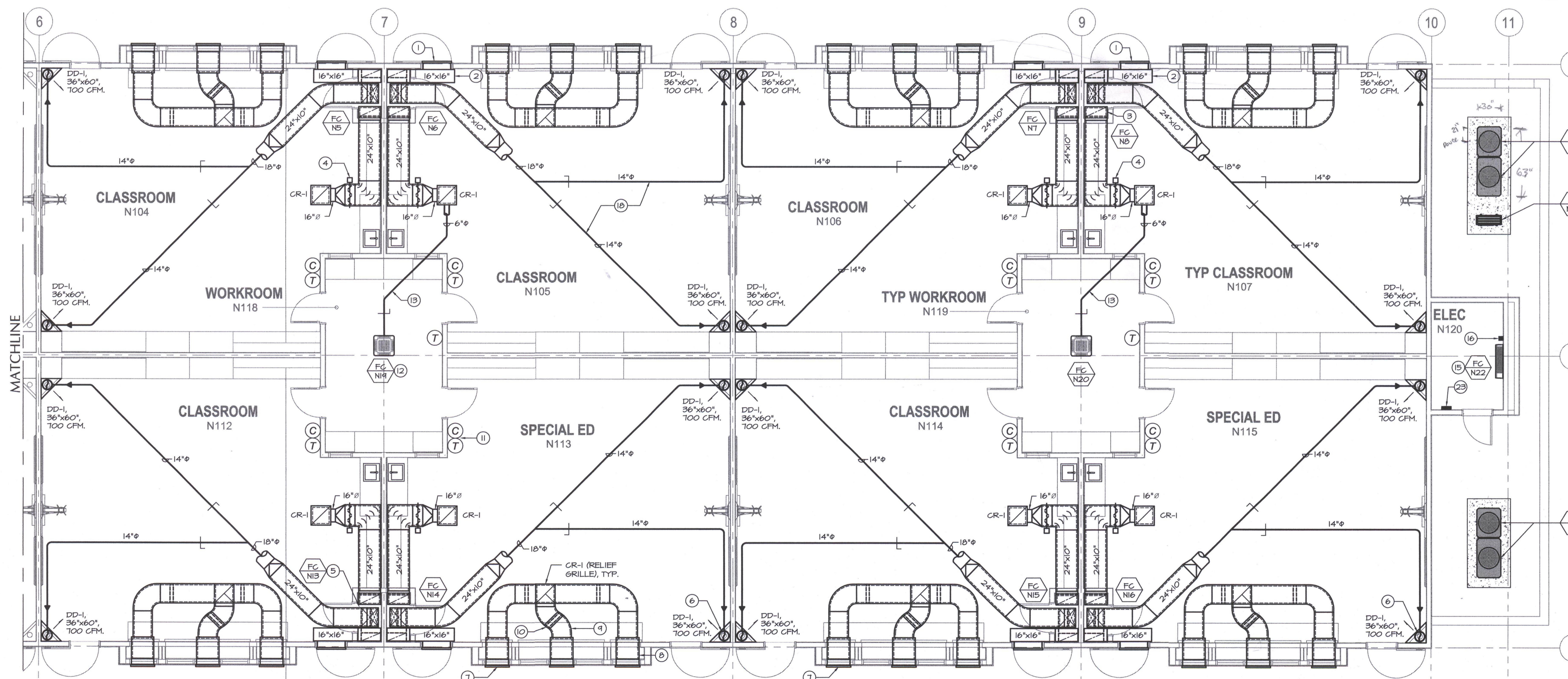


- MECHANICAL KEYNOTES:**
1. IC-1, 36" wide x 12" tall outside air / economizer heavy-duty intake grille, typical.
 2. 16"x16" outside air duct, elbow down and transition to 24" x 10" outside air duct drop to mixed air plenum, typical. Do not line.
 3. 24" x 10" return duct drop to mixed air plenum, typical. 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. Stub into 34" x 10".
 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. 6" round and drop to duct connection at top of displacement diffuser.
 15. Wall mounted fan coil located above door. See detail B/M-504.
 16. Condensate pump mounted on wall. See detail B/M-504.
 17. 6"Ø duct thru roof to roof cap.
 18. Coordinate duct routing with Sola-tube skylight locations, typical.
 19. Heat pump unit on concrete pad, typical. See detail C/M-504.
 20. 32"W x 27"D x 44"H electrical transformer. See Electrical Plans.
 21. 4"Ø service door at end of enclosure, typical.
 22. Condensing unit on concrete pad. See detail D/M-504.
 23. 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 15-101. Coordinate routing and location with the other trades.

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



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

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OFFICE OF REGULATION SERVICES
APPL. #02-112027
FILE # 15-6
DATE 11/16/12
PTN # 63321-112

NEW ELEMENTARY SCHOOL
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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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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.
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Thermostat RFI 121R

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