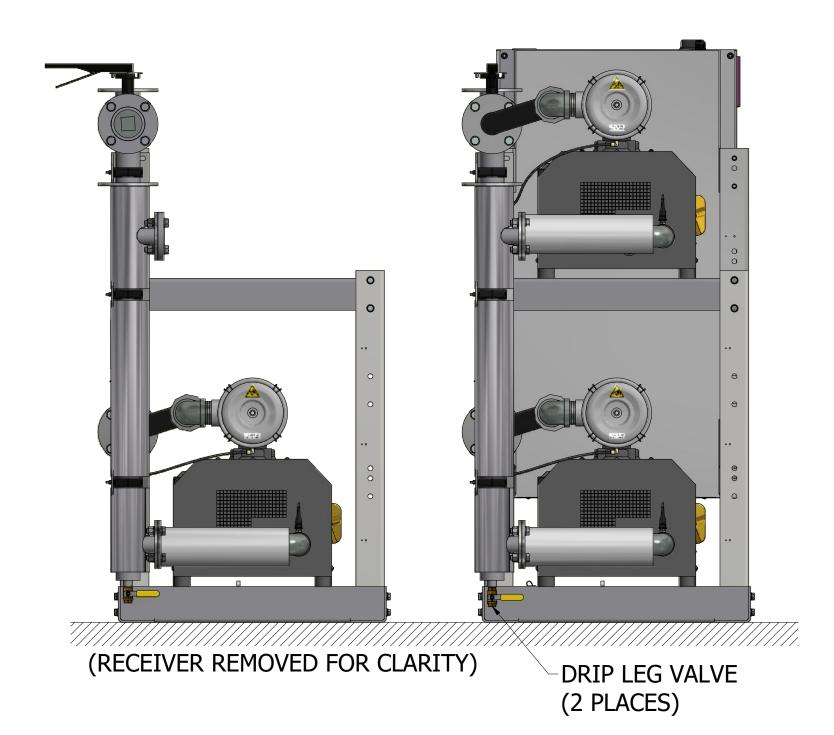
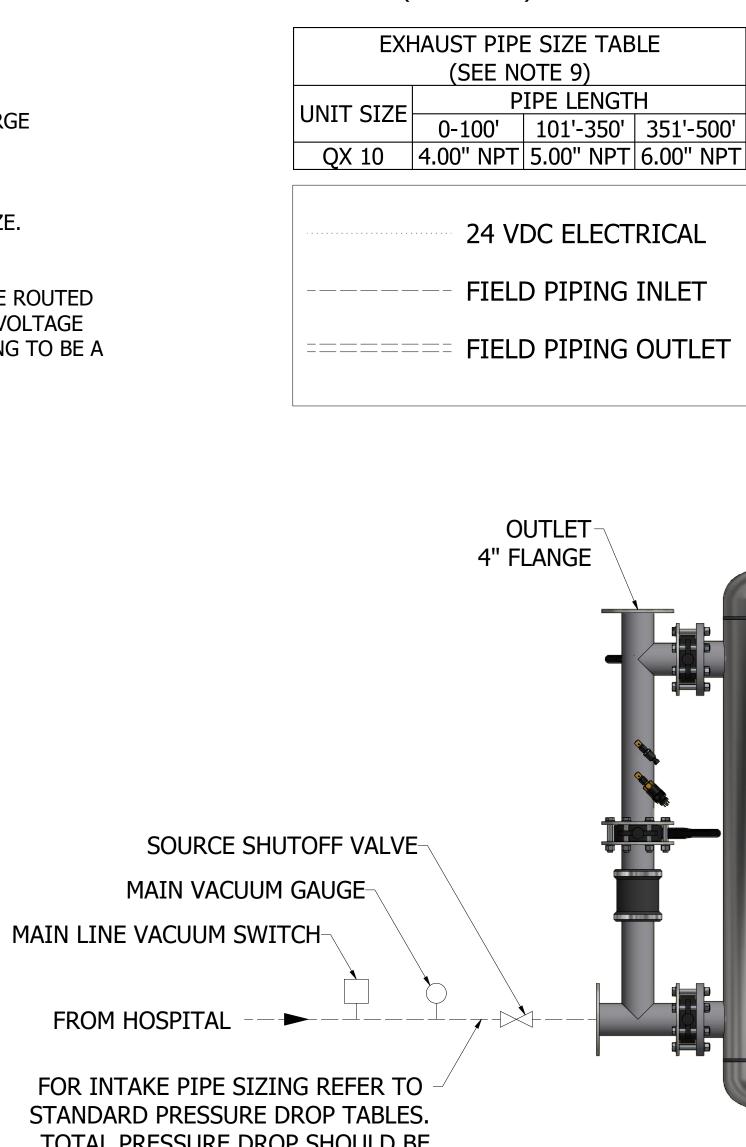
NOTES:

