

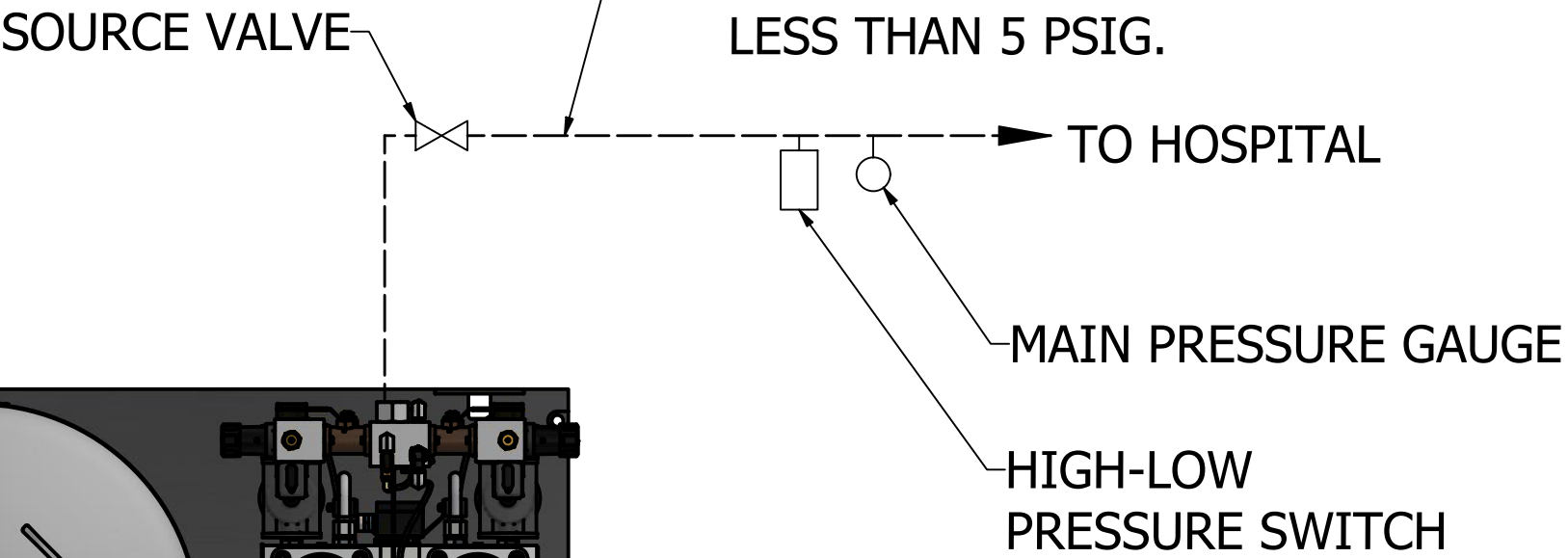
GENERAL NOTES:

1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.
2. ALL PIPING SHALL BE HARD-DRAWN SEAMLESS TYPE "K" OR "L" COPPER TUBING CONFORMING TO ASTM DESIGNATION B-819.
3. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99. PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES.
4. CONTRACTOR SHALL VERIFY MOTOR VOLTAGE, PHASE, AND AMP RATINGS BEFORE STARTING ELECTRICAL INSTALLATION; AND MAKE CERTAIN THE VOLTAGE SUPPLIED BY THE HOSPITAL IS THE SAME.
5. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°. (FOR HIGHER AMBIENTS, CONSULT FACTORY).
6. ELECTRICAL POWER SHOULD BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).
7. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL AIR SYSTEM SHALL COMPLY WITH NFPA 99, AND ALL STATE AND LOCAL CODES OR ORDINANCES.
8. WHEN DETERMINING THE TOTAL PIPE LENGTH, ADD ALL THE STRAIGHT LENGTHS OF PIPE TOGETHER IN ADDITION TO THE NUMBER OF ELBOWS TIMES THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL)
9. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARANCE.

INTAKE PIPE SIZE TABLE (SEE NOTE 8)			
UNIT SIZE	PIPE LENGTH		
	0 - 125'	126' - 300'	301' - 400'
5 TX-EXP-QX	2.50"	3.00"	3.50"
	PIPE LENGTH		
	0 - 150'	151' - 350'	351' - 400'
7.5 TX-EXP-QX	3.00"	3.50"	4.00"

EFFECTIVE PIPE LENGTH FOR ELBOWS				
PIPE SIZE (IN)	2.50" NPT	3.00" NPT	3.50" NPT	4.00" NPT
EFF. PIPE LENGTH (FT)	6.4	7.9	9.4	10

- FOR DISCHARGE PIPE SIZING REFER TO STANDARD PRESSURE DROP TABLES.
- TOTAL PRESSURE DROP SHOULD BE LESS THAN 5 PSIG.

