

Invitation for Bid No. 2021-090

Union County Structured Cabling & Audio Visual

ADDENDUM No. 1

ISSUE DATE: July 23, 2021

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

Union County, Owner

Union county Structured Cabling and Audio Visual

Project No.: 2021-090 Contract Document Date: June 14, 2021 Issue to: Bidders Addendum Date: July 23, 2021

A. NOTICE TO BIDDER

- 1.1 This Addendum is issued pursuant to the Conditions of the Contract and is hereby made part of the Contract Documents. The addendum serves to clarify, revise, and supersede information in the Project Manual, the Drawings, and previously issued Addenda. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form. Failure to do so may subject the Bidder to disgualification. A list of attachments, if any, is part of this document.
- 1.2 The date for receipt of bids for this project is changed by this Addendum to August 12, 2021. Sealed Bids for Union County Structured Cabling and Audio Visual will be received by the Union County Procurement Department *until* *11:00 AM local time on August 12, 2021 at the Union County Government Center, 500 N. Main Street, Suite 709, Monroe, NC 28112. The public bid opening will be conducted outdoors, in front entrance area of the Union County Government Center address listed above at the specified date and time. Late bids will not be accepted
- 1.3 The date for receipt of Requests for information for this project is changed by this Addendum to August 2, 2021 at 5:00 PM. The contact for the Requests for Information is unchanged.

B. RESPONSES TO QUESTIONS FROM POTENTIAL BIDDERS

- 1.4 Question #1: Could you confirm if you are requiring a General Contractors license or a Low Voltage Electrical License? Response as follows:
 - a) A General Contracting License is not required to submit a bid and a Low Voltage License is required.
- 1.5 Question #2: This project only covers the cabling and av systems, but the access control and security cameras components are listed on some of the drawings. Are they also in the scope of this project? If not, are they going to be handled in a later phase? Response as follows:
 - a) The successful bidder shall provide the cable, installation and terminations for the camera locations. The terminations shall be for testing purposes.
 - b) The devices (cameras and access control devices) are NOT included in the scope of the work.
 - c) The devices (cameras and access control devices) will NOT be a future phase.
- 1.6 Question #3: How do we arrange a site survey? Response as follows:
 - a) Two of the three projects (Sheriff's Office and Emergency Services Complex) which comprise the scope of work are currently under construction. The Sheriff's Office has progressed to topping out the steel but no framing has begun to date. The Emergency Services Complex is beginning foundations. The Southwest Regional Library has not begun construction to date.
- 1.7 Question #4: What sizes are the displays and video wall you are looking for and is there a preference in brand? Response as follows:
 - a) The description below is the basis of design.
 - b) Two video walls are required for the Emergency Services Complex. One in the EOC and one in 911. Each video wall shall have its own processor
 - 1) 911: Planar Direct View LED, 1.5 pixel pitch, 5 x 5 unit.
 - 2) EOC: Planar Direct View LED, 1.5 pixel pitch, 8 x 8 unit.
 - 3) Inputs to Processor: 16 separate feeds.
 - 4) Controller Location:
 - (a) 911: Adjacent to managers raised area.
 - (b) EOC: Along the dais near the center of the video wall.

- 5) Auxiliary Input:
 - (a) EOC: Planar Direct View LED, 1.5 pixel pitch, 8 x 8 unit
- c) One video wall for the sheriff's Office located in the Community Room
 - 1) Community Room: Planar Direct View LED, 1.5 pixel pitch, 5 x 5 unit
- d) One video wall for the sheriff's Office located in the Community Room
- 1.8 Question #5: How many rooms total are you looking to outfit? Response as follows:
 - a) Two Video walls in the Emergency Services Complex and one in the Sheriff's office.
 - b) The conference rooms are shown in the bidding documents
 - c) The locations of wall mounted TV's are illustrated in the bidding documents.
- 1.9 Question #6: Is there a basis of design for the Video Management System/CCTV systems at these sites? Response as follows:
 - a) See question #3 response.
- 1.10 Question #7: Will you be reusing any cameras or VMS equipment at any of these locations? Response as follows:
 - a) See question #1 response.
- 1.11 Question #8: Is AIA software required for submission of the Applications for Payment? Response as follows:
 - a) The use of AIA software for preparation of the applications for payment is not required. The submitted form must provide the same information and layout as AIA G702 and G703. The remainder of the requirements for application for payment are unchanged.
- 1.12 Question #9: What if the level of connectivity between the buildings in the scope of work? Response as follows:
 - a) The connectivity between the three buildings in this scope of work is limited to the County infrastructure. No additional connectivity is required.
- C. MODIFICATIONS TO PROJECT MANUAL
 - 1.13 SECTION 00 41 13 BID FORM: Revised as follows:
 - a) Unit pricing for video walls added:
 - 1) "8 x 8 unit"
 - 2) "5 x 5" unit
- D. MODIFICATIONS TO DRAWINGS
 - 1.14 This Addendum includes the attached full sheets:
 - a) Telecommunications Sheet TE101 (ESC), (Revision
 - 1) Added directions to Keyed Note #2.
 - 2) Edited Keyed Note #5.
 - 3) Added directions to Keyed Note 1.
 - 4) Added General Note (K).
 - 5) Adjusted conduit pathways.

- b) Telecommunications Sheet TE101 (ESC), (Revision 1).
 - 1) Removed Keyed Note #1.
 - 2) Added subscript to elevated Data Port in Mech 156.
 - 3) Removed all Wall Plated (WP) symbols from Telecom Plans.
- c) Telecommunications Sheet TE201 (SO), (Revision 1).
 - 1) Removed all Wall Plated (WP) symbols from Telecom Plans.
 - 2) Removed projector from Training Room 1400.
 - 3) Removed Keyed Note #3.
 - 4) Added video wall text to Training Room 1400.
- d) Telecommunications Sheet TE202 (SO), (Revision 1)).
 - Removed all Wall Plated (WP) symbols from Telecom Plans.
- e) Telecommunications Sheet TE301, (Revision 1).
 - 1) Removed all Wall Plated (WP) symbols from Telecom Plans.
- f) Audio Visual Sheet AV001 (SO), (Revision 1).
 - 1) Modified Wall Plated (WP) description.
- g) Audio Visual Sheet AV403 (SO), (Revision 1).
 - Modified Enlarged Plans #1and #2.
- h) Audio Visual Sheet AV404 (SO), (Revision 1).
 - 1) Modified Enlarged Plans #1and #2
- i) Audio Visual Sheet AV501 (SO), (Revision 1).
 - 1) Removed Projector from Training Room 1400.
 - 2) Added Video Wall text to Training Room 1400.
 - 3) Adjusted and Modified AV Line Diagram #4
 - 4) Removed Keyed Note #11.

