

LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS (CONTINUED)					
POWER REQUIRED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	TYPICAL LOCATION	BACK BOX	NOTES
NONE		MONITOR WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	2-GANG	REFER TO NOTE 0
NONE		AUDIO INPUT WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE 0
NONE		INTERCOM WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE 0
NONE		MIXER INPUT WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE 0
NONE		VIDEO INPUT WALL PLATE BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL CONTROL RACK	18" A.F.F.	2-GANG	REFER TO NOTE 0
NONE		PROJECTION SCREEN LOW VOLTAGE CONTROLLER SWITCH WALL PLATE BACK BOX WITH 1" CONDUIT TO PROJECTION SCREEN LOW VOLTAGE CONTROLLER	48" A.F.F.	1-GANG	REFER TO NOTE 0
NONE		LOCAL SOUND SYSTEM CEILING MICROPHONE BACK BOX WITH 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING/ SUSPENDED FROM STRUCTURE	1-GANG	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM ASSISTED LISTENING ANTENNA BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING/ STRUCTURE OR AS NOTED	1-GANG	REFER TO NOTE 0
NONE		WIRELESS MICROPHONE RF ANTENNA PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING/ STRUCTURE OR AS NOTED	1-GANG	REFER TO NOTE 0
NONE		BLUETOOTH PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	AS NOTED	2-GANG	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM SPEAKER, CEILING MOUNTED 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING OR SUSPENDED FROM CEILING	N/A	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM SUBWOOFER SPEAKER, CEILING MOUNTED 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING OR SUSPENDED FROM CEILING	N/A	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM SPEAKER, SURFACE WALL MOUNTED 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	96" A.F.F. OR AS NOTED	N/A	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM SUSPENDED SPEAKER 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	SUSPENDED FROM CEILING OR STRUCTURE	N/A	REFER TO NOTE 0
NONE		VIDEO PROJECTOR OUTLET BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL EQUIPMENT RACK FOR AUDIOVISUAL CABLEING	AS NOTED	1-GANG	REFER TO NOTE 0
120 VAC QUAD		LARGE VENUE VIDEO PROJECTOR REFER TO SPECIFICATIONS FOR DETAILS.	AS NOTED	N/A	REFER TO NOTE 0

DIGITAL SIGNAGE SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	FACEPLATE	NOTES
120 VAC DUPLEX		VCE – CEILING VIDEO OUTLET: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER.	ON CEILING		REFER TO NOTES A, H
120 VAC DUPLEX		VH – HIGH VIDEO OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER.	REFER TO ARCH. DETAILS AND DRAWING DETAIL 4		REFER TO NOTES A, H
120 VAC DUPLEX		FLAT PANEL TV DISPLAY PANEL FOR DIGITAL SIGNAGE: XX=DIAGONAL SIZE AS NOTED FLAT PANEL DIGITAL SIGNAGE DISPLAYS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	REFER TO DETAIL 5	N/A	REFER TO NOTES A, H

VIDEO SURVEILLANCE CAMERA SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
PoE		H.264 HD IP CCTV DOME CAMERA WITH IR COLOR, DAY/NIGHT, P.W. VARIABLE FOCAL LENGTH LENS, INDOOR/OUTDOOR DOME, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	ON CEILING, OR 15" TO 25" A.F.F.	TWO GANG	REFER TO NOTES A, I
PoE		H.264 HD IP CCTV BULLET/BOX CAMERA WITH SUN SHADE AND IR COLOR, DAY/NIGHT, P.W. VARIABLE FOCAL LENGTH LENS, OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	25" A.F.F. TYPICAL.	TWO GANG	REFER TO NOTES A, I
PoE		H.264 HD 1080P MULTI-LENS IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, P.W. VARIABLE FOCAL LENGTH LENS, INDOOR/OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	ON CEILING, OR 15" TO 25" A.F.F./A.F.G.	TWO GANG	REFER TO NOTES A, I
PoE		H.264 HD 270P MULTI-SENSOR IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, P.W. VARIABLE FOCAL LENGTH LENS, INDOOR/OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	ON CEILING, OR 15" TO 25" A.F.F./A.F.G.	TWO GANG	REFER TO NOTES A, I

CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNTS					
LDC = LOCATION EXT-1=EXTENSION CAMERA I = INTERIOR/OUTDOOR CAMERA TYP = CAMERA TYPE D = DOME, MD = 3 OR 4 MULTI-SENSOR DOME, B = BULLET/BOX, FC = FISHEYE, PTZ = PAN/TILT/ZEEM RES = RESOLUTION 1, 2, 3, 5, 6, 9, 10, 15, 20, 24, 30 (8MP/4K/6K/8K) MNT = CAMERA MOUNT CE = CEILING MOUNTED SW = SURFACE WALL MOUNTED PW = PENDANT WALL MOUNTED PP = PENDANT POLE MOUNTED PC = PENDANT CORNER MOUNTED					

DOOR AUDIO / VIDEO INTERCOM CONTROL SYSTEM					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
12/24 VAC		AES – IP AUDIO ENTRANCE STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/BUILDING SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES.	48" A.F.F.	ONE GANG	REFER TO NOTES A, J
12/24 VAC		VES – IP VIDEO/AUDIO ENTRANCE STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/BUILDING SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES.	48" A.F.F.	ONE GANG	REFER TO NOTES A, J
12/24 VAC		MES – IP MULTI-TENANT VIDEO/AUDIO ENTRANCE STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/BUILDING SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES.	48" A.F.F.	ONE GANG	REFER TO NOTES A, J
120 VAC DUPLEX		VMS – IP VIDEO/MONITOR/HANDESET MASTER STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/ BUILDING SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES.	18" A.F.F.	ONE GANG	REFER TO NOTES A, J

INTRUSION DETECTION SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		DC – DOOR CONTACTS, FLUSH MOUNTED: CABLEING: #22 AWG 4-CONDUCTOR UNSHIELDED, OR AS PER MANUFACTURER RECOMMENDATION.	N/A/ DOOR FRAME & DOOR	REFER TO NOTE K	
NONE		MS – MOTION SENSOR: WALL MOUNTED TYPICAL CABLEING: #22 AWG 4-CONDUCTOR, OR AS PER MANUFACTURER RECOMMENDATION. C-CEILING MOUNTED	MAX OF 96" A.F.F. OR 8" WALL MOUNTED WITH FLUSH TO CEILING	REFER TO NOTE K	
NONE		MS LR – MOTION SENSOR WITH LONG RANGE LENS: WALL MOUNTED TYPICAL C-CEILING MOUNTED	MAX OF 96" A.F.F. OR 8" WALL MOUNTED WITH FLUSH TO CEILING	REFER TO NOTE K	
12/24 VAC		SA – SIREN FOR INTRUSION ALARM SYSTEM: WIREMOLD PER SERIES, 30' CABLE, FLOOR BOX. REFER TO ELECTRICAL SPECIFICATIONS. HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	96" A.F.F.	ONE GANG	REFER TO NOTE K
12/24 VAC		BEACON FOR INTRUSION ALARM SYSTEM, BLUE: CABLEING: #22 AWG 6-CONDUCTOR SHIELDED CABLE, OR AS PER MANUFACTURER RECOMMENDATION. HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	MIN. 120" A.F.F. COORDINATE LOCATION W/ ARCH.	ONE GANG	REFER TO NOTE K
NONE		KP – KEY PAD, WALL MOUNTED: CABLEING: #22 AWG 4-CONDUCTOR SHIELDED, OR AS PER MANUFACTURER RECOMMENDATION HOME RUN TO INTRUSION ALARM SYSTEM HEAD-END.	48" A.F.F.	ONE GANG	REFER TO NOTE K

ACCESS CONTROL SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		OR – PROXIMITY/CARD READER: CABLEING: #22 AWG 6-CONDUCTOR SHIELDED, OR AS PER MANUFACTURER RECOMMENDATION. ELECTRONIC DOOR LATCHES AND REQUIRES TO DEVICE BY DOOR HARDWARE VENDOR. POWER SUPPLY FOR DOOR HARDWARE FURNISHED BY DOOR HARDWARE VENDOR AND INSTALLED BY E.C.	48" A.F.F.	ONE GANG	REFER TO NOTES A, L

