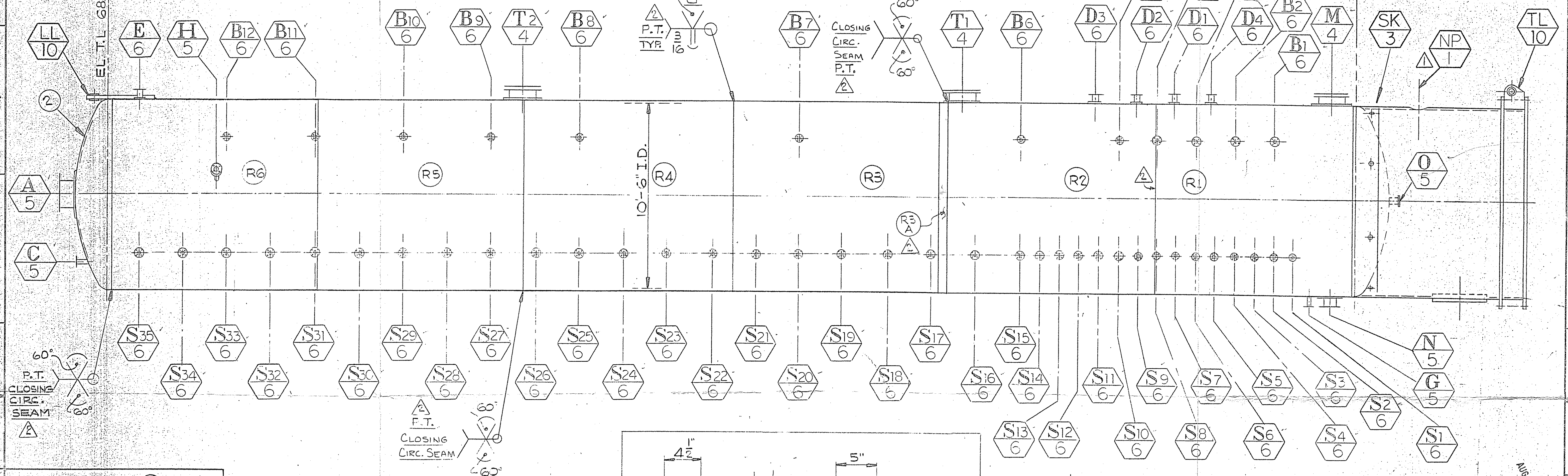


SEE SHT. 7 FOR
TRAY ELEVATIONS,
SHT. 8 FOR TRAY ORIENT.
SHT. 9 FOR TRAY DETAILS.

ALL DIM'S ARE TAKEN
FROM BOTTOM T.L.
.875" MIN. THK. F&D.
HEAD 10'-0" SPH.
RAD. 7 3/4" K. RAD.
(TYP. BOTH ENDS)



FURN. STD. "T" BRACKET (5) WITH
A 2" PROJ. FOR EACH NAME R.

NOOTER CORPORATION
ST. LOUIS, MISSOURI
DUPONT ORDER NO. LBP-64962W
DUPONT PROJ. NO. 9157
EN. NO. 1801-7011-10
PLANT: BEAUMONT
MATL.: SA-240 GR. 304L
DUPONT INSPECTOR:

SERIAL NUMBER 913417 YEAR 1991

FURN. NOOTER SUPPLEMENTAL NAME R
WITH THE INFORMATION AS SHOWN

NAT'L. BD. 1-2323
CERTIFIED BY NOOTER CORPORATION
ST. LOUIS, MISSOURI
MAXIMUM ALLOWABLE WORKING PRESSURE
INT.: 125 PSIG AT 200°F
EXT.: 5.8
RT-4
MONT +20 MAWP
SERIAL NUMBER 913417 YEAR 1991

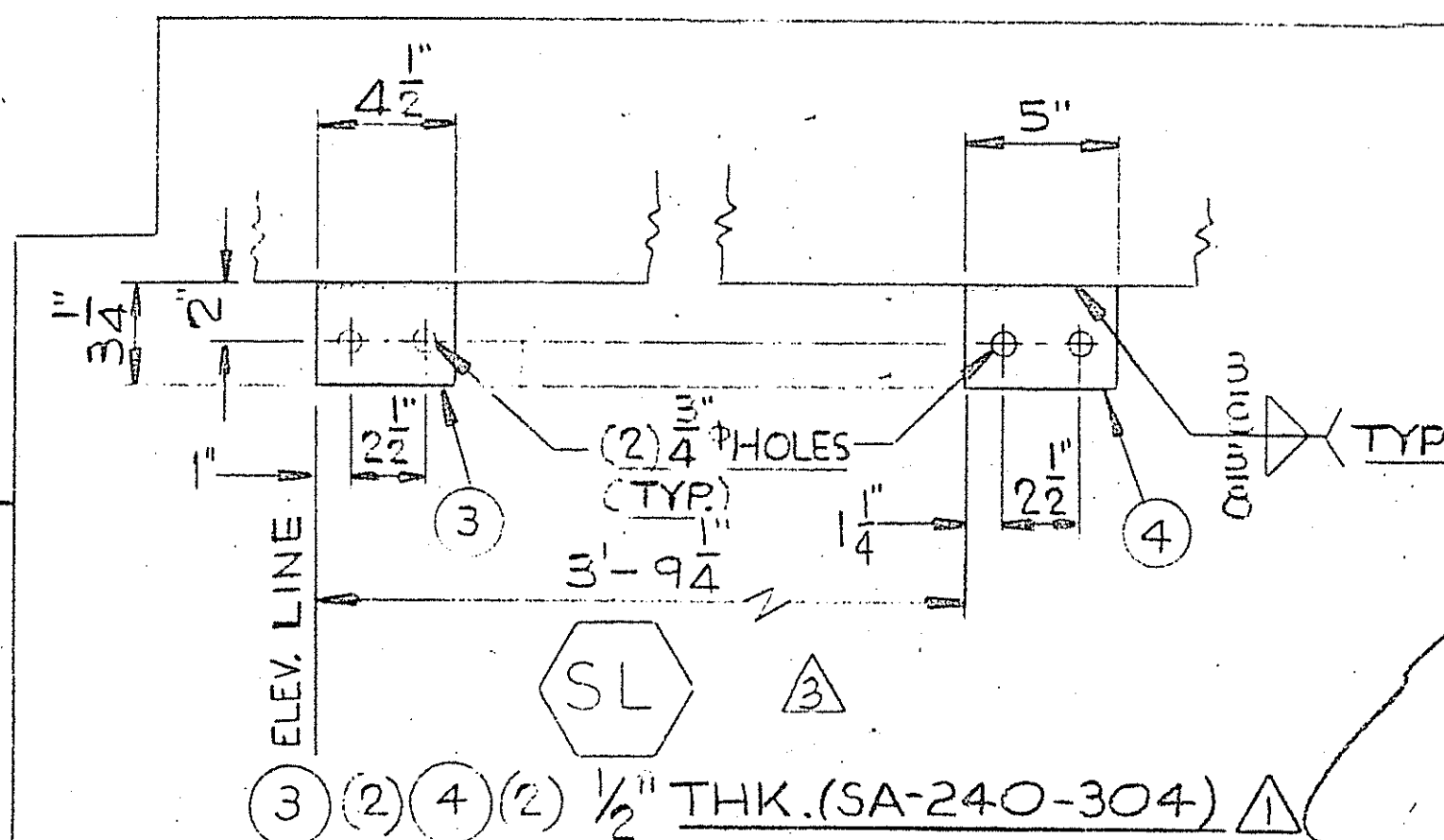
NP NOOTER CODE
NAME R

AIR TEST

SEE NOTE #4

GENERAL NOTES

1. ALL BOLT HOLES TO STRADDLE T.S.
2. BASIC MATERIAL OF CONSTRUCTION: SA-240-304L
3. CORROSION EVALUATE PER
DuPont SPEC. SW-800M.
4. AIR TEST COILS AT 15 P.S.I.G.
UNDER WATER AFTER
FORMING. SPOT X-RAY COIL
BUTT WELDS.



