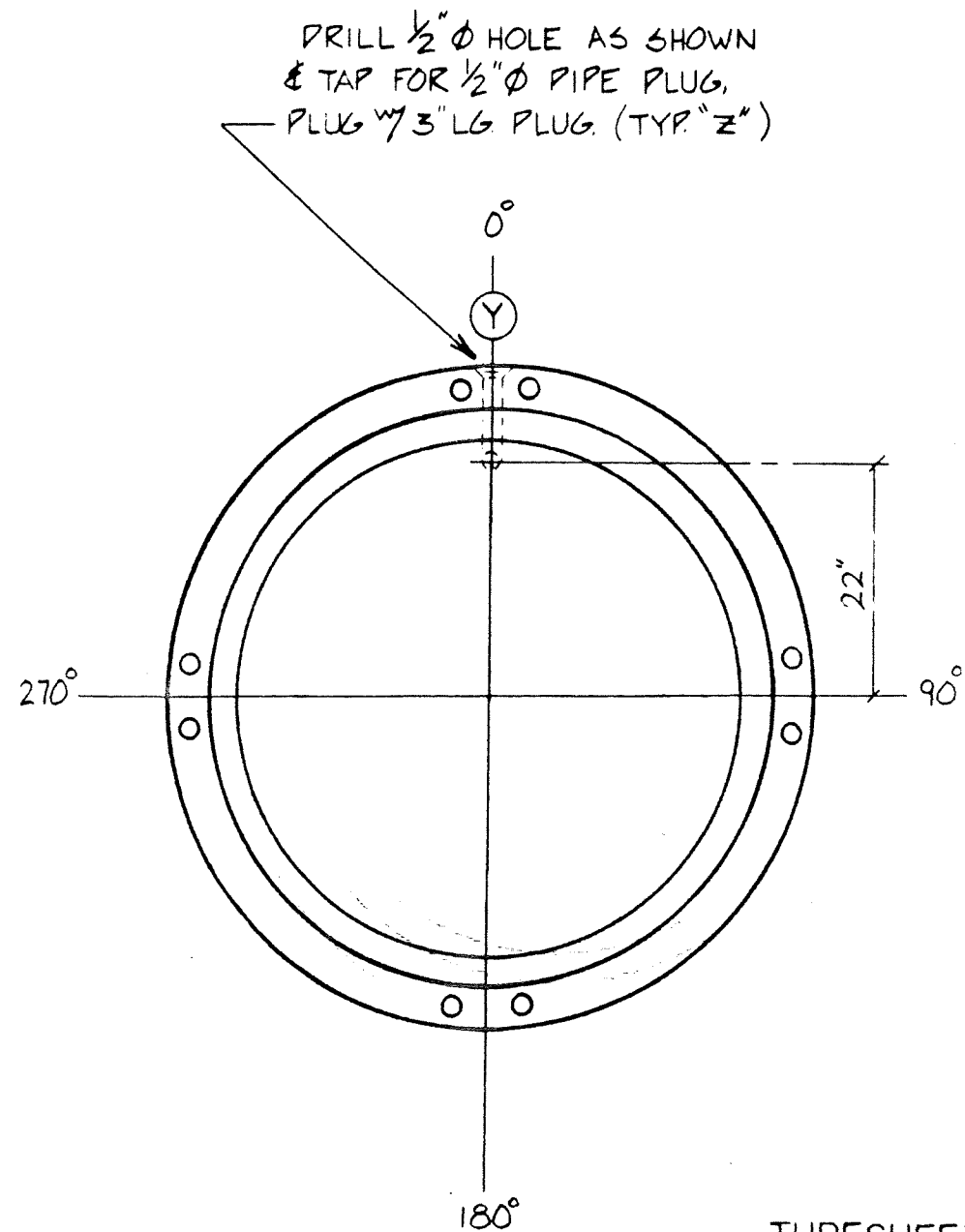
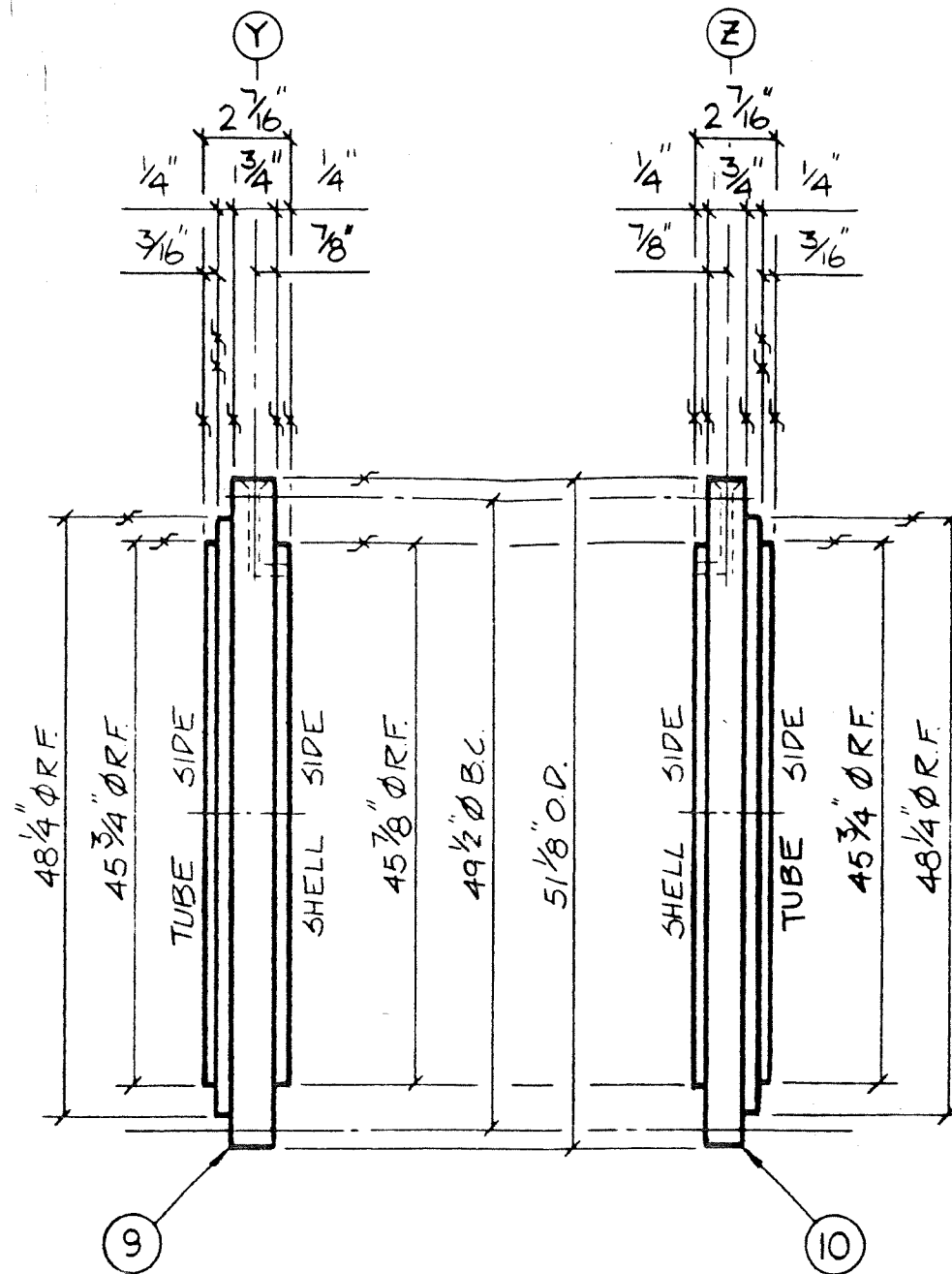
