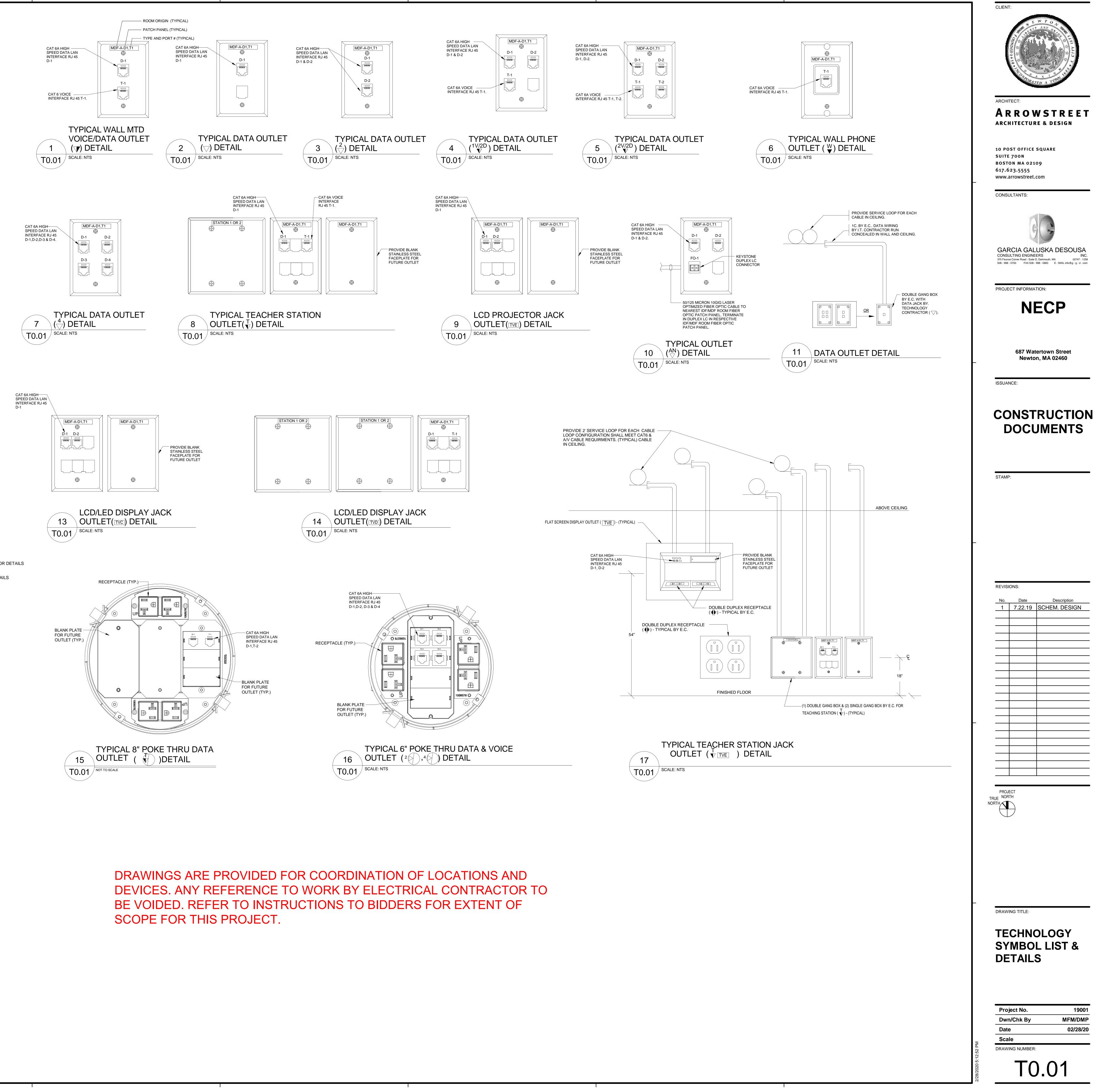
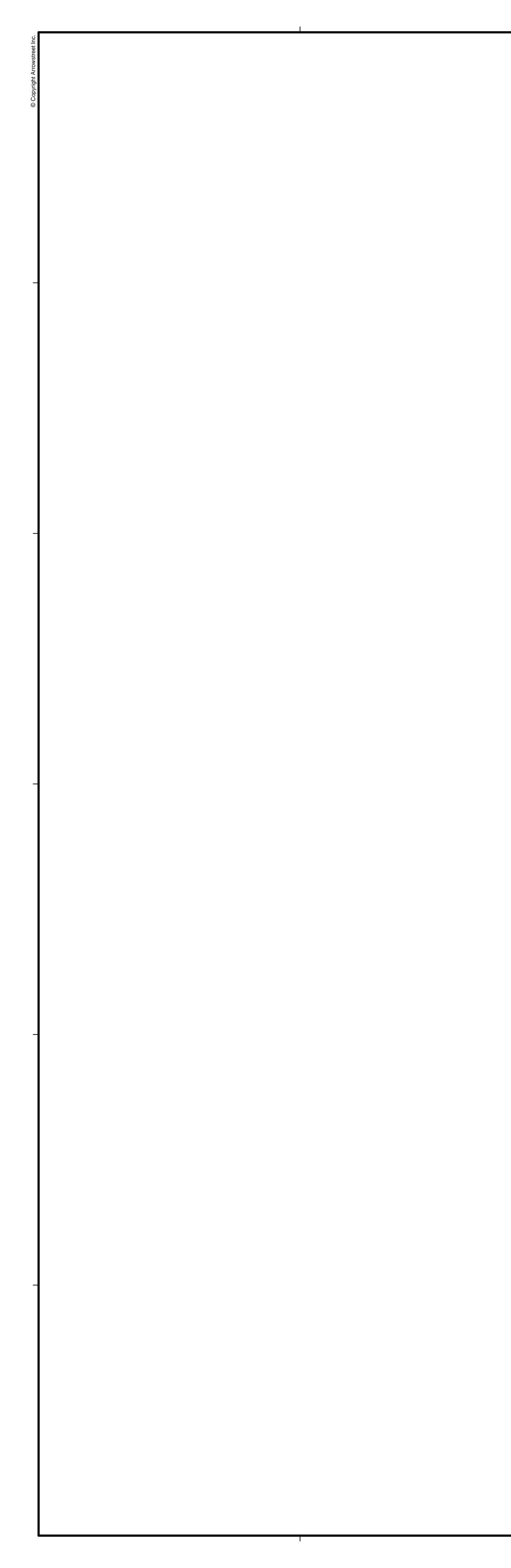
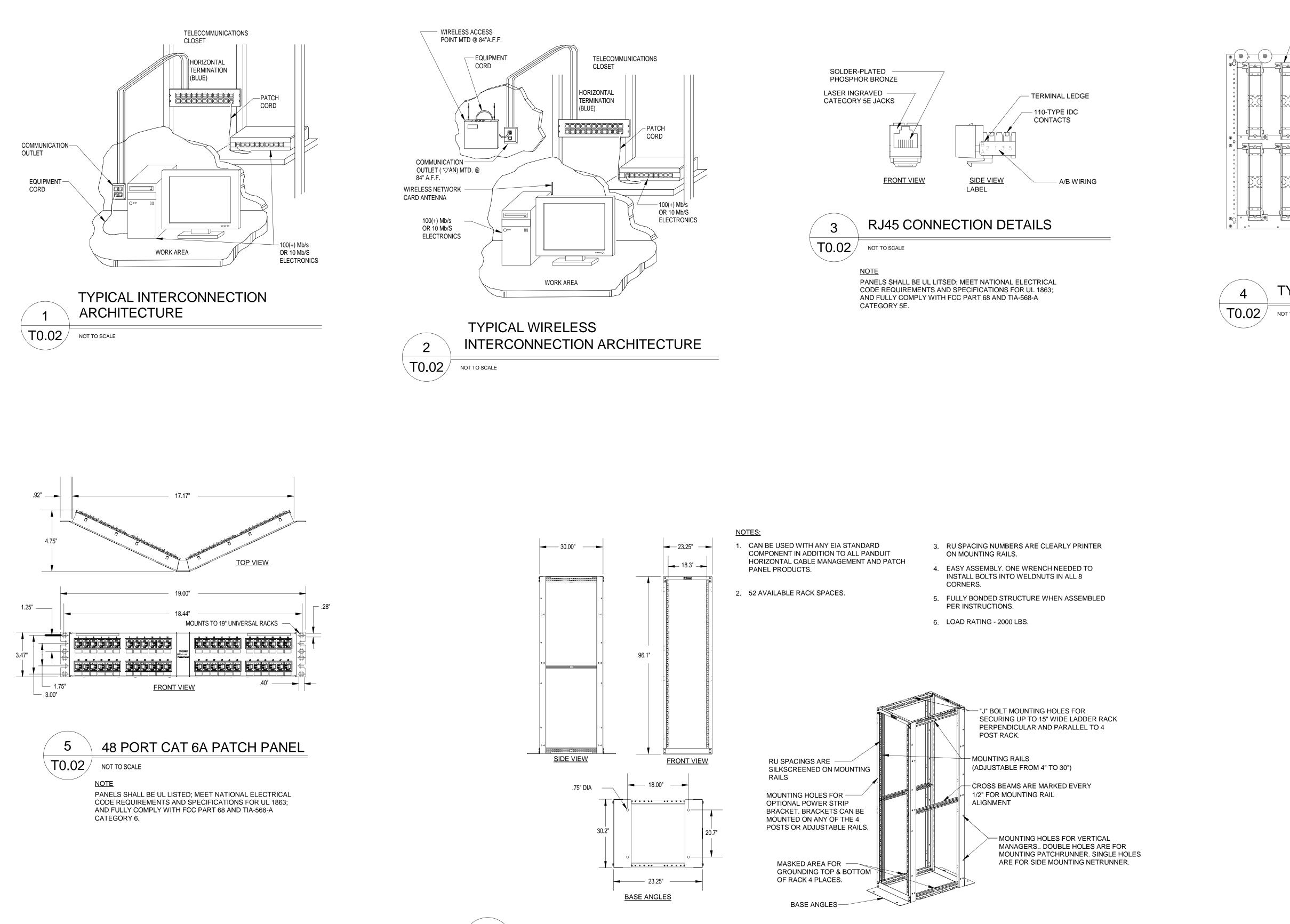
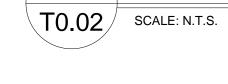
	I		
	SYMBOL I		
W •	WALL MOUNTED TELEPHONE OUTLET TO TEL/DATA RISER FOR WIRING REC PLATES SHALL BE STAINLESS STEEL.	0 48" A.F.F. F UIREMENTS. C	
<b>#</b> ▽	WALL MOUNTED DATA OUTLET @ 18 REFER TO TEL/DATA RISER FOR WIR NUMERAL INDICATES NUMBER OF R COVER PLATES SHALL BE STAINLES	ING REQUIREM J45 JACKS ON S	
#V/#D ▼	COMBINATION TEL/DATA OUTLET @ 1 #V INDICATES NUMBER OF RJ45 VOIO NUMBER OF RJ45 DATA JACKS ON SA (1) VOICE & (1) DATA IF #V/#D IS NOT S REFER TO TEL/DATA RISER FOR WIR	18" A.F.F. CE JACKS, #D IN ME FACEPLATI SHOWN (TYPIC, ING REQUIREM	Ξ. ΑL).
AN ▽	COVER PLATES SHALL BE STAINLESS WIRELESS ACCESS NODE - DATA REFER TO TEL/DATA RISER FOR WIR		ENTS.
TVC	COVER PLATES SHALL BE STAINLESS MOUNTED ABOVE CEILING U.N.O. CABLE/DATA OUTLET REFER TO TEL/DATA RISER FOR WIRIN		те
TVE	COVER PLATES SHALL BE STAINLESS S MOUNTED @ 84" A.F.F. U.N.O.		
	REFER TO TEL/DATA RISER FOR WIRIN PLATES SHALL BE STAINLESS STEEL.		
T	TEACHER'S STATION REFER TO TEL/DATA RISER FOR WIRING COVER PLATES SHALL BE STAINLESS S A.F.F. U.N.O.		
IDF MDF	INTERMEDIATE DISTRIBUTION FRAME	Ē	
	WIRELESS SYSTEM CLOCK		
S	FLUSH MOUNTED CEILING SPEAKER		
⊢S	FLUSH WALL MOUNTED SPEAKER		
⊢ <mark>S</mark> WP	WEATHER PROOF FLUSH MOUNTED SPI	EAKER. FINISH T	O BE SELECTED BY ARCH.
(S) <sub>S</sub>	SPEAKER CEILING TYPE SUBSCRIPT 'S' DENOTES SURFACE MO	DUNTED	
ALS	ASSISTIVE LISTENING SYSTEM		
SRP	_		
CS	CALL IN SWITCH		
IP	PAGING SYSTEM IP INPUT		
