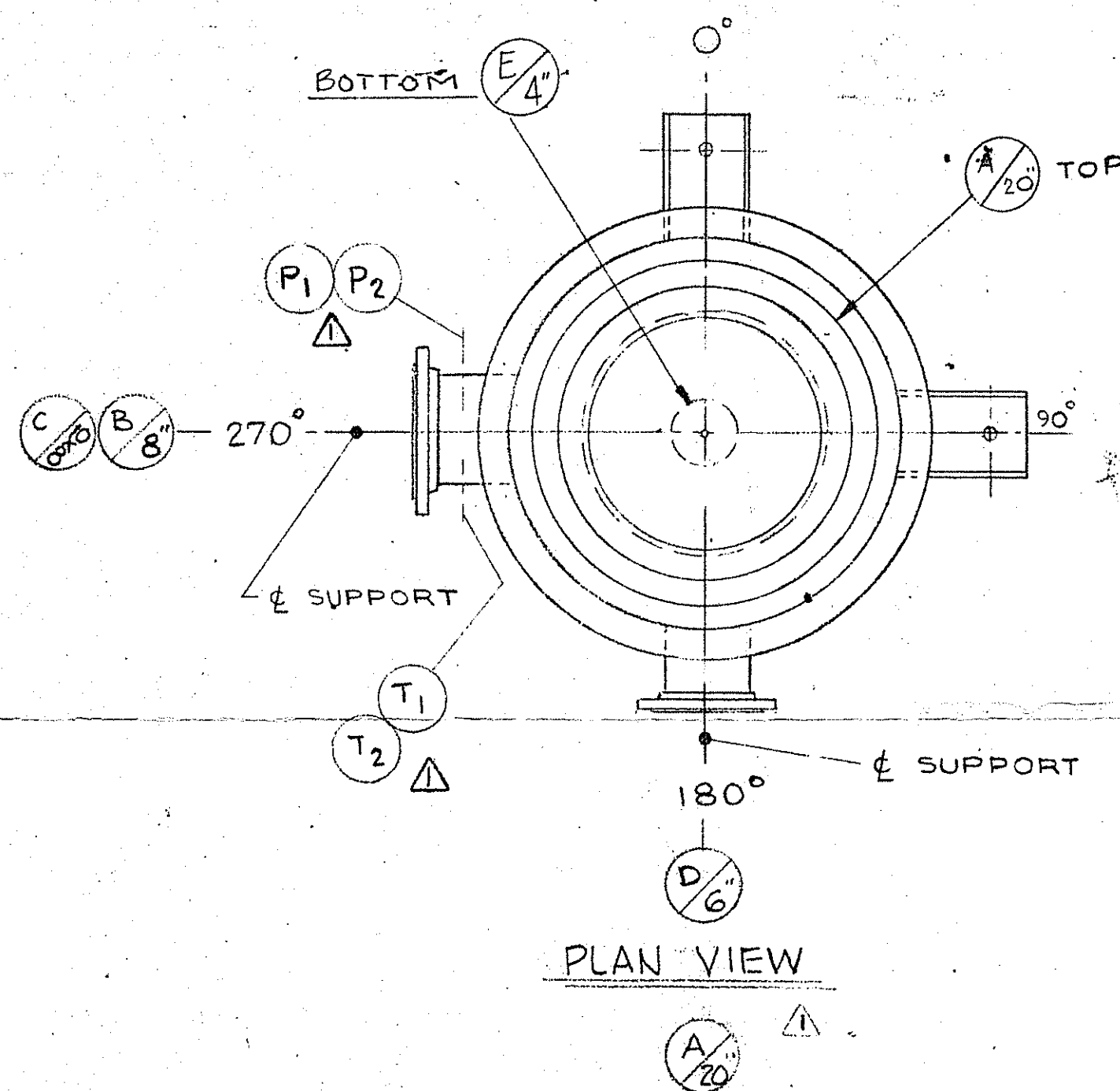
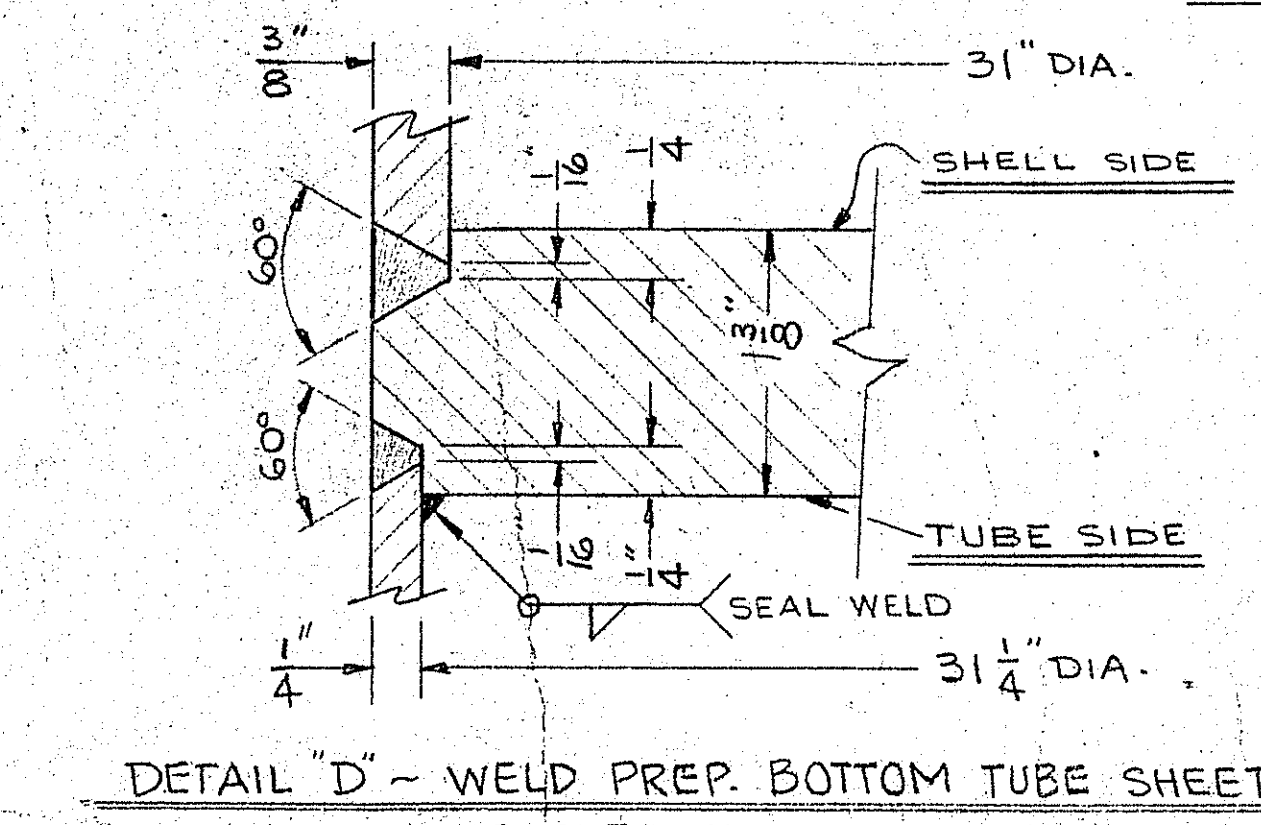
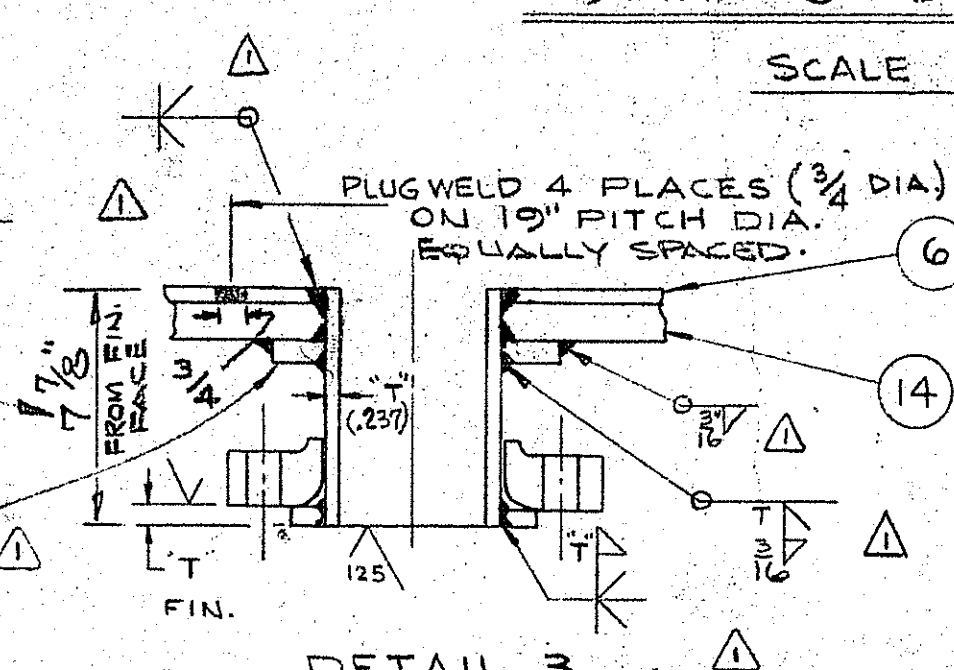
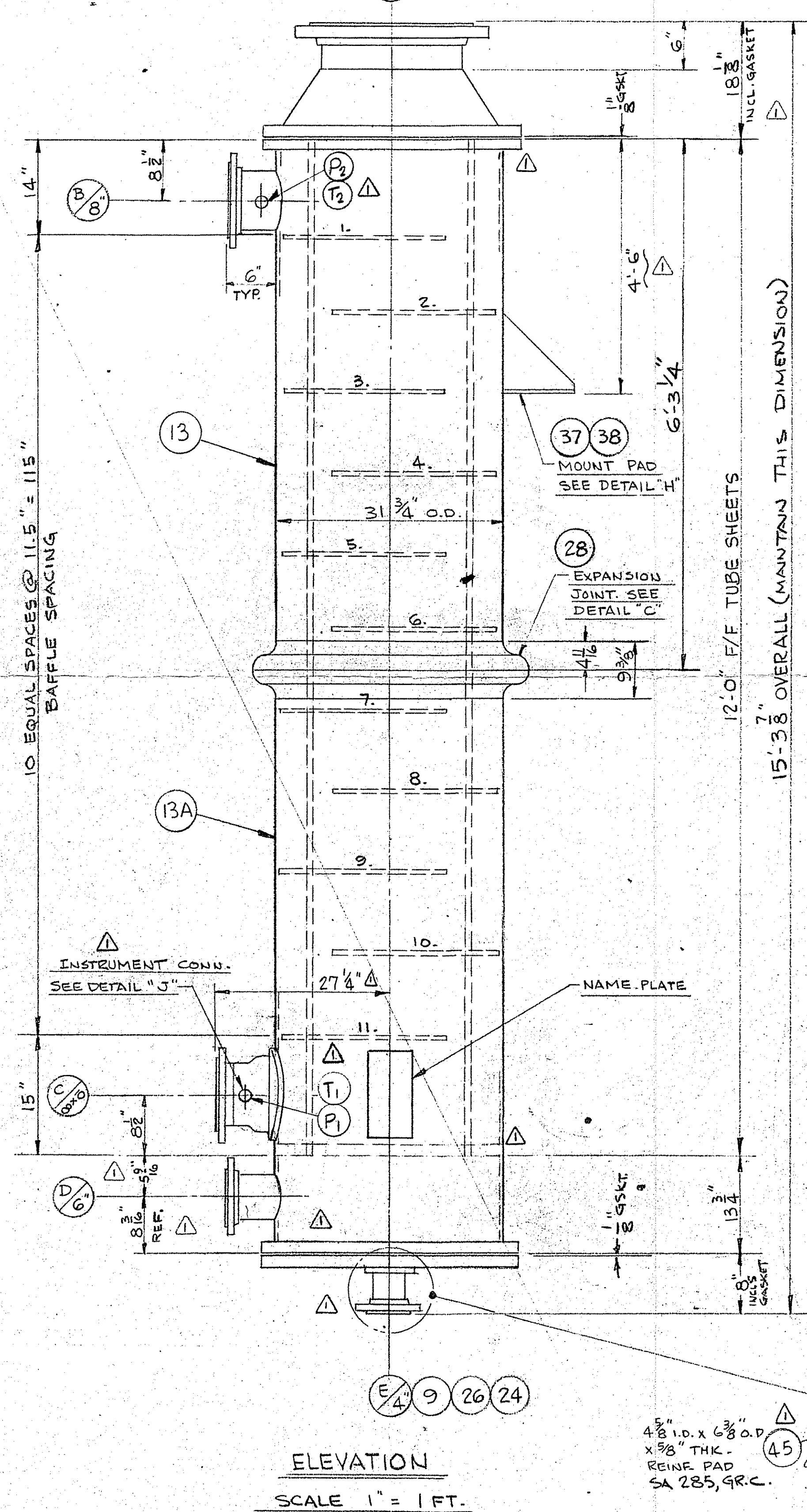
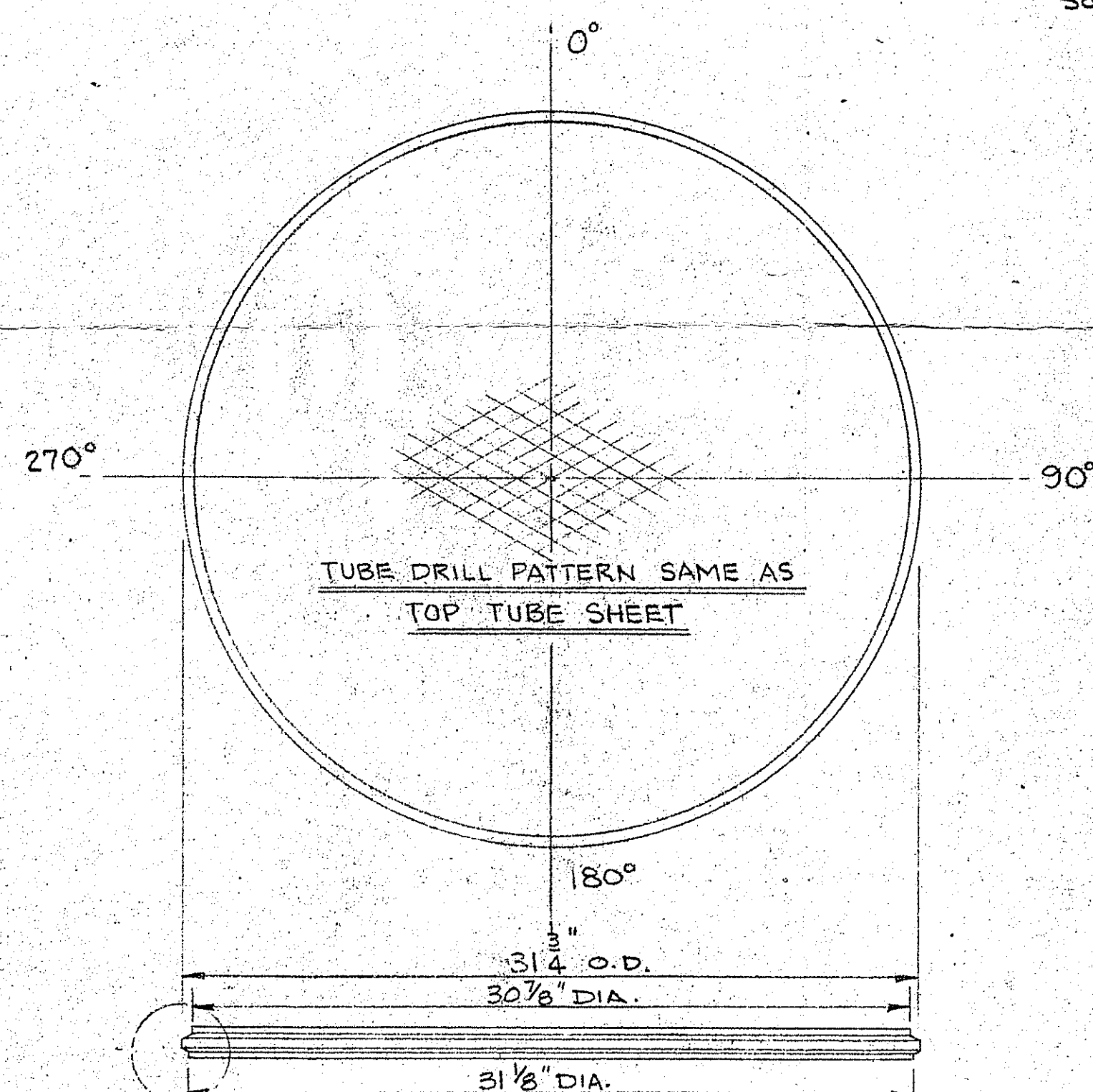
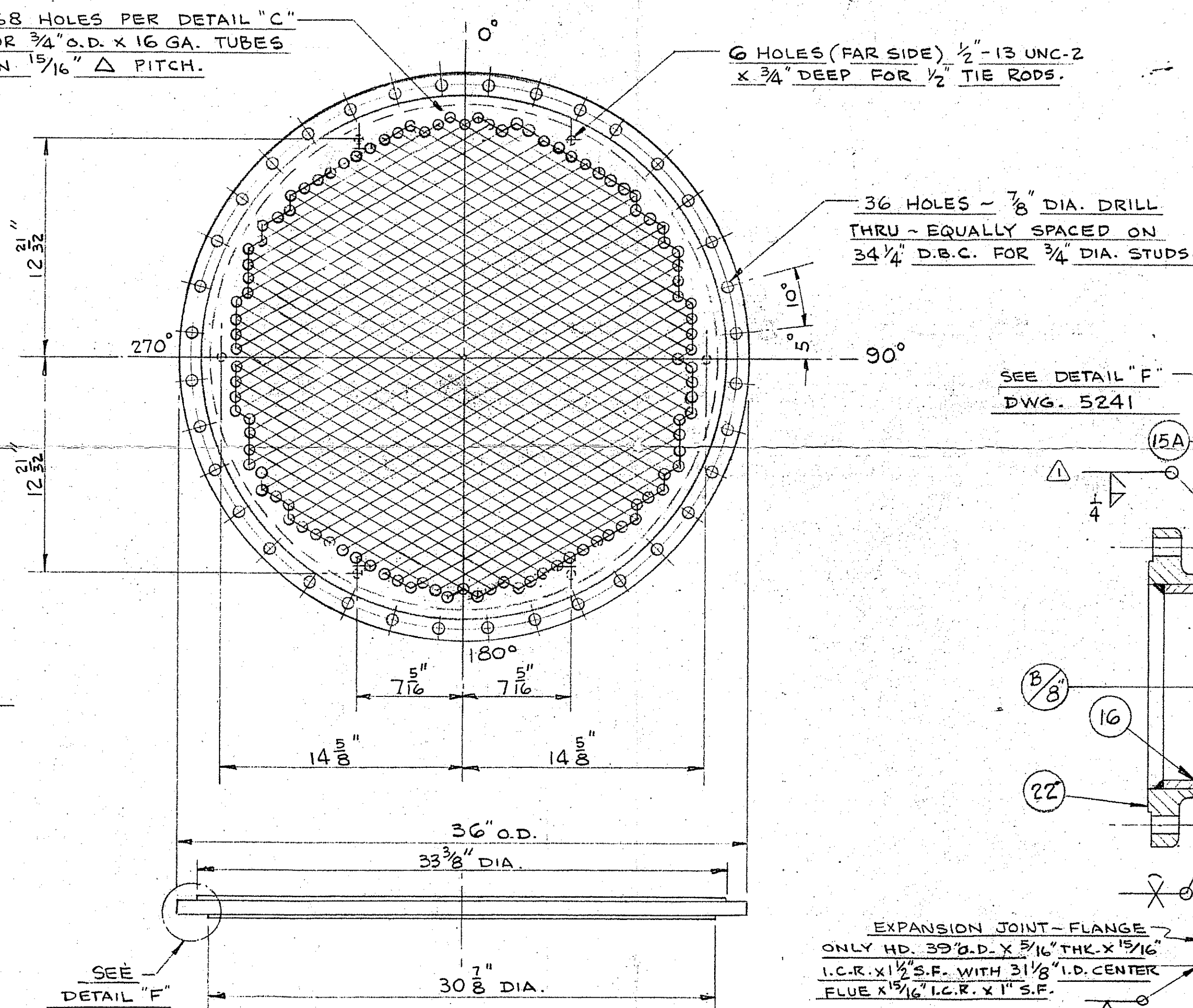




868 HOLES PER DETAIL "C"
FOR 3/4" O.D. X 16 GA. TUBES
ON 1 1/16" Δ PITCH.



DESIGN DATA	SHELL	TUBE SIDE
