_	ABBREVIATIONS
	ALL ABBREVIATIONS MAY BE USED.
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPLIFIER
AUTO	
A/V AWG	AUDIO VISUAL AMERICAN WIRE GAUGE
BB	BACKBONE
BC	BONDING CONDUCTOR
BGP	BORDER GATEWAY PROTOCOL
CCTV	CLOSED CIRCUIT TELEVISION
С	CEILING MOUNTED
CMP CMR	COMMUNICATIONS PLENUM
	COMMUNICATIONS RISER
DIA	DIAMETER
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EM	
ER FFA	EQUIPMENT ROOM (MDF) FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FT	FEET
GC	GENERAL TRADES CONTRACTOR
GND	GROUND
IN	INCHES
IP	
JB LAN	JUNCTION BOX
LCD	LIQUID CRYSTAL DISPLAY
М	METER
MC	MECHANICAL CONTRACTOR
MCC	MAIN CROSS CONNECT
MFGR	MANUFACTURER
	MANHOLE MECAHERTZ
MHZ MMF	MEGAHERTZ MULTIMODE FIBER
mm	MILLIMETER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OC	ON CENTER
OFCI	
OFOI	OWNER FURNISHED, OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
PA	
P/L	PROPERTY LINE PLENUM
PLE POE	
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
REV	REVISION
RM	ROOM
S	STRAND
SFP	SMALL FORM-FACTOR PLUGGABLE
SMF	
SP	SERVICE PROVIDER TELECOMMUNICATIONS BACKBONE BONDING
TBBC	CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
	TELECOMMUNICATIONS GROUNDING BUSBAR
TGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TMGB	
	TELECOM ROOM (IDF)
TMGB	TELECOM ROOM (IDF) TELEVISION
TMGB TR	TELEVISION TYPICAL
TMGB TR TV TYP UNO	TELEVISION TYPICAL UNLESS NOTED OTHERWISE
TMGB TR TV TYP UNO UTP	TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNSHIELDED, TWISTED PAIR
TMGB TR TV TYP UNO UTP V	TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNSHIELDED, TWISTED PAIR VOLTS
TMGB TR TV TYP UNO UTP	TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNSHIELDED, TWISTED PAIR VOLTS WIDE ARE NETWORK
TMGB TR TV TYP UNO UTP V WAN	TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNSHIELDED, TWISTED PAIR VOLTS
TMGB TR TV TYP UNO UTP V WAN WAP	TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNSHIELDED, TWISTED PAIR VOLTS WIDE ARE NETWORK WIRELESS ACCESS POINT

