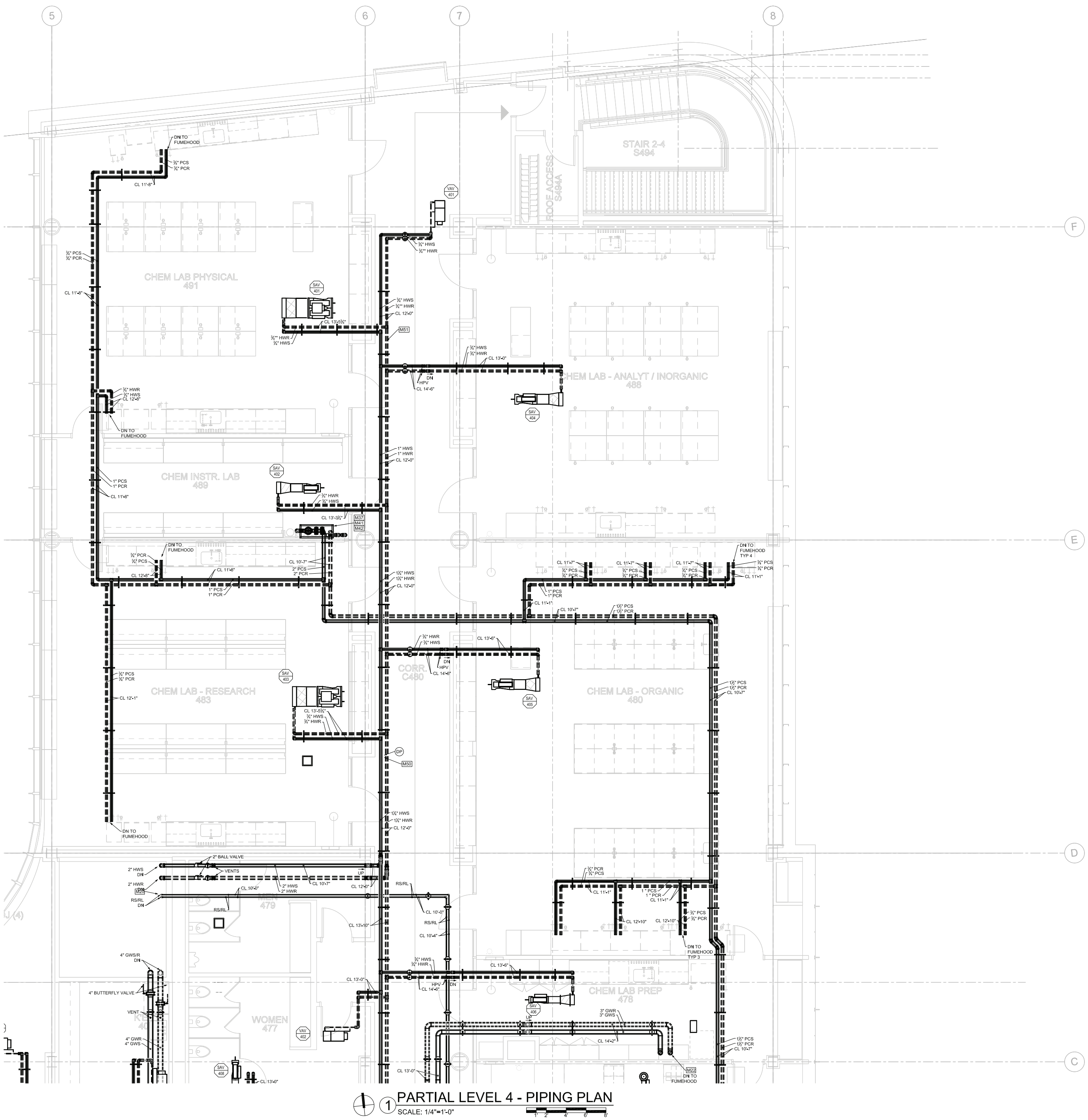


1 PARTIAL LEVEL 4 - PIPING PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. PIPING RUNOUTS TO TERMINAL UNITS SHALL BE ¾" UNLESS OTHERWISE NOTED. REFER TO REHEAT BOX SCHEDULE

2. SCHEDULE SYSTEMS OR EQUIPMENT SHUT DOWNS REQUIRED FOR NEW CONSTRUCTION WITH OWNER TWO WEEKS IN ADVANCE. SOME PREMIUM TIME WORK MAY BE REQUIRED.

3. REFER TO PIPING DETAILS FOR FINAL CONNECTIONS TO EQUIPMENT. PROVIDE SERVICE SHUT-OFF VALVES IN MAJOR PIPING BRANCH LINES, ALL CONNECTIONS TO RISERS AND EACH BUILDING WING: A & B

MECHANICAL PIPING KEYED NOTES: (THIS SHEET ONLY)

M20 REFRIGERANT LIQUID AND SUCTION PIPING BETWEEN DX COOLING COILS AND CONDENSING UNITS. COORDINATE PIPE SIZES WITH MANUFACTURER.

M22 GLYCOL WATER SUPPLY AND RETURN PIPING UP THROUGH ROOF TO HEAT RECOVERY COILS. PROVIDE ROOF PENETRATION CURB/SEAL.

M37 1½" C&CR, AND ¾" MWL DOWN TO LEVEL 03.

M39 1" BACKPRESSURE REGULATING VALVE (5 GPM) FOR PROCESS CHILLED WATER MINIMUM PUMP FLOW.

M41 2" AIR SEPARATOR. SEE PIPING DIAGRAM.

M42 DIAPHRAGM EXPANSION TANK. SEE PIPING DIAGRAM AND SCHEDULE.

M50 PIPING DIFFERENTIAL PRESSURE SENSOR.

M51 1" HEATING HOT WATER BYPASS WITH BACKPRESSURE CONTROL VALVE (5 GPM).

M67 LOCATION FOR REFRIGERANT PIPING FOR COOLER, SEE ARCHITECTURAL SPECIFICATIONS AND DRAWINGS. PIPING SHALL BE INSTALLED PER COOLER SUPPLIERS REQUIREMENTS.

HANGER MAP KEYED NOTES:

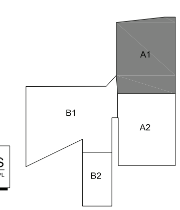
H1 TRIANGLE HANGER W/ ⅜" ROD

H2 TRAPEZE HANGER W/ ⅜" ROD

H3 CLEVIS HANGER W/ ⅜" ROD

H4 V-BOTTOM CLEVIS HANGER W/ ⅜" ROD

RECORD DRAWINGS
DATE: 6/30/17 DRAWN BY: ZPL



KEY PLAN

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Revision:

Issue Date: 12 / 1 / 16

Sheet Title: MP104A1

Project Number: 5768

Sheet Number: 1 of 1