DESIGN AND FABRICATION	ASME U-1, U-2, U-3, U-4, U-5, U-6, U-7, U-8, U-9, U-10, U-11, U-12, U-13, U-14, U-15, U-16, U-17, U-18, U-19, U-20, U-21, U-22, U-23, U-24, U-25, U-26, U-27, U-28, U-29, U-30, U-31, U-32, U-33, U-34, U-35, U-36, U-37, U-38, U-39, U-40, U-41, U-42, U-43, U-44, U-45, U-46, U-47, U-48, U-49, U-50, U-51, U-52, U-53, U-54, U-55, U-56, U-57, U-58, U-59, U-60, U-61, U-62, U-63, U-64, U-65, U-66, U-67, U-68, U-69, U-70, U-71, U-72, U-73, U-74, U-75, U-76, U-77, U-78, U-79, U-80, U-81, U-82, U-83, U-84, U-85, U-86, U-87, U-88, U-89, U-90, U-91, U-92, U-93, U-94, U-95, U-96, U-97, U-98, U-99, U-100	ASME U-1, U-2, U-3, U-4, U-5, U-6, U-7, U-8, U-9, U-10, U-11, U-12, U-13, U-14, U-15, U-16, U-17, U-18, U-19, U-20, U-21, U-22, U-23, U-24, U-25, U