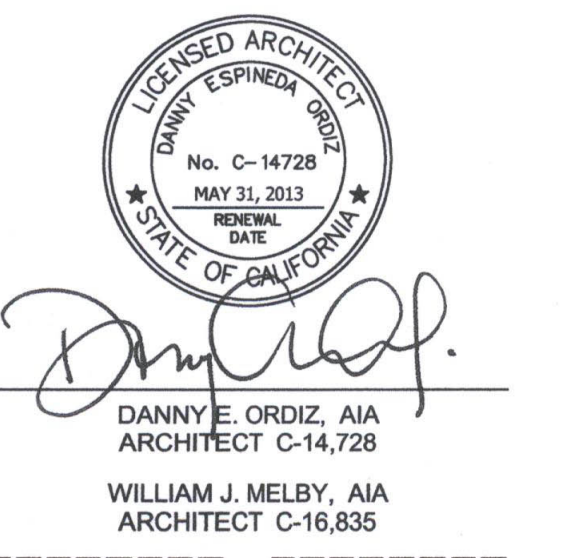




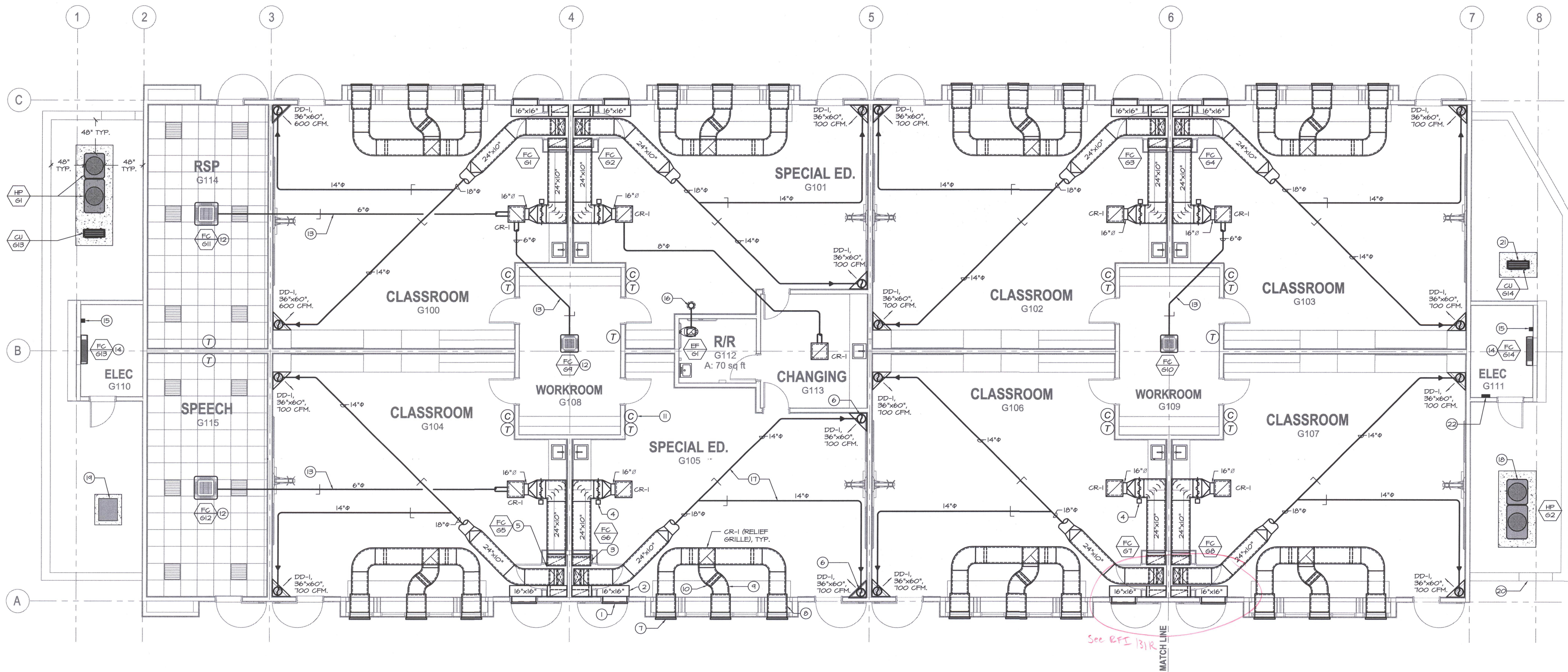
ARCHITECTS, INC.  
 5500 MING AVENUE SUITE 280  
 BAKERSFIELD, CALIFORNIA 93309  
 TELEPHONE (661) 832-5258  
 FACSIMILE (661) 832-4291



IDENTIFICATION STAMP  
 DIVISION OF STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 APPL. #02-112027  
 FILE # 15-6  
 AC FL 25/28 SS  
 DATE 1/19/12  
 PTN # 63212-12

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 G  
 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 A/M-121CEF for mounting fan coil to platform.
- Transition to 12" round and drop to duct connection at top of displacement diffuser, typical.
- RG-1, 36" x 12" heavy duty relief grille located above window module, typical of 0) 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 A/M-504.
- 6" round transfer / ventilation duct. Balance to 100 CFM.
- Wall mounted fan coil located above door. See detail B/M-504.
- Condensate pump mounted on wall. See detail B/M-504.
- 6"0 duct thru roof to roof cap.
- Coordinate duct routing with solar-tube skylight locations, typical.
- Heat pump unit on concrete pad, typical. See detail C/M-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 D/M-504.
- 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-SCS1KUA 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 DRAWING, IDEAS AND DESIGN REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.  
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 SHEET TITLE  
**MECHANICAL PLAN - BUILDING G**

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 P1: 1-11-12

SHEET IDENTIFICATION NUMBER  
**M-121G**