1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.

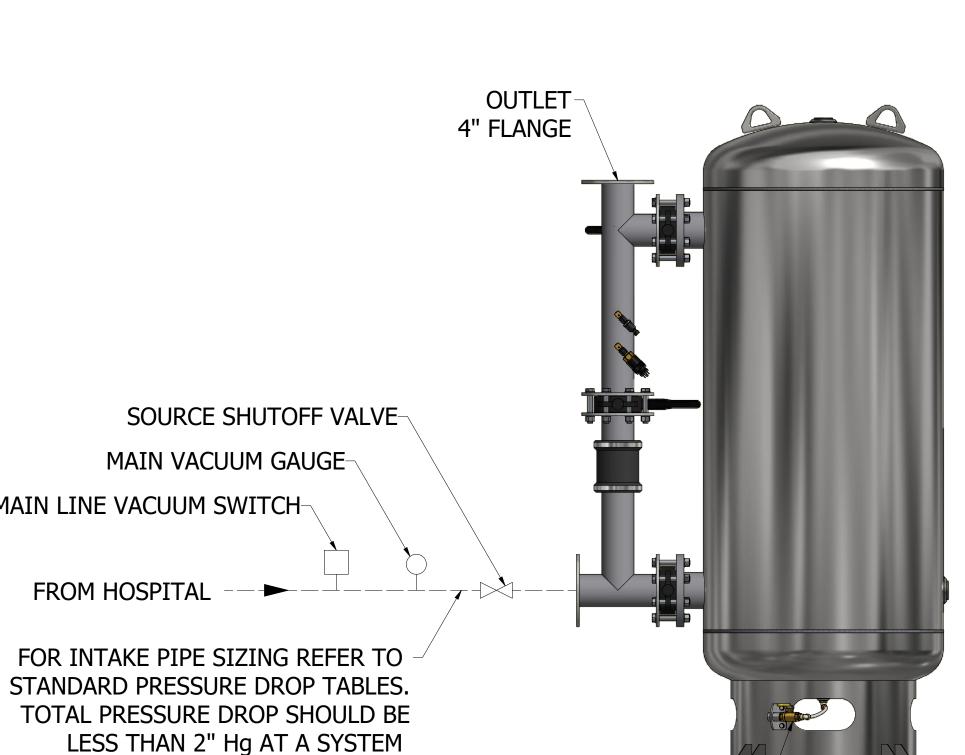
2. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99. PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES.

