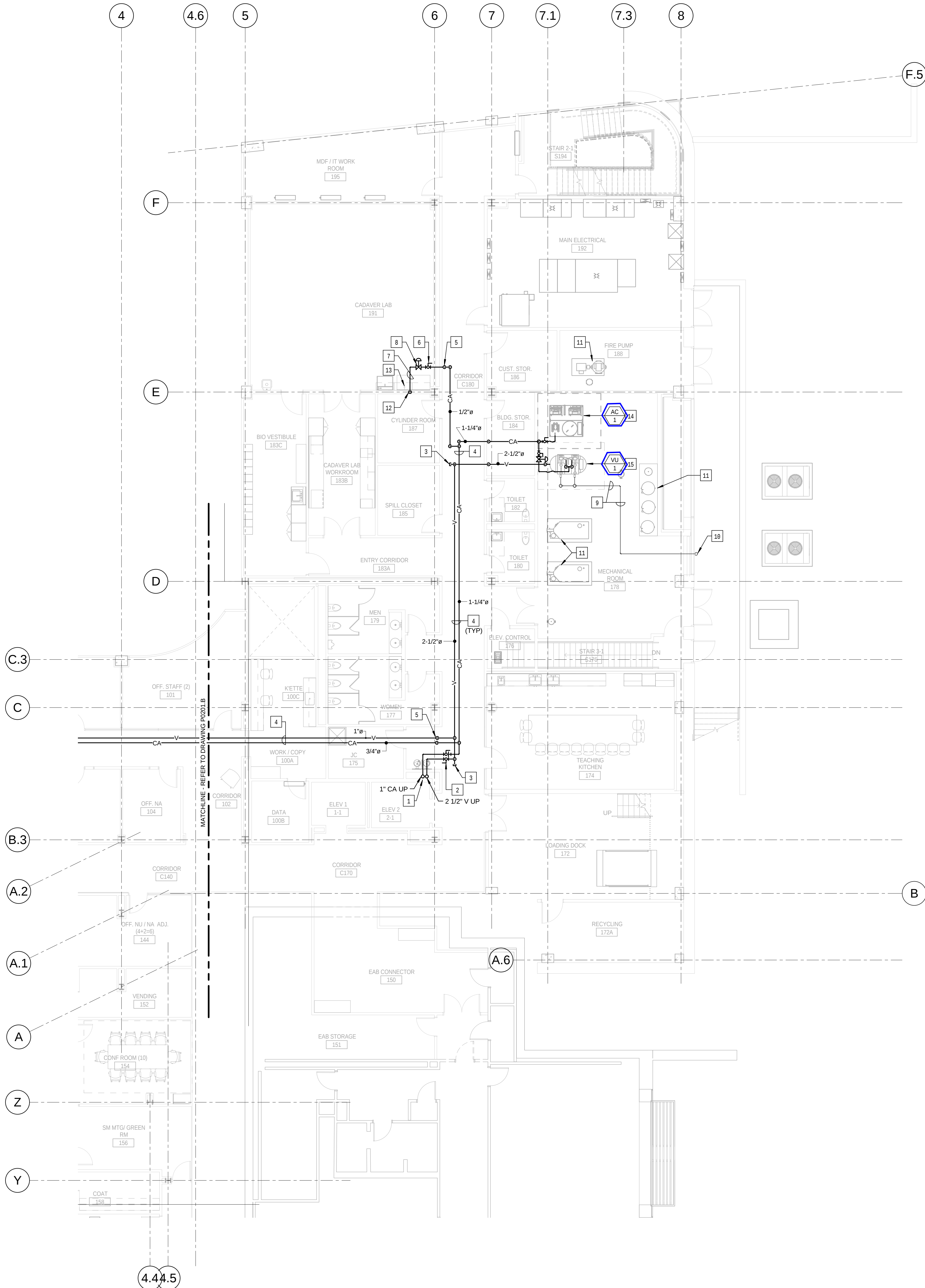
