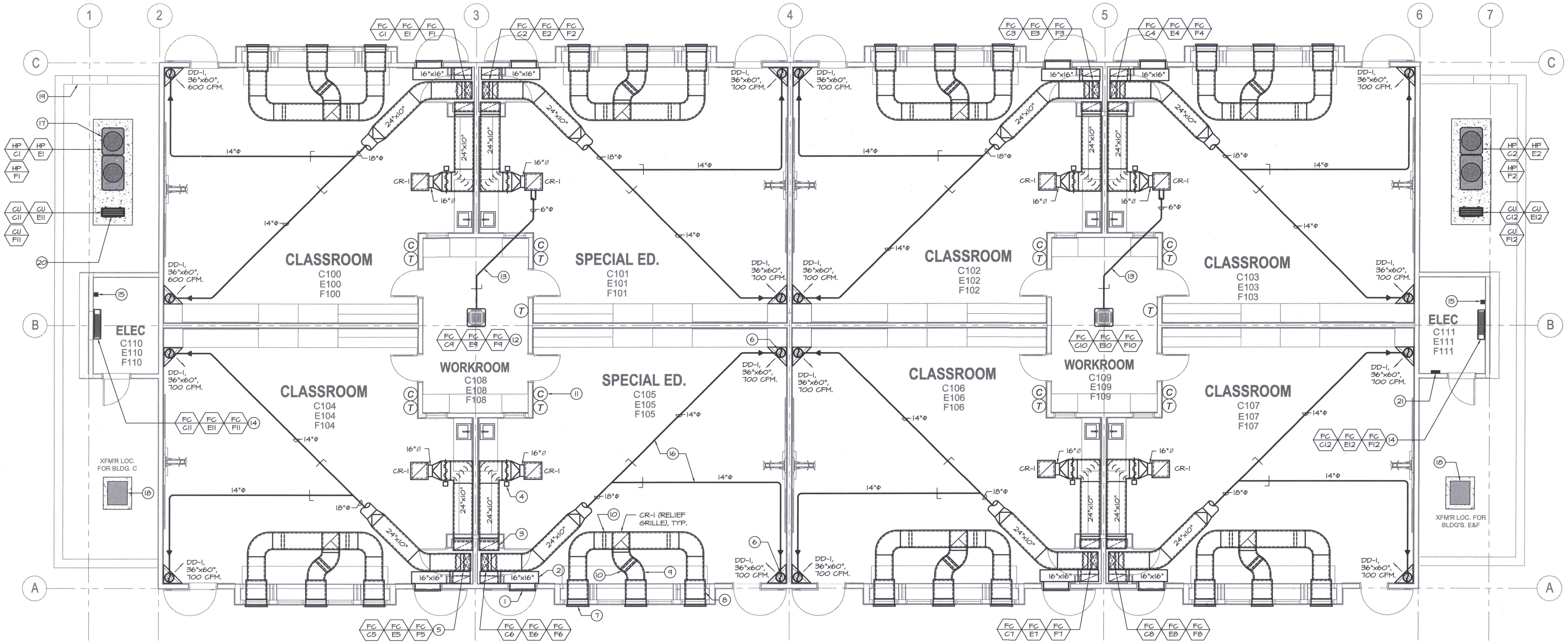
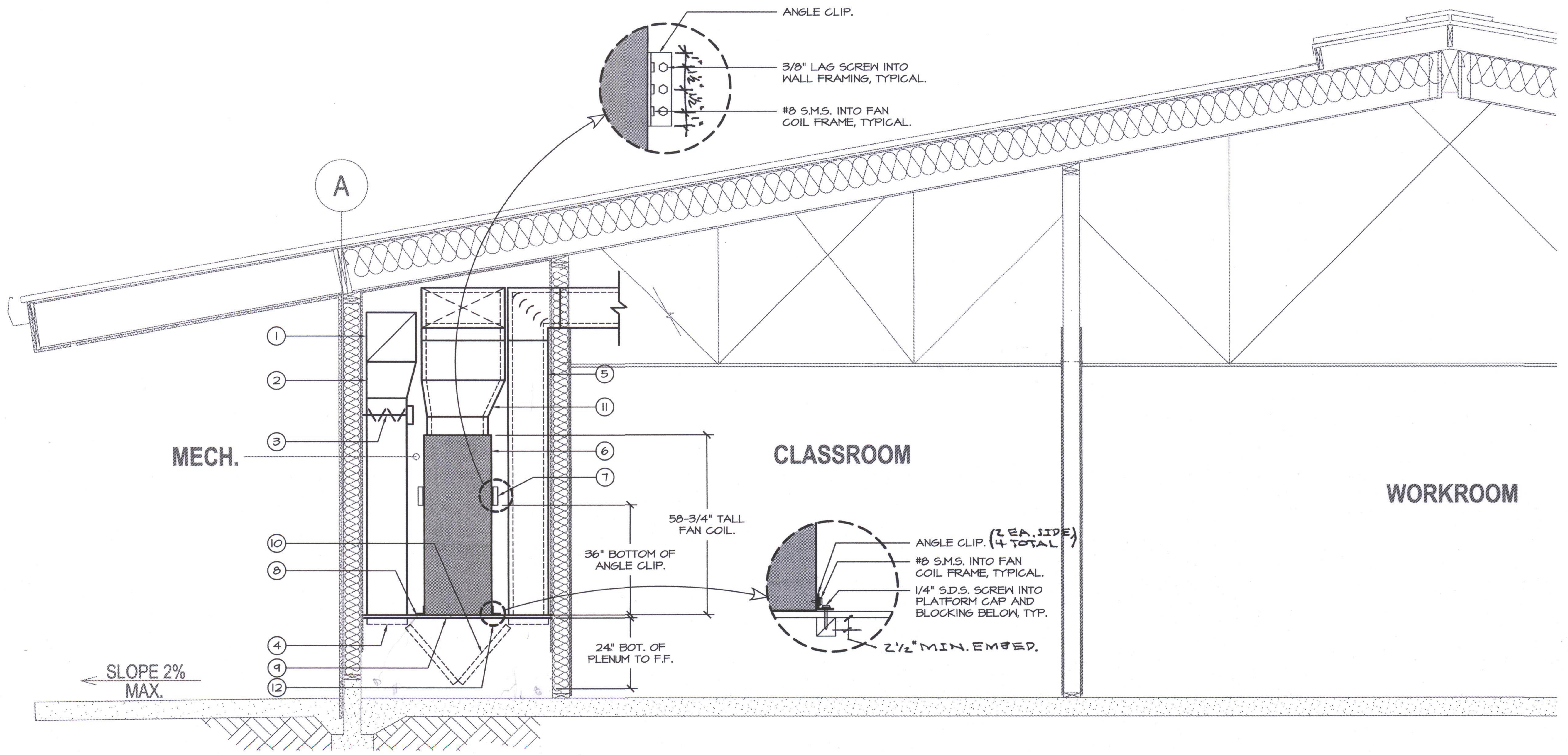