	TELECOM SYMBOLS	TELECOM REQUIREMENTS	PATHWAY REQU
⊠w	SINGLE-PORT WALL DATA OUTLET MOUNTED AT 44" AFF, UNO FOR WALL PHONE.	SINGLE GANG, ONE-PORT FACEPLATE. PROVIDE ONE CAT6 CABLE, TERMINATED ON PATCH PANEL IN TELECOM ROOM.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A RING AND 1" CONDUIT INSTALLED TO ABC CABLE TRAY OR TELECOM ROOM.
¥	WORKSTATION WALL OUTLET MOUNTED AT 18"AFF, UNO.	SINGLE GANG, TWO-PORT FACEPLATE. PROVIDE TWO CAT6 CABLES, TERMINATED ON PATCH PANEL IN TELECOM ROOM.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A RING AND 1" CONDUIT INSTALLED TO ABO CABLE TRAY OR TELECOM ROOM.
FBX	RECESSED WORKSTATION FLOOR OUTLET.	SINGLE GANG, SIX-PORT FACEPLATE. 'X' SUB-SCRIP = NUMBER OF DATA PORTS. PROVIDE SAME NUMBER OF CAT6 CABLES AS SUP-SCRIP NUMBER, TERMINATED ON PATCH PANEL IN TELECOM ROOM.	MULTI-SERVICE POWER/DATA FLOOR BO POWER AND (1) 1" FOR DATA FROM BOX CEILING, CABLE TRAY OR TELECOM ROO BOX INFORMATION.
₩н	WORKSTATION WALL OUTLET WITH (1) HDMI JACK AND (1) DATA PORT , MOUNTED AT 18"AFF, UNO.	SINGLE GANG FACEPLATE. PROVIDE SINGLE HDMI FEMALE PORT AND ONE DATA PORT. PROVIDE (1) HDMI CABLE FROM WORKSTATION WALL OUTLET TO LOCAL TV OUTLET. PROVIDE (1) CAT6 CABLE TO TR PATCH PANEL.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH / RING. (1) 1" AND (1) 1-1/2" CONDUIT INSTA ACCESSIBLE CEILING.
TV	WALL-MOUNTED TV OUTLET WITH (1) DATA AND (1) HDMI JACK. OUTLET MOUNTED AT 60" AFF, UON.	PROVIDE ONE CAT6 CABLE FROM TV OUTLET TO TELECOM ROOM PATCH PANEL. EXTEND AND TERMINATE HDMI CABLE FROM FLOOR OUTLET OR WORKSTATION OUTLET. SEE SPECIFICATION FOR WHEN SHIELDED CAT6 IS REQUIRED FOR HDMI EXTENSION.	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH / RING. (1) 1" CONDUIT INSTALLED TO ABO AND (1) 1-1/4" CONDUIT INSTALLED TO AE OR TO FLOOR BOX.
,Â,	DATA OUTLET FOR OWNER-PROVIDED WIRELESS ACCESS POINT, CEILING MOUNTED. W = WALL MOUNTED.	PROVIDE ONE CAT6A CABLE, TERMINATED ON CAT6A JACK IN PATCH PANEL AND INSIDE DATA OUTLET AT WAP. PROVIDE EXTRA 20' COIL OF CABLE AND ONE 12-INCH PATCH CORD AT FINAL WAP LOCATION.	4-11/16" SQUARE, 2.125" DEEP BOX WITH MOUNTED FLUSH TO THE CEILING.
SP	SPEAKER, FLUSH MOUNTED.	PROVIDE CABLING AND CONNECTOR PER SPECIFICATION.	4-11/16" SQUARE, 2.125" DEEP BOX.3/4"C CABLE TRAY OR TO TELECOM ROOM.
SP	LOCAL SPEAKER, SUFACE MOUNTED.	PROVIDE CABLING AND CONNECTOR PER SPECIFICATION.	4-11/16" SQUARE, 2.125" DEEP BOX.3/4"C A/V EQUIPMENT CABINET.
PA	PA SPEAKER, SURFACE MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.	4-11/16" SQUARE, 2.125" DEEP BOX.3/4"C CABLE TRAY OR TO TELECOM ROOM.
PA	PA SPEAKER, FLUSH MOUNTED.	PROVIDE SPEAKER AND CABLING PER SPECIFICATION.	4-11/16" SQUARE, 2.125" DEEP BOX.3/4"C CABLE TRAY OR TO TELECOM ROOM.
۲	RECESSED CEILING MOUNTED DATA OUTLET.	PROVIDE ONE CAT6 CABLE, TERMINATED ON CAT6 JACK IN PATCH PANEL AND INSIDE DATA OUTLET. PROVIDE EXTRA 10' COIL OF CABLE AND ONE 12-INCH PATCH CORD AT FINAL DEVICE LOCATION.	4-11/16" SQUARE, 2.125" DEEP BOX WITH MOUNTED FLUSH TO THE CEILING.

NOTE: NOT ALL SYMBOLS MAY BE USED.

Canal Winchester Camera Schedule							
Number		Mounting		enDescription	Sheet		
	Outdoor 360 (4 lens)	Pole-mounted	Exterior	Entrance/Walkway/lot/sidewalk	T002		
Q	Outdoor 360 (4 lens)	Pole-mounted	Exterior	West Driveway 1/2/3/4	T002		
Ø	Outdoor 360 (4 lens)	Pole-mounted	Exterior	Parking Lot Cam 1 View 1/2/3/4	T002		
•	Outdoor 360 (4 lens)	Pole-mounted	Exterior	Parking Lot Cam 2 View 1/2/3/4	T002		
~				Green space looking toward Groveport			
65	Outdoor dome	Pole-mounted	Exterior	Rd	T002		
Ø	Outdoor dome	Pole-mounted	Exterior	Green space looking toward parking lot	T002		
Ø	Outdoor panaromic (3 lens)	Pole-mounted	Exterior	West Driveway	T002		
63	Outdoor panaromic (3 lens)	Pole-mounted	Exterior	East Entrance	T002		
(1)	Outdoor 360 (4 lens)	Ext corner mount	Exterior	SW Corner	T101		
2	Outdoor dual-lens	Ext corner mount	Exterior	NW Corner	T101		
(3)	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NE Corner	T101		
(4)	Outdoor 360 (4 lens)	Ext corner mount	Exterior	NE Corner	T101		
(5)	Outdoor dome	Ext wall mount	Exterior	Ext Delivery Door	T101		
5	Outdoor dual-lens	Ext wall mount	Exterior	Public Entrance/Staff Door	T101		
$\overline{(7)}$	Outdoor dome	Ext wall mount	Exterior	Periodical Exit Door	T101		
8	Indoor dual-lens	Int ceiling mount	Interior	Vestibule 1/ 2	T101		
(9)	Indoor dome	Int wall mount	Interior	Teen 1	T101		
(10)	Indoor dome	Int wall mount	Interior	Teen 2	T101		
	Indoor dome	Int ceiling mount	Interior	Periodicals	T101		
(12)	Indoor dome	Int ceiling mount	Interior	Multipurpose Room	T101		
13	Indoor dome	Int wall mount	Interior	Tween Area	T101		
14	Indoor 360 (4 lens)	Int ceiling mount	Interior	Childrens 1/2/3/4	T101		
(15)	Indoor dome	Int wall mount	Interior	Childrens East	T101		
16	Indoor dome	Int ceiling mount	Interior	Quiet Room	T101		
17	Indoor dome	Int wall mount	Interior	Public Computers	T101		
10 17 18 19 20	Indoor dome	Int wall mount	Interior	Business Center	T101		
(19)	Indoor dual-lens	Int wall mount	Interior	Public Area / West Collection Area 2	T101		
20	Indoor dual-lens	Int wall mount	Interior	Circ Desk 1/West Collection Area 1	T101		
				Circ Desk 2/Meeting Room			
21	Indoor 360 (4 lens)	Int ceiling mount	Interior	Corridor/Restrooms/Book Drop	T101		
22	Indoor dome	Int ceiling mount	Interior	North Collection Area	T101		
23	Indoor dome	Int ceiling mount	Interior	Small Mtg Rm 1	T101		
24	Indoor dome	Int ceiling mount	Interior	Small Mtg Rm 2	T101		
23	Indoor dome	Int ceiling mount	Interior	Large Mtg Rm	T101		
	Indoor dome	Int ceiling mount	Interior	Delivery Entrance Door	T101		
27)	Indoor dome	Int ceiling mount	Interior	Staff Entrance Door	T101		

