MAIN VACUUM GAGE -MAIN LINE VACUUM SWITCH NOTES: SOURCE SHUTOFF VALVE ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR. 1-1/4" FNPT DISCHARGE-PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. - FROM LABORATORY CONNECTION 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 FLEX HOSE, BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS. -RECEIVER MANUAL DRAIN 6. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER 1/2" NPT, CONTRACTOR SIDES REQUIRE 24 INCHES OF CLEARANCE. SHOULD PIPE TO NEAREST FLOOR DRAIN 7. 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) Ø0.75 MTG HOLE (4 PLACES)  $^{ackslash}$ PIPE EXHAUST OUTSIDE, TURN DOWN AND ---- FIELD PIPING INLET SCREEN PER NFPA 99 -DISCHARGE FLEX ====== FIELD PIPING OUTLET HOSE (1 REQUIRED, ALARM WIRING-SUPPLIED W/UNIT) ACCESS EXHAUST PIPE SIZE TABLE (SEE NOTE 7) **UNIT SIZE** PIPE LENGTH 0 - 150' 151' - 400' SPX 3 HP 1.25" NPT 1.5" NPT 0 **UNIT SIZE** PIPE LENGTH 0 - 75' 76 - 175' 176 - 400' -DRIP LEG VALVE SPX 5 HP 1.25" NPT 1.5" NPT 2.0" NPT SUPPLIED AND **INSTALLED BY OTHERS** EFFECTIVE PIPE LENGTH TABLE FOR ELBOWS VERÙSLab 1.5" NPT | 2.0" NPT | 3.0" NPT PIPE SIZE (IN) EFFECTIVE PIPE LENGTH (FT) 4.0 4.9 7.9 000 -INLET CONNECTION 1-1/2" NPT NO FOUNDATION OR INERTIA PAD IS REQUIRED -NO VIBRATION PADS ARE (HOUSEKEEPING PAD IS OPTIONAL) NECESSARY AT THIS LOCATION 4107 8567 74 INSTALLATION DIAGRAM LAB SX HOP211049 3-5HP LAB LUBE VTM V 80G BASIC (5HP SX, 80G RECEIVER SHOWN) Sheet 1 of 1