

## NOTES

## GENERAL

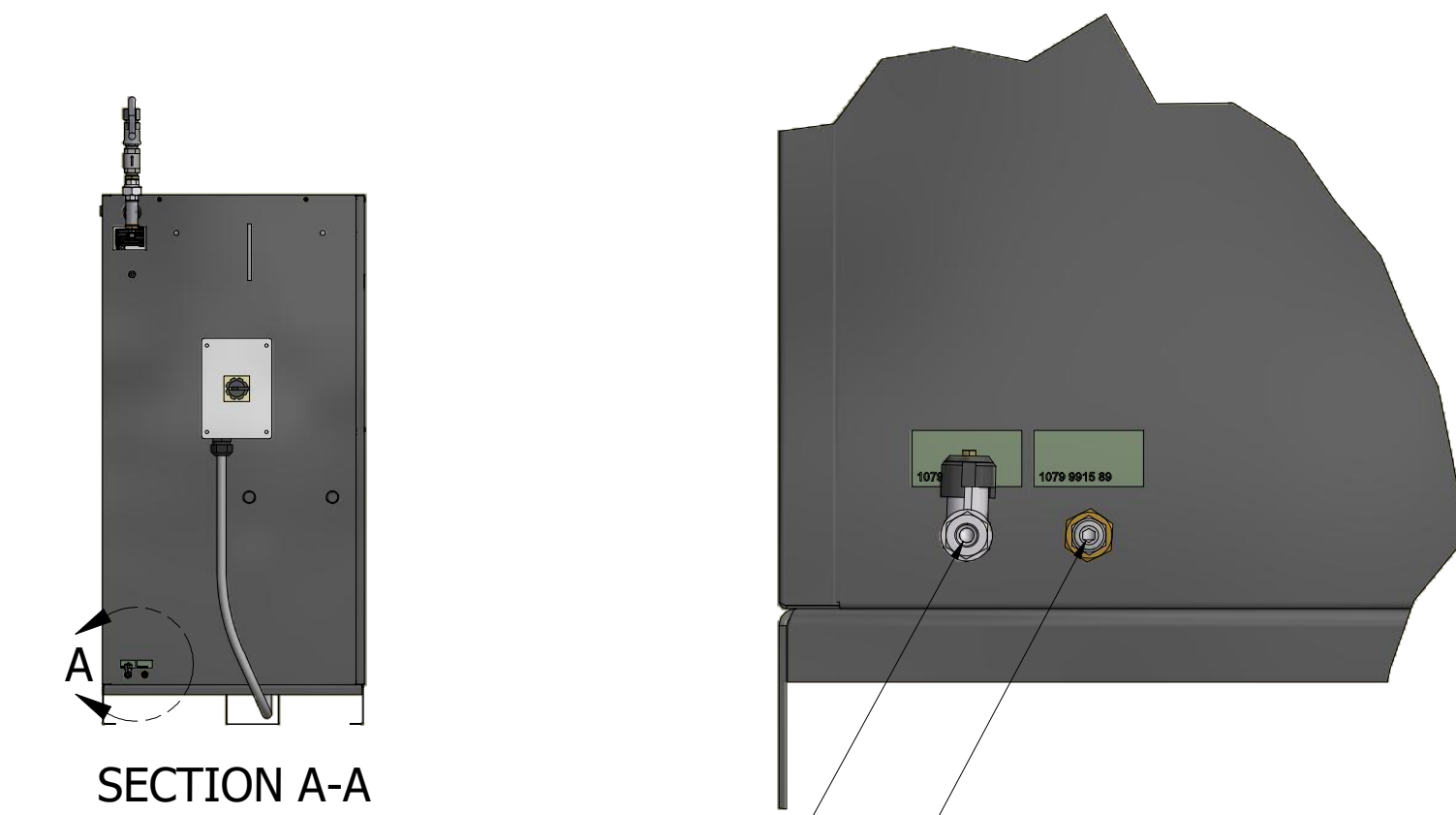
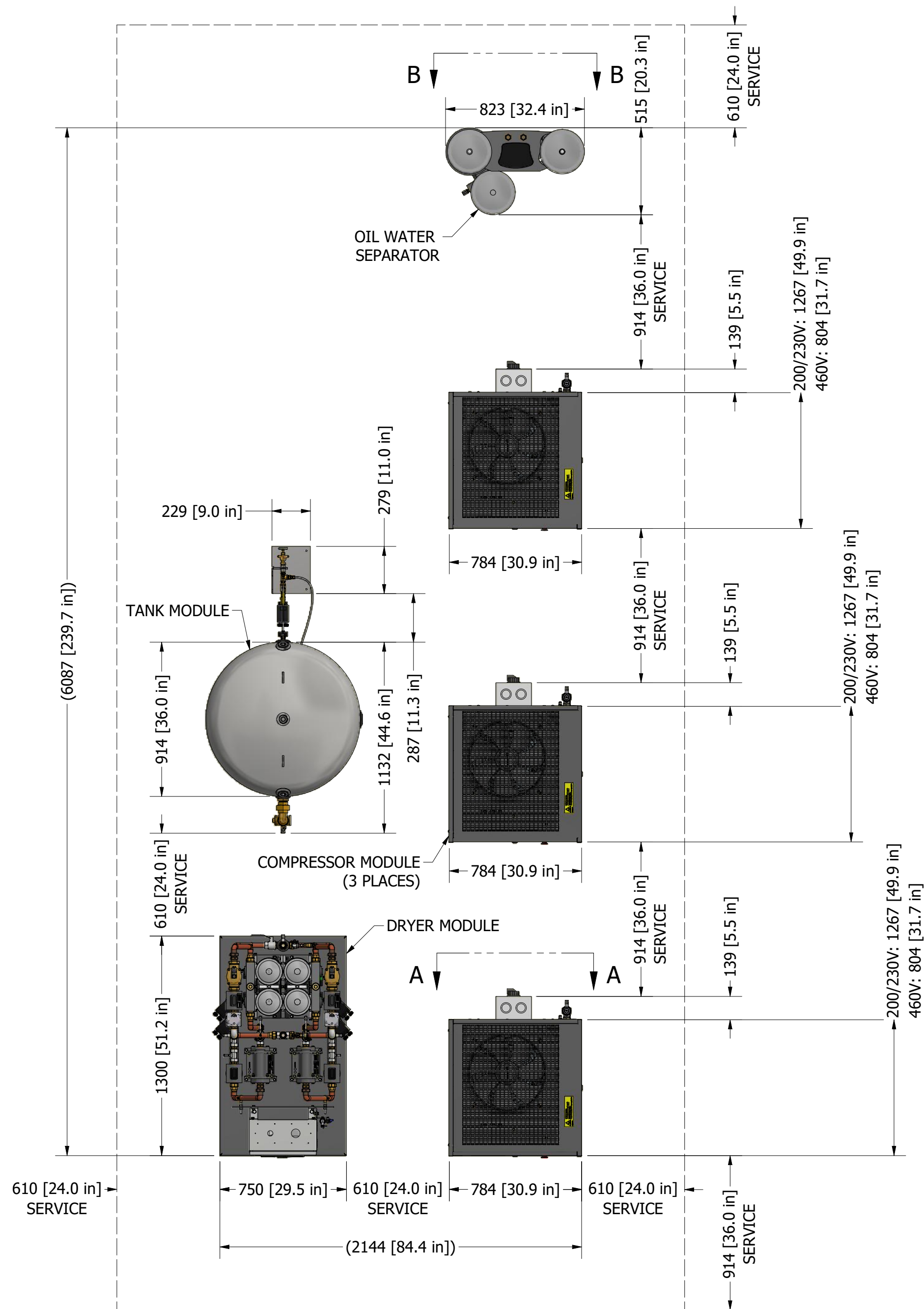
1. EQUIPMENT, INSTALLATION, INSTALLATION, AND TESTING OF THE INSTRUMENT AIR SYSTEM SHALL COMPLY WITH NFPA 99, 2018 EDITION AND ALL STATE AND LOCAL CODES OR ORDINANCES.
2. EQUIPMENT, ELECTRICAL AND PIPING LAYOUT IS DIAGRAMMATIC ONLY: FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH OTHER TRADES.
3. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE RANGE OF 40°F - 105°F [4°C - 41°C] (FOR HIGHER AMBIENTS, CONSULT FACTORY).
4. REFERENCE OPERATION AND MAINTENANCE MANUAL FOR PROPER LOCATION OF MODULES TO ENSURE ADEQUATE AIR FLOW ACROSS THE UNITS.
5. VENTILATION: THE INLET GRID(S) AND VENTILATION FAN SHOULD BE INSTALLED IN SUCH A WAY THAT ANY RECIRCULATION OF COOLING AIR TO THE COMPRESSOR IS AVOIDED. THE AIR VELOCITY TO THE GRID(S) HAS TO BE LIMITED TO 16FT/S [5M/S].
6. SERVICE AND MAINTENANCE: RECOMMENDED MINIMUM CLEARANCE IN FRONT OF DRYER MODULE CONTROL PANEL AND COMPRESSOR MODULE CONTROL PANEL IS 36" [914MM]. RECOMMENDED MINIMUM CLEARANCE ELSEWHERE IS 24" [610MM].
7. ALL EQUIPMENT SHOULD BE INSTALLED ON A LEVEL FLOOR CAPABLE OF TAKING THE WEIGHT OF THE EQUIPMENT.