PG	PAGING SYSTEM IP OUTPUT FOR LOCAL SOUND SYSTEMS		
LS IP	CRITICAL COMMUNICATION SYSTEM MASTER (COORDINATE EXACT LOCATION WITH OWN		
	PAGING SYSTEM IP TALKBACK MODULE		STALLATION)
ТВ			
$\mathbf{v} \oplus \mathbf{v}$	RECEPTACLES		
$\Box \oplus \Box \bigtriangledown$	FLOOR BOX BY OTHERS. BRASS CO FLUSH FLOOR OUTLET BOXES WITH COMPARTMENTS.		
	FLOOR BOX BY OTHERS. BRASS CO		
LOC	CAL SOUND SYSTEMS	6	
AMP	LOCAL SOUND SYSTEM AMPLIFIER-S	SEE SPEC FOR	DETAILS
LS	HIGH OUTPUT SPEAKER FOR LOCAL	SOUND SYSTE	M-SEE SPEC FOR DETAILS
SLS	CEILING FLUSH MTD HIGH OUTPUT S	SPEAKER FOR L	OCAL SOUND SYSTEM-SEE SPEC FOR DET
GS (M)	CEILING MTD HIGH OUTPUT SPEAKE	R FOR LOCAL S	SOUND SYSTEM-SEE SPEC FOR DETAILS
	VOLUME CONTROL		
$\triangleright$ (S)<	SOUND SPHERE SPEAKER		
(S)⊲ WP	WEATHER PROOF SPEAKER. FINISH	TO BE SELECT	ED BY ARCH.
R	PRIORITY RELAY		
⊢ S	FLUSH WALL MOUNTED SPEAKER		
⊢S WP	WEATHER PROOF SPEAKER. FINISH	TO BE SELECT	ED BY ARCH.
	RCA AUDIO INPUT JACK ANTENNA WALL PLATE		
$\vdash (A)$	AUDIO INPUT PLATE		2
·		P.C.	<b>2</b> PLUMBING CONTRACTOR
	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	Р.С. М.Н.	MOUNTING HEIGHT
	ANGLE POLISHED CONNECTOR	W.P.	WEATHER PROOF
		U.N.O.	UNLESS NOTED OTHERWISE
	AUTO-TEMP CONTROL CONTRACTOR	WG CATV	WIRE GUARD
	CEILING	DH	DOOR HOLDER
E.C.	ELECTRICAL CONTRACTOR	F.A.C.P.	FIRE ALARM CONTROL PANEL
F&I	FURNISHED AND INSTALLED	PAC	PUBLIC ACCESS COMPUTER
F.P.C. G.C.	FIRE PROTECTION CONTRACTOR GENERAL CONTRACTOR	MAC	MACINTOSH COMPUTER
	HEATING, VENTILATION, AND AIR	I.T.	INFORMATION TECHNOLOGY
н. v. л. o.	CONDITIONING CONTRACTOR	IESS	INTEGRATED ELECTRONIC SECURITY SYSTEM INTEGRATOR







