NOTE; EACH WALL OUTLET SHALL BE PROVIDED WITH A 1-15 L/MIN FLOWMETER EQUAL TO MODEL 1260 BY OHIO MEDICAL

LIFELINE HAS A NATIONAL SALES RELATIONSHIP WITH THE FOLLOWING CONTACTS;

CLARK NIERMEYER - OHIO MEDICAL CORPORATION - 800-448-0770

4G PIPED OXYGEN / VACUUM PLAN

OXYGEN & VACUUM SYSTEM NOTES

7 DESIGNATES A OXYGEN / VACUUM SYSTEM NOTE

GENERAL NOTE - INSTALL 18 GALIGE CONTROL WIREING PER MANUFACTURE'S REQUIREMENTS/RECOMMENDATIONS BETWEEN PRESSURE/VACUUM SWITCHES, MANIFOLD, CONTROL PANEL AND MASTER ALARM PANEL AND AREA ALARM PANEL LOCATIONS.

OXYGEN MANIFOLD. UNIT SHALL BE OHIO MEDICAL CORPORATION MODEL #263432-02 WITH A THE VARIOUS LOCATIONS/DEMANDS - MINIUM 1", PIPING SHALL BE INSTALLED PER NFPA AND 2X2 HEADER BAR, 1/2" RELIEF VALVE (SET AT 75psig) #232600 AND PIPE AWAY FOR RELIEF VALVE #232602. FULLY AUTOMATIC MANIFOLD SHALL HAVE A NEMA 4X ENCLOSURE AND BE ULLISTED. PRESSURE CONTROL CABINET SHALL CONTAIN DUAL PRESSURE

CABINET SHALL HAVE THREE PRESSURE GAUGES, ONE FOR EACH SUPPLY SIDE AND ONE FOR PIPELINE DELIVERY. IT SHALL BE AUTOMATIC SWITCH, HEADER BARS SHALL BE MODULAR IN DESIGN, ALLOWING FOR FUTURE EXPANSION. EACH INLET PORT SHALL BE EQUIPPED WITH AN INDIVIDUAL CHECK VALVE. HEADER BAR SHALL INCLUDE A MASTER SHUTOFF VALVE.

- 2 HEADER BAR ON EACH SIDE OF MANIFOLD PER NOTE 1 ABOVE, PROVIDE PIGTAILS FOR CONNECTION TO CYLINDERS (BY OWNER). COORDINATE EXACT INSTALLATION LOCATION OF HEADERS WITH OWNER, MANIFOLD AND HEADERS SHALL BE INSTALLED PER NFPA REQUIREMENTS AND IN COMPLIENCE WITH MANUFACTURE'S RECOMENDATIONS.
- 3 LOCKABLE VALVE FOR SYSTEM SHUTDOWN ADJACENT TO MANIFOLD ASSEMBLY, VALVE SHALL BE 261600-05 BY OHIO MEDICAL CORPORATION WITH LABEL KIT 261645. INSTALL PER MANUFACTURE'S RECOMMENDATIONS TO COMPLY WITH NFPA REQUIREMENTS.
- 4 PROVIDE GAS SPECIFIC DEMAND CHECK ASSEMBLY CONSISTING OF OHIO MEDICAL CORPORATION MAINLINE PRESSURE SWITCH #261709 AND P500-GAUGE-100 FOR OXYGEN AND P-500-GAUGE-VAC FOR VACUUM UTILIZING PART #261933 AND INSTALLED PER MANUFACTURE'S RECOMMENDED INSTALLATION DIAGRAM. PROVIDE 1/2" OXYGEN SUPPLY PIPE UP WALL TO CEILING FOR DISTRIBUTION PER DRAWING.
- 5 PRESSURE RELEASE VENT PIPING FOR PRESSURE RELIEF VALVE(S) TO THE OUTSIDE PER MANUFACTURE'S RECOMMENDATIONS. CONTRACTOR SHALL SELECT AN APPROPRIATE DISCHARGE POINT AND SHALL COORDINATE EXACT LOCATION WITH THE LANDLORD. TERMINATE PIPING PER MANUFACTURE'S RECOMMENDATIONS.
- 6 IT IS THE INTENT OF THIS PROJECT TO INSTALL ALL PIPING, VALVES AND INTERCONNECTING WIRING FOR THE INSTALLATION OF FUTURE MEDICAL VACUUM EQUIPMENT THAT WILL BE SIMILAR TO 12 REMOTE SENSORS, ONE FOR OXYGEN AND ONE FOR VACUUM, LOCATED ON THE DOWN STREAM OHIO MEDICAL HEALTHCAIR® SYSTEM MODEL NO S300B-T2V PACKAGED SYSTEM PART NO 5300-460-T2-V80 - 3 HP ELECTRIC MOTOR DRIVEN PUMPS, A 80 GALLON RECEIVER AND A U.L. LISTED DUPLEX ELECTRICAL CONTROL SYSTEM MOUNTED IN A NEMA 12 ENCLOSURE. ALL SYSTEM COMPONENTS SHALL BE INSTALLED WITH THE EXCEPTION OF THE ACTUAL MEDICAL VACUUM SUCH THAT, AT A FUTURE TIME WHEN THE OWNER ELECTS TO COMPLETE THIS INSTALLATION, THE ONLY WORK REQUIRED AT THAT TIME WILL BE THE PURCHASE INSTALLATION OF THE VACUUM ITS SELF WITH THE ONLY WORK REQUIRED BEING IN THE MEDICAL VACUUM ROOM. THIS PROJECT SCOPE REQUIRES ALL OTHER WORK.
- A. FOR MOTOR PROTECTION, THE EQUIPMENT SHOULD NOT BE OPERATED IN AN AMBIENT
- TEMPERATURE ABOVE 104°F. B. EQUIPMENT CONFORMS TO THE NATIONAL ELECTRICAL CODE.
- C. THE SYSTEM SHALL MEET NFPA 99 2005 REQUIREMENTS AND IFC 3006.
- D. SYSTEM MUST BE CERTIFIED BY AN APPROVED MEDICAL GAS CERTIFICATION COMPANY AFTER INSTALLATION

