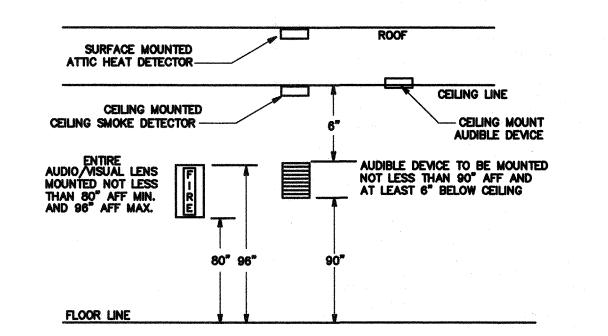


120/240V 1ø 3W PANEL A 100 AMP MAIN BREAKER | 10.000 AIC ON A WA WA SERVING 60/2 8 10 HVAC 3.5 TON RECEPTACLE SPACE 72A 72A DEDICATED CIRCUIT, MECHANICALLY PROTECTED (LOCKOUT), RED MARKING, ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, ID'D AS FIRE ALARM, EMERGENCY COMMUNICATIONS OR FIRE ALARM/ECS. LOCATION OF CIRCUIT DISCONNECT (BREAKER) PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.



TYPICAL FIRE ALARM DEVICES MT'D DETAIL

ALL MECHANICAL, PLIMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAILS IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A. 1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEGBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTNORK, PIPING, AND CONDUIT.
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE

PIPING, DUCTWORK, AND ELECTRICAL

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMEY WITH ON OF THE OSHPO PRE-APPROVALS (OPM #) AS MODIFIED TO SKITSTY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

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SCHOOL ROOMS

LEMENT/ BLE CL/ COLTY SCHO

MT. VERNON EL 4 RELOCATAE BAKERSFIELD ( 2161 POTOMAC

Agency Approval Stamp:

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- BOOSTER PANEL PROVIDE 110V POWER CONNECTION AND DEDICATED
- CIRCUIT FROM PANEL A-12. SEE DRAWING E-3 FOR MORE INFORMATION. PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING E-4.
- PROVIDE 2"C EMT BETWEEN BUILDINGS AND STUB INTO BUILDING CEILING CAVITY FOR SIGNAL WIRING RACEWAY, CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. PULL BACK PA/IC/TELE CABLE TO ADMIN OFFICE MASTER EQUIPMENT FOR NEW DEVICES CONNECTION. SEE RISER
- PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM, FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- NEW SECURITY ALARM PANEL AND SYSTEM, PROVIDE 110V POWER CONNECTION AND INTERCONNECTION TO (48) MASTER EQUIPMENT IN ADMIN OFFICE. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER

PRIOR TO INSTALLATION. SEE RISER DIAGRAM.

- NEW IDF AND CABINET SURFACE MOUNTED BELOW CEILING. PROVIDE 110V POWER CONNECTION, DATA SWITCH, FO CABLE AND DATA CABLE PATCH PANEL FOR NEW DATA OUTLET CONNECTION. PROVIDE FO CABLE TO (88) MDF IN ADMIN OFFICE FOR INTERCONNECTION. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
- DATA AND POWER OUTLET AT CEILING FOR SMART BOARD, FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
- PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION.
- INTERCEPT EXISTING U.G SIGNAL CONDUITS AND INSTALL CHRISTY N30 PULL BOX, REPOUTE AND RECONNECT EXISTING U.G CONDUITS AND WIRING PER ORIGINAL. DO NOT SPLICE SIGNAL CONDUCTOR INSIDE PULL BOX. RE PULL NEW CONDUCTORS AS REQUIRED; FILED VERIFY EXACT LOCATION AND CONDITION PRIOR TO DEMOLITION.

APPROXIMATE LOCATION FOR 75KVA XFMR. PROVIDE SAFETY DISCONNECT

- SWITCH ON (E) XFMR PRIMARY SIDE. SEE SINGLE LINE DIAGRAM. FIELD APPROXIMATE LOCATION FOR EXISTING PANEL H, PROVIDE NEW CONDUITS
- AND FEEDERS FOR NEW PRE-WIRED PANEL POWER CONNECTION. SEE
- CONDUITS AND CONDUCTORS PER PLANS. SEE SINGLE LINE DIAGRAM. NEW 24"x24"x4" NEMA3R SIGNAL TC SURFACE MOUNTED ON EXTERIOR

SAW CUT AND PATCH EXISTING GROUND TO INSTALL NEW U.G POWER

- WALL AT CEILING LEVEL. PROVIDE (2) 2°C STUB INTO BUILDING ATTIC CAVITY. SEE SIGNAL RISER DIAGRAM. ENGENIC U.G SIGNAL CONDUITS TO REMAIN AND REUSE PER PLANS. REROUTE AND REPULL NEW CONDUCTORS AS REQUIRED. SEE RISER
- INTERCEPT EXECUTES AERIAL CABLE AND INSTALL 24"x24"x6" NEMASK PULL CAN, EXTEND NEW CONDUIT AND CONDUCTORS TO NEW PRE—WIRED PANEL PER PLANS. SEE SINGLE LINE DIAGRAM. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- SAW CUT AND PATCH EXISTING GROUND TO INSTALL NEW U.G SIGNAL CONDUITS AND CONDUCTORS, RE PULL NEW CONDUCTORS TO RECONNECT EXISTING SIGNAL CIRCUITS DUE TO RELOCATED BUILDING REMOVED. FIELD VERIFY EXISTING CONDITION PRIOR TO DEMOLITION.

## SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM

DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONITROL (64ZONE).
INTERFACE WITH EXISTING BUILDING MASTER SECRITY ALARM PANEL AS

- LCD KEYPAD MATCH EXISTING EQUIPMENT AS REQUIRED.
- DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
- EXTERIOR BELL (SIREN) DSC/JSD15W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
- DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN
- —B INDOOR SECURITY ALARM CABLE. WEST PENN #241
- COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM HANDSET/IP PHONE - FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
- CEILING SPEAKER RAULAND JUS0221 W/ACC1000 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED OUTDOOR SPEAKER - ATLAS #APF15 HORN W/XFMR AND LOWELL
- (#CB84 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/SQLK GRILL
- \_\_\_\_\_T \_\_\_\_ OUTDOOR TELE/IC CABLE. 22AWG SOILD COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
- --- P1 --- OUTDOOR PA/IC CABLE WEST PENN #AQC-369

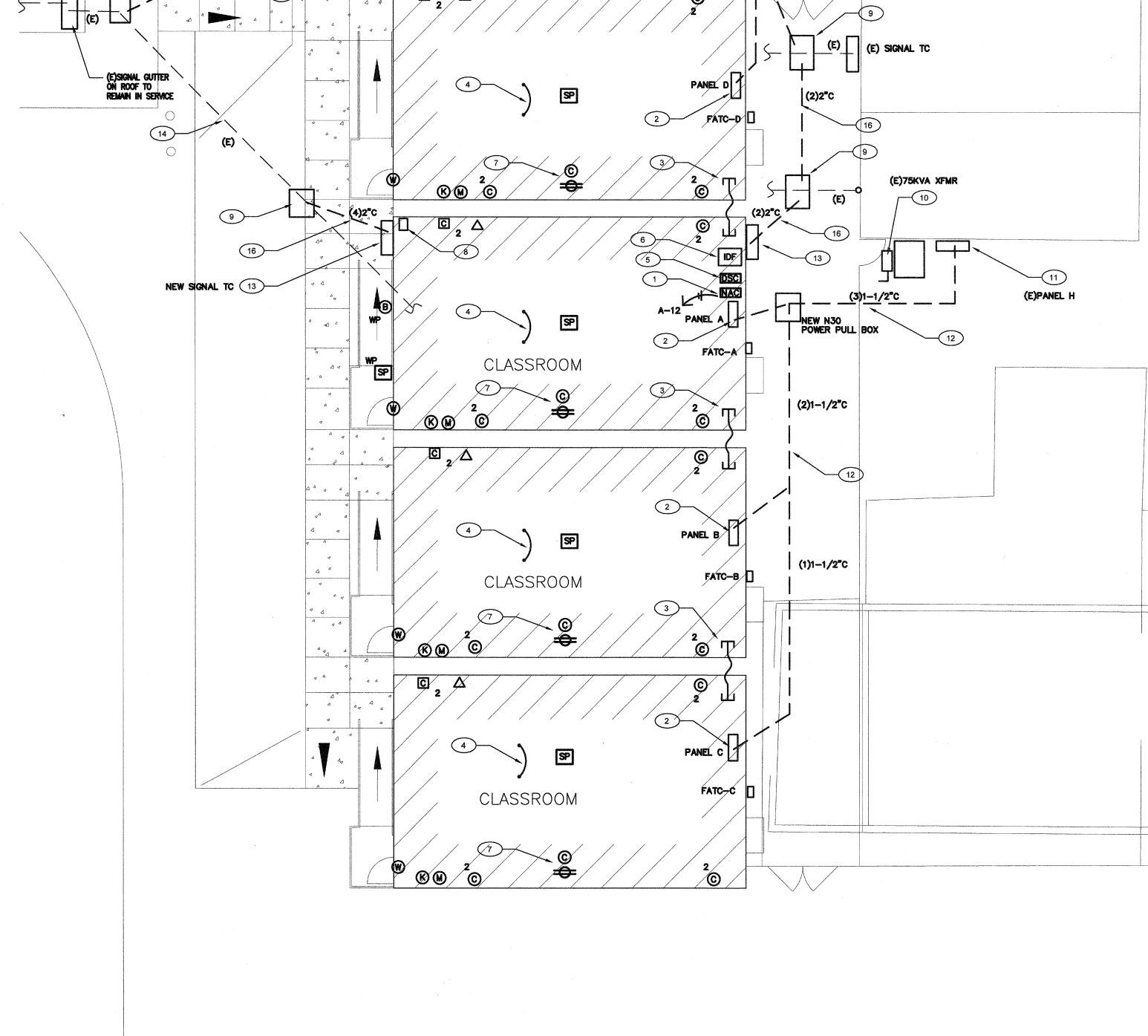
- DATA OUTLET LEVITON CAT 5E (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
- DATA OUTLET LEVITON CAT 5E (DUAL RECEPTACLE BLUE IN COLOR FOR INSTRUCTIONAL) FO — FIBER OPTIC CABLE VIA INNER DUCT WITH J-HOOK IN ATTIC AND 2°C FOR OUTDOOR. SEE RISER DIAGRAM FOR MODEL NO.
- C2 (TWO) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.

**NOTES:** 

ALL SIGNAL CONDUCTORS CANNOT SPLICE INSIDE PULL BOX.
CONDUCTOR MUST BE CONTINUE RUN BETWEEN SIGNAL DEVICES
BACK BOX OR ABOVE GROUND TERMINAL CABINET.

5125





MEP COMPONENT ANCHORAGE NOTES

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOMBLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HAND WRED) TO THE BUILDING UTILITY
- SERVICES SUCH AS ELECTRICITY, CAS OR WATER.

  3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

  B. COMPONENTS WEIGHTING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

DISTRIBUTION SYSTEM BRACING NOTE

PPPMG DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 12.6.8, 13.6.5.6 AND 2013 CBC, SECTION 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

POWER AND SIGNAL PLAN

SCALE: 1/8" = 1' - 0"