

		3	Ι	4 I	5	
	TEC	HNOLOGY JUNCTION BO	X LEGEND			
	DEPTH	ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
15 1/8"	6"	FLOOR BOX	WIREMOLD EFB8S-OG	FLUSH WITH FINISHED FLOOR	1/T-501	A,B
12 1/8" 15 1/8"	5 7/8" 6"	FLOOR BOX	WIREMOLD EFB45S-OG WIREMOLD EFB8S-FC	FLUSH WITH FINISHED FLOOR FLUSH WITH FINISHED FLOOR	- 2/T-501	A,C A,D
	5 7/8"	FLOOR BOX	WIREMOLD EFB45S-FC	FLUSH WITH FINISHED FLOOR	-	A,E
8" 1 1/4"	16 3/4" 3"	POKE-THRU DEVICE CONDUIT STUB UNDER FURNITURE	WIREMOLD EVOLUTION 8AT	FLUSH WITH FINISHED FLOOR 4" AFF	3/T-501	A,F
	3 7/8	SPECIALTY WALL BOX	N/A WIREMOLD EFSB4	66" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	4/T-501, 5/T-501 -	G
12"	6"	PULL BOX (PUNCHED AS REQUIRED) W/PAINTED SCREW COVER	HOFFMAN A-SE12X12X6NK	96" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	-	-
	2 1/8" 2 1/8"	PULL BOX W/RAISED TWO-DEVICE COVER PULL BOX W/RAISED TWO-DEVICE COVER	RACO 258, 259 OR 265 RACO 258, 259 OR 265	48" AFF - FLUSH (UNLESS OTHERWISE INDICATED) 48" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	8/T-501 -	K
	2 1/8"	PULL BOX W/RAISED TWO-DEVICE COVER	RACO 258, 259 OR 265	96" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	6/T-501	K
	2 1/8" 2 1/2"	PULL BOX W/RAISED TWO-DEVICE COVER PULL BOX W/RAISED THREE-DEVICE COVER	RACO 258, 259 OR 265 RACO 942	48" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	-	<u>к</u>
4 11/16"	2 1/8"	PULL BOX W/RAISED TWO-DEVICE COVER	RACO 258, 259 OR 265	18" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	-	К
4 11/16" 8"	2 1/8" 4"	PULL BOX W/RAISED SINGLE-DEVICE COVER PULL BOX (PUNCHED AS REQUIRED) W/PAINTED SCREW COVER	RACO 258, 259 OR 265 HOFFMAN A-SE8X6X4NK	48" AFF - FLUSH 18" AFF - FLUSH	-	K
-	2 1/8"	PULL BOX (FUNCTIED AS REQUIRED) W/PAINTED SCREW COVER	RACO 258, 259 OR 265	90" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	- 7/T-501	K
	4 3/4"	PLENUM ENCLOSURE ASSY.	NIGEL B. NB-PEBPM	MOUNT TO 1-1/2" NPT PER DETAIL	1/T-502, 2/T-502	H,J
4" 4 11/16"	4" 2 1/8"	PAINTED WITH KNOCKOUTS PULL BOX W/SCREW COVER PULL BOX W/FLAT COVER	HOFFMAN A-SE4X4X4NK RACO 258, 259 OR 265	18" ABOVE ACCESSIBLE CEILING 18" ABOVE ACCESSIBLE CEILING	-	J -
4 11/16"	2 1/8"	PULL BOX W/FLAT COVER	RACO 258, 259 OR 265	18" ABOVE HARD GYP. BOARD CEILING	-	-
	2 1/8" 2 1/8"	PULL BOX W/FLAT COVER PULL BOX W/FLAT COVER	RACO 258, 259 OR 265 RACO 258, 259 OR 265	18" ABOVE ACCESSIBLE CEILING 18" ABOVE HARD GYP. BOARD CEILING	- 9/T-501	-
	4 3/4"	PLENUM ENCLOSURE ASSY.	NIGEL B. NB-PEBPM	MOUNT TO 1-1/2" NPT PER DETAIL	3/T-502, 4/T-502	- I,J
	INO	LOGY TELECOM JUNCTIC	N BOX LEGEND			
SURE DIMENSIONS	DEPTH	ENCLOSURE DESCRIPTION	ENCLOSURE MAKE & MODEL	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
-	-	FLOOR BOX INDICATED BY FB-NUMBER	COORDINATE W/ASSOCIATED FLOOR BOX	INSTALL IN FLOOR BOX PER MANUFACTURER DIRECTIONS	-	A,B,C,D,E,F,L
- 4 11/16"	- 2 1/8"	WALL BOX INDICATED BY J-NUMBER PULL BOX W/RAISED SINGLE-DEVICE COVER	COORDINATE W/ ASSOCIATED WALL BOX RACO 258, 259 OR 265	INSTALL IN WALL BOX PER MANUFACTURER DIRECTIONS 18" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	-	G,L K,L,M
	2 1/8"	PULL BOX W/RAISED SINGLE-DEVICE COVER	RACO 258, 259 OR 265	90" AFF - MOUNT TO CABLE RUNWAY ABOVE EQUIPMENT RACK	-	K,L
	2 1/8"	PULL BOX W/RAISED SINGLE-DEVICE COVER	RACO 258, 259 OR 265	18" AFF - FLUSH	-	-
	2 1/8" 2 1/8"	PULL BOX W/RAISED SINGLE-DEVICE COVER COORDINATE WITH FURNITURE	RACO 258, 259 OR 265	48" AFF - FLUSH COORDINATE INSTALLATION WITH FURNITURE	-	-
4 11/16"	2 1/8"	PULL BOX W/RAISED SINGLE-DEVICE COVER	RACO 258, 259 OR 265	6" ABOVE COUNTER SURFACE	-	K,L
	2 1/8" 2 1/8"	COORDINATE WITH FURNITURE PULL BOX W/RAISED SINGLE DEVICE COVER	- RACO 258, 259, OR 265	COORDINATE INSTALLATION WITH FURNITURE 80" AFF - FLUSH (UNLESS OTHERWISE INDICATED	-	L
	2 1/8"	PULL BOX W/RAISED SINGLE DEVICE COVER	RACO 258, 259, OR 265	48" AFF - FLUSH		-
4 11/16"	2 1/8"	PULL BOX W/RAISED SINGLE-DEVICE COVER	RACO 258, 259 OR 265	120" AFF - FLUSH	-	-
- 4 11/16"	- 2 1/8"	CEILING BOX INDICATED BY J-NUMBER PULL BOX W/FLAT COVER	COORDINATE W/ASSOCIATED BOX RACO 258, 259 OR 265	INSTALL IN BOX PER MANUFACTURER DIRECTIONS 18" ABOVE ACCESSIBLE CEILING		H,I,J,L J,L
	√21/8 [#] √	PULL BOXW/BLANR COVER				
	2 1/8" 12 1/8" 1	PULL BOX W/RAISED SINGLE-DEVICE COVER	RACO 258, 259 OR 265	18" ABOVE ACCESSIBLE CEILING	·	K,L
	2 1/8"	DOUBL-GANG BOX WITH SIMPLEX FACEPLATE	RACO 259	MOUNT @ 96" - MOUNT TO CABLE RUNWAY ABOVE RACKS		-
		TECHNOLOGY POWER LE				
	NEMA	DESCRIPTION	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	LEGEND NOTES
	5-20R 5-20R	DUPLEX RECEPTACLE INSIDE FLOOR BOX DUPLEX RECEPTACLE	-	INSTALL IN FLOOR BOX PER MANUFACTURER DIRECTIONS INSTALL IN WALL BOX PER MANUFACTURER DIRECTIONS	-	A,B,C,D,E,F,N G,N
20	5-20R	DUPLEX RECEPTACLE	-	18" AFF - FLUSH (UNLESS OTHERWISE INDICATED)	-	N
	L5-20R 5-20R	TWIST-LOCK RECEPTACLE TWIST-LOCK RECEPTACLE	-	90" AFF - MOUNT TO CABLE RUNWAY ABOVE EQUIPMENT RACK 90" AFF - MOUNT TO CABLE RUNWAY ABOVE EQUIPMENT RACK		<u>N</u>
<u></u>	5-20R	DUPLEX RECEPTACLE	-	ADJACENT J12 - REFER TO PLANS & ELEVATIONS		<u> </u>
20	6-20R	DUPLEX RECEPTACLE DOUBLE DUPLEX RECEPTACLE	-	ADJACENT J21 - REFER TO PLANS & ELEVATIONS 18" AFF - FLUSH	-	Ν
20 20	5 200		I-		-	
20 20	5-20R -	WORKBOX W/POWER CKT.	-	TERMINATE AT PER MFG INSTRUCTIONS	-	N
20 20 20 20 20 20 20		WORKBOX W/POWER CKT. DUPLEX RECEPTACLE	-	INSTALL IN VIDEO PROJECTOR BOX PER MANUFACTURER DIRECTIONS		H,J,N
20 20 20 20 20	-	WORKBOX W/POWER CKT.	- - - -			

FPx(Nx) FLOOR POKE-THRU DEVICE CONTAINING TELECOM OUTLET FPx(Px) FLOOR POKE-THRU DEVICE CONTAINING POWER OUTLET FPx(Nx,Px) FLOOR POKE-THRU DEVICE CONTAINING TELECOM & POWER OUTLETS FSx FLOOR CONDUIT STUB

1. FOR FB-NUMBER REFER TO TECHNOLOGY JUNCTION BOX LEGEND 2. FOR FP-NUMBER REFER TO TECHNOLOGY JUNCTION BOX LEGEND 3. FOR FS-NUMBER REFER TO TECHNOLOGY JUNCTION BOX LEGEND

4. FOR J-NUMBER REFER TO TECHNOLOGY JUNCTION BOX LEGEND 5. FOR N-NUMBER REFER TO TECHNOLOGY TELECOM JUNCTION BOX LEGEND 6. FOR P-NUMBER REFER TO TECHNOLOGY POWER LEGEND

0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
		5	08 / 31 / 2018	RRMM	ADDENDUM NO. 5
		8	02 / 01 / 2019	RRMM	FOR OWNER REVIEW
		MARK	DATE	BY	DESCRIPTION
		REV	/ISION	IS	

PROJECTION SCREEN TYPE AND PROJECTOR MOUNTING STYLE SEE SHEET T-002 FOR MORE INFORMATION

LETTER DESIGNATES PROJECTION NUMBER DESIGNATES PROJECTOR SCREEN TYPE MOUNTING STYLE

> DISPLAY TYPE AND DISPLAY MOUNTING STYLE SEE SHEET T-002 FOR MORE INFORMATION

LETTER DESIGNATES NUMBER DESIGNATES DISPLAY MOUNTING STYLE DISPLAYTYPE

LEGEND NOTES

] FLOOR BOXES AND FLOOR PENETRATIONS: ERIFY EXACT LOCATION, COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO INSTALLATION. B] FB3(N1,P1) FLOOR BOX CONFIGURATION: VIREMOLD EVOLUTION SERIES EFB8S-OG FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. FB4(N1,P1) FLOOR BOX CONFIGURATION: IREMOLD EVOLUTION SERIES EFB45S-OG FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.)] FB5(N1,P1) FLOOR BOX CONFIGURATION: VIREMOLD EVOLUTION SERIES EFB8S-FC FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. FB6(N1,P1) FLOOR BOX CONFIGURATION: IREMOLD EVOLUTION SERIES EFB45S-FC FLOOR BOX WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, TUNNEL SYSTEM, TWO REMOVABLE MODULES, CABLE MANAGEMENT GUIDES, MOUNTING CLAMPS AND LEVELING SUPPORT LEGS. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, MOUNTING BRACKETS, DEVICE PLATES, BLANK DEVICE PLATES, DIVIDER PLATES, AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.] FP7(N1,P1) POKE-THRU CONFIGURATION: IREMOLD EVOLUTION SERIES 8AT POKE-THRU DEVICE WITH FINISHED COVER. VERIFY COVER STYLE AND FINISH WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TEMPORARY CONSTRUCTION COVER, 5PTHA 1/2-GANG PASS-THROUGH HOUSING, THREE 1PTHA 1-GANG PASS-THROUGH HOUSING ASSEMBLY, 575CHA 1/2-GANG 3/4" CONDUIT HOUSING ASSEMBLY, AND 8DIV 8" VIDER. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, CENTER MOUNT DEVICE PLATES, SIDE MOUNT DEVICE PLATES, BOTTOM FEED ASSEMBLIES, AND OTHER CCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. 3] J1(N2,P2) FLAT PANEL DISPLAY BOX CONFIGURATION: IREMOLD EVOLUTION SERIES EFSB4 FLAT PANEL DISPLAY WALL BOX. VERIFY COVER COLOR WITH ARCHITECT PRIOR TO ORDERING. INCLUDED COMPONENTS: TUNNEL, DEVICE MODULES, TRIM FLANGE, AND DECORATIVE COVER. PROVIDE AS REQUIRED: POWER RECEPTACLES, COMMUNICATION JACKS, DEVICE PLATES, BLANK DEVICE PLATES, KNOCKOUT PLATES, AND OTHER ACCESSORIES H] J20(N20,P22) CEILING MOUNTED PROJECTOR ENCLOSURE CONFIGURATION: IGEL-B DESIGN NB-PEBPM PLENUM CEILING ENCLOSURE WITH POLE MOUNT. INCLUDED COMPONENTS: ONE INSTALLED AC OUTLET. PROVIDE AS REQUIRED: HANGING KIT, CEILING TILE SUPPORTS, J26(N20,P25) CEILING MOUNTED PROJECTOR ENCLOSURE CONFIGURATION: IIGEL-B DESIGN NB-PEBPM PLENUM CEILING ENCLOSURE WITH POLE MOUNT. INCLUDED COMPONENTS: ONE INSTALLED AC OUTLET. PROVIDE AS REQUIRED: HANGING KIT, CEILING TILE SUPPORTS, VIBRATION ISOLATION AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. J] CEILING SUSPENDED VIDEO PROJECTOR: THE LOCATION OF THE AUDIOVISUAL, POWER AND TELECOM JUNCTION BOXES IN RELATION TO THE PROJECTION SCREEN IS CRITICAL. FOR VIDEO PROJECTOR INFRASTRUCTURE LAYOUT RACO JUNCTION BOXES W/RAISED DEVICE COVERS: ROVIDE A SQUARE PULL BOX WITH APPROPRIATE KNOCKOUTS TO MATCH CONDUIT REQUIREMENTS. WHERE INDICATED PROVIDE A RAISED SINGLE OR MULTI DEVICE COVER AS SPECIFIED OF APPROPRIATE DEPTH TO MATCH WALL THICKNESS. TELECOM OUTLETS AND ASSOCIATED CONDUITS: ONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE SHEET T-611 - "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS BY TELECOM JUNCTION BOX TYPE. REFER TO THE TELECOM PLANS FOR THE LOCATIONS OF JUNCTION BOXES AND FLOOR BOXES, AND THE "TELECOM CABLING LEGEND" FOR OUTLET CONFIGURATION REQUIREMENTS. TELECOM CABLING, [M] POWER RECEPTACLES ADJACENT STANDARD TELECOM WALL OUTLETS: N3 STANDARD TELECOM WALL OUTLETS SHOULD HAVE A DUPLEX POWER RECEPTACLE LOCATED WITHIN 36" OF THE TELECOM WALL OUTLET. IDEALLY, THE TELECOM OUTLET BOX WILL BE MOUNTED O ONE SIDE OF A STUD, AND THE POWER BOX TO THE OPPOSITE SIDE OF THE STUD. REFER TO DETAIL 8/T-510 FOR MORE INFORMATION. <u>] POWER RECEPTACLES</u> CHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL RAWINGS. THE TECHNICAL POWER RECEPTACLES ALSO APPEAR ON THE TECHNOLOGY INFRASTRUCTURE DRAWINGS FOR COORDINATION AND LOCATION PURPOSES. THE LOCATION OF TECHNICAL OWER RECEPTACLES IN RELATION TO OTHER TECHNOLOGY INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS. NO SUBSTITUTION **IO KNOWN EQUIVALENT FOR THIS DEVICE GENERAL NOTES** JBSTITUTION HE MANUFACTURER AND MODEL OF JUNCTION BOXES IN THE TECHNOLOGY LEGENDS HAVE BEEN LISTED TO ESTABLISH THE DESIRED LEVEL OF QUALITY AND PERFORMANCE FOR EACH DEVICE. INLESS OTHERWISE INDICATED, THE INSTALLING CONTRACTOR MAY SUBSTITUTE THESE DEVICES WITH EQUIVALENT PRODUCT BY OTHER MANUFACTURERS. UNCTION BOX COVERS: NLESS OTHERWISE DIRECTED, ALL JUNCTION BOXES MUST BE PROVIDED WITH A COVER. WHERE RAISED DEVICE COVERS ARE SPECIFIED IN THE SCHEDULE, MATCH COVER DEPTH TO WALL THICKNESS. WHERE JUNCTION BOXES ARE MOUNTED AT OR ABOVE FINISHED CEILING HEIGHT, INSTALL JUNCTION BOX WITH OPEN SIDE FACING DOWN. <u>CONDUIT RUNS:</u> ALL CONDUIT RUNS SHALL BE STEEL, THIN-WALL ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE INDICATED. THE USE OF FLEXIBLE CONDUIT IS NOT PERMISSIBLE EXCEPT WHERE INDICATED ON THE DRAWINGS. CONDUIT SIZES AND INTERCONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS. CONDUIT ROUTING IS AT CONTRACTOR'S DISCRETION BUT THE CONTRACTOR SHALL ROVIDE A PULL BOX IMMEDIATELY BEFORE AND AFTER ANY CONDUIT RUN SECTION CONTAINING TWO NINETY-DEGREE TURNS, OR ANY SINGLE RUN EXCEEDING FIFTY FEET IN LENGTH REGARDLESS <u>CONDUIT STUBS:</u> PROVIDE A NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATED CONDUIT ENDS TO PROTECT WIRE PULLS. ROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI/TIA/EIA-607-C GROUNDING STANDARD AND APPLICABLE NEC REQUIREMENTS EXCEPT WHERE THE DRAWINGS OR PECIFICATIONS EXCEED NEC REQUIREMENTS. ALL RACKS, METALLIC BACKBOARDS, CABLE SHEATHS, METALLIC STRENGTH MEMBERS, SPLICE CASES, CABLE TRAYS, ETC. ENTERING OR RESIDING IN ECHNICAL EQUIPMENT SPACES SHALL BE GROUNDED TO THEIR RESPECTIVE GROUND SYSTEM USING A MINIMUM #6 AWG STRANDED COPPER BONDING CONDUCTOR AND COMPRESSION CONNECTORS. ALL WIRES USED FOR TECHNICAL POWER SYSTEMS GROUNDING PURPOSES SHALL BE IDENTIFIED WITH GREEN INSULATION OR IDENTIFIED AT EACH TERMINATION POINT WITH A WRAP RE STOPPING HE FIRE STOP SYSTEM SHALL COMPLY WITH THE IBC, NEC AND WITH NFPA 101-LIFE SAFETY CODE (LATEST EDITION) AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE LOCAL INSPECTION AUTHORITIES PRIOR TO CABLE SYSTEM ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS HAVING PENETRATIONS. COORDINATE SEALANT INSTALLATION WITH WORK OF OTHER TRADES. REFER TO GENERAL AND/OR ELECTRICAL SPECIFICATION SECTIONS FOR FURTHER MATERIAL AND INSTALLATION PARAMETERS. TECHNICAL POWER & GROUNDING SYSTEM (TPS & TGS): DUE TO THE SENSITIVE NATURE OF ELECTRONIC EQUIPMENT THAT IS BEING USED, POWER QUALITY MUST BE ASSURED. POWER FOR TECHNOLOGY SYSTEMS SHOULD BE DERIVED FROM POWER PANELS WHICH DO NOT SHARE CIRCUITS WITH EQUIPMENT LOADS THAT GENERATE ELECTRICAL NOISE ON THE POWER LINE. THIS MIGHT INCLUDE: AIR CONDITIONING EQUIPMENT, MOTORS, HEAVY INDUSTRIAL EQUIPMENT, OR DIMMED LIGHTING LOADS; ALL OF WHICH CREATE TRANSIENTS, HARMONICS, SURGES AND SPIKES. FOR ADDITIONAL GUIDELINES REFER TO THE IEEE STD. 1100 (2005) EMERALD BOOK 'RECOMMENDED PRACTICE FOR POWERING AND GROUNDING ELECTRONIC EQUIPMENT'. WHERE PRACTICAL, ALL TECHNICAL POWER CIRCUITS FOR EQUIPMENT WITHIN A ROOM TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) DEVICES SHOULD BE PROVIDED AT POWER DISTRIBUTION PANELS SERVING TECHNICAL POWER CIRCUITS. THESE TVSS DEVICES MUST BE INSTALLED ACCORDING TO NEC ARTICLE 285. ALL DEVICES MUST BE UL 1449 COMPLIANT. TECHNICAL GROUND SHALL CONSIST OF AN INSULATED GROUND CONDUCTOR FROM THE PANEL BOARD TO EACH TECHNICAL GROUND RECEPTACLE. AT THE RECEPTACLE, THE GROUND CONDUCTOR SHALL BE ELECTRICALLY ISOLATED FROM THE ELECTRICAL BOX AND CONDUIT SYSTEM.

AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS. VIBRATION ISOLATION AND OTHER ACCESSORIES AS NEEDED. CONFIGURE BOX ACCORDING TO DETAILS.

INFORMATION SEE SHEET T-002 AND REFERENCED DETAILS.

OUTLETS AND COVER PLATES PROVIDED BY THE STRUCTURED CABLING SYSTEMS CONTRACTOR.

DEVICE MOUNTING: DEVICE SPECIFIED MOUNTING ELEVATIONS ARE "ON CENTER" UNLESS OTHERWISE NOTED.

OF WHETHER PULL BOXES ARE SHOWN ON THE DRAWINGS OR NOT. ALL CONDUIT RUNS SHALL BE PROVIDED WITH A PULL STRING.

OF GREEN TAPE. ALL CABLES AND BUS BARS SHALL BE IDENTIFIED AND LABELED "TECHNICAL POWER SYSTEM GROUND".

SHOULD BE ON THE SAME PHASE TO INSURE PROPER EQUIPMENT TIMING WITHIN THE SYSTEM.

