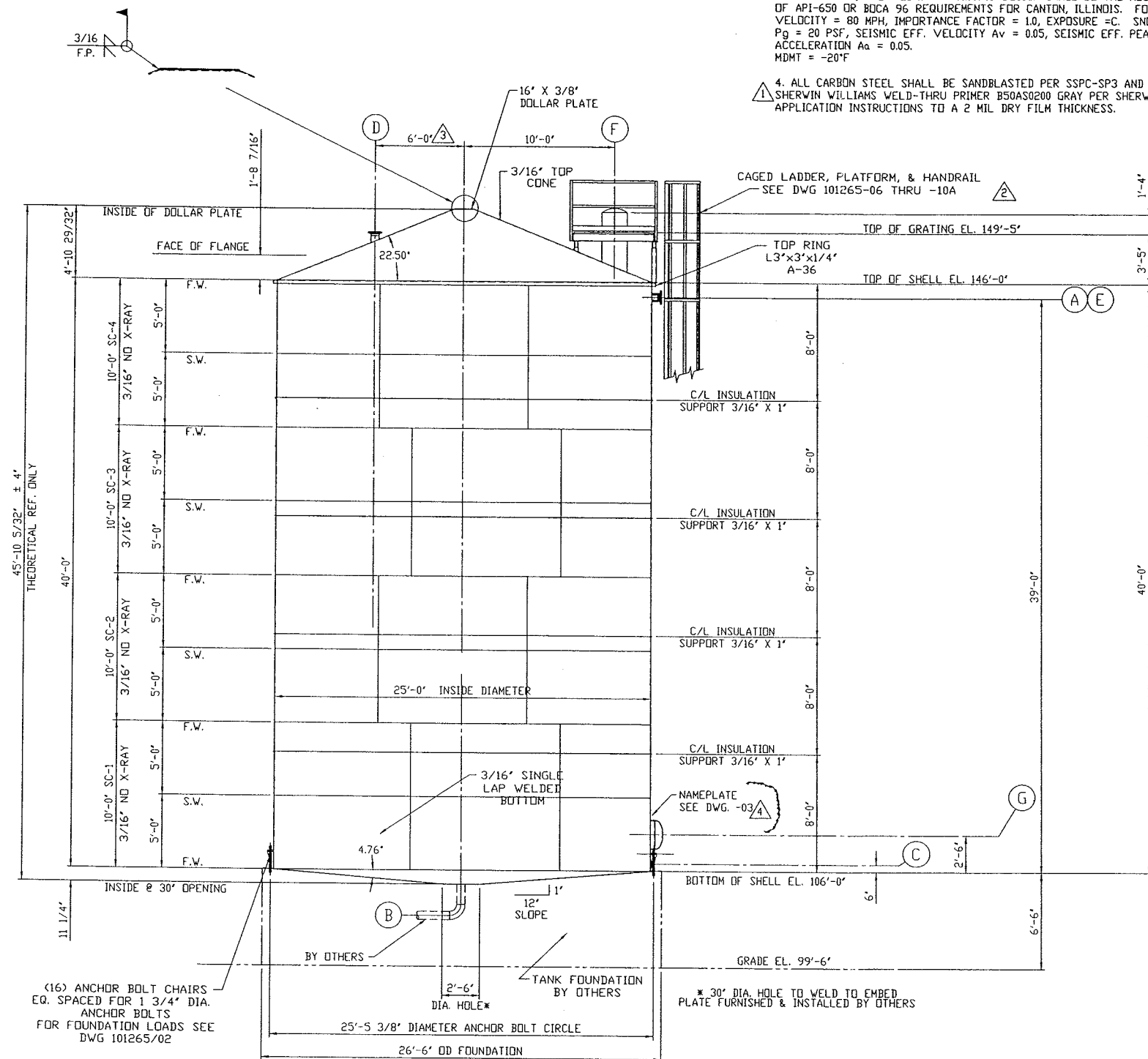


GENERAL NOTES

- TANK IS DESIGNED TO BE FILLED TO THE TOP OF THE STRAIGHT SHELL WITH PRODUCT (SpG=100) PLUS 0.361 PSIG GAS PRESSURE IN THE HEAD SPACE. THE OPERATING PRESSURE IS WITH THE TANK FILLED TO THE OVERFLOW NOZZLES WITH PRODUCT (SpG=100) WITH ATMOSPHERIC PRESSURE IN THE HEAD SPACE.
- THE TANK HYDROTEST WILL BE WITH THE TANK FILLED TO THE TOP OF THE STRAIGHT SHELL WITH WATER AND 0.451 PSIG AIR PRESSURE APPLIED.
- WIND LOADS, SNOW LOADS & SEISMIC DESIGN SHALL BE THE MOST STRINGENT OF API-650 OR BOCA 96 REQUIREMENTS FOR CANTON, ILLINOIS. FOR WIND, VELOCITY = 80 MPH, IMPORTANCE FACTOR = 1.0, EXPOSURE = C. SNOW LOAD P_g = 20 PSF, SEISMIC EFF. VELOCITY A_v = 0.05, SEISMIC EFF. PEAK ACCELERATION A_a = 0.05. MDMT = -20°F
- ALL CARBON STEEL SHALL BE SANDBLASTED PER SSPC-SP3 AND PRIMED WITH SHERWIN WILLIAMS WELD-THRU PRIMER B50AS0200 GRAY PER SHERWIN WILLIAMS APPLICATION INSTRUCTIONS TO A 2 MIL DRY FILM THICKNESS.