E. ATTACHMENTS

- 1.15 This Addendum includes the attached full sheets:
 - a) Telecommunications Sheet TE101 (ESC), (Revision
 - b) Telecommunications Sheet TE101 (ESC), (Revision 1).
 - c) Telecommunications Sheet TE201 (SO), (Revision 1).
 - d) Telecommunications Sheet TE202 (SO), (Revision 1).
 - e) Telecommunications Sheet TE301, (Revision 1).
 - f) Audio Visual Sheet AV001 (SO), (Revision 1).
 - g) Audio Visual Sheet AV403 (SO), (Revision 1).
 - h) Audio Visual Sheet AV404 (SO), (Revision 1).
 - i) Audio Visual Sheet AV501 (SO), (Revision 1).

END OF ADDENDUM

SYMBOLS: <u>SYMBOL</u> <u>DESCRIPTION</u> DISPLAY CONNECTION WITH NETWORK AND QUAD POWER. ELECTRICAL CONTRACTOR SHALL PROVIDE WALL BOX, 1.25" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FOR NETWORK CABLING, 0.75" CONDUIT FOR POWER AND QUAD RECEPTACLE. REFER TO DISPLAY DETAIL. DISPLAY CONNECTION WITH NETWORK, QUAD POWER AND AV. ELECTRICAL CONTRACTOR SHALL PROVIDE RECESSED AV WALL BOX, 2" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FOR NETWORK AND AV CABLING, 0.75" CONDUIT FOR POWER AND QUAD RECEPTACLE. REFER TO AV DISPLAY DETAIL. DISPLAY CONNECTION WITH NETWORK, QUAD POWER AND AV. ELECTRICAL CONTRACTOR SHALL PROVIDE RECESSED AV WALL BOX, 2" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FOR NETWORK AND AV CABLING, 2" CONDUIT TO ASSOCIATED WALL PLATE FOR AV CABLING, 0.75" CONDUIT FOR POWER AND QUAD RECEPTACLE. REFER TO AV DISPLAY WITH WALL PLATE DETAIL. DISPLAY CONNECTION WITH NETWORK, QUAD POWER AND AV. ELECTRICAL CONTRACTOR SHALL PROVIDE RECESSED AV WALL BOX, 2" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE FOR NETWORK AND AV CABLING, 2" CONDUIT TO ASSOCIATED FLOOR BOX FOR AV CABLING, 0.75" CONDUIT FOR POWER AND QUAD RECEPTACLE. REFER TO AV DISPLAY WITH FLOOR BOX DETAIL. _ AV INPUT WALL PLATE CONNECTION. ELECTRICAL CONTRACTOR SHALL PROVIDE 2-GANG JUNCTION BOX WITH 2" CONDUIT TO DISPLAY CONNECTION OR ACCESSIBLE CEILING SPACE. RECESSED INTERCOM SPEAKER. (SOUTHWEST REGIONAL LIBRARY ONLY) PENDANT INTERCOM SPEAKER. (SOUTHWEST REGIONAL LIBRARY ONLY) RECESSED SOUND REINFORCEMENT SPEAKER. PENDANT SOUND REINFORCEMENT SPEAKER. CONDUIT/SLEEVE. 2" UNLESS OTHERWISE NOTED. RUNWAY LADDER CABLE TRAY IN TELECOMMUNICATIONS ROOMS. WIRE MESH CABLE TRAY. (SOLID LINE TYPE INDICATES INSTALLATION IN ACCESSIBLE CEILING SPACE AND DASHED LINE TYPE INDICATES INSTALLATION IN RAISED FLOOR. TWO-POST EQUIPMENT RACK WITH VERTICAL WIRE MANAGEMENT. PROVIDED BY TELECOMMUNICATIONS CONTRACTOR. FOUR-POST EQUIPMENT RACK WITH VERTICAL WIRE MANAGEMENT. PROVIDED BY 3/4" FIRE-RATED AC PLYWOOD WITH TWO COATS OF FIRE RETARDANT LIGHT-COLORED PAINT ON ALL SIDES. STAMP SHALL BE VISIBLE. MOUNT 8" AFF WITH GRADE A SURFACE EXPOSED. SECONDARY BONDING BAR. DRAWING NOTE

GENERAL NOTES:

- A. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT NETWORK OUTLET LOCATIONS.
- B. COORDINATE LOCATIONS OF CEILING MOUNTED DEVICES (WIRELESS ACCESS POINTS, SPEAKERS, CABLE TRAY, ETC) WITH ALL OTHER TRADES (ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, TECHNOLOGY, ETC).
- C. ANY DIRECTION GIVEN IN THE FIELD THAT DEVIATES FROM THE CONSTRUCTION DOCUMENTS MUST BE DOCUMENTED AND VERIFIED WITH THE ENGINEER.
- D. PROVIDE ALL REQUIRED HARDWARE FOR A COMPLETE OPERATIONAL INSTALLATION.
- E. ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED. WHERE CONDUITS ARE TO BE INSTALLED IN EXPOSED CEILINGS, CONDUITS SHALL BE INSTALLED TIGHT TO STRUCTURE AND PAINTED TO MATCH ADJACENT SURFACE.
- F. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN (2) 90° BENDS, OR EQUIVALENT BETWEEN PULL POINTS. PROVIDE JUNCTION BOX SIZED PER NEC OR AS INDICATED.
- G. NO SECTION OF CONDUIT SHALL BE LONGER THAN 100'-0" BETWEEN PULL POINTS. PROVIDE JUNCTION BOX
- SIZED PER NEC OR AS INDICATED.