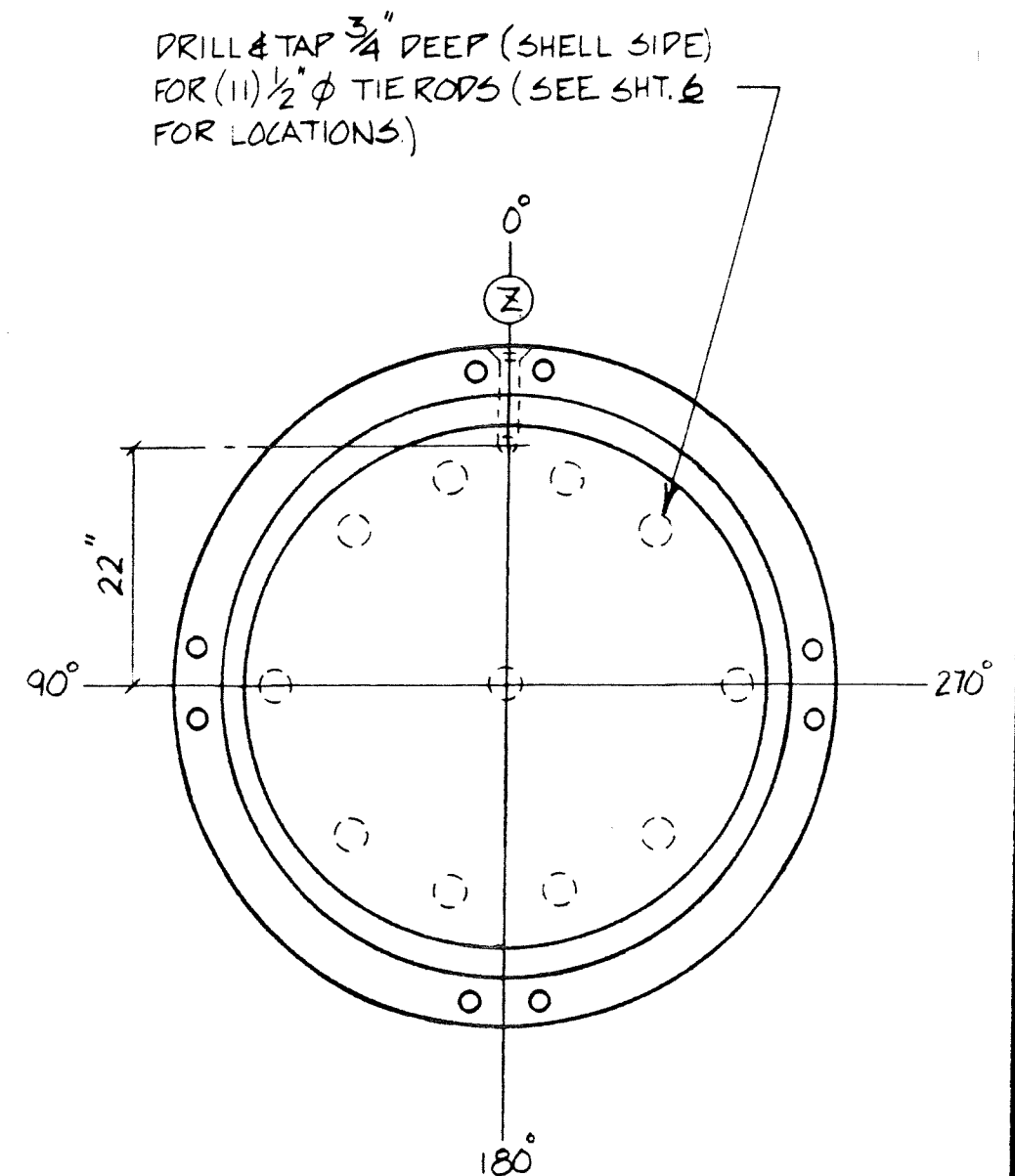