-26, U-27, U-28, U-29, U-30, U-31, U-32, U-33, U-34, U-35, U-36, U-37, U-38, U-39, U-40, U-41, U-42, U-43, U-44, U-45, U-46, U-47, U-48, U-49, U-50, U-51, U-52, U-53, U-54, U-55, U-56, U-57, U-58, U-59, U-60, U-61, U-62, U-63, U-64, U-65, U-66, U-67, U-68, U-69, U-70, U-71, U-72, U-73, U-74, U-75, U-76, U-77, U-78, U-79, U-80, U-81, U-82, U-83, U-84, U-85, U-86, U-87, U-88, U-89, U-90, U-91, U-92, U-93, U-94, U-95, U-96, U-97, U-98, U-99, U-100
DESIGN PRESSURE	175 PSIG	75 PSIG
DESIGN TEMPERATURE	365 °F	365 °F
CORROSION ALLOWANCE	1/16"	0"
WELDING	UW-47	UW-47
FLANGE FACE FINISH	STOCK MODIFIED SPIRAL GROOVES	125
RADIOGRAPHIC EXAMINATION	SPOT	SPOT
HEAT TREATMENT		
TEST PROCEDURE	UG-99	UG-99
FINAL TEST PRESSURE	263 PSIG	130 PSIG
MATERIAL		
SHELL	SA-285-GR.C	SA-240-316
HEADS CONE	SA-285-GR.C	SA-240-316
SUPPORTS	SA-285-GR.C	SA-240-316
NOZZLE NECKS	SA-285-GR.C	SA-240-316
MANHOLE NECK COVER	SA-285-GR.C	SA-240-316
REINFORCING PADS	SA-285-GR.C	SA-240-316
NOZZLE FLANGES	SA-181-GR.1	SA-181-GR.1
SHELL AND HEAD FLANGES	SA-181-GR.1	SA-181-GR.1
BOLTS	SA-193-B7	SA-193-B7
NUTS	SA-193-B7	SA-193-B7
GASKETS	SEE DWG.	SEE DWG.
