

NOTE: ALL RIGHTS RESERVED. THIS DRAWING MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF HIGHLAND TANK®. HIGHLAND TANK® SHALL BE RESPONSIBLE ONLY FOR ITEMS INDICATED ON THIS FABRICATION DRAWING UNLESS OTHERWISE NOTED. CUSTOMER IS RESPONSIBLE FOR VERIFYING CORRECTNESS OF SIZE AND LOCATION OF FITTINGS, ACCESSORIES, AND COATINGS SHOWN ON THIS DRAWING.

TOUCH UP OF FINISHED PAINT IS REQUIRED BY INSTALLATION CONTRACTOR. TOUCH UP PAINT SHIPPED WITH TANK.

- NOTES
1. SEE PLAN VIEW FOR TRUE ORIENTATION AND LOCATION OF FITTING

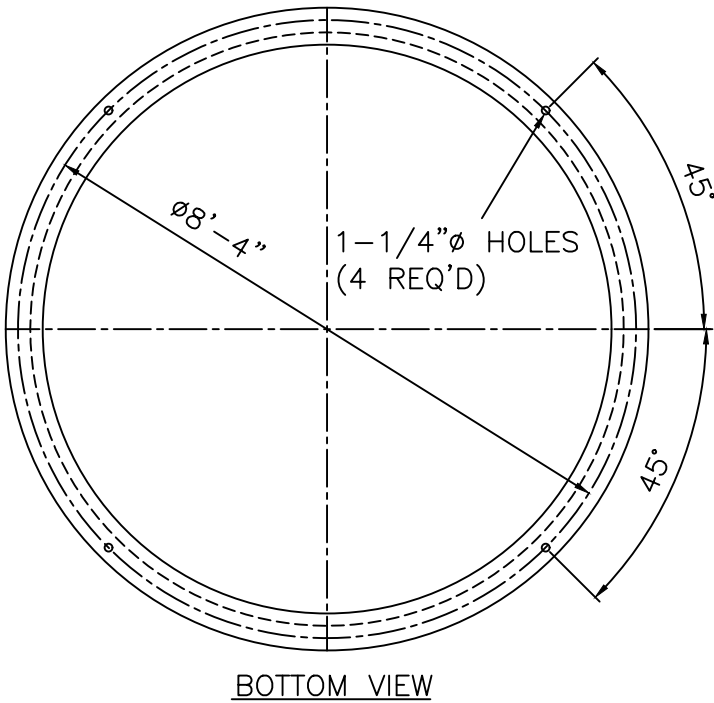
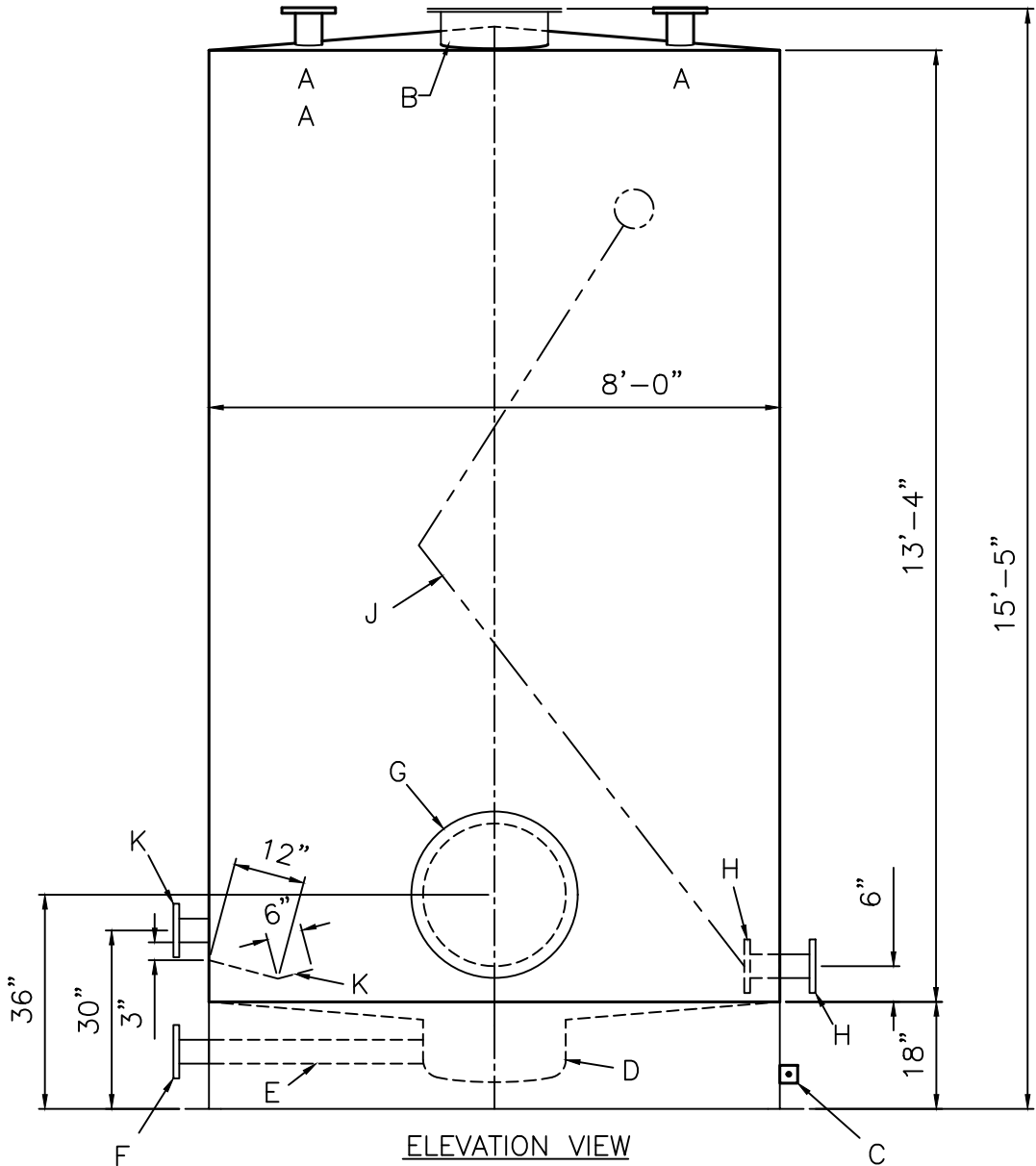
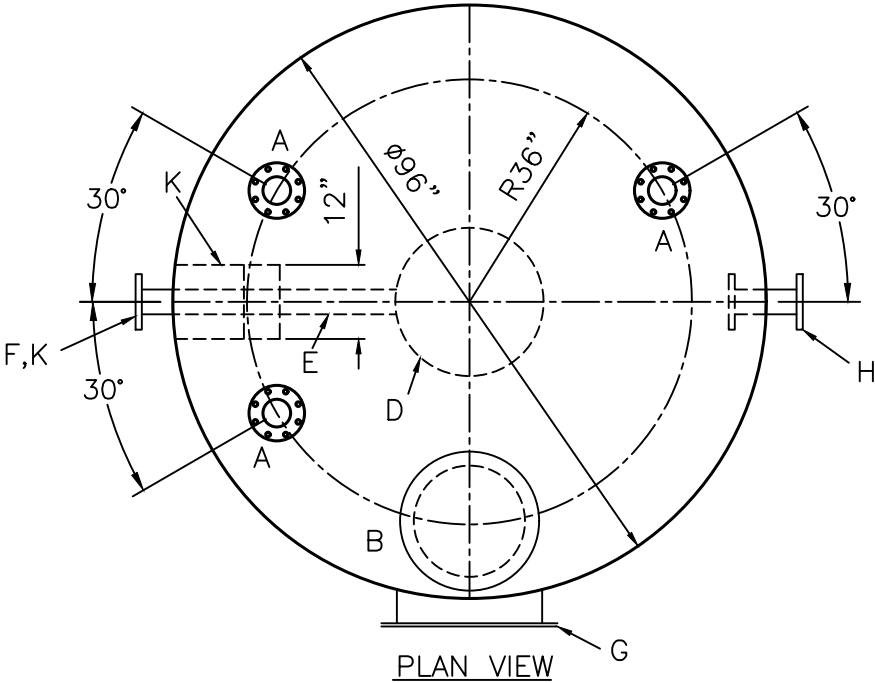
2. LIFTING LUGS FOR UNLOADING UNIT & STANDING UNIT UPRIGHT TO BE PLACED AS NEEDED BY FABRICATION SHOP