TUBESHEET #9
MAT'L. SA-516-70



TUBESHEET #10
MAT'L. SA-516-70



REAM & GROOVE TUBE HOLES PER DETAIL ON SHT. 11

REV.
△ FOR APPROVAL
△ CERTIFIED 2-11-92 LEF

EXELL, INC.

SURFACE MICRO-FINISH

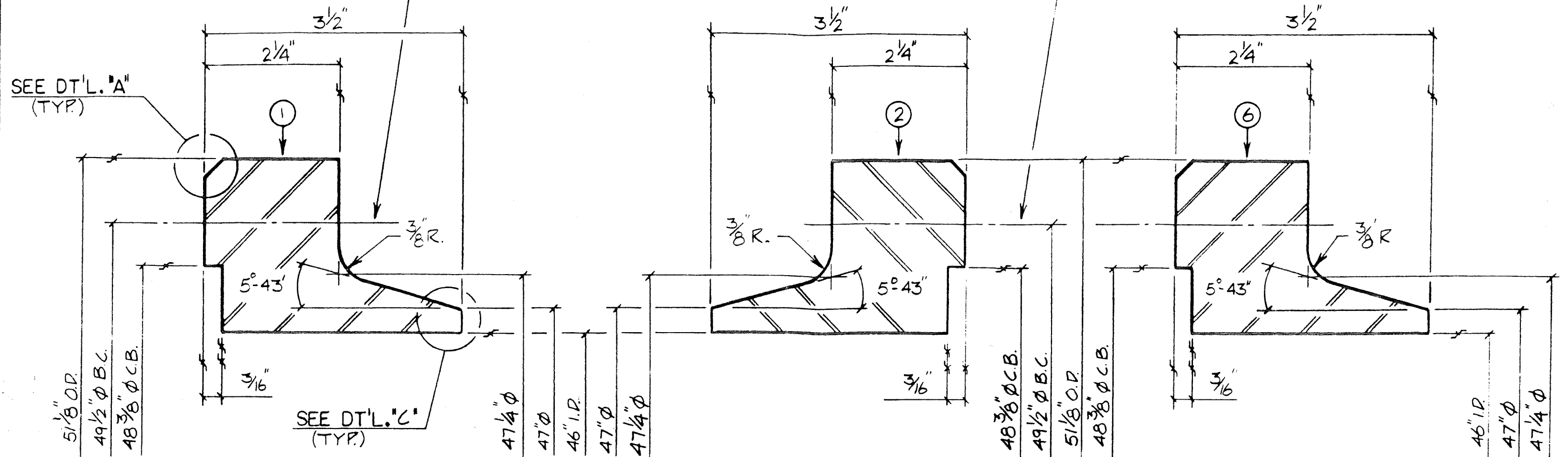
λ = 250 R.M.S.
 $\lambda\lambda$ = 125 R.M.S.