TECHNICAL GROUND SYSTEM (TGS)

0' 3" 6" 9" 1' 1.5' 1" = 1'-0"

3" = 1'-0" 0' 3" 6" 9" 1' 1 1/2" = 1'-0" 0' 1" 2" 3 **NEW EDUCATION & ACADEMIC ADMINISTRATION BUILDING** PROJECT



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eypae.com

DRAWING

3/4" = 1'-0"

08/31/18

EASTERN VIRGINIA MEDICAL SCHOOL

DATE 07/17/2018 PROJECT 17118-00 DESIGNED DRAWN CHECKED SHEET T-001

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12" = 1'-0

TECHNOLOGY INFRASTRUCTURE LEGENDS AND SYMBOLS

							F	PROJECTION	SCREEN TYPE LEGE	ND		
								ALL DIMENSION	S IN INCHES/WEIGHT IN POUNDS			
	IMAGE	E SIZE		CASE SIZE								
TYPE	HEIGHT (IH)	WIDTH (IW)	HEIGHT (CH)	WIDTH (CW)	DEPTH (CD)	WEIGHT	INSTALLATION	OPERATION	MAKE & MODEL	IMAGE SURFACE MATERIAL		CONTROL
С	65"	104"	7"	129"	9"	112	CEILING RECESSED - FLUSH	MOTORIZED	DA-LITE TENSIONED ADVANTAGE ELECTROL	HD PROGRESSIVE 1.1	INTERNAL LVC	
D	72 1/2"	116"	7"	142"	9"	138	CEILING RECESSED - FLUSH	MOTORIZED	DA-LITE TENSIONED ADVANTAGE ELECTROL	HD PROGRESSIVE 1.1	INTERNAL LVC	
E	87 1/2"	140"	7"	167 1/2"	9"	148	CEILING RECESSED - FLUSH	MOTORIZED	DA-LITE TENSIONED ADVANTAGE ELECTROL	HD PROGRESSIVE 1.1	INTERNAL LVC	
G	106"	358"	112"	364"	2"	216	WALL MOUNTED	FIXED FRAME	DA-LITE CINEMA CONTOUR	HD PROGRESSIVE 1.1	-	

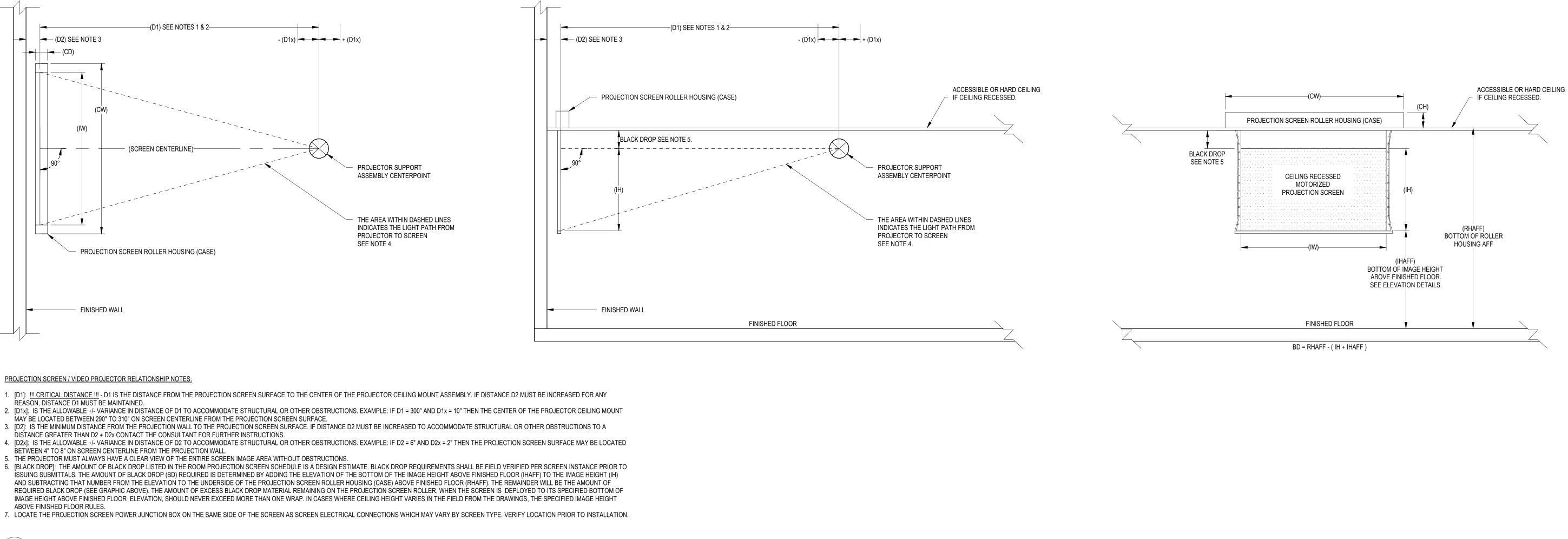
1. SEE THE ROOM PROJECTION SCREEN SCHEDULE ON THIS SHEET FOR LOCATIONS. 2. PROJECTION SCREEN, PROJECTION SCREEN CONTROL SWITCHES, MOUNTING HARDWARE, CONDUITS, AND ELECTRICAL PROVIDED BY G.C. 3. REFER TO THE DETAILS LISTED IN THE LEGEND FOR EACH PROJECTION SCREEN TYPE.

	ROOM PROJECTION SCREEN SCHEDULE													
	ALL DIMENSIONS IN INCHES													
SCREEN PROJECTOR MOUNT														
ROOM NUMBER	QTY.	SCREEN TYPE	PROJECTOR MOUNTING STYLE	BOTTOM OF IMAGE AFF	BLACK DROP (EST.)	DISTANCE [D1]	DISTANCE [D1x]	DISTANCE [D2]	DISTANCE [D2x]					
131	2	D	1	48"	48"	135"	0"	6"	0"					
133	2	D	1	48"	47"	135"	0"	6"	0"					
200	4	E	1	48"	45"	145"	0"		0"					
300	1	G	1	58"	0"	205"	0"	2"	0"					
943	1	С	1	36"	1"	118"	0"	4"	0"					
944	1	С	1	4"	33"	118"	0"	6"	0"					
989	1	С	1	36"	1"	118"	0"	6"	0"					
1031	1	С	1	36"	1"	208"	0"	6"	0"					
1161	1	D	1	29"	1"	135"	0"	6"	0"					
Unoccupied	4	E	1	48"	45"	145"	0"		0"					

VIDEO PROJECTOR MOUNTING STYLE DETAILS REFER TO THE PROJECTOR & DISPLAY MOUNTING STYLE LEGEND FOR MORE INFORMATION.

PROJECTION SCREEN / VIDEO PROJECTOR RELATIONSHIP IS CRITICAL (SEE GRAPHIC AND NOTES BELOW)

CEILING MOUNTED VIDEO PROJECTION SCREEN & PROJECTOR LAYOUT (TYP.) - PLAN VIEW



 1
 TYPICAL PROJECTION SCREEN

 T-002
 12" = 1'-0"

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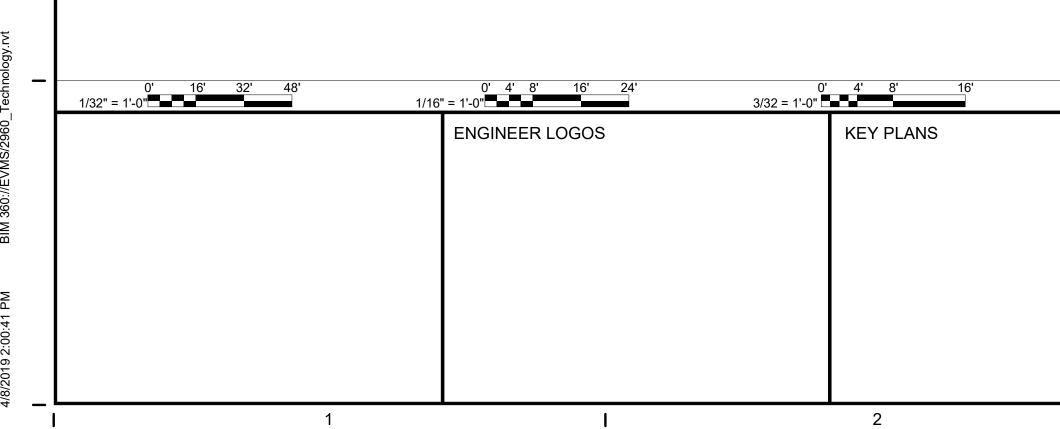
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ROOM DISPLAY SCHEDULE ALL DIMENSIONS IN INCHES MOUNTIN STYLE OOM NUMBER DISPLAY QTY. DISPLAY TYPE FV AFF O а а а а а а а а а а а а

ROO	M DIS	PLAY S	SCI
	ALL DIM	ENSIONS IN	INCH
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911	1	2	
922	1	1	
925	1	1	
947	1	2	
954	1	1	
960	1	1	
979	1	2	
1006	1	2	
1029	1	1	
1037	1	2	
1039	1	2	\sim
1050	1	4 5	
1060	1	3 \	m
1075	1	3	
1110	1	3	
1111	1	4	
1113	1	2	
1124	1	2	
1135	1	2	
1143	1	3	
1157	1	1	
1159	1	1	
1166	1	3	
1179	1	1	
1184	1	1	
C201	1	6	
C301	1	6	
V102	1	1	
V902	2	4	
V1002	2	4	
V1102	2	4	

FLAT PANEL DISPLAY MOUNTING STYLE DETAILS REFER TO THE PROJECTOR & DISPLAY MOUNTING STYLE LEGEND FOR MORE INFORMATION.

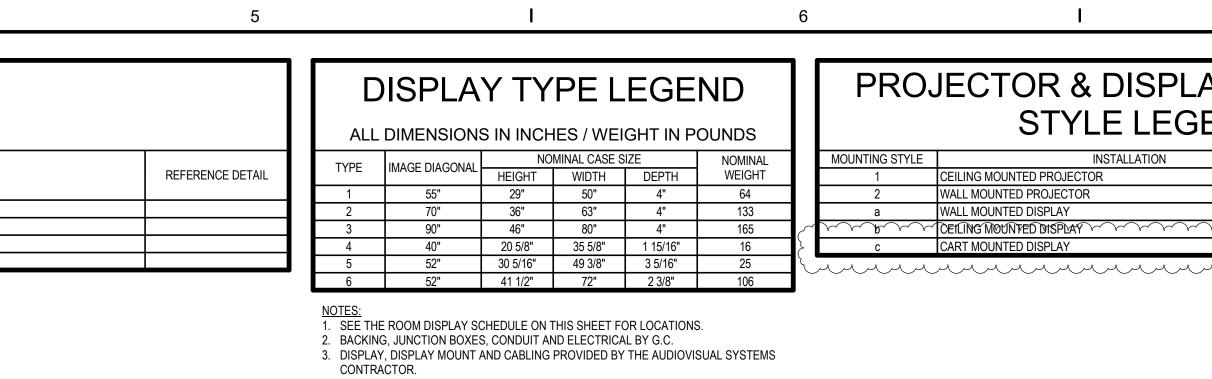
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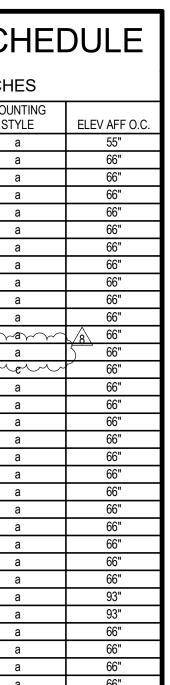
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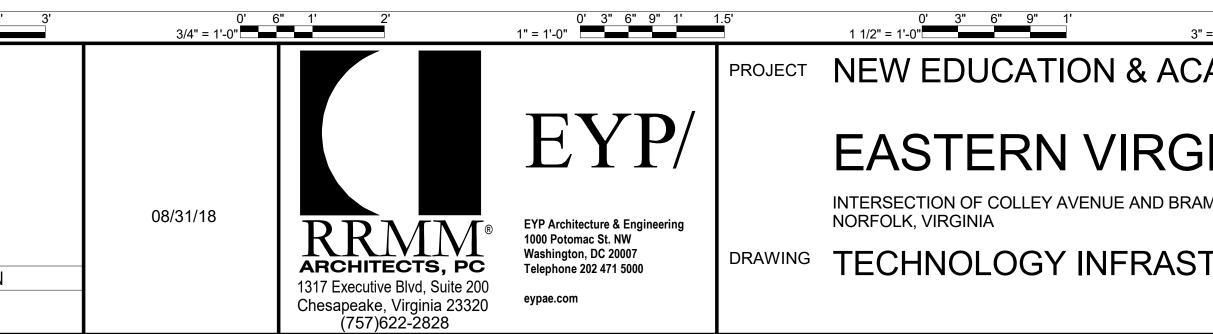
0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
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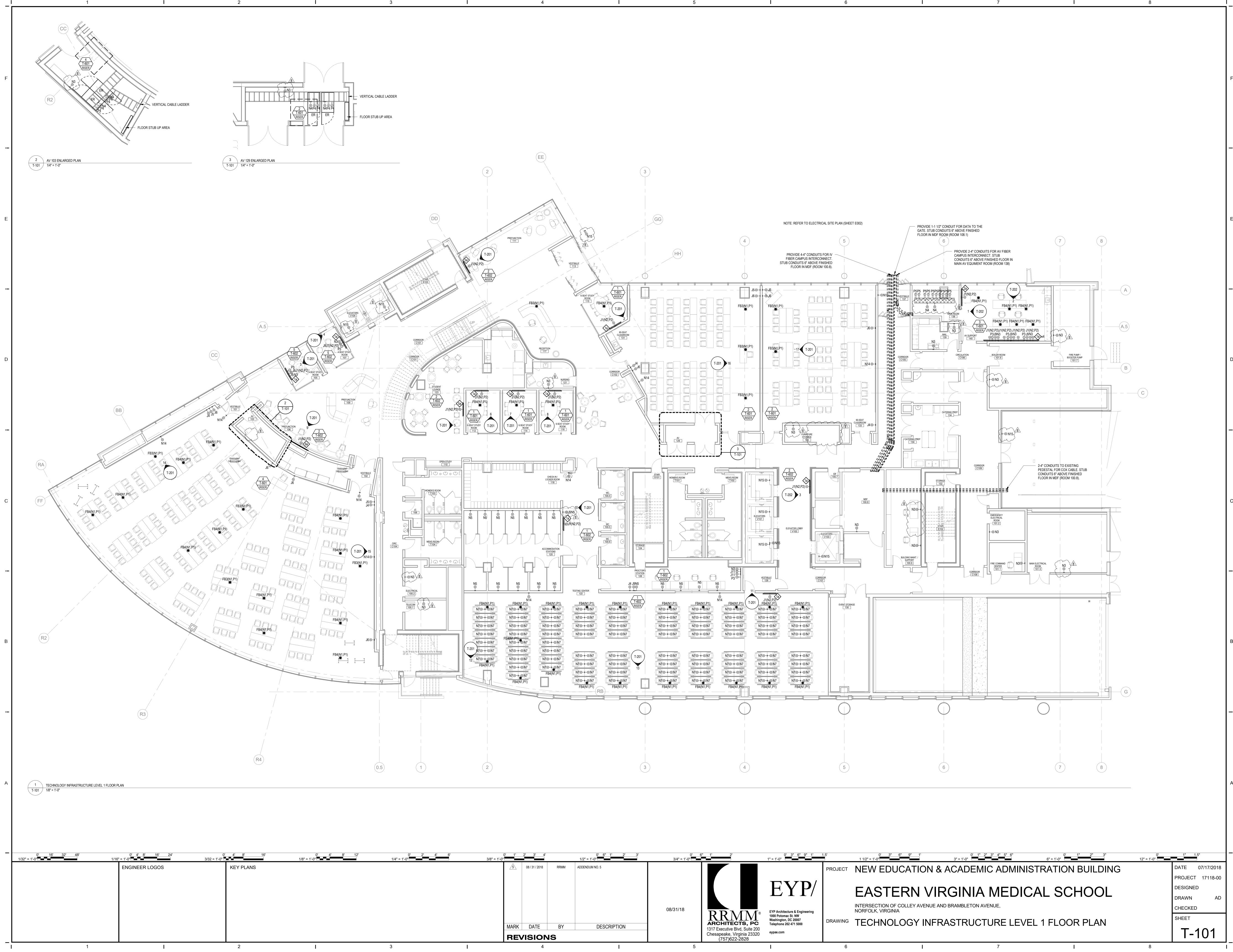






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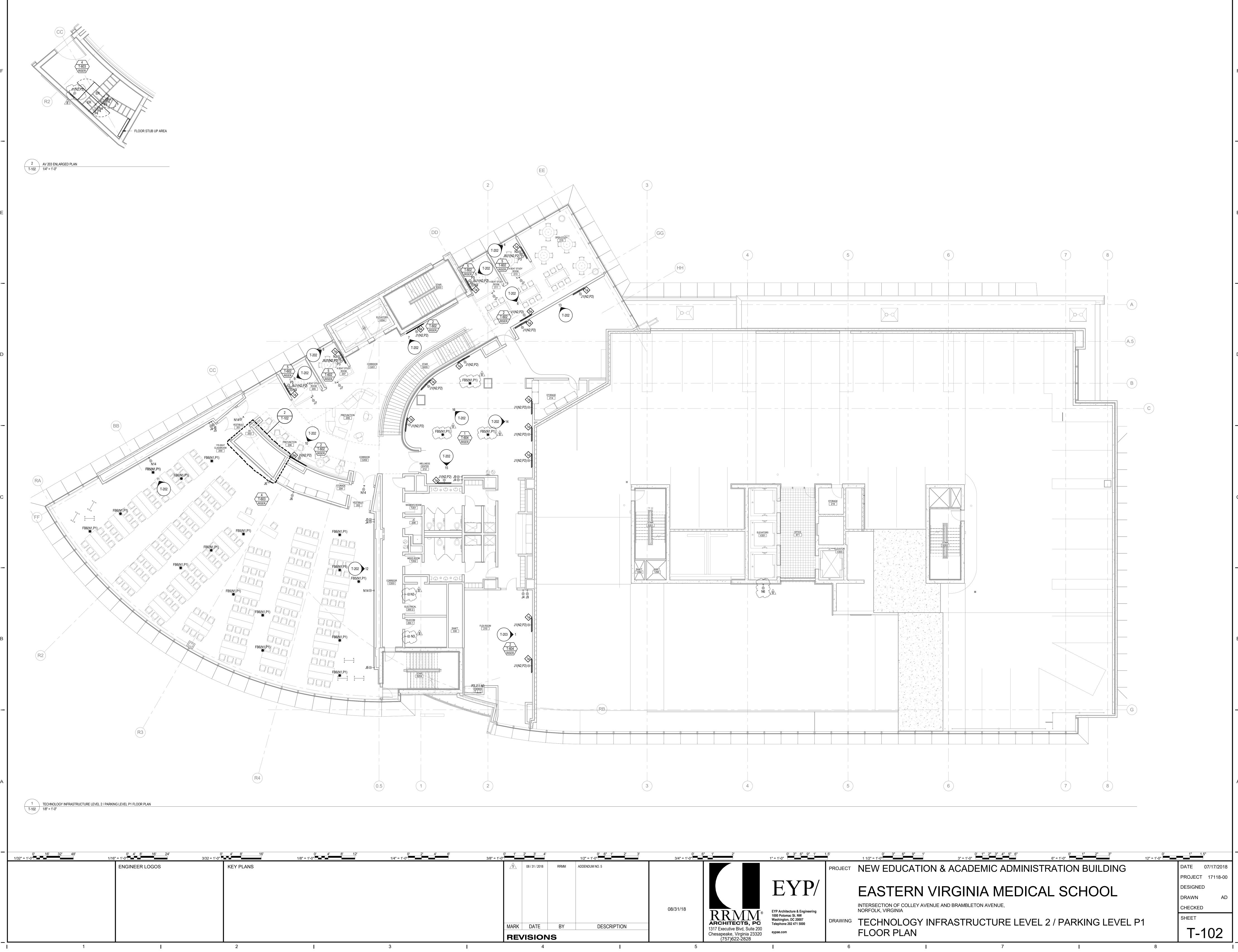


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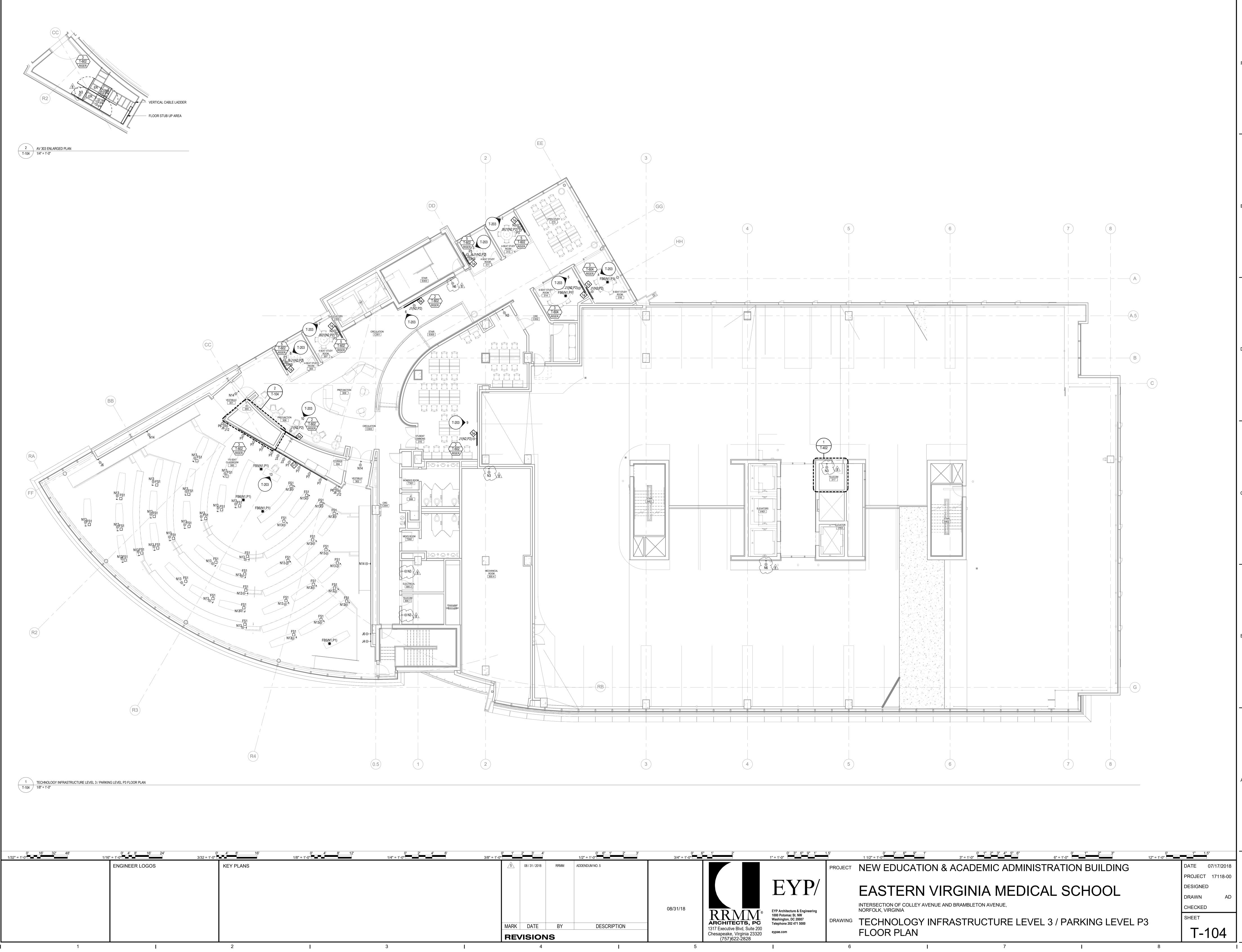
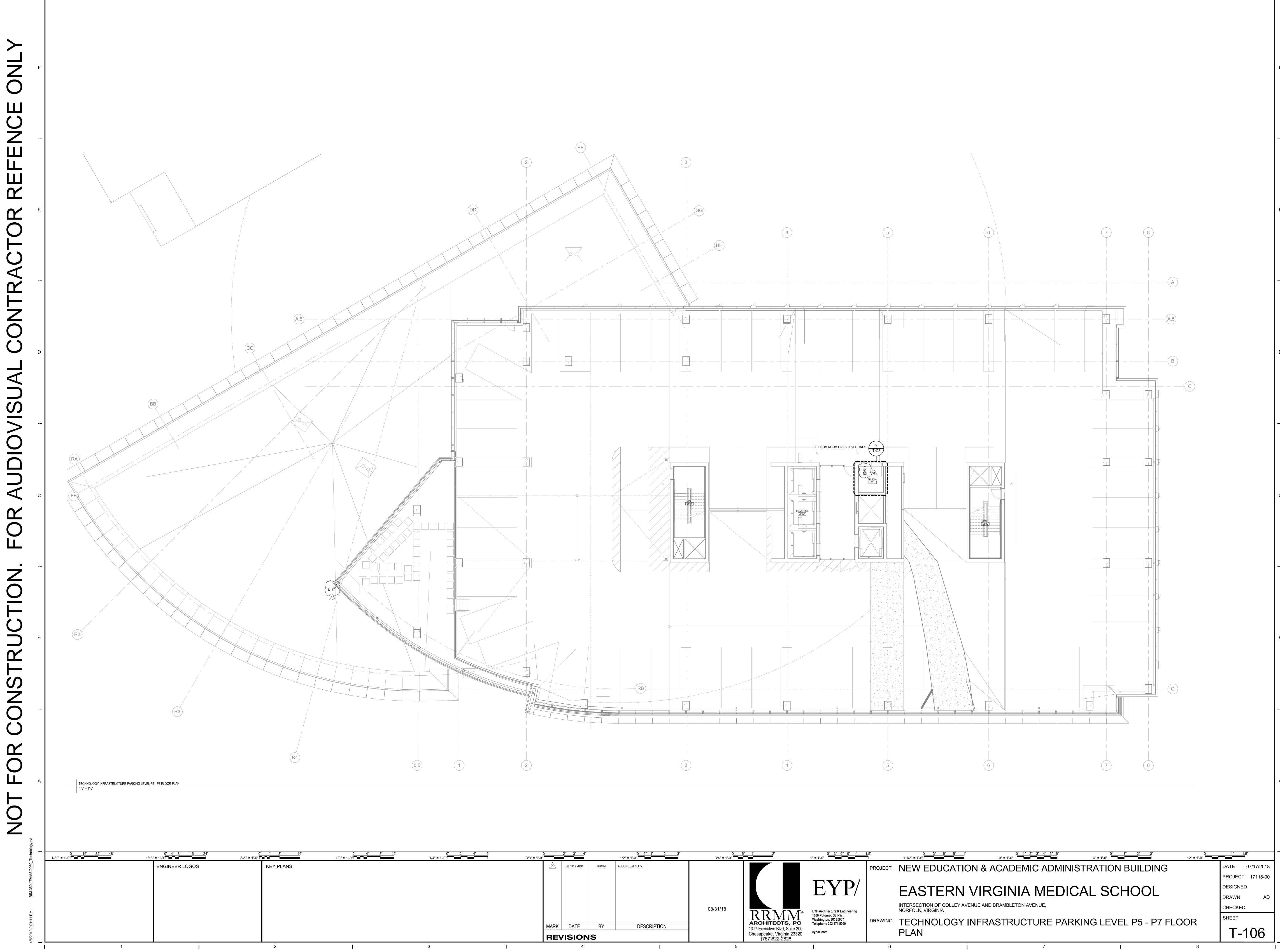
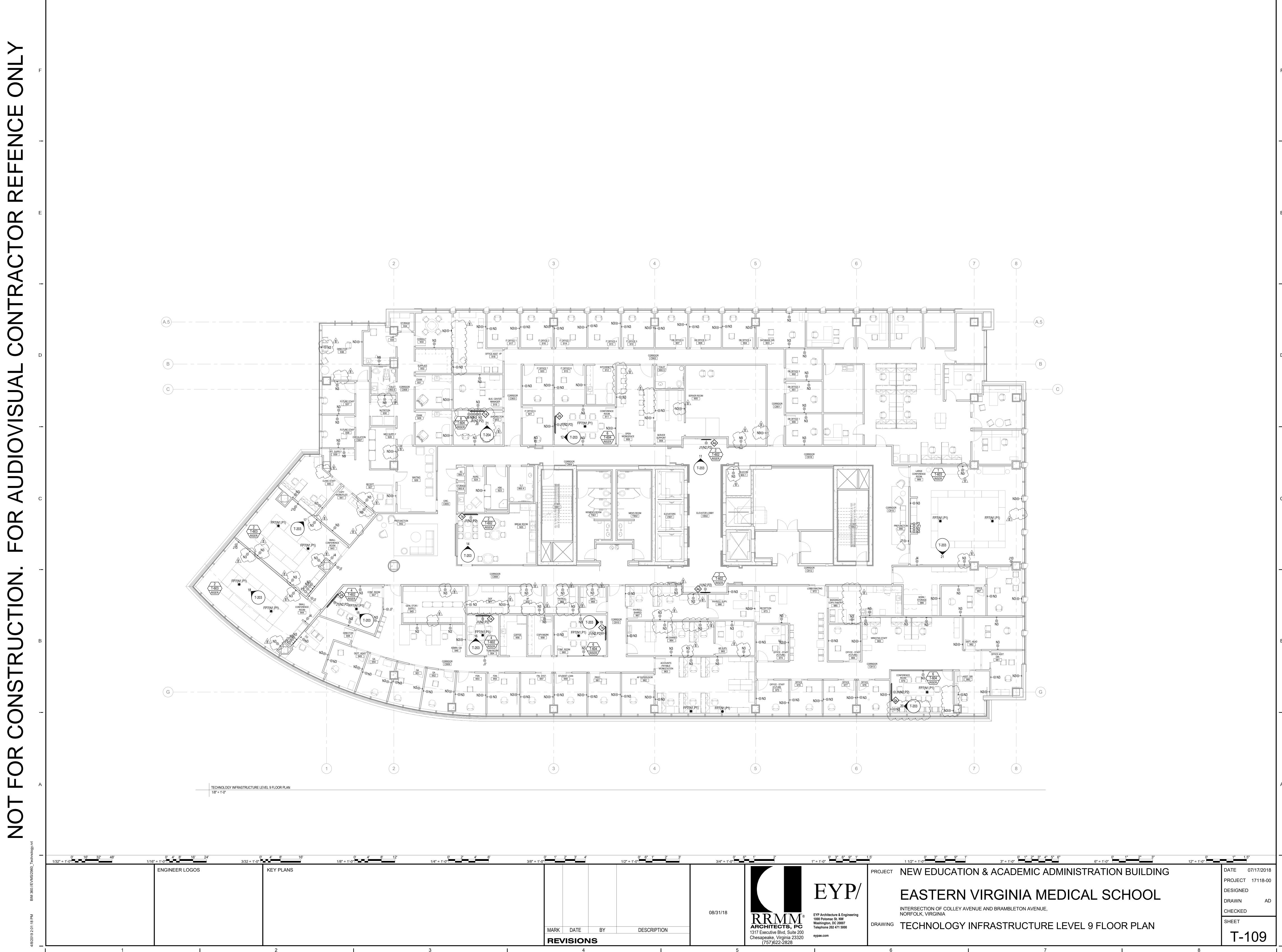