PARTIAL MECHANICAL PLAN - BUILDINGS C, E & F

SCALE: 3/16"=1'-0"



TYPICAL MECHANICAL SECTION AT FAN COIL SERVING CLASSROOM

SCALE: 1/2"=1'-0"

MECHANICAL SECTION KEYNOTES:

1. 16"x16" outside air/economizer duct. Use S & drive joints on this duct to accommodate fitting between ceiling & roof joist.
2. Transition to 24" x 10" outside air duct drop to mixed air plenum. Do not line.
3. Motorized outside / economizer damper.
4. Stub duct into mixed air plenum, typical.
5. 24" x 10" return duct drop to mixed air plenum. 1-1/2" acoustical liner.
6. Fan coil mounted on platform / mixed air plenum. 168 lb. operating weight (max.).
7. 2" x 2" x 16 gauge angle - 8" long, typical two (one per side). Secure to fan coil corner frame with (3) #8 sheet metal screws and into wall framing with (3) 3/8" x 2" embedment lag screws into wall framing behind fan coil.
8. Fan coil mounting /. Mixed air platform. See architectural details.
9. Provide opening in plenum to match fan coil return air opening, minus 2" on all sides (to provide support surface for fan coil).
10. Field built filter rack with (2) 24" x 24" x 2" deep MERV 8 filters.
11. Transition supply duct to 24"x10". Locate duct as close to back wall as possible to maintain access to motorized outside air damper.
12. 2"x2"x16 gauge angle - 8" long, typical of two (one per side). Secure to fan coil corner frame with (3) #8 sheet metal screws and into platform plywood top and blocking below with (3) 1/4" SDS screws x 1-1/2" embedment.

REQUEST:
RDM Electric - 8/30/12

RFI 121R

Reference Sheets M121CEF, M121D, M121G, M121N, M121P

In Buildings C, D, E, F, G, N and P the Mechanical Plans show a thermostat to be installed just inside the interior door to each classroom. However, there are structural framing members and windows that prevent the thermostats from being installed in the locations shown on the plans. Please provide an alternate location for the thermostats in the classrooms located in Buildings C, D, E, F, G, N and P.

