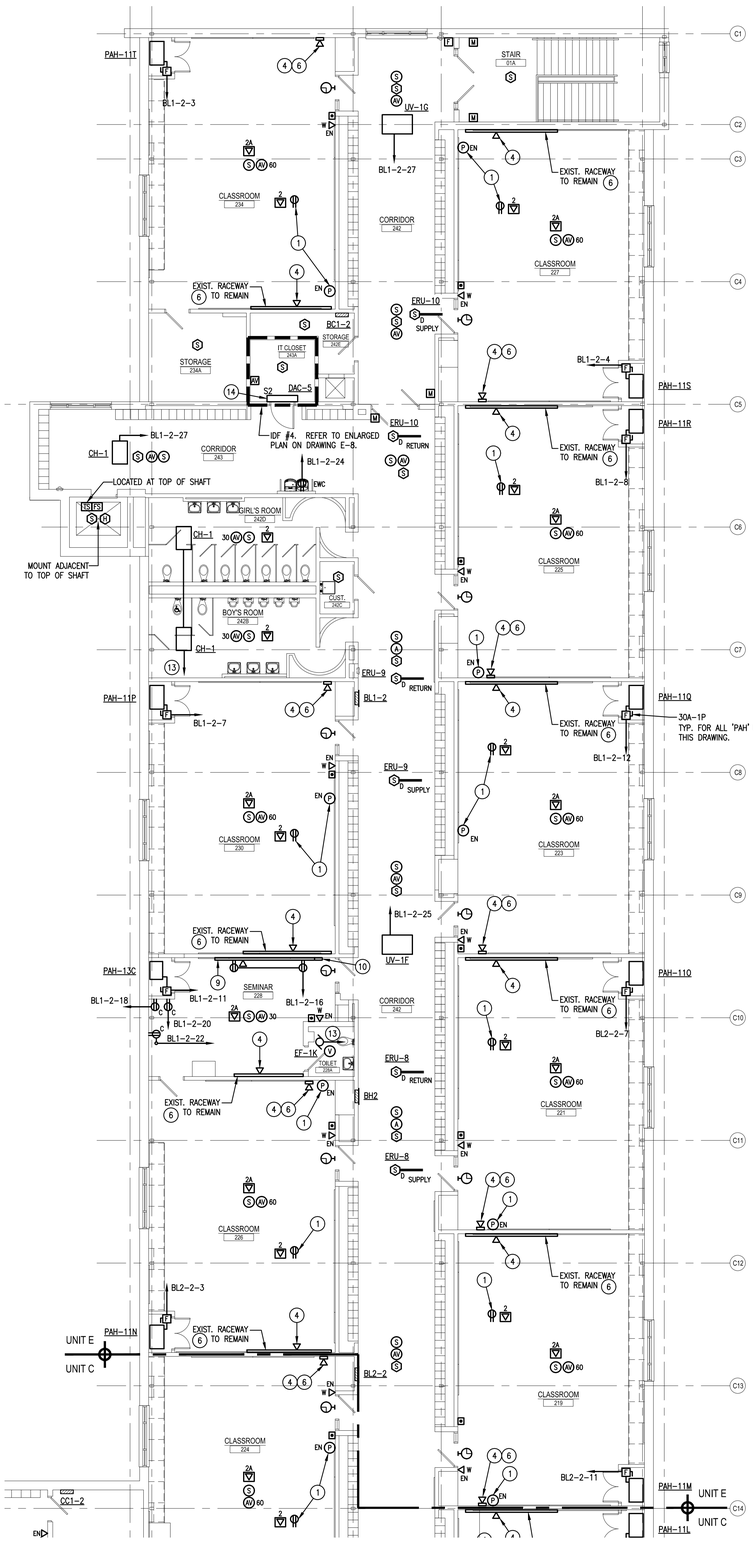
