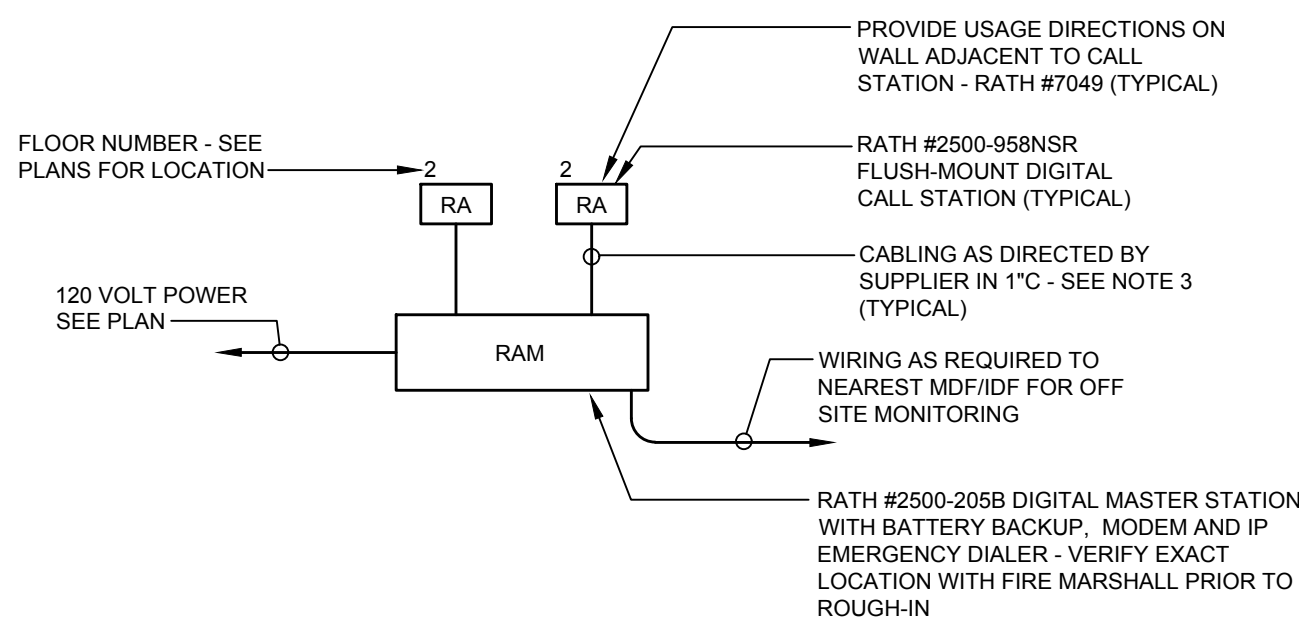
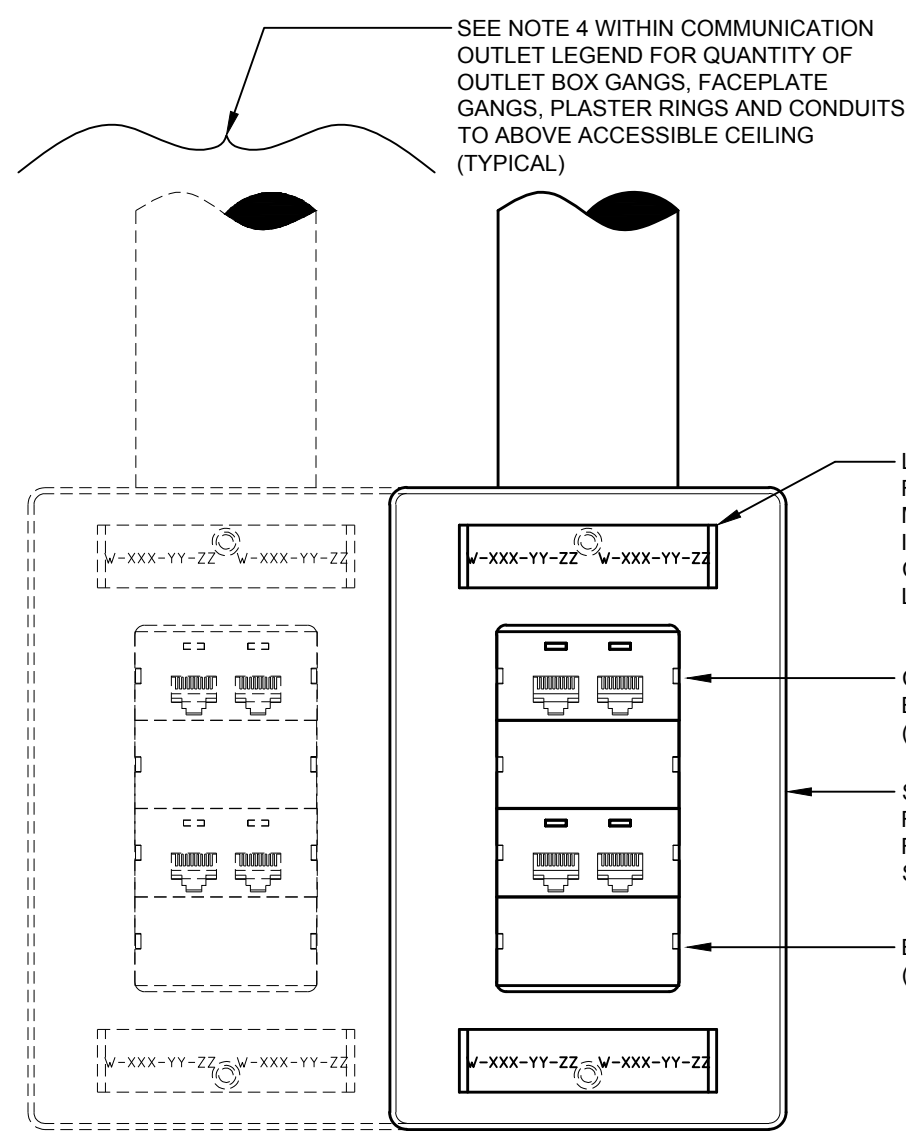