H. ALL 2" AND LARGER CONDUITS SHALL BE LABELED ON BOTH ENDS INDICATING DESTINATION LOCATION.

- I. ALL JUNCTION BOXES MOUNTED IN EXTERIOR WALLS SHALL BE WEATHERPROOF AND GASKETED.
- J. ELECTRICAL CONTRACTOR SHALL PROVIDE PULLSTRINGS (INTERIOR) OR MULE TAPE (EXTERIOR) FOR ALL CONDUITS TO BE UTILIZED FOR LOW VOLTAGE SYSTEMS.
- K. ELECTRICAL CONTRACTOR SHALL MAINTAIN FIRE RATINGS OF WALLS, PARTITIONS, FLOORS OR CEILINGS PER NEC & IBC WHEN INSTALLING RECESSED BOXES. BOXES IN RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE NOT LESS THAN 24". THE HORIZONTAL DISTANCE MAY BE REDUCED, BUT SHALL NOT BE LESS THAN THE DEPTH OF THE WALL CAVITY, WHERE FILLED WITH CELLULOSE LOOSE FILL, ROCKWOOL OR SLAG MINERAL WOOL INSULATION OR WHERE PROTECTED BY LISTED PUTTY PADS OR OTHER LISTED MATERIALS/METHODS. ELECTRICAL CONTRACTOR SHALL PROVIDE LISTED PUTTY PADS AS REQUIRED. IN NO CASE SHALL THE AGGREGATE AREA OF OPENINGS EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL SPACE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LOW VOLTAGE CONTRACTOR TO VERIFY FINAL INSTALLATION WILL SATISFY CODE REQUIREMENTS.
- L. INSTALLATION OF AC VOLTAGE CABLING IN LOW VOLTAGE PATHWAYS IS NOT ACCEPTABLE.
- M. CABLING SHALL PASS STRAIGHT THROUGH ANY PULL BOX. CHANGE OF DIRECTION IN A PULL BOX IS NOT ACCEPTABLE.
- N. CONDUITS SHALL HAVE A MAXIMUM OF 40% FILL.
- O. PROVIDE STAINLESS STEEL FACEPLATES.
- P. ALL FACEPLATES AND PATCH PANELS SHALL UTILIZE MODULAR JACKS.
- Q. ALL CABLING SHALL BE PLENUM RATED UNLESS OTHERWISE NOTED.
- R. ALL CABLING, TERMINATIONS AND HOUSINGS ARE TO BE RATED FOR THE ENVIRONMENTS IN WHICH THEY ARE INSTALLED.
- S. CABLING SHALL NOT BE PAINTED. MANUFACTURERS WARRANTY MAY BE VOIDED.
- T. TERMINATE ALL CABLING ON DEDICATED SYSTEM PATCH PANEL. (WIRELESS, DATA, SECURITY, ETC.)
- U. PROVIDE OUTSIDE PLANT CATEGORY CABLING FOR IN/UNDERSLAB OR OUTDOOR APPLICATIONS. CONDUIT CONTAINING OUTSIDE PLANT CABLING SHALL BE EXTENDED TO LOCAL TELECOMMUNICATIONS ROOM. INDOOR/OUTDOOR CATEGORY CABLING IS AN ACCEPTABLE ALTERNATIVE. GENERAL CABLE: GENSPEED 10 UTP INDOOR/OUTDOOR 7141007 OR APPROVED EQUAL.
- V. ALL CABLING SHALL BE TERMINATED, TESTED AND LABELED PER SPECIFICATIONS. ALL LABELING SHALL BE MACHINE PRINTED. HAND WRITTEN LABELS ARE NOT ACCEPTABLE.
- W. PROVIDE PATCH CORD FOR EACH TERMINATED PORT IN TELECOMMUNICATIONS ROOM. COORDINATE EXACT LENGTH WITH OWNER.
- X. PROVIDE EQUIPMENT CORD FOR EACH WIRELESS ACCESS POINT. COORDINATE EXACT LENGTH WITH OWNER.
- Y. PROVIDE SURGE SUPPRESSION MODULE AT DEVICES UTILIZING IN/UNDERSLAB CONDUIT AND EXTERIOR NETWORK SPEAKER LOCATIONS. DITEK: DTK-MRJPOES OR APPROVED EQUAL. REFER TO EXTERIOR NETWORK DEVICE DETAIL. PROVIDE 24 CHANNEL, RACK MOUNTED SURGE SUPPRESSION AT RACK LOCATION FOR NETWORK PROTECTION. DITEK: DTK-RM24NETS OR APPORVED EQUAL. PROVIDE PATCH CORDS AS REQUIRED. INSTALL SURGE PROTECTION DEVICE WITHIN 24" OF ENTRY INTO BUILDING OR EQUIPMENT ENCLOSURE.
- Z. ALL PENETRATIONS THROUGH RATED WALLS MUST BE FIRESTOPPED. UTILIZE MECHANICAL FIRE RATED PATHWAYS. STI EZ-PATH OR APPROVED EQUAL.
- AA. PROVIDE METALLIC J-HOOKS FOR CABLING IN ACCESSIBLE CEILING SPACES WITHOUT CABLE TRAY, BETWEEN CONDUITS, AND BETWEEN CONDUITS AND CABLE TRAY AT 3'-5' IRREGULAR INTERVALS. PANDUIT, COOPER B-LINE, NVENT CADDY, OR APPROVED EQUAL. FOR EMERGENCY SERVICES COMPLEX (ESC) PER NFPA 1221 SECTION 5.5 J-HOOKS ARE NOT ACCEPTABLE WITHIN THE COMMUNICATIONS CENTER.
- BB. THE USE OF J-HOOKS IN EXPOSED CEILING AREAS IS NOT ACCEPTABLE. PROVIDE CONDUIT OR SOLID BOTTOM CABLE TRAY. CONDUITS AND/OR SOLID BOTTOM CABLE TRAY SHALL BE PAINTED TO MATCH ADJACENT SURFACE
- CC. THE USE OF J-HOOKS ABOVE INACCESSIBLE CEILING AREAS IS NOT ACCEPTABLE. PROVIDE CONDUIT.
- DD. NYLON CABLE TIE WRAPS ARE NOT ACCEPTABLE FOR BINDING OR SECURING CABLE BUNDLES. UTILIZE HOOK AND LOOP STRAPS TO SECURE CABLING. STRAPS SHALL BE EVENLY SPACED THROUGHOUT THE DRESSED LENGTH AND PLENUM RATED WHERE APPLICABLE.