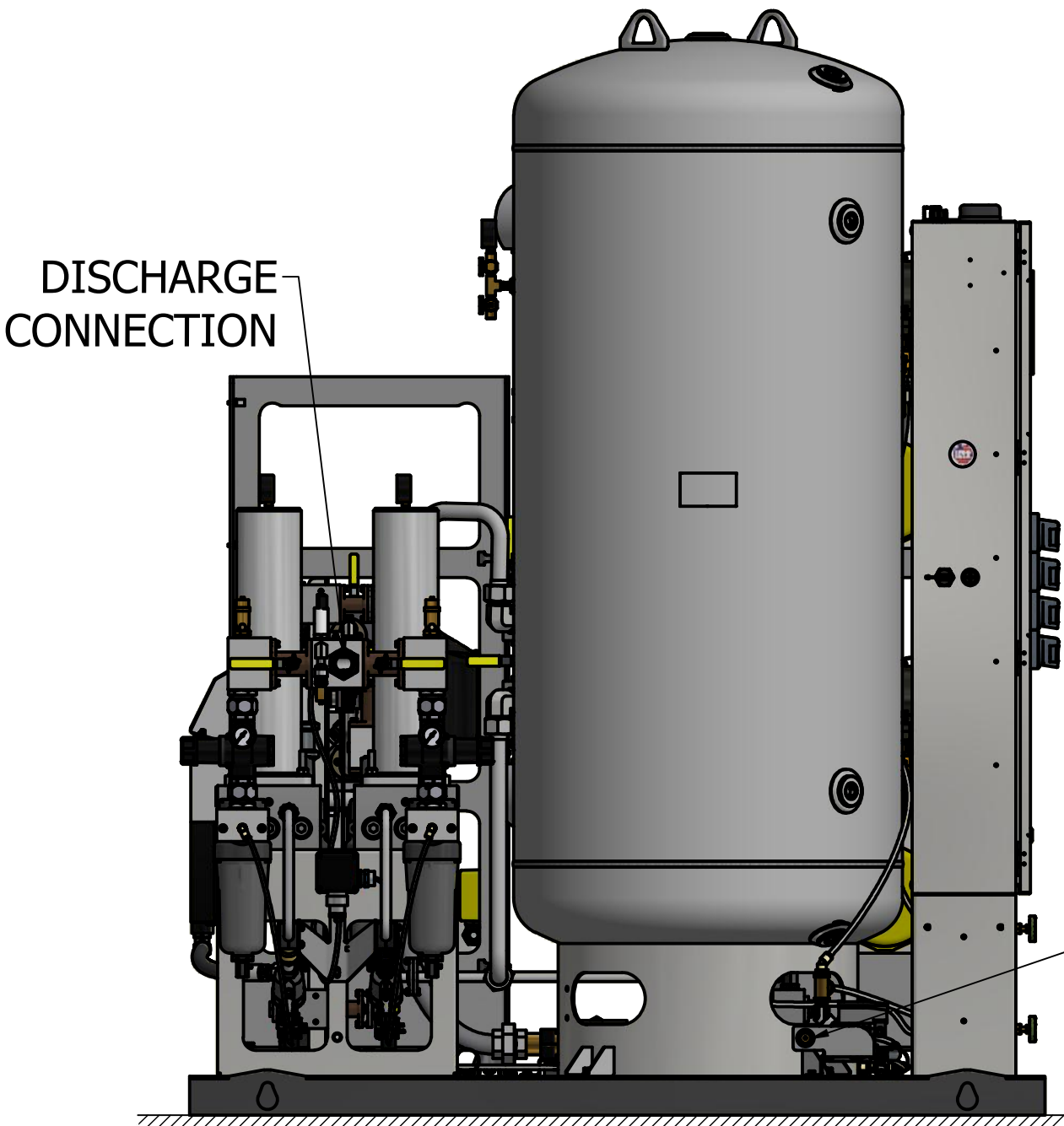


ETHERNET WIRING ACCESS  
ALARM WIRING ACCESS  
SINGLE POINT POWER WIRING ACCESS

ISOLATION VALVE FOR FUTURE EXPANSION PUMP  
FUTURE EXPANSION PUMP

INLET CONNECTION

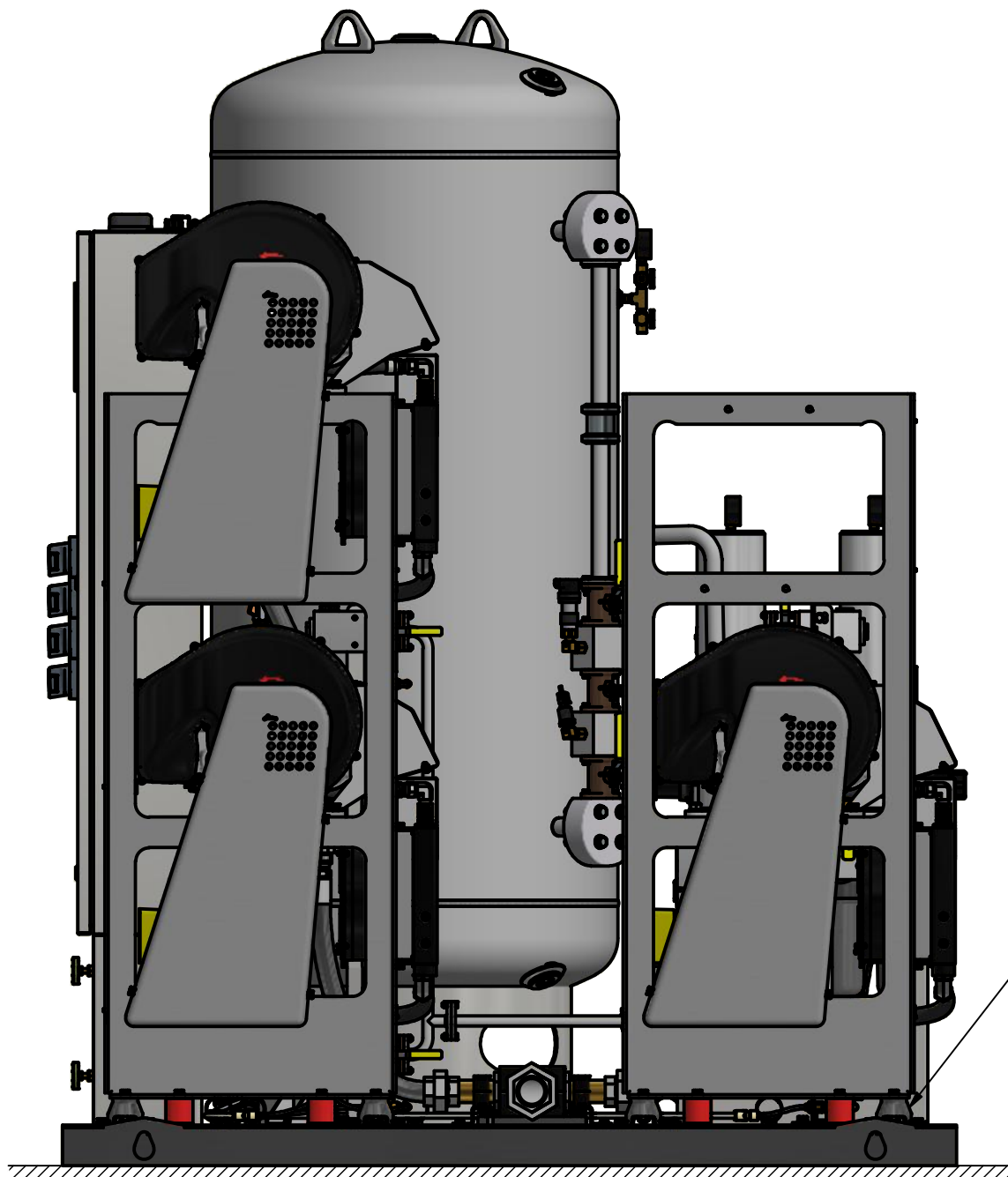
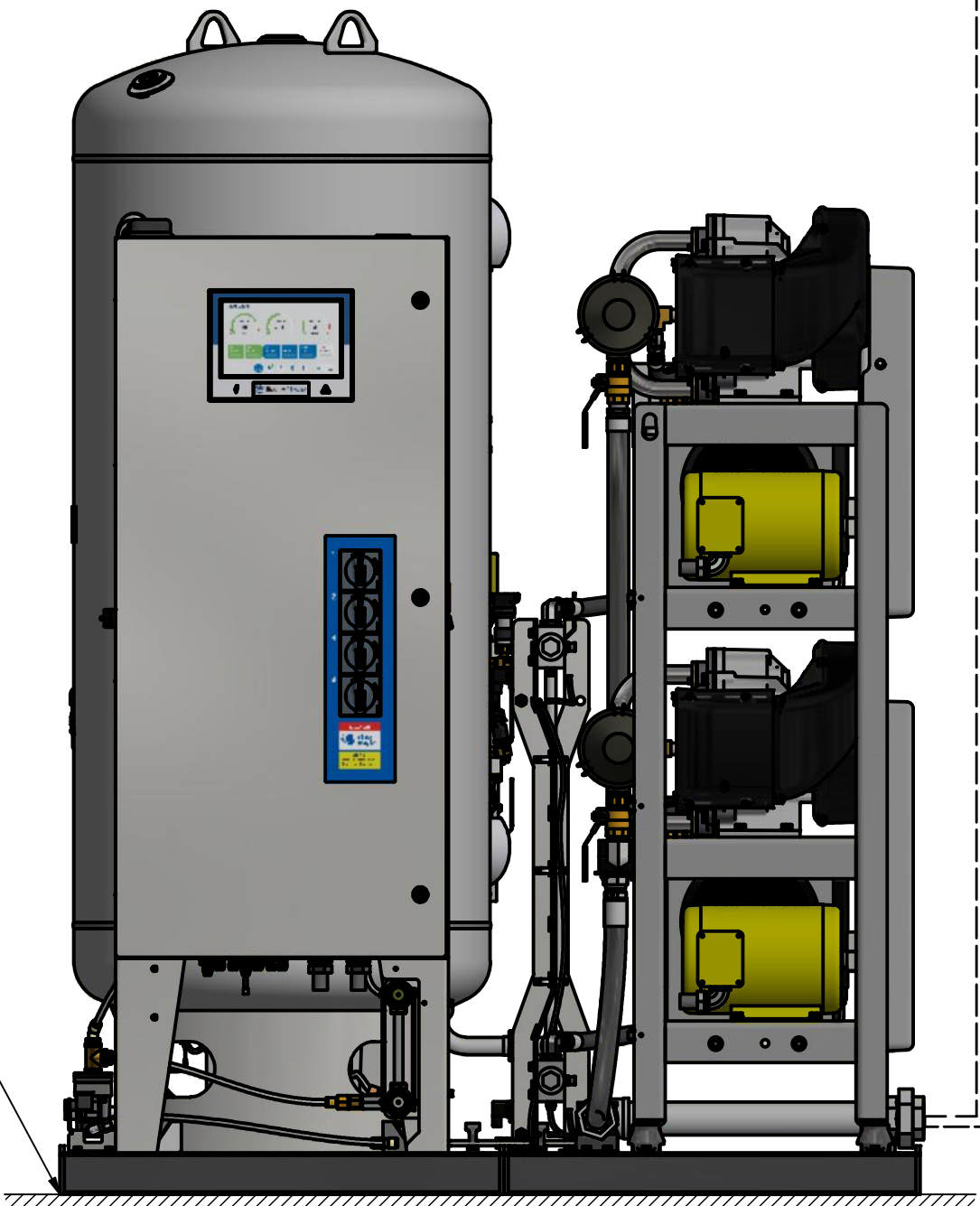
PIPE INTAKE OUTSIDE TURN DOWN AND SCREEN PER NFPA 99. (REFER TO TABLE ABOVE FOR CORRECT PIPE SIZING).



NO VIBRATION PADS ARE NECESSARY AT THIS LOCATION

SINGLE POINT DRAIN CONNECTION, CONTRACTOR SHALL PIPE TO FLOOR DRAIN

NO FOUNDATION OR INERTIA PAD IS REQUIRED (HOUSEKEEPING PAD IS OPTIONAL)



NOTE:  
ALL ACCESSORIES, PIPE, AND FITTINGS BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.

HEAVY-DUTY 4-POINT ISOLATION (SEISMIC OPTIONAL)

(7.5HP WITH 200 GALLON RECEIVER SHOWN)

Revised: APS	Date: 3/13/2023	Drawn: JDY	Date: 3/26/2010
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Description: INSTALLATION DIAGRAM 5HP & 7.5HP TX-EXP-QX SCROLL SPC		Part Number: 4107 8519 26	
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