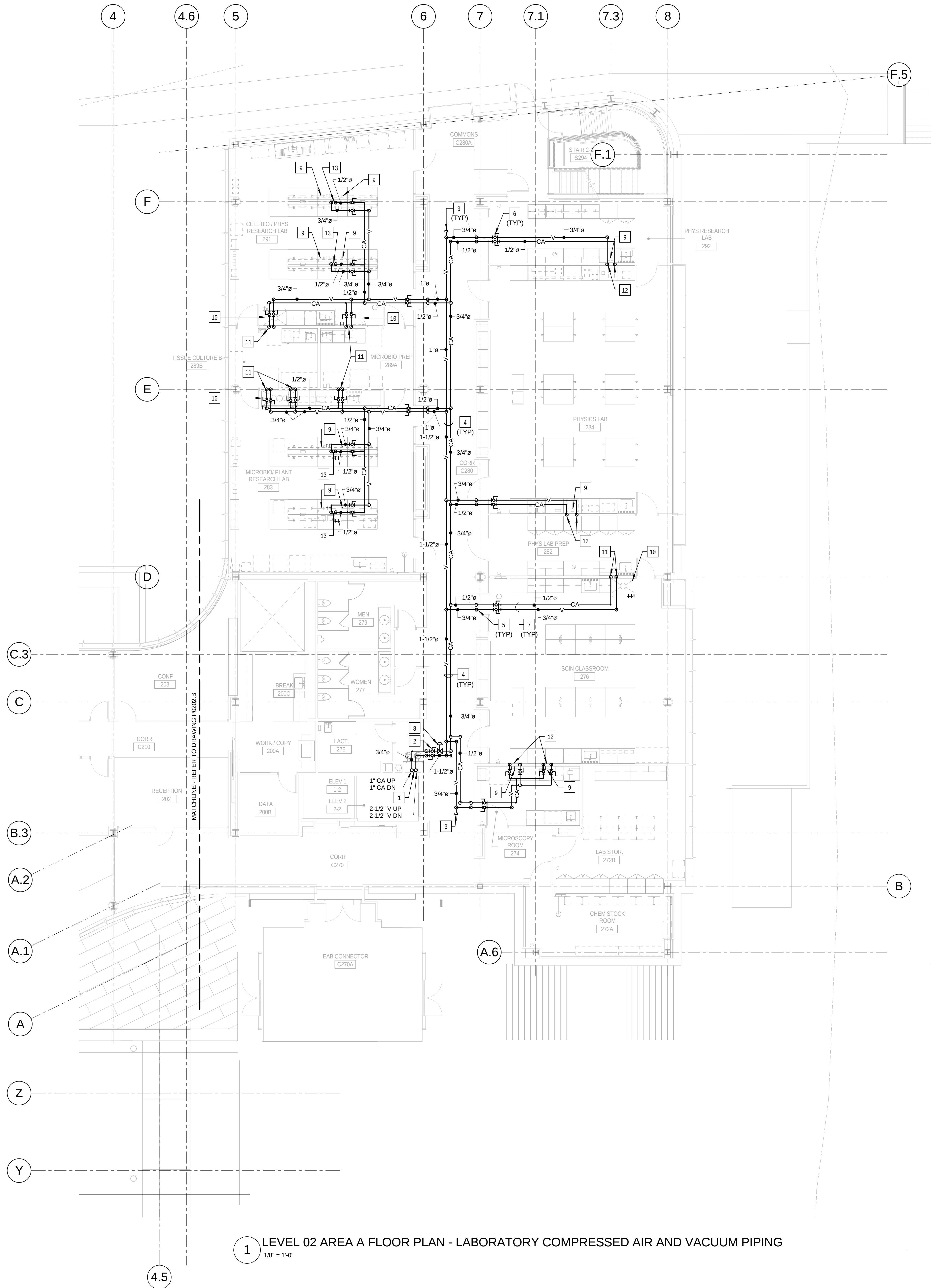




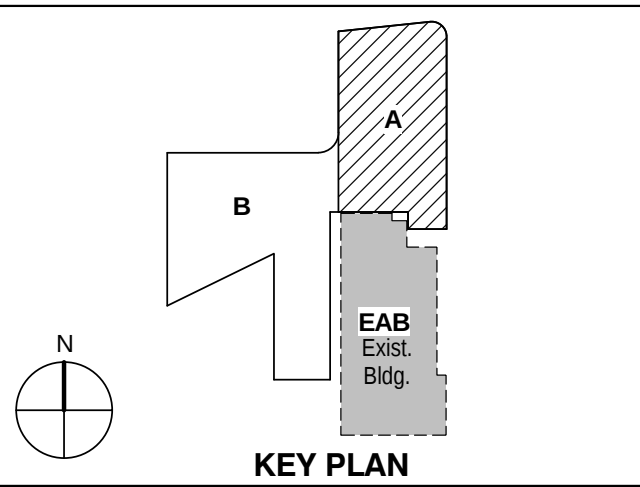
KEYED NOTES: (THIS SHEET ONLY)