ABBREVIATIONS

ACOUSTICAL CEILING TILE

AMERICANS WITH DISABILITIES ACT

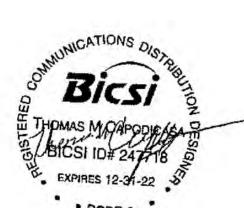
INTERNET OF THINGS

INTERNET PROTOCOL

FF	ABOVE FINISHED FLOOR	J-BOX	JUNCTION BOX
	(ELEVATION TAKEN FROM FINISHED FLOOR)	MH	MANHOLE
FG	ABOVE FINISHED GRADE	MIN	MINIMUM
	(ELEVATION TAKEN FROM FINISHED GRADE)	NEC	NATIONAL ELECTRICAL CODE
V	AUDIO/VISUAL	NVR	NETWORK VIDEO RECORDER
VC	AUDIO/VISUAL CONTRACTOR	OSP	OUTSIDE PLANT
WG	AMERICAN WIRE GAUGE	PDU	POWER DISTRIBUTION UNIT
ОСТ	BOTTOM OF CABLE TRAY	PoE	POWER OVER ETHERNET
	CONDUIT	PVC	POLYVINYL CHLORIDE
AM	CAMERA	QTY	QUANTITY
ATV	CABLE TELEVISION	SC	SECURITY CONTRACTOR
LG	CEILING	SPECS	SPECIFICATIONS
MU	CONCRETE MASONRY UNIT	TC	TELECOMMUNICATIONS CONTRACTOR
C	ELECTRICAL CONTRACTOR	TELECOM	TELECOMMUNICATIONS
TR	EXISTING TO REMAIN	TYP	TYPICAL
XT	EXTERIOR	UON	UNLESS OTHERWISE NOTED
ACP	FIRE ALARM CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
ΥP	GYPSUM BOARD	VoIP	VOICE OVER INTERNET PROTOCOL
DMI	HIGH DEFINITION MULTIMEDIA INTERFACE	WAP	WIRELESS ACCESS POINT
DTV	HIGH DEFINITION TELEVISION	WP	WEATHERPROOF
Н	HANDHOLE	#D	QUANTITY OF DATA CONNECTIONS
		#V	QUANTITY OF VOICE CONNECTIONS
		#R	QUANTITY OF RADIO CONNECTIONS

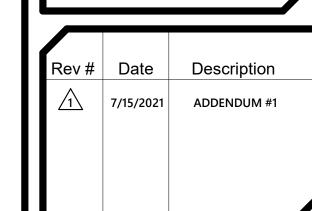
MECHA
engineering FIRE PI
ryon St., Suite 520, Raleigh, NC 27601
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226-2200 - www.optimaengineering.com

SEAL:



06-14-2021

ON COUNTY EMERGENCY SERVICES:RIFF'S OFFICE AND ITHWEST REGIONAL LIBRARY ROE, NC



DATE: 07-15-2021

PROJECT #: 19053

DRAWN BY: TJH

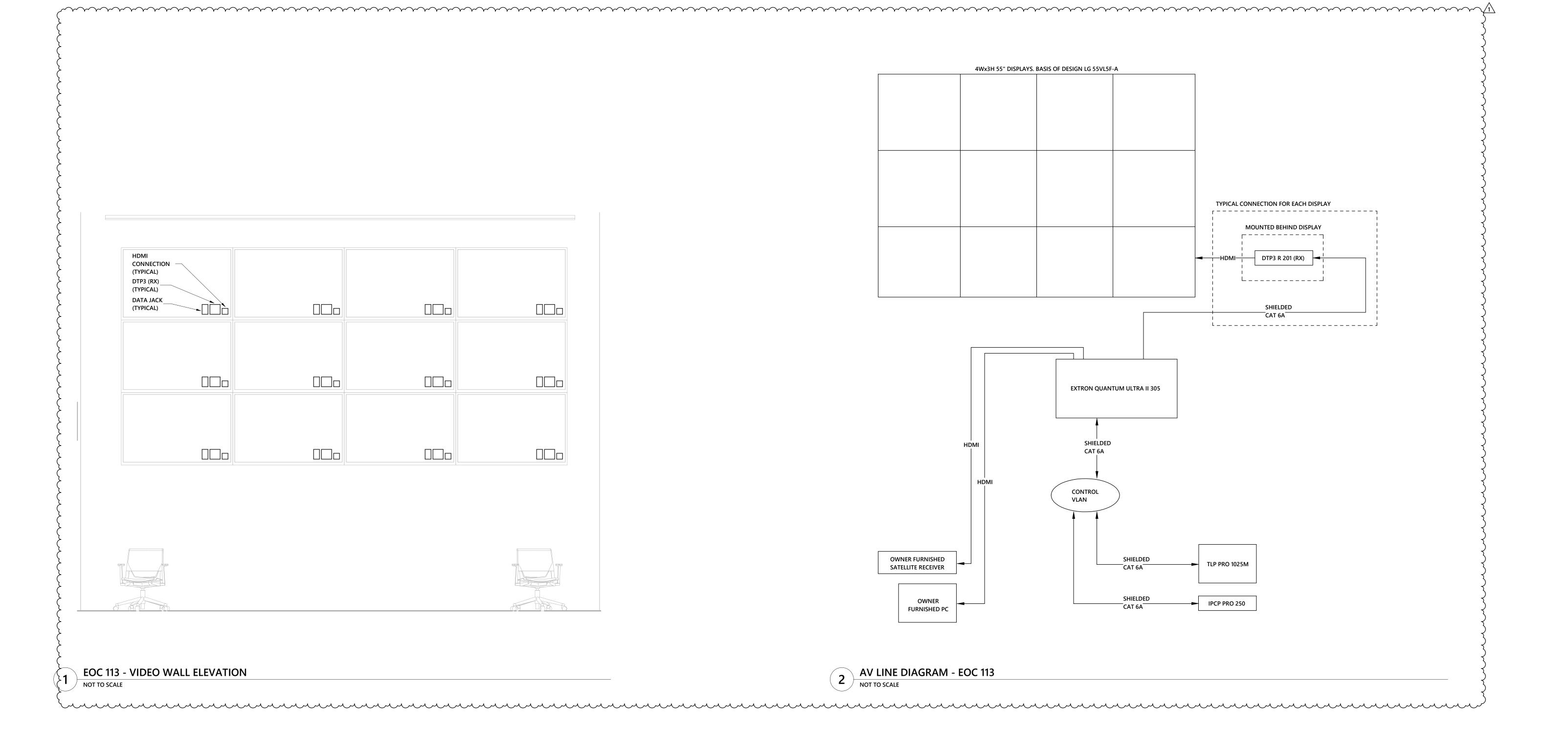
DESIGNED BY: TMC

CHECKED BY: BMR

SHEET TITLE:

AV LEGEND AND NOTES

AVOO1



06-14-2021

DWG #:

PROJECT#:

DRAWN BY:

DESIGNED BY:

CHECKED BY:

SHEET TITLE:

