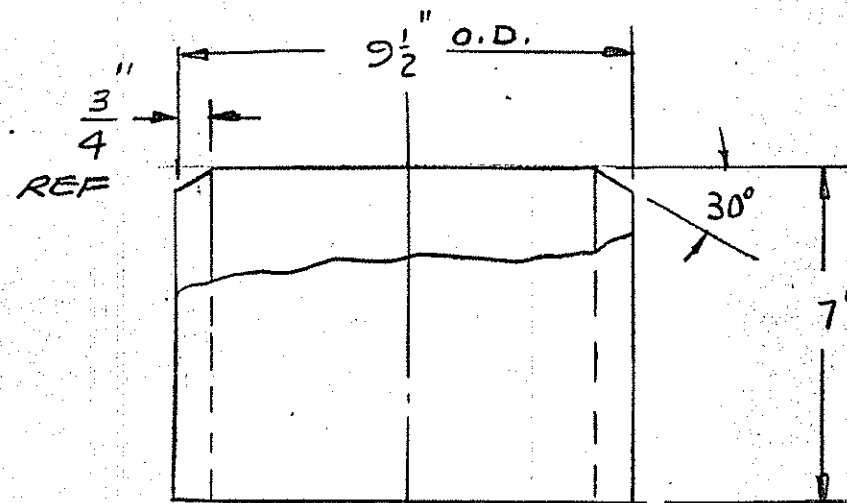
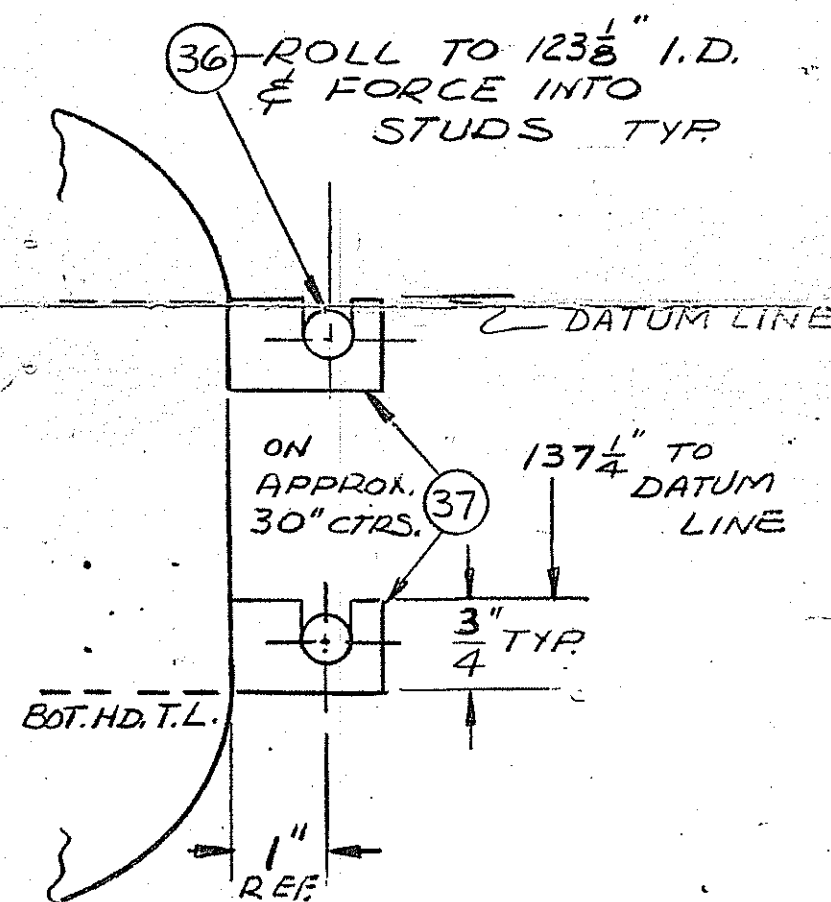