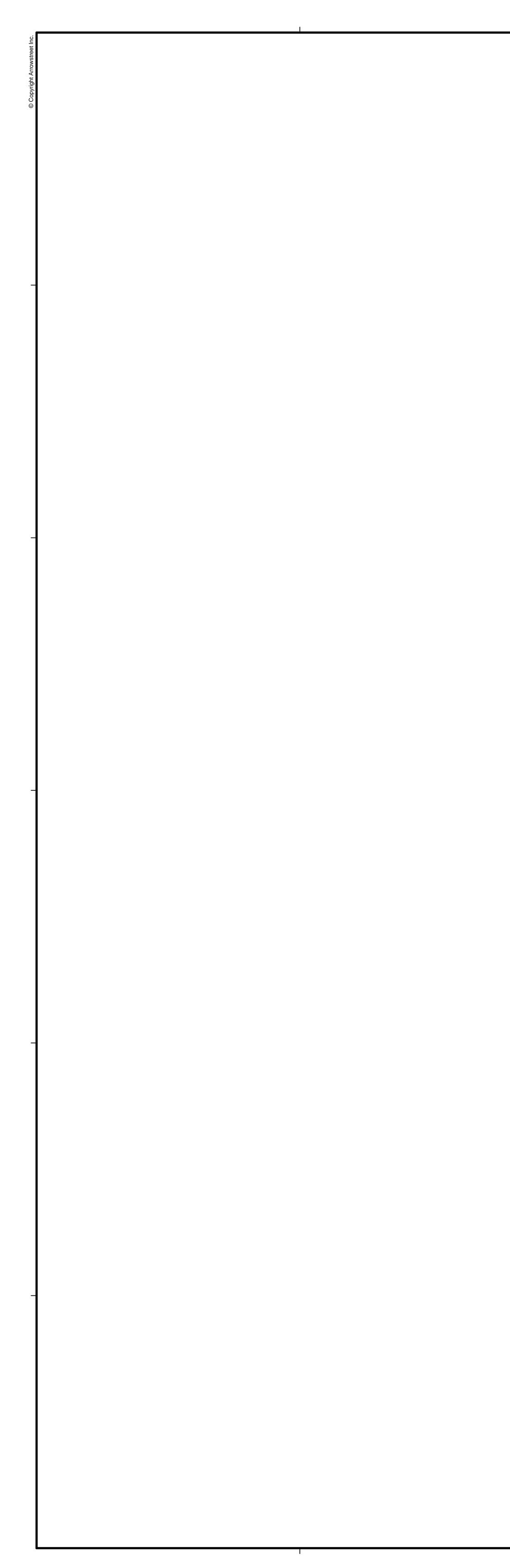


6 4 POST RACK

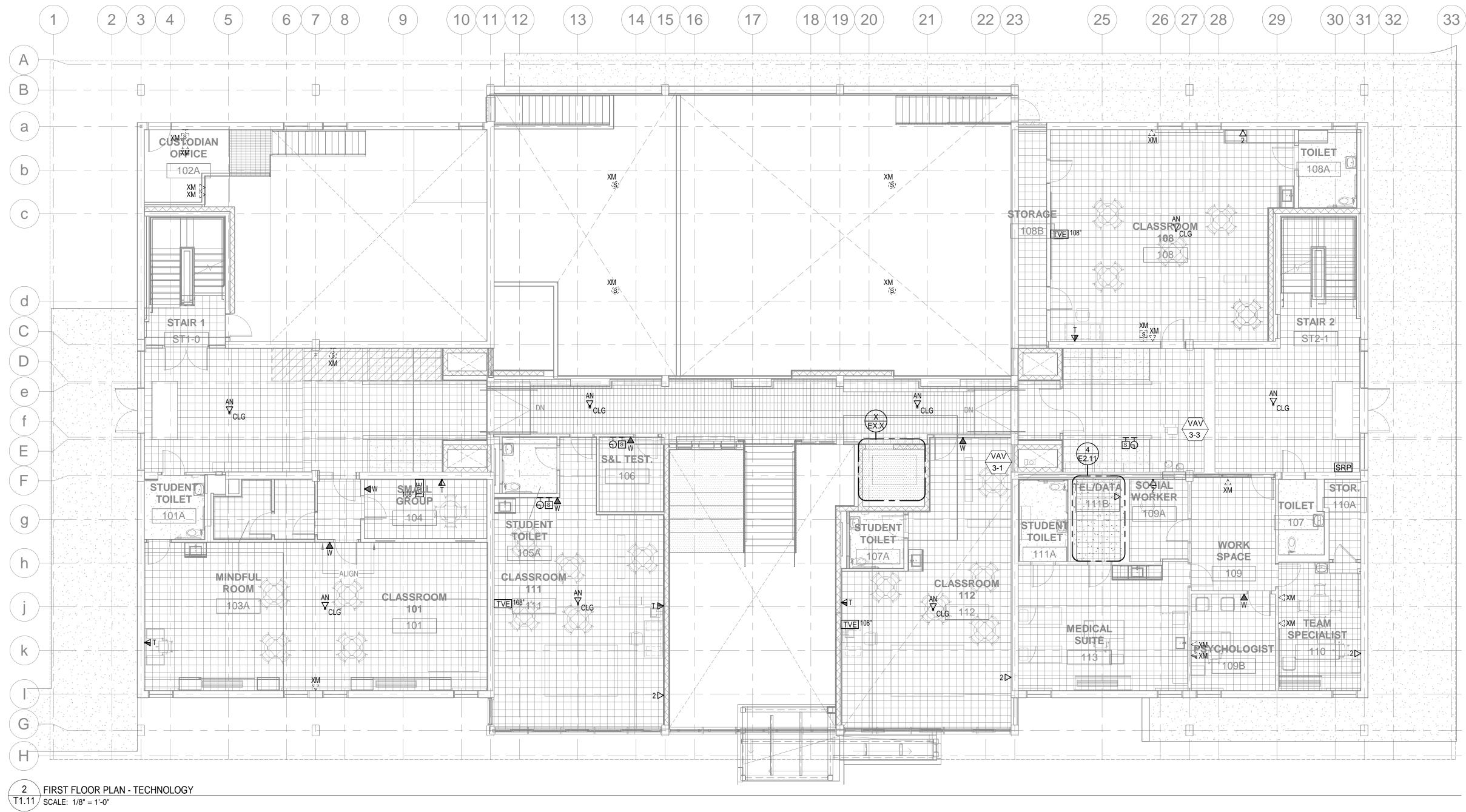
DRAWINGS ARE PROVIDED FOR COORDINATION OF LOCATIONS AND DEVICES. ANY REFERENCE TO WORK BY ELECTRICAL CONTRACTOR TO BE VOIDED. REFER TO INSTRUCTIONS TO BIDDERS FOR EXTENT OF SCOPE FOR THIS PROJECT.