AV ENLARGED PLANS - ESC

AV403

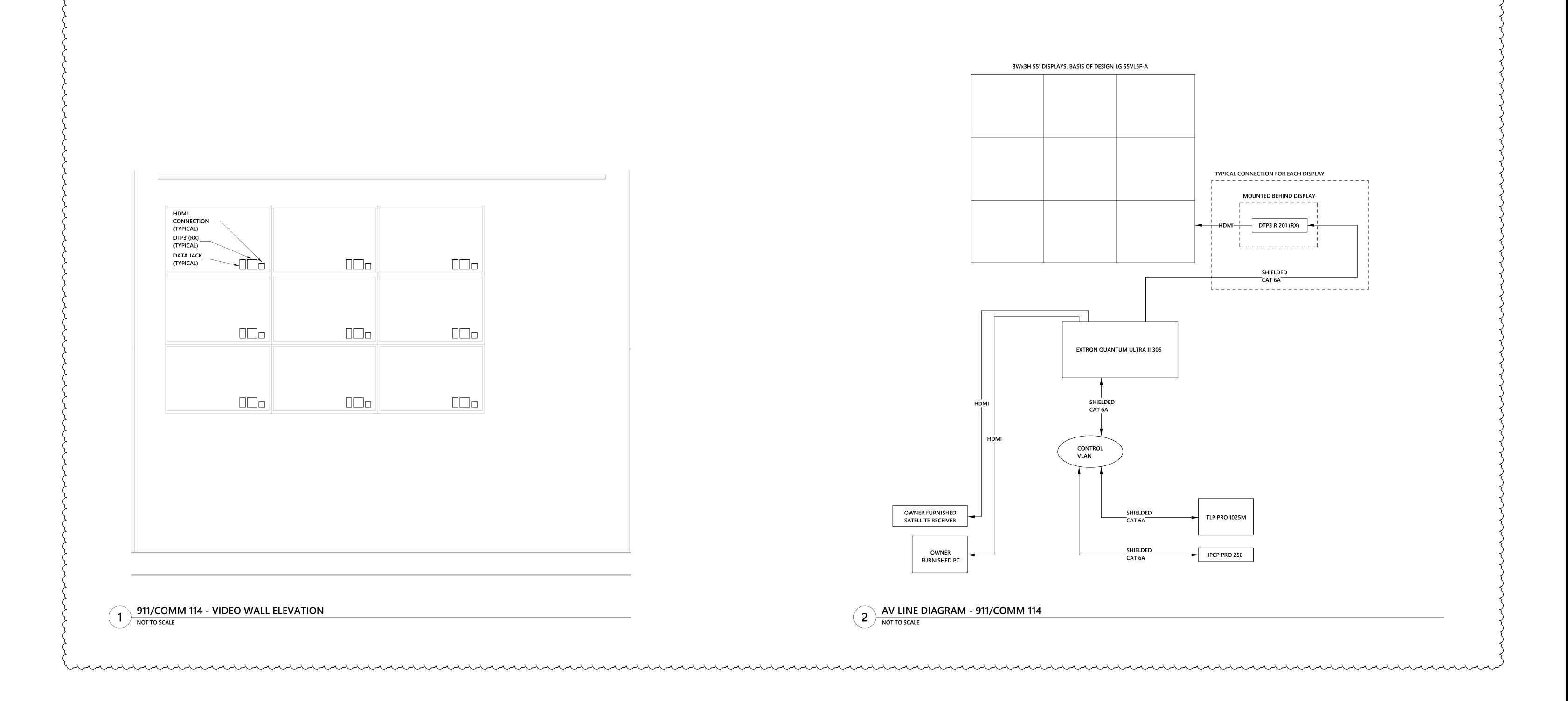
Description

07-15-2021

19053

TMC

7/15/2021 ADDENDUM #1



1

06-14-2021

COUNTY EMERGENCY SERVICES F'S OFFICE AND VEST REGIONAL LIBRARY NC

Rev # Date Description

7/15/2021 ADDENDUM #1

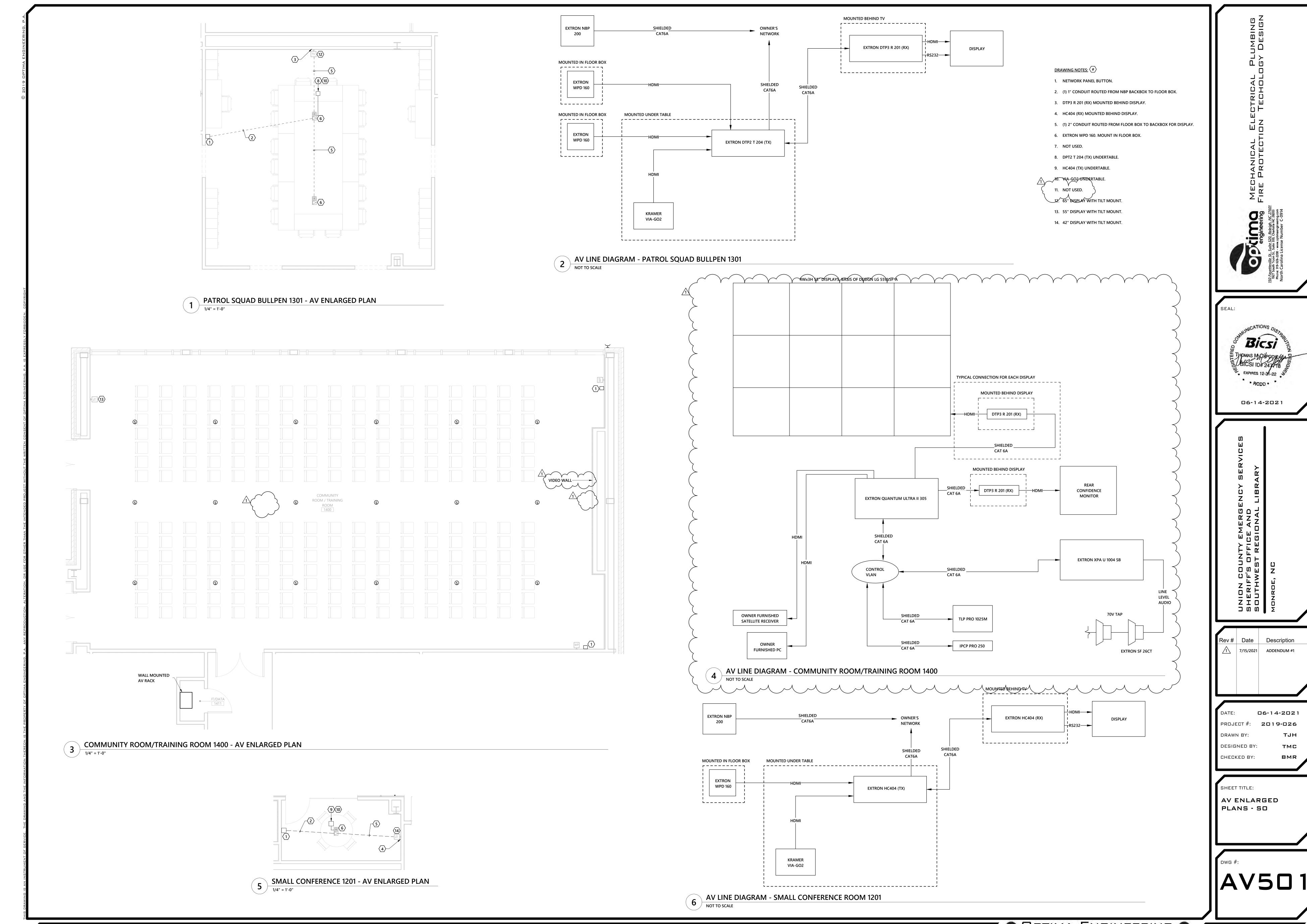
DATE: 07-15-2021
PROJECT #: 19053
DRAWN BY: TJH
DESIGNED BY: TMC
CHECKED BY: BMR