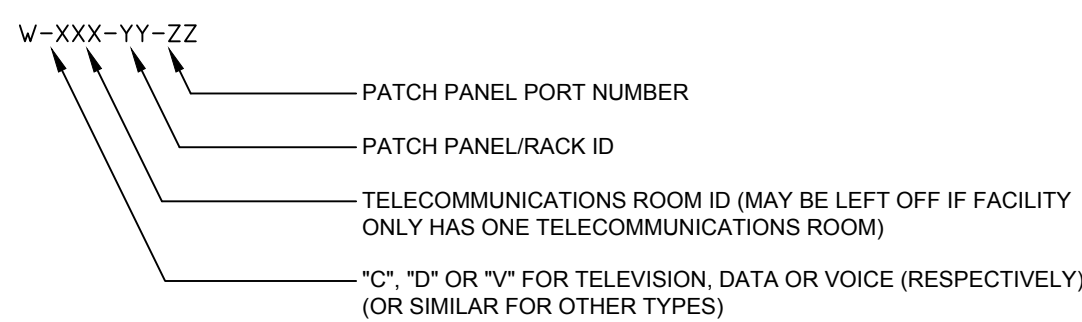
TWO-WAY ELEVATOR LOBBY RESCUE ASSISTANCE COMMUNICATION SYSTEM RISER DIAGRAM

SCALE : NONE

TWO-WAY ELEVATOR LOBBY COMMUNICATION SYSTEM NOTES	
1.	EQUIPMENT SUPPLIER SHALL SUBMIT A COMPLETE SET OF RESCUE ASSISTANCE COMMUNICATION SYSTEM SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
2.	COORDINATE WITH OWNER IN REGARD TO ACQUISITION OF DEDICATED PHONE LINE (IP BASED) FROM UTILITY. OFF-SITE MONITORING SERVICE SHALL BE IN OPERATION PRIOR TO ACCEPTANCE TEST.
3.	ALL CABLING SHALL MEET REQUIREMENTS FOR PATHWAY SURVIVABILITY. CABLING BETWEEN BUILDINGS OR PASSING THROUGH FIRE WALLS SHALL BE LISTED FOR 2-HOUR FIRE RATINGS.