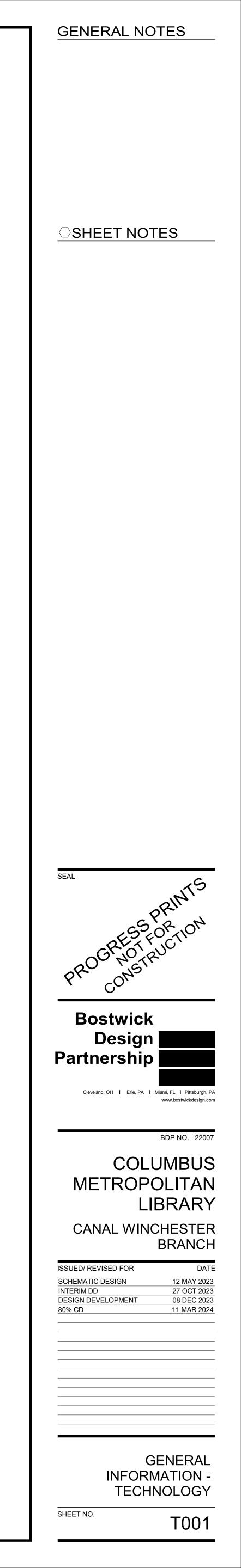
QUIREMENTS	SECURITY SYMBOLS	PATHWAY REQUIREMENTS
H A SINGLE GANG PLASTER BOVE ACCESSIBLE CEILING,	VIDEO SURVEILLANCE CAMERA, OWNER PROVIDED W=WALL MOUNTED '180' = DUAL LENS CAMERA '360' = QUAD LENS CAMERA 'D' = DOME LENS CAMERA	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. PROVIDE CAMERA, CAT6 CABLE AND "BISCUIT" OUTLET.
H A SINGLE GANG PLASTER ABOVE ACCESSIBLE CEILING,		4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
BOX. (1) 1" CONDUIT FOR DX TO ABOVE ACCESSIBLE DOM. SEE DIVISION 26 FOR	CR CARD READER, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. 48" AFF. 'KP' = WITH KEYPAD
H A SINGLE GANG PLASTER TALLED TO ABOVE	DC DOOR CONTACT, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
H A SINGLE GANG PLASTER BOVE ACCESSIBLE CEILING ABOVE ACCESSIBLE CEILING,	GB GLASS BREAK SENSOR, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
TH A 3" ROUND PLASTER RING	MD MOTION DETECTOR, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
'C TO NEXT SPEAKER, TO	MS CCTV MONITOR STATION, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING.
C TO NEW, SPEAKER OR TO	PUSH BUTTON - PANIC, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
"C TO NEXT SPEAKER, TO	LD PUSH BUTTON - LOCK DOWN, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 3/4" CONDUIT INSTALLED TO ABOVE ACCESSIBLE CEILING. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
'C TO NEXT SPEAKER, TO	I INTERCOM - STATION, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO TELECOM RACK.
H A 3" ROUND PLASTER RING	D DOOR BELL, OWNER PROVIDED	4-11/16" SQUARE, 2-1/8" DEEP BOX WITH A SINGLE GANG PLASTER RING AND 1" CONDUIT INSTALLED TO TELECOM RACK.