TUBESHEET DETAIL

DRW'N.	GRI	12-13-91	NO. REQD. ONE	TYPE: AEM
CHK'D.	DG	1-11-92	ITEM NO. E-1531	
APV'D.	LEF	1-11-92	DWG. NO. 7840	SHT. 8 OF 11

DRILL (52) $\frac{7}{8}$ " ϕ HOLES, EQUAL
SPACE & STRADDLE ϕ

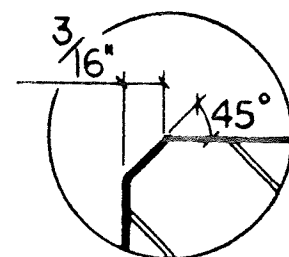
DRILL (52) $\frac{7}{8}$ " ϕ HOLES, EQUAL
SPACE & STRADDLE ϕ



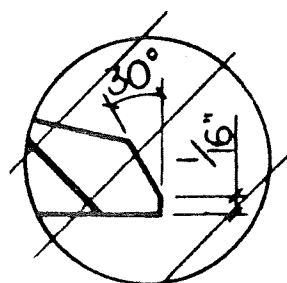
MAT'L. SA-105-N

MAT'L. SA-105-N

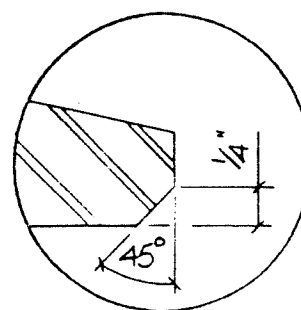
MAT'L. SA-105-N



DETAIL 'A'
(TYP.)



DETAIL 'B'



DETAIL 'C'

SURFACE MICRO-FINISH

χ = 250 R.M.S.
 $\chi\chi$ = 125 R.M.S.

BODY FLANGE DT'L.

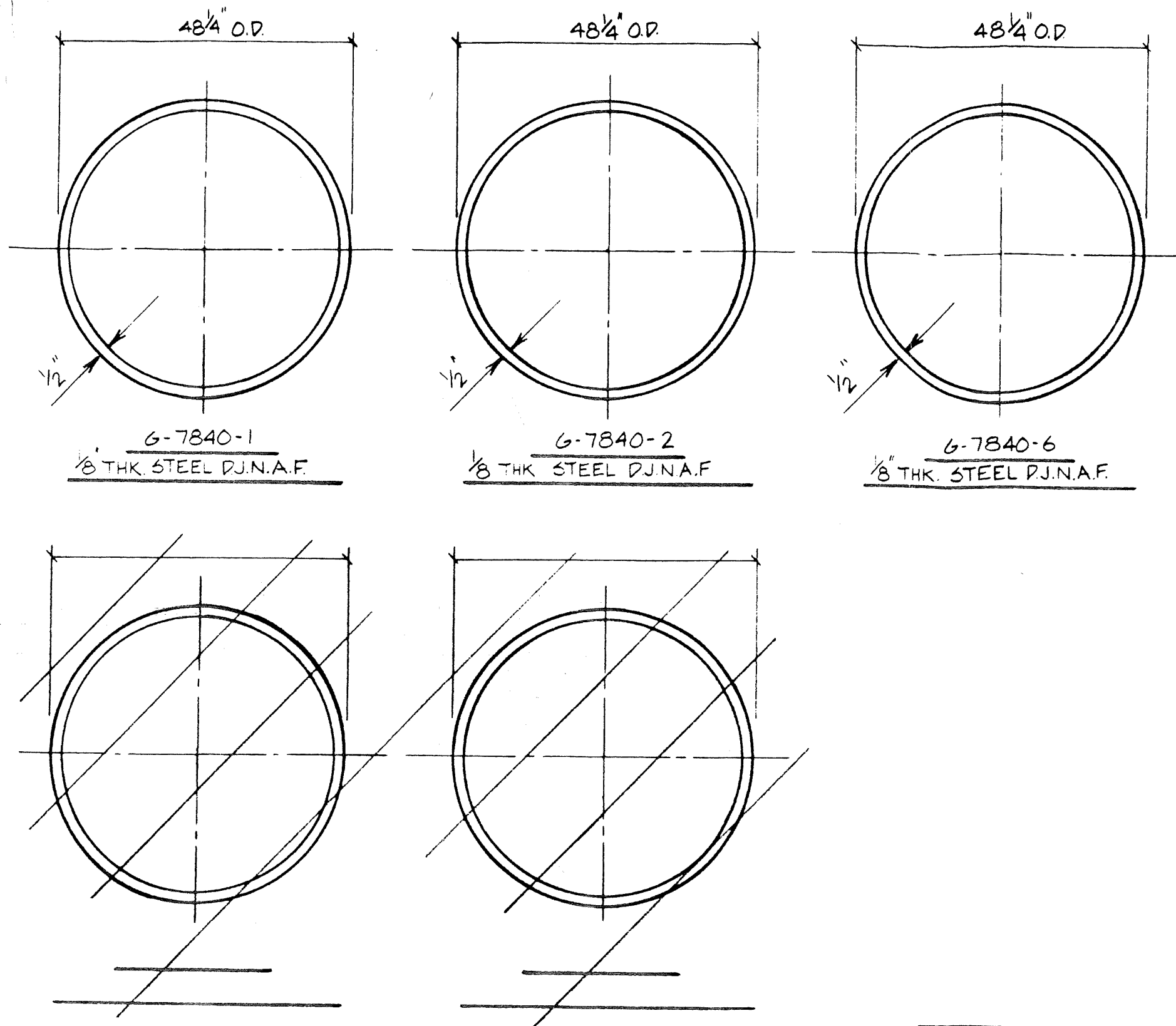
REV.

