

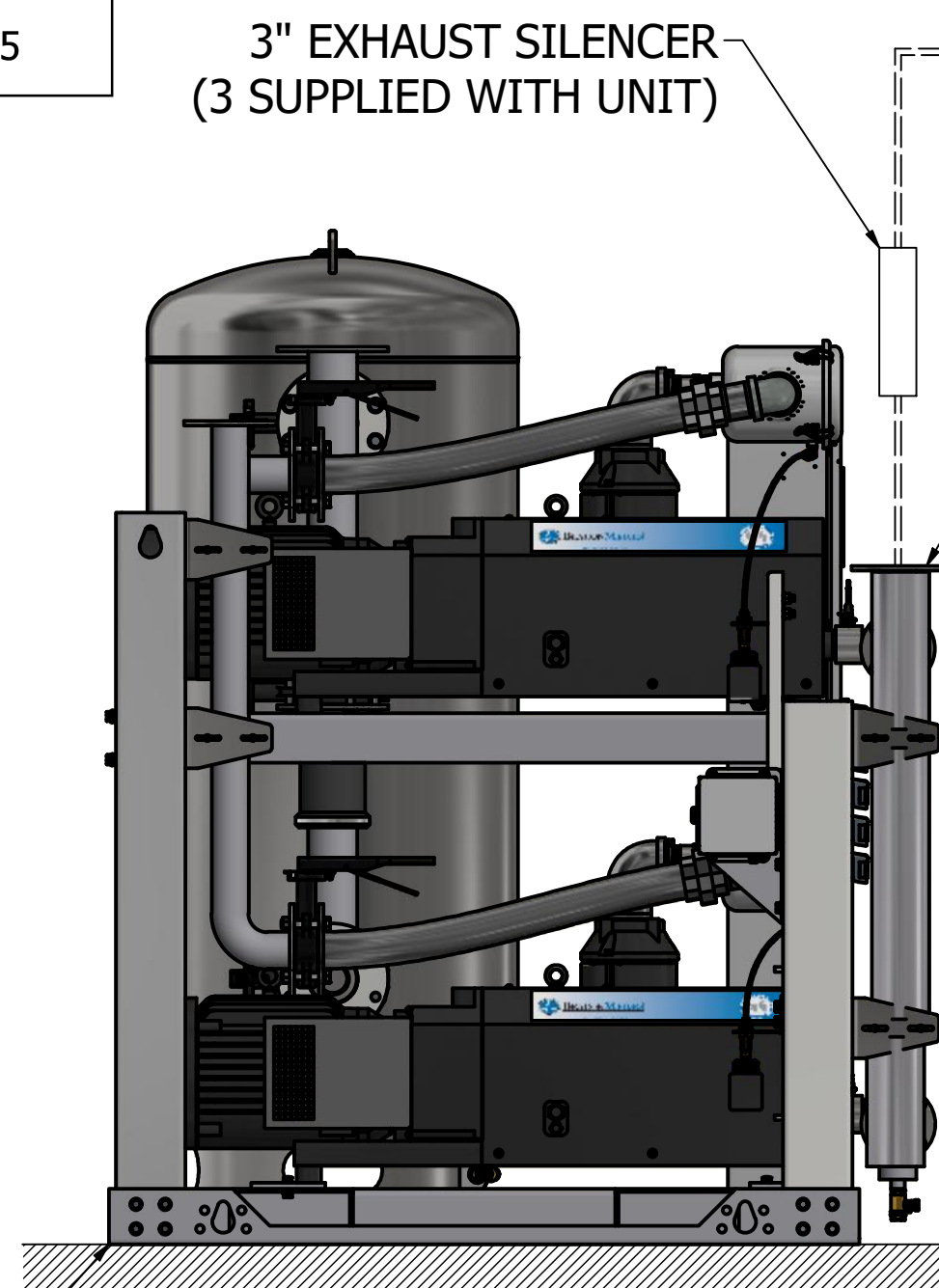
NOTES:

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)
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 GAUGE, 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.

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

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

..... 24 VDC ELECTRICAL
 ----- FIELD PIPING INLET
 ===== FIELD PIPING OUTLET



NO VIBRATION PADS
ARE NECESSARY AT
THIS POINT

3" EXHAUST SILENCER
(3 SUPPLIED WITH UNIT)

PIPE EXHAUST
OUTSIDE,TURN DOWN
AND SCREEN PER NFPA 99

DISCHARGE
3" FLANGE
(3 PLACES)

JUNCTION BOX
(3 PLACES)

INTAKE
3" FLANGE
(3 PLACES)

DRIP LEG VALVE
(3 PLACES)

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

SOURCE SHUTOFF VALVE-

MAIN VACUUM GAUGE-

MAIN LINE VACUUM SWITCH-

PUMP MODULE-
CONTROL WIRING
(SEE NOTE 10)

FROM HOSPITAL

HOSPITAL
CONNECTION
(4" FLANGE)

WIRE TRANSDUCER AND BACKUP SWITCH TO CONTROL PANEL

ETHERNET WIRING ACCESS



ALARM WIRING ACCESS

SINGLE POINT POWER
WIRING ACCESS

OUTLET
4" FLANGE

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

TANK DRAIN LOCATION-
CONTRACTOR SHALL PIPE
TO FLOOR DRAIN

Revised:	a00545201	Date:	4/20/2023	Drawn:	JWO	Date:	2/4/2014
 BEACONMEDIX		This drawing and the information contained therein remain the property of BeaconMedix and may not be used for other than the purpose for which it is loaned without the expressed written permission from BeaconMedix Engineering.				Scale: 1:15	
Description:		Part Number:		4107 8549 77			
INSTALLATION DIAGRAM 15HP PX CLAW VAC MOD STANDARD		DN: HOP230841 Sheet 1 of 1		Rev: 04 DO NOT SCALE THIS DOCUMENT			