<image/>	<image/> <image/> <text><section-header><text><text><text><text><text></text></text></text></text></text></section-header></text>
	<text><section-header><text><text></text></text></section-header></text>
	<section-header><section-header></section-header></section-header>
	REVISIONS:         No.       Date       Description         Image: Im
	PROJECT NORTH
	DRAWING ITTLE:         TECHNOLOGY DETAILS         Project No.       19001         Dwn/Chk By       MFM/DMP         Date       02/28/20         Scale
	DRAWING NUMBER: TO.020

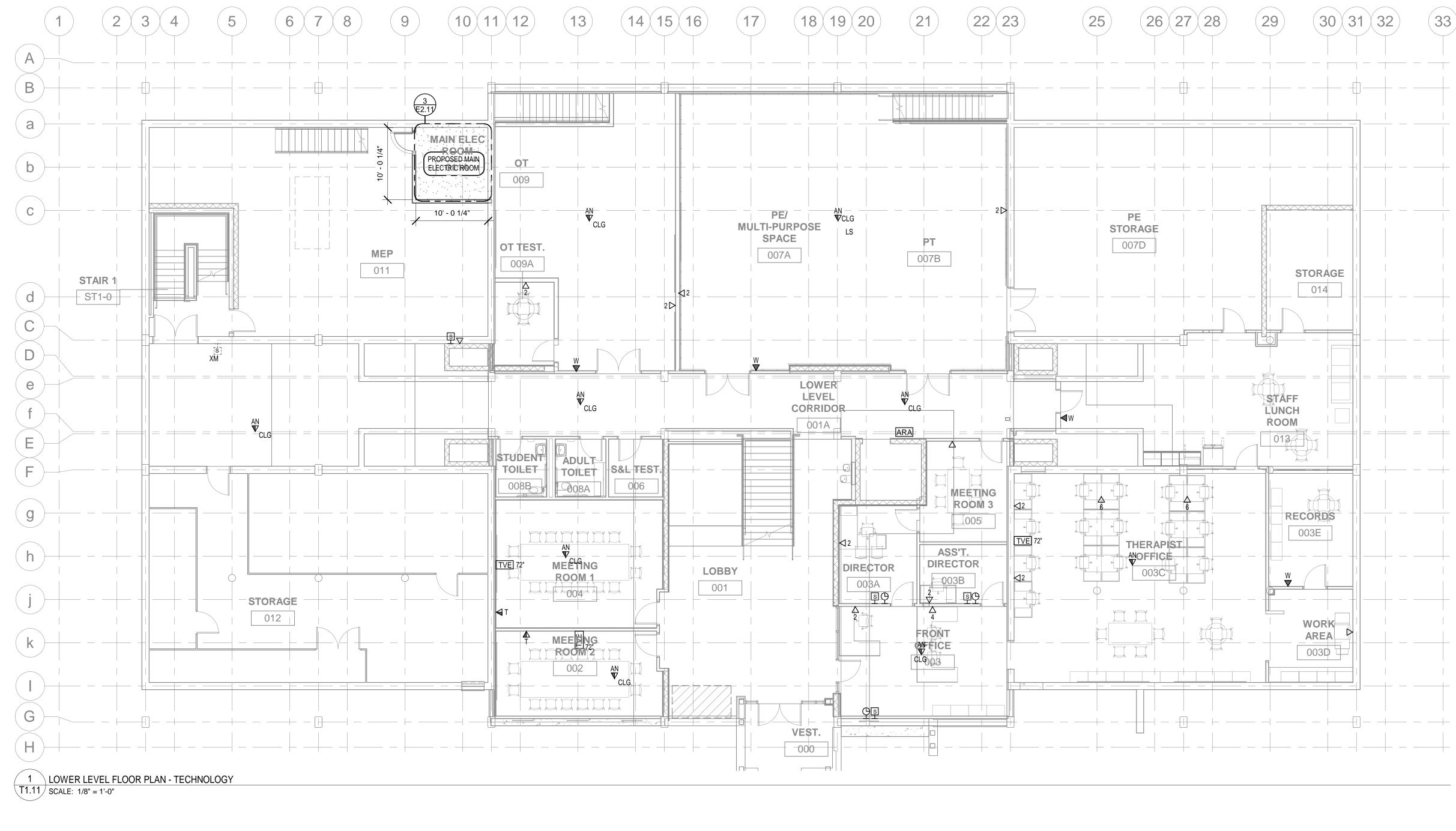
CLIENT:



## DEVICES. ANY REFERENCE TO WORK BY ELECTRICAL CONTRACTOR TO BE VOIDED. REFER TO INSTRUCTIONS TO BIDDERS FOR EXTENT OF SCOPE FOR THIS PROJECT.

