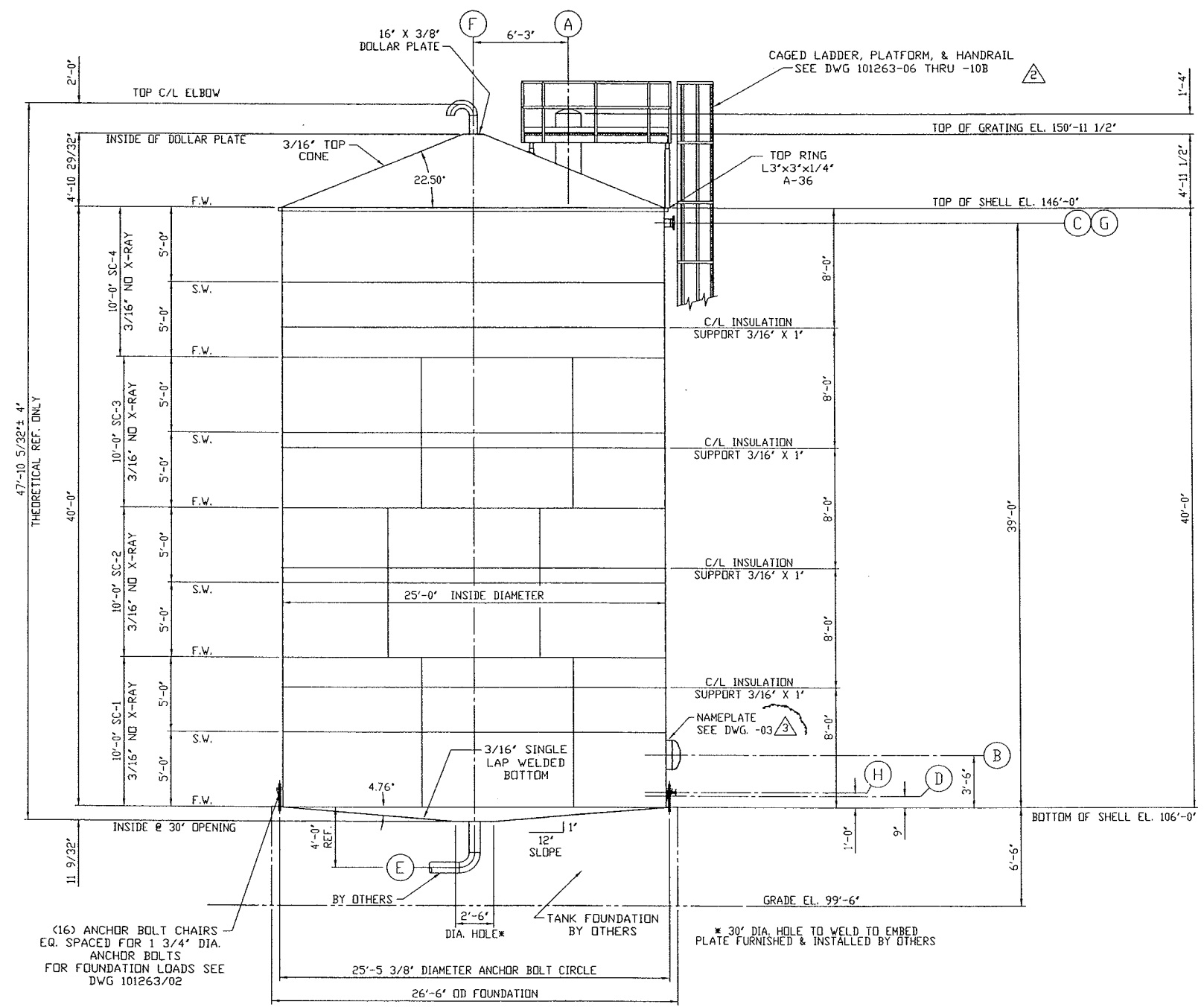


GENERAL NOTES

- TANK IS DESIGNED TO BE FILLED TO THE TOP OF THE STRAIGHT SHELL WITH PRODUCT (SpG=1.00) 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=1.00) 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 BCCA 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. HDMT = -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	20"	-	-	-	TOP MANWAY - KNAPPCD LE3310	04
B	1	24"	75#	-	-	SIDE MANWAY - 24" HP-75 ENERFAB MANWAY	04
C	1	6"	150#	L.J.S.E.	SCH 40S	OVERFLOW	05
D	1	3"	150#	R.F. PAD	-	LEVEL	05
E	1	8"	150#	L.J.S.E.	SCH 40S	DISCHARGE W/ EMBED PLATE (BY OTHERS)	04
F	1	6"	-	-	SCH 40S	GOOSENECK VENT W/ SCREEN	05
G	1	6"	150#	L.J.S.E.	SCH 40S	INLET	05
H	1	1 1/2"	150#	L.J.S.E.	SCH 80S	TEMPERATURE TRANSMITTER	05

SEE DWG 02 FOR TOLERANCE NOTES



(16) ANCHOR BOLT CHAIRS EQ. SPACED FOR 1 3/4" DIA. ANCHOR BOLTS FOR FOUNDATION LOADS SEE DWG 101263/02

GENERAL ARRANGEMENT ELEVATION VIEW
SEE DWGS 101263-02 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 @
DESIGN VACUUM:	5" OF WATER
CAPACITY:	
NET:	142,365 GALLONS
GROSS:	153,300 GALLONS
WEIGHT:	
EMPTY:	36,000 LBS.
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
1/11	2007	MAC	ADDED NAMEPLATE	DMP	DMP
10/26	2006	MAC	REVISED PLATFORM & LADDER UPDATED DATA	CES	CES
9/28	2006	MAC	REVISED PER APPROVAL DRAWINGS	CES	CES
9/2	2006	J.PLEAS	FIRST ISSUE	CES	CES

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ENERFAB, INC.
CINCINNATI, OHIO

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

DRAWING TITLE: **ASSEMBLY ELEVATION**
(1) 25'-0" THIN STILLAGE TANK
TAG NO. TF-5201

CONTRACT NO. 101263 DRAWING NO. 101263/01

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Canton, Illinois
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