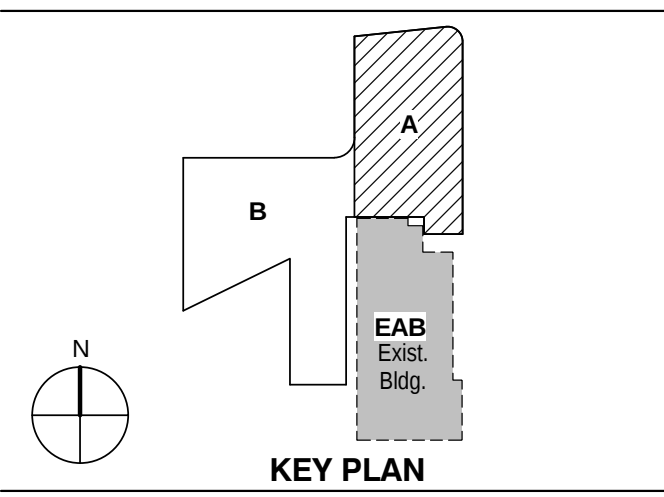


CONFORMED SET

01 JUL 2016

ISSUED FOR CONSTRUCTION (BP2) 01 MAR 2016

No.	Description	Date
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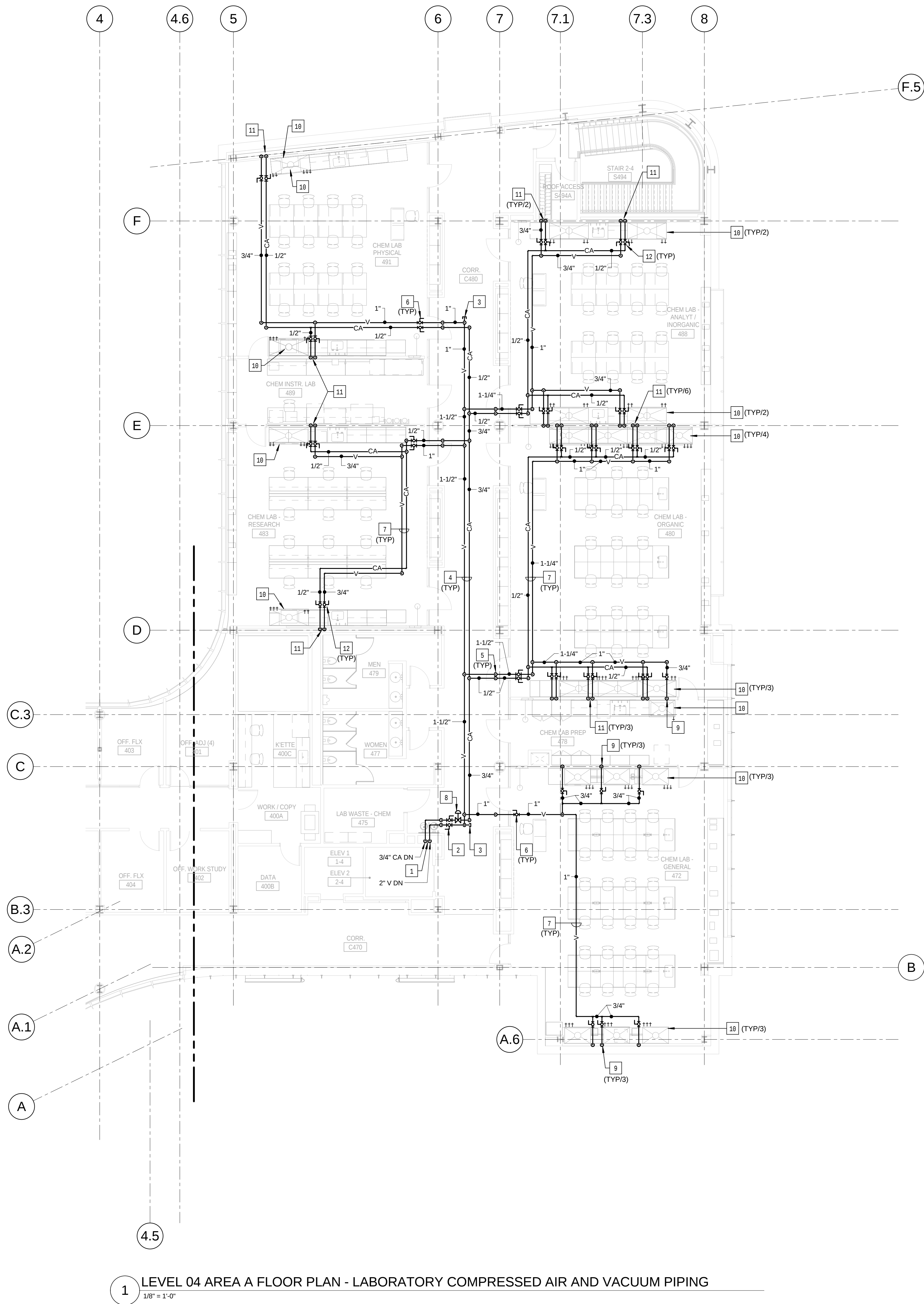


KEY PLAN

LEVEL 04 AREA A FLOOR
PLAN- LABORATORY
COMPRESSED AIR AND
VACUUM PIPING

Project No.: 04561.01 Checked by:

P0204.A



1 LEVEL 04 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 FLOOR 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 6-122102-01, .75 INCH INLET AND OUTLET, ADJUSTABLE FROM 40 TO 110 PSIG DELIVERY RANGE, PROVIDE WITH MODEL 6-130116-00, 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.
- EXTEND 3/4" VACUUM DOWN WITHIN WALL TO SERVE LABORATORY FUME HOOD 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.
- LABORATORY FUME HOOD OR BIO SAFETY CABINET. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE TYPE.
- 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.
- PROVIDE EQUIPMENT ISOLATION VALVES IN AN ACCESSIBLE LOCATION ABOVE THE CEILING.