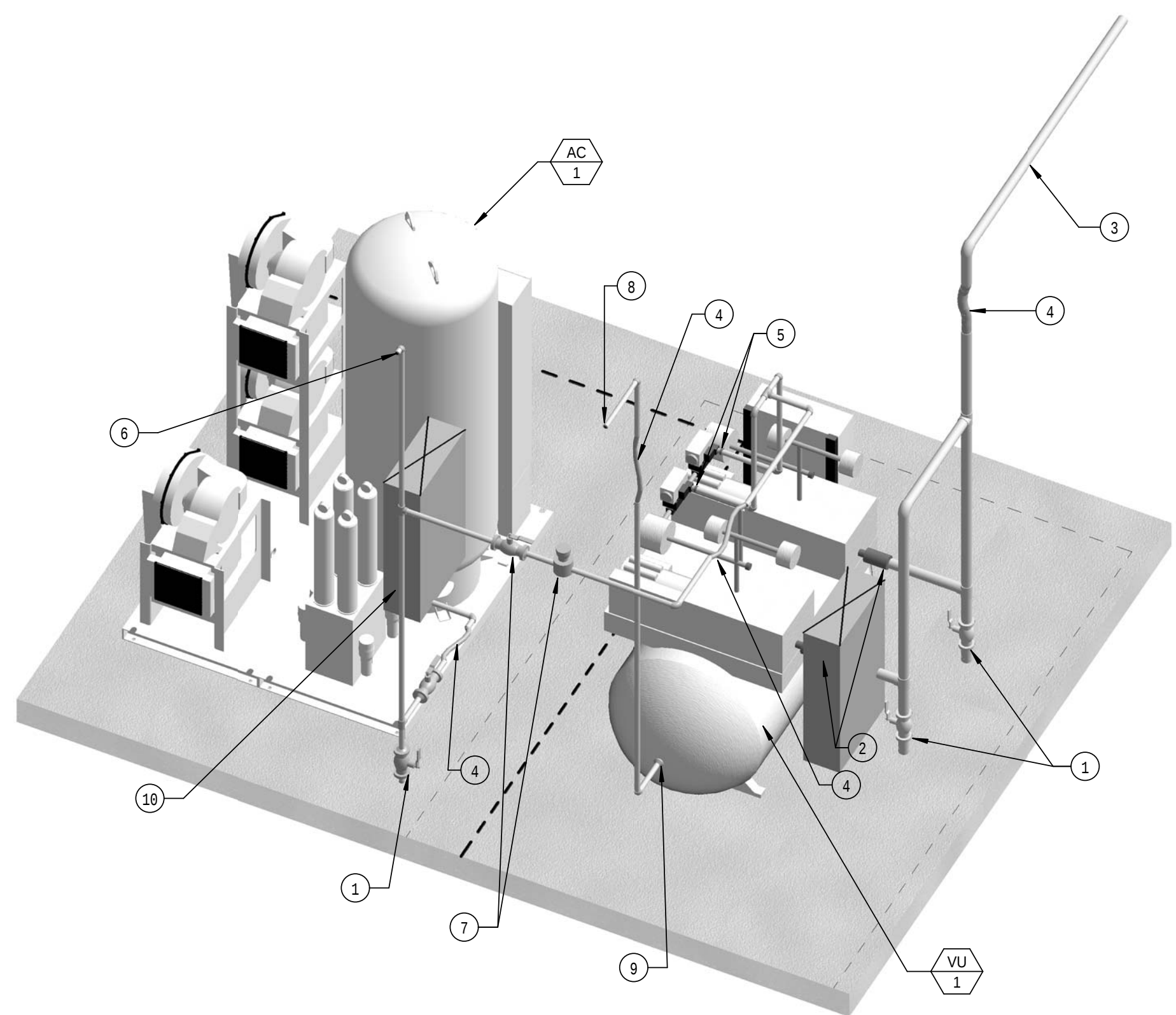