Contractor Solution: Move the thermostats to the adjacent wall by the casework and sink.

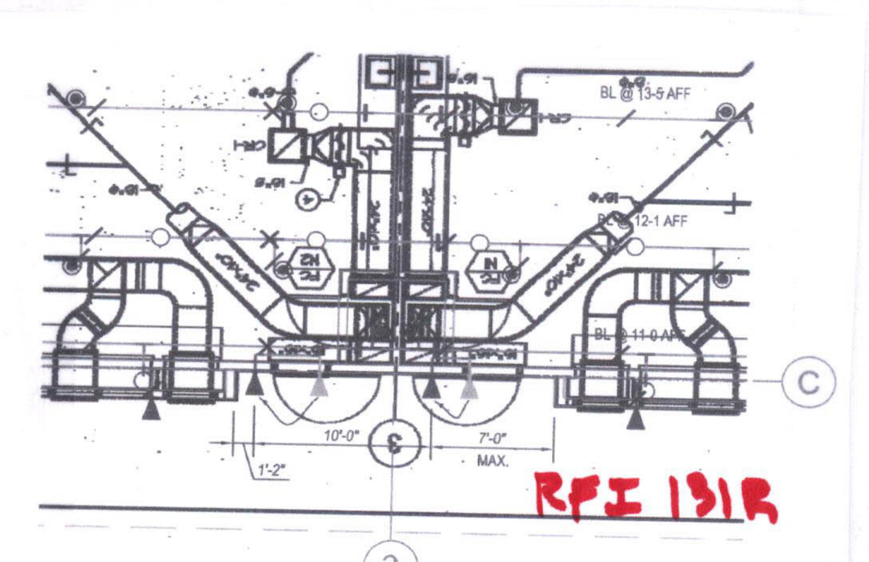
REVISED QUESTION - 9/26/12
The response provided in RFI 121 will not work because there are erate devices to be installed in these locations. Is it acceptable to install the classroom thermostats and CO2 sensors on the other side of the whiteboard? Please advise.

ANSWER:
Ed Hewitt - Ordiz-Melby - 9/11/12

Please relocate thermostat and CO2 censor as depicted on the attached drawing.

MECHANICAL KEYNOTES:

1. IG-1, 36" wide x 12" tall outside air / economizer heavy-duty intake grille, typical.
2. 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.
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 A/M-121CEF for mounting fan coil to platform.
6. Transition to 12" round and drop to duct connection at top of displacement diffuser, typical.
7. RG-1, 36" x 12" heavy duty relief grille located above window module, typical of (3) per classroom. See architectural exterior elevations.
8. 34" x 10" relief duct with 1" liner, typical.
9. 22" x 6" relief duct with 1" liner, typical. Stub into 34" x 10".
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 A/M-504.
13. 6" round transfer / ventilation duct. Balance to 100 CFM.
14. Wall mounted fan coil located above door. See detail B/M-504.
15. Condensate pump mounted on wall. See detail B/M-504.
16. Coordinate duct routing with Sola-tube skylight locations, typical.
17. Heat pump unit on concrete pad, typical. See detail C/M-504.
18. 32"W x 27"D x 44"H electrical transformer. See Electrical Plans.
19. 4'-0" service door at end of enclosure, typical.
20. Condensing unit on concrete pad. See detail D/M-504.
21. 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-SC51KUA 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.



RELOCATION OF SIDEWALL SPRINKLERS AT TYPICAL LOCATIONS IN BUILDINGS C, D, E, F, G, N & P

SNAPSHOT TAKEN OF BUILDING N AT COLUMN LINES C AND 3

ADD NO. 1
A. ADD: Control Schematic and Keynotes per attached drawings M121CEF.1 & M121CEF.2
B. ADD: Attached Mitsubishi Pipe Wire Diagram.

MDC
MECHANICAL DESIGN CONCEPTS, INC.
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Tel #: (661) 397-2114 FAX #: (661) 397-2116
Job: 09091 Plt: 1-11-12

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DANNY E. ORDIZ, AIA
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WILLIAM J. MELBY, AIA
ARCHITECT C-16,835

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #:02-112027
FILE #: 15-6
AC — FLS SS
DATE 1/8/12

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

MARK	DATE	DESCRIPTION
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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.

SHEET TITLE

MECHANICAL PLAN - BUILDINGS C, E & F & TYPICAL SECTION

SHEET IDENTIFICATION NUMBER

M-121CEF