

Technical drawing of the Base Frame Detail. The drawing shows a rectangular frame with a central circular feature. Dimensions are given in inches, with fractions and mixed numbers. Callouts A and B point to specific features.

Dimensions:

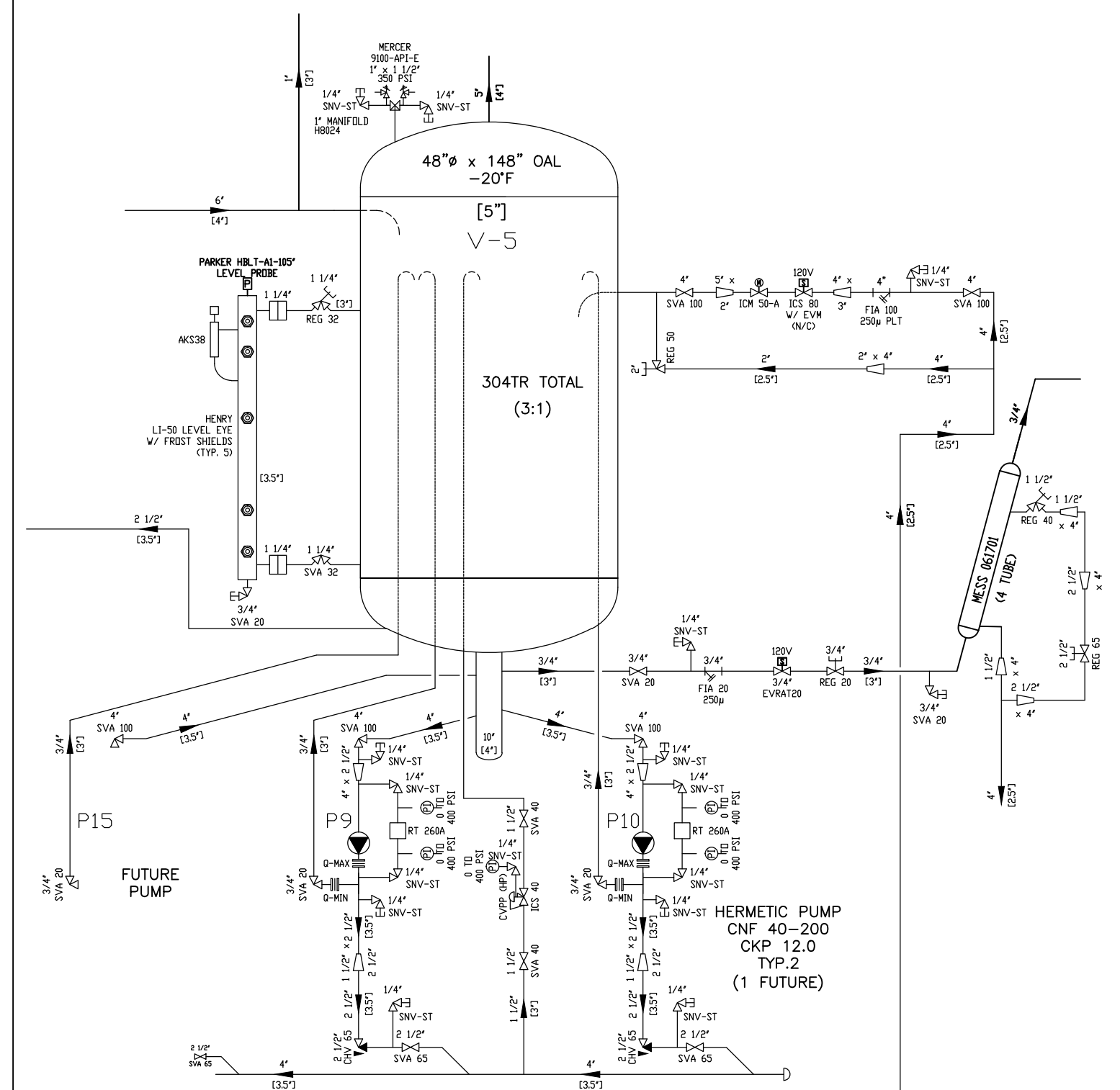
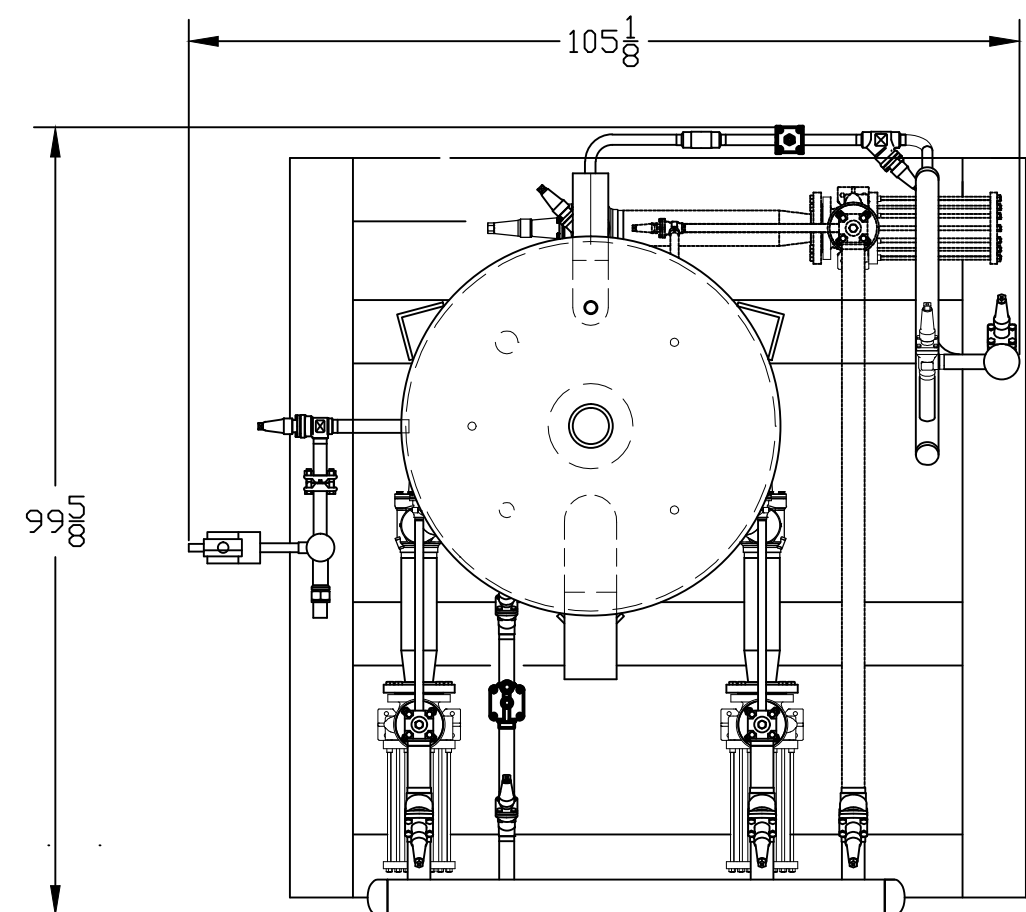
- Overall width: $84\frac{7}{8}$
- Overall height: $93\frac{5}{8}$
- Inner width: $62\frac{1}{2}$
- Inner height: $62\frac{1}{4}$
- Distance from top edge to center of circle: $19\frac{3}{4}$
- Distance from left edge to center of circle: $13\frac{5}{8}$
- Radius of circle: $12\frac{0}{8}$
- Distance from bottom edge to center of circle: 12
- Distance from right edge to center of circle: 12
- Distance from right edge to anchoring point: 12
- Distance from bottom edge to anchoring point: 12

Callouts:

- A: Points to the bottom of the central circular feature.
- B: Points to the top of the central circular feature.
- C: Points to the right side of the central circular feature.
- D: Points to the left side of the central circular feature.
- E: Points to the bottom of the central circular feature.
- F: Points to the top of the central circular feature.
- G: Points to the right side of the central circular feature.
- H: Points to the left side of the central circular feature.
- I: Points to the bottom of the central circular feature.
- J: Points to the top of the central circular feature.
- K: Points to the right side of the central circular feature.
- L: Points to the left side of the central circular feature.
- M: Points to the bottom of the central circular feature.
- N: Points to the top of the central circular feature.
- O: Points to the right side of the central circular feature.
- P: Points to the left side of the central circular feature.
- Q: Points to the bottom of the central circular feature.
- R: Points to the top of the central circular feature.
- S: Points to the right side of the central circular feature.
- T: Points to the left side of the central circular feature.
- U: Points to the bottom of the central circular feature.
- V: Points to the top of the central circular feature.
- W: Points to the right side of the central circular feature.
- X: Points to the left side of the central circular feature.
- Y: Points to the bottom of the central circular feature.
- Z: Points to the top of the central circular feature.

ANCHORING POINT, 1" Ø TYP. 4

BASE FRAME
DETAIL



(*) DENOTES RECOMMENDED INSULATION THICKNESS

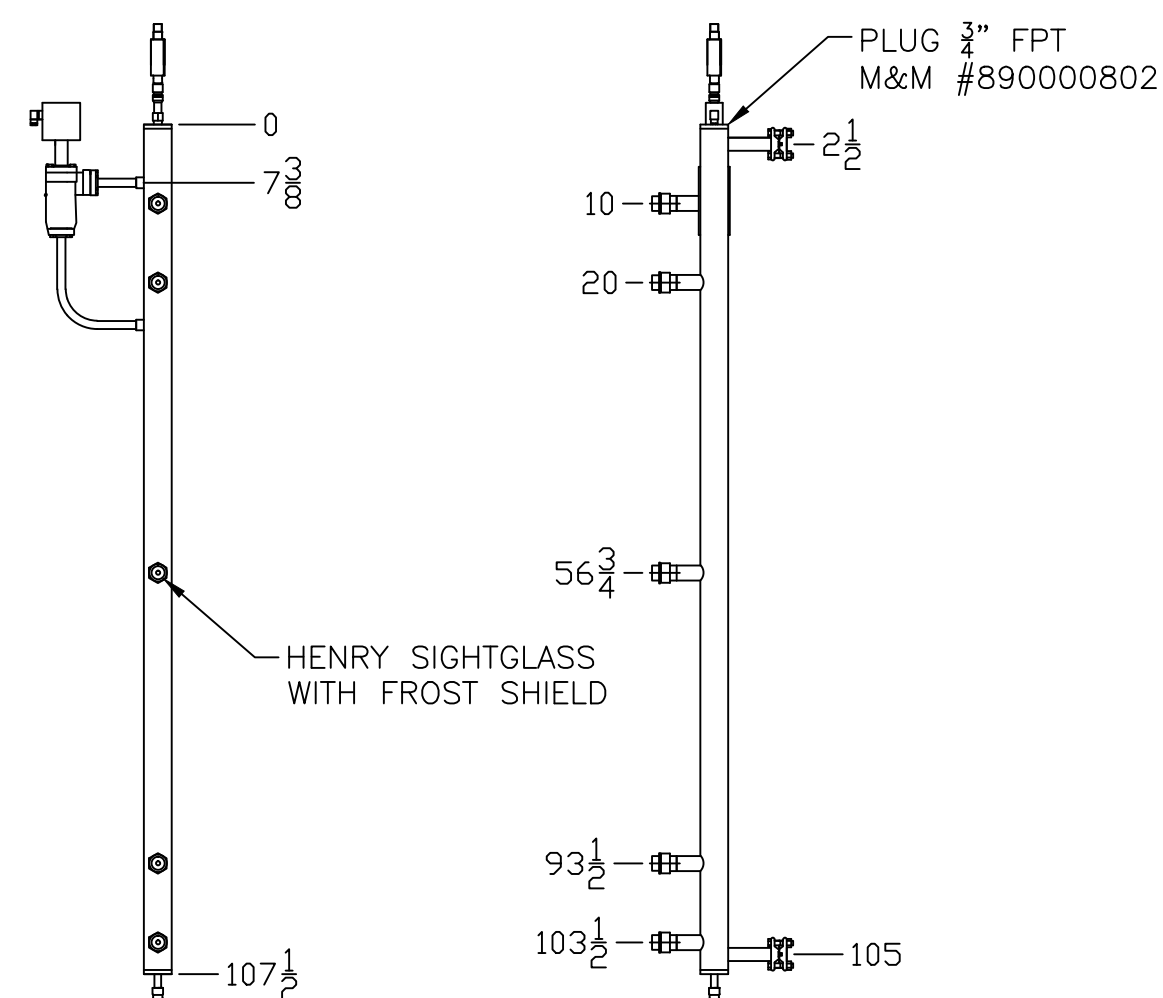
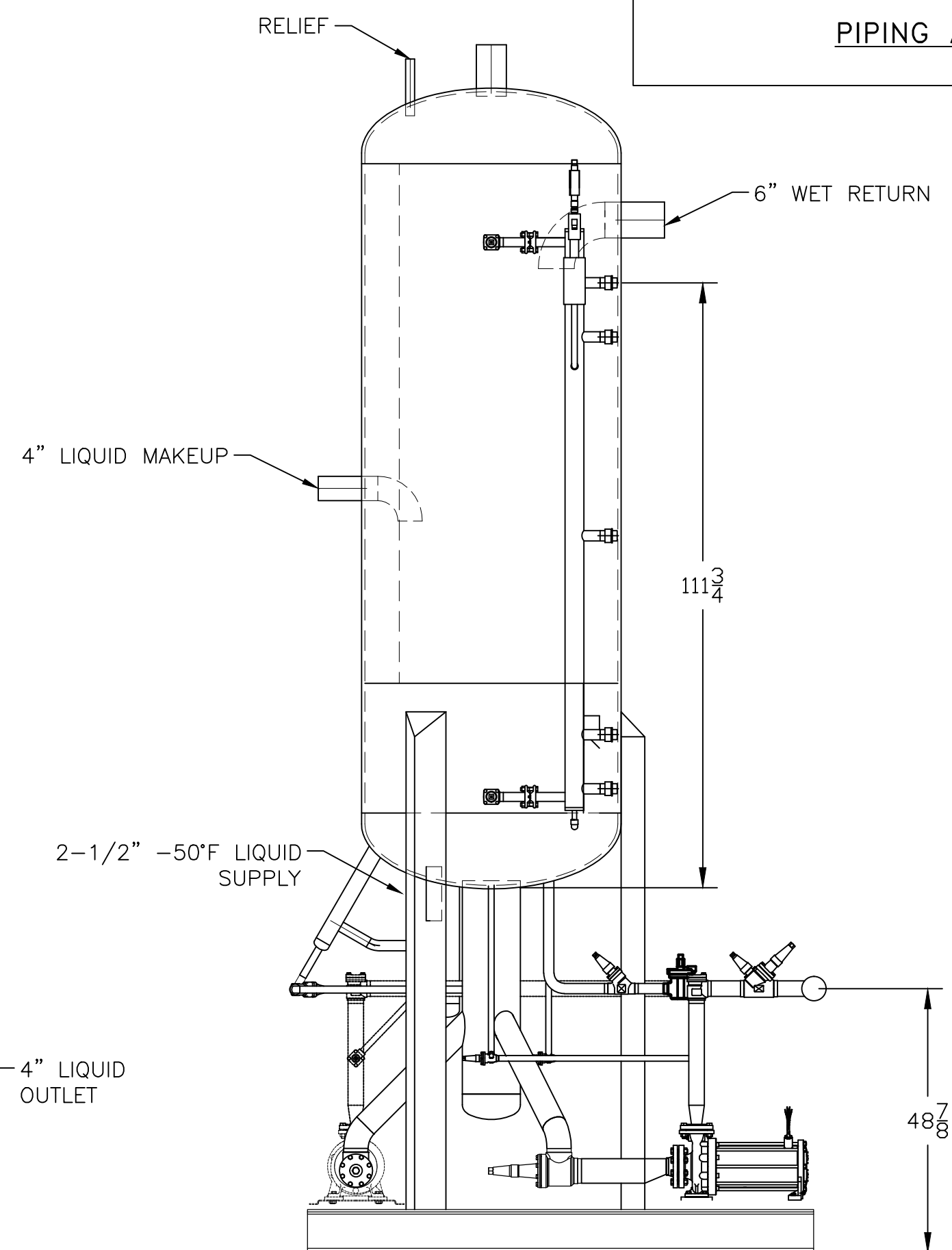
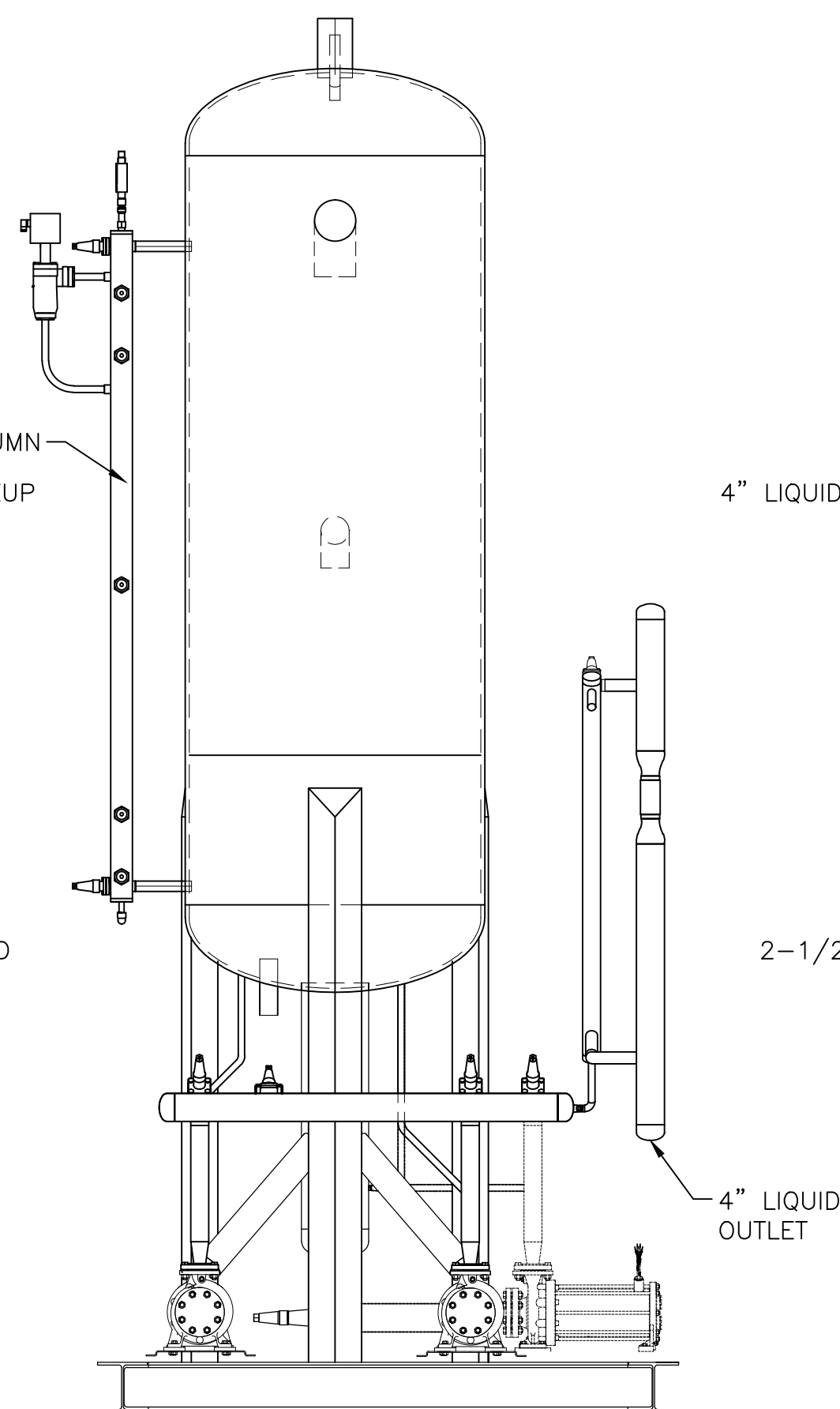