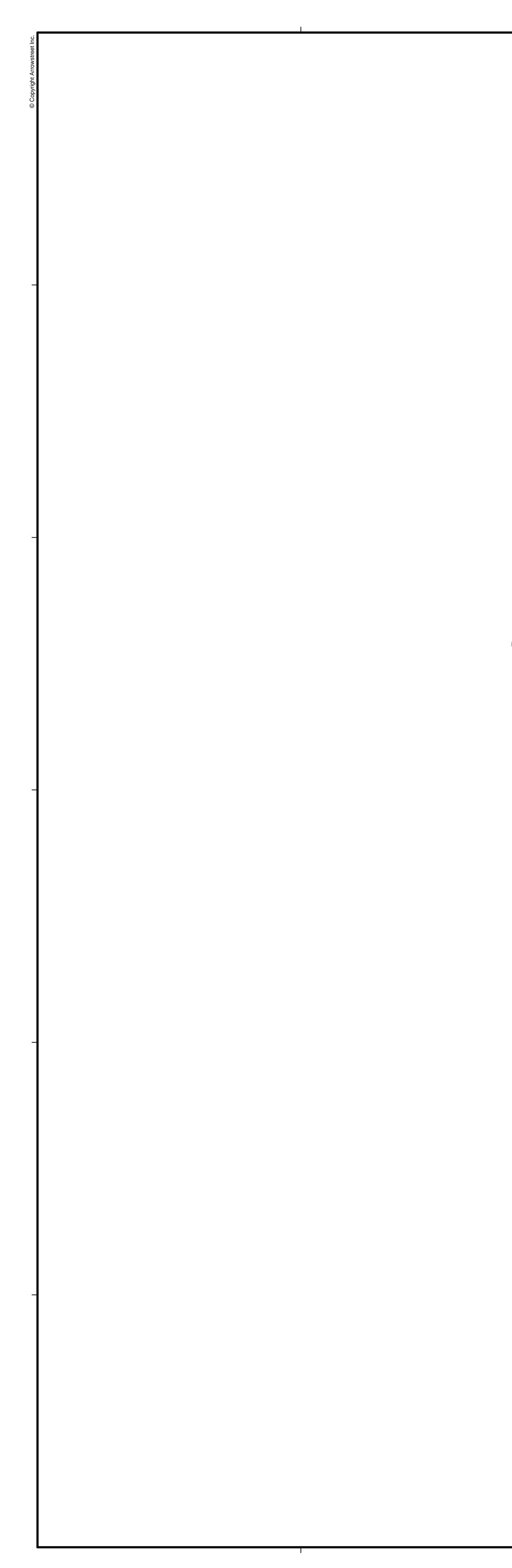


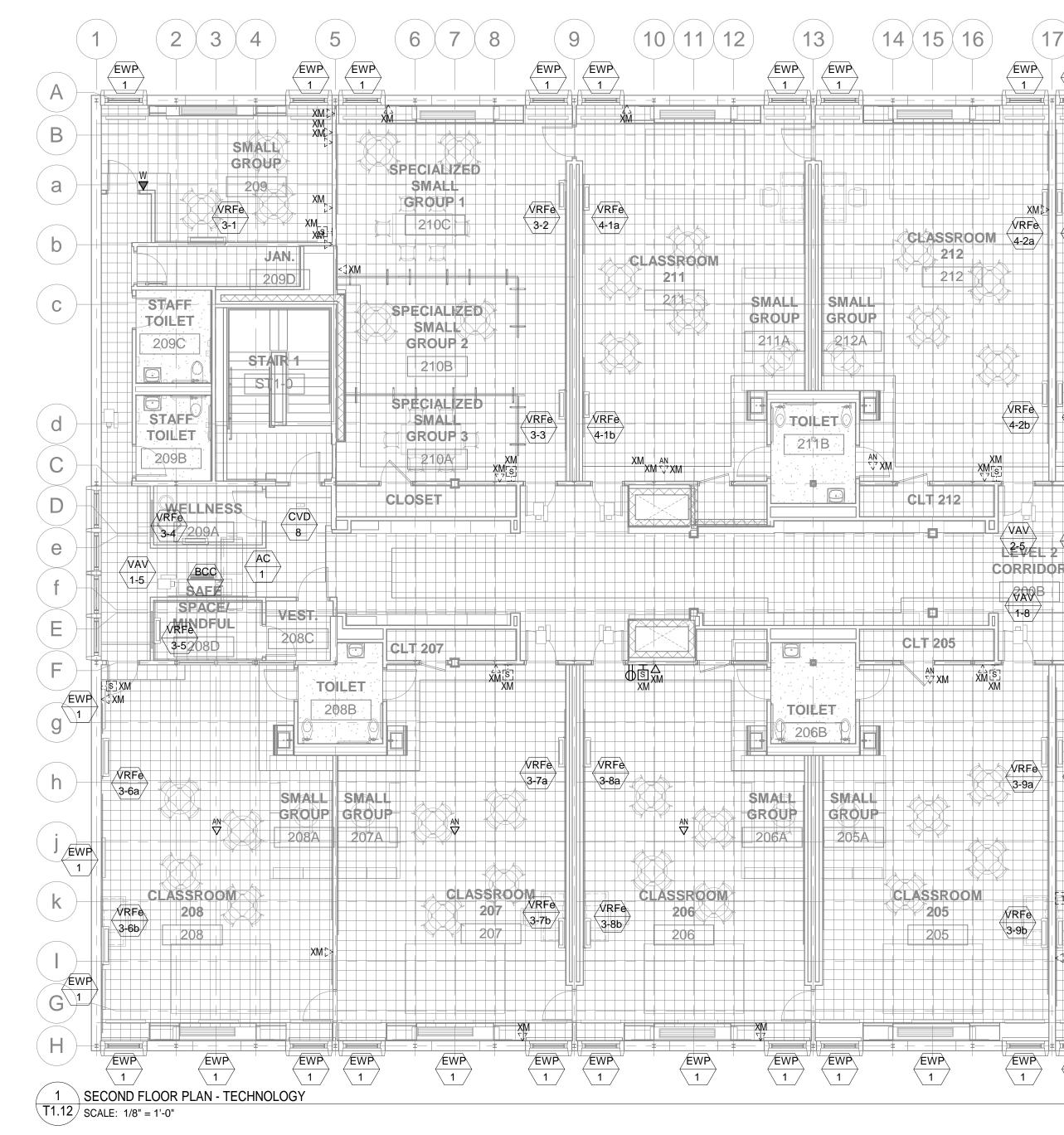




DRAWINGS ARE PROVIDED FOR COORDINATION OF LOCATIONS AND

<u>GENERAL TECHNOLOGY NOTES:</u>	CLIENT:
<ol> <li>COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.</li> <li>KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.</li> <li>ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 260000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.</li> </ol>	The source of th
	ARCHITECT: <b>ARROWSTREET</b> ARCHITECTURE & DESIGN
	10 POST OFFICE SQUARE SUITE 700N BOSTON MA 02109 617.623.5555 www.arrowstreet.com
	CONSULTANTS: IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	PROJECT INFORMATION:
	687 Watertown Street Newton, MA 02460
	ISSUANCE: CONSTRUCTION DOCUMENTS
	STAMP:
	No.       Date       Description         1       7.22.19       SCHEM. DESIGN
	– DRAWING TITLE:
	LOWER LEVEL & FIRST FLOOR PLAN - TECHNOLOGY
	Project No.19001Dwn/Chk ByMFM/DMPDate02/28/20
	Scale     As indicated       DRAWING NUMBER:     T111





DRAWINGS ARE PROVIDED FOR COORDINATION OF LOCATIONS AND DEVICES. ANY REFERENCE TO WORK BY ELECTRICAL CONTRACTOR TO BE VOIDED. REFER TO INSTRUCTIONS TO BIDDERS FOR EXTENT OF SCOPE FOR THIS PROJECT.