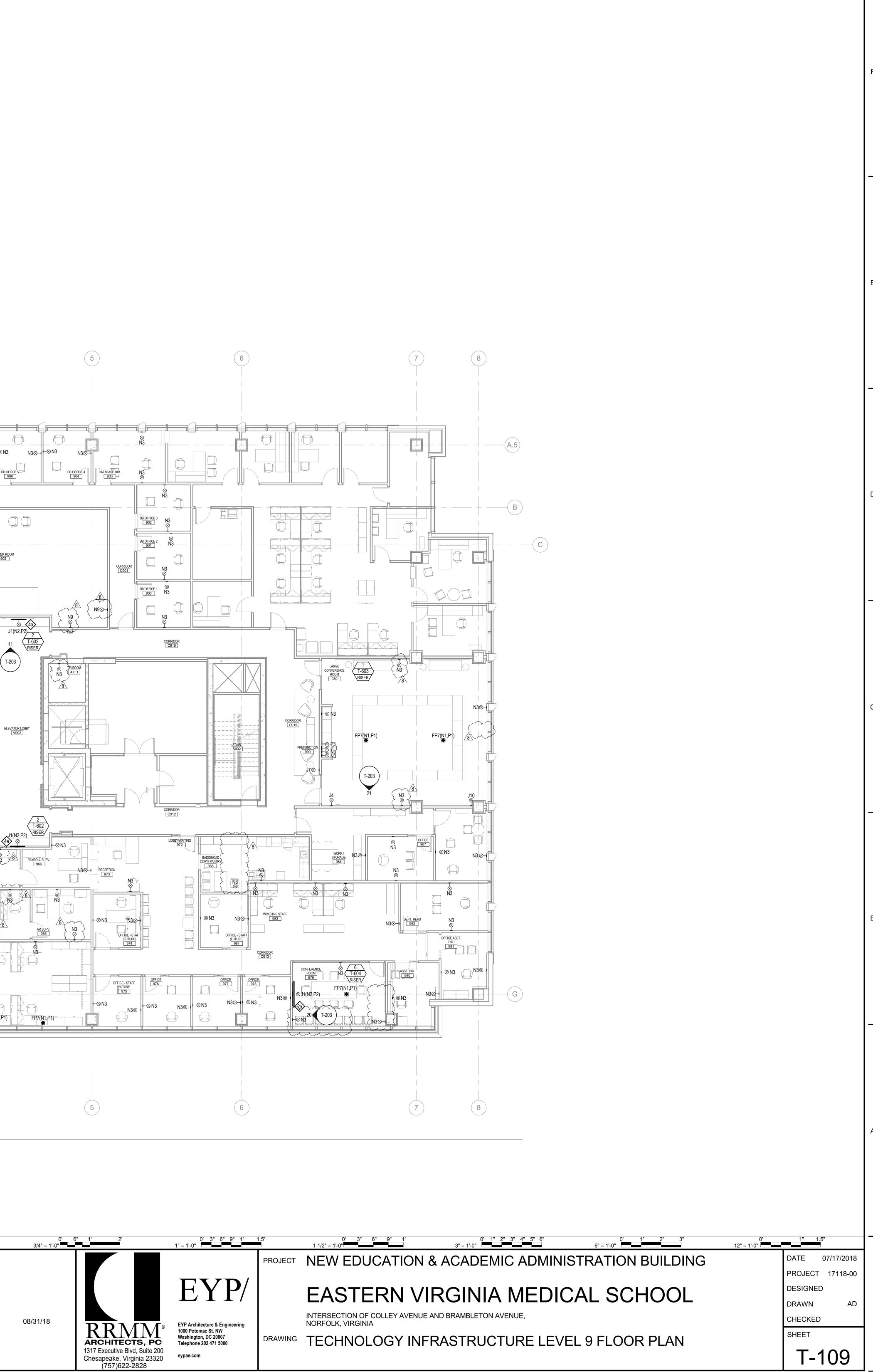
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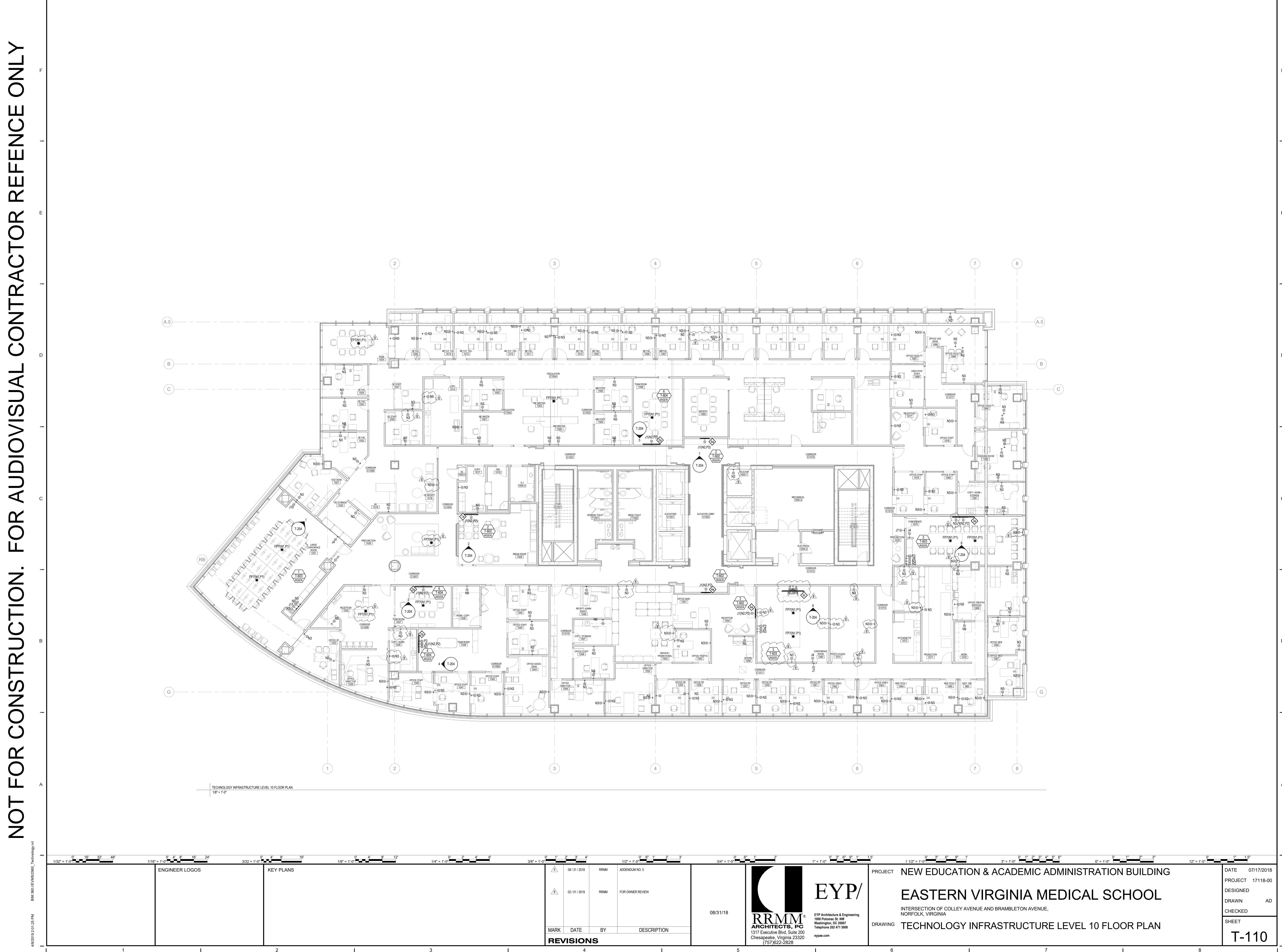


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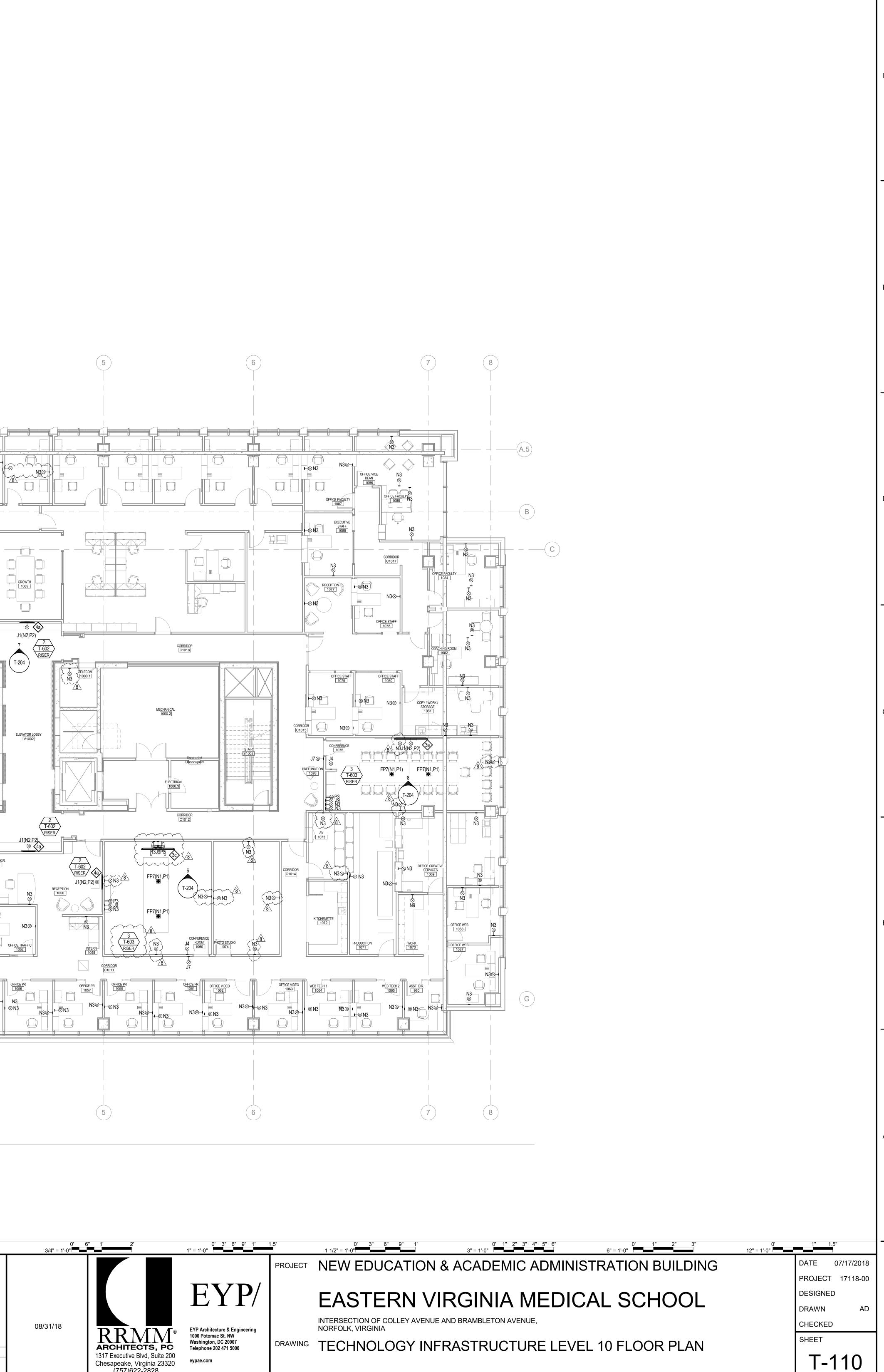


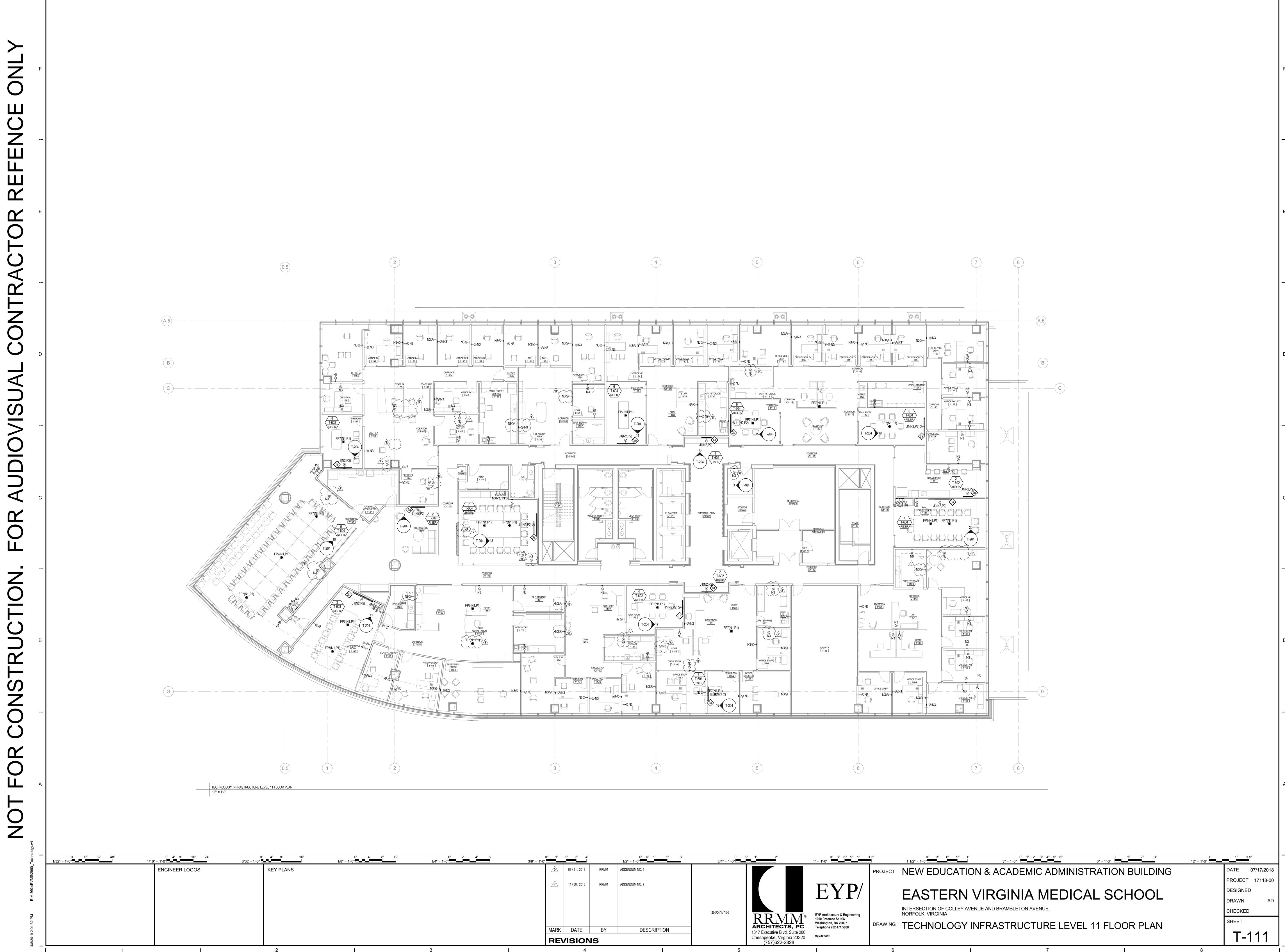
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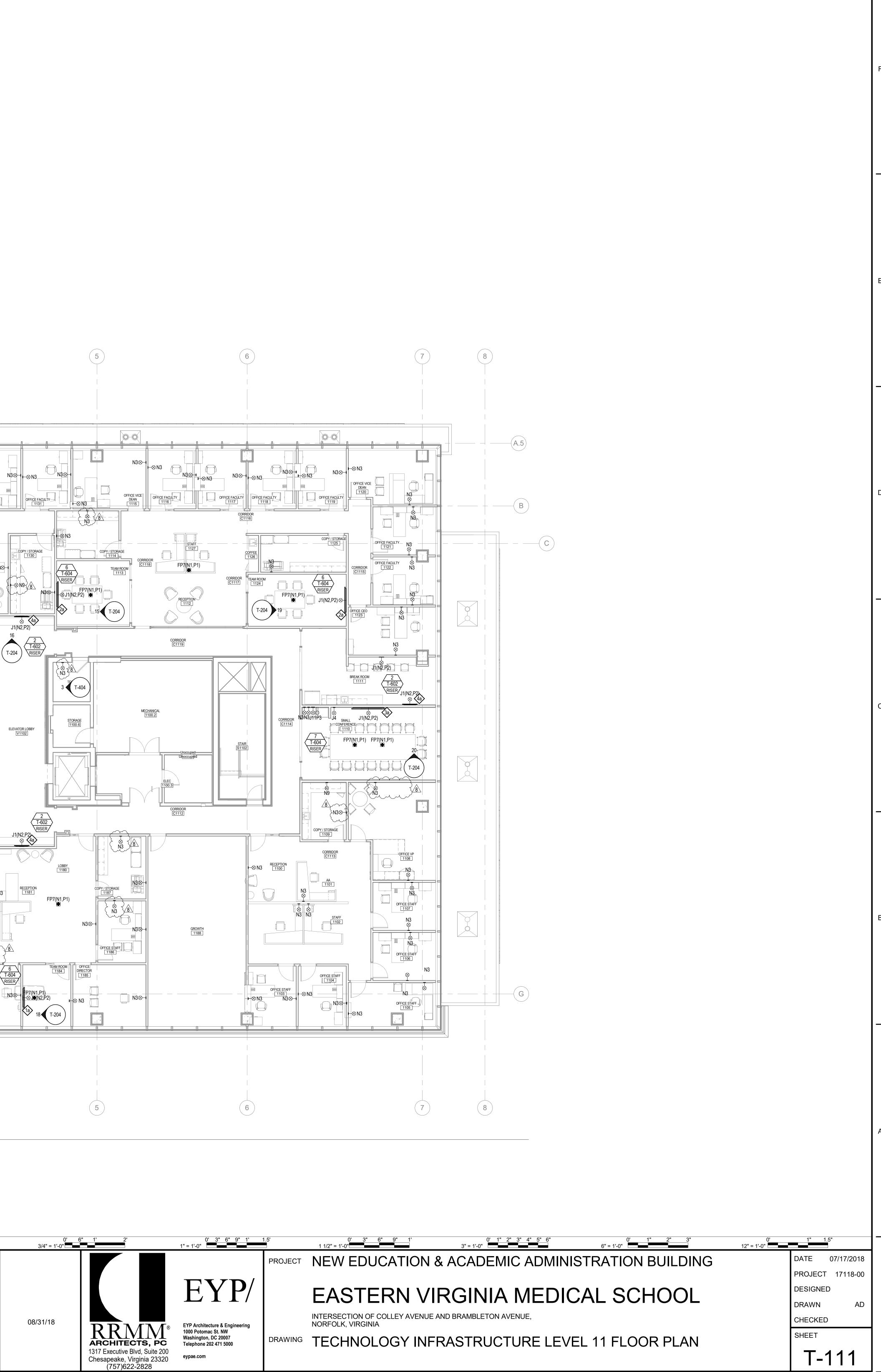