△ FOR APPROVAL

△ CERTIFIED 2-11-92 LEF

EXELL, INC.

DRW'N.	GRI	12-13-91	NO. REQ'D. ONE	TYPE: AEM
CHK'D.	DG	1-11-92	ITEM NO. E-1531	
APV'D.	LEF	1-11-92	DWG. NO. 7840	SHT. 9 OF 11



NOZZLE GASKETS

MK	NO. REQ'D.	SIZE	RATING	TYPE FLG.	GASKET MATERIAL
W	1	1"	150#	RFWN	1/16" COMP. NON-ASB.

BOLT SCHEDULE

MATERIAL

STUDS: SA-193-B7
 NUTS: SA-194-CL.2H AMERICAN STD. HVY. HEX.
 (2 REQ'D. EACH STUD)

LOCATION	TAG	NO. REQ'D.	DIA.	LGTH.
COV. N° 11 TO FLG. N° 1	11-1	52	3/4"	6 1/8"
FLG. N° 2 TO T.S. N° 9	2-9	52	3/4"	6"
T.S. N° 10 TO FLG. N° 6	10-6	52	3/4"	6"
NOZZ W TO BLIND FLG.	W	4	1/2"	2 1/2"

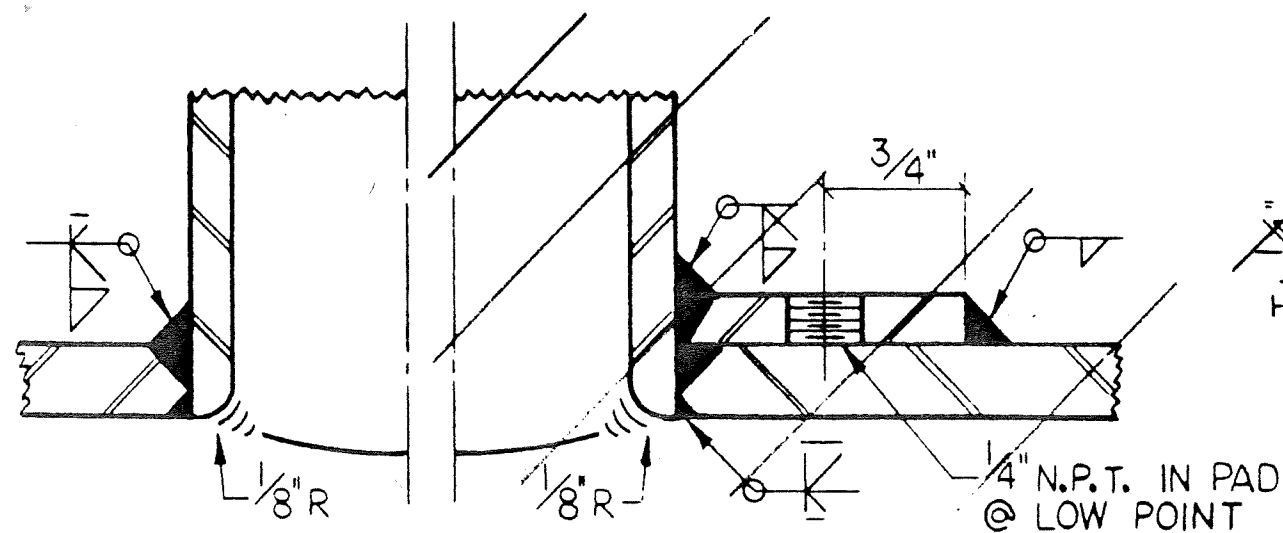
ALL RADII AT FLG. TO RIB & RIB TO RIB JUNCTIONS TO BE 3/8" EXCEPT 1/2" WHEN BOTH FLG. & RIB WIDTH EQUAL OR EXCEED 1/2"

REV.
 △ FOR APPROVAL
 1 CERTIFIED 2-11-92 LEF

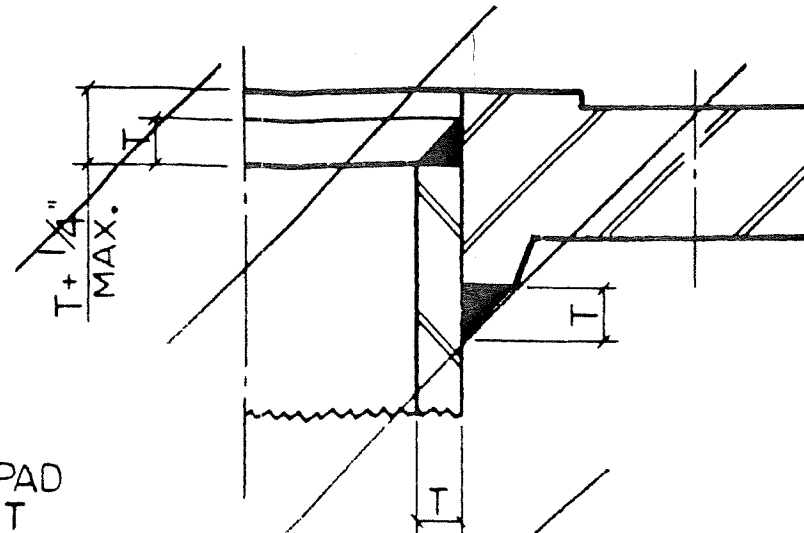
EXELL, INC.