PANIC BUTTON/ALERT SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		PB – PANIC BUTTON/ALERT SYSTEM WIRELESS BUTTON: BUTTON ALERT DEVICE COORDINATE EXACT LOCATION FOR FIXED BUTTONS WITH OWNER PRIOR TO ALL WORK.	COORDINATE WITH OWNER	N/A	REFER TO NOTE M
24VDC		PL – PANIC BUTTON/ALERT SYSTEM PRISM STROBE LIGHT: SURFACE WALL MOUNTED STROBE LIGHT FOR PANIC BUTTON/ALERT SYSTEM. REQUIRES POWER WIRING FROM 24VDC LIFE SAFETY POWER SUPPLY. WP=WEATHERPROOF	96" A.F.F. OR AS NOTED	ONE GANG	REFER TO NOTE M
120VAC DUPLEX		RPT – PANIC BUTTON/ALERT SYSTEM REPEATER: TIGHT TO 24VDC WIRING AND ELECTRICAL RECEPTACLE INSTALLED IN NON-METALLIC ALL-WEATHER NEMA WALL BOX ENCLOSURE.	N/A	REFER TO NOTE M	
120 VAC HARDWIRED		CTRL – PANIC BUTTON/ALERT SYSTEM CONTROL PANEL: DURESS ALERT SYSTEM CONTROL PANEL INSTALLED ON BACKBOARD IN MOP/HEAD END ROOM.	N/A	REFER TO NOTE M	

WIRELESS DOOR CHIME SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		WIRELESS BATTERY OPERATED DOOR CONTACT FOR DOOR CHIME SYSTEM.	ABOVE CORRIDOR ENTRY DOOR	N/A	REFER TO NOTE N
24VDC		WIRELESS RECEIVER/CHIME FOR DOOR CHIME SYSTEM. PROVIDE TWO (2) RECEIVERS FOR SHOP OFFICE AND OTHER LOCATION DETERMINED BY SHOP INSTRUMENTS.	REFER TO DRAWINGS	N/A	REFER TO NOTE N

VAPE DETECTION SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
PoE		VAPE – DATA OUTLET FOR VAPE DETECTORS: (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO SEPARATE BUILDING SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO PUE SWITCHES FOR BUILDING SYSTEMS.	ABOVE CEILING		REFER TO NOTES A, N

LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	TYPICAL LOCATION	BACK BOX	NOTES
120 VAC QUAD DEDICATED		MIDDLE ATLANTIC DTP SERIES AUDIOVISUAL SYSTEM EQUIPMENT WALL RACK	AS NOTED ON DRAWINGS	N/A	REFER TO NOTE O
120 VAC QUAD DEDICATED		MIDDLE ATLANTIC WRK SERIES AUDIOVISUAL SYSTEM EQUIPMENT RACK	AS NOTED ON DRAWINGS	N/A	REFER TO NOTE O
NONE		AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL WITH CLEAR PLASTIC SECURITY COVER: PROGRAM CONTROL TOUCH PANEL AS REQUIRED BY OWNER BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	48" A.F.F. OR AS NOTED	48" A.F.F.	REFER TO NOTE O
NONE		AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE O
NONE		DANTE INPUT WALL PLATE: BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	96" A.F.F.	ONE GANG	REFER TO NOTE O

TELECOMMUNICATIONS WORK AREA OUTLET SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	TYPICAL FACEPLATE	NOTES
120 VAC DUPLEX FOR EACH DATA GROUP		DX – DATA OUTLET: W/25-30' CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. DX = NUMBER OF DATA JACKS = (1, 2, 3, 4, 5, 6). (X) = VOIP PHONE HANDESET TYPE. VOIP HANSETS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT. (P) = VOIP PHONE HANDESET. (CP) = VOIP CONFERENCE PHONE.	18" A.F.F. OR AS NOTED.		REFER TO NOTE A
120 VAC ONE DUPLEX FLUSH RECEPTACLE COPIER		T2 – TEL./DATA WORK AREA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR VOICE CABLED TO SEPARATE VOICE PATCH PANEL IN NEAREST WIRE CENTER AND CROSS-CONNECTED TO VOICE TERMINATION FIELD. T2 = DEDICATED EMERGENCY ELEVATOR LINE, F = DEDICATED FAX LINE, M = DEDICATED MODER LINE, T = DEDICATED POTS VOICE LINE. (F) = ONE (1) DEDICATED FAX LINE.	18" A.F.F. OR AS NOTED.		REFER TO NOTES A, B
NONE		VWP – WALL TELEPHONE OUTLET: ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (IP) = VOIP PHONE HANDESET PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	48" A.F.F.		REFER TO NOTE A
NONE		TELEPHONE OUTLET: ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DEDICATED POTS PHONE LINE CABLED TO SEPARATE VOICE PATCH PANEL IN NEAREST WIRE CENTER AND CROSS-CONNECTED TO VOICE TERMINATION FIELD. (X) = TYPE OF POTS PHONE LINE. F = DEDICATED FAX LINE, M = DEDICATED MODER LINE, T = DEDICATED POTS VOICE LINE.	18" A.F.F.		REFER TO NOTES A, B
NONE		DPI – DOOR PHONE INTERCOM OUTLET: ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (SP) = DOOR PHONE/INTERCOM SIP DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	48" A.F.F.		REFER TO NOTE A
NONE		WAP – ABOVE CEILING WIRELESS ACCESS POINT DATA OUTLET: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS INSTALLED ABOVE CEILING FOR DATA AND CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER.	ABOVE CEILING OUTLET IN ACT. AREAS.		REFER TO NOTE A
NONE		WAP – FLUSH WALL MOUNTED WIRELESS ACCESS POINT DATA OUTLET: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER. INSTALLED IN CONJUNCTION WITH WALL ENCLOSURE ("WE") .	FLUSH WALL OUTLET IN ACT. AREAS. FOR DATA AND LOCATIONS.		REFER TO NOTES A, H