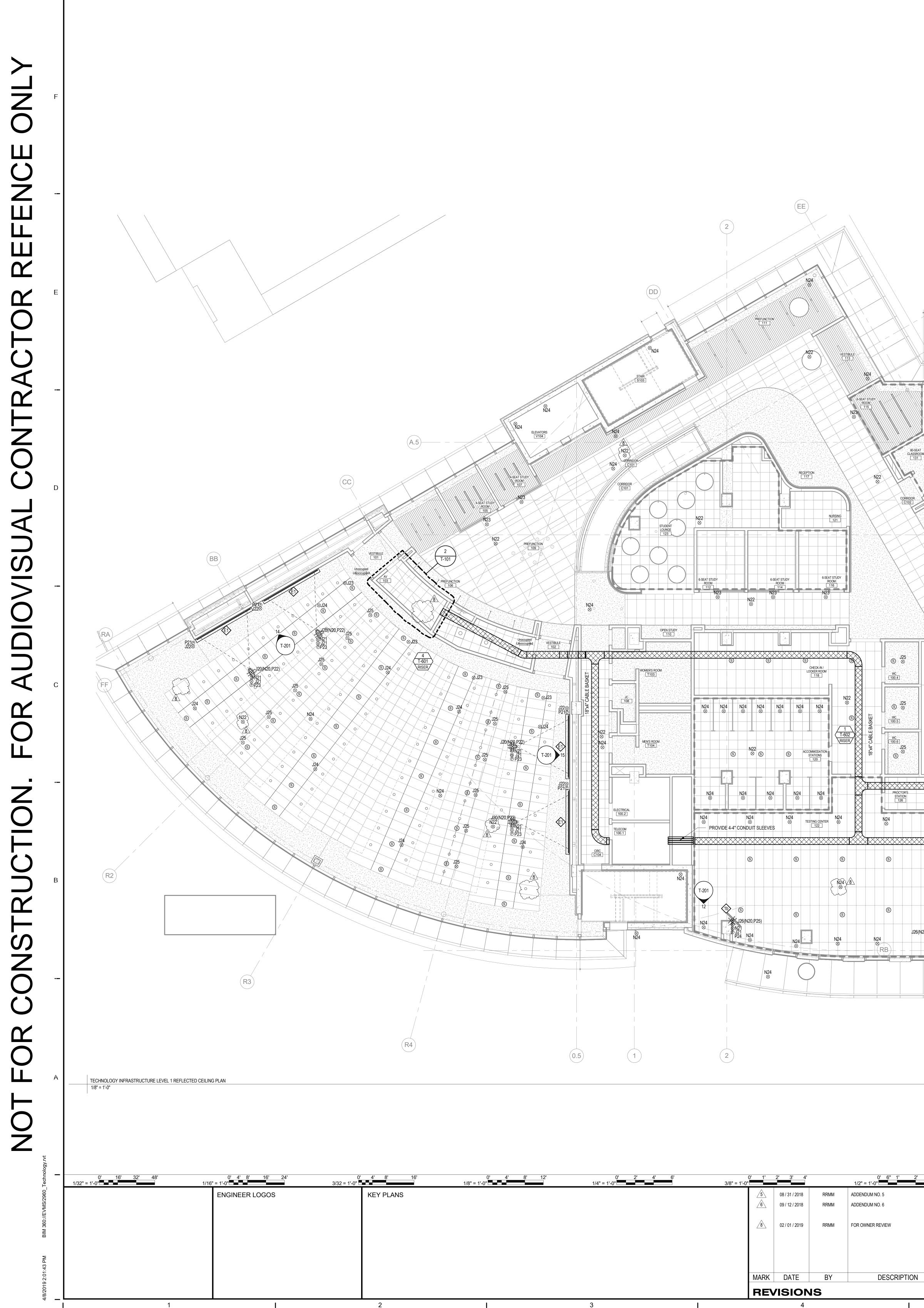
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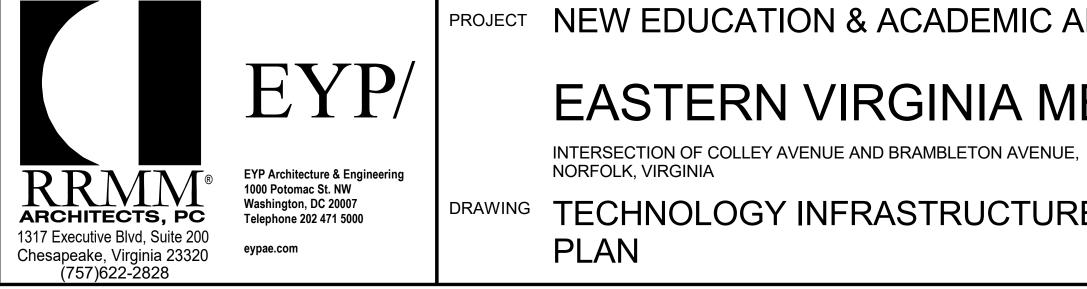


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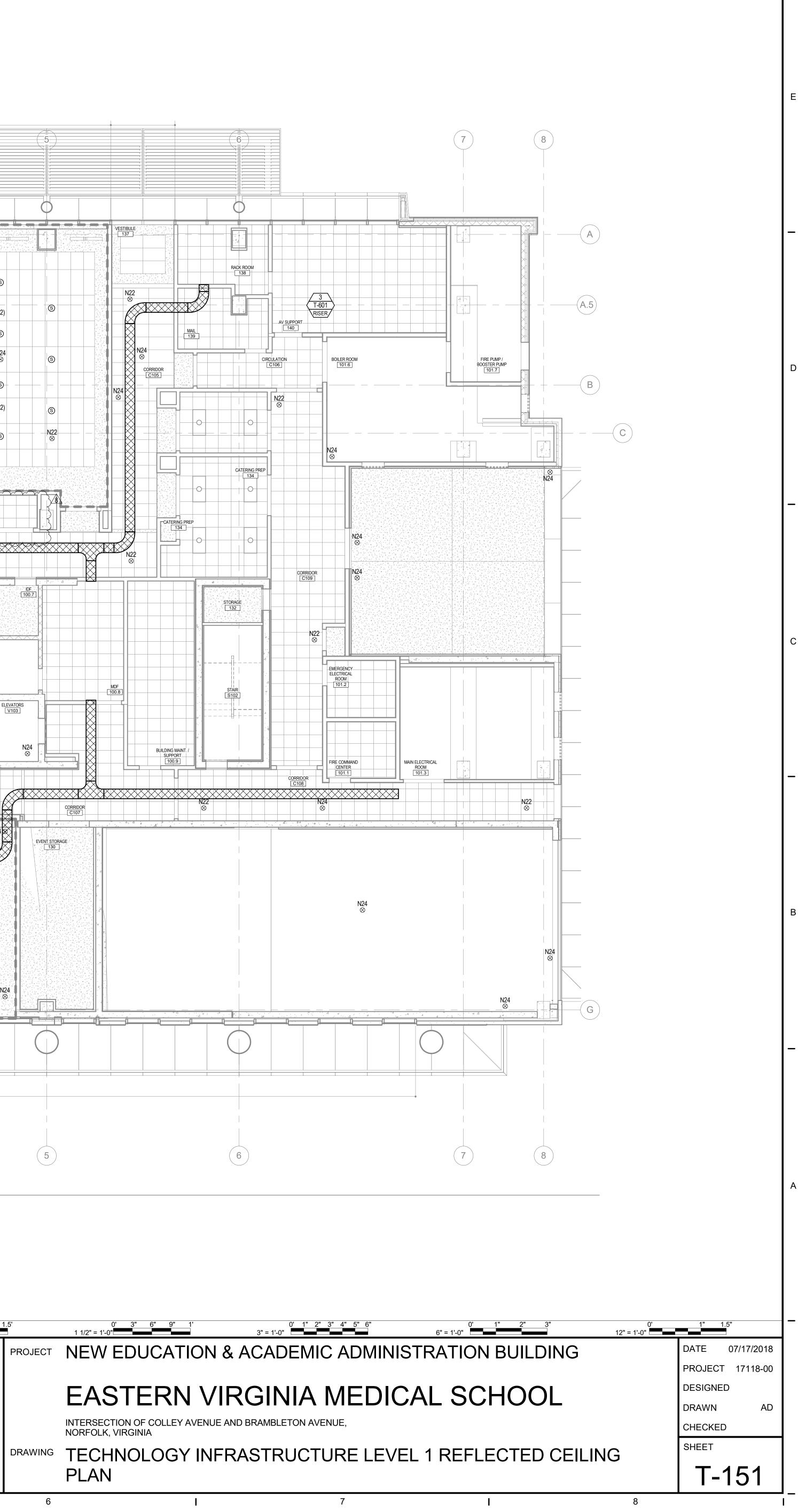
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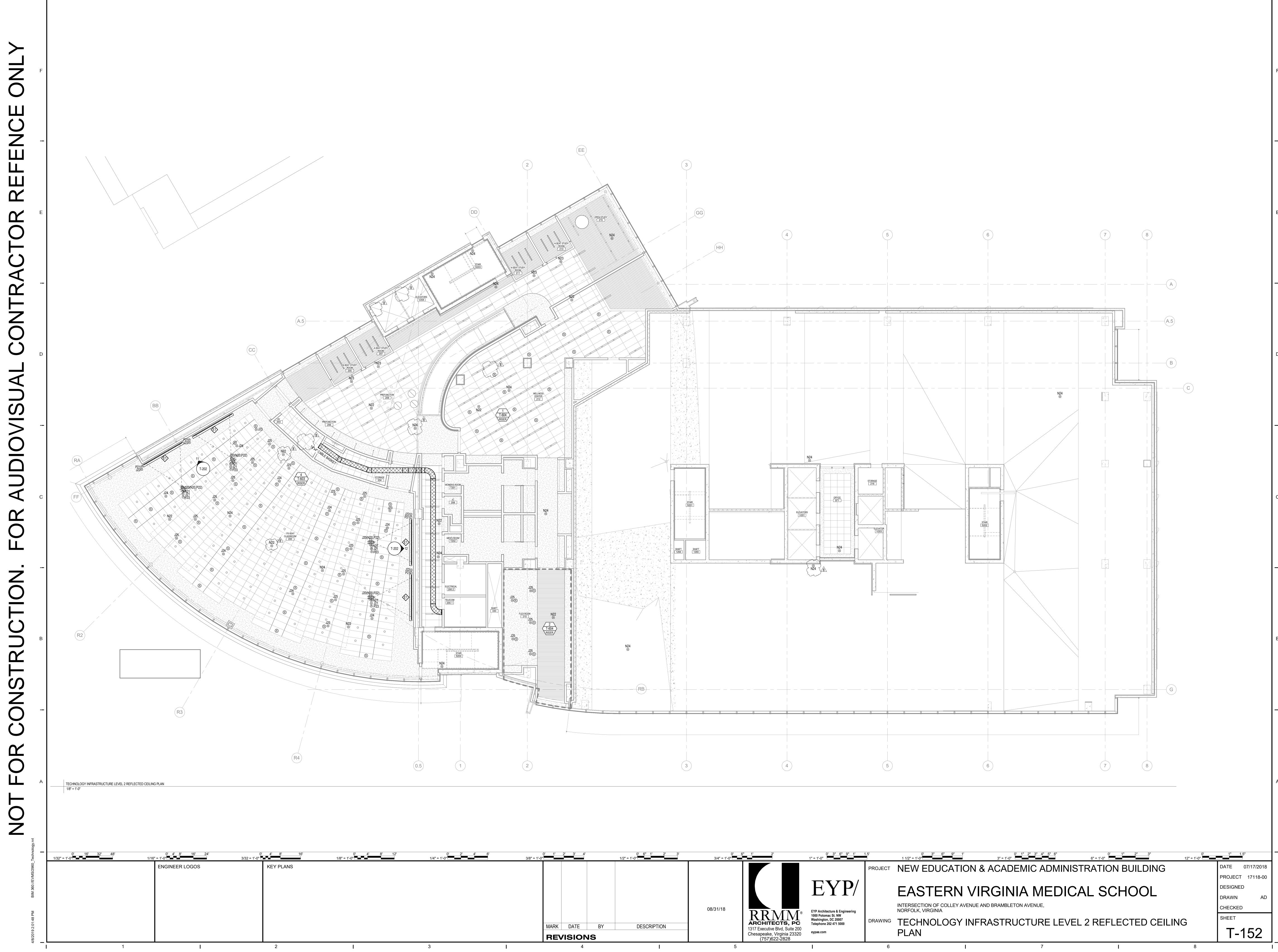
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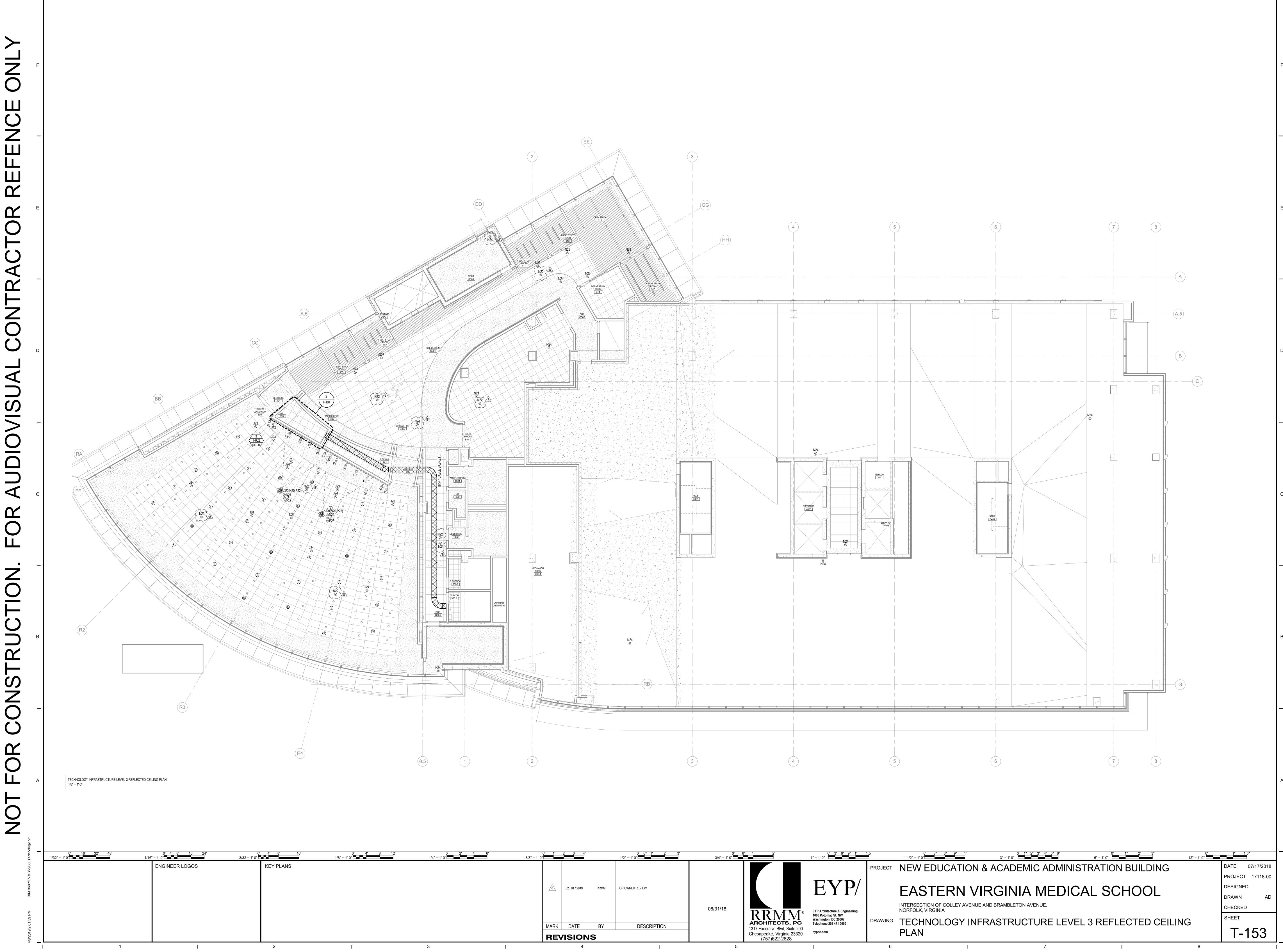
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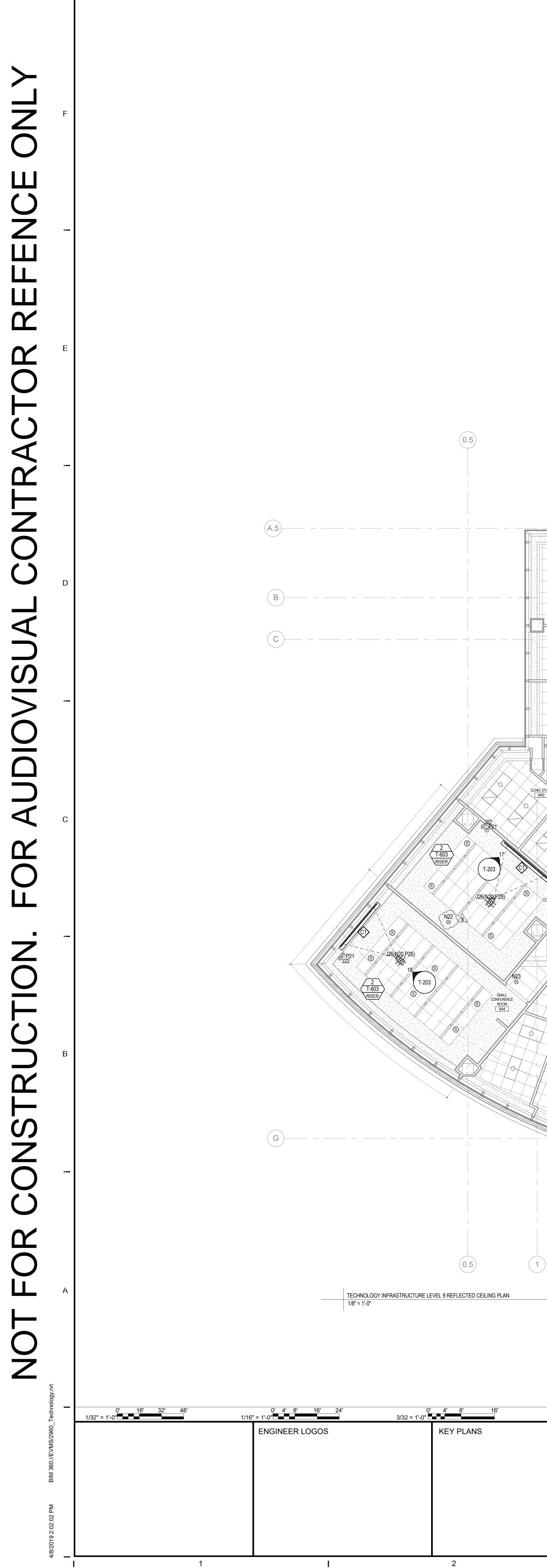




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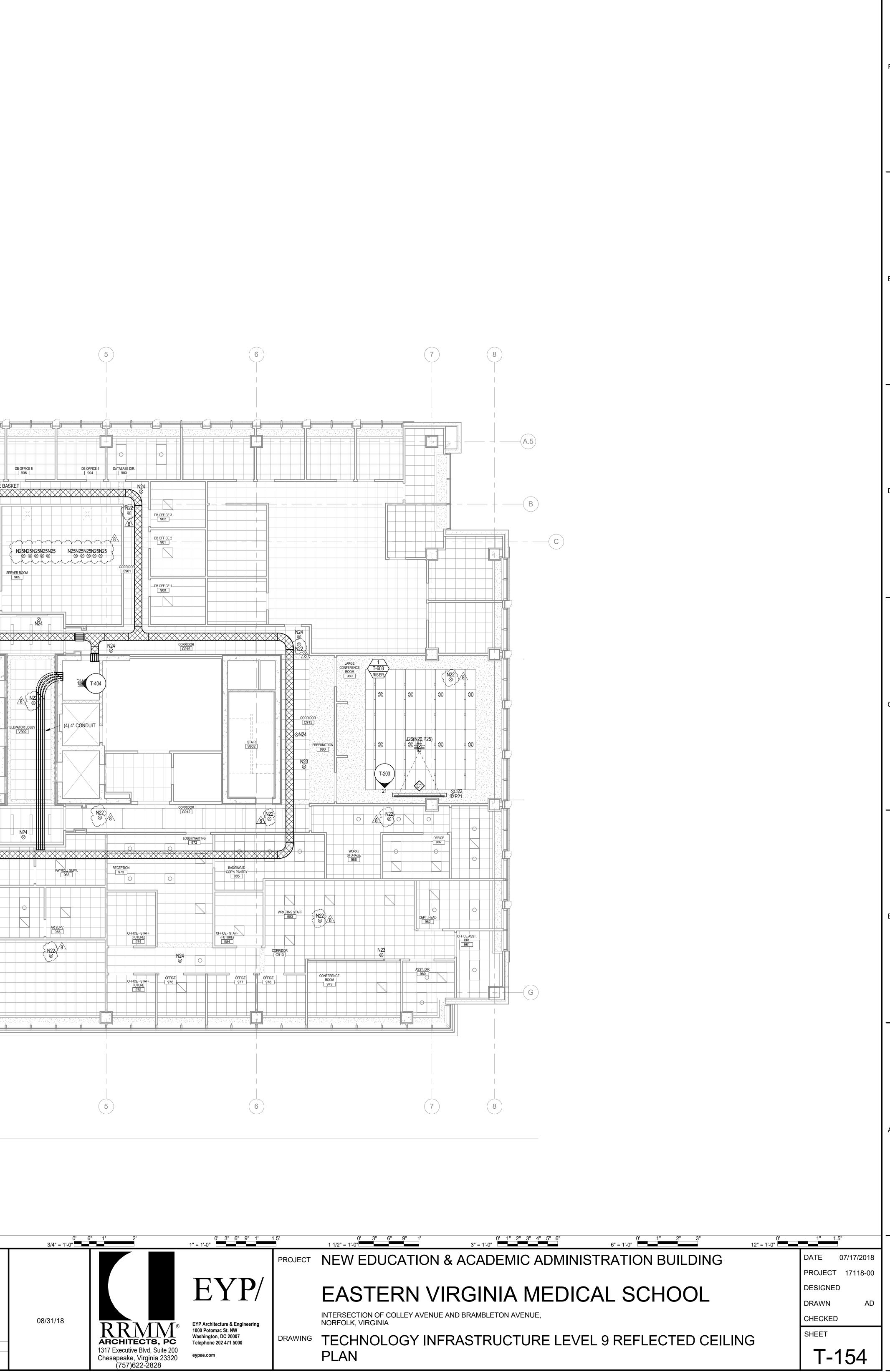


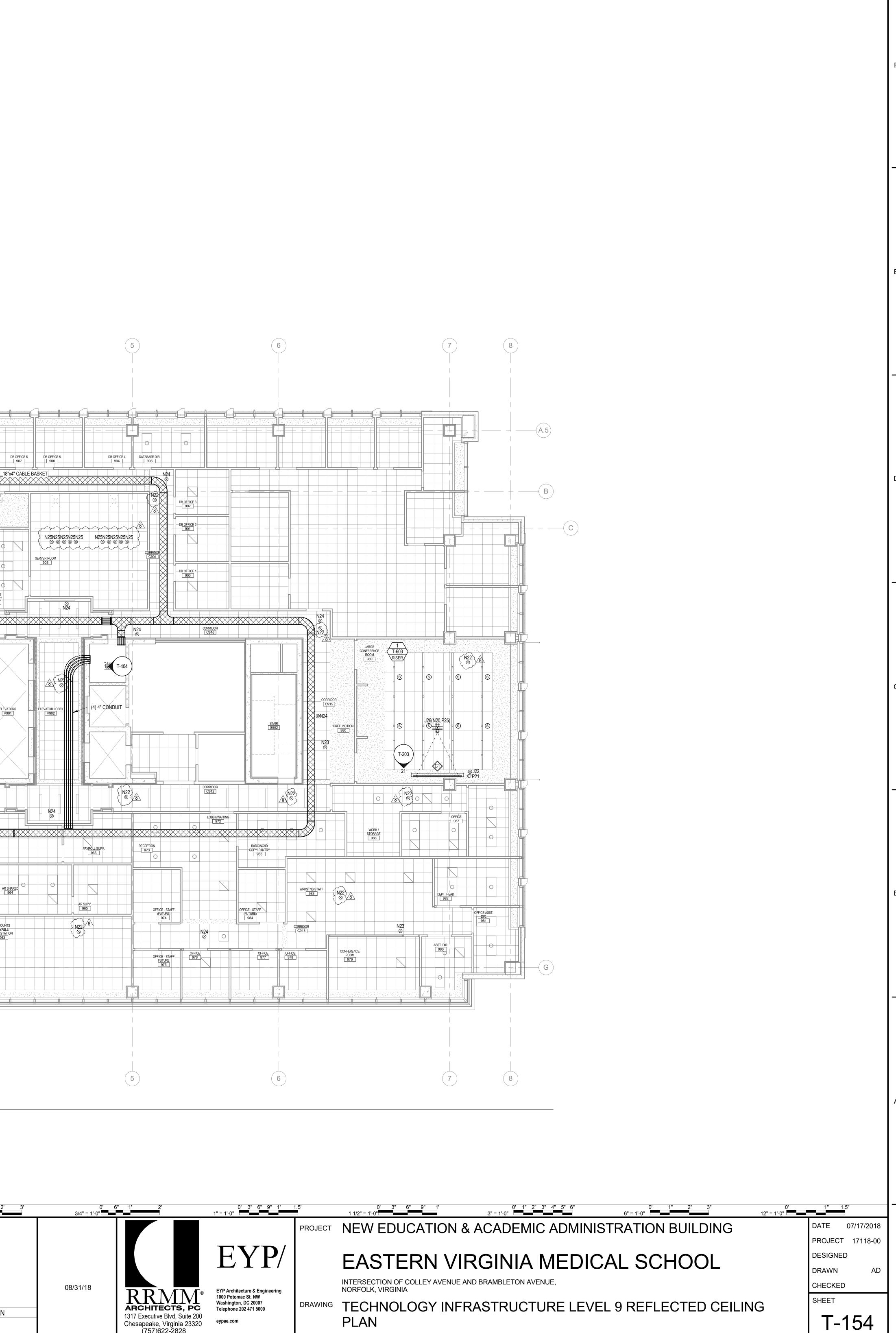
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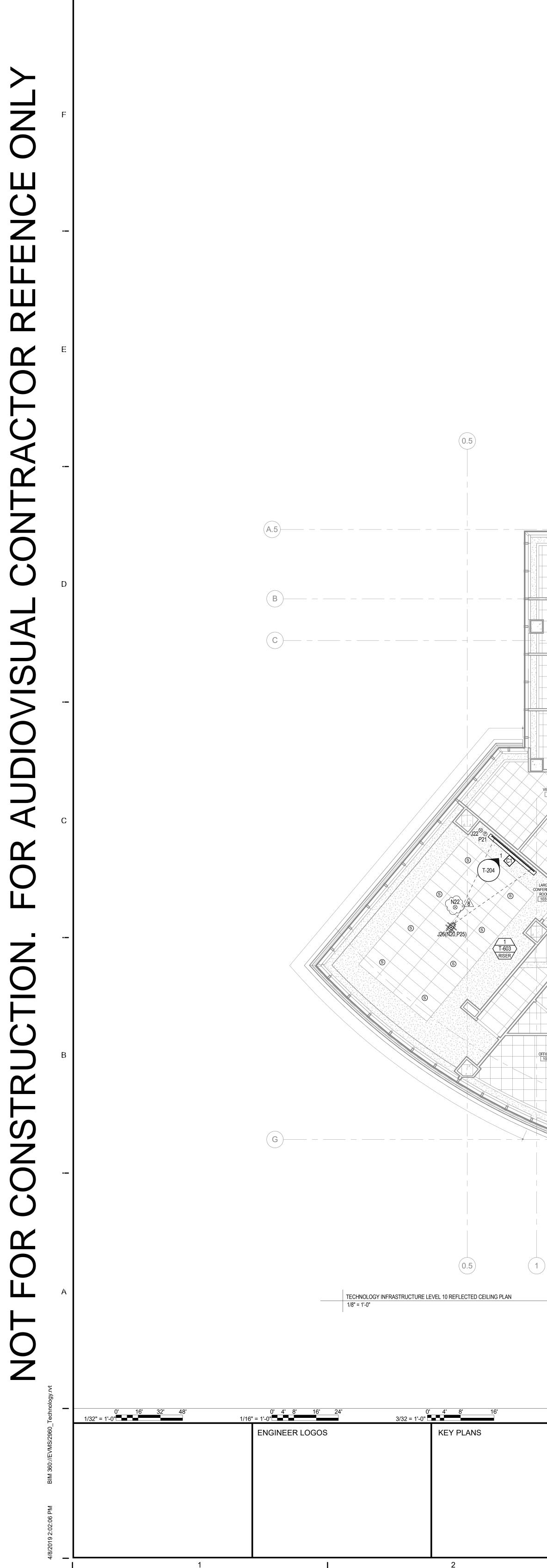