SHEET TITLE:

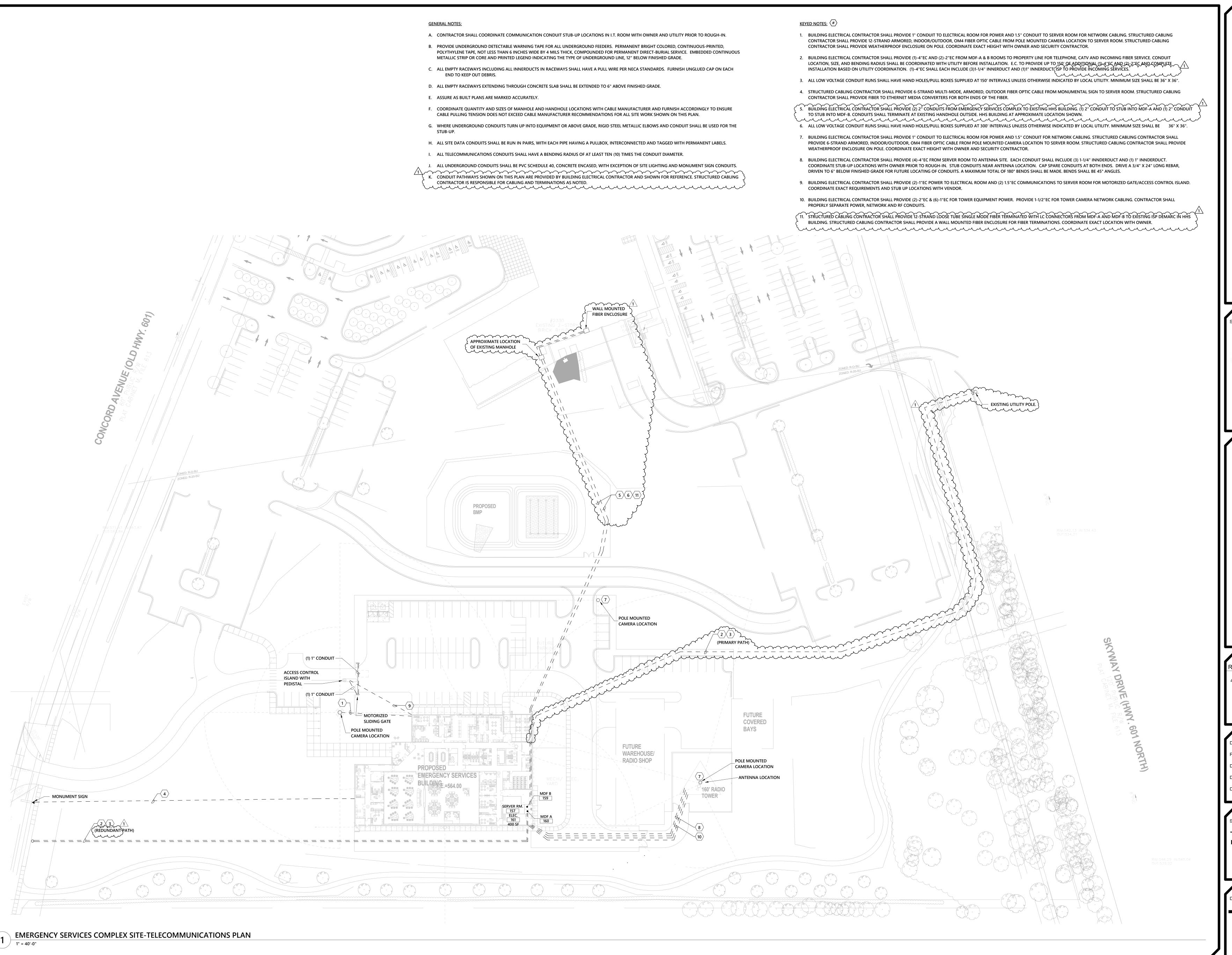
AV ENLARGED

PLANS - ESC

AV404



OPTIMA ENGINEERING S
MECHANICAL - ELECTRICAL - PLUMBING - FIRE PROTECTION - LIGHTING DESIGN



150 Fayetteville St., Suite 520, Raleigh, NC 2766
1927 South Tryon St., Suite 300, Charlotte NC 28203
Phone: 919-926-2200 - www.optimaengineering.com
North Carolina License Number C-0914

SEAL:



06-14-2021

UNION COUNTY EMERGENCY SERVICE SHERIFF'S OFFICE AND SOUTHWEST REGIONAL LIBRARY MONROE, NC

Rev# Date Description

7/15/2021 ADDENDUM #1

DATE: 06-14-2021
PROJECT #: 19053
DRAWN BY: TJH
DESIGNED BY: TMC
CHECKED BY: BMR

SHEET TITLE:
TELECOM SITE

PLAN - ESC

DWG #

TE 100

GENERAL NOTES: A. ALL FLOOR BOXES SHALL HAVE 1"C WITH PULLSTRING ROUTED UNDERSLAB TO ABOVE LOCAL ACCESSIBLE CEILING.

