

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 TIMES THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL)

FOR INTAKE PIPE SIZING REFER TO STANDARD PRESSURE DROP TABLES. TOTAL PRESSURE DROP SHOULD BE LESS THAN 2" Hg AT A SYSTEM VACUUM LEVEL OF 15" Hg.

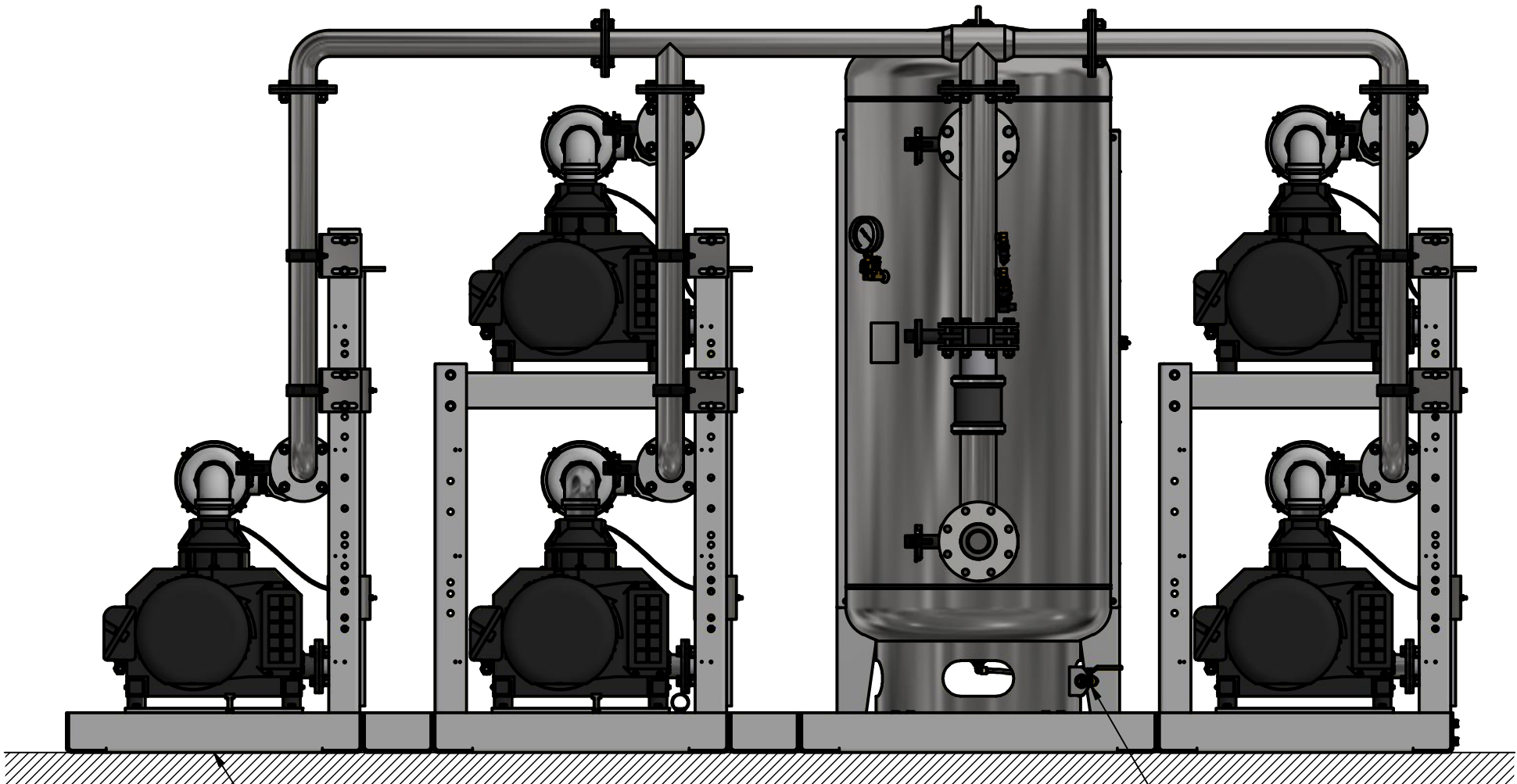
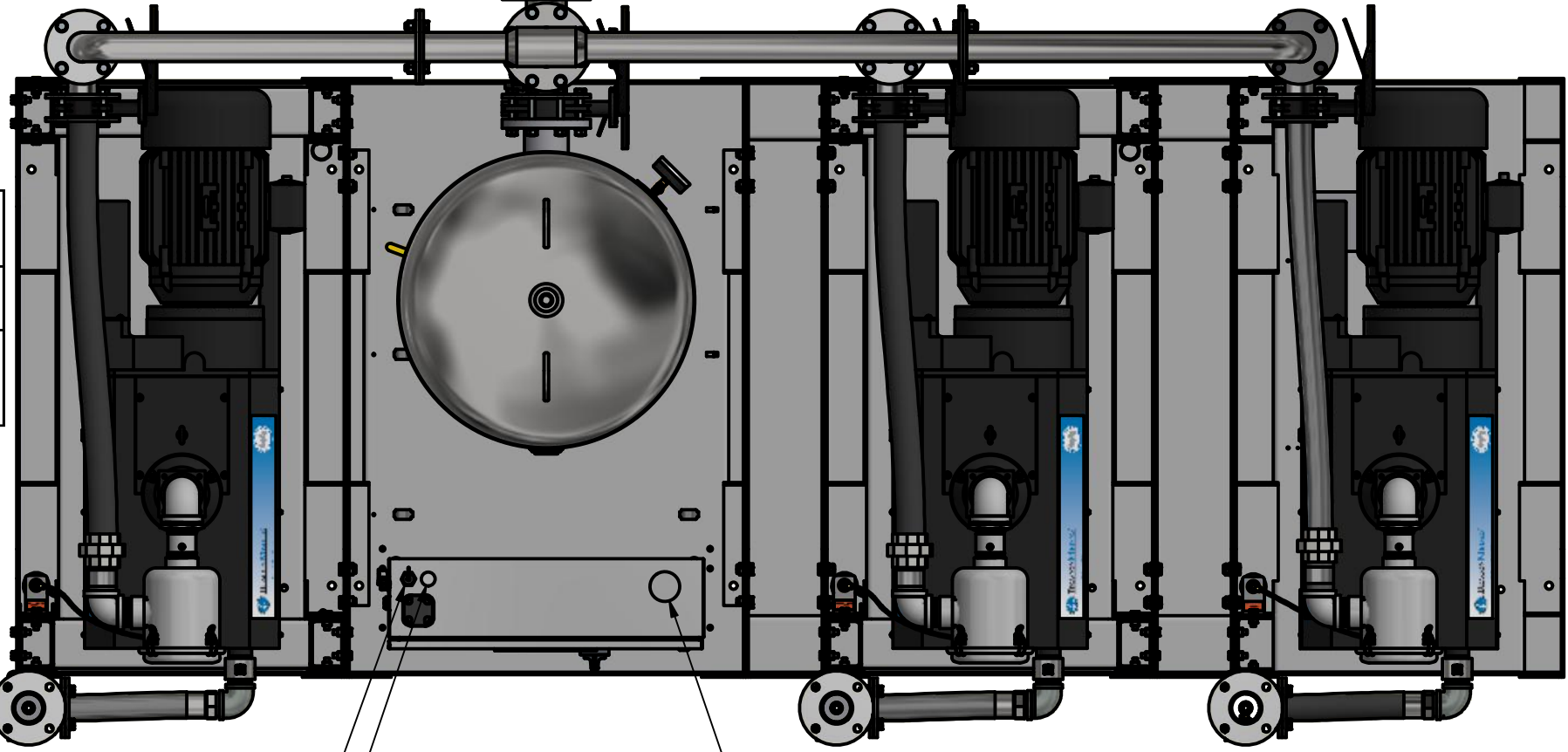
EXHAUST PIPE SIZE TABLE (SEE NOTE 9)			
UNIT SIZE	PIPE LENGTH		
	0-100'	101'-250'	251'-500'
PX 15	5.00" NPT	6.00" NPT	8.00" NPT