- 1 BUILDING SERVICE RISERS FOR LABORATORY COMPRESSED AIR AND VACUUM. COORDINATE INSTALLATION WITH BUILDING STRUCTURE AND OTHER SERVICES WITHIN CHASE.
- 2 PROVIDE FLOOR ISOLATION VALVES AT EACH FLOOR LEVEL. LOCATE VALVES IN ACCESSIBLE CEILING OR PROVIDE ACCESS PANEL AS REQUIRED.
- 3 PROVIDE CLEANOUTS PLUG IN PIPING.
- 4 PIPING IN CORRIDOR TO BE RUN AT BOTTOM OF STRUCTURAL STEEL CROSS MEMBERS. COORDINATE INSTALLATION AND ROUTING WITH OTHER TRADES PRIOR TO ROUGH-IN.
- 5 DROP PIPING DOWN TO BELOW STRUCTURAL STEEL MEMBER. HOLD TIGHT TO BOTTOM OF STEEL.
- 6 PROVIDE SHUT-OFF VALVES AT THE ENTRY TO EACH ROOM.
- 7 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.
- 8 INSTALL SINGLE STAGE IN-LINE AIR PRESSURE REGULATOR, BEACONMEDAES MODEL 6-122102-01, .75 INCH INLET AND OUTLET, ADJUSTABLE FROM 40 to 110 PSIG. DELIVERY RANGE, PROVIDE WITH MODEL 9-130116-00, 0 TO 300 PRESSURE GAUGE. MOUNT ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. POSITION FOR FULL ACCESS TO THE ADJUSTMENT NUT AND GAUGE. SET TO 50 PSIG.
- 9 LABORATORY COMPRESSED AIR OUTLET AND VACUUM INLET SERVICE FITTING.
- 10 LABORATORY FUME HOOD OR BIO SAFETY CABINET. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE TYPE.
- 11 EXTEND 1/2" COMPRESSED AIR AND 3/4" VACUUM DOWN WITHIN WALL TO SERVE LABORATORY FUME HOOD OR BIO SAFETY CABINET SERVICE FITTINGS. VERIFY CONNECTION LOCATIONS AND REQUIREMENTS WITH EQUIPMENT MANUFACTURER. PROVIDE ALL NECESSARY FITTINGS AND MAKE FINAL CONNECTIONS TO FITTINGS AS REQUIRED. PIPING TO BE CONCEALED AS MUCH AS POSSIBLE BEHIND THE EQUIPMENT OR BELOW THE COUNTERTOPS.
- 12 EXTEND 1/2" COMPRESSED AIR AND 3/4" VACUUM DOWN WITHIN WALL TO SERVE LABORATORY SERVICE FITTINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND TYPE. PROVIDE ALL NECESSARY FITTINGS AND MAKE FINAL CONNECTIONS TO FITTINGS AS REQUIRED.
- 13 EXTEND 1/2" COMPRESSED AIR AND 3/4" VACUUM DOWN INTO LABORATORY BENCH CASEWORK SERVICE CARRIER. ROUTE PIPING DOWN TO CASEWORK UTILITY CHASE AND CONNECT TO BENCH-TOP LABORATORY SERVICE FITTINGS. REFER TO THE ARCHITECTURAL PLAN FOR THE ENTRY POINT OF THE OVERHEAD SERVICE CARRIER AND SERVICE FITTINGS. PROVIDE ALL NECESSARY FITTINGS AND MAKE FINAL CONNECTIONS. COORDINATE INSTALL AND ROUTING OF PIPING WITH OTHER TRADES UTILIZING THE UTILITY CHASE.

CONFORMED SET 01 JUL 2016

2 ADDENDUM 2-4 24 MAY 2016
1 ADDENDUM 2-1 17 MAR 2016
- ISSUED FOR CONSTRUCTION (BP2) 01 MAR 2016

No.	Description	Date
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KEY PLAN

Drawing Title:

**LEVEL 02 AREA A FLOOR
PLAN - LABORATORY
COMPRESSED AIR AND
VACUUM PIPING**

Project No.: 04561.01 Checked by:

P0202.A