GASKET DETAIL

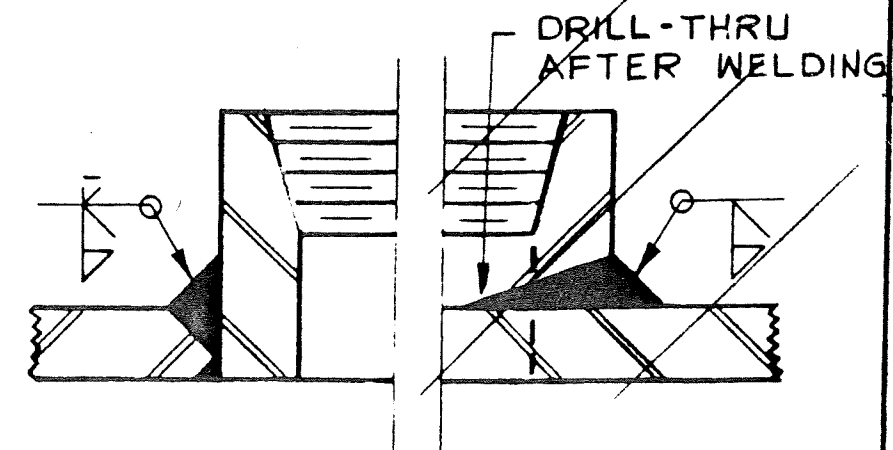
DRW'N.	GR1	12-16-91	NO. REQ'D. ONE	TYPE: AEM
CHK'D.	DG	1-11-92	ITEM NO. E-1531	
APV'D.	LEF	1-11-92	DWG. NO. 7840	SHT. 10 OF 11