## PIPING

8. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99, 2018 EDITION.
  9. ALL INTERCONNECTING PIPING AND FITTINGS SHALL BE SUPPLIED AND INSTALLED BY OTHERS.
  10. FOR DISCHARGE PIPE SIZING REFER TO STANDARD PRESSURE DROP TABLES (TOTAL PRESSURE DROP SHOULD BE LESS THAN 2PSIG [0.1BARG]).
  11. ALL INTERCONNECTING PIPING SHALL BE SUPPLIED AND INSTALLED BY OTHERS. PIPING SHALL BE HARD-DRAWN SEAMLESS TYPE "K" OR "L" COPPER TUBING CONFORMING TO ASTM DESIGNATION B-819 AND INSTALLED IN ACCORDANCE WITH NFPA 99, 2018 EDITION.
  12. THE RECEIVER DRAIN VALVE IS SUPPLIED WITH A 3/8" HOSE BARB. EACH COMPRESSOR MODULE IS SUPPLIED WITH (2) 5/16" BRASS COMPRESSION FITTING DRAIN CONNECTIONS. ALL DRAIN LINES SHALL BE SUPPLIED AND INSTALLED BY OTHERS AND RUN TO AN OIL WATER SEPARATOR, THEN TO AN APPROPRIATE WASTE DRAIN.
- ELECTRICAL**
13. ELECTRICAL POWER SHALL BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL ELECTRICAL DISTRIBUTION (EMERGENCY POWER). POWER NEEDED AT EACH MODULE.
  14. INTERCONNECTING COMMUNICATION "CAN" CABLES ARE SUPPLIED BY BEACONMEDAE. COMPRESSORS ARE CONNECTED TO THE MAIN CONTROL PANEL IN SERIES USING THESE CABLES. THE STANDARD CABLE LENGTH IS [10M] (FOR LONGER CABLE LENGTHS, CONSULT FACTORY).
  15. ALL CONDUIT, FITTINGS AND CONDUCTORS SHALL BE SUPPLIED BY OTHERS.
  16. REFER TO LIFELINE WIRING DIAGRAM SHIPPED WITH CONTROL MODULE UNIT FOR CONNECTIONS IN THE PANEL.
  17. POWER CORD FOR THE AUTOMATIC DRAIN WILL BE SUPPLIED BY BEACONMEDAE. STANDARD CABLE LENGTH IS 33FT [10M] (FOR LONGER CABLE LENGTHS, CONSULT FACTORY).
  18. NO FOUNDATION OR INERTIA PAD IS REQUIRED. NO VIBRATION PADS ARE REQUIRED. HOUSEKEEPING PAD IS OPTIONAL.