COMMUNICATION OUTLET ELEVATION

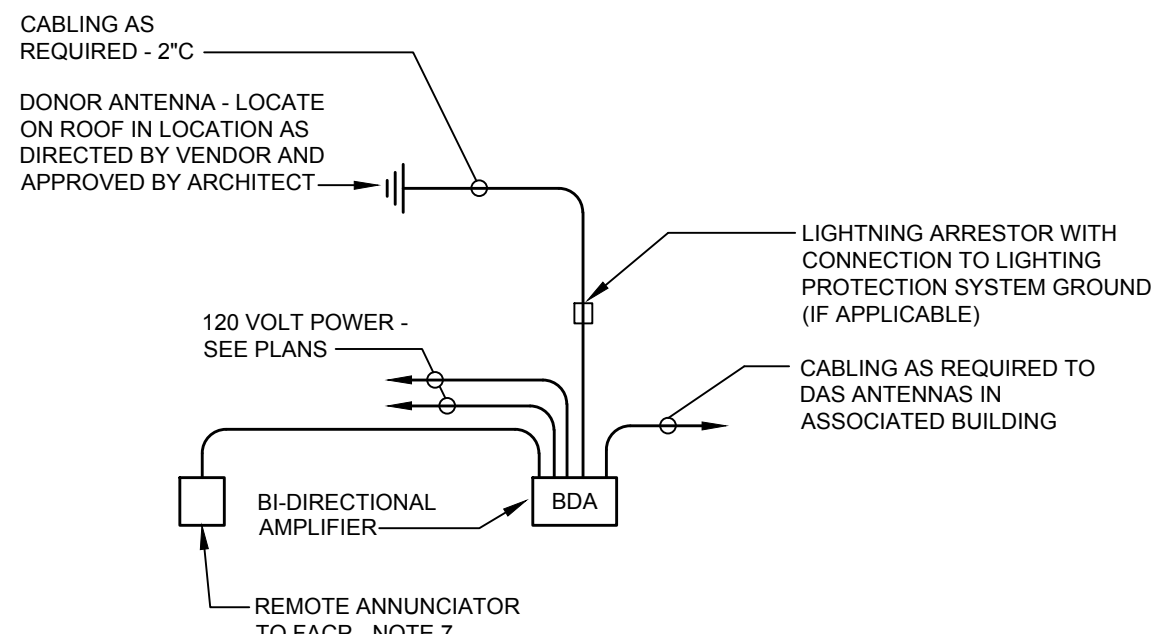


COMMUNICATION JACK/CABLE LABELING SCHEME

DETAIL "E-CO" COMMUNICATION OUTLET

SCALE : NONE

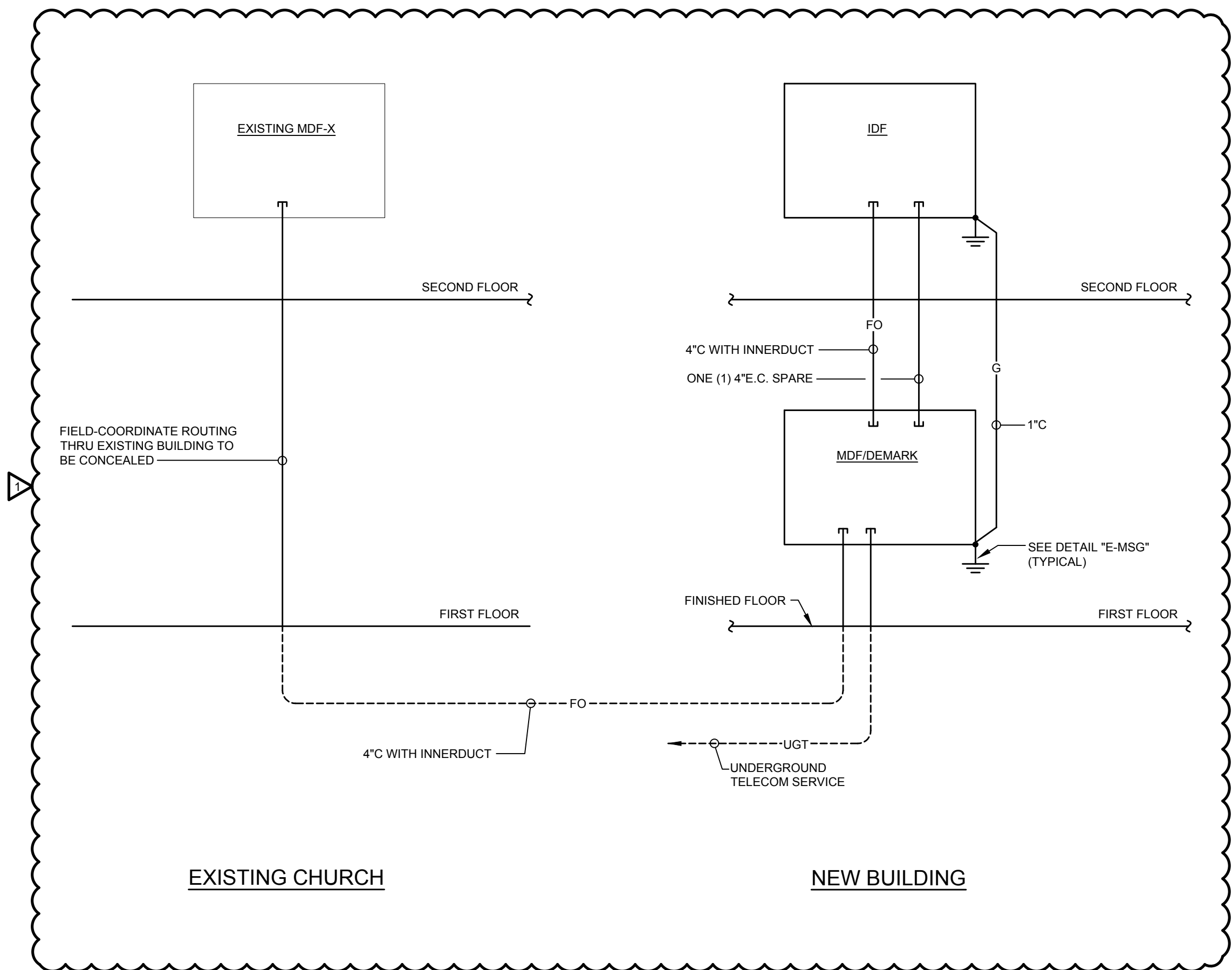
COMMUNICATION OUTLET LEGEND				
JACK ID(S) SHOWN ON PLANS	JACK TYPE(S)	ASSOCIATED HOMERUN CABLING FROM JACK (SEE NOTE 3 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
"D"	RJ45 DATA JACK(S)	CAT6A DATA CABLE(S)	NEAREST DATA PATCH PANEL	
NOTES:				
1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES.				
2. ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED.				
3. THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS:				
1-2 JACKS: 1-GANG OUTLET BOX WITH 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).				
3-4 JACKS: 2-GANG OUTLET BOX WITH 1-GANG PLASTER RING, 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).				
5-8 JACKS: 3-GANG OUTLET BOX WITH 2-GANG FACEPLATE AND TWO 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).				
9-12 JACKS: 3-GANG OUTLET BOX WITH 3-GANG FACEPLATE AND THREE 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).				
4. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.				
5. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 6 INCHES FROM THE ADJACENT POWER OUTLET.				