	NP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 EWP 1 1 1 22 2 2 2 2 2 2 2 2 2 2 2 2			EWP EWP	30 31 32 EV	
	RFe 3a CLASSROOM 213		VRFe 4-4a LASSROOM	CLASSROOM 215			
$\rightarrow$	RFe 3b	SMALL GROUP 213A 214A CONTRACTOR TOILET					STAFF         TOILET         VAV       216C         S&L TEST.         216B
FIL 2 4-			XMXII VVV VAV VAV VAV VAV VAV		OILET 215A CVD 1		WELLNESS 216A
			VRFe 3-11a/		TOILET		AV -7
		TOILET 204B SMALL GROUP 204A 204A 204A			SMALL GROUP 202A 201A	3-13 3-13	
	XM /RFe 204 -10b		ASSROOM 203 675 SF 3-11b 2-12			CLASSROOM 201 201 3-13	
$\longrightarrow$	WP 1 1		WP 1 EWP 1 EWP 1		XM EWP 1 1	$\leftarrow$	VP

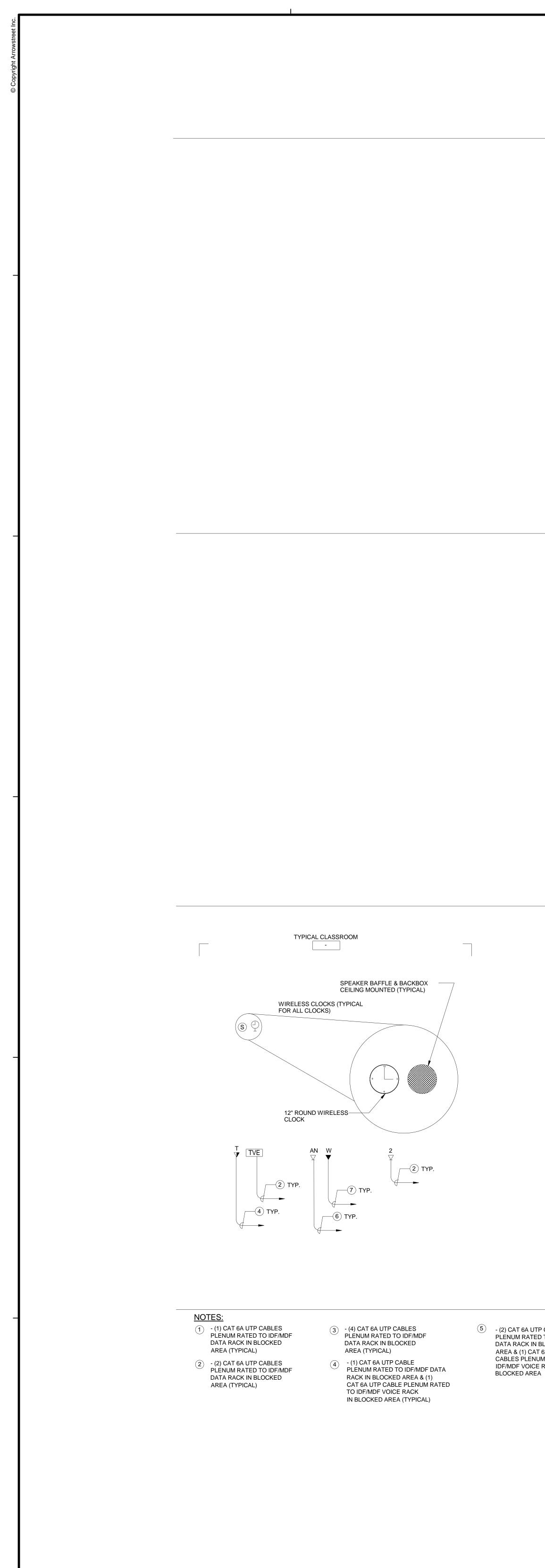
HOLOGY NOTES: UTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING JBCONTRACTOR. ONS CABLING AT LEAST 12" AWAY FROM POWER WIRING. UNCTION BOXES TO BE PROVIDED UNDER DIVISION 260000. CONDUITS FERENCE ONLY.	ARCHITECT:
	A R R O W S T R E E T ARCHITECTURE & DESIGN 10 POST OFFICE SQUARE SUITE 700N BOSTON MA 02109 617.623.5555 www.arrowstreet.com
	Contrained of the entropy of the ent
	687 Watertown Street Newton, MA 02460         ISSUANCE:         CONSTRUCTION DOCUMENTS
	STAMP:
	No.       Date       Description         1       7.22.19       SCHEM. DESIGN         -       -       -         -       -       -         -       -       -
	PROJECT TRUE NORTH NORTH
	DRAWING TITLE:
	Project No.19001Dwn/Chk ByMFM/DMPDate02/28/20ScaleAs indicatedDRAWING NUMBER:T1112

3. ALL CONDUITS AND JU SHOWN ARE FOR REFI

<u>GENERAL TECH</u>

CLIENT:

COMMUNICATIONS OUT WILL BE AS SHOWN ON WITH ELECTRICAL SUB 2. KEEP COMMUNICATION



) - (2) CAT 6A UTP CABLES PLENUM RATED TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6A UTP CABLES PLENUM RATED TO IDF/MDF VOICE RACK IN

- (2) CAT 6A UTP CABLES PLENUM RATED TO IDF/MDF IN BLOCKED AREA. 2 STRAND MULTI-MODE LASER OPTIMIZED ARMORED FIBER CABLE TO IDF/MDF IN BLOCKED AREA (TYPICAL)