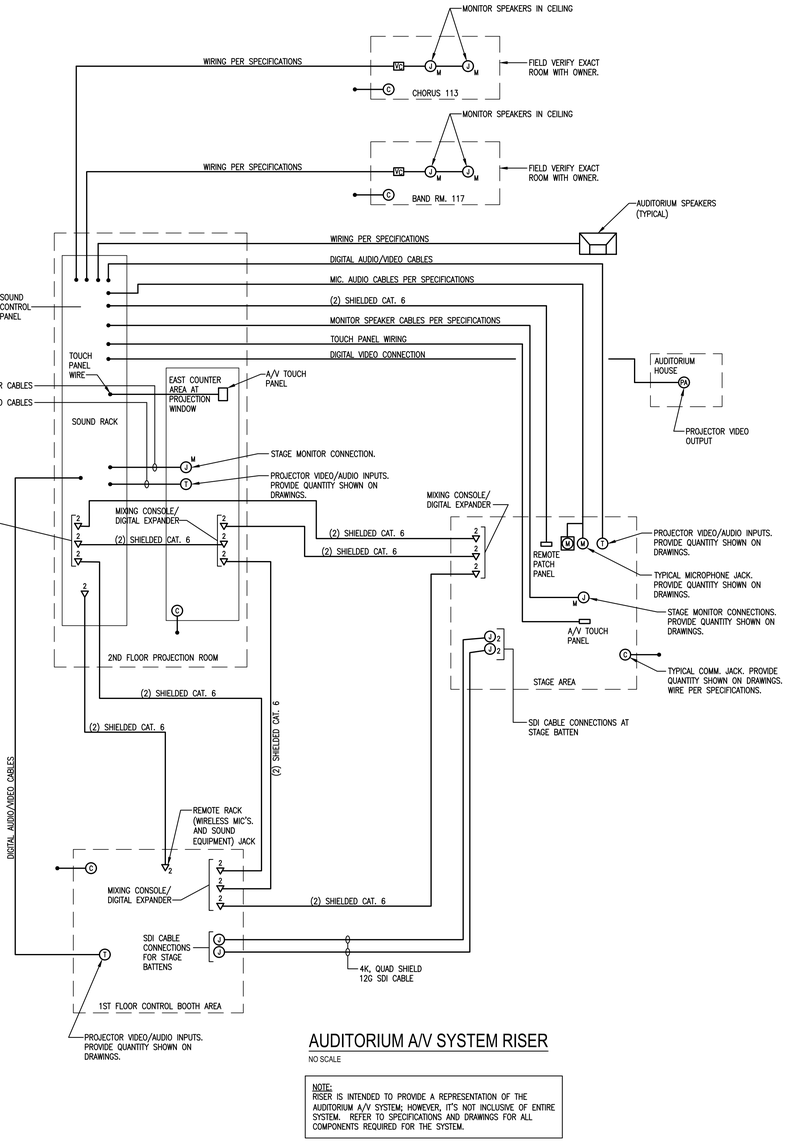


