



68010
 CIE: ETHANOL
 Canton, Illinois
 09.04.07
 17-1 TS 5102
 0180012039

CERTIFIED PRINTING CHECK
 CHK. BY: *W. J. ...*
 DATE: *1-2-07*
 LFC: W.C.

CERTIFIED AS BUILT DRAWING
 KENNEDY TANK & MFG. CO., INC.
 BOWENVILLE, ILLINOIS
 DATE 3/28/07



MATERIALS	
ROOF	3/16" THK. A240-304
SHELL	3/16" THK. A240-304
BOTTOM	3/16" THK. A240-304
FLANGES	A192 GALV. (LU FLOWS) A192-304
REPADS	N/A
NOZZLE NECKS (PIPE)	A312-304
NOZZLE NECKS (PLATE)	A240-304
WELLS FITTINGS	A479-304
VESSEL SUPPORT	A479-304
STRUCTURAL	A479-304 A240-304
BO. TD.	A307 TING PLATED
NUTS	A307 TING PLATED
GASKETS	150# NEDERRENE

DESIGN CONDITIONS	
DESIGN PRESSURE (IN. W.C.)	20 IN. W.C. EXT.
AT DESIGN TEMP. (°F)	200
OPERATING PRESSURE (IN. W.C.)	ATM
AT OPERATING TEMP. (°F)	190
CORROSION ALLOWANCE	NONE
LABELLING KTM (PER ASME VIII & API 650 WHERE APPL.)	NONE
STRESS RELIEF	NONE
PASIDGRAPH	NONE
JOINT EFF.	NONE
HYDRO TEST	N/A
AIR TEST	2-3 PSIG
CUSTOMER INSPECTION	*ES
MTR COPIES	1 KTM 1 CUSTOMER
NAMEPLATE FACSIMILE	*ES
SEISMIC & WIND DESIGN	PER IBC 2003

WEIGHTS & CAPACITIES	
EST. CAPACITY, GALS.	
PER FT. STRAIGHT SIDE	211.9
TOTAL (TO T.O. TOP ANGLE)	1,768
SP. GR. OF CONTENTS	1.00
EST. WT. OF CONTENTS (LBS)	14,745
EST. WT. OF VESSEL (LBS)	3,000
TOTAL EST. WT. (LBS)	17,745

FITTING SCHEDULE			
NO.	DESCRIPTION	QTY.	REMARKS
A	1 1/2" SCH 40 L/JSE/SCH 40		OUTLET
B	1 3/4" SCH 40 STUD PAD		LEVEL LOWER
C	1 3/4" SCH 40 STUD PAD		LEVEL UPPER
D	1 1/2" SCH 40 STUD PAD		SIGHT GLASS
E	1 1/2" SCH 40 STUD PAD		SIGHT GLASS
F	1 1/2" SCH 40 L/JSE/STD WGT		INLET
G	1 1/2" SCH 10 PIPE		VAPOR OUTLET
H	1 1/2" SCH 40 L/JSE/SCH 40		OVERFLOW
K	1 3/4" SCH 40 L/JSE/SCH 40		RECYCLE INLET
M	1 2" SCH 40 L/JSE/SCH 40		SIDE MANWAY

NOTES	
1.	BOLT HOLES TO STRADDLE LINE PARALLEL TO 0°/90° AND 90°/270° CENTERLINES
2.	FABRICATOR SHALL PROVIDE GASKETS, BOLTS, AND HEX NUTS FOR ALL MATING PARTS INCLUDING BLIND FLANGES WHERE NOTED
3.	✓ INDICATES MACHINE FINISHED SURFACE
4.	INSULATION SUPPORTS ARE REQUIRED
5.	FABRICATOR SHALL PROVIDE PROTECTIVE SHIELDS FOR ALL FLANGES AND OPENINGS
6.	SHOP TOLERANCES DIMENSIONING ± 1/8" NOZZLES ± 1/2 DEGREE
7.	SANDBLAST: INTERNAL NONE (UPPER VAPOR EXTERNAL SS BRUSH STAIRBLAST EXTERNAL SS SPCC-20A
8.	LINING: NONE
9.	PAINT: ONE COAT INTERING 22 AT 2-3 MILS DFT. (CS ONLY)
10.	RADIUS WELDS & EDGES 1/8" MINIMUM

NO.	DATE	BY	DESCRIPTION
1	1/25/07	DLP	72" O. x 96" S-S
2	1/23/07	DLP	CENTRATE TANK
3	3/27/07	DLP	LURGI PSI / CIEC, INC.
			CANTON, IL