EMERGENCY RESPONDER RADIO COVERAGE SYSTEM RISER DIAGRAM

SCALE : NONE

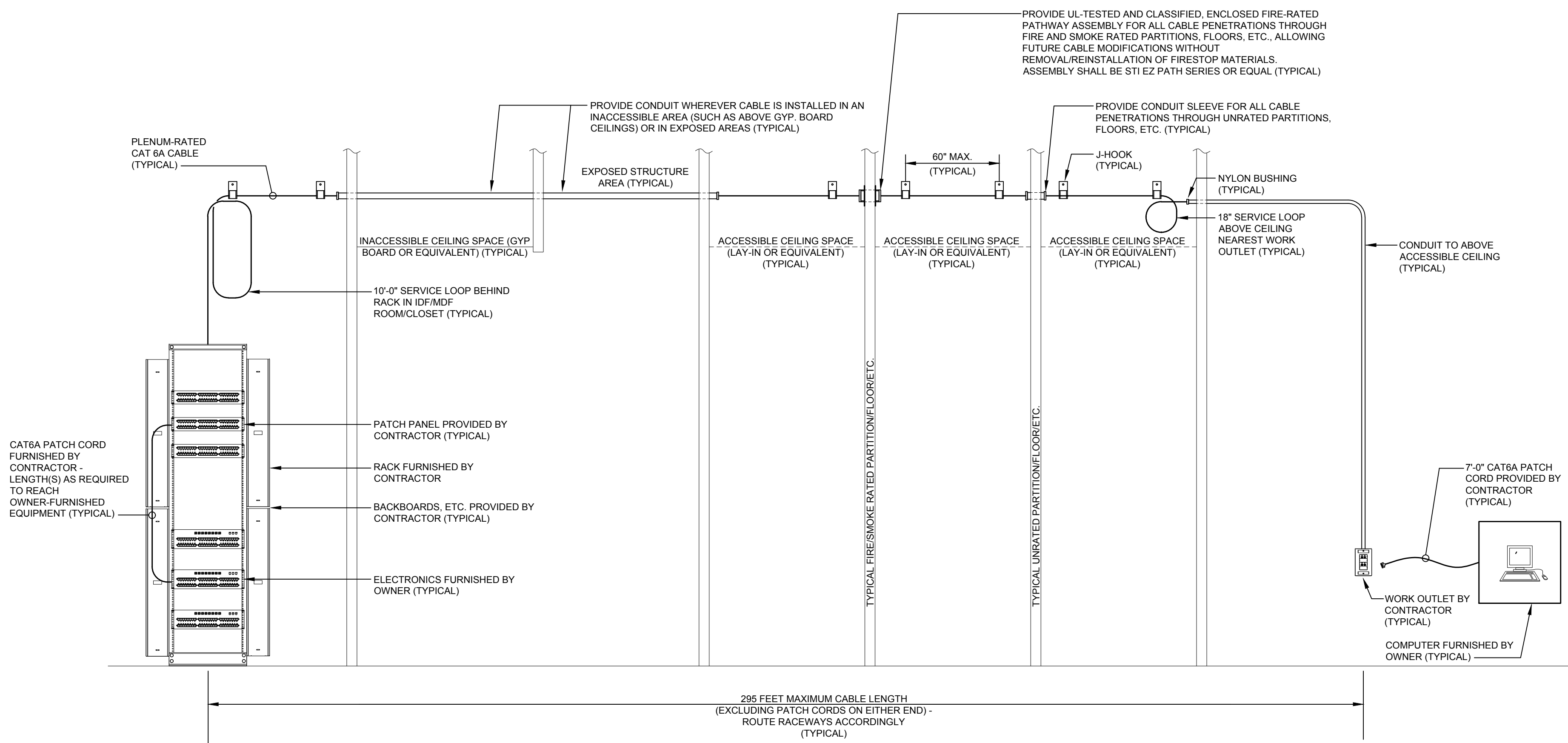
EMERGENCY RESPONDER RADIO SYSTEM NOTES	
1.	REFER TO "ELECTRICAL ALLOWANCES" AND SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2.	DIAGRAM DEMONSTRATES BASIC SYSTEM RISER ONLY. EXACT SYSTEM LAYOUT AND COMPONENTS SHALL BE AS DETERMINED BY SUPPLIER. SUBJECT TO SUBMITTAL REVIEW. CONTRACTOR SHALL PROVIDE ALL SYSTEM CONNECTIONS, DEVICES, CABLING, ETC. AS REQUIRED FOR A COMPLETE SYSTEM.
3.	ALL CABLING SHALL MEET APPLICABLE REQUIREMENTS FOR PATHWAY SURVIVABILITY.
4.	PROVIDE WIRING AS REQUIRED TO ALL SYSTEM DEVICES. CABLING MAY BE RUN EXPOSED WITHIN CABLE TRAY OR BY WAY OF J-HOOKS OR SUPPORT RINGS 5'-0" ON CENTER IN ALL AREAS WITH ACCESSIBLE CEILING. CABLING SHALL BE INSTALLED IN PROPERLY SIZED CONDUIT IN ALL AREAS WITH HARD CEILING AND WHERE ROUTED IN WALLS. PROVIDE PLASTIC END BUSHING ON ALL ABOVE CEILING CONDUIT TERMINATIONS.
5.	EXACT QUANTITIES/LOCATIONS OF ALL DAS ANTENNAS SHALL BE DETERMINED BY THE EQUIPMENT SUPPLIER FOR REQUIRED COVERAGE.
6.	PROVIDE 120V DEDICATED CIRCUITS AS REQUIRED.
7.	VERIFY LOCATION OF ANNUNCIATOR WITH FIRE MARSHAL PRIOR TO ROUGH-IN.
8.	CONNECT TO FIRE ALARM SYSTEM TO MONITOR BDA ANTENNA FAILURE, TROUBLE, POWER LOSS, CHARGER TROUBLE AND LOW BATTERY STATUS.
9.	PROVIDE BATTERY FOR BACKUP POWER SIZED FOR A MINIMUM OF 12 HOURS OF OPERATION.



STRUCTURED CABLING BACKBONE RISER DIAGRAM

SCALE : NONE

DIAGRAM NOTES	
1.	BACKBONE CABLING IS AS FOLLOWS FO - 12-STRAND MULTIMODE FIBER BACKBONE. G - #40 GROUNDING CONDUCTOR. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2.	INSTALL ALL BACKBONE CABLING IN CONDUIT WITH INNERDUCT.
3.	THE EQUIPMENT WITHIN EACH MDF AND IDF SHALL BE BONDED TO THE SUPPLEMENTAL GROUND BUS IN ACCORDANCE WITH THE STRUCTURED CABLING SPECIFICATIONS, EQUIPMENT SUPPLIERS DIRECTION AND CODE REQUIREMENTS.



DETAIL "E-SCH" - STRUCTURED CABLING HORIZONTAL TYPICAL WIRING DIAGRAM

SCALE : NONE