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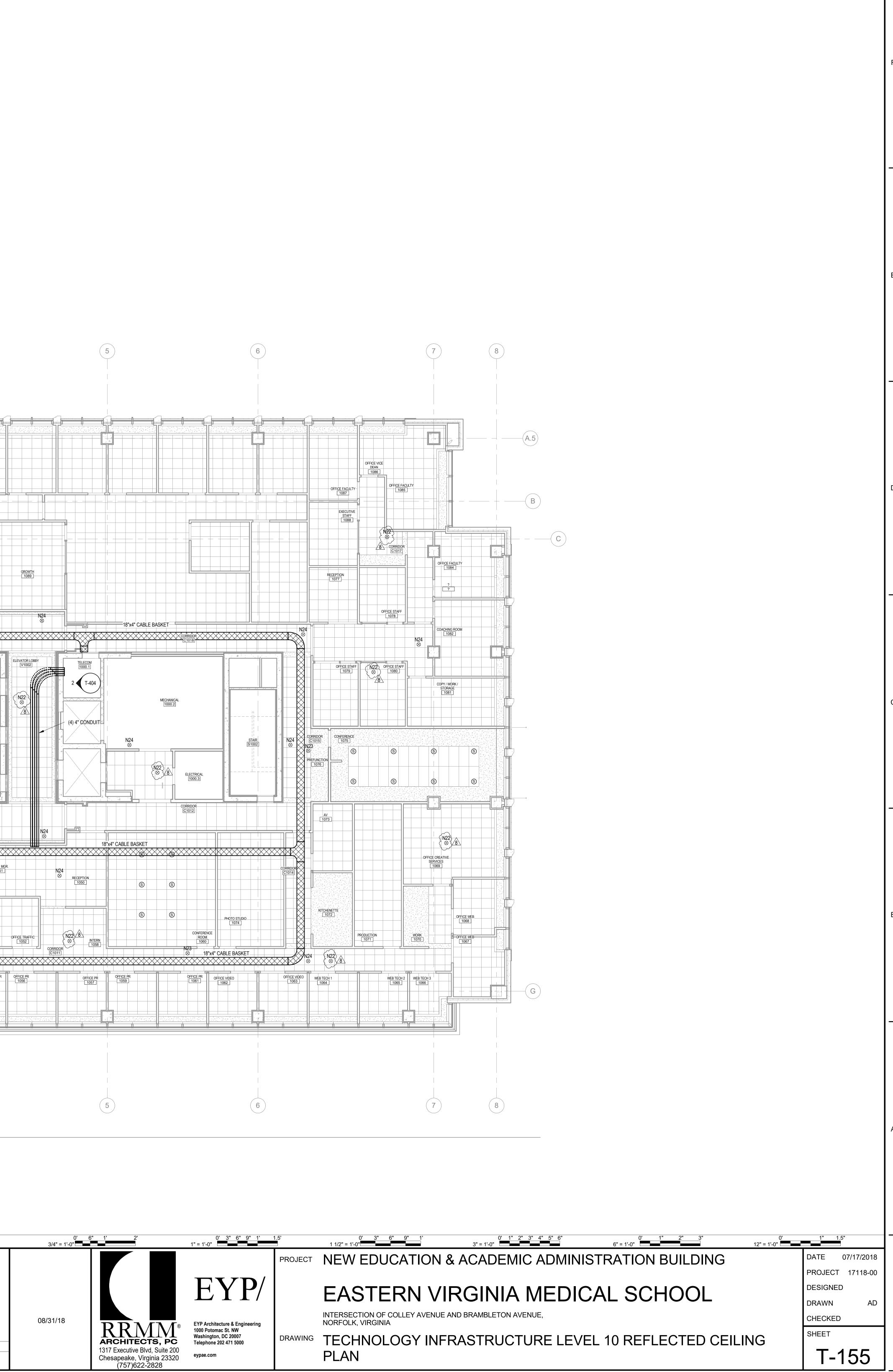


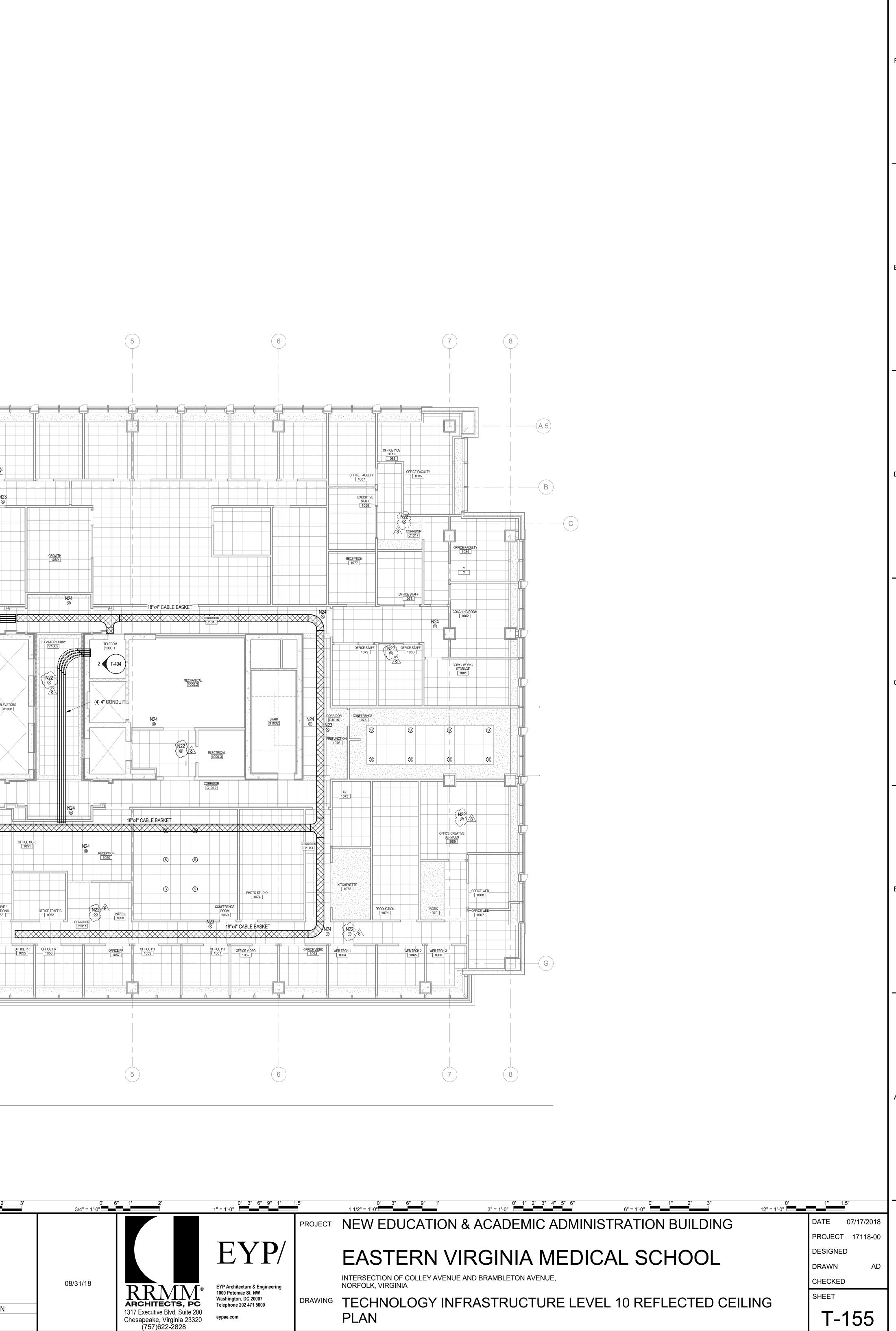


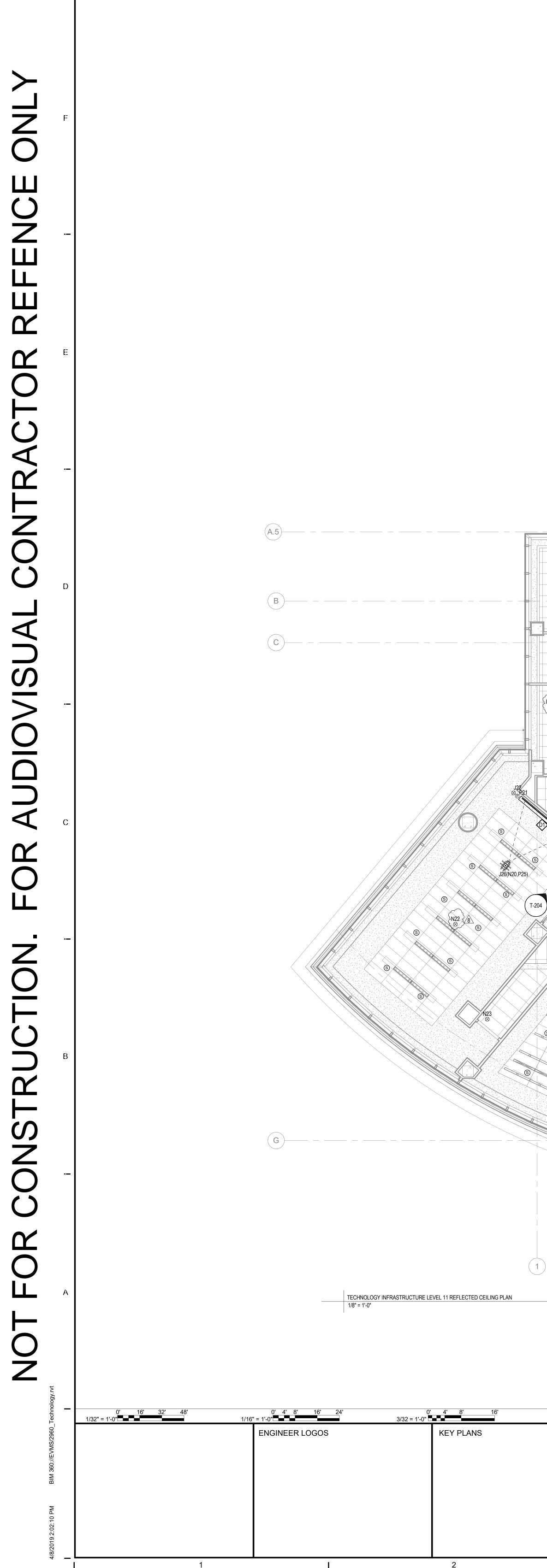


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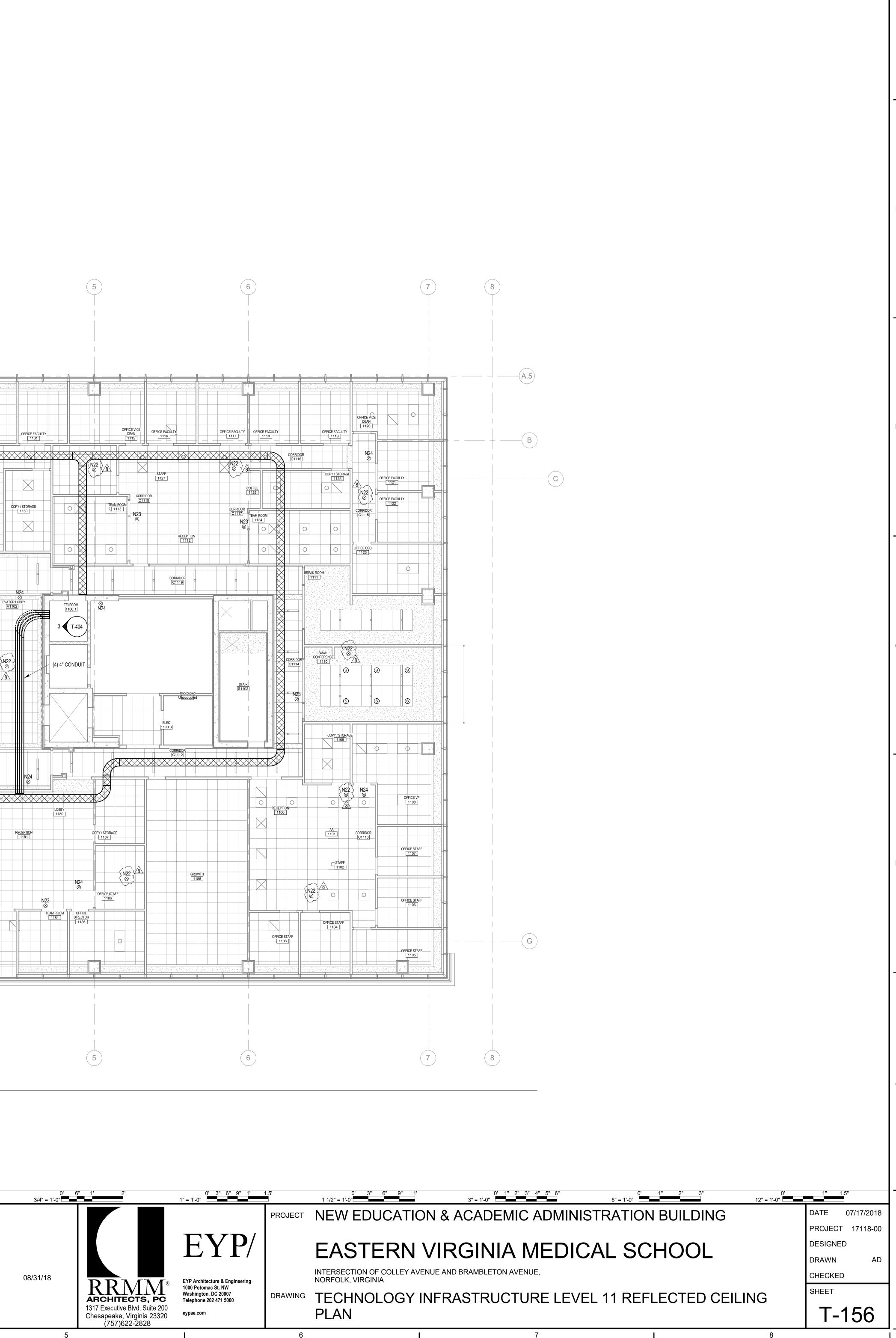


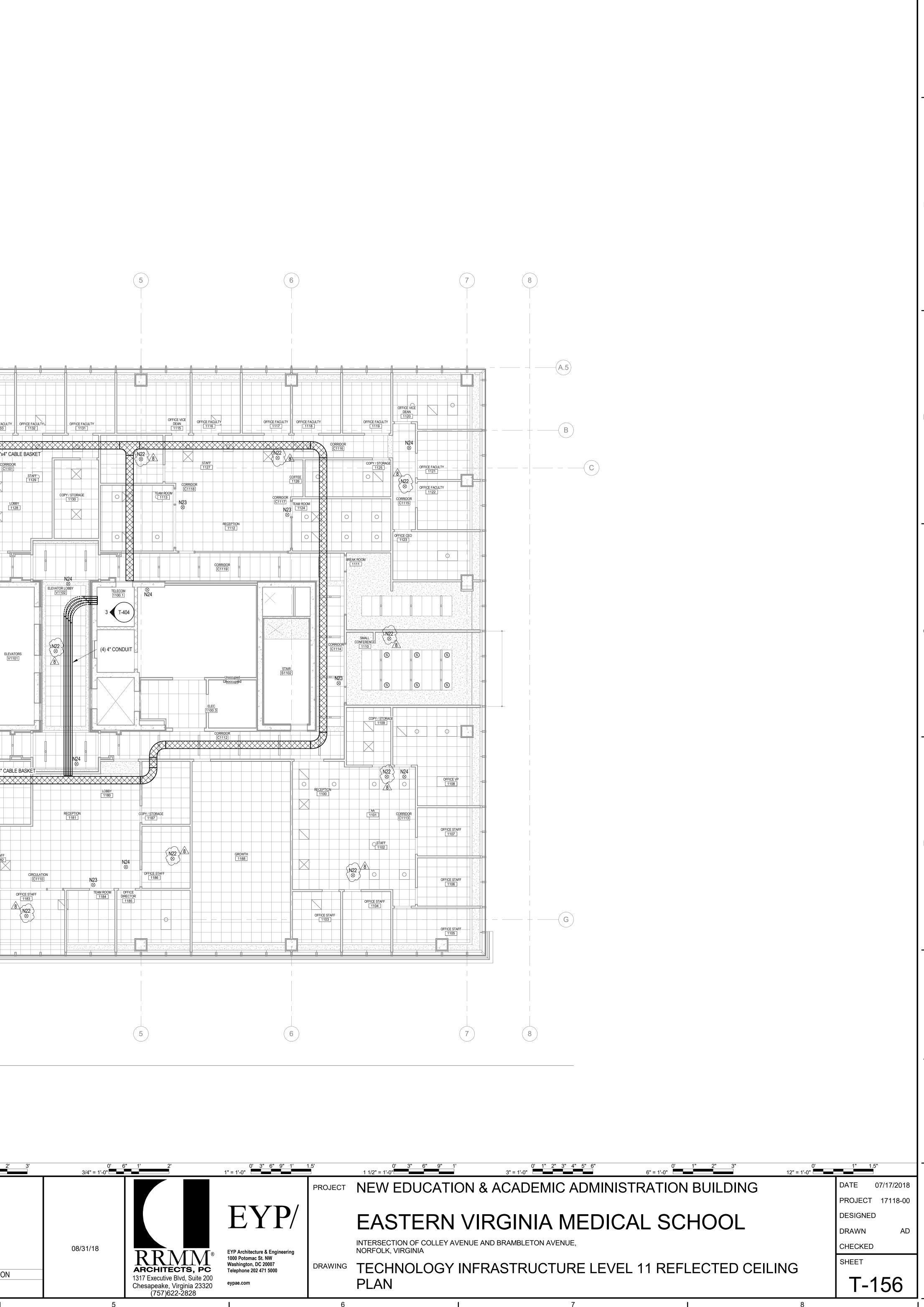




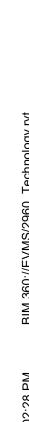
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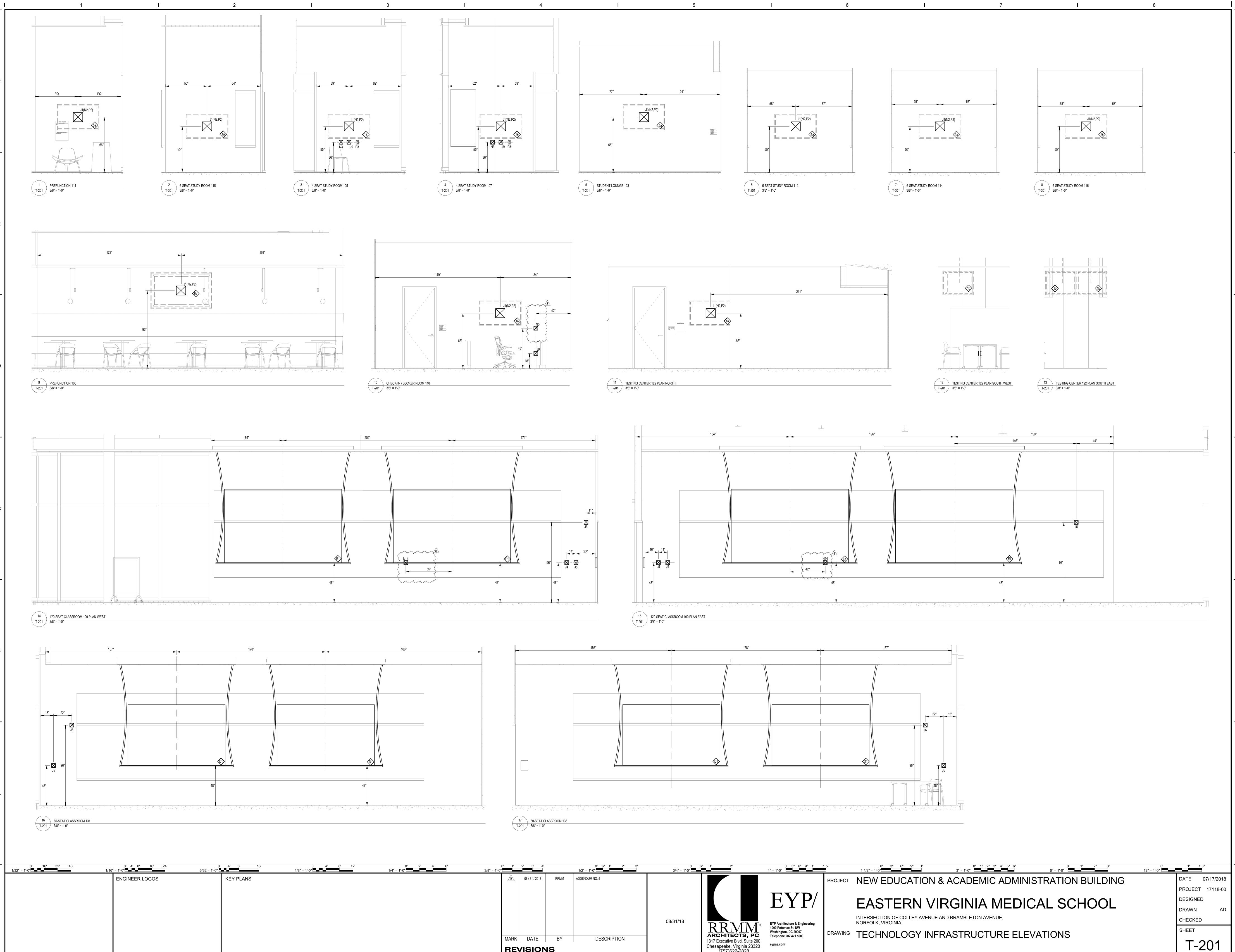
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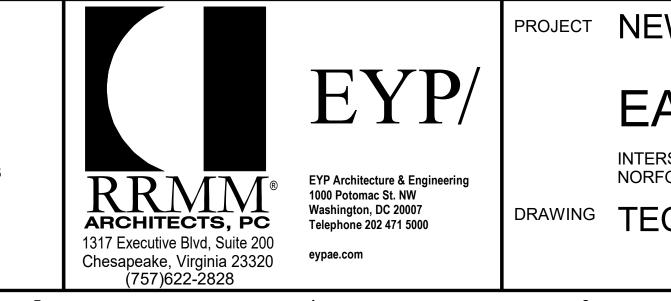