- 3. 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.
- 4. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°F. (FOR HIGHER AMBIENTS, CONSULT FACTORY)
- 5. ELECTRICAL POWER SHALL BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).
- 6. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL VACUUM SYSTEM SHALL COMPLY WITH NFPA 99 AND ALL STATE AND LOCAL CODES OR ORDINANCES.
- 7. WIRE LAG PUMP RUNNING ALARM REMOTE CONTACTS IN THIS CONTROL SYSTEM TO MASTER ALARM SYSTEM AS REQUIRED BY NFPA 99.
- 8. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.
- 9. WHEN DETERMINING THE TOTAL PIPE LENGTH, ADD ALL THE STRAIGHT LENGTHS OF PIPE TOGETHER IN ADDITION TO THE NUMBER OF ELBOWS TIME THE THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL)
- 10. PUMP MODULE CONTROL WIRING IS LOW VOLTAGE WIRING (24Vdc). LOW VOLTAGE WIRING MUST BE ROUTED SEPARATELY FROM HIGH VOLTAGE WIRING (200-480Vac). SEPARATION OF LOW VOLTAGE AND HIGH VOLTAGE WIRING MUST ALSO BE MAINTAINED INSIDE THE CONTROL PANEL. 24Vdc LOW VOLTAGE FIELD WIRING TO BE A MINIMUM OF 22 GUAGE, 75 DEG C COPPER WIRE.
- 11. ALL MOTOR WIRING MUST BE RUN IN SEPARATE CONDUIT FROM LOW VOLTAGE WIRING AND ENTER THE CONTROL PANEL ON THE BOTTOM RIGHT SIDE, USING THE KNOCK OUTS PROVIDED.
- 12. ALWAYS CONSIDER SURROUNDING OCCUPANCIES FOR ALL ROTATING EQUIPMENT. ADDITIONAL ISOLATION/VIBRATION TRANSLATION REQUIREMENTS DUE TO SYSTEM LOCATION SHOULD BE DETERMINED AND PROVIDED BY OTHERS.





VACUUM LEVEL OF 15" Hg.



HOSPITAL

CONNECTION

(4" FLANGE)

EXHAUST PIPE SIZE TABLE

(SEE NOTE 9)