EFFECTIVE PIPE LENGTH FOR ELBOWS			
PIPE SIZE (IN)	5.00" NPT	6.00" NPT	8.00" NPT
EFF. PIPE LENGTH (FT)	11.9	13.2	14.5

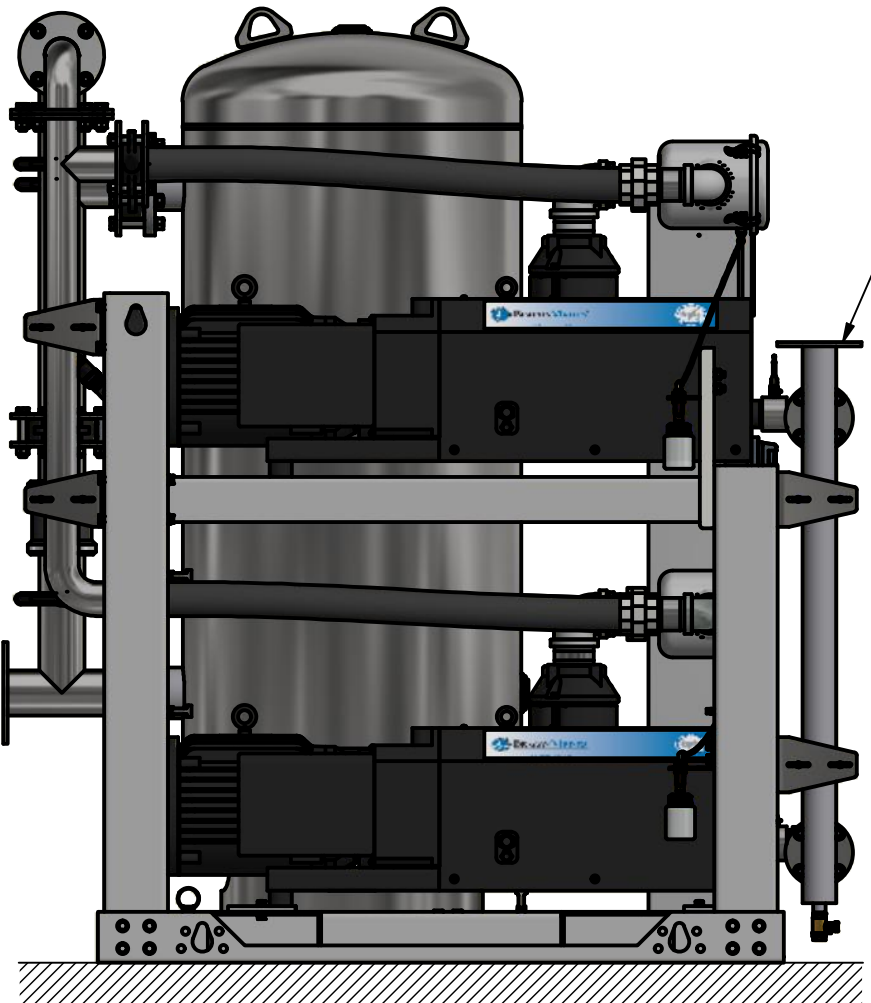
----- FIELD PIPING INLET
----- FIELD PIPING OUTLET

FROM HOSPITAL
MAIN LINE VACUUM SWITCH
MAIN VACUUM GAUGE
SOURCE SHUTOFF VALVE
HOSPITAL CONNECTION (4" FLANGE)

