

The technical drawing illustrates a manway assembly with two main views: a side elevation and two top views.

- Side Elevation View:** Shows a rectangular structure with a total width of 17'-0". The assembly includes:
  - A horizontal line labeled "GRADE" at the top.
  - Vertical dimensions from left to right: 36", 30", 24", and 50".
  - Labels for components: "LOCKABLE MANWAY COVER PLATE", "LOCKING FILL CAP", "LEVEL FLOAT", "LIFTING LUGS AS NEEDED", "STRIKER PLATES", and "ANTI-VORTEX PLATE".
  - Internal features are shown with dashed lines, including a vertical shaft and a ladder-like structure.
  - Letters A, B, C, D, E, F, G, H, J, K, and L mark specific points or components throughout the assembly.
- Top Views:**
  - TOP VIEW OF THE MANWAY (Left):** A circular view showing a central point with four quadrants labeled L, K, and others. It is associated with the "LOCKABLE MANWAY COVER PLATE".
  - TOP VIEW OF THE MANWAY (Right):** Another circular view showing a different configuration with labels D, C, E, and others. It is also associated with the "LOCKABLE MANWAY COVER PLATE".

The diagram illustrates the D-FAR system. The top-down view shows a large circle with a diameter of 120 inches, indicated by a dimension line labeled  $\phi 120''$ . A central rectangular area is labeled 'A'. A vertical dashed line runs through the center, with a section line 'E' and a break symbol. At the bottom of this line is a circular detail labeled 'J' showing a cross-section with internal components. The side view shows a vertical assembly with a top flange labeled 'D', a central column labeled 'C', and a base labeled 'B'. A section line 'E' is also shown on the side view. A label 'D-FAR SIDE ONLY' points to the side view.

DESIGN DATA

CAPACITY - 10,000 GALLONS
TYPE - SINGLE WALL, HIGHGUARD UNDERGROUND
NO. REQ. - -
OPERATING PRESSURE - ATMOSPHERIC
TANK MATERIAL - MILD CARBON STEEL
THICKNESS - HEADS- 1/4"
THICKNESS - SHELL- 1/4"
*GA THK. BASED ON 60" MAX. BURIAL DEPTH
CONSTRUCTION - FLAT FLANGED HEADS, LAP WELD INSIDE & OUTSIDE
TANK TEST - 5 PSIG
INT. FINISH - SP10 BLAST HighDRO®-LINER PLUS FOR NSF 61 APPLICATIONS
EXT. FINISH - SP6 BLAST, 75 MILS POLYURETHAN
LABEL - UL-1746 PART IV, HIGHGUARD

## LEGEND

A	HTM SPIN BRK'T – MFG USE ONLY – NOT TO BE USED FOR FIELD INSTALLATION	G	2" FNPT FITTING
B	24"Ø TIGHT BOLT MANWAY w/ 1/8" THK. EPDM GASKET MATERIAL.	H	FNPT FITTING w/ GOOSENECK VENT (VENT CONNECTION)
C	24"Ø MANWAY EXTENSION & COVER PLATE w/ 1/8" THK. EPDM GASKET	J	6" 150# RFSO FLANGE w/ ANTI-VORTEX PLATE (SUCTION)
D	2" FULL COUPLING (ELECTRICAL CONNECTION)	K	LEVEL CONTROL MANWAY W/ 1/8" THK. EPDM GASKET MATERIAL, CONTINUOUS LEVEL AND/ OR FLOATS
E	16" WIDE INTERNAL LADDER W/ 3/4" RUNGS ON 12" SPACING.	L	2" FULL COUPLING (ELECTRICAL CONNECTION)
F	FNPT FITTING PIPE WITH SCH 40 DROP TO WITHIN 6" OF TANK BOTTOM (FILL CONNECTION)		



# Highland Tank

UNLESS NOTED, TOLERANCES ARE  $\pm .1"$

HighDRO® WATER STORAGE TANK  
10,000 GAL 120"Ø SINGLE-WALL ABOVEGROUND VERTICAL  
FOR POTABLE WATER WITH BOTTOM DRAIN

FOR
CUSTOMER:

PROJECT:

QUOTE NO:

SCALE:	DATE:
3/8"=1'-0"	

DWG. BY:
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CHK'D BY:

DWG. NO.:  
10000HGSWHDPWTRD120