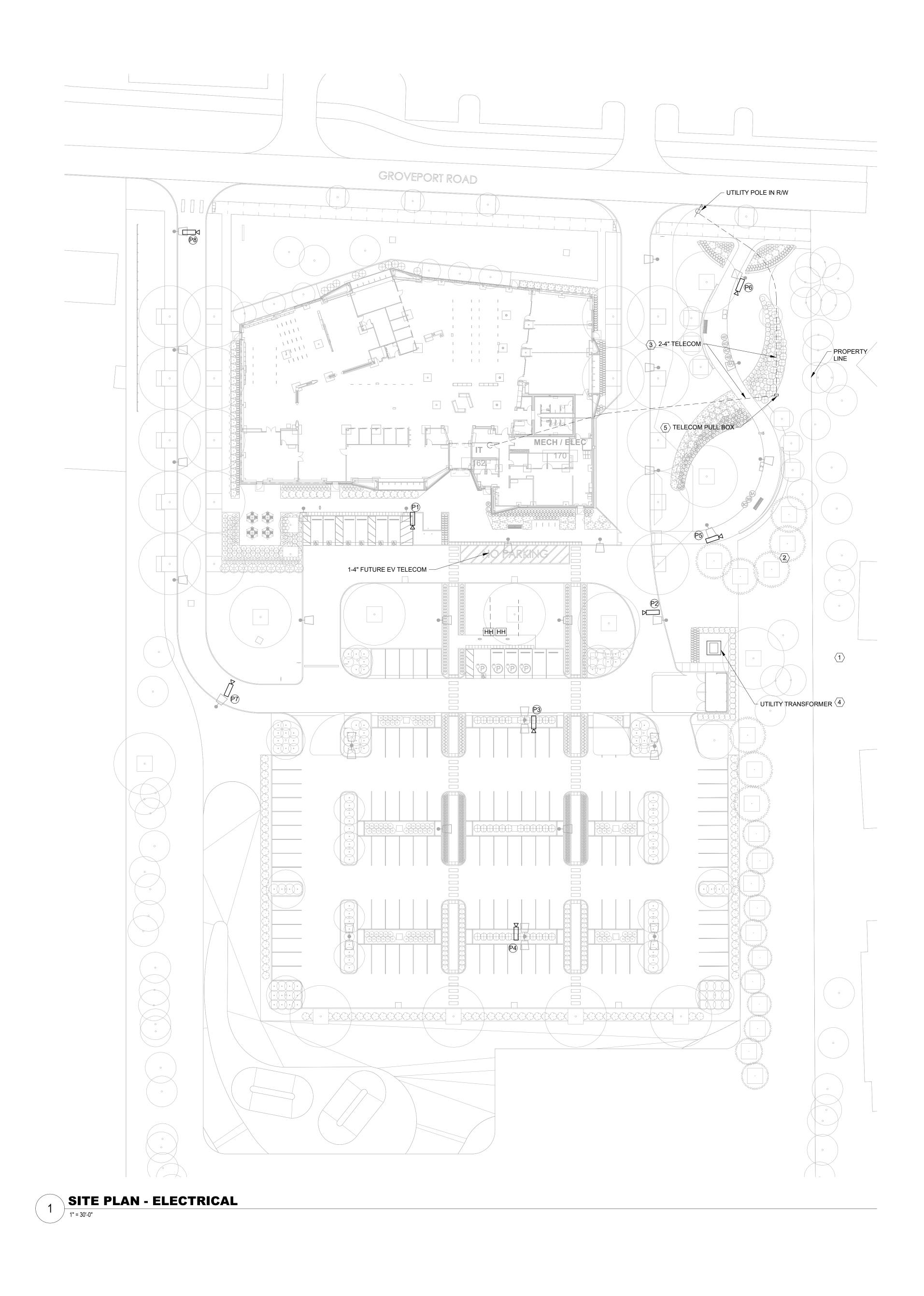
NOTE: NOT ALL SYMBOLS MAY BE USED.