ETHERNET WIRING ACCESS
ALARM WIRING ACCESS
SINGLE POINT POWER WIRING ACCESS

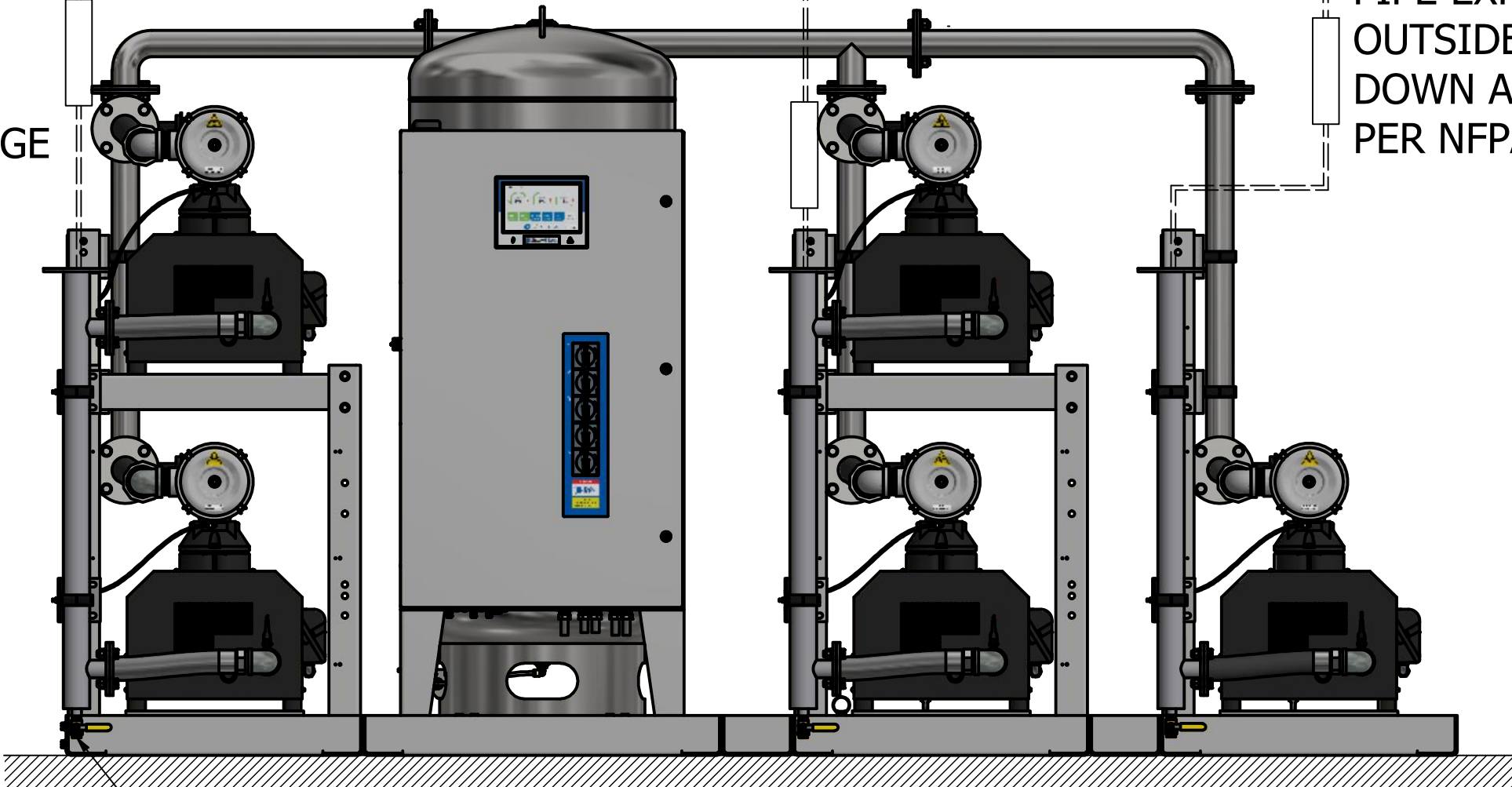


NO VIBRATION PADS ARE NECESSARY AT THIS POINT
TANK DRAIN CONNECTION CONTRACTOR SHALL PIPE TO FLOOR DRAIN



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

3" EXHAUST SILENCER (3 SUPPLIED WITH UNIT)
3" DISCHARGE FLANGE (3 PLACES)



DRIP LEG VALVE (3 PLACES)

PIPE EXHAUST OUTSIDE, TURN DOWN AND SCREEN PER NFPA 99

(200 GALLON RECEIVER SHOWN)

Revised: a00545201	Date: 4/24/2023	Drawn: JWO	Date: 2/6/2014
BEACONMED/ES		Scale: 1:17	
Description: INSTALLATION DIAGRAM 15HP PX CLAW VAC SPC STANDARD		Part Number: 4107 8549 82	Rev: 03
Sheet 1 of 1		DO NOT SCALE THIS DOCUMENT	