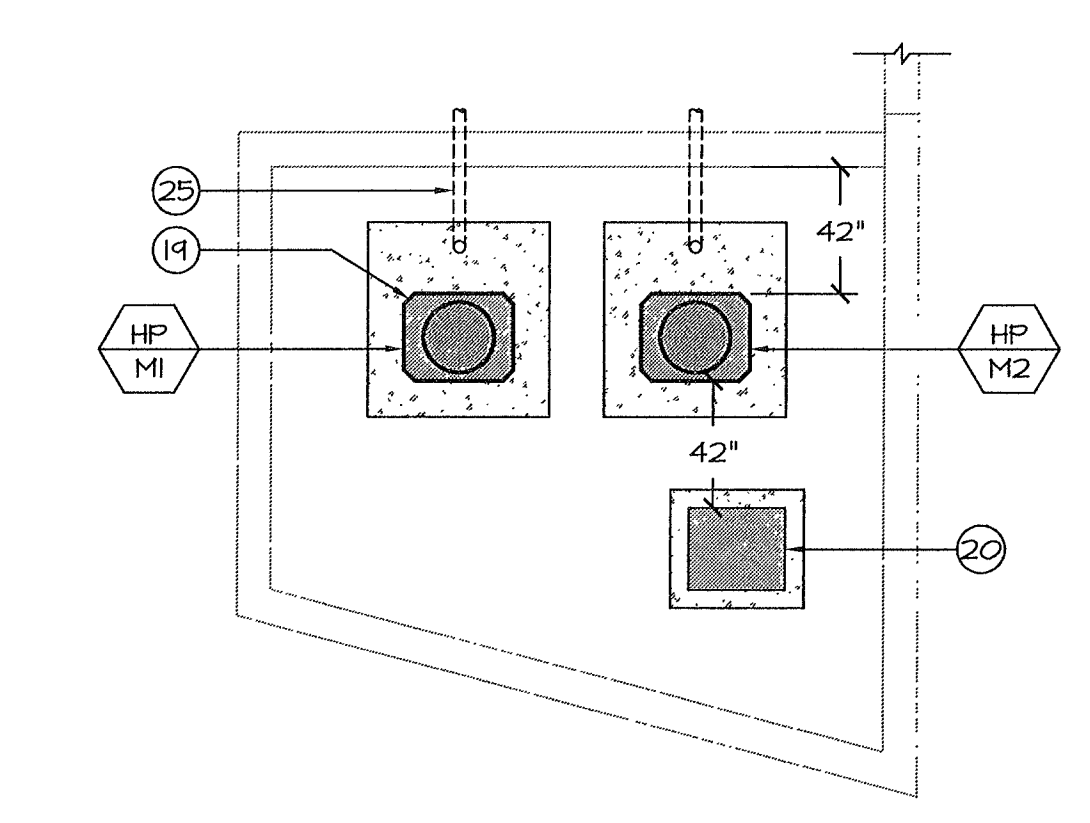
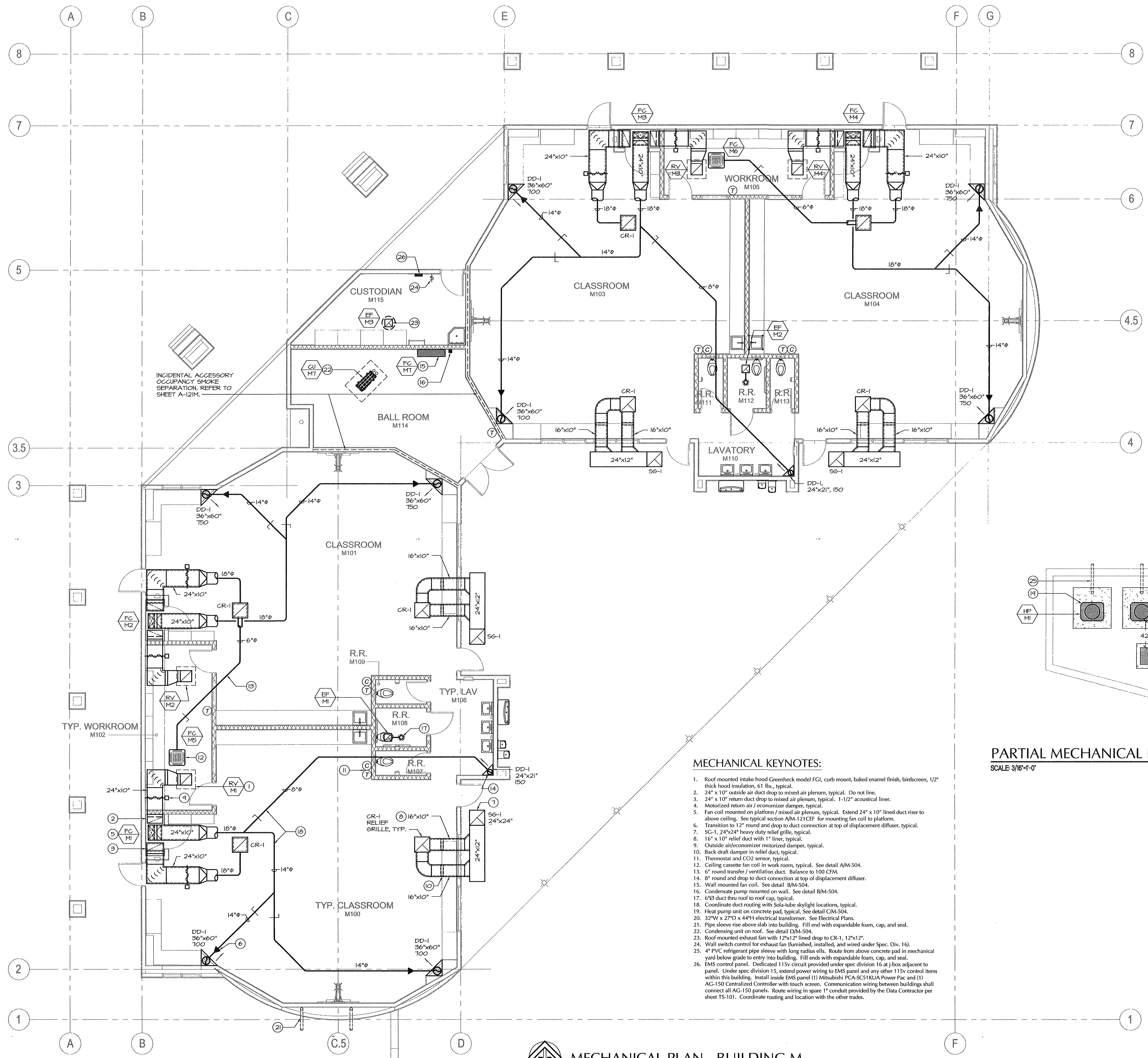


IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. #02-112027
 FILE #: 15-6
 AC FLS. 88
 DATE JAN 20 2012
 PTN # 63321-112

NEW ELEMENTARY SCHOOL
 9801 HIGHLAND KNOLLS DR
 BAKERSFIELD CALIFORNIA 93306
 NEW MIDDLE SCHOOL
 4115 VINELAND ROAD
 BAKERSFIELD CALIFORNIA 93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD CALIFORNIA 93305



MECHANICAL KEYNOTES:

1. Roof mounted intake hood Greenheck model FG, curb mount, baked enamel finish, birdscreen, 1/2" thick hood insulation, 61 lbs., typical.
2. 24" x 10" outside air duct drop to mixed air plenum, typical. Do not line.
3. 24" x 10" return duct drop to mixed air plenum, typical. 1-1/2" acoustical liner.
4. Motorized return air / economizer damper, typical.
5. Fan coil mounted on platform / mixed air plenum, typical. Extend 24" x 10" lined duct riser to above ceiling. See typical section AM-121 CEF for mounting fan coil to platform.
6. Transition to 12" round and drop to duct connection at top of displacement diffuser.
7. SG-1, 24"x24" heavy duty relief grille, typical.
8. 16" x 10" relief duct with 1" liner, typical.
9. Outside air/economizer motorized damper, typical.
10. Back draft damper in relief duct, typical.
11. Thermostat and CO2 sensor, typical.
12. Ceiling cassette fan coil in work room, typical. See detail AM-504.
13. 6" round transfer / ventilation duct. Balance to 100 CFM.
14. 8" round and drop to duct connection at top of displacement diffuser.
15. Wall mounted fan coil. See detail BM-504.
16. Condensate pump mounted on wall. See detail BM-504.
17. 6"Ø duct thru roof to roof cap, typical.
18. Coordinate duct routing with Sola-tube skylight locations, typical.
19. Heat pump unit on concrete pad, typical. See detail GM-504.
20. 32PW x 27PD x 44PI electrical transformer. See Electrical Plans.
21. Pipe sleeve rise above slab into building. Fill end with expandable foam, cap, and seal.
22. Condensing unit on roof. See detail DM-504.
23. Roof mounted exhaust fan with 12"x12" lined drop to CR-1, 12"x12".
24. Wall switch control for exhaust fan (furnished, installed, and wired under Spec. Div. 16).
25. 4" PVC refrigerant pipe sleeve with long radius elbows. Route from above concrete pad in mechanical yard below grade to entry into building. Fill ends with expandable foam, cap, and seal.
26. EMS control panel. Dedicated 115v circuit provided under spec division 16 at J-box adjacent to panel. Under spec division 15, extend power wiring to EMS panel and any other 115v control items within this building. Install inside EMS panel (1) Mitsubishi PCA-SC31KUA Power Pac, and (1) AG-150 Centralized Controller with touch screen. Communication wiring between buildings shall connect all AG-150 panels. Route wiring in spare 1" conduit provided by the Data Contractor per sheet TS-101. Coordinate routing and location with the other trades.

PARTIAL MECHANICAL PLAN
 SCALE 3/16"=1'-0" (A)

MECHANICAL PLAN - BUILDING M
 SCALE: 3/16"=1'-0"

MARK	DATE	DESCRIPTION
△		
△		
△		
△		

JOB NUMBER:
200101244
 CAD DRAWING FILE:
 DRAWN BY:
KW
 CHECKED BY:
MB
 CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.
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MECHANICAL PLAN - BUILDING M

SHEET IDENTIFICATION NUMBER
M-121M

MDC
 MECHANICAL DESIGN CONCEPTS, INC.
 5500 Ming Ave, Suite 251 Bakersfield, CA 93309
 Tel #: (661) 397-2114 FAX #: (661) 397-2116
 Job: 09091 Pjt: 1-11-12