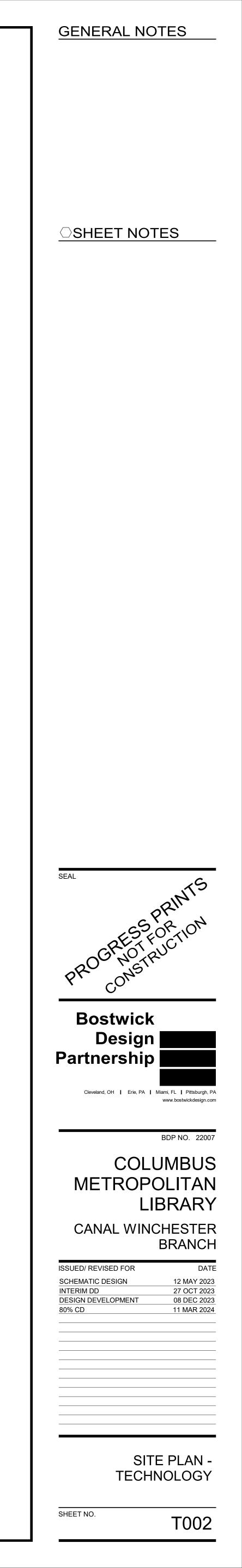
SECURITY KEYNOTES : A. PROVIDE CAT6 CABLE FROM CARD READER TO NEAREST ER/TR AND LEAVE WITH A 10' SERVICE LOOP COILED AT THE BACKBOARD SPACE RESERVED FOR THE OWNERS 'S2' CONTROL

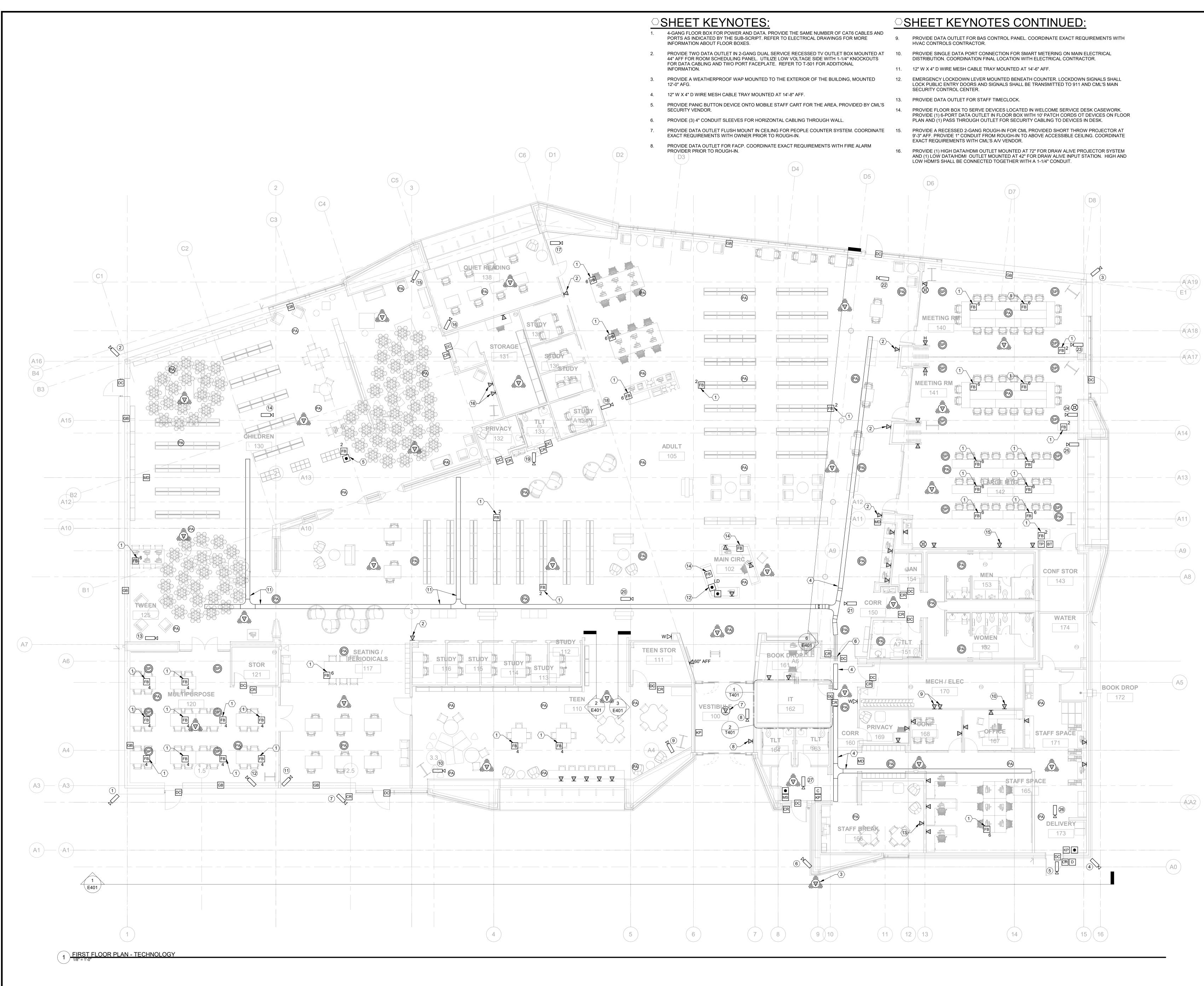
UNITS. B. CONTRACTOR SHALL PLAN FOR ONE PRE-INSTALLATION MEETING WITH OWNER, DOOR HARDWARE SUPPLIER AND ARCHITECT TO REVIEW LOCATIONS AND INSTALLATION