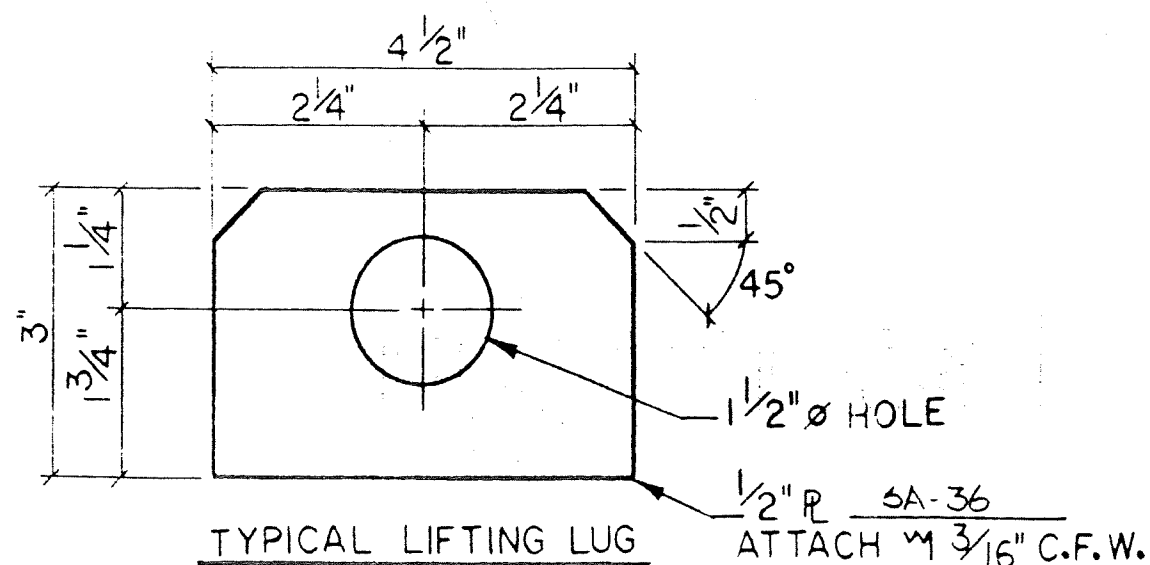
TYPICAL NOZZLE NECK WELDS



TYPICAL SLIP ON FLANGE WELDS



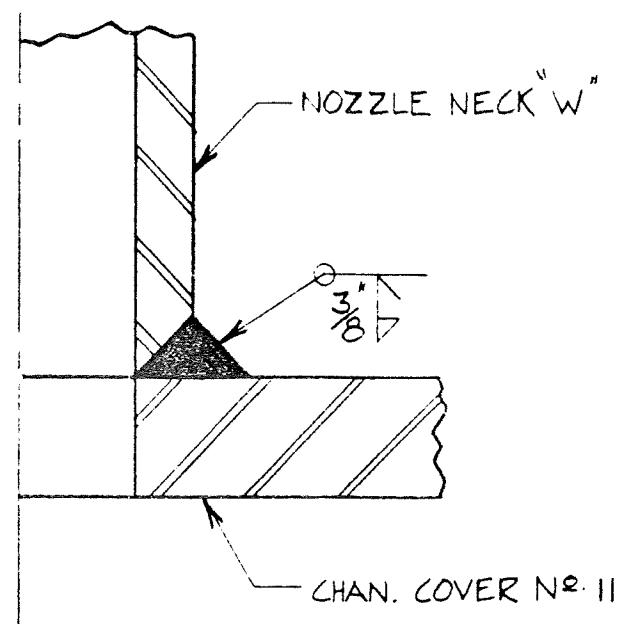
TYPICAL COUPLING WELDS



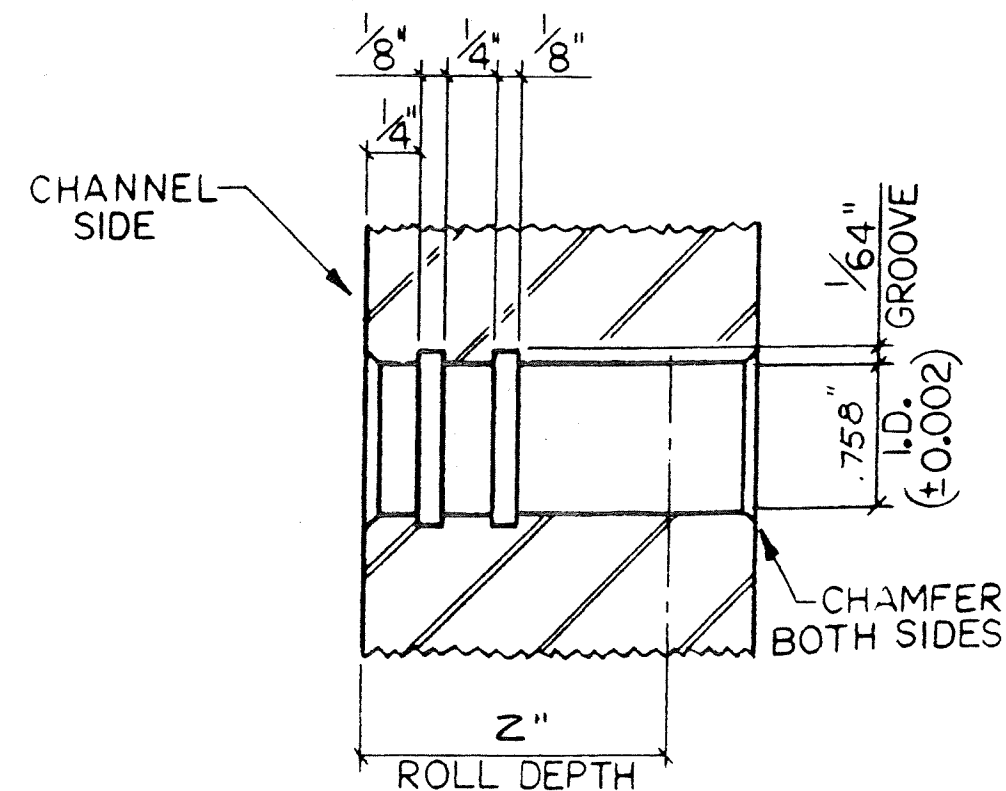
TYPICAL LIFTING LUG

(6) REQ'D EA. EXCH.

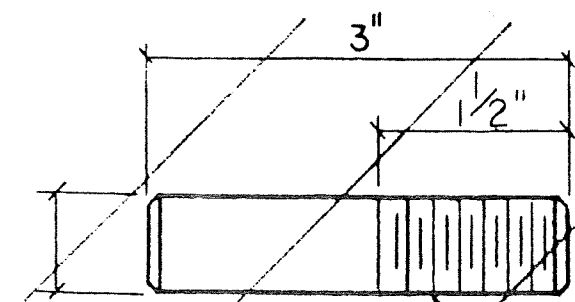
DO NOT LIFT ASSEMBLED EXCHANGER BY LIFT LUGS. THEY ARE FOR FIT UP USE ONLY.



NOZZ. "W" WELD DETAIL



TYPICAL TUBEHOLE GROOVING



N.C. 2 THR'D. TYPICAL BAR PLUG

() REQ'D. EA. EXCH. MAT'L.