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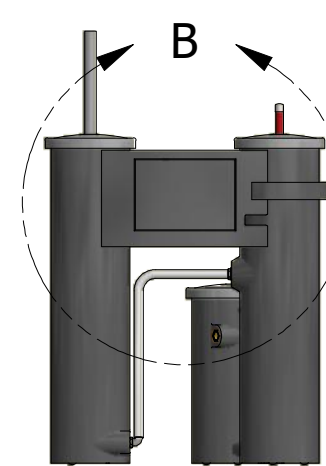


SECTION A-A

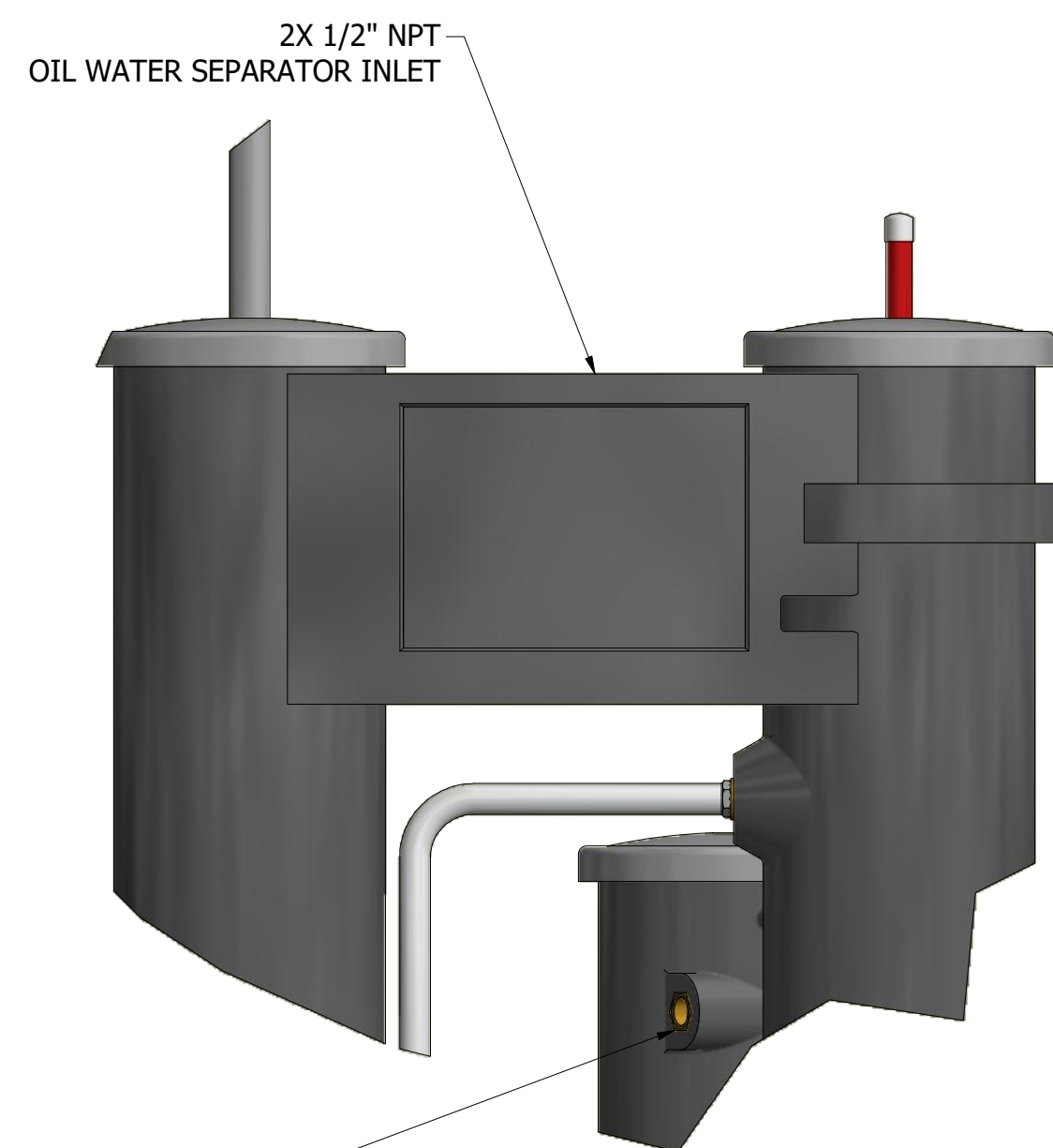
DETAIL A

1/8" NPT FEMALE  
MANUAL DRAIN OUTLET





QUICK CONNECT FITTING TO BE  
USED WITH Ø8 [5/16 in] TUBE  
AUTOMATIC DRAIN OUTLET



VIEW B-B



DETAIL B

INSPECTION CHECKLIST UNLESS OTHERWISE SPECIFIED:   		Revised: GTM	Date: 3/25/2022	Drawn: SMB	Date: 12/16/2015
		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: $XX \pm .10$ $XXX - .005$			Scale: NTS
		 <b>BEACONMEDICS</b>	$XXX - .0005$ $ANGLES \pm 1$		
ALL ITEMS MARKED BY ONE OF THE ABOVE SYMBOLS ARE TO BE INSPECTED		Description:	Drawing Number: 4107 8572 21		
		DWG INST TX 25HP INSTRUMENT AIR MODULAR	DN: HOP200346		Rev: 02
EQUIPMENT TO BE USED DURING RECEIVING INSPECTION SHALL BE PER QUALITY SYSTEM PROCEDURES			Sheet 1 of 2		DO NOT SCALE THIS DOCUMENT