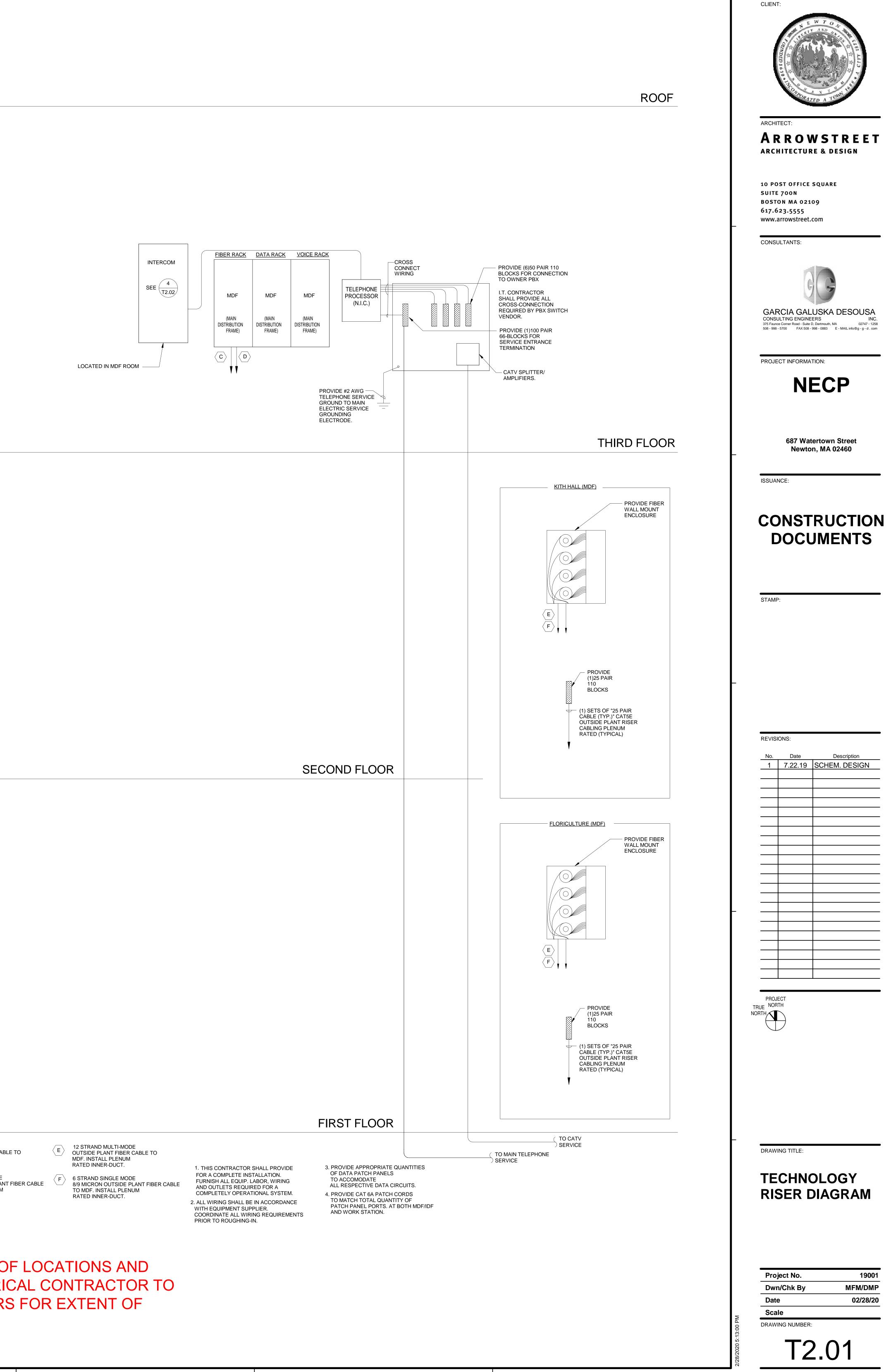
(7) - (1) CAT 6A UTP CABLE PLÉNUM RATED TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)

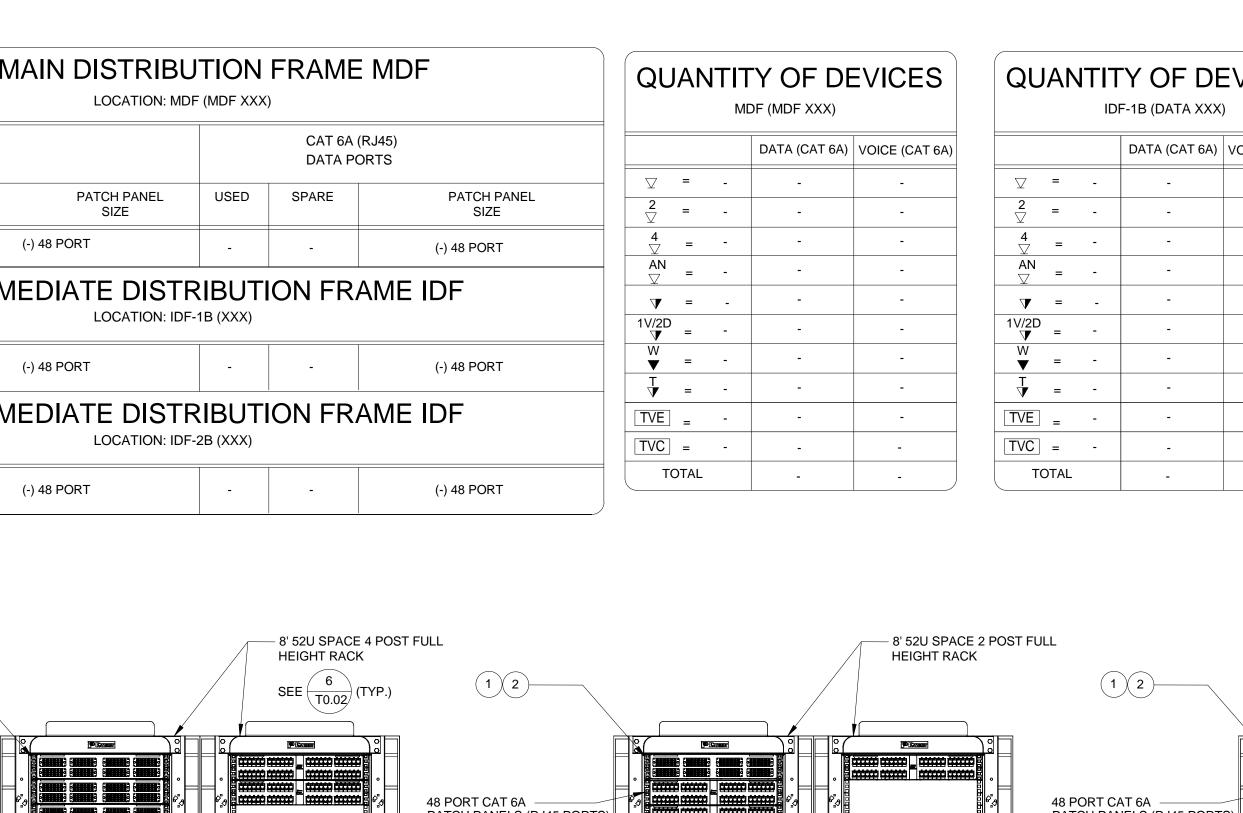
 $\langle A \rangle$ FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.  $\langle B \rangle$  6 STRAND SINGLE MODE 8/9 MICRON FIBER CABLE

NOTE: 12 STRAND MULTI-MODE Δ \ TO MDF. INSTALL PLENUM RATED INNER-DUCT.

84 STRAND MULTI-MODE OUTSIDE PLANT FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT. 42 STRAND SINGLE MODE 8/9 MICRON OUTSIDE PLANT FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.

