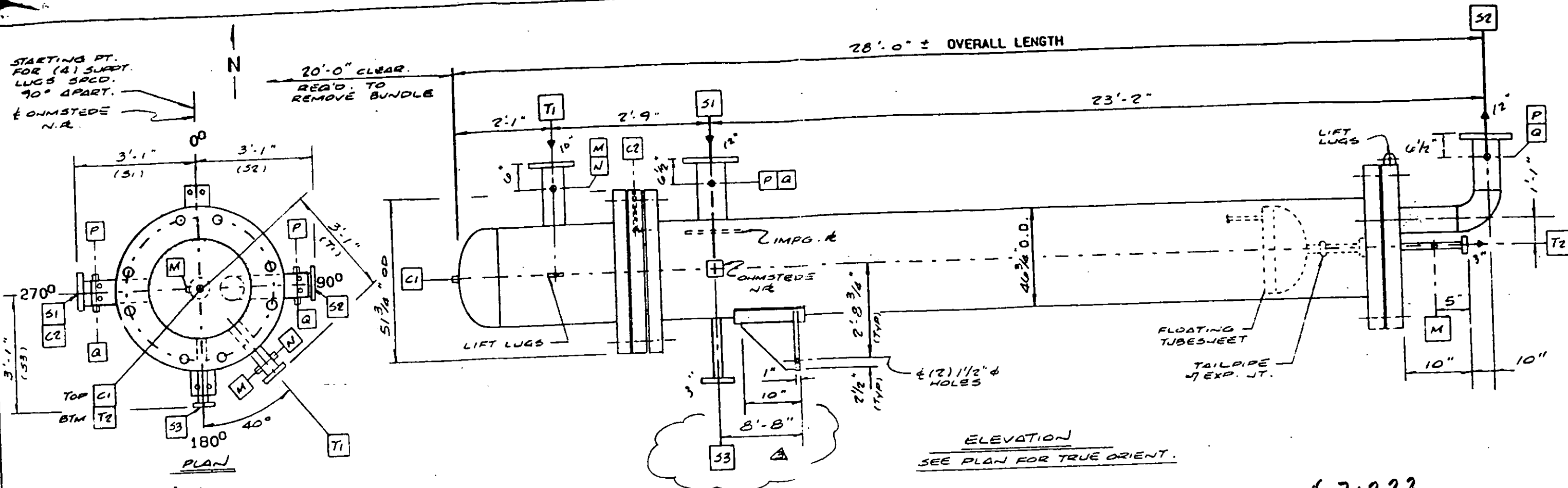




71222
71223

CLIENT: MONSANTO CO.
LOCATION: CHOCOLATE BAYOU, TX.
KELLOGG JOB # 6318-01

MAXIMUM ALLOWABLE PRESSURES:
SHELLSIDE
MAWP (HOT & CORR) = 150 PSI LIM. BY SH. CUR. FLG.
MAP (N/C) = 150 PSI LIM. BY SH. CUR. FLG.
HYDROTEST = 1.5 (150) = 225 PSI.
TUBESIDE
MAWP (HOT & CORR) = 79 PSI LIM. BY CHANN. FLG.
MAP (N/C) = 150 PSI LIM. BY CHANN. FLG.
HYDROTEST = 1.5 (150) = 225 PSI.

NAME & BRKT

NATIONAL BOARD	
N.B. SERIAL NO. 15 REQ'D.	
CERTIFIED AND MANUFACTURED BY	
Christide of LOUISIANA, INC.	
ST. GABRIEL LAKE CHARLES	
SHELL TUBE	
M.A.W.P. 150 FV PSI 79 FV PSI	
DESIGN TEMP 400 °F 400 °F	
TEST PRESS 225 PSI 225 PSI	
ITEM NO. 60E24-1 SERIAL NO. 48299	
SIZE 40x240 TYPE BET YEAR BUILT 1988	
P.O. NO. 6318-0101-C-200-02	
REV	DESCRIPTION
3	REV SUPP LUG ELEVATION 2-5-88 E ✓
2	FOR FAB 1-14-88 E ✓
1	REV PER CUST. APPVL 12/22/87 E ✓
0	FOR CUST APPVL 11/24/87 E ✓

NO	SIZE	RATING	FACING	SERVICE
S3	3"	150°	RF	FLUSH
N	3/4"	6000°	CPLG	T.W. W/ PLUG
M	3/4"	6000°	CPLG	P.G. W/ PLUG
Q	3/4"	6000°	CPLG	T.W. W/ PLUG
P	3/4"	6000°	CPLG	P.G. W/ PLUG
C2	1/2"	—	NPT	TIGHT. VENT W/ PLUG
C1	3/4"	6000°	CPLG	TUBE VENT W/ PLUG
S2	12"	150°	RF	SHELL OUTLET
S1	12"	150°	RF	SHELL INLET
T2	3"	150°	RF	TUBE OUTLET
T1	10"	150°	RF	TUBE INLET
NO	SIZE	RATING	FACING	SERVICE

GENERAL NOTES

- DESIGN & CONSTRUCT IN ACCORDANCE WITH:
 - A. ASME CODE SECT. VIII DIV. 1, 1986 ED. W/ 1986 ADD.
 - B. TEMA "B"
 - C. CUST. SPECS.
- POST WELD HEAT TREAT: NONE
- PAINTING: SANDBLAST ALL C.S. EXT. SURFACES OF TOP AND BTM. CHANNELS AND EXCHG'R. SUPPORTS PER SSPC-SP-10. (NEAR-WHITE) SURFACE PROFILE = 1.0 TO 2.0 MILS. PRIME THESE SURFACES WITH CARBOLINE CARBOZING No. 11 TO A DET OF 2.5 TO 3.5 MILS.

DRY WT. 30900 LBS. TEST WT. 49100 LBS. BUNDLE WT. 19800 LBS. DATE 12/24/87

DESIGN DATA		
	SHELL	TUBE
DESIGN PRESSURE	PSI 150 FV	75 FV
HYDROSTATIC TEST PRESSURE	PSI 225	225
DESIGN TEMPERATURE	°F 400	400
CORROSION ALLOWANCE	IN. .00	1/8"
NUMBER OF PASSES	ONE	ONE
RADIOGRAPHY	SPOT	SPOT
CUSTOMER: M.W. KELLOGG CO.		
P.O. NO.: 6318-0101-C-200-02		
SERVICE: HEATER		
OHMSTEDE		
OUTLINE DRAWING		
DRN 2	ITEM 60E24-1	B-48299-1
CK ✓	JOB 48299	

71222 (71223)
71222/13