3. A 3x3x¼” STEEL GROUNDING LUG WITH A ⅝”ø HOLE IN CENTER TO BE PLACED ON SHELL AT BOTTOM OF TANK IN LINE WITH LIFTING LUGS

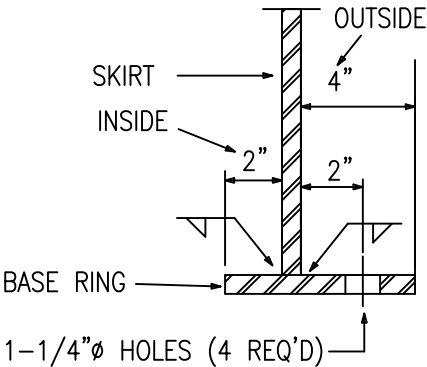
SHIPPING LUGS AS NEEDED

SHIP LOOSE: (INSTALLATION ON SITE BY OTHERS)
SEE QUOTE FOR DETAILS

FLOATING SUCTION ASSEMBLY BY OTHERS



DESIGN DATA	
CAPACITY – 5,000 GALLON	
TYPE – SINGLE WALL ABOVEGROUND VERTICAL	
NO. REQ. – ONE	
OPERATING PRESSURE – ATMOSPHERIC	
SPECIFIC GRAVITY = 1.0	
TANK MATERIAL – MILD CARBON STEEL	
THICKNESS – TOP: 7 GA SHALLOW SLOPE	
THICKNESS – INNER BOTTOM: 3/8” SHALLOW CONE	
THICKNESS – SHELL: 7 GA	
THICKNESS – SKIRT: 3/8”	
THICKNESS – BASE RING: 3/8”	
CONSTRUCTION – LAP WELD OUTSIDE ONLY	
TANK TEST – 2 PSIG	
INT. FINISH – NONE	
EXT. FINISH – SP6 BLAST, WHITE URETHANE FINISH	
LABEL – UL 142	
LEGEND	
A	4” RFSO 150# FLANGE
B	18” LOOSE BOLT MANWAY
C	GROUNDING LUG WITH 5/8” HOLE
D	24” PIPE CAP (SUMP)
E	4” SCH 40 BLACK IRON PIPE
F	4” RFSO 150# FLANGE
G	24”ø CLOSE BOLT MANWAY w/ 1/4” NECK, 1/4” FLANGE AND 3/8” COVER PLATE & 1/8” NEO-CORK GASKET MATERIAL.
H	4” RFSO 150# FLANGE INSIDE & OUTSIDE
J	4” FLOATING SUCTION – BY OTHERS
K	4” RFSO 150# FLANGE WITH DIFFUSION PLATE WITH 15° BENDS



BOTTOM JOINT DETAIL

3	ADD FITTING H IN THE PLAN VIEW	11/30/11	003
2	CHANGE SKIRT & CONE FROM 1/4” TO 3/8”, ADD ANCHOR BOLT HOLES	10/27/11	003
1	ADD FITTINGS G,H,J,K	10/5/11	003

HIGHLAND TANK MFG CO. Highland Tank	
UNLESS NOTED, TOLERANCES ARE +/- 1"	
5,000 GAL 96”ø SW VERTICAL TANK FUEL OIL STORAGE	
CUSTOMER: EASTERN FIRST	
PROJECT: CONCORD ENERGY	
QUOTE NO: 281554	CHK'D BY:
SCALE: 3/8"=1'-0"	DATE: 8/17/11
DWG. BY: 003	DWG. NO.: 75758