SECOND FLOOR PLAN - UNIT E - POWER

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



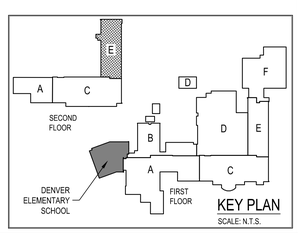
AUDITORIUM A/V SYSTEM RISER

NO SCALE

NOTE:
RISER IS INTENDED TO PROVIDE A REPRESENTATION OF THE AUDITORIUM A/V SYSTEM; HOWEVER, IT'S NOT INCLUSIVE OF ENTIRE SYSTEM. REFER TO SPECIFICATIONS AND DRAWINGS FOR ALL COMPONENTS REQUIRED FOR THE SYSTEM.

DRAWING NOTES:

1. PROVIDE DUPLEX RECEPTACLE FLUSH IN CEILING UNO FOR CEILING PROJECTOR POWER. WIRE AS INDICATED OR EXTEND EXISTING WIRING FROM CEILING PROJECTOR LOCATION IN ROOMS WHERE NOTED ON DEMOLITION DRAWINGS. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE PLENUM RATED HDMI CABLE FROM PROJECTOR TO EXISTING DISPLAY AREA DEVICE BOX. WHERE NEW LOCATION IS INDICATED, PROVIDE TO THIS LOCATION. PROVIDE CABLE LENGTH AS REQUIRED, BUT MINIMUM 35' IN LENGTH, AND SUPPORT 4K30 4:4:4 (4K60 4:2:0). AT THE DISPLAY AREA, PROVIDE KEYSTONE PLATE, HDMI KEYSTONE JACK RATED TO SUPPORT HDMI 2.2 AND HDMI 'L' ADAPTER RATED TO SUPPORT HDMI 2.2. ALL SYSTEMS MUST BE TESTED TO ENSURE FULL COMPATIBILITY AND FUNCTIONALITY. RUN IN EXISTING RACEWAY AND INSTALL IN EXISTING BOX OR PROVIDE NEW BOX AND RACEWAY AS INDICATED.
2. PROVIDE SURFACE MOUNTED DUPLEX RECEPTACLE ON BOTTOM OF STEEL BAR JOIST FOR CEILING PROJECTOR POWER AND WIRE AS INDICATED. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.
3. NEW COVER PLATE SHALL INCORPORATE ADJACENT EXISTING DUPLEX RECEPTACLE LOCATED IN SAME BOX.
4. MOUNT OUTLET IN EXISTING DUAL-CHANNEL SURFACE RACEWAY AND RUN CABLING VIA RACEWAY. PROVIDE NEW COVER PLATE FOR DEVICE TO MATCH EXISTING RACEWAY TYPE.
5. NEW COVER PLATE SHALL INCORPORATE ADJACENT EXISTING QUAD RECEPTACLE LOCATED IN SAME BOX.
6. PROVIDE NEW RACEWAY COVERS AS REQUIRED FOR EXISTING RACEWAY SECTIONS WHERE EXISTING DATA/TELEPHONE/TELEVISION OUTLETS ARE BEING REMOVED. VERIFY REQUIRED COVER LENGTHS AND RACEWAY TYPE AND MANUFACTURER IN THE FIELD PRIOR TO ORDERING EQUIPMENT.
7. COORDINATE EXACT MOUNTING LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN FOR TV MONITOR/LED SCREEN OR LED DIGITAL DISPLAY.
8. PROVIDE QUANTITY OF DATA JACKS AND CABLES (PER NUMBER INDICATED ADJACENT TO SYMBOL) IN EXISTING FLUSH FLOOR BOX OR PEDESTAL TYPE FLOOR OUTLET AS REQUIRED. RUN CABLING VIA EXISTING UNDER FLOOR CONDUIT TO RESPECTIVE DATA CLOSET. PROVIDE REQUIRED COMMUNICATION BRACKET AND 106 BEZEL WITHIN EXISTING FLOOR BOX TO ACCEPT NEW DATA JACKS. EXISTING RECEPTACLES IN FLOOR BOX AND POWER WIRING TO REMAIN. FIELD VERIFY EXISTING FLOOR BOX MANUFACTURER AND MODEL NUMBER PRIOR TO ORDERING NEW COMPONENTS.
9. PROVIDE DUAL-CHANNEL, NON-METALLIC SURFACE RACEWAY SYSTEM SIMILAR TO WIREMOLD 5400 SERIES. VERIFY COLOR OF RACEWAY WITH ARCHITECT PRIOR TO ORDERING. PROVIDE DEVICES AS SHOWN. VERIFY EXACT MOUNTING HEIGHT OF RACEWAY WITH OWNER PRIOR TO ROUGH-IN UNLESS NOTED OTHERWISE.
10. INDICATES VERTICAL RUN OF DUAL-CHANNEL SURFACE RACEWAY SYSTEM UP TO ACCESSIBLE CEILING PLENUM.