SECURITY AND BUILDING SYSTEMS SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	TYPICAL FACEPLATE	NOTES
PoE		CCTV – ABOVE CEILING CCTV DATA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA INSTALLED ABOVE CEILING AND CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ABOVE CEILING, COORDINATE LOCATION PRIOR TO INSTALLATION		REFER TO NOTES A, I
PoE		CCTV – FLUSH WALL MOUNTED CCTV DATA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA FLUSH WALL MOUNTED AND CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ON WALL, COORDINATE LOCATION & ELEVATION PRIOR TO INSTALLATION		REFER TO NOTES A, I
PoE		VAP – ABOVE CEILING VAPE DETECTOR SENSOR DATA OUTLET: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA INSTALLED ABOVE CEILING AND CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. COORDINATE EXACT LOCATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ABOVE CEILING, COORDINATE LOCATION PRIOR TO INSTALLATION		REFER TO NOTES A, N
PoE		GDS – ABOVE CEILING GUNSHOT DETECTOR SENSOR DATA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA INSTALLED ABOVE CEILING AND CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. COORDINATE EXACT LOCATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ABOVE CEILING, COORDINATE LOCATION PRIOR TO INSTALLATION		REFER TO NOTE A
PoE		GDS – FLUSH WALL MOUNTED GUNSHOT DETECTOR SENSOR DATA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA FLUSH WALL MOUNTED AND CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ON WALL, COORDINATE LOCATION & ELEVATION PRIOR TO INSTALLATION		REFER TO NOTE A
REFER TO ARCH. DETAILS AND DRAWING DETAIL 2		SX – BUILDING SYSTEMS DATA OUTLET: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS DATA PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PUE SWITCHES. X = NUMBER OF DATA JACKS = (1, 2, 3, 4, 5, 6).	COORDINATE WITH E.C. AND/OR HVAC CONTRACTOR		REFER TO NOTE A

MISC. BACK BOXES, FLOOR BOXES, BRACKETS AND ENCLOSURE SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	ENCLOSURE BACK BOX	NOTES
120 VAC QUAD MINIMUM		INDICATES TELECOMMUNICATIONS OUTLETS MOUNTED IN COMBINATION ELECTRICAL / LOW VOLTAGE FLOOR BOX PER SERIES, 30' CABLE, FLOOR BOX. REFER TO ELECTRICAL SPECIFICATIONS. TELECOMMUNICATIONS CONNECTOR TYPES AS INDICATED BY TELECOMMUNICATION SYMBOLS.	IN FLOOR	N/A	N/A
120 VAC QUAD		INDICATES TELECOMMUNICATIONS POKE-THRU DEVICE, OR AS PER MANUFACTURER RECOMMENDATION. TELECOMMUNICATIONS CONNECTORS AS INDICATED BY THE TELECOMMUNICATIONS SYMBOLS.	IN FLOOR	N/A	N/A
120 VAC REEL		INDICATES TELECOMMUNICATIONS OUTLET ON CEILING IN COMBINATION WITH A RETRACTABLE STEEL DATA CORD REEL WITH CAT 6 UTP CABLE. RETRACTABLE DATA REEL, METEX HANGER SPRING DUNBELL OR APPROVED EQUAL.	ON CEILING	N/A	N/A
120 VAC QUAD		INDICATES EMPTY BACK BOX. BACK BOX, PATTERNS, AND BLANK FACE PLATE PROVIDED BY E.C. CABLEING PROVIDED BY OWNER UNDER SEPARATE CONTRACT (N.E.C.).	AS NOTED ON DRAWINGS	ONE GANG	N/A
NONE		WE – ENCLOSURE FOR WIRELESS ACCESS POINT: NON-METALLIC ENCLOSURE WITH CLEAR COVER TO HOUSE WIRELESS ACCESS POINT DEVICE. INSTALL ENCLOSURE DIRECTLY OVER WIRELESS ACCESS POINT (WAP) OUTLET. WP = WEATHER PROOF ENCLOSURE WIRELESS ACCESS POINT DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	REFER TO DWG. NOTES	N/A	REFER TO NOTE A, P