REF. NO.	NO. REQ'D.	PART NO.	PER DWG. NO.	DESCRIPTION
1	1	3119103	3118801	HEAD TOP SE. 120" I.D.
2	1	—	THIS DWG	SHELL 3/4" x 134" x 379 1/2" LG.
3	1	3118706	3118400	HEAD BOT. S.E. 120" I.D.
4	1	1100403	—	NOZ. 3"
5	8	1100404	—	NOZ'S. 4"
6	1	1100406	—	NOZ. 6"
7	2	3118201	3118196	NOZ. 8" FLG'D 8"-300# DRILLING
8	2	—	THIS DWG	EXTEN. 8" NOZ. TUBING MT. 1015-2 1/2" O.D. 3/4" W. 7" LG.
9	1	—	SH # 5	NOZ MACH'D 16"-300# DRILLING
10	1	—	SH # 10	COLLAR, M.H. 20" ASSY.
11	1	3129557	—	COV. ASSY. GL. W/4" SIGHT GL. 1/2" NUC. PRO. RING 20"
12	10	3102870	—	SUPT. CHAN.
13	6	3118136	—	LUG, HOIST FRG'D STL
14	2	3128901	—	LUG NAME PL. SUPT
15	1	3106780	—	NAMEPLATE ASSY.
16	8	3123995	—	BOSS, STL. PLAIN
17	4	3117125	3105758	BOSS, STL. TAPPED 3/4"-10 x 9 3/4" LG
18	4	3110723	3105758	BOSS, STL. TAPPED 3/4"-10 x 4" LG
19	1	3122467	—	BASE, SUPT DRIVE
20	4	—	SH # 8	SUPT, SIDE, ASSY STL
21	1	3127645	3127644	VALVE, FLUSH, GL. 4x3 W/TAYLOR LINE-AIRE ACTUATOR
22	—	—	SH # 3	GUSSET, SUPT 1/2" x 2" ISSUE 13'-0" LG.
23	2	3117636	—	BAF. GUIDE & STUFF BOX ASSY.
24	1	—	SH # 7	BAF "D" GL. PLAIN, GL.
25	1	—	SH # 6	BAF "D" GL. W/ 3/8" x 4" LG. REM. TITANIUM TIP
26	1	—	SA # 4	PANEL COIL ASSY.
27	1	3123130	3122750	SUPT, MOTOR, ASSY.
28	1	3511104	3511103	PEDESTAL & SEAL ASSY 5 1/2"
29	1	3123092	3123091	LUBRICATOR, CONNECTION
30	1	—	—	AGITATOR, DUAL FLIGHT 42" SPAN TITANIUM, TURBINE TYPE, BUILT ON ELYRIA ORDER E369-1731 NOTE: MACHINE SHAFT PER ELYRIA DWG C-2096610
31	1	—	—	DRIVE ASSY "BTW T.F.F.G" WITH 2:1 HELICAL PRIMARY & 10:1 WORM SECONDARY (SPECIAL HELICALS) PER CONE DWG WFSMV-47684A-EJD 50 HP, 1800 RPM, 3/60/460, EX. PR. FLANGE MTD. MOTOR W/GROUNDING LUG IN CONDUIT BOX
32	1	1502933	1502930	FLANGE, BLIND, GL. 3"-150#
33	4	1602272	—	BOLT, HEX. HD. STL. SA 193-B7 5/8"-11 x 3 1/4" LG
34	4	1600368	—	NUT, HEX. STL. SA-194-2H 5/8"-11
35	1	1360040	—	LIGHT ASSY. EX. PR. 300 W. 4"-150#
36	2	—	THIS DWG	REBAR ASTM-16 3/8" DIA. x 388" LG. DEV. LGTH
37	26	—	THIS DWG	STUD, R4L, NELSON 3/16" x 3/4" x 7/8"



DETAIL REF #10



DETAIL "A"

PRINT MADE
DEC 29 1970
ARTHUR G. MCKEE & CO.

NOTE :-
MARK VESSEL AS FOLLOWS:
PROJECT NO 66
P. O. NO E-262710-B
POSITION NO B3-5233
EQUIPMENT NO YYE-11
DRIVE NO DRV-1901
MOTOR NO MOE-1432

CUSTOMER: HOFFMANN LA ROCHE
CONTRACTOR: A.G. MCKEE & CO.
PROJECT 66
BELVIDERE, NEW JERSEY
CONTRACT 3726
POSITION NO 5233
MCKEE DWG NO: 3726-B3-5233-3