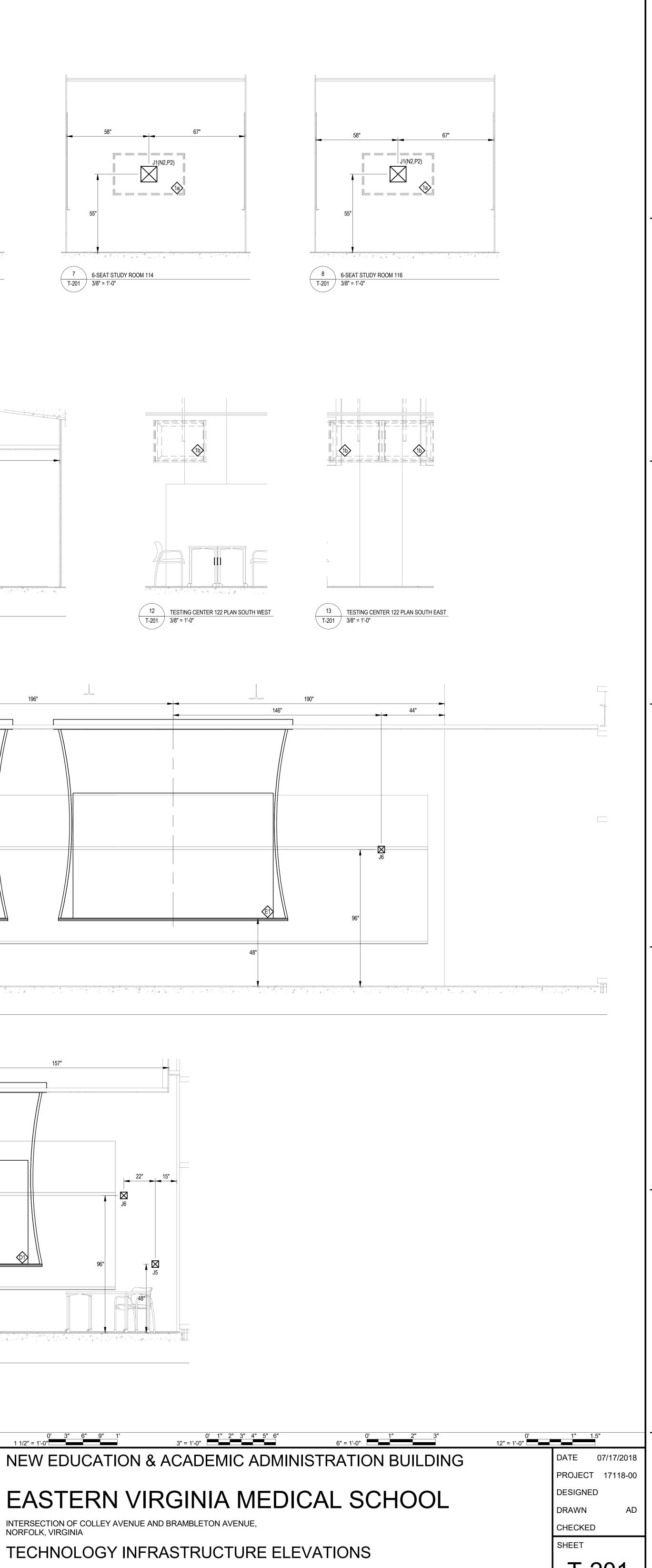




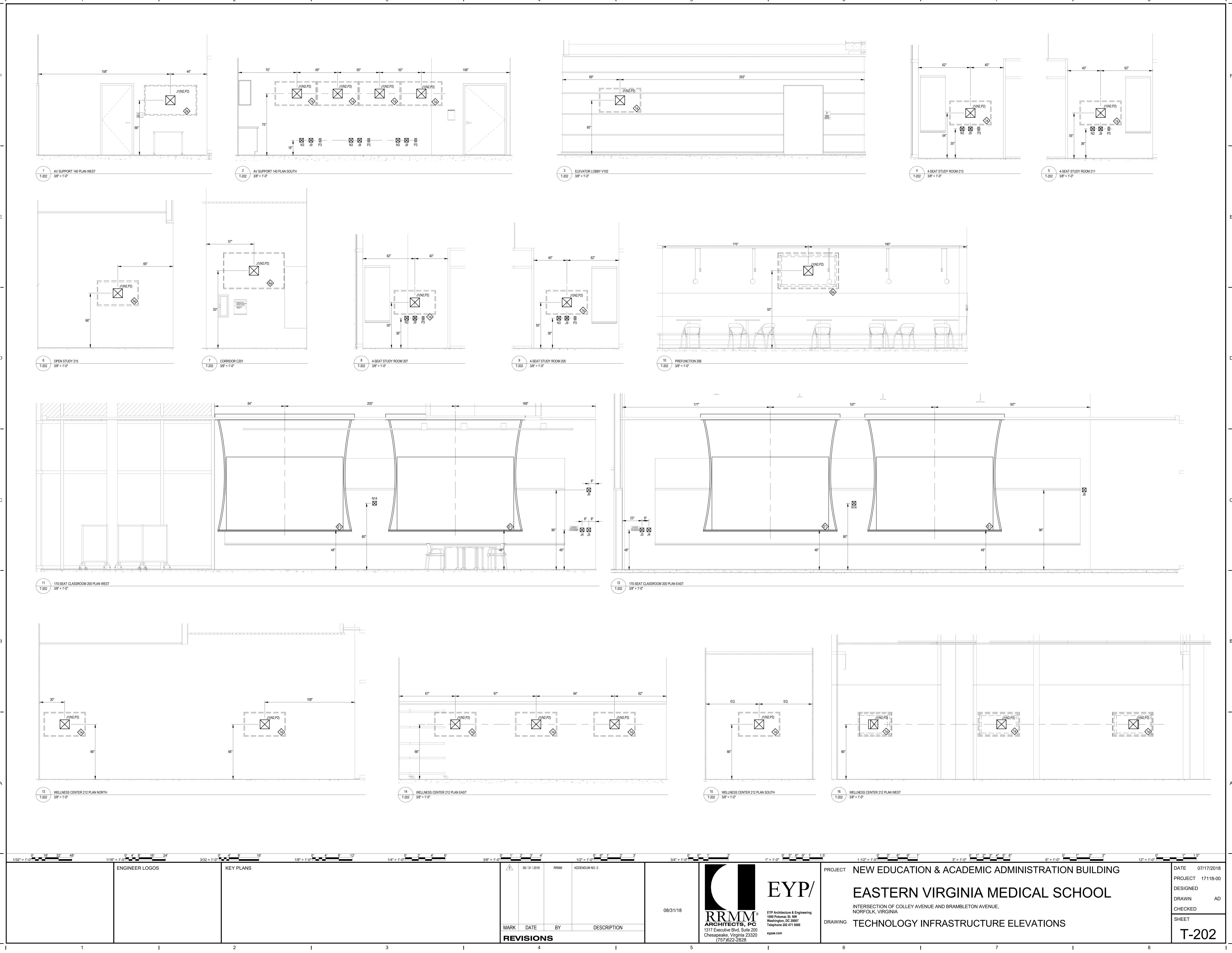


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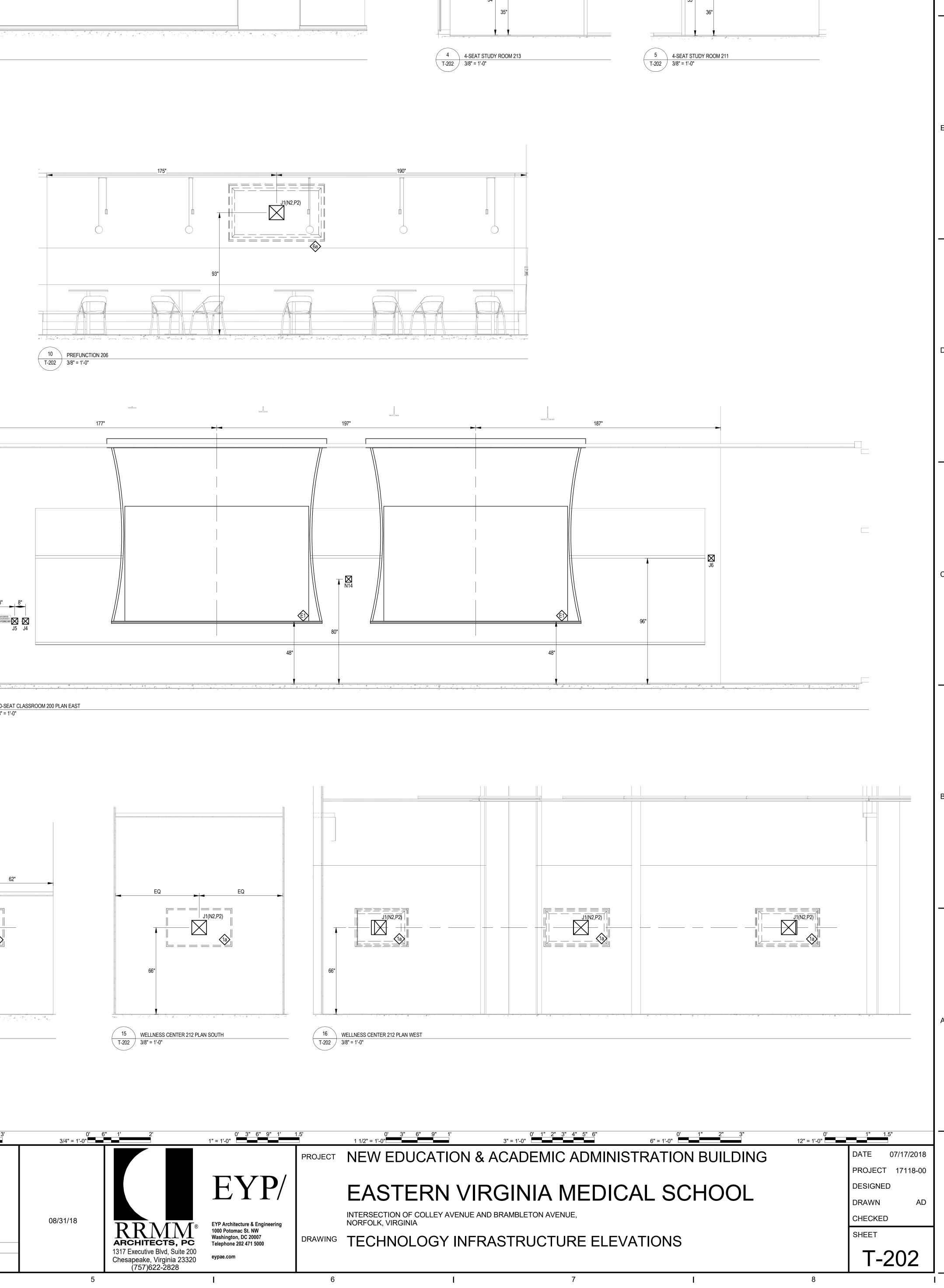




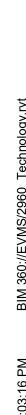
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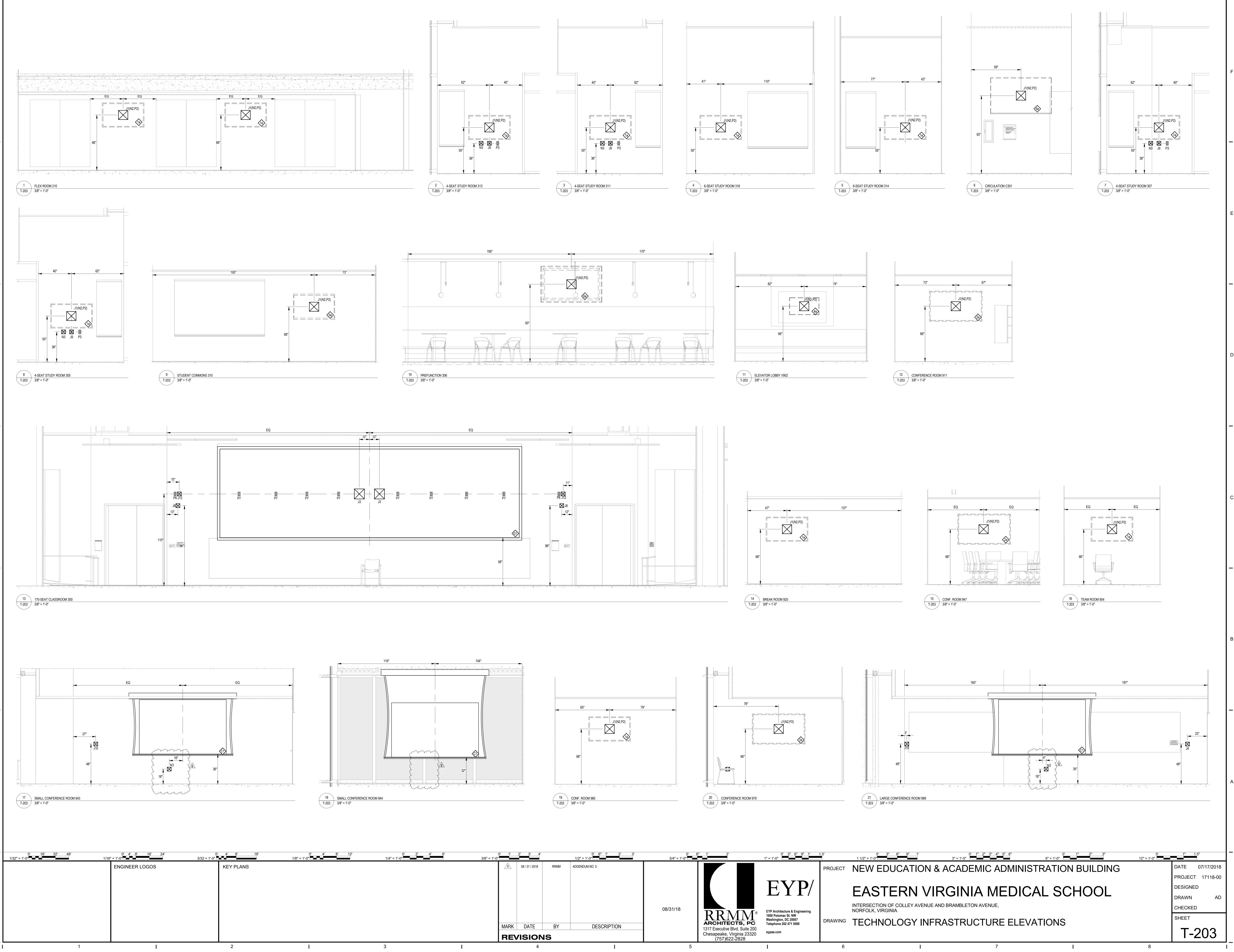


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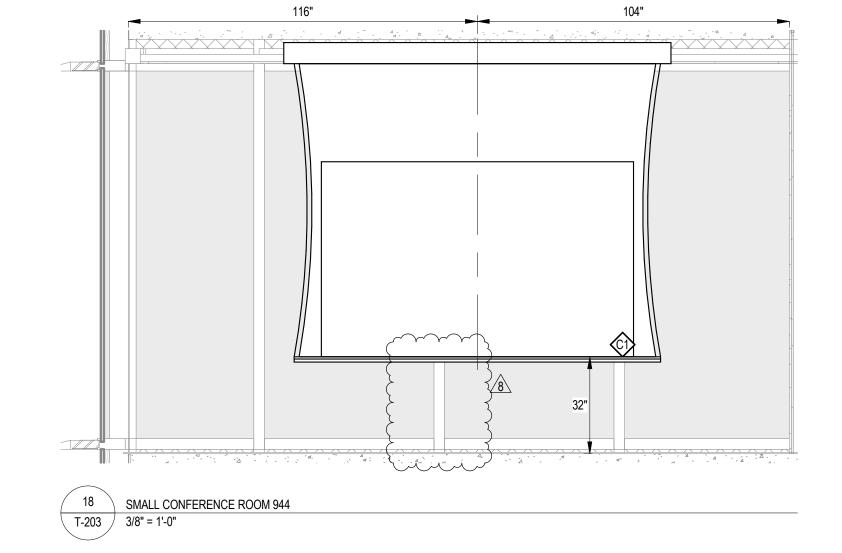


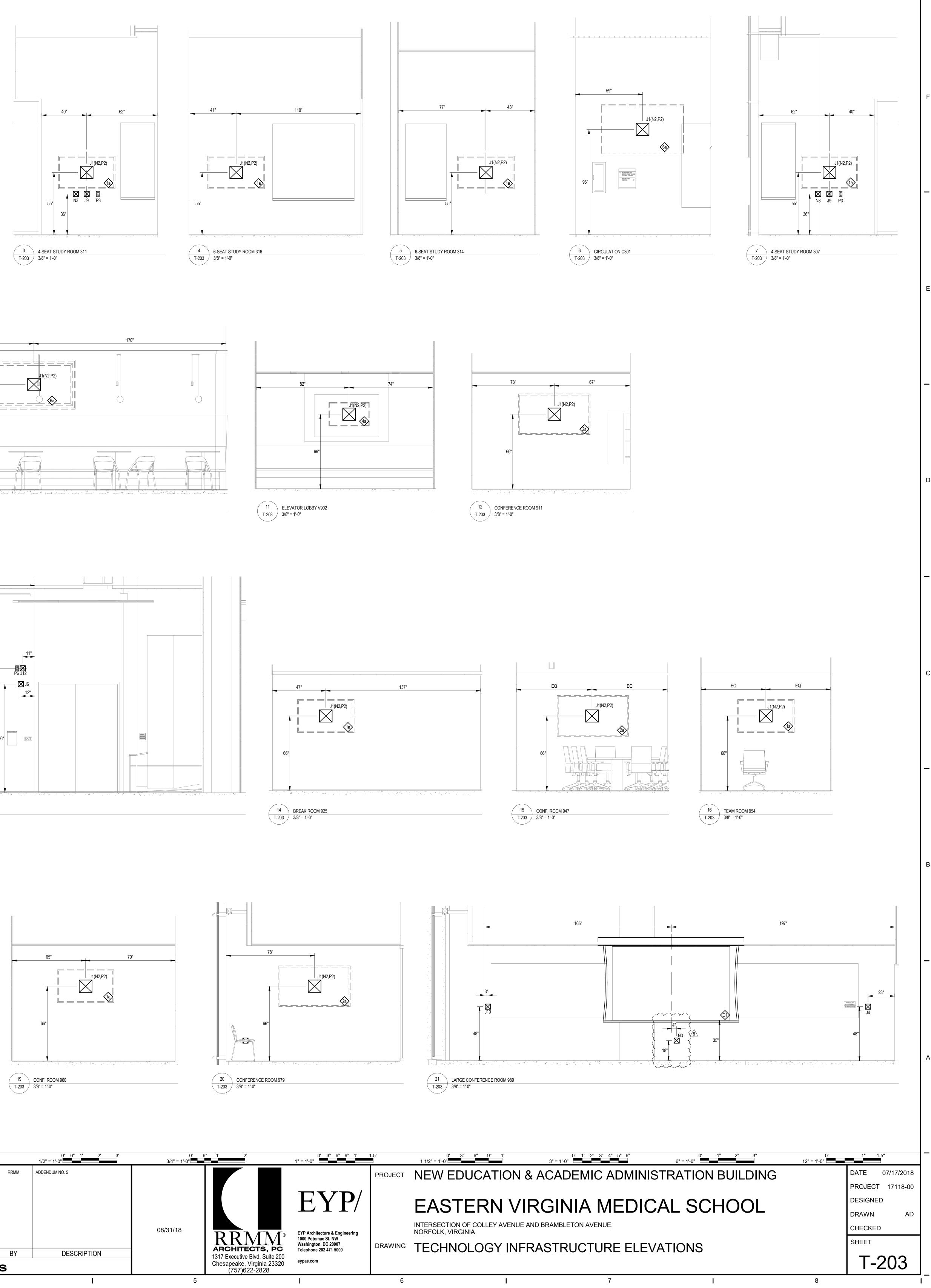
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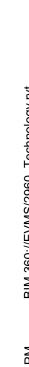


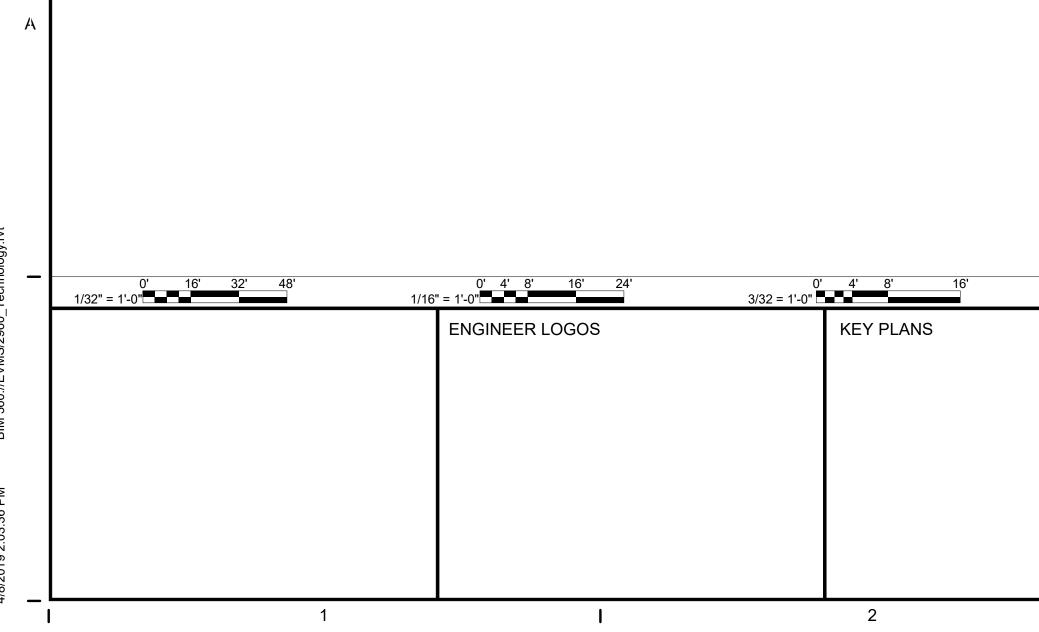


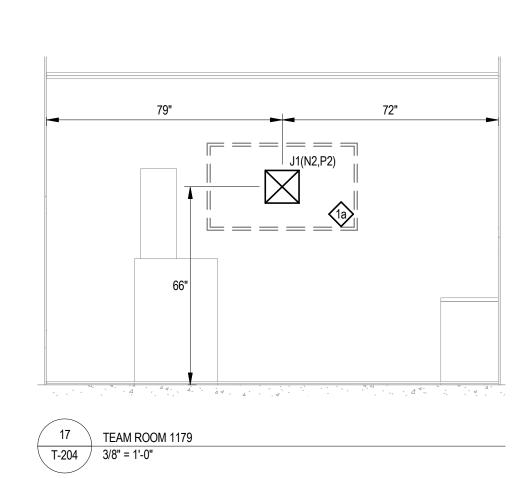
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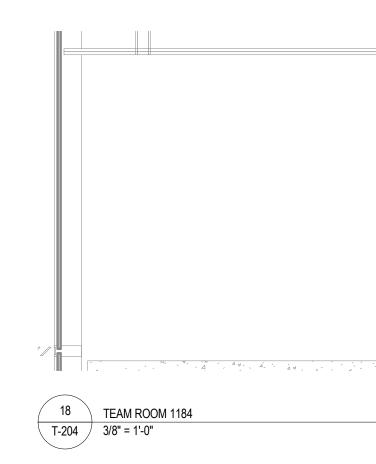