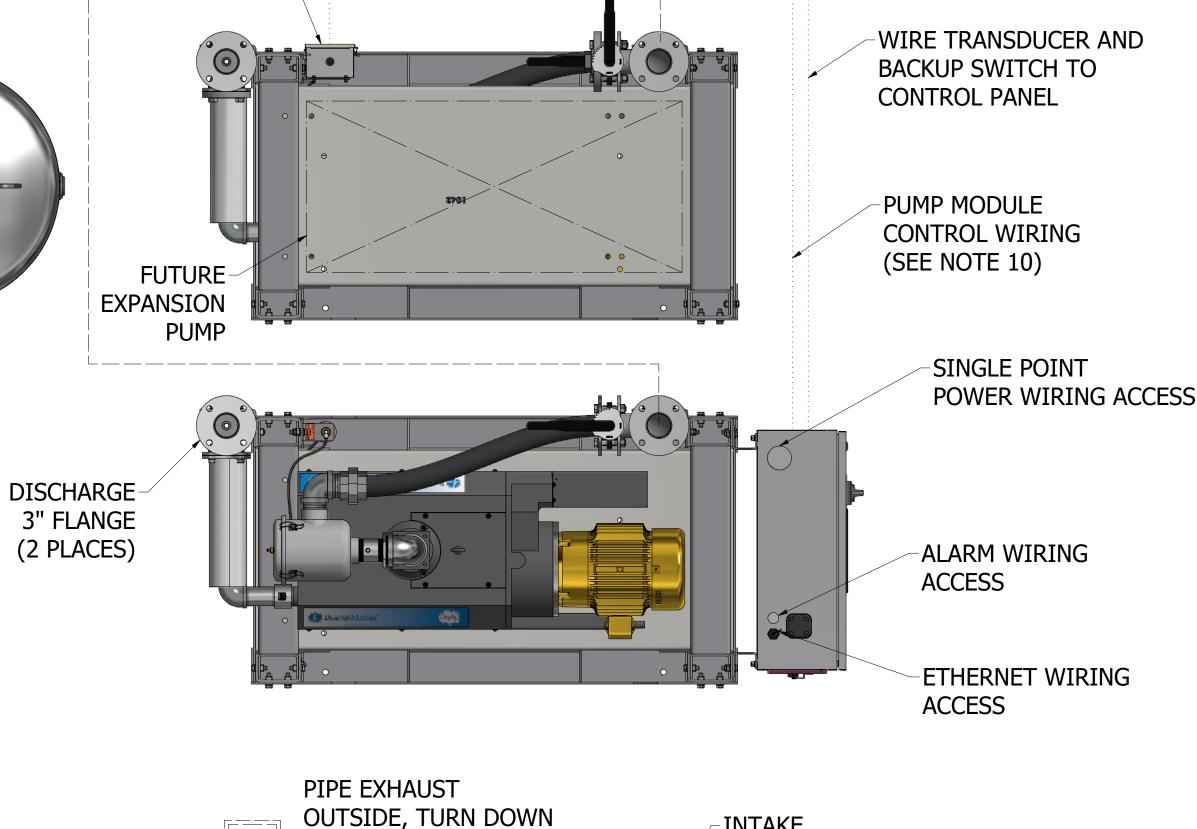
PIPE LENGTH

0-100' 101'-350' 351'-500'

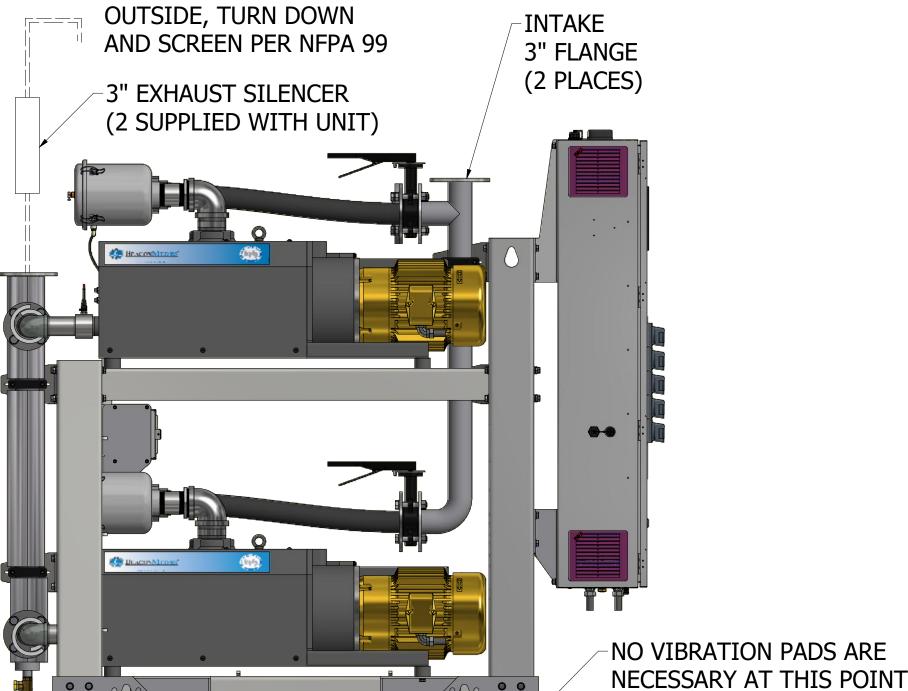
24 VDC ELECTRICAL

FIELD PIPING INLET

FIELD PIPING OUTLET



JUNCTION BOX-



TANK DRAIN CONNECTION-

EFFECTIVE PIPE LENGTH FOR ELBOWS PIPE SIZE (IN) 4.00" NPT 5.00" NPT 6.00" NPT EFF. PIPE 13.2 11.9 LENGTH (FT)

(200 GALLON RECEIVER SHOWN)

nte: Drawn: MDB This drawing and the information contained thereon remain the property of BeaconMedaes and may not be used for other than the purpose for which it is loaned without the expressed written permissior from BeaconMedaes Engineering. 4107 8539 59 **INSTALLATION DIAGRAM 10HP** TX-X-QX CLAW VSD VAC MOD HOP230420 STANDARD AND O2 ASSURED Sheet 1 of 1 DO NOT SCALE THIS DOCUMENT

ISOLATION VALVE

EXPANSION PUMP

FOR FUTURE

Form F-007 Rev. 01 8