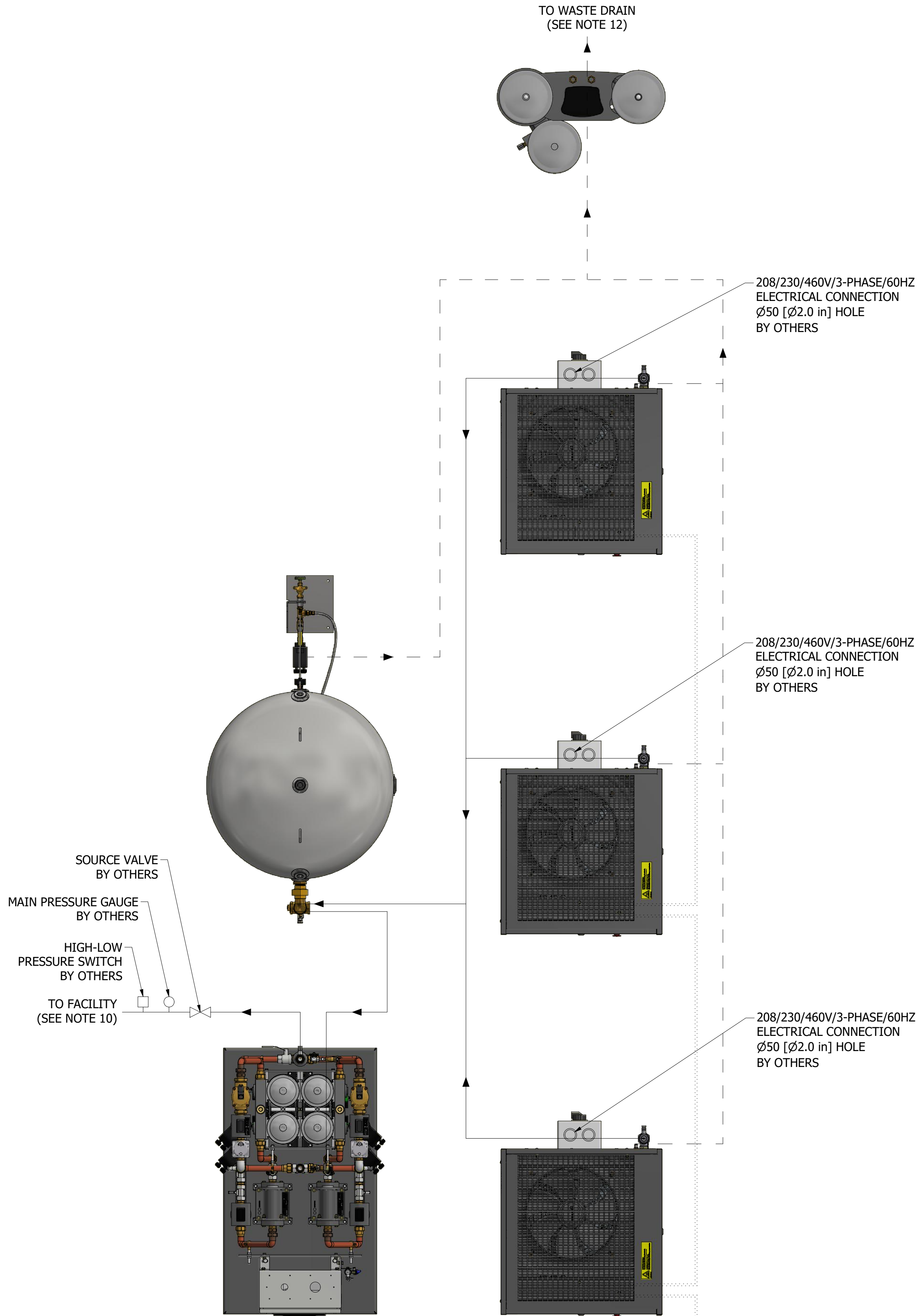


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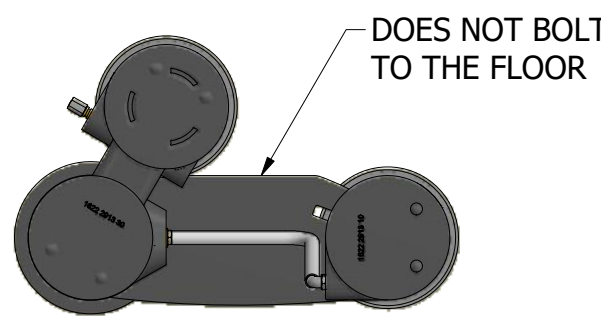
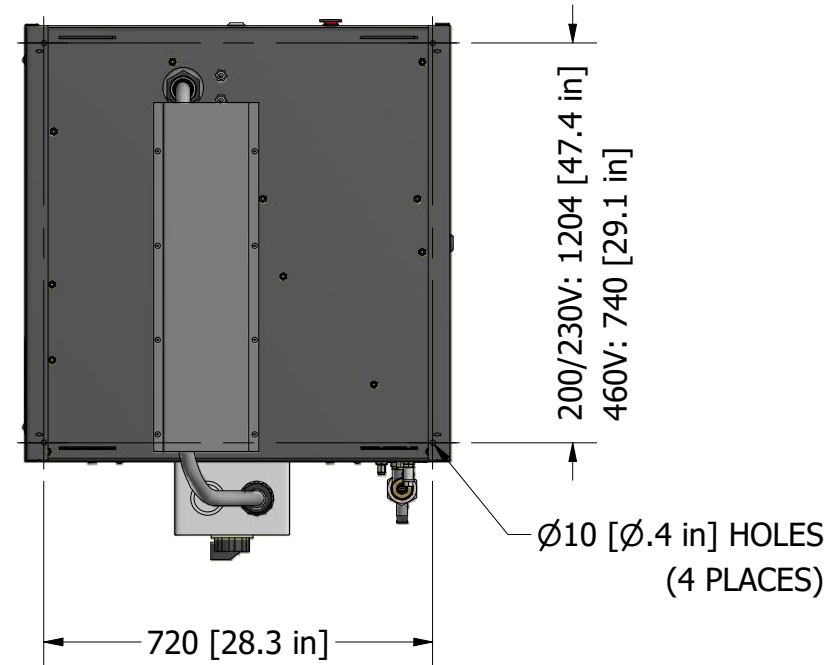
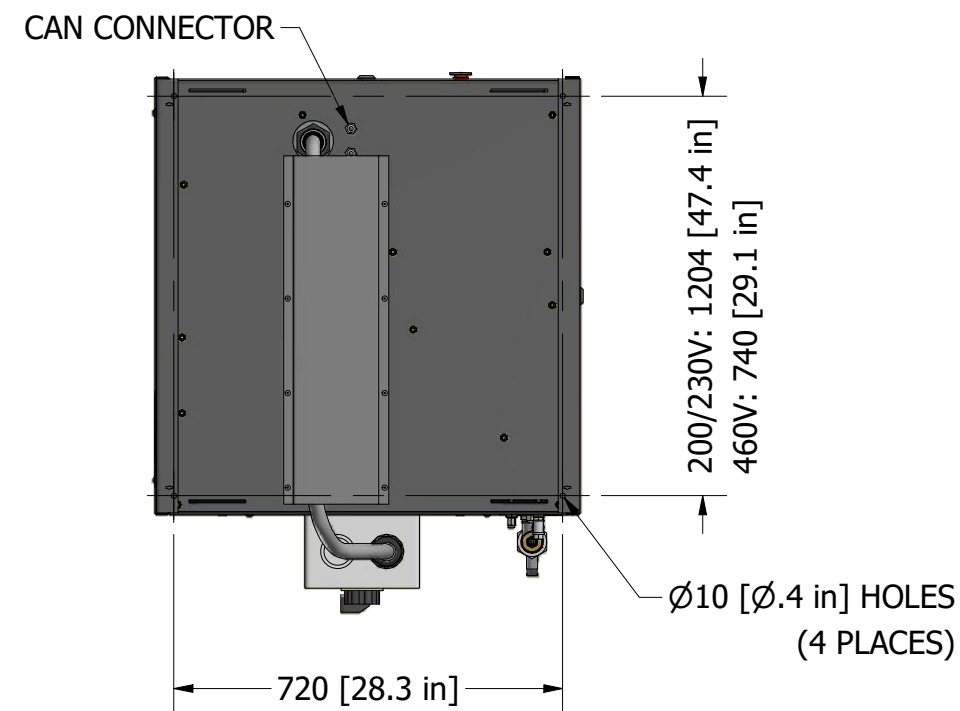
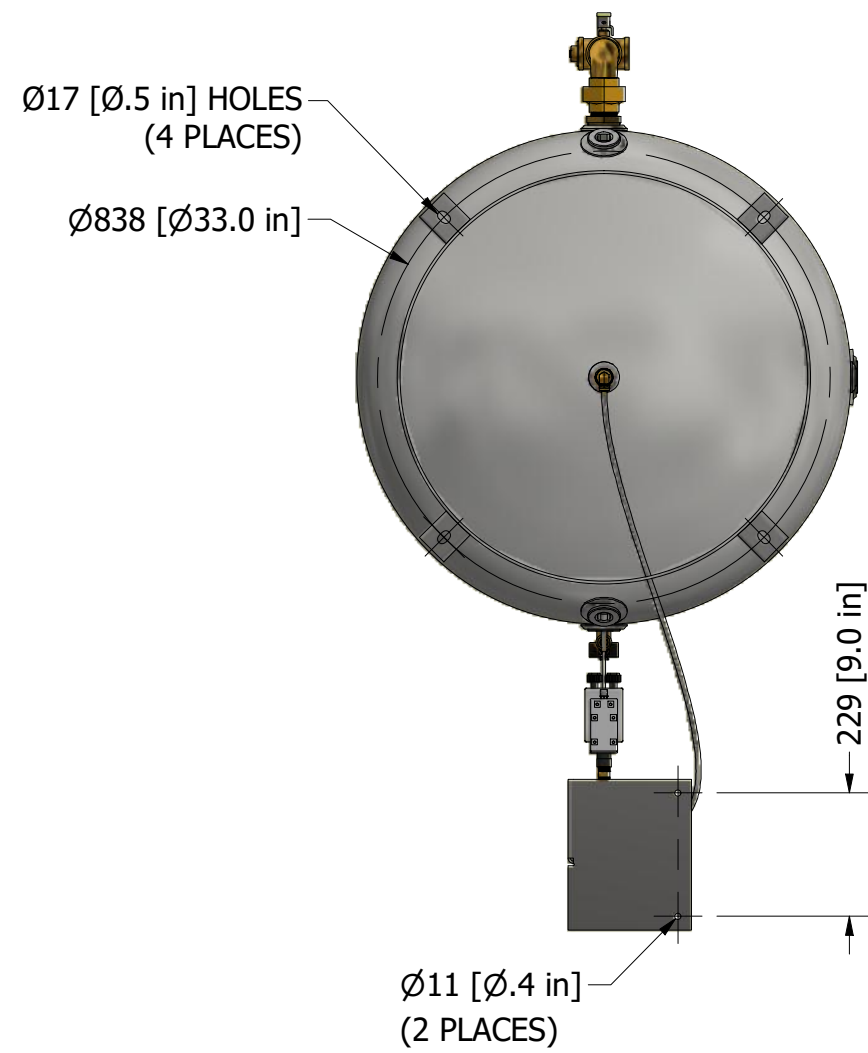