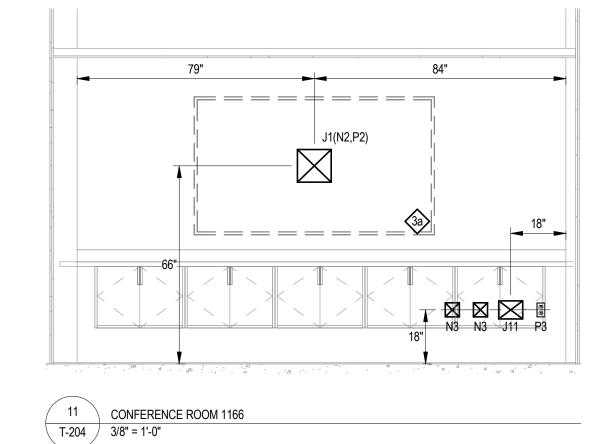


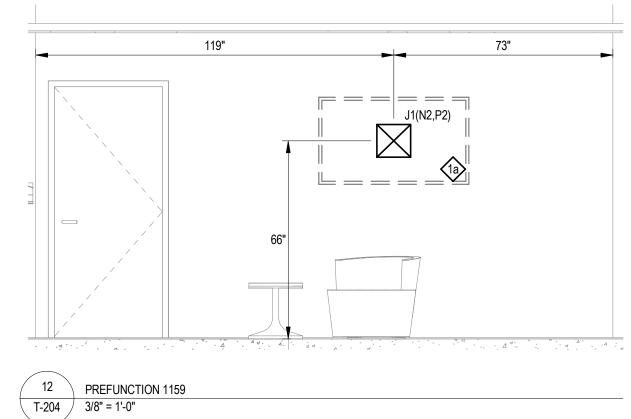


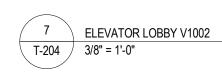


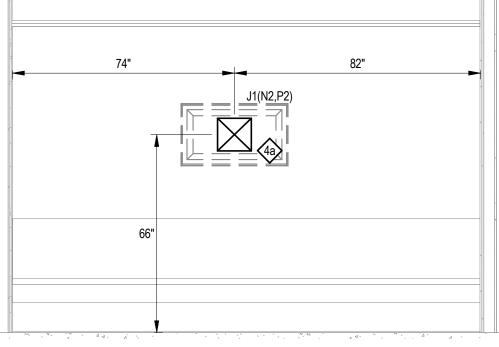


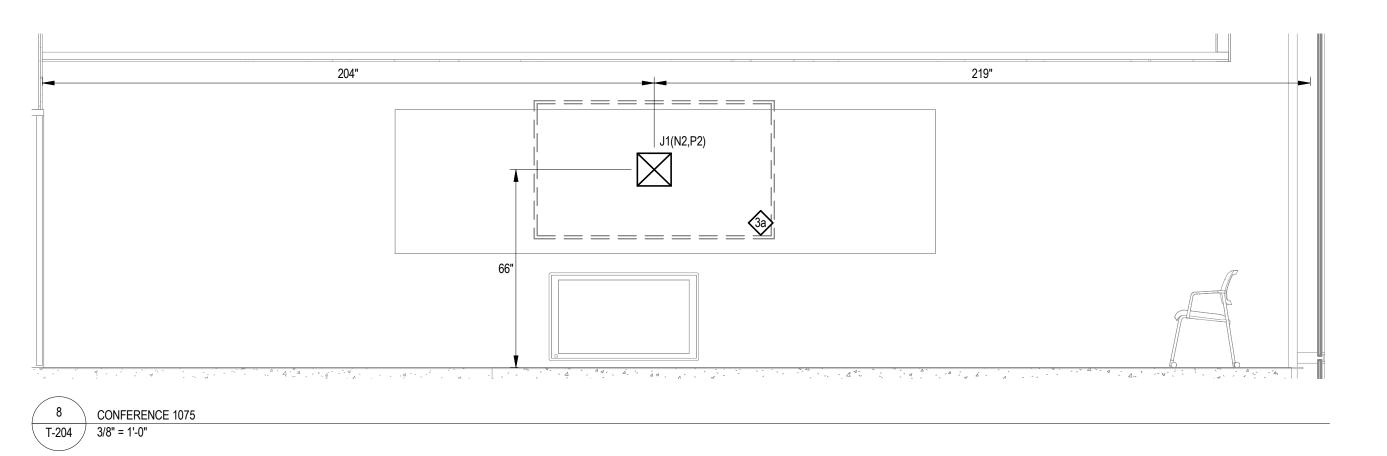


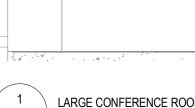


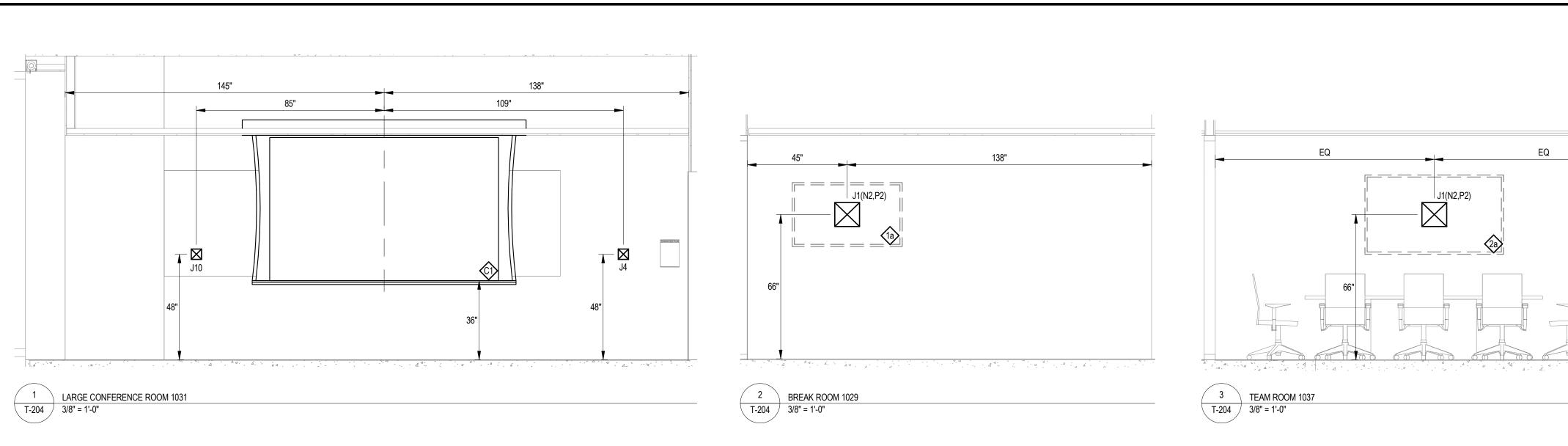


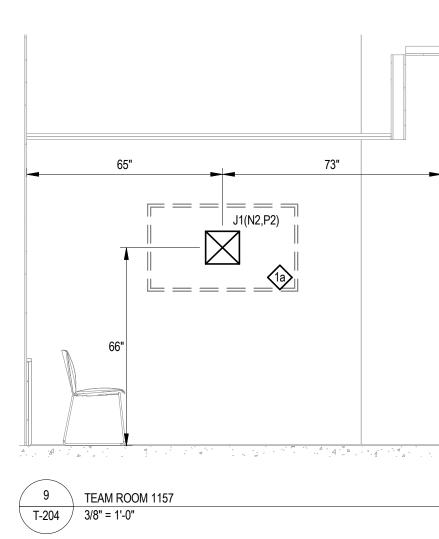




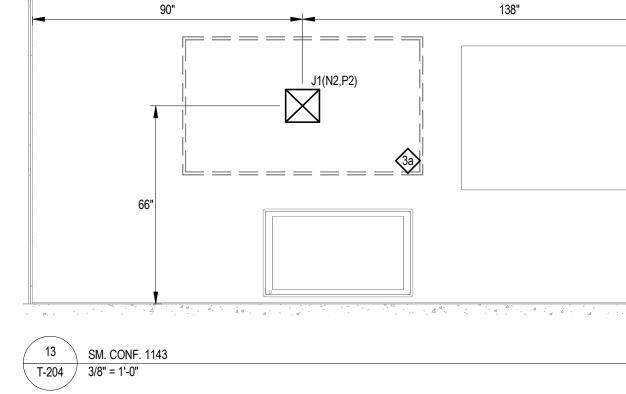


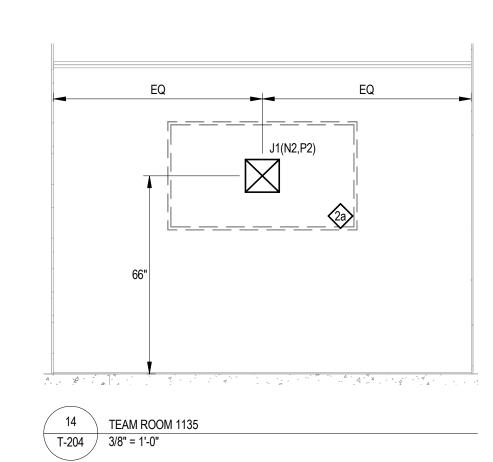


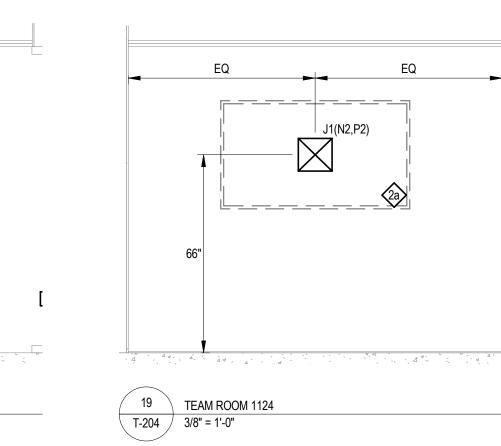


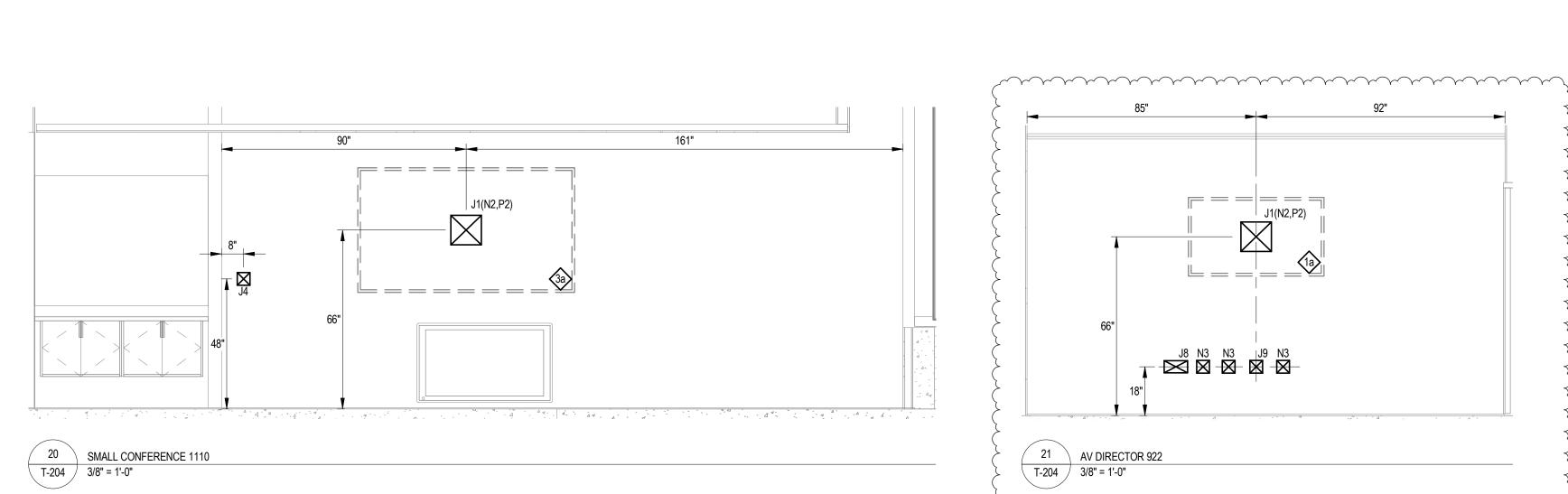


4 TEAM ROOM 1039 T-204 3/8" = 1'-0"









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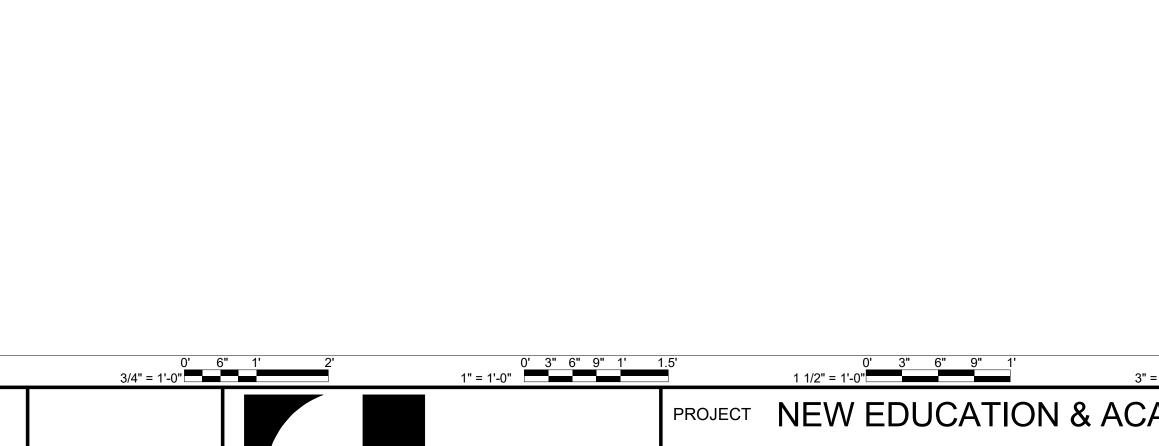
0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
		<u>_5</u>	08 / 31 / 2018	RRMM	ADDENDUM NO. 5
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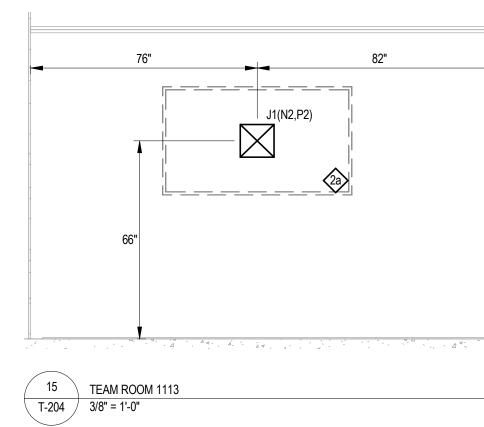
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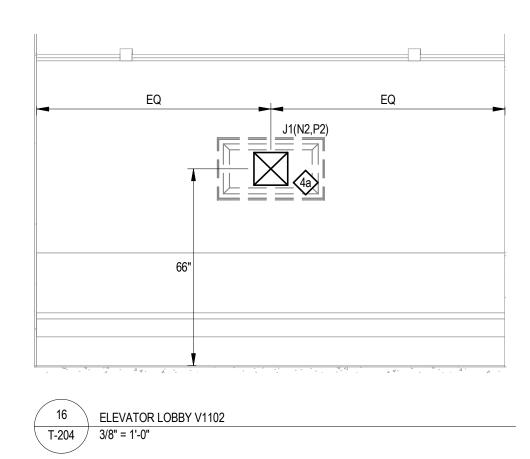
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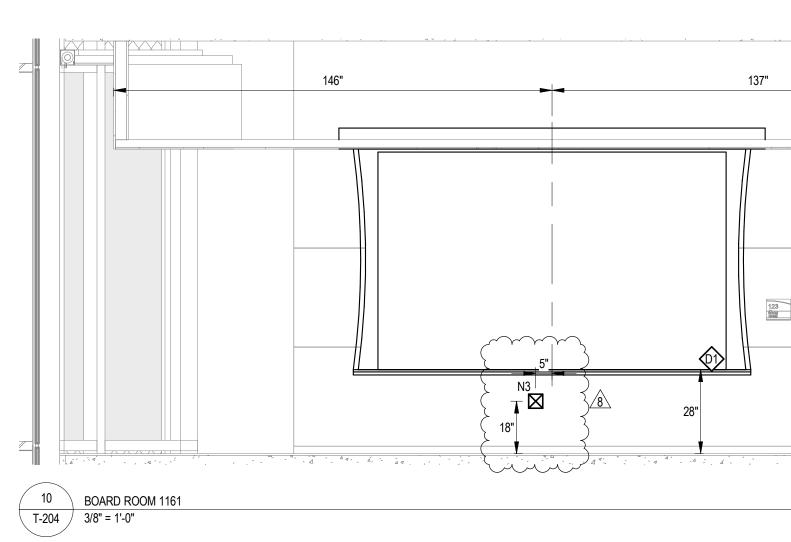
EYP/ EASTERN VIRGI INTERSECTION OF COLLEY AVENUE AND BRAM NORFOLK, VIRGINIA 08/31/18 EYP Architecture & Engineering 1000 Potomac St. NW Washington, DC 20007 Telephone 202 471 5000 RRMM® ARCHITECTS, PC 1317 Executive Blvd, Suite 200 Chesapeake, Virginia 23320 (757)622-2828 DRAWING TECHNOLOGY INFRAST eypae.com

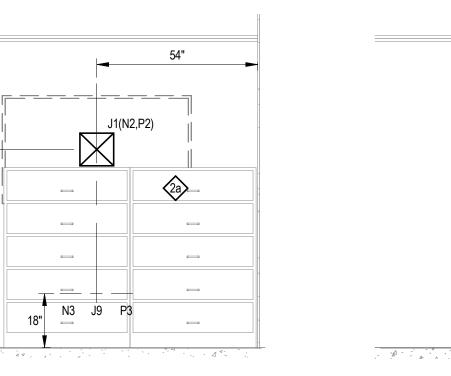
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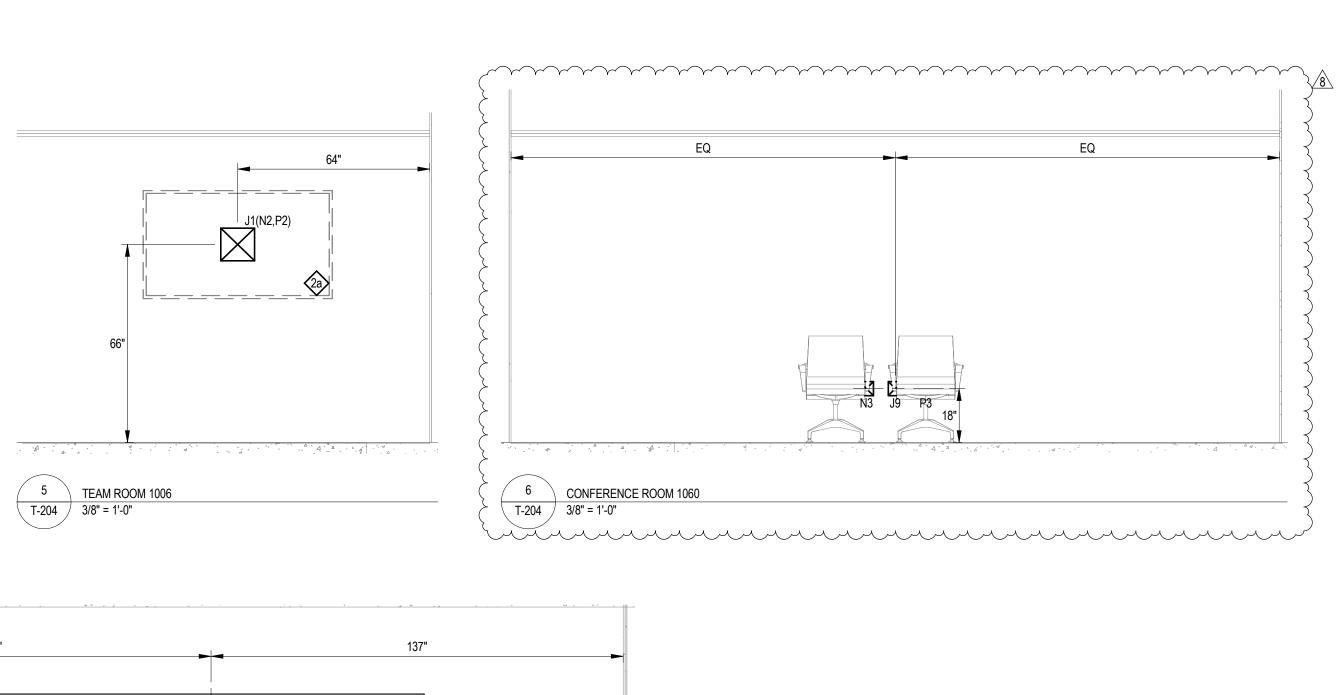


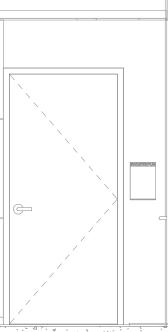












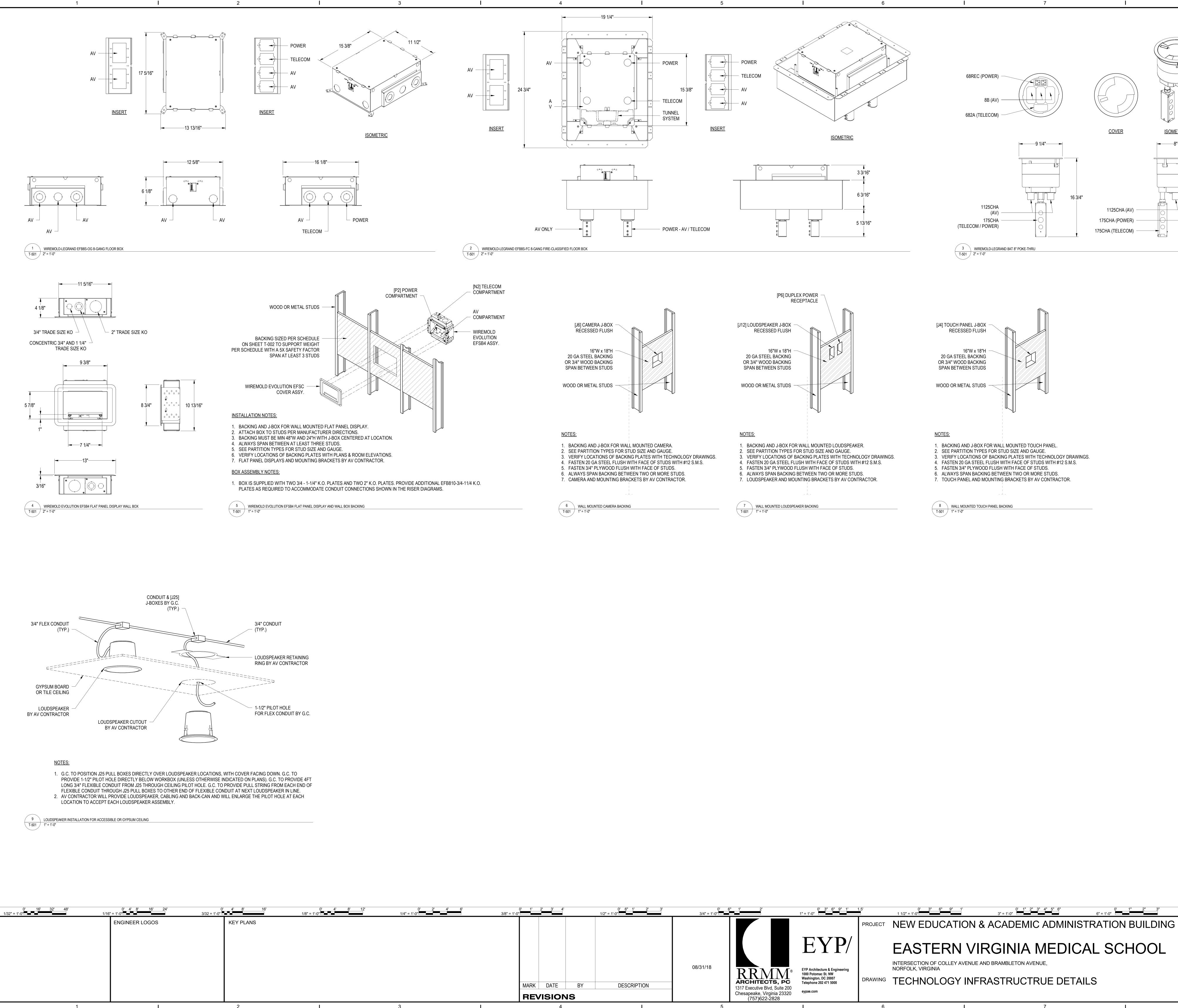


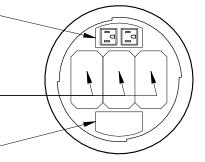
0' 1" 2" 3" 0' = 1'-0" 6" = 1'-0" 12" = 1'-0" 12" = 1'-0"	1" 1.5"
ADEMIC ADMINISTRATION BUILDING	DATE 07/17/2018
	PROJECT 17118-00
INIA MEDICAL SCHOOL	DESIGNED
	DRAWN AD
MBLETON AVENUE,	CHECKED
TRUCTURE ELEVATIONS	SHEET

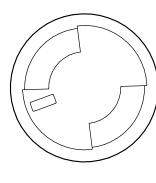
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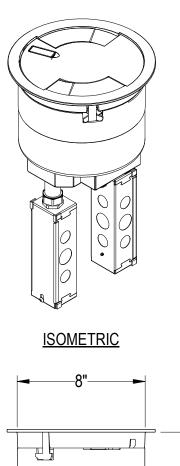


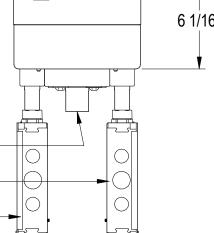




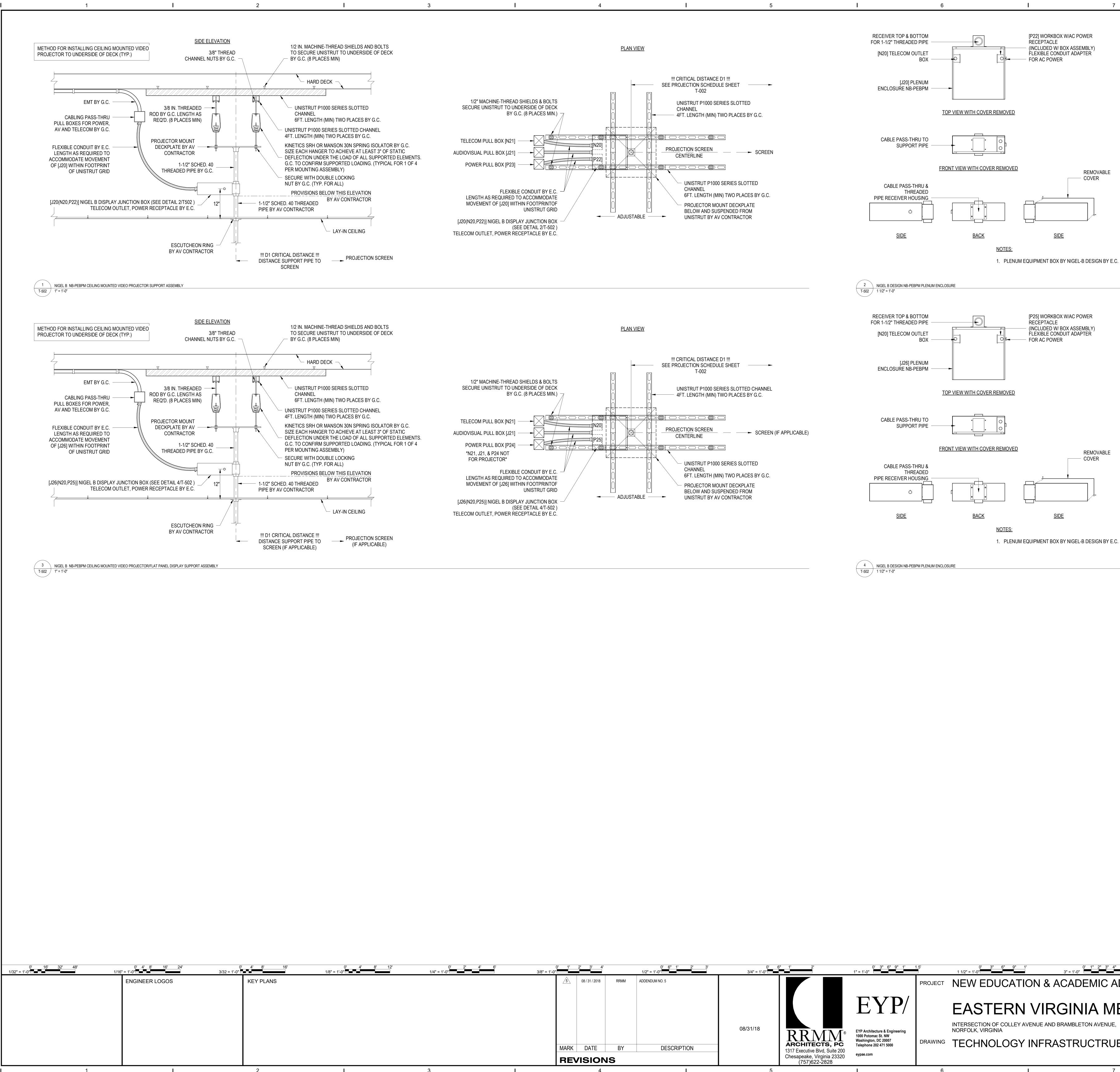
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1125CHA (AV) 175CHA (POWER) 175CHA (TELECOM)





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		0' 1'			
0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6'	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
		<u>5</u>	08 / 31 / 2018	RRMM	ADDENDUM NO. 5
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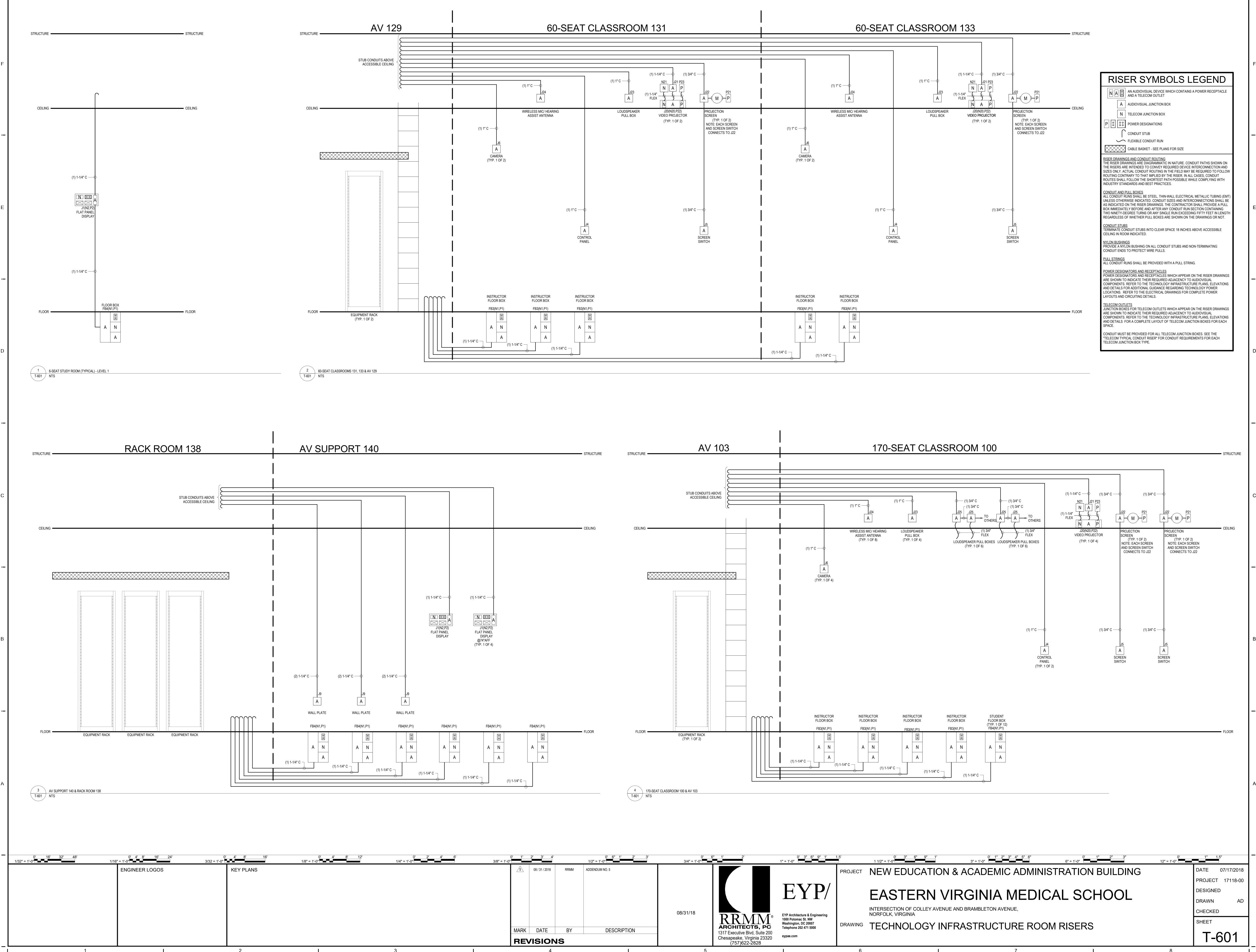
0' 1" 2" 3" 4" 5" 6" 0" 6" = 1'-0" 6"	0' 1" 1.5" 12" = 1'-0"
DEMIC ADMINISTRATION BUILDING	DATE 07/17/2018
	PROJECT 17118-00
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	DRAWN AD
LETON AVENUE,	CHECKED
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	T-502

- COVER

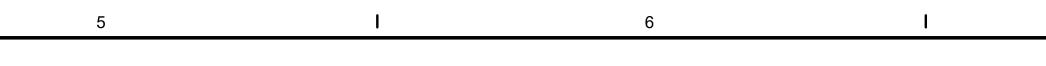
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REMOVABLE - COVER

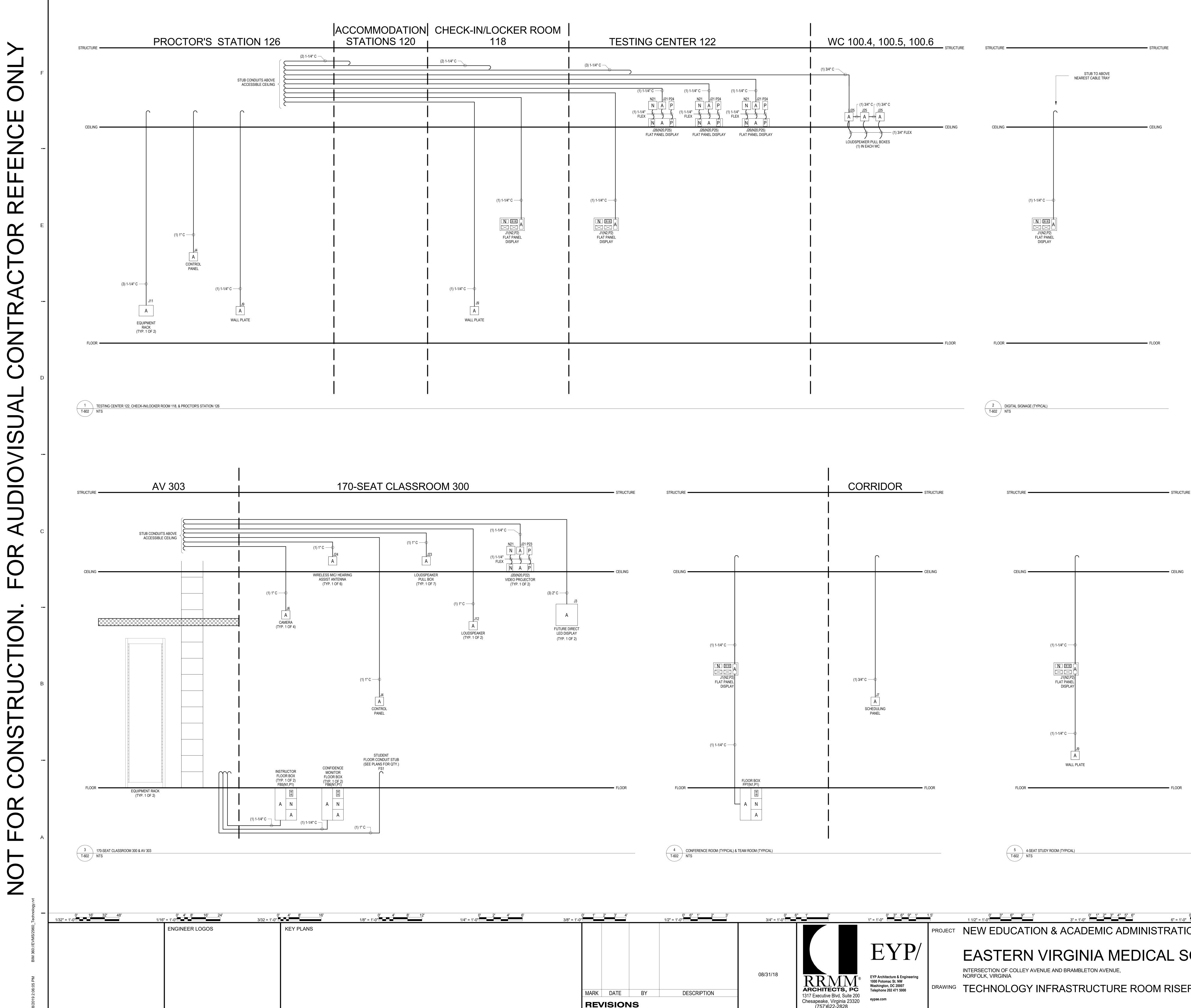
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0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'	0' 6" 1' 2' 1/2" = 1'-0"
		5	08 / 31 / 2018	RRMM ADDENDUM NO. 5
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		MARK	DATE	BY	DESCRIPTION
0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"

DRAWING TECHNOLOGY INFRASTRUCTURE ROOM RISERS Chesapeake, Virginia 23320 (757)622-2828

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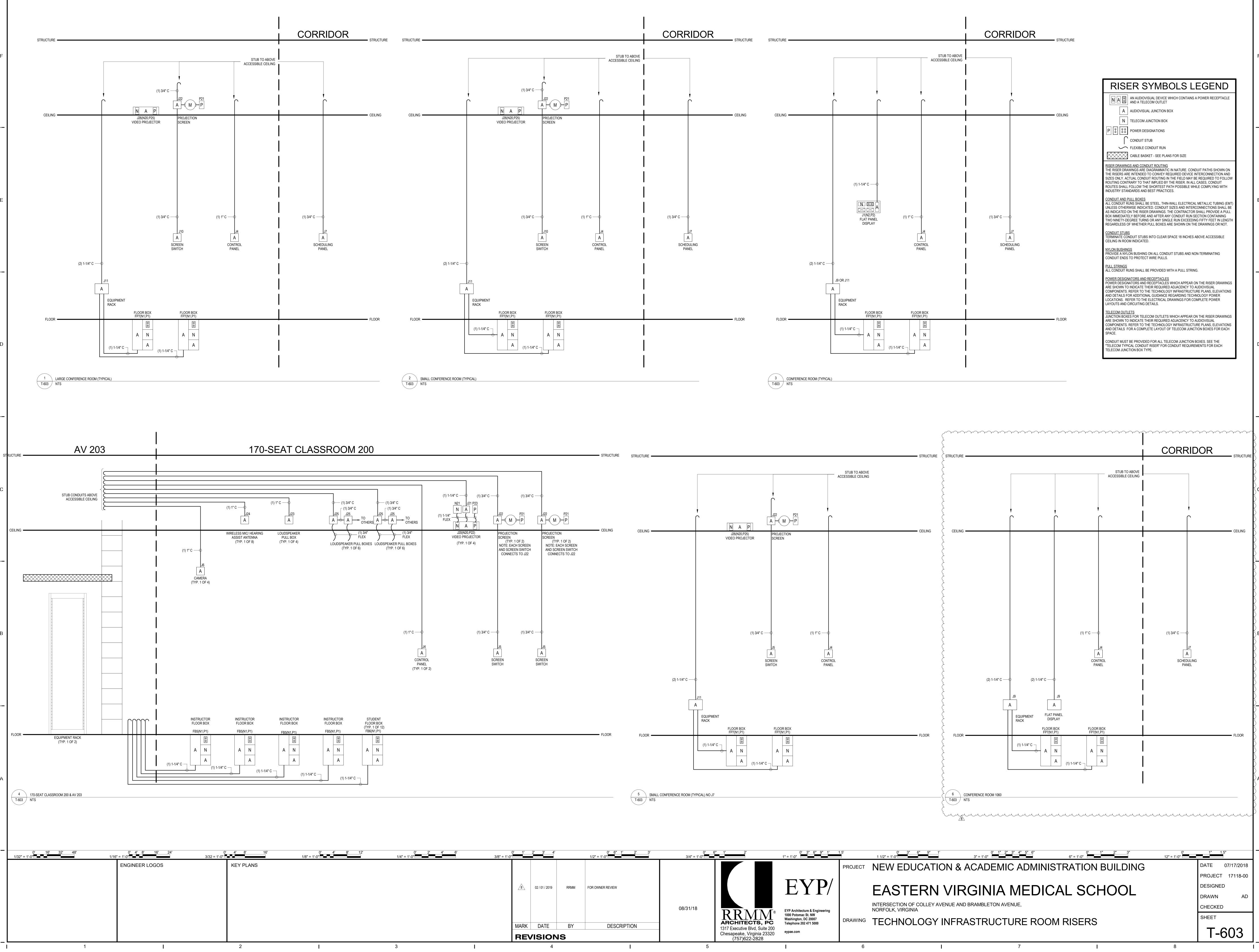
	RISER SYMBOLS LEGEND
- CEILING	NA B AN AUDIOVISUAL DEVICE WHICH CONTAINS A POWER RECEPTACLE AND A TELECOM OUTLET
	A AUDIOVISUAL JUNCTION BOX
	N TELECOM JUNCTION BOX
	SILEXIBLE CONDUIT RUN
	CABLE BASKET - SEE PLANS FOR SIZE
	RISER DRAWINGS AND CONDUIT ROUTING THE RISER DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONDUIT PATHS SHOWN ON THE RISERS ARE INTENDED TO CONVEY REQUIRED DEVICE INTERCONNECTION AND SIZES ONLY. ACTUAL CONDUIT ROUTING IN THE FIELD MAY BE REQUIRED TO FOLLOW ROUTING CONTRARY TO THAT IMPLIED BY THE RISER. IN ALL CASES, CONDUIT ROUTES SHALL FOLLOW THE SHORTEST PATH POSSIBLE WHILE COMPLYING WITH INDUSTRY STANDARDS AND BEST PRACTICES.
	<u>CONDUIT AND PULL BOXES</u> ALL CONDUIT RUNS SHALL BE STEEL, THIN-WALL ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE INDICATED. CONDUIT SIZES AND INTERCONNECTIONS SHALL BE AS INDICATED ON THE RISER DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PULL BOX IMMEDIATELY BEFORE AND AFTER ANY CONDUIT RUN SECTION CONTAINING TWO NINETY-DEGREE TURNS OR ANY SINGLE RUN EXCEEDING FIFTY FEET IN LENGTH REGARDLESS OF WHETHER PULL BOXES ARE SHOWN ON THE DRAWINGS OR NOT.
	<u>CONDUIT STUBS</u> TERMINATE CONDUIT STUBS INTO CLEAR SPACE 18 INCHES ABOVE ACCESSIBLE CEILING IN ROOM INDICATED.
	<u>NYLON BUSHINGS</u> PROVIDE A NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATING CONDUIT ENDS TO PROTECT WIRE PULLS.
	PULL STRINGS ALL CONDUIT RUNS SHALL BE PROVIDED WITH A PULL STRING.
- Floor	POWER DESIGNATORS AND RECEPTACLES POWER DESIGNATORS AND RECEPTACLES WHICH APPEAR ON THE RISER DRAWINGS ARE SHOWN TO INDICATE THEIR REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS. REFER TO THE TECHNOLOGY INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL GUIDANCE REGARDING TECHNOLOGY POWER LOCATIONS. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.
	TELECOM OUTLETS JUNCTION BOXES FOR TELECOM OUTLETS WHICH APPEAR ON THE RISER DRAWINGS ARE SHOWN TO INDICATE THEIR REQUIRED ADJACENCY TO AUDIOVISUAL COMPONENTS. REFER TO THE TECHNOLOGY INFRASTRUCTURE PLANS, ELEVATIONS AND DETAILS FOR A COMPLETE LAYOUT OF TELECOM JUNCTION BOXES FOR EACH SPACE.
	CONDUIT MUST BE PROVIDED FOR ALL TELECOM JUNCTION BOXES. SEE THE "TELECOM TYPICAL CONDUIT RISER" FOR CONDUIT REQUIREMENTS FOR EACH TELECOM JUNCTION BOX TYPE.

8

3" = 1'-0"	= 1'-0"	12" = 1'-0"	
CADEMIC ADMINISTRA	TION BUILDING	DA	A
		PF	R
GINIA MEDICAI	SCHOOL	D	E

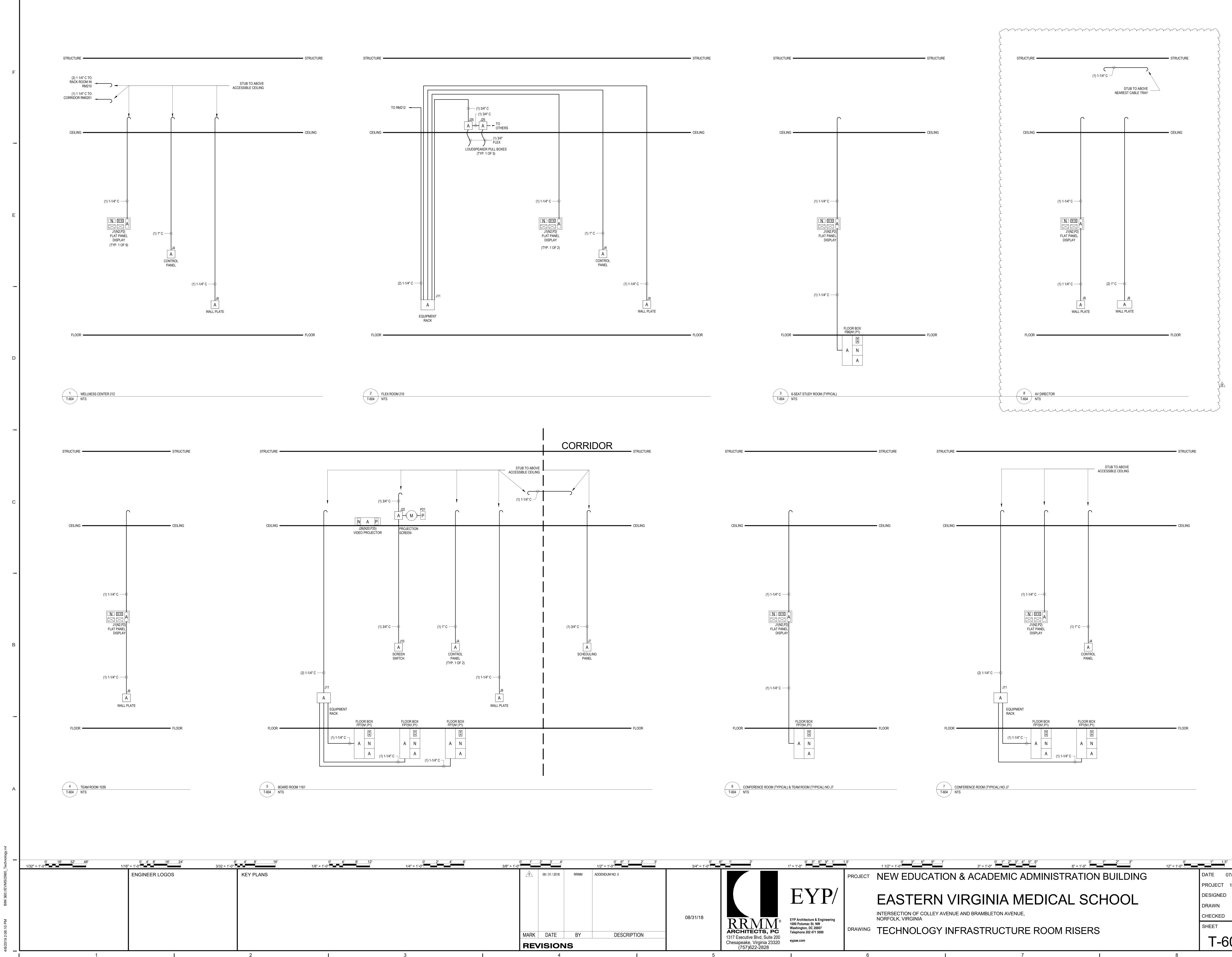
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PROJECT	17118-00			
DATE	07/17/2018			

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0' 4' 8' 1/8" = 1'-0"	12' 0' 1/4" = 1'-0"	2' 4' 6'	0' 3/8" = 1'-0"	' 1'	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
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0' 4' 8' 12' 1/8" = 1'-0"	0' 2' 4' 6' 1/4" = 1'-0"	0' 1' 3/8" = 1'-0"	2' 3' 4'		0' 6" 1' 2' 1/2" = 1'-0"
		5	08 / 31 / 2018	RRMM	ADDENDUM NO. 5
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" = 1'-0"	6" = 1'-0"	0' 12" = 1'-0"	1" 1.5	5"
ADEMIC ADMINIS	TRATION BUILDING		DATE	07/17/2018
			PROJECT	17118-00
INIA MEDICAL SCHOOL			DESIGNED)
			DRAWN	AD
AMBLETON AVENUE,			CHECKED	
TRUCTURE ROOM RISERS			SHEET	
			T-604	
7		8		