ARCHITECT TO REVIEW LOCATIONS AND INSTALLATION REQUIREMENTS.
C. ALL SECURITY DEVICES SHOWN ON FLOOR PLANS AND SYMBOLS ABOVE SHALL BE ROUGH-INS AND PATHWAYS ONLY. WITH DEVICES PROVIDED BY CML'S SECURITY VENDOR. CONTRACTOR SHALL VERIFY EXACT ROUGH-IN REQUIREMENTS WITH CML'S SECURITY VENDOR PRIOR TO ROUGH-IN.









	GENERAL NOTES
Α.	FIELD VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION WORK TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN DIVISIONS 27 AND 28.
В.	COORDINATE ALL ROUGH-IN REQUIREMENTS OF DEVICES IN CASEWORK, FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ROUGH-IN.
C.	COORDINATE ALL FINAL DEVICE COLOR AND FINISHES SELECTIONS WITH ARCHITECT AND OWNER.
D.	ALL DATA CABLES SHALL BE ROUTED IN CABLE TRAY, J-HOOKS OR CONDUIT. CABLES SHALL BE ROUTED INCONSPICUOUSLY, PARALLEL TO BUILDING STRUCTURES AND DUCTWORK, ETC.
E.	ALL WIRE IN CONDUITS (INCLUDING FLEX CONDUIT) SHALL BE CONCEALED WHERE POSSIBLE. IF SURFACE CONDUIT IS USED IT MUST FIRST BE APPROVED BY A/E AND PAINTED TO MATCH WALL/CEILING FINISHES.
F.	COORDINATE LOCKDOWN FUNCTIONS WITH ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS FOR INTEGRATION IN THE ACCESS CONTROL SYSTEM.
G.	ALL DATA CABLING SHALL BE HOMERUN TO IT ROOM 162.
H.	COORDINATE ALL A/V DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH CML A/V VENDOR (NEW ERA).
I.	PROVIDE SEALS AROUND ALL CONDUITS AND ALL ELECTRICAL PENETRATIONS.
J.	COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.
K.	MOUNT ALL EXTERIOR SECURITY CAMERAS AT 10'-0" AFG.
L.	ALL SECURITY DEVICES SHOWN ARE ROUGH-INS AND PATHWAYS ONLY. SECURITY DEVICES SHALL BE PROVIDED BY CML'S SECURITY VENDOR.





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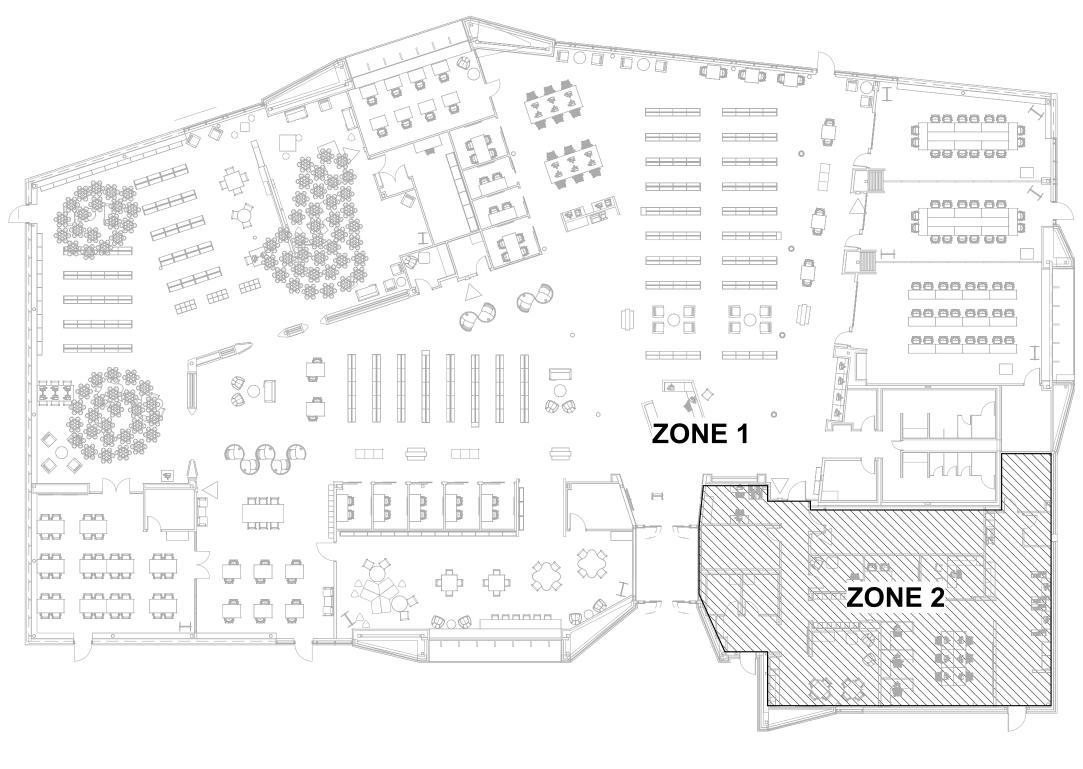
ISSUED/ REVISED FOR DATE 12 MAY 2023 27 OCT 2023 08 DEC 2023 11 MAR 2024