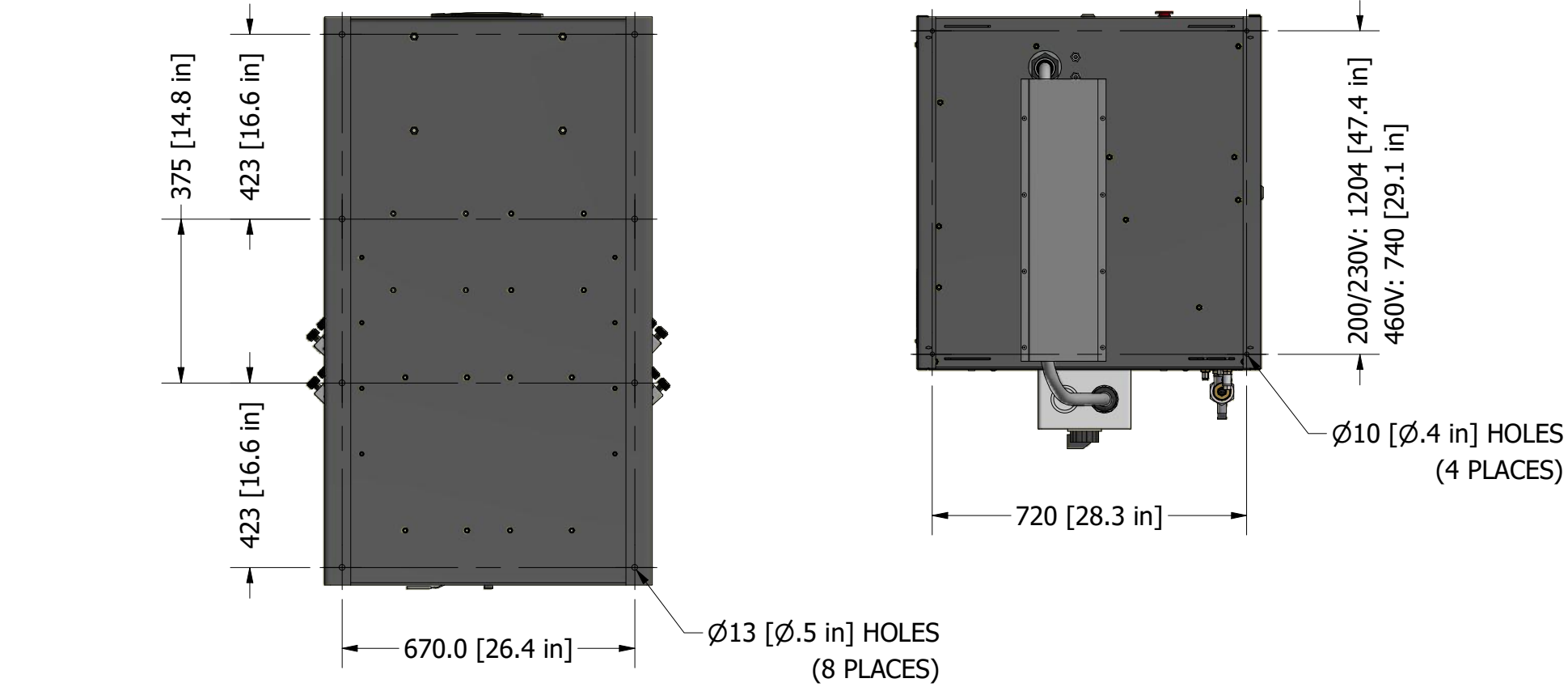
## LINE KEY

SUPPLIED BY BEACONMEDAES	
24V AC	.....
CAN COMMUNICATION CABLE	.....

SUPPLIED BY OTHERS	
CONDENSATE DRAIN	- - - -
COPPER TUBE	_____



## ANCHOR BOLT LOCATIONS



INSPECTION CHECKLIST UNLESS OTHERWISE SPECIFIED:  ALL ITEMS MARKED BY ONE OF THE ABOVE SYMBOLS ARE TO BE INSPECTED  EQUIPMENT TO BE USED DURING RECEIVING INSPECTION SHALL BE PER QUALITY SYSTEM PROCEDURES	Revised: GTM	Date: 3/25/2022	Drawn: SMB	Date: 12/16/2019
	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: XX ±.10 XXX ±.005		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: XXX ±.005 ANGLES ±.1	Scale: NTS
	Description:  DWG INST TX 25HP INSTRUMENT AIR MODULAR		Drawing Number: 4107 8572 21	Rev: 02
	Sheet 2 of 2		DO NOT SCALE THIS DOCUMENT	