11. PROVIDE AUDIO/VISUAL NOTIFICATION DEVICE ABOVE THE LOCAL TELEPHONE, WITH ADJUSTABLE AUDIBLE LEVELS IN THE ROOM, DIRECTED TOWARDS THE CENTER OF THE ROOM. THE A/V DEVICE SHALL BE TIED INTO THE TELEPHONE SYSTEM AND OPERATE ONLY WHEN THE TELEPHONE RINGS. PROVIDE AMBER "TCU ALERT" LED LIGHT ON WALL. THE LIGHT SHALL BE TIED INTO THE INTERCOM SYSTEM AND OPERATE ONLY WHEN A PAGE OCCURS THROUGH THE INTERCOM ROOM SPEAKERS. COORDINATE INSTALLATION WITH OWNER REQUIREMENTS.
12. COORDINATE INSTALLATION OF DEVICE WITHIN EXISTING MILLWORK/CABINETRY WITH ARCHITECT PRIOR TO ROUGH-IN. RUN ALL WIRING CONCEALED WITHIN MILLWORK OVER TO EXISTING WALL CONSTRUCTION AND EXTEND OVERHEAD. SAW CUT FLOOR SLAB AS REQUIRED TO INSTALL UNDER FLOOR CONDUITS OVER TO FULL HEIGHT WALL CONSTRUCTION AND PATCH FLOOR TO MATCH ADJACENT SURFACES.
13. CONNECT TO NEAREST EXISTING 120V UNSWITCHED CORRIDOR, MECH. ROOM, OR STORAGE ROOM RECEPTACLE CIRCUIT VIA 2 #12 & #12G-3/4"C.
14. CONNECT INDOOR UNIT (DAC) TO ASSOCIATED ROOFTOP CONDENSING UNIT TERMINAL BLOCK WITH WIRING (QUANTITY AND SIZE) PER MANUFACTURER RECOMMENDATIONS IN 3/4" CONDUIT.
15. PROVIDE 9 KVA, 208V-3ø PRIMARY TO 120/208V-3ø-4W SECONDARY DRY TYPE TRANSFORMER WITH ELECTROSTATIC SHIELDING IN NEMA 1 VENTED ENCLOSURE AND MOUNT ABOVE PANEL 'AV' ON WALL. TRANSFORMER SHALL BE PROVIDED WITH PRIMARY PROTECTION. GROUND TRANSFORMER TO LOCAL STEEL STRUCTURE VIA #6 AWG GROUND WIRE.
16. DISCONNECT (1) 208 VOLT, 1-PHASE BRANCH WIRING CIRCUIT (CKT-28, 30 LABELED OUTSIDE WALL A/C UNIT) FROM EXISTING PANEL AND REMOVE WIRING BACK TO POINT ABOVE ACCESSIBLE CEILING. PROVIDE JUNCTION BOX ABOVE CEILING AS REQUIRED, SPLICE WIRING, AND EXTEND 2 #8 & #10G-3/4"C. CONCEALED TO NEW PANEL 'NC4' AND CONNECT TO 40A/2P CIRCUIT BREAKER IN PANEL.
17. RUN CIRCUIT TO PANEL INDICATED. REMOVE (1) SPARE 20A/1P CIRCUIT BREAKER IN PANEL AND PROVIDE NEW GROUND FAULT 20A/1P BREAKER IN SAME SPACE AND CONNECT CIRCUIT.
18. PROVIDE PATCH PANEL FOR ROOM KEYBOARD ELECTRONIC SYSTEM AND MOUNT ABOVE SURFACE RACEWAY BELOW WINDOW. PROVIDE (2) GROMMETED COVER PLATE OPENINGS IN COMMUNICATION SIDE OF DIVIDED SURFACE RACEWAY FOR DATA CABLE ACCESS (PASS-THRU) TO PATCH PANEL.
19. CONNECT TO EXISTING ROOM RECEPTACLE CIRCUIT AS REQUIRED.
20. E.C. TO PROVIDE DEVICE BOX, PER MANUF. REQUIREMENTS, FOR WINDOW SHADE CONTROL SWITCH. E.C. TO INSTALL CONTROL SWITCH FURNISHED BY MANUFACTURER. E.C. TO PROVIDE LOW VOLTAGE CONTROL CABLE PER MANUF. REQUIREMENTS FROM CONTROL SWITCH TO EACH MOTOR CONTROL CONTROL SPLITTER. SPLITTER FURNISHED BY MANUF. AND INSTALLED BY E.C. ABOVE ACCESSIBLE CEILING. E.C. TO INSTALL LOW VOLTAGE MOTOR CONTROL LEAD PATCH CABLE, FURNISHED BY MANUFACTURER, BETWEEN EACH CONCEALED SPLITTER AND LOW VOLTAGE MOTOR LEAD COUPLER. COORDINATE ALL WORK WITH G.C. & WINDOW SHADE MANUFACTURER.



KEY PLAN

SCALE: N.T.S.

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SECOND FLOOR PLAN - UNIT E - POWER

RENOVATIONS TO THE COCALICO MIDDLE SCHOOL

COCALICO SCHOOL DISTRICT

SOUTH 4TH STREET, DENVER BOROUGH, LANCASTER COUNTY PA

All DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

JOB NO.: 23001.00
DRAWN BY: DS
DATE: 04.12.24

E-E4