REV.
 △ FOR APPROVAL
 △ CERTIFIED 2-11-92 LEF

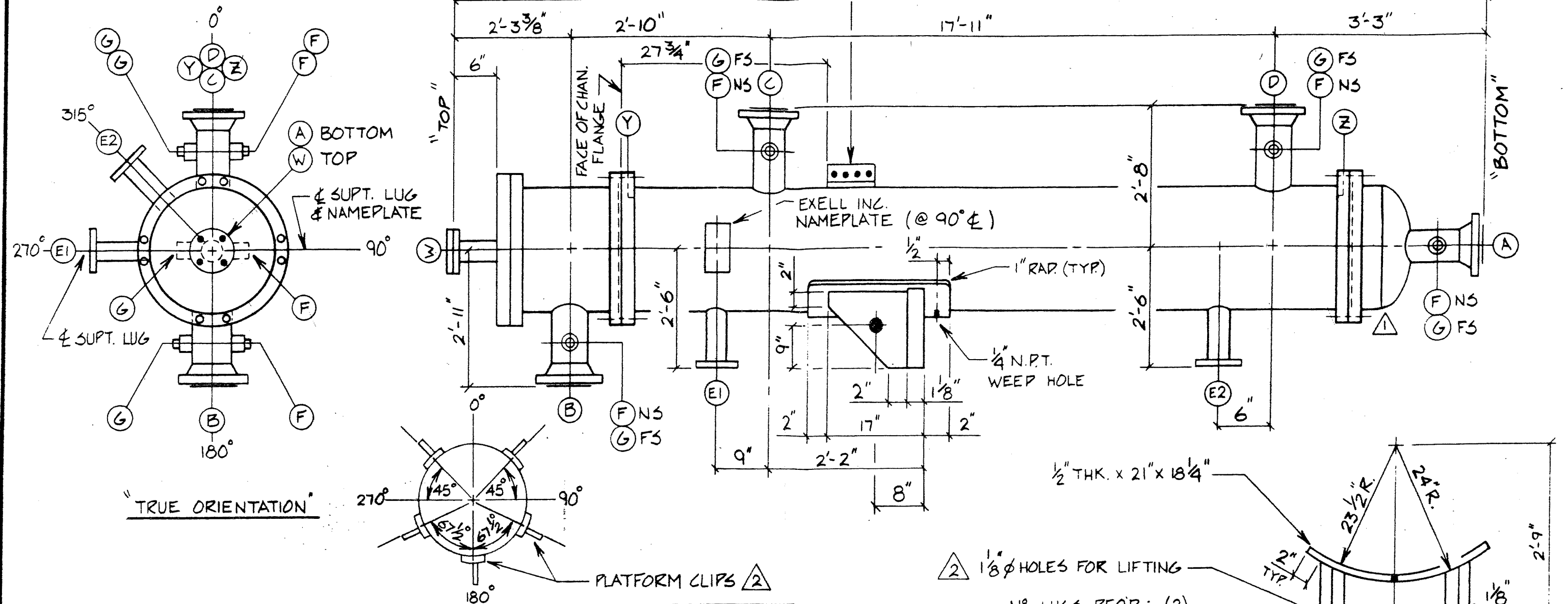
EXELL, INC.

STANDARD DETAILS

DRW'N.	GRI	12-16-91	NO. REQ'D. ONE	TYPE: AEM
CHK'D.	DG	1-11-92	ITEM NO. E-1531	
APV'D.	LEF	1-11-92	DWG. NO. 7840	SHT. 11 OF 11

△ (5) PLATFORM SUPT. CLIPS REQ'D.
SEE DETAILS ON SHEET 4

26'-3 7/8" OVERALL



G	4	1"	6000#	CPLG.	—	INST. CONN.	W/ 3" LG. PLUG
F	4	3/4"	6000#	CPLG.	—	INST. CONN.	W/ 3" LG. PLUG
Z	1	1/2"	—	N.P.T.	—	DRAIN	W/ 3" LG. PLUG
Y	1	1/2"	—	N.P.T.	—	VENT	W/ 3" LG. PLUG
W	1	1"	150#	RFLWN	AS SHOWN	VENT	W/ BLIND
E2	1	1"	150#	RFLWN	2'-6"	VENT	— — — —
E1	1	1"	150#	RFLWN	2'-6"	VENT	— — — —
D	1	6"	150#	RFWN	2'-8"	OUTLET	X- STG. BORE
C	1	8"	150#	RFWN	2'-8"	INLET	X- STG. BORE
B	1	16"	150#	RFWN	2'-11"	OUTLET	X- STG. BORE
A	1	8"	150#	RFWN	AS SHOWN	INLET	X- STG. BORE
MK.	NO. REQ'D.	SIZE	RATING	TYPE	PROJ. FROM CL	SERVICE	REMARKS

SCHEDULE OF OPENINGS

REV.
△ FOR APPROVAL
△ ADD BTM. CHAN. CYL.
△ ADD LIFT HOLES & PLATFORM CLIPS 2-11-92
"CERTIFIED" LEF

EXELL, INC.

OUTLINE

DRW'N.	GRI	12-10-91	NO. REQ'D. ONE	TYPE: AEM
CHK'D.	DG	1-11-92	ITEM NO. E-1531	
APV'D.	LEF	1-11-92	DWG. NO. 7840 SHT. 2 OF 11	