TUBES	SA-240-316	SA-240-316
TUBE SHEETS	SA-240-316	SA-240-316
BAFFLES TIE ROD SPACER	CARB. STL.	SA-240-316
LINERS (COVER)		SA-240-316
EXPANSION JOINT	SA-285-GR.C	
COUPLINGS	SA-105-GR.1	

TEST PRESSURE BASED ON 1 1/2 X DESIGN PRESSURE
X STRESS RATIO
WEIGHT EMPTY 9294
WEIGHT FULL OF WATER 11,480
OPERATING WEIGHT
PAINTING SHOP COAT ALL C/S RED LEAD-PARLON
INSPECTION HERCULES-OAT AND UNDERWRITER
STAMPING ASME CODE STAMP
ALL MANHOLE AND NOZZLE OPENINGS SHALL MEET THE REQUIREMENTS FOR REINFORCEMENT OF OPENINGS PER THE ASME CODE FOR UNFIRED PRESSURE VESSELS.
MANHOLES AND NOZZLES SHALL BE IN ACCORDANCE WITH THE FOLLOWING MANHOLES NOZZLES SEE NOZZLE SCH.
UNLESS OTHERWISE NOTED:
ALL BOTTOM NOZZLES SHALL BE FLUSH WITH INSIDE OF VESSEL OTHER NOZZLES SHALL BE FLUSH
BOLT HOLES SHALL STRADDLE THE NORMAL VESSEL CENTER LINES

- NOTES:
- FOR NOZZLE SCHEDULE SEE DWG. 5241.
 - SHIP ONE SET OF SPARE GASKETS WITH VESSEL.
 - PAINT EQUIPMENT NO. ON SIDE OF VESSEL - 4" HIGH LETTERS & NOS.

TUBES TO BE KYNEX WELDED TO TUBE SHEET. ROLLED AFTER WELDING.

B.P.F. NO. 42358	DATE 6/14/72
SHEET 2	APPARATUS NO. E-4201-2
PROJECT & ACCOUNT	26035 2027
ORDER NO.	33072
PLANT APPROVED	HANOVER
APPROVED	H. G. Schober

ISSUED FOR FABRICATION. ADDED P1, P2 AND P3. REVISED COVER DETAILS. ADDED DETAIL 3. ADDED MTL. & ECLIP. SPECS. IN DETAIL "C" & "D". ADD MISC. FACING DETAILS & LOCATED SUPPORTS ON ELEVATION.	CHKD. BY F.D.R.
33072	ISSUED FOR APPROVAL
DATE	REVISION
	BY

JOSEPH DAT & SONS, INCORPORATED CHEMICAL ENGINEERS/DESIGNERS/FABRICATORS CAMDEN, NEW JERSEY 08104	
OXIDATE STRIPPER CONDENSER 31 3/4" O.D. X 15' 3 3/8" O.A.L. ONE PASS G/S 316 STN STL CONSTR. TEMP. E-4201-2 ASSEMBLY & DETAILS	
FOR HERCULES INCORPORATED HANOVER PLANT WILMINGTON, N.C.	
PURCHASE ORDER NO. 026-35066	NO. REQ'D. ONE
JOB NO.	DRAWN: R. J. JONES
DATE: 3-28-72	DRAWING NO.
20792	5240
CHECKED: J. J. JONES	REV.

FILED COPY
MUST BE
TO VAULT