SEE SH #3 FOR PLAN VIEWS		
SEE SH #2 FOR TANK DWG		
BASE MATERIAL		
VESSEL SA-285-GR B (FLG QUAL)		
JACKET		
SEALER		
THICKNESSES	TANK	JKT.
HD.-TOP	13/16"	
HD.-BOT.	13/16"	
SHELL	3/4"	
SEALER	—	
DESIGN & INSPECTION		
SPECIFICATION	TANK	JKT.
CODE DESIGN	YES	
WSP. INSP. & STAMP	YES	
DESIGN PRESS. PSI	401A	
DESIGN TEMP. °F.	300	
HYDRO TEST PSI	40	
RADIOGRAPH	—	
HEAT TREAT SPEC. NO.	—	
SEE OPERATING LIMITATIONS & INSTALLATION INSTRUCTIONS IM81-100		
INSPECTION BY CUSTOMER		
WINDLOAD = 25 LBS/FT ²		
SEISMIC LOAD = ZONE #1		
DENSITY = 10.0 LBS/GAL		
EV = FULL VACUUM		
VESSEL FINISH & ACCESSORY MAT'L'S.		
VESSEL 3313		
ACCESSORIES AS SPECIFIED		
PLUGS TITANIUM		
CEMENT FURAN		
GASKETS CRT	REFERENCES	
PAINT PARLON	AE-15277	
BLUE	DE-1401B	
	R169-1568/15	
CAP. RATED 8,000 GAL	7N-661	
CAP. FULL 8715 GAL	7N-0006	
WT. UNJKTED 21,600	7N-1556	
WT. JKTED		
WT./ACCT'S. 27,550	PC-168	
TITLE 8000 - GALLON VERTICAL REACTOR 120" I.D. x 138" PCWVA		
CUSTOMER HOFFMANN - LA ROCHE INC.		
ADDRESS NUTLEY, NEW JERSEY		
CONSIGNEE		
ADDRESS BELVIDERE, NEW JERSEY		
CUST. ORDER NO. E-262710-B		

APPROVED
Checked for General Design & Controlling Dimensions Only. This Approval does not relieve the Vendor of Responsibility for Correctness of Design, Details and Dimensions.
VENDOR TO MAKE CORRECTIONS AS NOTED AND ISSUE PERMITS FOR OUR (Distribution) (Fabrication) (FIELD) (PROCEED WITH) FABRICATION
ARTHUR G. MCKEE & CO. CLEVELAND OFFICE
By RPH DEC 29 1970 Date

CERTIFIED
THE PFAUDLER CO.
DIVISION OF
RITTER PFAUDLER CORP.
ROCHESTER, N. Y.
BLASSED STEEL EQUIPMENT. FINAL DIMENSIONS MAY VARY DUE TO HIGH TEMPERATURE PROCESSING
ENGR. Howard M. Morake
DATE 12/17/70

ALL TANK NOZZLES FURNISHED WITH LOOSE SPLIT FLG. 150 LB. USAS STD. DRILLING EXCEPT 16" DRIVE NOZ & 8" BAF. NOZS WHICH HAVE 300# DR. FLGS

WORK FROM DIMENSIONS - DO NOT SCALE SEE PLAN VIEW FOR ORIENTATION SH #3

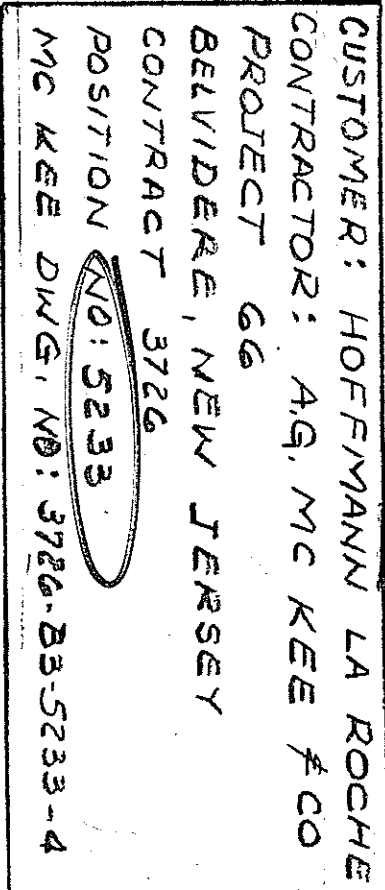
THIS DOCUMENT IS THE PROPERTY OF THE PFAUDLER CO. IT IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS LENT AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION OR USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THIS COMPANY. IT IS SUBJECT TO RETURN UPON REQUEST

LTR	REVISION	APP	DATE
A	REVISED PER CUSTOMER MARKED APP. B/P		
	DATED 3-12-70 11-3-70 MR SC 2/7/11/7		

THE PFAUDLER CO. a division of RITTER PFAUDLER CORPORATION ROCHESTER, NEW YORK plants in ELYRIA, OHIO and ROCHESTER, NEW YORK	
SCALE 2	NO. REQ'D (1)
DRAWN MR DATE 11-7-69	
CHECKED S.C.L.P. DATE 11-10-69	R169-1621
APPROVED & CERTIFIED [Signature] DATE 12-1-69	SHEET 1 OF 10