1 LEVEL 01 AREA A FLOOR PLAN - LABORATORY COMPRESSED AIR AND VACUUM PIPING
1/8" = 1'-0"

KEYED NOTES: (THIS SHEET ONLY)

- BUILDING SERVICE RISER FOR LABORATORY COMPRESSED AIR AND VACUUM. COORDINATE INSTALLATION WITH BUILDING STRUCTURE AND OTHER SERVICES WITHIN CHASE.
- PROVIDE RISER ISOLATION VALVES AT EACH FLOOR LEVEL. LOCATE VALVES IN ACCESSIBLE CEILING OR PROVIDE ACCESS PANEL AS REQUIRED.
- PROVIDE CLEANOUT PLUG IN PIPING.
- PIPING IN CORRIDOR TO BE RUN AT BOTTOM OF STRUCTURAL STEEL CROSS MEMBERS. COORDINATE INSTALLATION AND ROUTING WITH OTHER TRADES PRIOR TO ROUGH-IN.
- DROP PIPING DOWN TO BELOW STRUCTURAL STEEL MEMBER. HOLD TIGHT TO BOTTOM OF STEEL.
- PROVIDE SHUT-OFF VALVES AT THE ENTRY TO EACH ROOM.
- PIPING IN EACH ROOM TO BE RUN AS HIGH AS POSSIBLE TO AVOID CONFLICTS. COORDINATE INSTALLATION AND ROUTING WITH OTHER TRADES PRIOR TO ROUGH-IN.
- INSTALL SINGLE STAGE IN-LINE AIR PRESSURE REGULATOR, BEACONMEDAES MODEL 6-122101-00, 5 INCH INLET AND OUTLET, ADJUSTABLE FROM 5 TO 55 PSI DELIVERY RANGE. PROVIDE WITH MODEL 6-1300115-00, 0 TO 100 PSI PRESSURE GAUGE. MOUNT ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. POSITION FOR FULL ACCESS TO THE ADJUSTMENT NUT AND GAUGE.
- CENTRAL VACUUM UNIT EXHAUST TO BE 2-INCH TYPE 'L' COPPER, RUN PIPING AS HIGH AS POSSIBLE. VERIFY EXACT SIZE WITH EQUIPMENT MANUFACTURER.
- CENTRAL VACUUM EXHAUST TO TERMINATE THROUGH EXTERIOR WALL. COORDINATE WALL PENETRATION WITH THE GENERAL CONTRACTOR. PROVIDE SCREENED ELBOW TURNED DOWN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PLUMBING, FIRE SUPPRESSION AND MECHANICAL EQUIPMENT SHOWN FOR REFERENCE AND COORDINATION.
- EXTEND 1/2" COMPRESSED AIR DOWN WITHIN WALL TO SERVE LABORATORY SERVICE FITTING. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND TYPE. PROVIDE ALL NECESSARY FITTINGS AND MAKE FINAL CONNECTIONS TO FITTINGS AS REQUIRED.
- LABORATORY COMPRESSED AIR OUTLET SERVICE FITTING.
- BASE MOUNTED, FACTORY ASSEMBLED PACKAGED OIL-LESS SCROLL TRIPLEX LABORATORY CENTRAL AIR COMPRESSOR UNIT WITH SINGLE POINT SERVICE CONNECTIONS. POSITION UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD, WITH ELASTOMERIC ISOLATION PADS, MAINTAIN MANUFACTURERS REQUIRED SERVICE CLEARANCES ON ALL SIDES. ALL PIPING CONNECTION TO BE MADE WITH FLEXIBLE CONNECTORS. CONNECT AND EXTEND COPPER DRAIN PIPING TO FLOOR SINK. REFER TO SPECIFICATION SECTION 220119 "COMPRESSED-AIR EQUIPMENT FOR LABORATORY FACILITIES. AND EQUIPMENT SCHEDULE ON DRAWING P0602.
- TANK MOUNTED, FACTORY ASSEMBLED PACKAGED DRY-RUNNING DUPLEX ROTARY CLAW LABORATORY CENTRAL VACUUM UNIT WITH SINGLE POINT SERVICE CONNECTIONS. POSITION UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD, WITH ELASTOMERIC ISOLATION PADS, MAINTAIN MANUFACTURERS REQUIRED SERVICE CLEARANCES ON ALL SIDES. ALL PIPING CONNECTION TO BE MADE WITH FLEXIBLE CONNECTORS. CONNECT AND EXTEND COPPER DRAIN PIPING TO FLOOR SINK. REFER TO SPECIFICATION SECTION 226219 "VACUUM EQUIPMENT FOR LABORATORY FACILITIES. AND EQUIPMENT SCHEDULE ON DRAWING P0602.



2 CENTRAL VACUUM UNIT AND AIR COMPRESSOR UNIT DETAIL

KEYED NOTES: (DETAIL 2 ONLY)

- PROVIDE FULL SIZE DRIP LEG WITH HOSE END DRAIN VALVE, WITH CAP AND CHAIN. DRIP LEG TO BE MINIMUM OF 12 INCHES LONG.
- MAKE EXHAUST PORT CONNECTIONS TO THE EQUIPMENT AS REQUIRED, PROVIDE THE NECESSARY FITTINGS AND ADAPTERS. SUPPORT PIPING INDEPENDENT OF THE EQUIPMENT.
- VACUUM EXHAUST PIPING.
- FLEXIBLE CONNECTOR, VERIFY LENGTH AND DEFLECTION RECOMMENDATIONS WITH THE EQUIPMENT MANUFACTURER.
- MAKE COMPRESSED AIR CONNECTIONS TO THE VACUUM UNIT AS REQUIRED. PROVIDE THE NECESSARY FITTING AND ADAPTERS. SUPPORT PIPING INDEPENDENT OF THE EQUIPMENT.
- COMPRESSED AIR SERVICE TO THE BUILDING. SET MAIN REGULATOR ON COMPRESSOR TO 100 PSIG. SUPPORT THE PIPING INDEPENDENT OF THE EQUIPMENT.
- PROVIDE 5 INCH SHUT OFF VALVE AND PRESSURE REGULATOR TO SERVE VACUUM UNIT. REGULATOR TO BE BEACONMEDAES MODEL 6-122101-01, 5 INCH INLET/OUTLET, WITH A DELIVERY RANGE OF 40-100 PSIG. PROVIDE WITH MODEL 6-130115-00 0-100 PRESSURE GAUGE. SET REGULATOR TO 80 PSIG. SUPPORT PIPING FROM FIELD FABRICATED WALL BRACKETS.
- MAIN VACUUM SERVICE PIPING TO THE BUILDING. SUPPORT PIPING INDEPENDENT OF THE EQUIPMENT.
- MAIN EQUIPMENT CONNECTION FOR MAIN PIPING TO THE VACUUM UNIT. PROVIDE THE NECESSARY FITTING AND ADAPTERS.
- EQUIPMENT CONNECTION FOR THE MAIN COMPRESSED AIR PIPING TO THE AIR COMPRESSOR. PROVIDE THE NECESSARY FITTING AND ADAPTERS.