DRAWINGS ARE PROVIDED FOR COORDINATION OF LOCATIONS AND DEVICES. ANY REFERENCE TO WORK BY ELECTRICAL CONTRACTOR TO BE VOIDED. REFER TO INSTRUCTIONS TO BIDDERS FOR EXTENT OF SCOPE FOR THIS PROJECT.





|| SEE DETAIL (TYP.) || '

PROVIDE (2) REAR

STRAIN RÈLIEF/CABLE

MANAGEMENT BARS

PER 48 PORT PATCH

SEPERATE CONTRACT. (TYP.)

VERTICAL WIRE -

MANAGEMENT

(TYP)

PROVIDED UNDER

PANEL (TYP.)

[000000],[000000],[000000],[000000]] [000000],[000000],[000000],[000000]]

VOICE RACK

\_\_\_\_\_

DATA/FIBER RACK

MDF DETAIL

 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1

DATA/FIBER RACK

T2.02 NOT TO SCALE

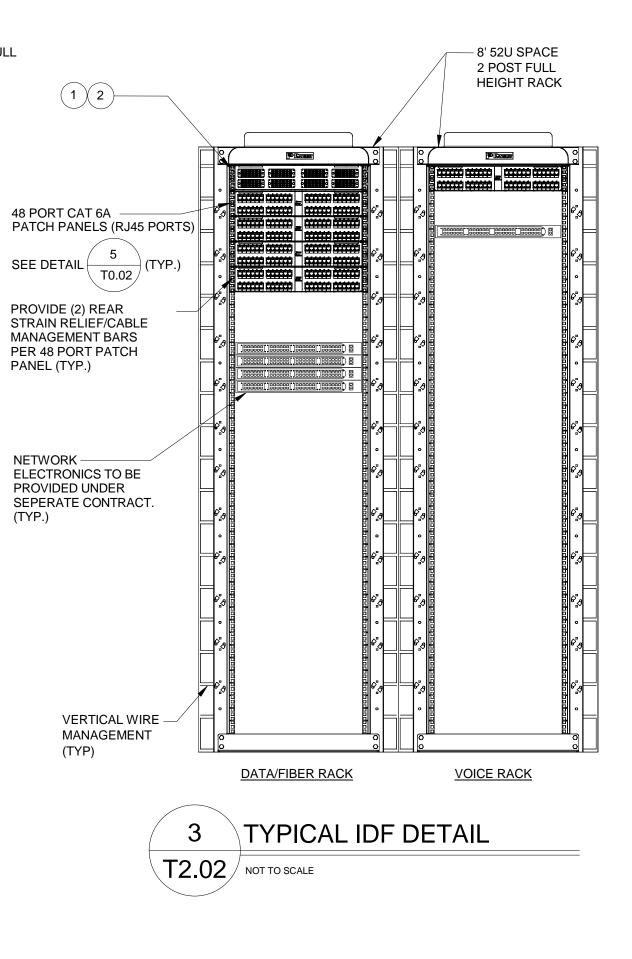
2 TYPICAL IDF DETAIL



VICES	QU	QUANTITY OF DEVICES			
VOICE (CAT 6A)				DATA (CAT 6A)	VOICE (CAT
-	$\Box$	=	-	-	-
-	2 ▽	=	-	-	-
-	<b>4</b> ▽	=	-	-	-
-	AN ▽	=	-	-	-
-	V	=	-	-	-
-	1V/2D	=	-	-	-
-	₩ ▼	=	-	-	-
-	T	=	-	-	-
-	TVE	=	-	-	-
-	TVC	=	-	-	-
- )	ТС	TAL		-	-



- FIBER OPTIC MULTIMODE LIU (LIGHTGUIDE INTERFACE UNIT) PATCH PANEL (12 PORT -SC CONNECTORS) - PREMISES DISTRIBUTION
- (2) FIBER OPTIC SINGLEMODE LIU (LIGHTGUIDE INTERFACE UNIT) PATCH PANEL (6 PORT -
- ST CONNECTORS) PREMISES DISTRIBUTION (3) FIBER OPTIC SINGLEMODE LIU (LIGHTGUIDE
- INTERFACE UNIT) PATCH PANEL (12 PORT -ST CONNECTORS) - PREMISES DISTRIBUTION



48 PORT CAT 6A -

PROVIDE (2) REAR

MANAGEMENT BARS

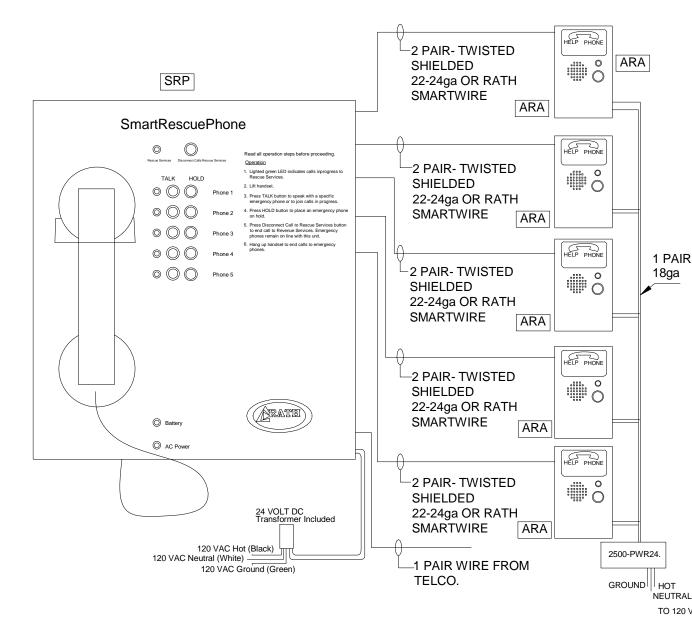
PER 48 PORT PATCH

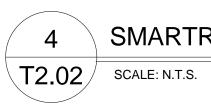
PROVIDED UNDER

PANEL (TYP.)

B ([555555],[555555],[555555]

VOICE RACK





SMARTRESCUE BASE STATION WIRING DIAG

SRP SMART RESCUE PHONE ARA AREA RESCUE ASSISTANCE BUTTON

	THE ATER ATER ATER ATER
	ARCHITECT: <b>ARROWSTREET</b> ARCHITECTURE & DESIGN
	10 POST OFFICE SQUARE SUITE 700N BOSTON MA 02109 617.623.5555 www.arrowstreet.com
	CONSULTANTS:
	GARCIA GALUSKA DESOUSA         CONSULTING ENGINEERS       INC.         375 Faunce Corner Road - Suite D, Dartmouth, MA       02747 - 1258         508 - 998 - 5700       FAX 508 - 998 - 0883       E - MAIL info@g - g - d . com
	PROJECT INFORMATION:
R	687 Watertown Street Newton, MA 02460
	ISSUANCE:
AL 0 VAC	DOCUMENTS
GRAM	STAMP:
	REVISIONS:
	No.         Date         Description           1         7.22.19         SCHEM. DESIGN
	PROJECT TRUE NORTH NORTH
	TECHNOLOGY DETAILS
	Project No. 19001 Dwn/Chk By MFM/DMP
	Date 02/28/20 Scale
	DRAWING NUMBER: T2.02

CLIENT: