



ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

Date Issued:	June 19, 2020
Project:	Intermountain Healthcare Tooele Valley Dialysis Clinic Expansion 2356 North 400 East, Suite #102 Tooele, Utah 84074
Architect's Supplemental Instructions:	ASI #10
To:	Saunders Construction 1113 South 500 West Bountiful, Utah 84010

The Work shall be revised in accordance with the following supplemental instructions, and shall be carried out in accordance with the Contract Documents. Prior to proceeding with the work described, the Contractor is to determine if the work is to affect the contract amount. If additional costs are to be incurred, the Contractor shall submit an itemized cost breakdown showing time, material and other items affected by the change. After acceptance of this work and associated costs, a change order will be prepared for signatures to affect a change to the contract.

Item Number	Description
1	As requested by the Owner and Intermountain IT team- provide wall mounted fiber panel and 24 strand fiber from TDR to demarc. See attached Electrical sheets ET001 & ET601 with revisions shown clouded.
2	See attached Electrical ASI #10 memo from Spectrum Engineers.

Attachments:

ASI #10 memo from Spectrum Engineers,
 Drawings: Revised sheets ET001 & ET601.



SPECTRUM
ENGINEERS

Electrical ASI #10

Project: Dialysis Clinic Expansion

From: Peter Johansen

Project No: 20190957

Date: June 18, 2020

DISCIPLINES

Mechanical Engineering
Electrical Engineering
Technology Design
Acoustical Engineering
Lighting Design
Theatre Design
Fire Protection Engineering
Building Commissioning

DRAWINGS

ET001

1. Added FPP2 wall mounted fiber panel for fiber to demarc

ET601

1. Added 24 strand fiber from TDR to demarc.

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www.spectrum-engineers.com
800-678-7077

CABLE/OUTLET COLOR SCHEDULE	
COLOR	TYPE
BLUE	ANALOG PHONE
BLUE	DATA
BLUE	IP SECURITY CAMERAS
YELLOW	WIRELESS

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS." THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION, COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL SYMBOLS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA	SIEMON 9A6R4-A5-06-R1A
	STATION CABLE, DATA - CATEGORY 6A FUTP PLENUM, YELLOW, WIRELESS DATA	SIEMON 9A6P4-A5-05-R1A
	50 PAIR CATEGORY 3 RISER CABLE, GRAY	GENERAL CABLE 2133161.99 OR EQUAL
	FIBER OPTIC CABLE, SINGLEMODE, 24 STRAND, ARMORED, RISER CABLE, YELLOW	SIEMON 96C8R02ALE205A
	LC CONNECTOR, SIMPLEX SINGLEMODE	SIEMON FC1-LC-SM-802
∇	VOICE OUTLET, SINGLE GANG FACEPLATE, WHITE W/WALL HUNG PHONE MOUNTING STUDS, ONE POSITION W/CATEGORY 6A INSERT	SIEMON MX-WP-Z6AS-SS
∇	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FP802-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK INSERT, WHITE	SIEMON MX-BL-02
∇	DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 2 POSITION	SIEMON 10GMX-FP802-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
2 ∇ A	DATA OUTLET, FURNITURE FACEPLATE, BLACK	SIEMON MX-UMA-01
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
	BLANK MODULE, BLACK	SIEMON MX-BL-01
C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SM22-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
(+) C	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 2 POSITION	SIEMON MX-SM22-02
	CATEGORY 6A JACK - DATA, YELLOW	SIEMON Z6A-S05
	DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION	SIEMON MX-SM21-02
	CATEGORY 6A JACK - DATA, BLUE	SIEMON Z6A-S06
SPP1	48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS	SIEMON Z6AS-PA-48
RPP1	48 PORT, 2RU ANGLE PATCH PANEL, 110 STYLE	SIEMON HD5-48A
	FIBER PATCH PANEL, 3RU	SIEMON RIC3-48E-01
FPP1	FIBER SPLICE CASSETTE, 12 FIBER, LC CONNECTOR	SIEMON RSC12-LCUSMA1
	BLANK PATCH PANEL, WALL MOUNTED	SIEMON RSC12-LCUSMA1
FPP2	FIBER PATCH PANEL, WALL MOUNTED	SIEMON SWIC3G-CC-01
WWM	VERTICAL WIRE MANAGERS, DOUBLE SIDED, BLACK, 8" TALL x 10" WIDE	CHATS WORTH 40096-715
	EQUIPMENT RACK 19" x 8", 52 RU, BLACK	CHATS WORTH 55053-715
	CABLE RUNWAY - 24", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATS WORTH 10250-724
	CABLE RUNWAY - 18", BLACK WITH ALL REQUIRED MOUNTING ACCESSORIES	CHATS WORTH 10250-718
	BUTT SPLICE KIT, BLACK	CHATS WORTH 11301-701
	JUNCTION SPLICE KIT, BLACK	CHATS WORTH 11302-701
	FOOT KIT, BLACK	CHATS WORTH 11309-701
	6" CHANNEL RACK TO RUNWAY, BLACK	CHATS WORTH 12409-724
	TRIANGLE BRACKETS, BLACK	CHATS WORTH 11746-724
	END CLOSING KIT, CABLE RUNWAY, BLACK	CHATS WORTH 11700-724
	WALL ANGLE SUPPORT KIT, CABLE RUNWAY, BLACK	CHATS WORTH 11421-724
	CABLE RUNWAY ELEVATION KIT, 6"	CHATS WORTH 10506-706
	CABLE RUNWAY RADIUS DROP	CHATS WORTH 12100-712
	PLYWOOD BACKBOARD, 4' x 8', GRADE AC, FIRE TREATED & PAINTED	-
	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR	-
	TELECOMMUNICATIONS GROUNDING BUS BAR	-

NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL PROJECT NOTES

- UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.
- ALL DATA LOCATIONS ARE NOT SHOWN IN ET SHEETS. REFER TO ENLARGED POWER PLANS FOR DATA LOCATIONS IF NOT SHOWN ON ET SHEETS.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AUGMENTED
CAT	CATEGORY
E	ENHANCED
EA	EACH
ER	EQUIPMENT ROOM
FPP	FIBER PATCH PANEL
GIG	GIGA HERTZ
HWM	HORIZONTAL WIRE MANAGEMENT
NIC	NOT IN CONTRACT
OE	OWNER ELECTRONICS
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
RPP	RISER PATCH PANEL
SPP	STATION PATCH PANEL
TC	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
VWM	VERTICAL WIRE MANAGEMENT

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

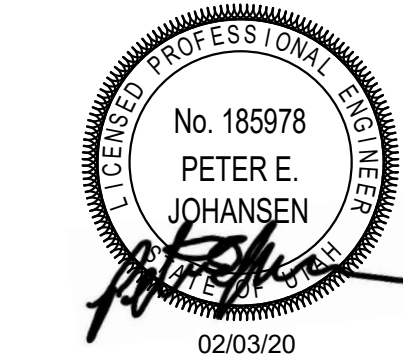
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...



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Intermountain Healthcare

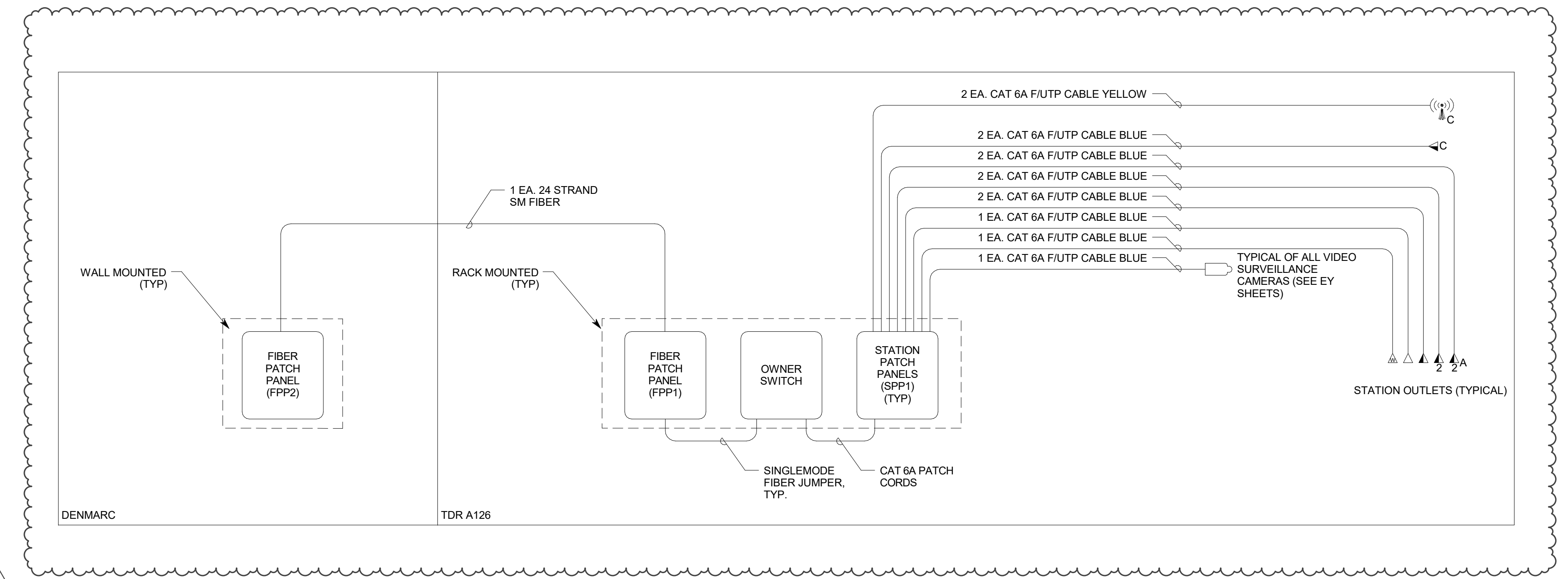
Tooele Valley Dialysis Clinic Expansion

Northpointe Medical Park, Bldg B
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Tooele, Utah 84074

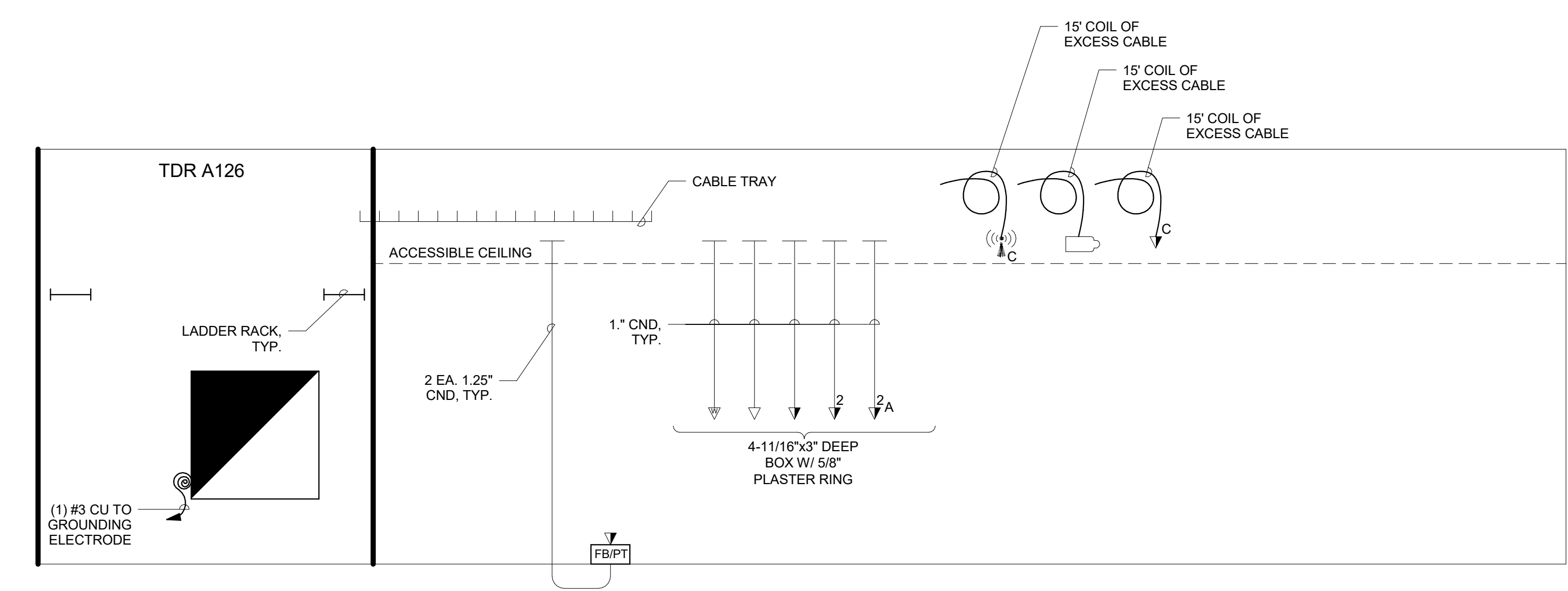
NJRA Project # 19230.00
Construction Documents Feb 03, 2020
8 ASI #10 06/18/20

TELECOM
SCHEDULES
AND NOTES

ET001



2 TELECOM CABLE RISER DIAGRAM
NO SCALE



1 TELECOM CONDUIT RISER DIAGRAM
NO SCALE

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TELECOM
RISER
DIAGRAMS

ET601