



CERTIFIED PRINT CHECK
 CHK. BY: *Ullrich*
 DATE: 9-6-07

LURGI, INC.

03018
 CIE: ETHANOL
 Canton, Illinois
 09.04.07
 171 TS 950
 0180012025

CERTIFIED AS BUILT DRAWING
 KENNEDY TANK & MFG. CO., INC.
 NEWHAUPUS, INDIANA
 BY: *[Signature]* DATE: 3/28/07



MATERIALS

ROOF:	3/16" THK. A240-304
SHELL:	1/4" THK. A240-304
BOTTOM:	5/16" THK. A240-304
FLANGES:	A105 GALV. (LU FLGS.) A182-304
REPADS:	A240-304
NOZZLE NECKS (PIPE):	A312-304
NOZZLE NECKS (PLATE):	A240-304
WELD FITTINGS:	A413-304
VESSEL SUPPORT:	N/A
STRUCTURAL:	A240-304
BOLTS:	A193 ZINC PLATED
NUTS:	A207 ZINC PLATED
GASKETS:	3" x 1' 6" VITON

DESIGN CONDITIONS

DESIGN PRESSURE (IN W.C.):	15 INT./10 EXT.
AT DESIGN TEMP. (°F):	200
OPERATING PRESSURE (IN W.C.):	12
AT OPERATING TEMP. (°F):	190-200
CORROSION ALLOWANCE:	NONE
LABEL:	KT&M (PER API 650 WHERE APP.)
STRESS RELIEVE:	NONE
RADIOGRAPH:	NONE
JOINT EFF.:	70
HYDRO TEST:	N/A
AIR TEST:	2-3 PSIG
CUSTOMER INSPECTION:	YES
MTR COPIES:	1 KT&M, 1 CUSTOMER
NAMEPLATE FACSIMILE:	YES
SEISMIC & WIND DESIGN:	PER API 650

WEIGHTS & CAPACITIES

EST. CAPACITY, GALS	
PER FT. STRAIGHT SIDE:	1,057.5
TOTAL (TO TD, TOP ANGLE):	18,285
SP. GR. OF CONTENTS:	1.05
EST. WT. OF CONTENTS (LBS):	160,122
EST. WT. OF VESSEL (LBS):	16,000
TOTAL EST. WT. (LBS):	176,122

FITTING SCHEDULE

NO.	SIZE	TYPE	REMARKS
A	1 1/2"	150#/LJSE/SCH 40	DISCHARGE
B	1 1/2"	150#/LJSE/SCH 40	RECYCLE
C	1 1/2"	150#/LJSE/SCH 40	RECYCLE
D	1 1/2"	150#/LJSE/SCH 40	TEMPERATURE
E	1 1/2"	150#/LJSE/SCH 40	TEMPERATURE
F	1 20" x 20"	SD	TOP HANWAY
G	1 1/2"	150#/LJSE/STD WGT	CIP INLET
H	1 3/4"	150#/LJSE/SCH 40	CIP MAKE-UP
M	1 6"	150#/LJSE/SCH 40	OVERFLOW
N	1 24"	CL75/TT SWINGBOLT	SIDE HANWAY
P	1 8"	150#/LJSE/SCH 40	HEATER RECYCLE
Q	1 3/4"	150#/RF STUD PAD	LEVEL
R	1 1 1/2"	150#/LJSE/SCH 40	VENT PIPE

NOTES

- BOLT HOLES TO STRADDLE LINE PARALLEL TO 0°/180° AND 90°/270° CENTERLINES.
- FABRICATOR SHALL PROVIDE GASKETS, BOLTS, AND HEX NUTS FOR ALL MATING PARTS INCLUDING BLIND FLANGES WHERE NOTED.
- √ INDICATES MACHINE FINISHED SURFACE.
- INSULATION SUPPORTS ARE REQUIRED.
- FABRICATOR SHALL PROVIDE PROTECTIVE SHIELDS FOR ALL FLANGES AND OPENINGS.
- SHOP TOLERANCES DIMENSIONS ± 1/8" NOZZLES ± 1/2 DEGREE
- SANDBLAST: INTERNAL: NONE (POWER WASH) EXTERNAL: SS BRUSH STAINLESS EXTERNAL CS: SSPC-SP6
- LINING: NONE
- PAINT: ONE COAT INTERZING 82 AT 2-3 MILS DFT (CS ONLY)
- RADIUS WELDS & EDGES 1/8" MINIMUM.

KENNEDY TANK & MANUFACTURING CO., INC. 833 EAST SUMNER AVENUE INDIANAPOLIS, INDIANA 46227	
REVISIONS	DESCRIPTION
NO. DATE BY	13'-5" I.D. x 17'-0" H-CIP TANK
12/07/06 DLP	
3/28/07 DLP	
LURGI PSI / CIE, INC. CANTON, IL	
DESIGNER DLP	CHECKED BY [Signature]
APP'D BY DLP	DATE 12/22/06
ISSUED BY RLS	DATE 1/25/07
PREPARED BY MJA	DATE 1/8/07
DATE 1/8/07	267552A1201
TS-95031	PSI-20287