Diagram illustrating the connections and components of a vertical storage tank:

- 5" DRY SUCTION
- 6" WET RETURN
- 4" LIQUID INLET
- LEVEL COLUMN
- 4" LIQUID MAKEUP
- 2-1/2" -50°F LIQUID SUPPLY
- VERIFY HEIGHT FOR INSULATION CLEARANCE
- 47 1/8



END USER NAME XTL INC	
LOCATION OF INSTALLATION COUNCIL BLUFFS, IA	
CONTRACTOR NAME M&M REFRIGERATION	
DESIGN CONDITIONS	
REFRIGERANT	R744
DESIGN WORKING PRESSURE	350 PSIG
VESSEL CAPACITY	304 TR
VESSEL SURGE VOLUME	73 - Cu. Ft.
REFRIGERANT TEMPERATURE	-20°F
LIQUID MAKE UP TEMPERATURE	+20°F
REQUIRED PUMP CAPACITY	79 GPM
RECIRCULATION RATIO	3 to 1
PUMP NET HEAD	194 FT
RECIRCULATOR PUMPS (QTY. 2)	
MFR / MODEL	HERMETIC CNF 40-200 CKP-12
IMPELLER SIZE	7.9 in.
MOTOR / RPM	22.8 - HP / 3557 RPM
VOLTAGE/PHASE/Hz	460V / 3 PH / 60 Hz
BYPASS REGULATOR MFR/MODEL	ICS-40+CVPP
LIQUID LEVEL SPEC.	
PROBE MFR / MODEL	PARKER HBLT1A-105"
OPERATING LEVEL	28 1/2" FROM BOT. VESSEL
HIGH LEVEL CUTOFF HLCO	112" FROM BOT. VESSEL
HIGH LEVEL ALARM HLA	102" FROM BOT. VESSEL
LOW LEVEL CUTOFF LLCO	18 1/2" FROM BOT. VESSEL

SPECIFICATIONS

DIMENSIONS ARE APPROXIMATE
DO NOT SCALE
DO NOT USE FOR PREFABRICATION
OF PIPING

APPROXIMATE WEIGHT: 7800#

This drawing may be utilized only for the purpose of constructing or installing the work shown thereon at the place of manufacture or the site of the work specified. Any other use of this drawing, including without limitation any reproduction or alteration of this drawing without the prior written approval of M&M Refrigeration is prohibited.



VERTICAL PUMP RECIRCULATOR -20°F / 48"Ø x 148"OAH GENERAL ARRANGEMENT			
DATE	09/09/15	DWG. NO.	REV
DWG. BY	TMH	15C-061-0160B	A
P/C			
APP. BY	DRP 10/23/15	☐ BM	SHEET NO. 1 of 1