DESIGN

CODE	1989 A.S.M.E. SECT. VIII DIV. 1
LATEST ADDENDA	1989
MAX DESIGN PRESS	INT.: 125 PSIG/EXT.: 5.8 x 1.25 = 7.3 PSIG
MAX DESIGN TEMP.	200°F
JOINT EFF. HEADS	1.0
JOINT EFF. SHELL	.85
CORR. ALLOWANCE	NONE
HYDRO TEST	190 P.S.I.G. (HORIZONTAL)
TEST BASED ON	1.5 (16.7/16.5) (125)
LIMITED BY	DESIGN
HEAT TREATMENT	NONE
OTHER TESTS	SEE GEN'L NOTE #3
SHELL LONG SEAMS	SPOT X-RAY
HEAD SEAMS	FULL X-RAY
HEAD/SHELL SEAMS	SPOT X-RAY
OTHER SHELL CIRCUM. SEAMS	SPOT X-RAY

1. Provide Vessel Weight
2. Empty
3. Hydro, horizontal
4. Provide Clip Detail - Sht 11, PC10. Mount on L.Sht 9. Trim to 3/4\"/>

FABRICATION RELEASE
FOR GENERAL CONFORMITY
TO DIMENSIONS & MATERIALS
SPECIFIED

APPROVED AS NOTED
BY DU PONT FOR THIS ORDER
E. I. DU PONT
DE NEMOURS & CO.
SIGNATURE: DATE: 8-23-91

SEP 18 1991

DPF305829

SHEET # 1

E. I. DUPONT DE NEMOURS & CO.
PLANT BEAUMONT
PROJECT NO. 9157
ORDER NO. LBP-64962W
EN. NO. 1801-7011-10

MICROFILMED
DATE 6-7-91

1-REQ'D.

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NOOTER CORPORATION

P. O. BOX 451
ST. LOUIS, MISSOURI 63166

ABSORBER COLUMN

FOR
E. I. DUPONT DE NEMOURS & CO., INC.

HOUSTON, TX.

