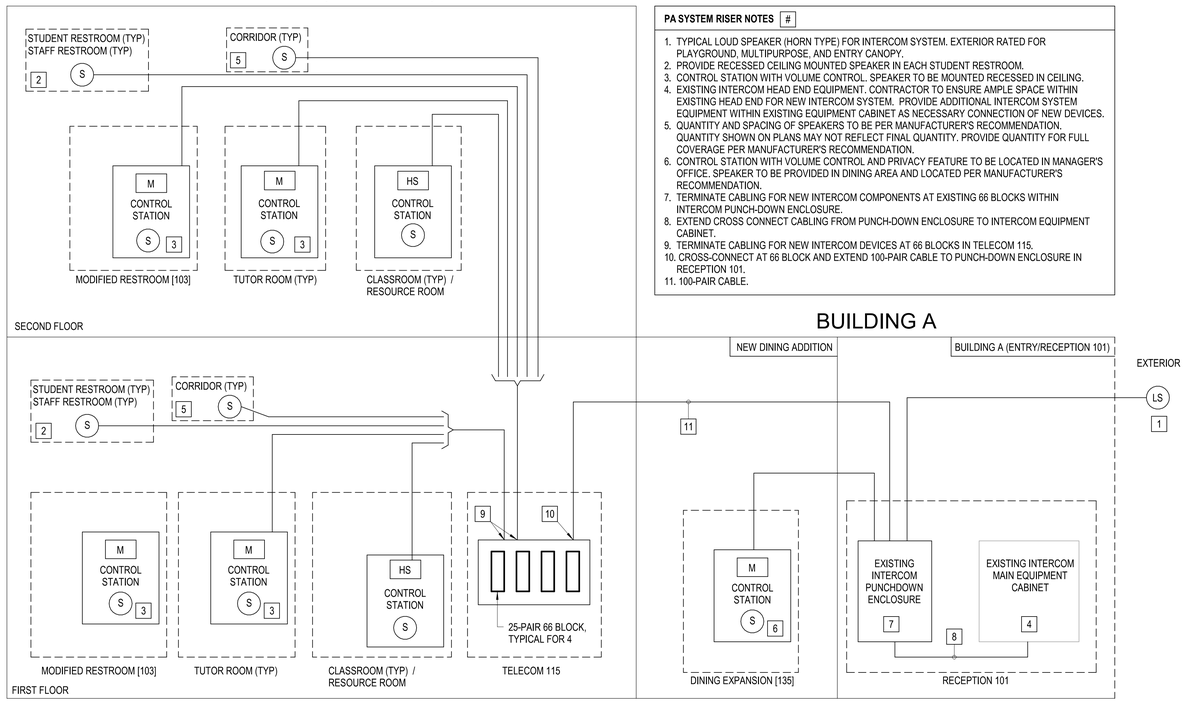
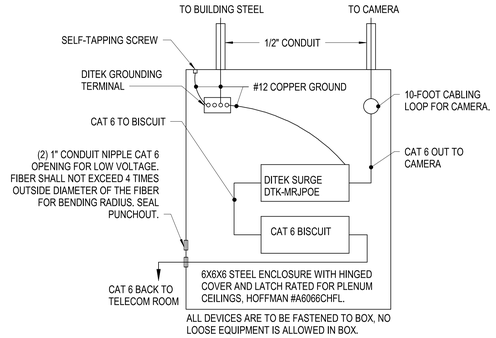