- 7 OXYGEN DISTRIBUTION FIPING IN CEILING, (3/4" MIN) PIPING SHALL BE INSTALLED PER NFPA AND MANUFACTURE'S REQUIREMENTS AND PER THE MATERIAL SPECIFICATIONS. (SEE SPEC BOOK)
- 8 VACUUM DISTRIBUTION PIPING IN CEILING SIZED PER MANUFACTURE'S RECOMENDATIONS FOR MANUFACTURE'S REQUIREMENTS.
- 9 OXYGEN AND VACUUM PIPING (SEE NOTES #7 & #8) DOWN IN WALL TO ZONE VALVE BOX. REGULATORS AND SWITCHES THAT INSURE AN UNINTERRUPTED FLOW OF GAS TO THE PIPELINE, THE VALVE BOX SHALL BE OHIO MEDICAL CORPORATION BRAND MODEL #261902-XXXX WITH GAUGE PORT. IT SHALL BE CONSTRUCTED OF STEEL AND THE FRAME ALUMINUM, WITH A TINTED, PLEXI-GLASS PULL OUT WINDOW. THE VALVE SHALL BE OXYGEN CLEANED, FULL PORT, THREE-PIECE BALL TYPE. COORDINATE MOUNTING HEIGHT WITH OWNER AND LOCAL JURISDICATION REQUIREMENTS AND INSTALL PER MANUFACTURE'S RECOMMENDATIONS. OXYGEN AND VACUUM PIPING (SEE NOTES #7 & #8) UP IN WALL DISTRIBUTION PIPING IN CEILING.
 - 10 OXYGEN AND VACUUM PIPING (SEE NOTES #7 & #8) DOWN IN WALL TO MEDICAL GAS AND VACUUM OUTLET (VACUUM OUTLET TO INCLUDE SLIDE BRACKET NEXT TO VACUUM OUTLET). MEDICAL GAS OUTLETS SHALL BE OHIO MEDICAL CORPORATION BRAND, DIAMOND QUICK-CONNECT - FOR OXYGEN PART #261000-1-C15 - FOR VACUUM PART NUMBER #261010-5 WITH VRC3UTOMAT VACUUM WALL REGULATOR WITH OHMEDA WALL INLET AND NIPPLE CONNECTOR. FOR VACUUM SLIDE PART NUMBER 261690, VERIFY LOCATION OF SLIDE PLATE WITH OWNER PRIOR TO INSTALLATION. OUTLETS SHOULD INCLUDE ONE PIECE, HIGH IMPACT, FLAME-RETARDANT IVORY TRIM PLATE. ALL OUTLETS SHALL BEAR THE UL LABEL AND BE CLEANED FOR OXYGEN SERVICE, OUTLETS SHOULD INCLUDE PRIMARY AND SECONDARY CHECK VALVES. WALL OUTLETS SHALL HAVE GAS SPECIFIC BACK BODY WITH A STEEL MOUNTING PLATE. COORDINATE EXACT MOUNTING HEIGHT/LOCATION WITH OWNER PRIOR TO INSTALLATION.
 - 11 COMBINATION MASTER/AREA ALARM FOR OXYGEN AND VACUUM SYSTEMS. UNIT SHALL BE A OHIO MEDICAL CORPORATION COMBINATION 10 POINT MASTER ALARM/ 4 GAS AREA/10 POINT MASTER ALARM WITH *LONWORKS #261895-101212, ALLOWING IT TO INTERFACE WITH A FUTURE BUILDING AUTOMATION SYSTEM. IT SHALL COMPLY WITH FCC PART 15. IT SHALL HAVE HIGH VISIBILITY LED READOUTS. IT SHALL BE EQUIPPED WITH REMOTE SENSORS (REFER TO NOTE 9 BELOW). COORDINATE EXACT LOCATION OF INSTALLATION WITH CASEWORK AND OWNER PRIOR TO INSTALLATION.
 - (SOURCE) SIDE OF THE DISTRIBUTION PIPING AFTER EACH OF THE ZONE VALVE BOXES. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION PER MANUFACTURE'S RECOMMENDATIONS.
 - 13 VACUUM EXHAUST EXHAUST PIPING TO THE OUTSIDE PER MANUFACTURE'S RECOMMENDATIONS. CONTRACTOR SHALL SELECT AN APPROPRIATE DISCHARGE POINT AND SHALL COORDINATE EXACT LOCATION WITH THE LANDLORD. SELECTED LOCATION SHALL BE A MIN OF 10 FEET FROM ANY INTAKE DEVICE OR ANY WINDOWS OR DOORS. TERMINATE PIPING PER MANUFACTURE'S RECOMMENDATIONS



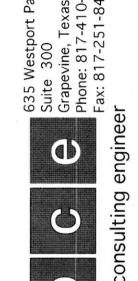
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REVISIONS

'A'-ISSUE 'B'-ISSUE DATE 'C'-ISSUE

'D'-ISSUE

'E'-ISSUE

MEDICAL GAS PLAN

SHEET NUMBER



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