NOZZLE SCHEDULE							
MARK	QTY	SIZE	RATING LBS	FLG/CPLG TYPE	WALL THK	DESCRIPTION	REF DWG
A	1	6"	150#	L.J.S.E.	SCH 40S	OVERFLOW	05
B	1	6"	150#	L.J.S.E.	SCH 40S	OUTLET W/ EMBED PLATE (BY OTHERS)	04
C	1	3"	150#	R.F. PAD	-	LEVEL	05
D	1	6"	150#	L.J.S.E.	SCH 40S	VENT	05
E	1	4"	150#	L.J.S.E.	SCH 40S	PROCESS WATER	05
F	1	20"	-	-	-	TOP MANWAY - KNAPPCD LE3310	04
G	1	24"	75#	-	-	SIDE MANWAY - 24" HP-75 ENERFAB MANWAY	04

SEE DWG 02 FOR TOLERANCE NOTES



GENERAL ARRANGEMENT ELEVATION VIEW
SEE DWGS 101265-02 FOR PLAN VIEW ORIENTATION

QUALITY ASSURANCE REQUIREMENTS	
CODE: API 650	STAMP REQ'D: NO
RADIOGRAPH BUTT WELDS:	
TOP HEADS: NONE	BTM HEADS: NONE
SHELLS: NONE	
FILLET WELD EXAMINATION:	
VESSEL: NONE	
NOZZLES: NONE	
HYDROTEST: YES	PRESSURE: NOTE 2
MAT'L CERTIFICATION REQ'D: YES	
TEST PROCEDURES:	
MATERIAL SPECIFICATIONS	
HEADS: A240-304	
SHELL: A240-304	
SUPPORTS: SA36	
NOZZLE NECKS: SA312-304	
FLANGES: SA182-304	
LAP JOINT FLANGES: C.STL SA105	
NOZZLE REINF.: SA240-304	
NUTS & BOLTS: SA193 B7 / SA194 2H	
GASKETS: NEOPRENE	
PIPE: SA312-304	

DESIGN CRITERIA	
PRODUCT:	
SPECIFIC GRAVITY:	1.00
CORROSION ALLOWANCE:	0
VESSEL DESIGN PRESS:	NOTE 1 PSIG @ 200 °F
VESSEL OPERATING PRESS:	NOTE 1 PSIG @ 200 °F
JACKET/COIL DESIGN PRESS:	N/A PSIG @
JACKET/COIL TEST PRESS:	N/A PSIG @ °F
DESIGN VACUUM:	5' OF WATER
CAPACITY:	
NET:	142,365 GALLONS
GROSS:	153,300 GALLONS
EMPTY:	36,000 LBS.
WEIGHT:	
FULL:	1,261,000 LBS.
SEISMIC:	NOTE 3
OTHER:	
NOTE 3:	NET VOLUME IS TO INVERT OF OVERFLOW

WELD PREPARATION	INTERIOR	EXTERIOR
AS WELDED	NO	NO
WIRE BRUSHED	YES	YES
GRIND SMOOTH ONLY (NOT FLUSH)	NO	NO
GRIND SMOOTH & FLUSH	NO	NO
OTHER:	NO	NO

SURFACE PREPARATION	INTERIOR	EXTERIOR
SANDBLAST (CARBON STEEL)	NO	NOTE 4
PRIME PAINT (CARBON STEEL)	NO	NOTE 4
FINISH PAINT (CARBON STEEL)	NO	NO
REMOVE WELD DISCOLORATION	NO	NO
OTHER:		

WELD PROCEDURES					
PROCEDURE	REVISION	APPROVED	PROCEDURE	REVISION	APPROVED

REV.	DATE	BY	DESCRIPTION	CHECKED BY	APPROVED BY
4	1/11/2007	MAC	ADDED NAMEPLATE	DMP	DMP
3	11/30/2006	MAC	REVISED NOZZLE 'D' LOCATION	Met	Met
2	10/26/2006	MAC	REVISED PLATFORM & LADDER UPDATED DATA	CES	CES
1	9/28/2006	MAC	REVISED PER APPROVAL DRAWINGS	CES	CES

THIS DRAWING IS THE PROPERTY OF ENERFAB, INC. AND IS TO BE USED ONLY IN CONNECTION WITH PERFORMANCE OF WORK BY ENERFAB, INC. REPRODUCTION IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

ENERFAB, INC.
CINCINNATI, OHIO

FOR: **LURGI PSI, INC.**
CENTRAL ILLINOIS ENERGY
CANTON, IL

DRAWING TITLE: **ASSEMBLY ELEVATION**
(1) 25'-0" PROCESS CONDENSATE TANK
TAG NO. TF-7201

COPYRIGHT 1995 ENERFAB, INC. ALL RIGHTS RESERVED. CONTRACT NO. 101265. DRAWING NO. 101265/01

06018
CIE: ETHANOL
Canton, Illinois
RECEIVED JAN 18 2007

17.1
File: TF-7201
0180004020

FIELD FILE