PA SYSTEM RISER NOTES #

1. TYPICAL LOUD SPEAKER (HORN TYPE) FOR INTERCOM SYSTEM. EXTERIOR RATED FOR PLAYGROUND, MULTIPURPOSE, AND ENTRY CANOPY.
2. PROVIDE RECESSED CEILING MOUNTED SPEAKER IN EACH STUDENT RESTROOM.
3. CONTROL STATION WITH VOLUME CONTROL. SPEAKER TO BE MOUNTED RECESSED IN CEILING.
4. EXISTING INTERCOM HEAD END EQUIPMENT. CONTRACTOR TO ENSURE AMPLE SPACE WITHIN EXISTING HEAD END FOR NEW INTERCOM SYSTEM. PROVIDE ADDITIONAL INTERCOM SYSTEM EQUIPMENT WITHIN EXISTING EQUIPMENT CABINET AS NECESSARY CONNECTION OF NEW DEVICES.
5. QUANTITY AND SPACING OF SPEAKERS TO BE PER MANUFACTURER'S RECOMMENDATION. QUANTITY SHOWN ON PLANS MAY NOT REFLECT FINAL QUANTITY. PROVIDE QUANTITY FOR FULL COVERAGE PER MANUFACTURER'S RECOMMENDATION.
6. CONTROL STATION WITH VOLUME CONTROL AND PRIVACY FEATURE TO BE LOCATED IN MANAGER'S OFFICE. SPEAKER TO BE PROVIDED IN DINING AREA AND LOCATED PER MANUFACTURER'S RECOMMENDATION.
7. TERMINATE CABLING FOR NEW INTERCOM COMPONENTS AT EXISTING 66 BLOCKS WITHIN INTERCOM PUNCH-DOWN ENCLOSURE.
8. EXTEND CROSS CONNECT CABLING FROM PUNCH-DOWN ENCLOSURE TO INTERCOM EQUIPMENT CABINET.
9. TERMINATE CABLING FOR NEW INTERCOM DEVICES AT 66 BLOCKS IN TELECOM 115.
10. CROSS-CONNECT AT 66 BLOCK AND EXTEND 100-PAIR CABLE TO PUNCH-DOWN ENCLOSURE IN RECEPTION 101.
11. 100-PAIR CABLE.