B. BACK TO BACK INSTALLATION SHALL NOT BE ALLOWED. WHERE DEVICES ARE SHOWN BACK TO BACK, DEVICE SHALL BE OFFSET 3".

C. TELECOM OUTLETS LOCATED IN MECHANICAL ROOMS AND ELECTRICAL ROOMS SHALL HAVE CONTINUOUS CONDUIT FROM THE OUTLET BOX TO THE NEAREST CABLE TRAY, TELECOM ROOM OR ACCESSIBLE CEILING. NO FREE RUN CABLING IS PERMITTED IN THESE

D. DEVICES SHALL BE FLUSH MOUNTED, UNLESS NOTED OTHERWISE, WITH NO EXPOSED

E. PROVIDE 'SSGB' GROUND BUS AT EACH NETWORK/OPERATOR CONSOLE DESK. PROVIDE 'SSGB' BENEATH RAISED FLOOR AS REQUIRED PER MOTOROLA R56 REQUIREMENTS. REFERENCE GROUNDING DETAILS FOR FURTHER DETAIL.

F. REFER TO DETAIL 8/TE400 FOR NETWORK DEVICE RACEWAY REQUIREMENTS FOR UNDER WINDOW APPLICATIONS.

 $\underline{\mathsf{KEYED}\;\mathsf{NOTES:}}\left\langle \mathsf{X}\right\rangle$ 1_____

2. NETWORK CABLING AT THIS LOCATION SHALL BE FED THRU FURNITURE CONNECTION.

3. ELECTRICAL CONTRACTOR SHALL PROVIDE 1.5" CONDUIT AND RACO 260H/818 JUNCTION BOX FOR DATA OUTLET AT THIS LOCATION. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE 2-GANG FACEPLATE.

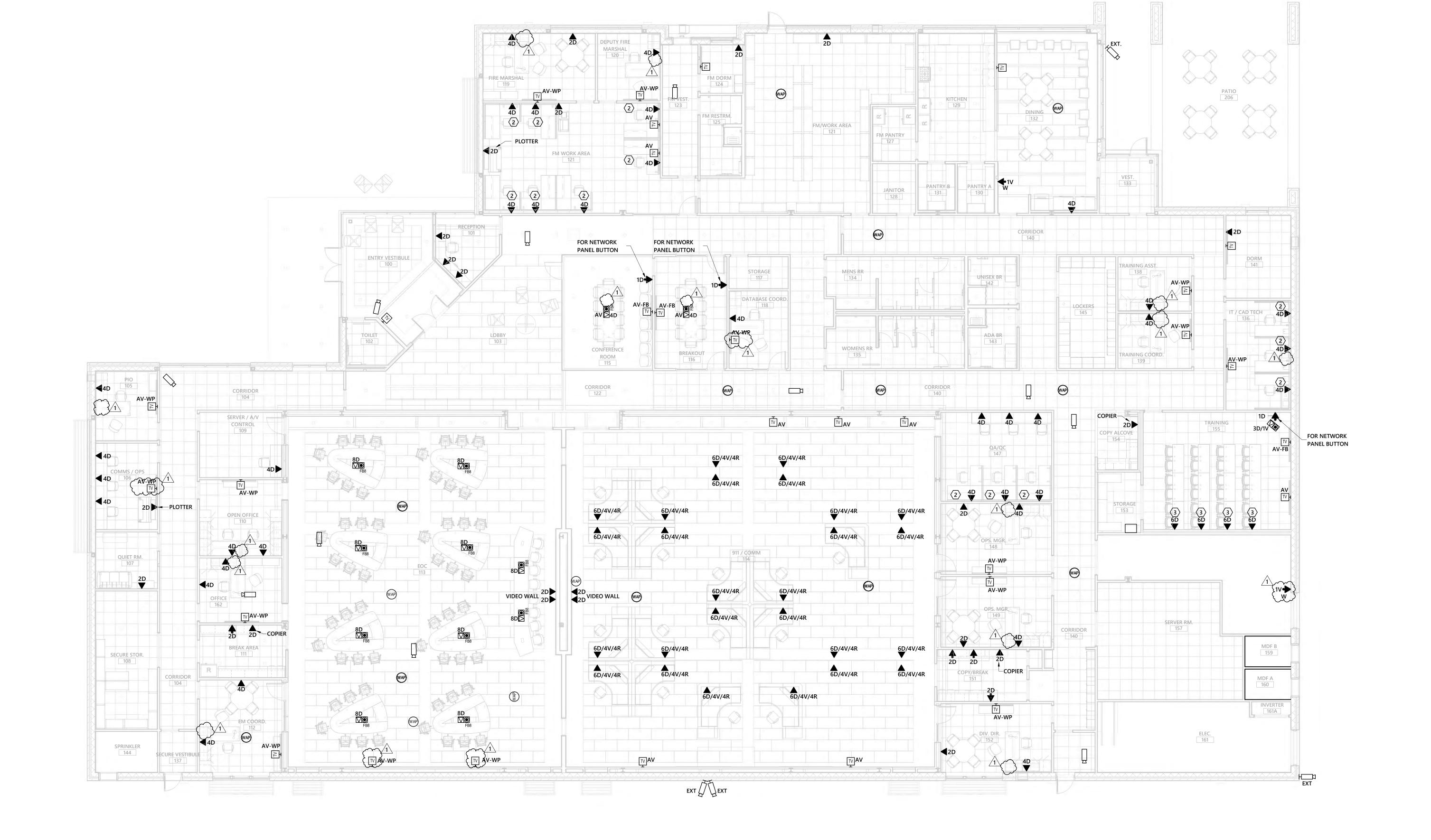
06-14-2021

DESIGNED BY: CHECKED BY:

SHEET TITLE:

OVERALL FIRST FLOOR TELECOM PLAN - ESC

//TE101



SHERIFF'S OFFICE - FIRST FLOOR TELECOMMUNICATIONS PLAN 3/32" = 1'-0"

GENERAL NOTES:

A. REFER TO SITE PLAN TE200 AND TELECOM RISER TE204 FOR ADDITONAL INFORMATION AND REQUIREMENTS.

KEYED NOTES: (#)

1. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF SECURITY CAMERA WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.

