

NOTES:

1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.
2. 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 FACILITY 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. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.
6. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARANCE.
7. WHEN DETERMINING THE TOTAL PIPE LENGTH, AND 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)

ETHERNET WIRING ACCESS

ALARM WIRING ACCESS

SINGLE POINT POWER WIRING ACCESS

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.

LABORATORY CONNECTION (2" FLANGE)

2" EXHAUST SILENCER (1 SUPPLIED WITH UNIT)

PIPE EXHAUST OUTSIDE, TURN DOWN AND SCREEN PER NFPA 99

SOURCE SHUTOFF VALVE

MAIN VACUUM GAUGE

MAIN LINE VACUUM SWITCH

FROM LABORATORY

DISCHARGE (2" FLANGE)

TANK DRAIN VALVE

NO VIBRATION PADS ARE NECESSARY AT THIS LOCATION

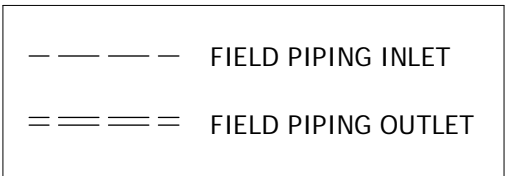
NO FOUNDATION OR INERTIA PAD IS REQUIRED (HOUSEKEEPING PAD IS OPTIONAL)

DRIP LEG VALVE

(5.4HP VSD CLAW WITH 60 GALLON RECEIVER SHOWN)

EXHAUST PIPE SIZE TABLE (SEE NOTE 7)			
UNIT SIZE	PIPE LENGTH		
	0-75'	76'-250'	251'-500'
DX 5.4 HP	2.00"	2.50"	3.00"

EFFECTIVE PIPE LENGTHS FOR ELBOWS			
PIPE SIZE (IN)	2.00" NPT	2.50" NPT	3.00" NPT
EFF. PIPE LENGTH (FT)	4.9	6.4	7.9



Revised: MDB	Date: 07/10/2019	Drawn: MDB	Date: 11/07/2017
		Scale: D	
Description: INSTALLATION DIAGRAM LAB CLAW VAC STM 5.4HP VSD DX STANDARD & O2 ASSURED		Part Number: 4107 8563 09	
DN: BM190348		Rev: 01	
Sheet 1 of 1		DO NOT SCALE THIS DOCUMENT	