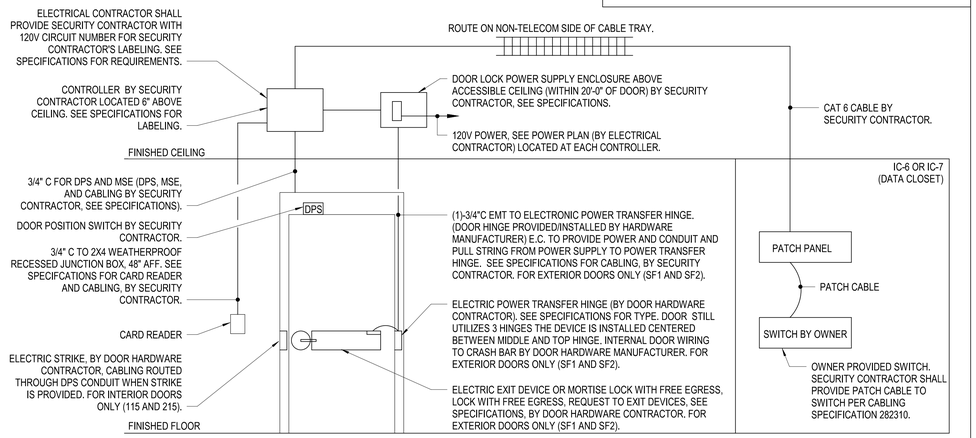
(C1) INTERCOM SYSTEM RISER DIAGRAM
NO SCALE



(E4) ABOVE CEILING BOXES FOR SURGE DEVICE
NO SCALE

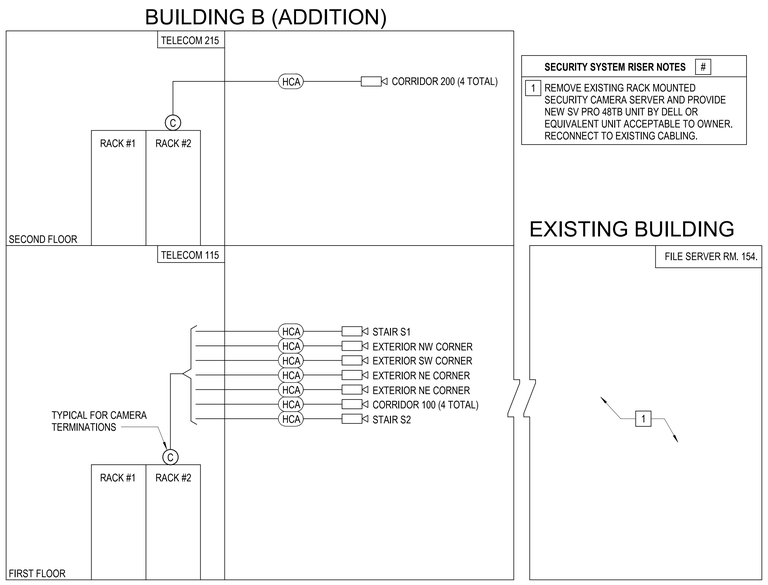
GENERAL NOTES

1. HEADEND EQUIPMENT LOCATED IN ENTRY/RECEPTION OFFICE BEHIND RECEPTION DESK.
2. INTERCOM SYSTEM TO BE CAPABLE OF VOLUME CONTROL AND PRIVACY SWITCH FEATURES, UON.
3. SYSTEM TO BE INSTALLED BY A CERTIFIED NORTH CAROLINA ALARM & SECURITY INSTALLER.
4. ALL DEVICE LOCATIONS ARE APPROXIMATE AND SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. FINAL POSITION TO BE DETERMINED BY SUCCESSFUL CERTIFIED CONTRACTOR AND OWNER.
5. ALL DOORS, THEIR METHODS OF SECURING, OPENING AND CLOSING WILL BE APPROVED BY THE CONSULTANT AND CLIENT PRIOR TO INSTALL.
6. ALL DOOR HARDWARE AND LOCKSET INSTALLATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND THE DOOR HARDWARE PROVIDER.
7. ALL ACCESS CONTROL DEVICES SHALL BE INSTALLED PER THE NC BUILDING CODE, THE NFPA LIFE SAFETY CODE AND ANY OTHER SUCH CODE HAVING JURISDICTION AS WELL AS IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).THESE CODES AND AUTHORITIES SUPERSEDE THESE DESIGN GUIDELINES AND SHALL BE INSTALLED PER THEIR SPECIFICATIONS. ANY DEVIANCE FROM THE ABOVE MENTIONED SPECIFICATIONS AND AUTHORITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. ALL CAMERA DOMES TO BE A SMOKED VANDAL-RESISTANT LENS. NO CLEAR LENS ARE PERMITTED.
9. PROVIDE CAMERAS WITH MOUNTS BASED UPON ATTACHMENT AND FIELD OF VIEW.



NOTES:
1. CABLING MANUFACTURER SHALL MATCH THE NEW TELECOM CONTRACTOR CABLING AS PART OF THE PROJECT SCOPE. MIXING CABLING MANUFACTURERS WILL BE REJECTED.
2. SEE DOOR SCHEDULE ON ARCHITECTURAL PLANS FOR LOCK TYPES. ELECTRIC STRIKE OPTION NOT REQUIRED WHERE EXIT DEVICE OR MORTISE DEVICE IS ELECTRIFIED.
3. DETAIL IS TYPICAL FOR EACH DOOR. SEE PLANS FOR LOCATIONS.
4. E.C. SHALL PROVIDE ALL PATHWAYS FOR SYSTEM. E.C. SHALL PROVIDE ALL JUNCTION BOXES FOR SYSTEM UNLESS OTHERWISE NOTED.
5. ALL PATHWAYS AND JUNCTIONS BY E.C. UNLESS OTHERWISE NOTED. WHERE STOREFRONT APPLICATIONS ARE PROVIDED, E.C. TO PROVIDE FLEXIBLE CONDUIT IN MULLION FOR S.C. CABLING.

(B4) TYPICAL SINGLE DOOR WITH CARD READER
NO SCALE



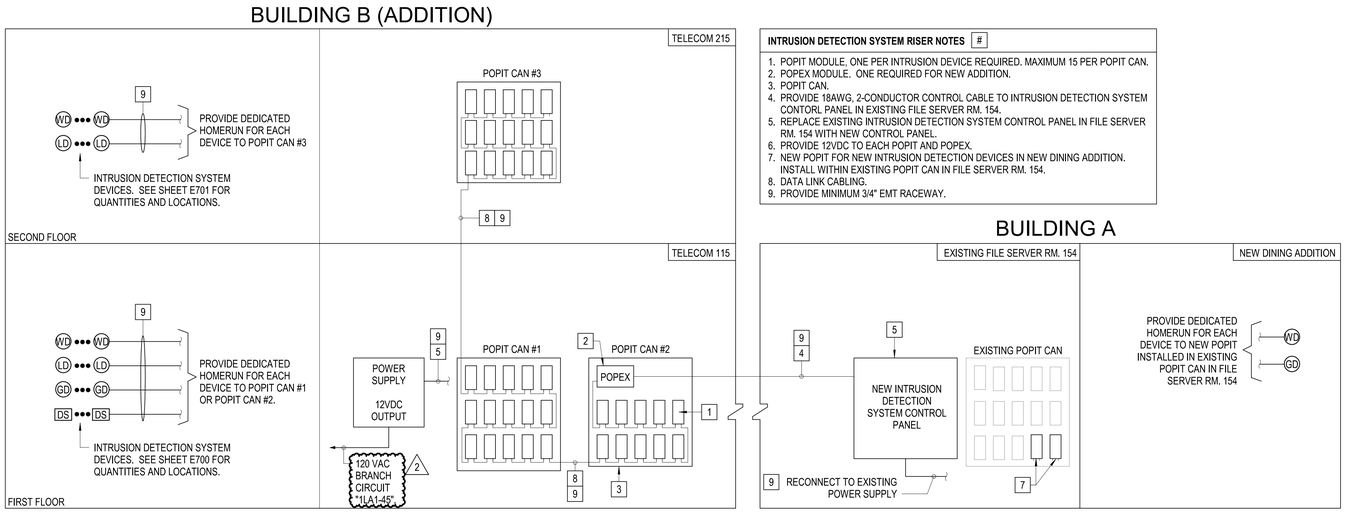
SECURITY SYSTEM RISER NOTES #

1. REMOVE EXISTING RACK MOUNTED SECURITY CAMERA SERVER AND PROVIDE NEW SV PRO 48TB UNIT BY DELL OR EQUIVALENT UNIT ACCEPTABLE TO OWNER. RECONNECT TO EXISTING CABLING.

SECURITY SYSTEM CABLING AND TERMINATION LEGEND	
SYMBOL	DESCRIPTION
C	CATEGORY 6 TERMINATION AT DEDICATED SECURITY CAMERA PATCH PANEL IN RACK #2.
HCA	CATEGORY 6 HORIZONTAL CABLING FOR SECURITY CAMERA.

NOTE: REFER TO EQUIPMENT RACK ELEVATION ON T800 FOR PATCH PANEL LOCATIONS.

(C2) SECURITY SYSTEM RISER DIAGRAM
NO SCALE



INTRUSION DETECTION SYSTEM RISER NOTES #

1. POPIT MODULE, ONE PER INTRUSION DEVICE REQUIRED. MAXIMUM 15 PER POPIT CAN.
2. POPEX MODULE. ONE REQUIRED FOR NEW ADDITION.
3. POPIT CAN.
4. PROVIDE 18AWG, 2-CONDUCTOR CONTROL CABLE TO INTRUSION DETECTION SYSTEM CONTORL PANEL IN EXISTING FILE SERVER RM. 154.
5. REPLACE EXISTING INTRUSION DETECTION SYSTEM CONTROL PANEL IN FILE SERVER RM. 154 WITH NEW CONTROL PANEL.
6. PROVIDE 12VDC TO EACH POPIT AND POPEX.
7. NEW POPIT FOR NEW INTRUSION DETECTION DEVICES IN NEW DINING ADDITION. INSTALL WITHIN EXISTING POPIT CAN IN FILE SERVER RM. 154.
8. DATA LINK CABLING.
9. PROVIDE MINIMUM 3/4" EMT RACEWAY.

(C3) INTRUSION DETECTION SYSTEM RISER DIAGRAM
NO SCALE

SHARON ELEMENTARY SCHOOL ADDITION
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cms Charlotte-Mecklenburg Schools

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TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.
2030 TRYON STREET, STE 3C
CHARLOTTE, NC 28203
T: 704.376.1073

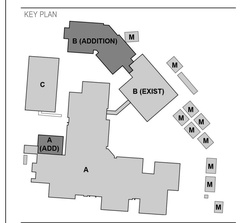
PROFESSIONAL SEAL
NORTH CAROLINA SEAL 021538 ENGINEER PATRICK J. ROSE
2020.03.30 16:00:26-04'00'

SUBMITTAL
FEBRUARY 19, 2020
FOR CONSTRUCTION ONLY

REVISIONS

1	03/24/20	ADDENDUM #1
2	03/30/20	REVIEW CYCLE 2 /ADDENDUM #2

KEY PLAN



SHEET
SPECIAL SYSTEMS RISER AND DETAILS

E507

DESIGN: JAR/FAJ
DRAWN: JAR/FAJ
REVIEW: PJR

CN 8418

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