2. ROUTE NETWORK CABLES TO SERVER ROOM 2222 ON SECOND FLOOR.

3. NOT USED.
4. (4) 4" CONDUITS. CONTRACTOR SHALL ROUTE CONDUITS UNDERGROUND FROM TELECOM PULL BOX TO WALL CAVITY IN MAIN/GUN EVIDENCE STORAGE ROOM 1213 AND UP THRU FLOOR OF SERVER ROOM 2222 ON

SECOND FLOOR. 5. (3) 3" CONDUITS. CONTRACTOR SHALL ROUTE CONDUITS UNDERGROUND FROM TELECOM PULL BOX TO WALL CAVITY IN MAIN/GUN EVIDENCE STORAGE ROOM 1213 AND UP THRU FLOOR OF SERVER ROOM 2222 ON SECOND FLOOR.



06-14-2021

Rev#	Date	Description
\triangle	7/15/2021	ADDENDUM #1

PROJECT #: 2019-026 DRAWN BY: DESIGNED BY:

CHECKED BY:

SHEET TITLE:

OVERALL FIRST FLOOR TELECOM PLAN - SO

TE201

SHERIFF'S OFFICE - SECOND FLOOR TELECOMMUNICATIONS PLAN

3/32" = 1'-0"

DRAWING NOTES: (#)

- 1. STRUCTURED CABLING CONTRACTOR SHALL PROVIDE QUANTITY OF CATEGORY 6A CABLES AS INDICATED BY SUBSCRIPT. (2) CABLES SHALL BE ROUTED FROM POKE-THRU TO EACH STATION AND TERMINATED IN MODULE FACEPLATE
- DESIGNED FOR FURNITURE SYSTEM. EXPOSED CABLING SHALL BE PROTECTED.
 COORDINATE WITH FURNITURE VENDOR.

 2. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE EXACT MOUNTING HEIGHT
 AND LOCATION OF SECURITY CAMERA WITH OWNER/ARCHITECT PRIOR TO
- ROUGH IN.
 3. ROUTE NETWORK CABLES TO SERVER ROOM 2222.
- ROUTE NETWORK CABLES TO SERVER ROOM 2222.
 STUB NOTED CONDUITS THRU FLOOR OF SERVER ROOM 2222. MAINTAIN FIRE RATING OF FLOOR.

MECHANICAL ELECTRICAL PROTECTION TECHOLO



SEAL:



06-14-2021

UNION COUNTY EMERGENCY SERVICES SHERIFF'S OFFICE AND SOUTHWEST REGIONAL LIBRARY MONROE, NC

Rev#	Date	Description		
1	7/15/2021	ADDENDUM #1		

DATE: 06-14-2021

PROJECT #: 2019-026

DRAWN BY: TJH

DESIGNED BY: TMC

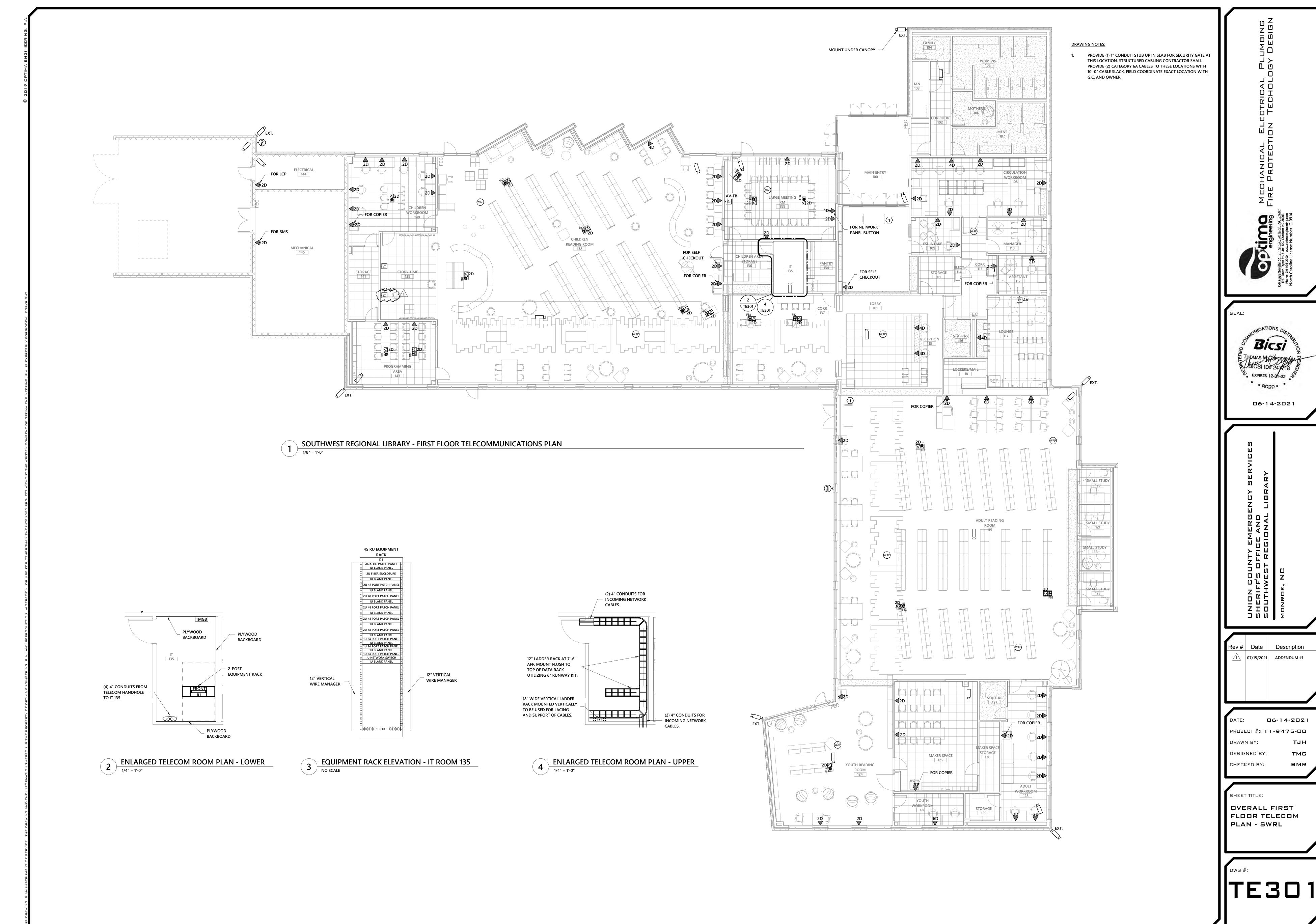
CHECKED BY: TMC

SHEET TITLE:

OVERALL SECOND FLOOR TELECOM PLAN - SO

DWG :

||TE202



OPTIMA ENGINEERING &