SCHEMATIC DESIGN INTERIM DD DESIGN DEVELOPMENT 80% CD

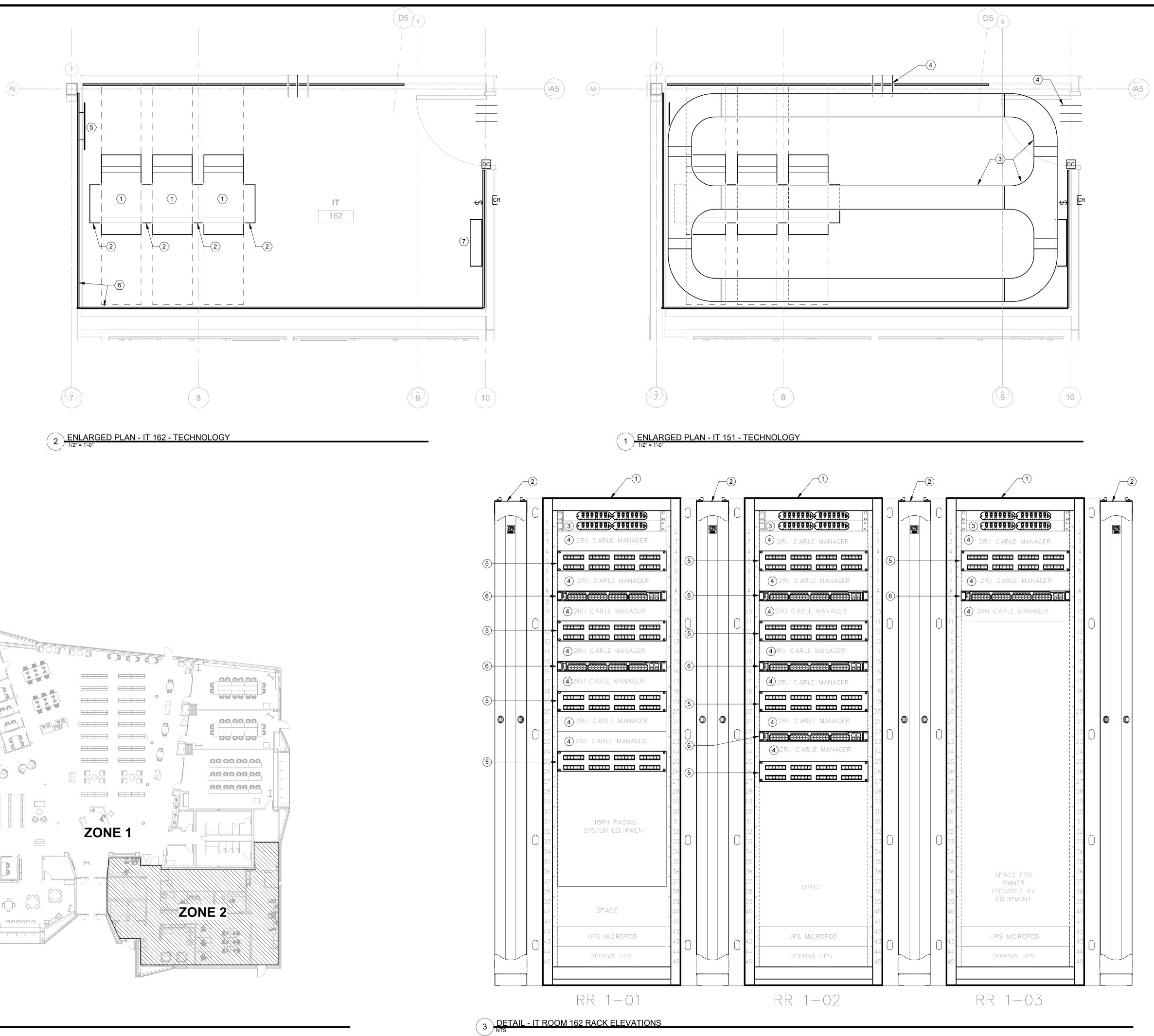
FIRST FLOOR PLAN -TECHNOLOGY

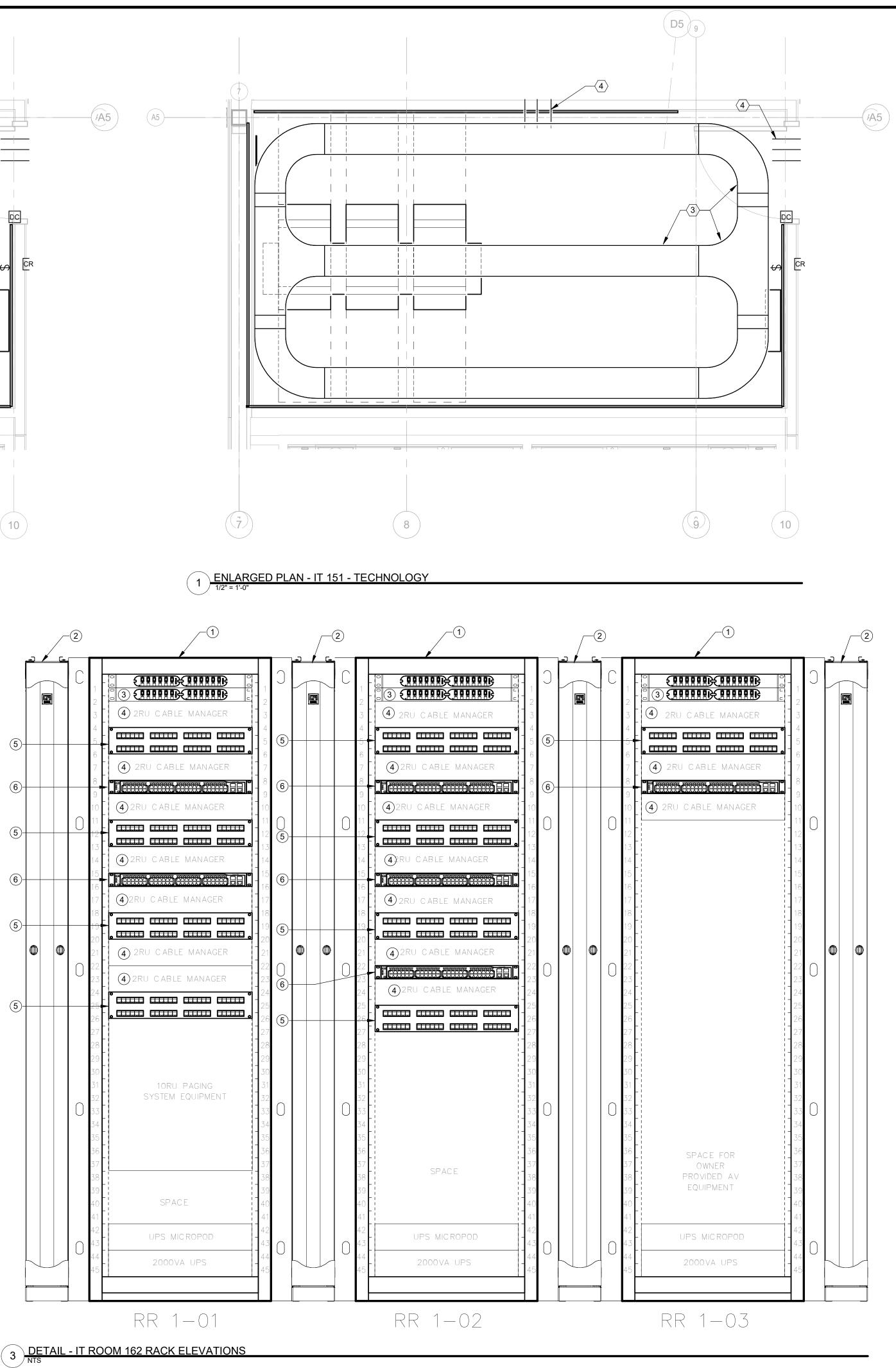
SHEET NO.

T101



4 FIRST FLOOR PLAN - P/A PAGING ZONES





SHEET KEYNOTES:

- 84" H X 20" W X 30" D 4-POST RACK WITH EIA STANDARD 19" RACK RAILS. 45 RACK UNITS OF MOUNTING SPACE.
- 6" WIDE VERTICAL WIRE MANAGEMENT ON EACH SIDE OF THE RACK.
- 48 PORT, 2RU FIBER OPTIC DISTRIBUTION PANEL.
- 4. 2RU HORIZONTAL CABLE MANAGEMETN.
- 5. 2RU, 48 PORT COPPER PATCH PANEL
- 6. 1RU, 48 PORT NETWORK SWITCH.