DATE 1-4-91 DRAWN D. GARCIA JOB NO. 913417

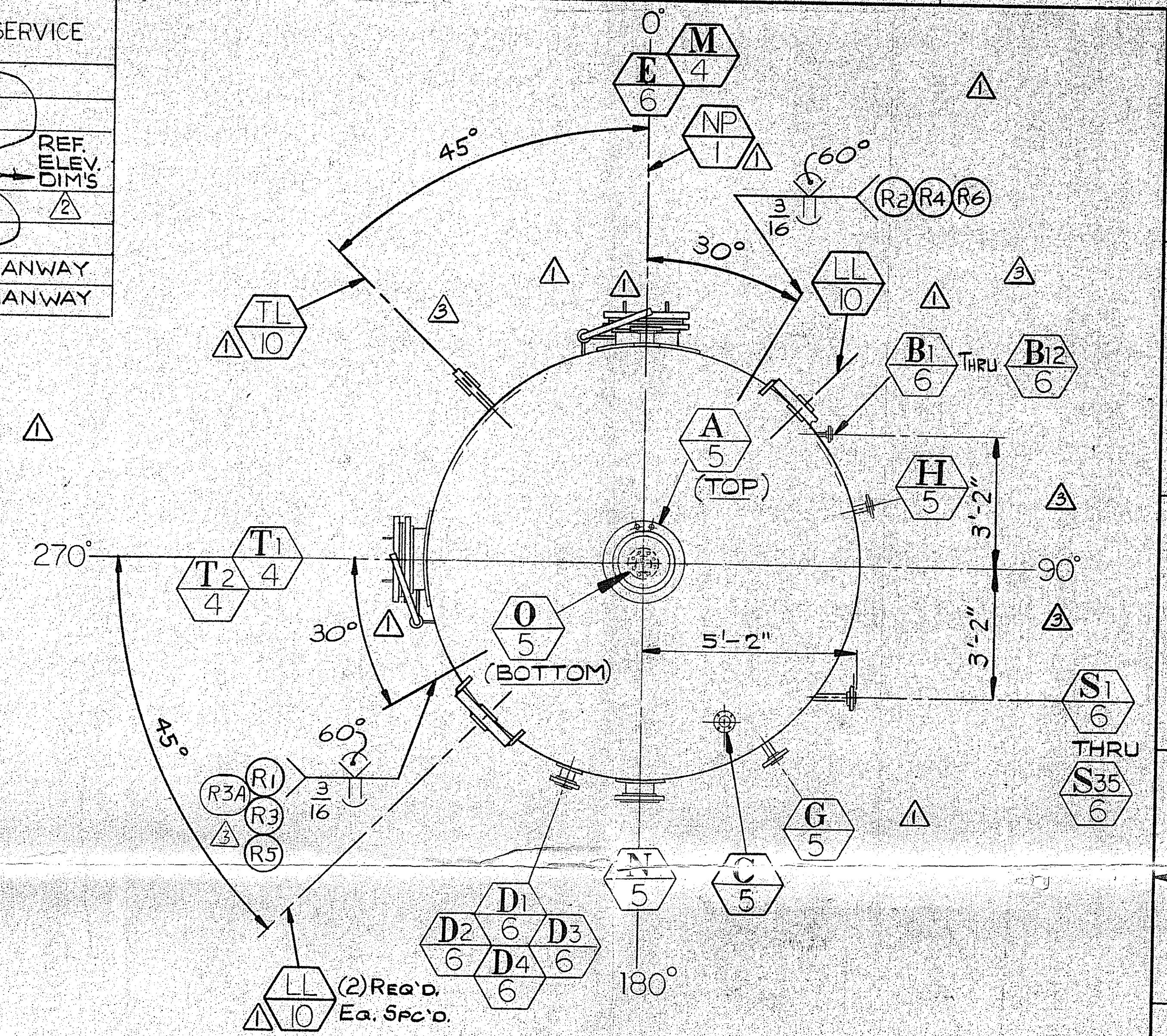
CHK. 2/1/91 DES. B2C DRG. JN-D70964

APPR. M. KELLY APPR. E. SHEET 1 OF 11

NOZZLE DATA			SERVICE	
NOZ.	SIZE/TYPE	LOCATION		
A	18"	(2)		
B1	2"	(R1)	4'-5 3/8"	SEE ORIENT.
B2	2"	(R1)	6'-7 3/8"	
B3	2"	(R1)	8'-9 3/8"	
B4	2"	(R1)	10'-11 3/8"	
B5	2"	(R2)	13'-1 3/8"	
B6	2"	(R2)	18'-6 3/8"	
B7	2"	(R3)	30'-8 5/8"	
B8	2"	(R4)	42'-10 7/8"	
B9	2"	(R5)	47'-9 3/8"	
B10	2"	(R5)	52'-7 7/8"	
B11	2"	(R6)	57'-6 3/8"	
B12	2"	(R6)	62'-4 7/8"	SEE ORIENT.
C	2"	(2)	152°	X=2'-0" Y=3'-9"
D1	4"	(R1)	10'-1"	199°
D2	4"	(R2)	12'-3"	199°
D3	4"	(R2)	14'-5"	199°
D4	4"	(R1)	7'-11"	199°
E	4"	(R6)	67'-3 1/2"	0°
G	2"	(R1)	2'-6"	145°
H	2"	(R6)	62'-11 1/2"	75°
M	18"	(R1)	1'-4"	0°
N	8"	(R1)	1'-4"	180°
O	4"	(1)		X=0" Y=0"
S1	1 1/2"	(R1)	3'-4 3/8"	SEE ORIENT.
S2		(R1)	4'-5 3/8"	
S3		(R1)	5'-6 3/8"	
S4		(R1)	6'-7 3/8"	
S5		(R1)	7'-8 3/8"	
S6		(R1)	8'-9 3/8"	
S7		(R1)	9'-10 3/8"	
S8		(R1)	10'-11 3/8"	
S9		(R2)	12'-0 3/8"	
S10		(R2)	13'-1 3/8"	
S11		(R2)	14'-2 3/8"	
S12		(R2)	15'-3 3/8"	
S13		(R2)	16'-4 3/8"	
S14		(R2)	17'-5 3/8"	
S15		(R2)	18'-6 3/8"	
S16		(R2)	20'-11 5/8"	
S17		(R3)	23'-4 7/8"	
S18		(R3)	25'-10 1/8"	
S19		(R3)	28'-3 3/8"	
S20		(R3)	30'-8 5/8"	
S21		(R3)	33'-1 7/8"	
S22		(R4)	35'-7 1/8"	
S23		(R4)	38'-0 3/8"	
S24		(R4)	40'-5 5/8"	
S25		(R4)	42'-10 7/8"	
S26		(R4)	45'-4 1/8"	
S27		(R5)	47'-9 3/8"	
S28		(R5)	50'-2 5/8"	
S29	1 1/2"	(R5)	52'-7 7/8"	SEE ORIENT.

NOZZLE DATA			SERVICE	
NOZ.	SIZE/TYPE	LOCATION		
S30	1 1/2"	(R5)	55'-1 1/8"	SEE ORIENT.
S31		(R6)	57'-6 3/8"	
S32		(R6)	59'-11 5/8"	
S33		(R6)	62'-4 7/8"	
S34		(R6)	64'-10 1/8"	
S35	1 1/2"	(R6)	67'-3 3/8"	SEE ORIENT.
T1	18"	(R2)	21'-8 7/8"	270°
T2	18"	(R5)	46'-1 3/8"	270°

NOTE:
ELEVATIONS FOR NOZZLES B1 THRU B12
AND S1 THRU S35 ARE SHOWN AS
REFERENCE ONLY. SEE TRAY ELEVATIONS
ON SHT. #7 AND NOZZLE DETAILS ON SHT. #6



NOTE: SEE SHT. #11 FOR PLATFORM CLIP &
SUPPORT LUG ORIENTATIONS

E.I. DUPONT DE NEMOURS & CO.
PLANT BEAUMONT
PROJECT NO. 9157
ORDER NO. LBP-64962W
EN NO. 1801-7011-10

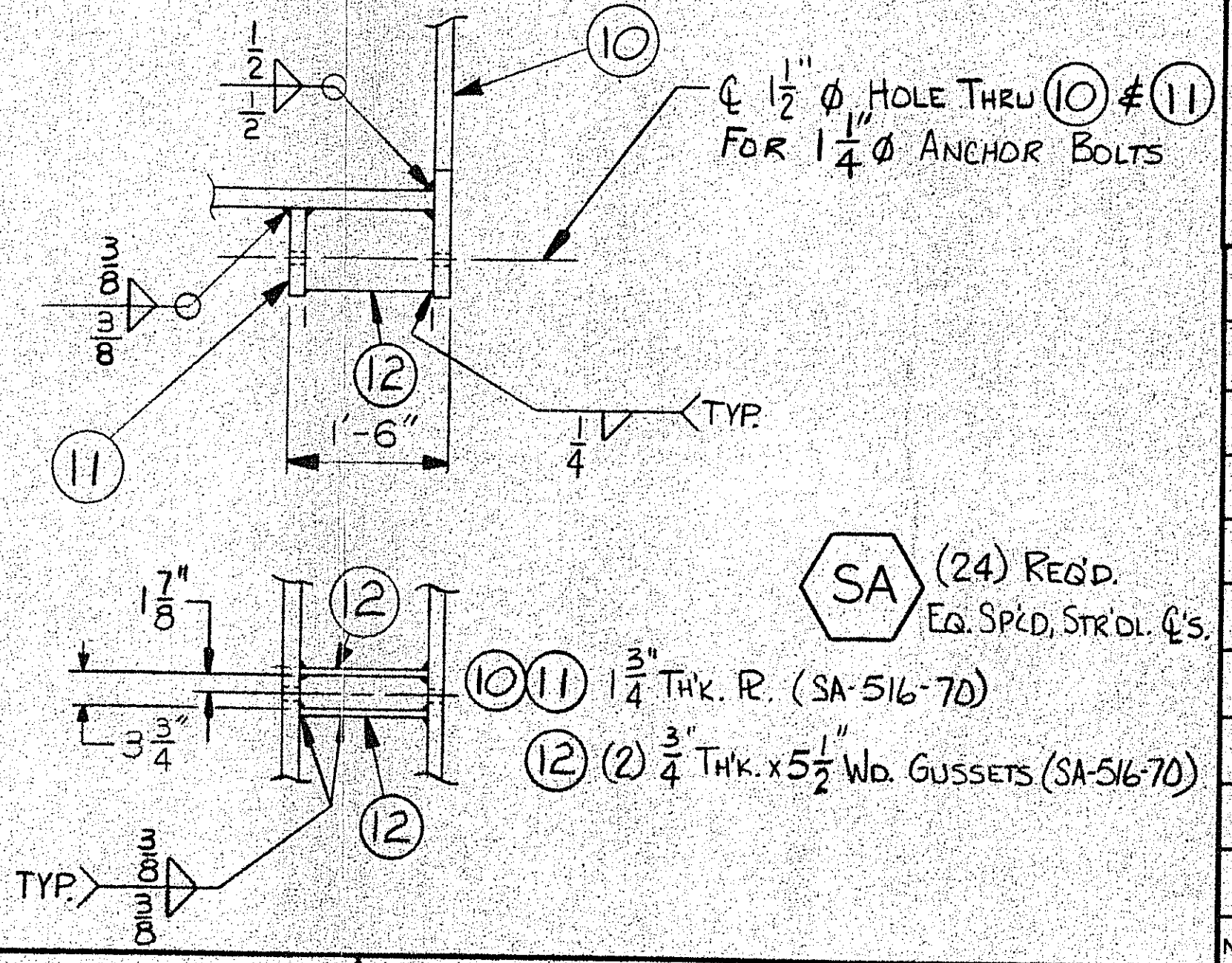
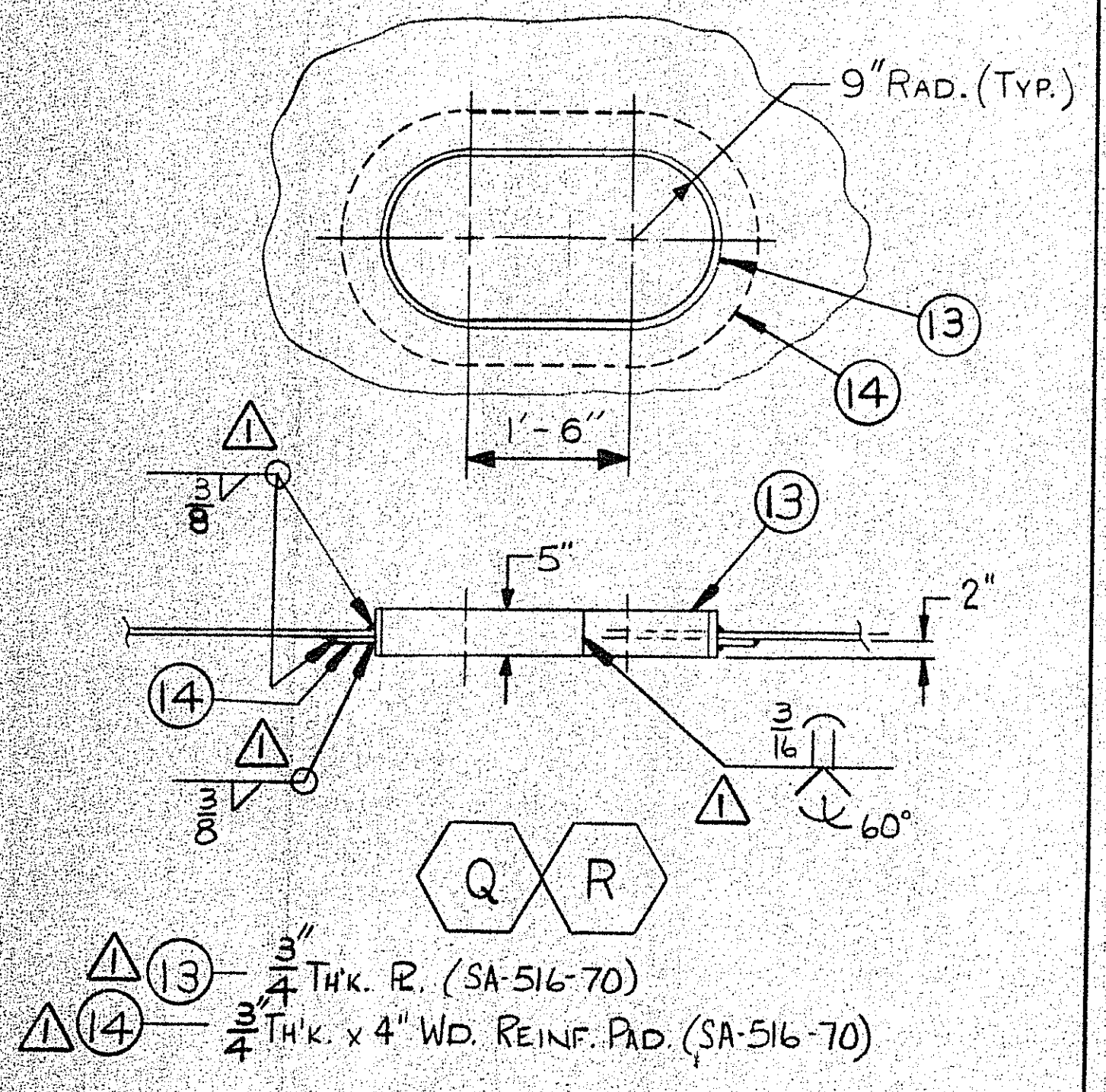
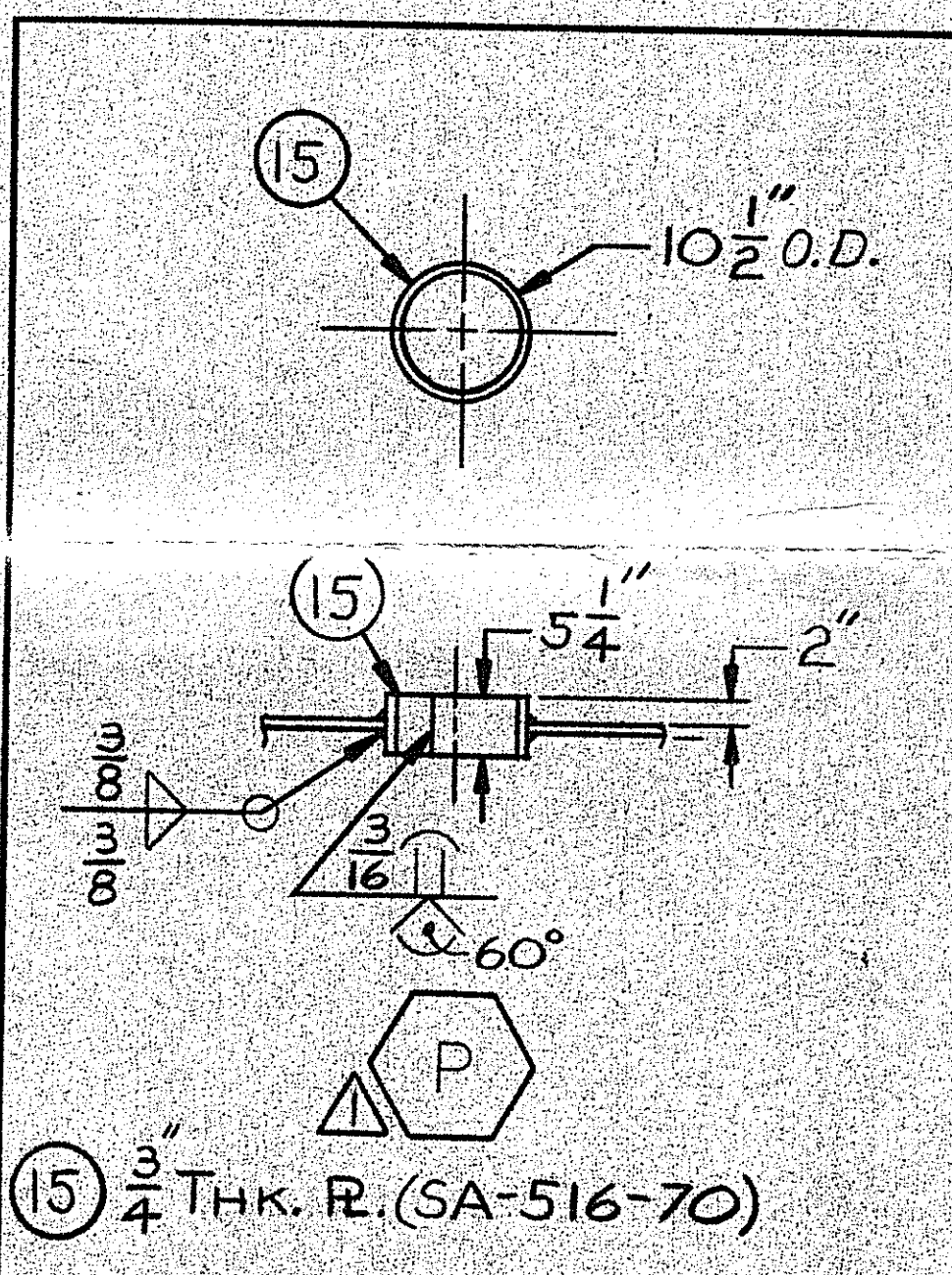
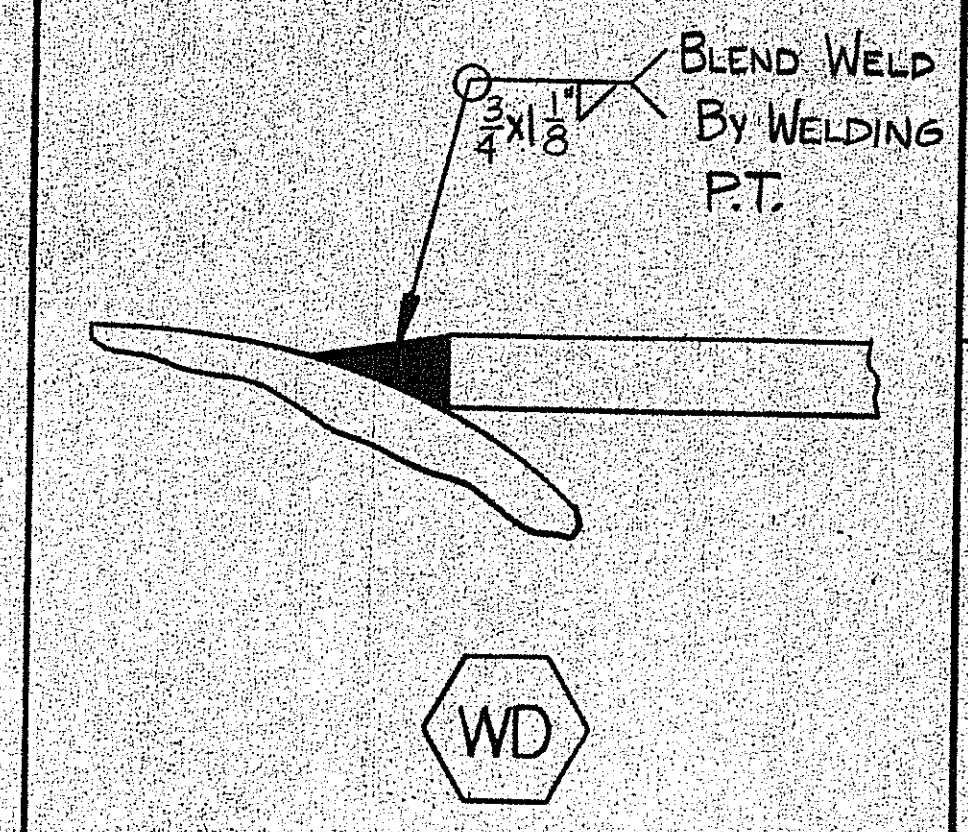
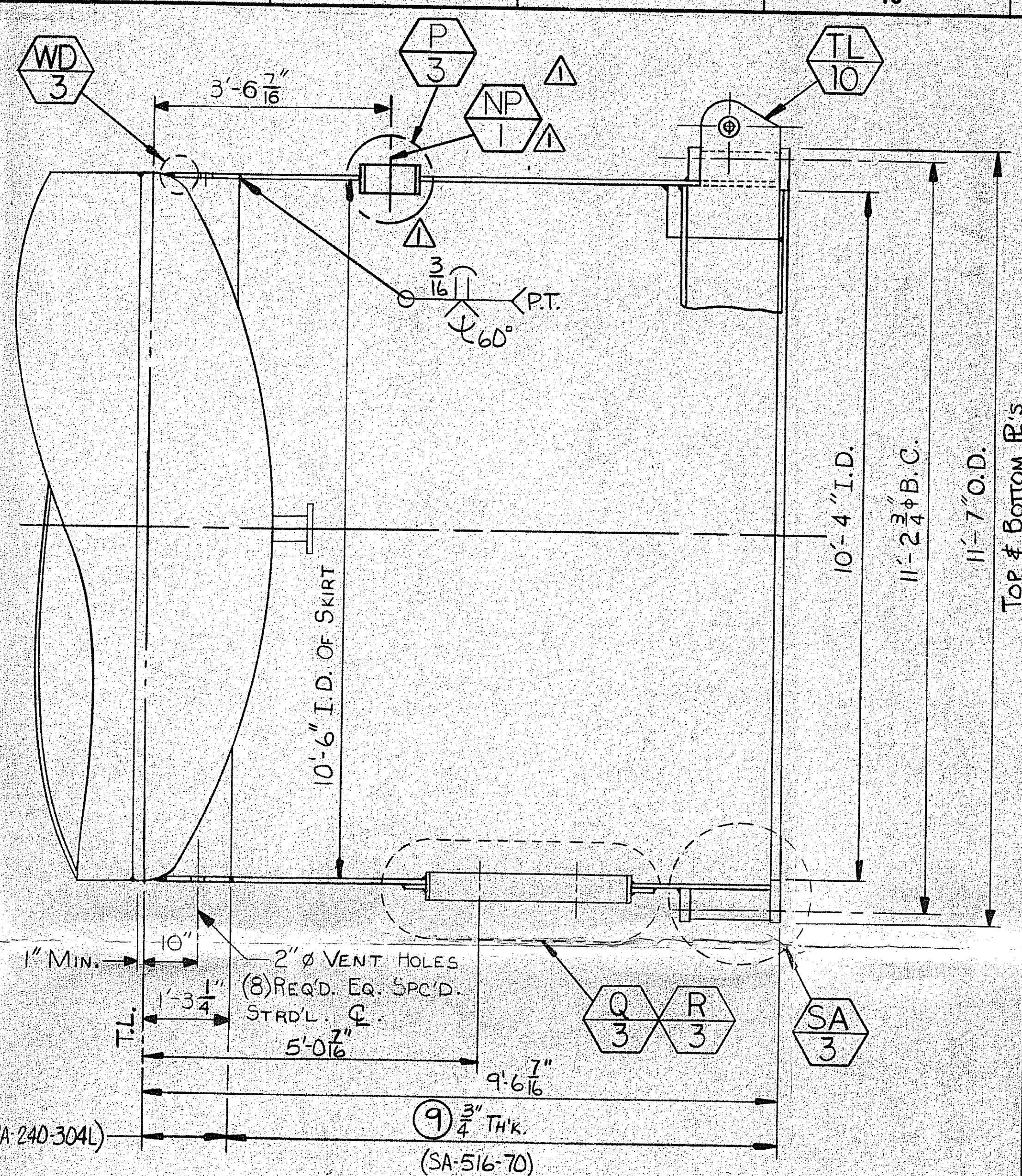
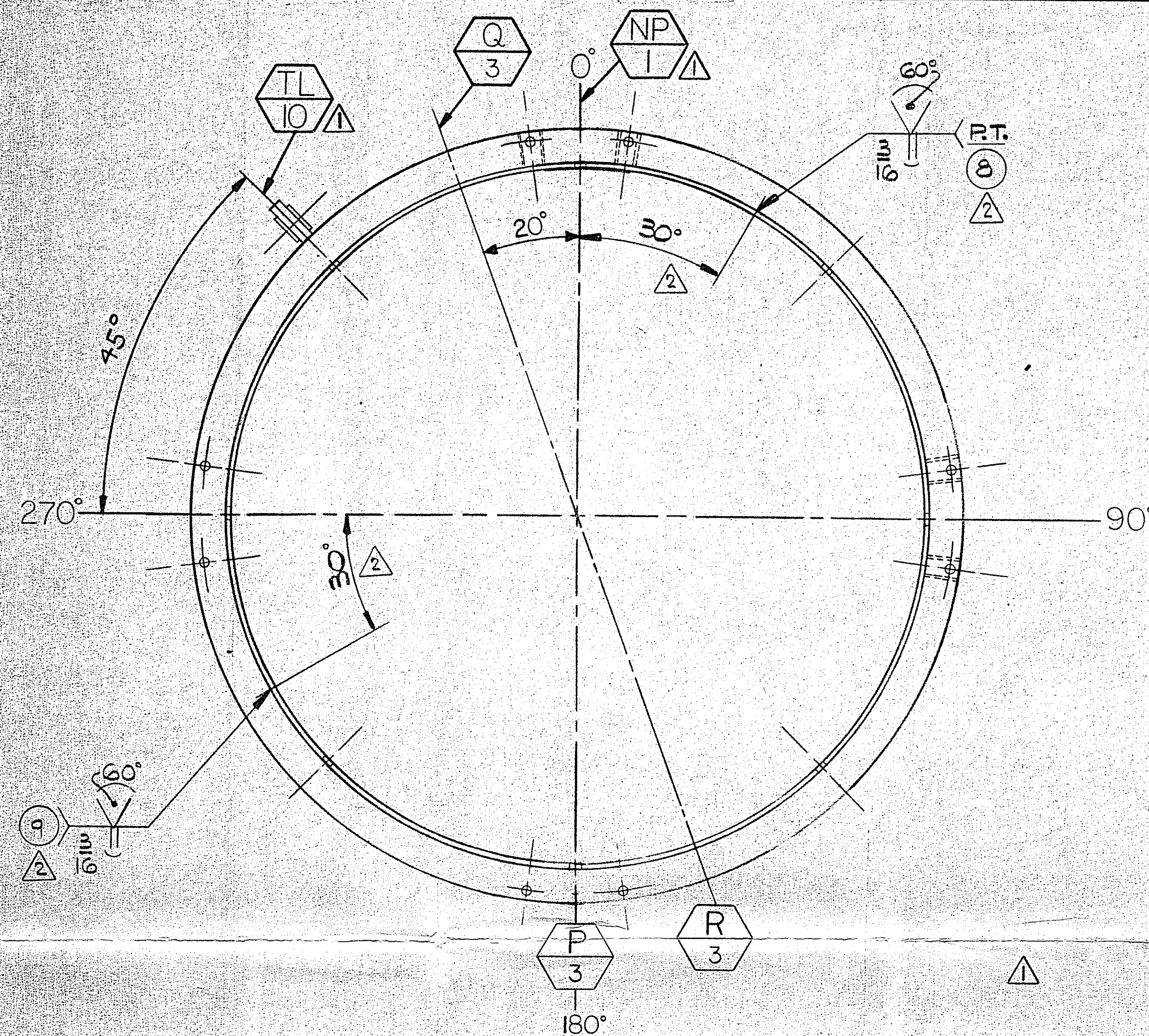
10					
9					
8					
7					
6					
5					
4	6-5	REMOVE HOLD UP NOTE	JHH		
3	5-24	DELETE ORIENT. OF "PC" & "SL". ADDED LG. SEAM "R3A"	DS		
2	4-12	ADDED "REF. ELEV. DIM'S" TO NOZZ. SCHED. REV'D ELEV. OF ALL "S" & "B" NOZZ'S	DS		
1	3-19	ADD'D ORIENT. OF "TL", "LL", "PC" & "SL"	DS		
NO.	DATE	REVISION	BY		

NOTER CORPORATION
P. O. BOX 451
ST. LOUIS, MISSOURI 63166

~ ORIENTATION ~
FOR
ABSORBER COLUMN
FOR ~ E.I. DUPONT DE NEMOURS & Co., Inc.
HOUSTON, TX.

DATE 1-4-91 DRAWN D. GARCIA JOB NO 913417
CHK 2/1/91 DES L. KORB
WILSON APPR M. KELLY DRG. NO. JN-D70964

SHEET 2



NO.	DATE	REVISION	BY
10			
9			
8			
7			
6			
5			
4			
3			
2	4-15-91	ADDED WELD SM. LOCATIONS OF RING "B" & "C"	DS
1	3-20-91	ADD'D. CUST. NO'S, TAILING LUG ORIENT, REV. SKT. OPNG. "P"	DS

E. I. DUPONT DE NEMOURS & CO.
PLANT BEAUMONT
PROJECT NO. 9157
ORDER NO. LBP-64962W
EN NO. 1801-7011-10

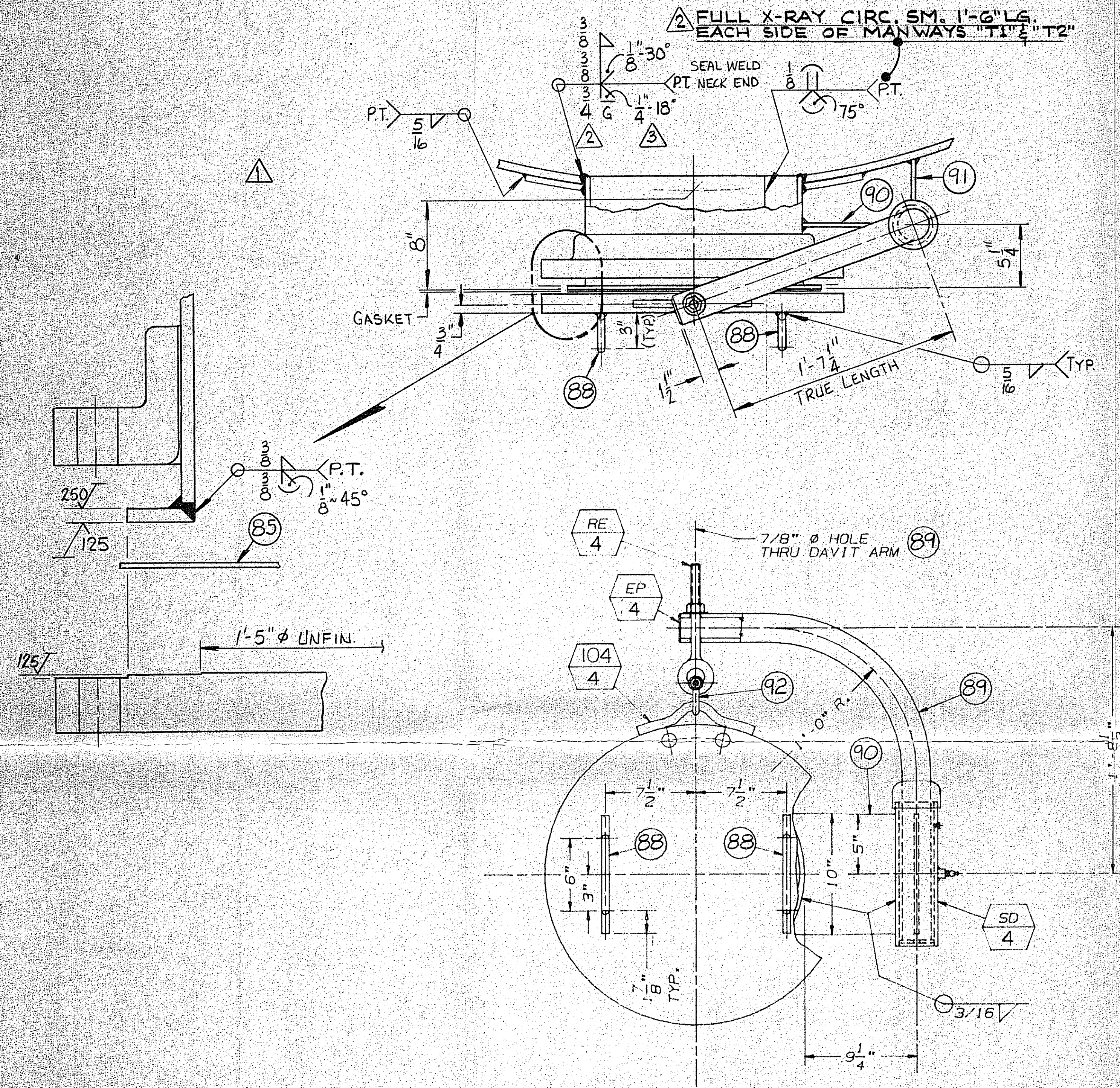
MICROFILMED
DATE 4-15-91

REQ'D.

NOOTER CORPORATION
P. O. BOX 451
ST. LOUIS, MISSOURI 63166

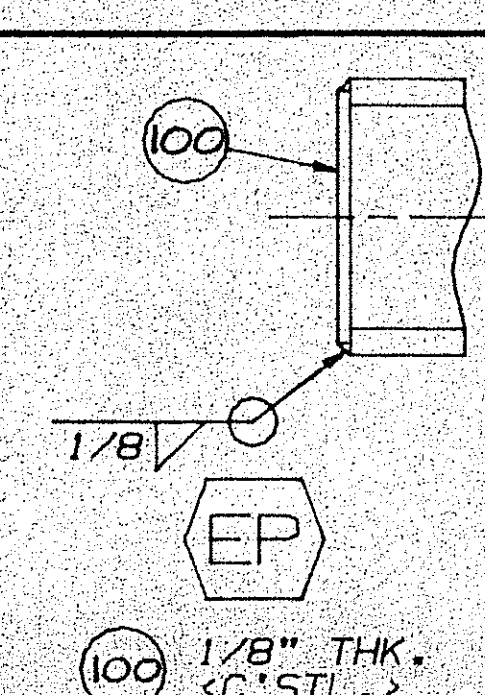
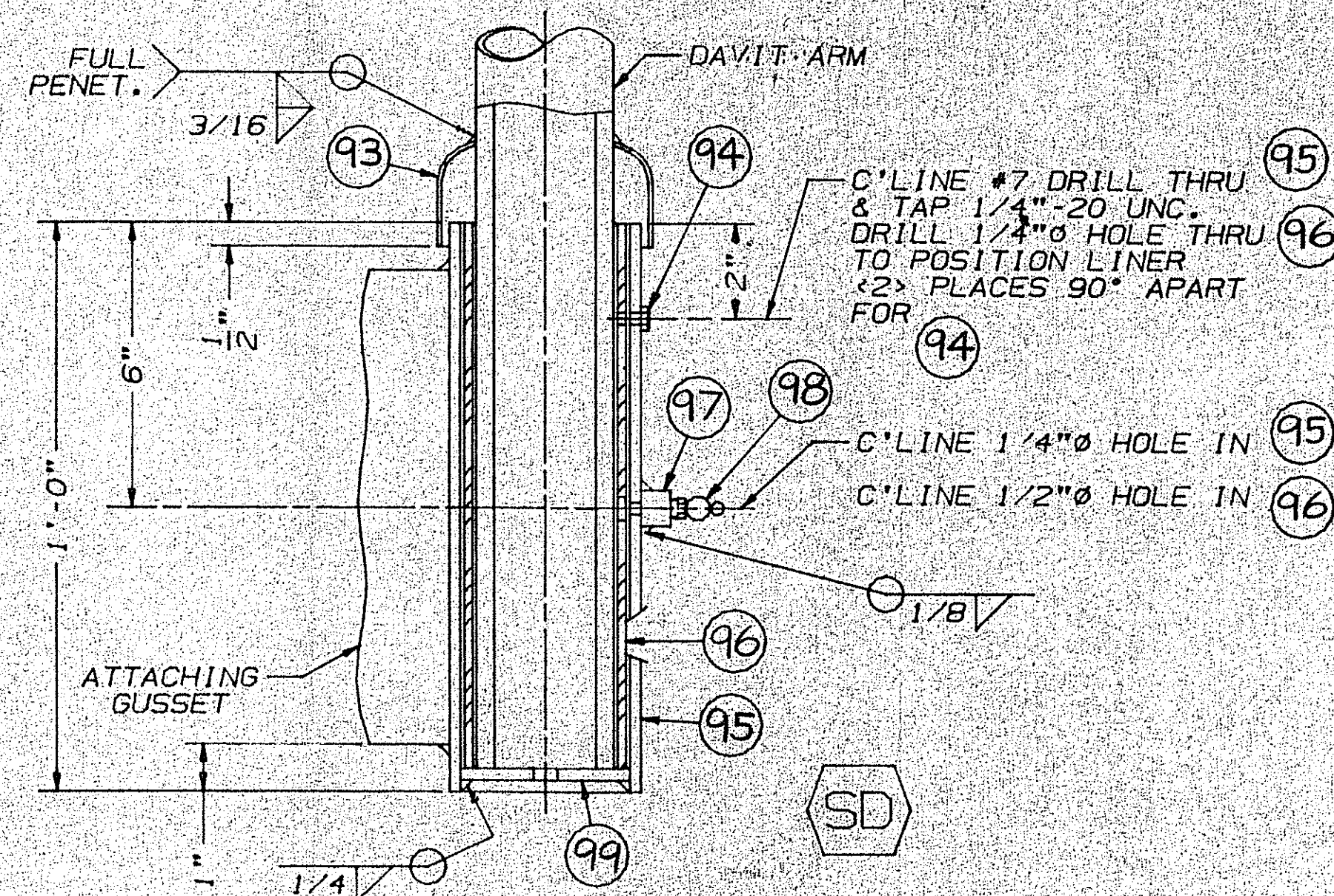
SKIRT DETAILS
~FOR~
ABSORBER COLUMN
~FOR~
E. I. DUPONT DE NEMOURS & CO., INC.
HOUSTON, TEXAS