DRAWN	WFE	DATE	1/10/69
CHECKED	S. CURP	DATE	1/10/69
		SH	# 2

PRODUCT	USE ON	REFERENCES
 PFAUDLER SYBRON CORPORATION Plants in ELYRIA, OHIO and ROCHESTER, NEW YORK		
SCALE $\frac{1}{2}'' = 1' - 0''$	APPROVED 	DATE 11-6-59
DRAWN 	DATE 11-7-59	D. J. O. - 11-21-59

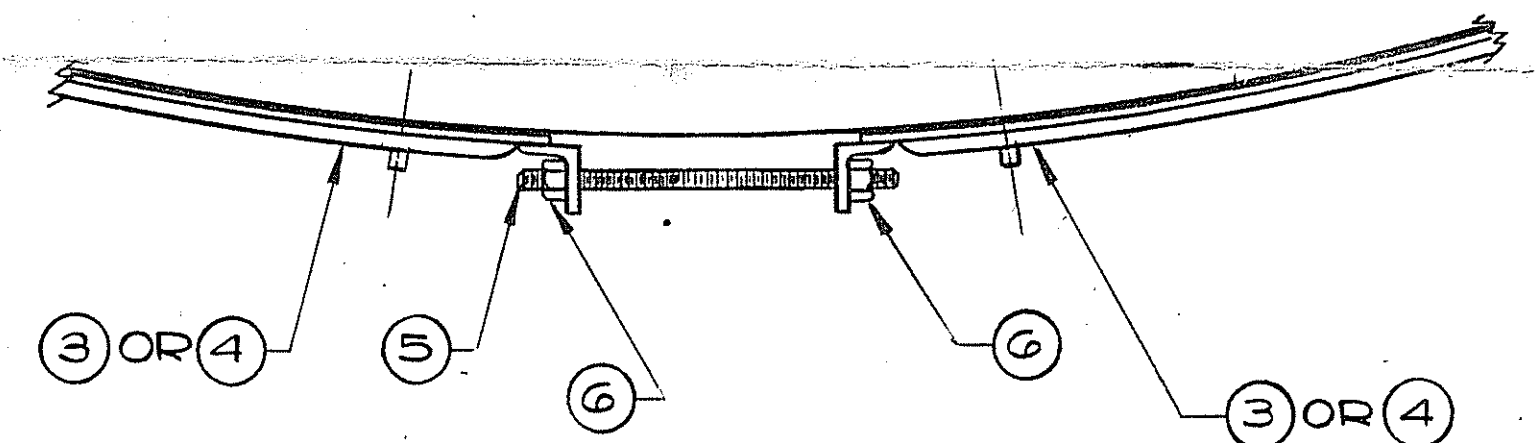


SEE SHEET N^o 1 FOR B/M

CERTIFIED
THE PFAUDLER CO.
A DIVISION OF
EASTMAN KODAK CO.
ROCHESTER, N. Y.
QUALITY CONTROL EQUIPMENT, FINAL
DATE: 10 MAY 1964 DUE TO
ELECTROGRAPHIC PROCESSING
Howard M. Norick
100-441174-2000

Technical drawing of a circular flange with dimensions and callouts:

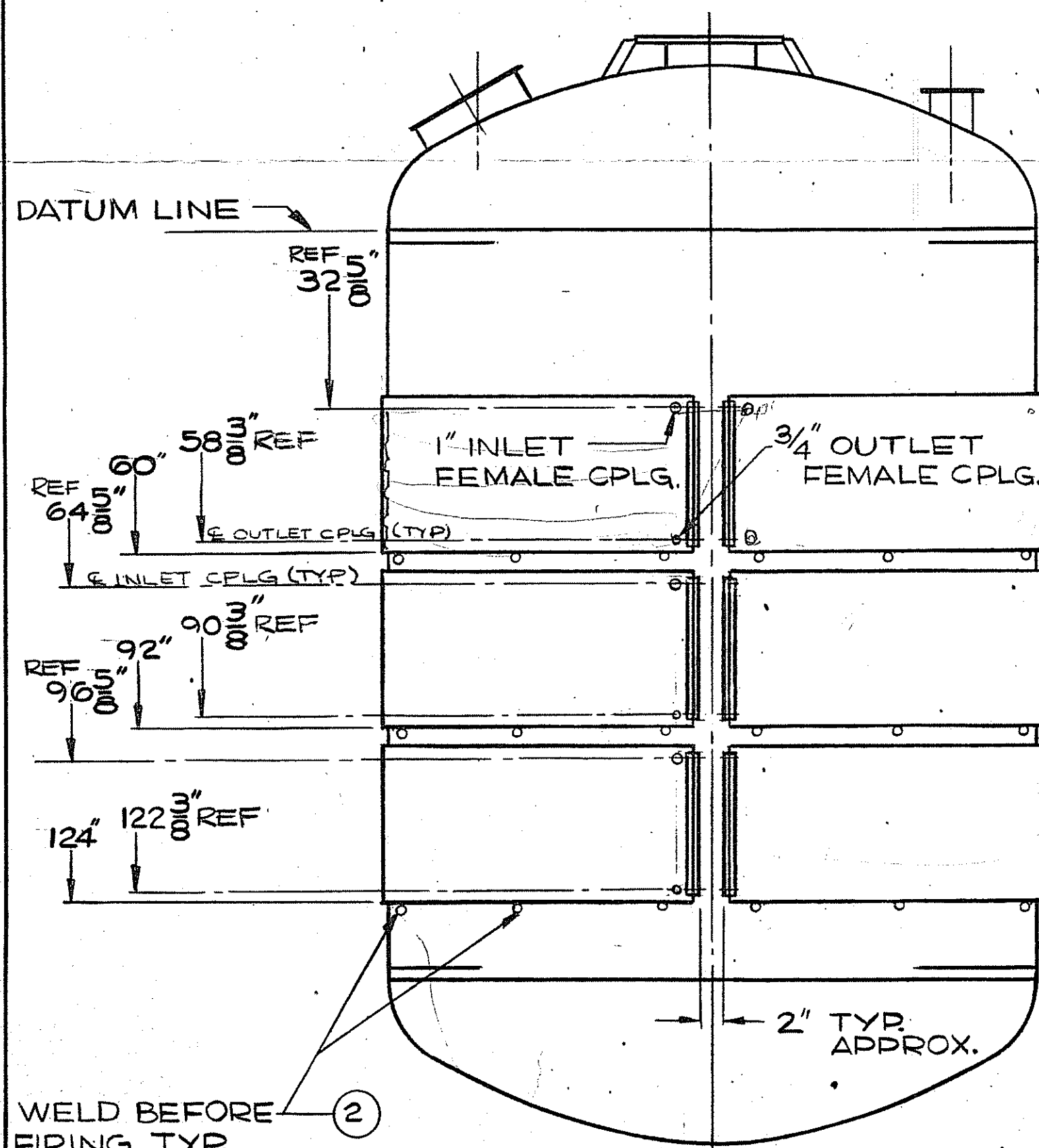
- Callout 1:** 16 STUDS PER ROW
- Callout 2:** 16 STUDS PER ROW
- Callout 3:** 25"
- Callout 4:** 22"
- Callout 5:** 25"
- Callout 6:** 25"
- Callout 7:** 25"
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PANEL COIL ASS'Y DETAIL
SCALE: 3"=1'-0"

NOTE:
APPLY 1/8" THK. LAYER CHEMAX CORP" TRACIT 1000" HEAT TRANSFER CEMENT TO PANELCOILS BEFORE ATTACHING TO THE VESSEL. PULL PANELCOILS TIGHT FOR UNIFORM BEARING ON SHELL WITH ST'L BANDS & BOLT IN PLACE THEN REMOVE ST'L. BANDS.

PANEL COIL ASS'Y. TO TANK



WELD BEFORE
FIRING TYPE

FOR CORRECT ORIENTATION SEE PLAN VIEW.

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LTR	REVISION	APP	DATE	LTR	REVISION	APP	DATE	REFERENCES
▲				A	REVISED PER CUSTOMER			USED ON
▲					MARKED APP 8/P DATED			
▲					3-12-70 11-4-70 MR SC		7/7 11/7	
▲								
▲								
▲								PRODUCT CODE # 168
▲								
▲								
▲								
▲								

WORK FROM DIMENSIONS —
DO NOT SCALE.



PFAUDLER
SYBRON CORPORATION

plants in ELYRIA, OHIO and ROCHESTER, NEW YORK

SCALE $\frac{1}{2}" = 1'-0"$

APPROVED *[Signature]* DATE 12-1-69

DRAWN BY BRANOR DATE 11-6-69

CHECKED S. CULP DATE 11-19-69

R169-1621