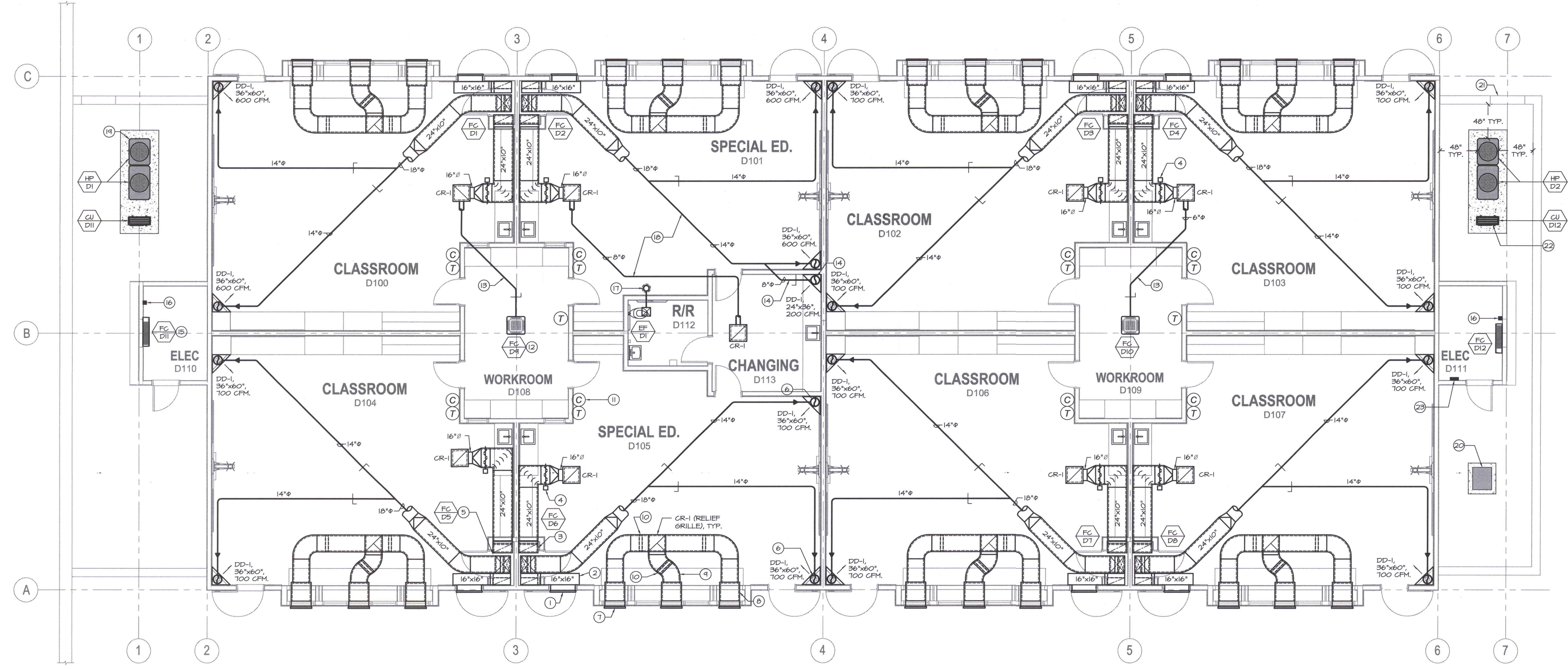




IDENTIFICATION STAMP  
 DIVISION OF STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPL. #02-112027  
 FILE # 15-6  
 AC - FLS (10) SS  
 DATE 1/19/12  
 PTN # 63321-12

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



**PARTIAL MECHANICAL PLAN - BUILDING D**  
 SCALE 3/16"=1'-0"

**MECHANICAL KEYNOTES:**

- 1G-1, 36" wide x 12" tall outside air / economizer heavy-duty intake grille, typical.
- 16"x16" outside air duct, elbow down and transition to 24" x 10" outside air duct drop to mixed air plenum, typical. Do not line.
- 24" x 10" return duct drop to mixed air plenum, typical. 1-1/2" acoustical liner.
- Motorized return air / economizer damper, typical.
- Fan coil mounted on platform / mixed air plenum, typical. Extend 24" x 10" lined duct riser to above ceiling. See typical section AM-121CEF for mounting fan coil to platform.
- Transition to 12" round and drop to duct connection at top of displacement diffuser, typical.
- RC-1, 36" x 12" heavy duty relief grille located above window module, typical of (3) per classroom. See architectural exterior elevations.
- 34" x 10" relief duct with 1" liner, typical.
- 22" x 6" relief duct with 1" liner, typical. Stub into 34" x 10".
- Back draft damper in relief duct, typical.
- Thermostat and CO2 sensor, typical.
- Ceiling cassette fan coil in work room, typical. See detail AM-504.
- 6" round transfer / ventilation duct. Balance to 100 CFM.
- 8" round and drop to duct connection at top of displacement diffuser.
- Wall mounted fan coil located above door. See detail BM-504.
- Condensate pump mounted on wall. See detail BM-504.
- 6"Ø duct thru roof to roof cap.
- Coordinate duct routing with Solar-tube skylight locations, typical.
- Heat pump unit on concrete pad, typical. See detail CM-504.
- 32"W x 27"D x 44"H electrical transformer. See Electrical Plans.
- 4'-0" service door at end of enclosure, typical.
- Condensing unit on concrete pad. See detail DM-504.
- EMS control panel. Dedicated 115v circuit provided under spec division 16 at i-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-SCS1K1JA 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.

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.  
 THE DRAWINGS, IDEAS, AND DESIGN REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.  
 COPYRIGHT ©  
 ORDIZ MELBY ARCHITECTS, INC. 2010  
 SHEET TITLE

Thermostat - RFI 121R

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

**MECHANICAL PLAN - BUILDING D**

SHEET IDENTIFICATION NUMBER  
**M-121D**