DATE 12/27/90
DRAWN J. HARDESTER
CHK L. KERR
APP. M. KELLY
DES. EGG
JOB NO. 913417
DRG. NO. JN-D 70964
SHEET 3

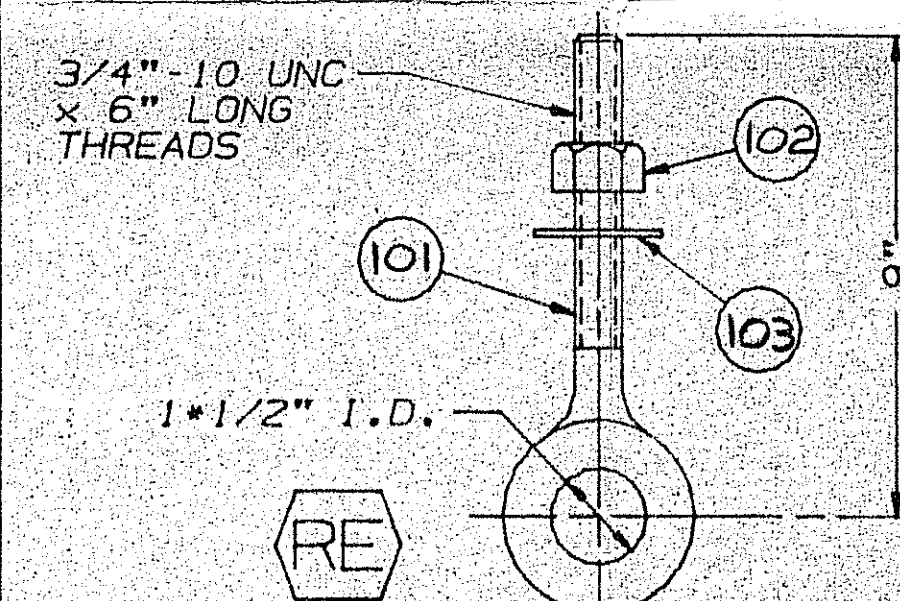


NOTE:

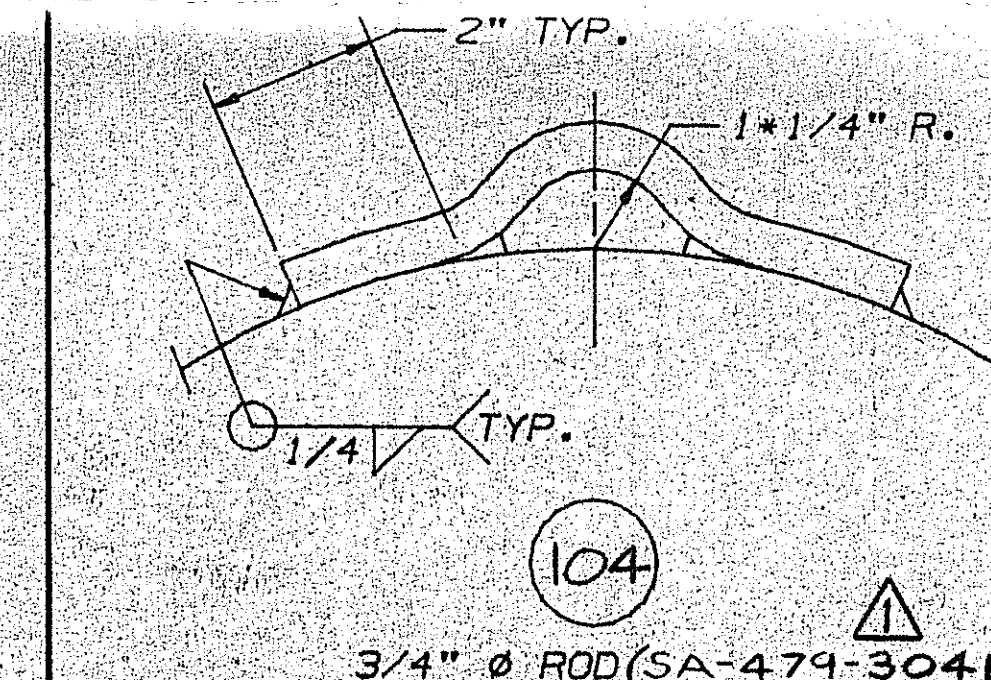
FOR TRUE POSITION
OF DAVIT, SEE ORIENTATION
ON SHEET #2.



- 93 4" O.D. X #11 GA. PRESSED CAP (304 S.S.)
- 94 <2> 1/4"-20 UNC X 3/8" LG. SET SCREWS (S.S.)
- 95 3" SCH. 80 PIPE (SA-312-T304L S.S.)
- 96 2 1/2" SCH. 40 PIPE LINER X 11 1/2" LG. (CHLORINATED POLYVINYL CHLORIDE)
- 97 1/8"-3000# SCREWED FULL CPLG. (S.S.)
- 98 1/8" STD. GREASE FITTING (C.S.)
- 99 1/4" THK. BTM. PLATE (SA-240-304 S.S.) WITH 1/2" Ø DRAIN HOLE IN CTR.



- 101 3/4" Ø FORGED ALLOY STEEL EYEBOLT (FAIRMOUNT SUPPLY CO. NO. FS P/N42056408) BOLT MUST BE STAMPED WITH THE DESIGNATION "615" ON THE SURFACE OF THE BOLT.
- 102 3/4"-10 UNC HEAVY HEX NUT (SA-194-2H)
- 103 3/4" Ø ST'D. WASHER (ST'L.) (WELD TO PIPE)



E. I. DUPONT DE NEMOURS & CO.
PLANT ----- BEAUMONT
PROJECT NO. ----- 9157
ORDER NO. ----- LBP-64962W
EN NO. ----- 1801-7011-10

- 80 FLANGE-18"~150# LAP JOINT (SA-182F304L)
- 81 NECK-3/8" THK X 1'-6" O.D. PLATE (SA-240-304L)
- 82 LAP-3/8" MIN. FIN. THK X 1'-9" O.D. PLATE (SA-240-304L)
- 83 COVER-18"~150# BLIND FLANGE (R.F.) (SA-182F304L)
- 84 REINF. PAD-3/8" THK. X 5" WD. (SA-240-304L) WITH 1" NPT.
- 85 GASKET-1/8" THK. X 1'-6" I.D. X 1'-9 5/8" O.D. (TEFLON) (DUPONT STD. SPEC. SU2A, CODE G50)
- 86 <16> 1 1/8"-8 UN X 6 7/8" LONG STUDS (SA-193-B7)
- 87 <32> 1 1/8"-8 UN Hvy. HEX. NUTS (SA-194-2H)
- 88 <2> 5/8" Ø ROD HANDLES (SA-479-304L)
- 89 2" SCH. 160 PIPE DAVIT ARM (SA-106-B)
- 90 <2> 3/8" THK. X 10" WD. GUSSETS (SA-240-304L)
- 91 2 ANCHOR SHACKLE WITH BOLT-TYPE PIN (FORGED STEEL)

Nooter Corporation P.O. BOX 451 ST. LOUIS, MISSOURI 63166	
MANWAY & DAVIT DETAILS -FOR- ABSORBER COLUMN -FOR- E.I. DUPONT DE NEMOURS & CO.	
DATE 12-27-90 CHK 1/31/91 APPR HARKER	DRAWN JEFFREY HULTZ DES DES ERG ERG SHEET 4
JOB NO. 913417 DRG. NO. JN-D 70964	