PUBLIC ADDRESS SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		PUBLIC ADDRESS SPEAKER, FLUSH CEILING MOUNTED	ON CEILING	SPECIAL	REFER TO NOTE C
NONE		PUBLIC ADDRESS SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	COORDINATE WITH ARCHITECT	SPECIAL	REFER TO NOTE C
NONE		PUBLIC ADDRESS HORN SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	COORDINATED WITH ARCHITECT	SPECIAL	REFER TO NOTE C
NONE		PUBLIC ADDRESS HORN SPEAKER, IN A 4" DEEP BACK BOX SURFACE MOUNTED ON DECK	COORDINATED WITH ARCHITECT	SPECIAL	REFER TO NOTE C
NONE		LOCAL PUBLIC ADDRESS SPEAKER VOLUME CONTROL	48" A.F.F.	ONE GANG	REFER TO NOTE C
NONE		PUBLIC ADDRESS MASTER STATION CONSOLE IMS = INDICATES PA/INTERCOM MASTER STATION CONSOLE LOCATION. VOICE CONNECTOR IN DESIGNATED WORK AREA OUTLET CABLED TO PA/INTERCOM SYSTEM IN HEAD END ROOM.	18" A.F.F.	ONE GANG	REFER TO NOTE C

CLOCK SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	FACEPLATE	NOTES
24 VAC		LOW VOLTAGE WIRED CLOCK, SURFACE WALL MOUNTED X = DIAMETER (TYPICAL 12.5" OR 16" AS NOTED ON DRAWINGS)	N/A	96" A.F.F.	REFER TO NOTE E

LOCAL INSTRUCTIONAL AUDIOVISUAL SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	FACEPLATE	NOTES
120 VAC QUAD		VPH – HIGH VIDEO PRESENTATION OUTLET FOR INTERACTIVE VIDEO PROJECTORS: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER. ONE (1) RJ-45, CAT. 6A, 8-POSITION CONNECTOR WITH CAT. 6A CABLE HOME RUN TO ASSOCIATED VPL OUTLET. ONE (1) HDMI CONNECTOR WITH ACTIVE HDMI HIGH PERFORMANCE CABLE TO ASSOCIATED HDMI CONNECTOR IN ASSOCIATED VPL OUTLET. A CIRCULAT OPENING FOR A SPEAKER AUDIO CABLE PASS-THRU.	REFER TO ARCH. DETAILS AND DRAWING DETAIL 2		REFER TO NOTES A, F
120 VAC DUPLEX		VPL – LOW VIDEO PRESENTATION OUTLET FOR INTERACTIVE VIDEO PROJECTORS: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS WITH CAT. 6A CABLE HOME RUN TO ASSOCIATED VPH OUTLET. ONE (1) HDMI CONNECTOR WITH ACTIVE HDMI HIGH PERFORMANCE HDMI CABLE TO ASSOCIATED HDMI CONNECTOR IN ASSOCIATED VPL OUTLET. A CIRCULAT OPENING FOR A SPEAKER AUDIO CABLE PASS-THRU.	18" A.F.F.		REFER TO NOTE A
120 VAC QUAD		INTERACTIVE VIDEO PROJECTOR AND 88.75x52.75" WHITEBOARD: INTERACTIVE PROJECTOR AND WHITEBOARD WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	ABOVE WHITEBOARDS REFER TO DETAIL 1	N/A	REFER TO NOTES A, F
120 VAC DUPLEX		EMPTY BACK BOX WITH CONDUIT STUBBED ABOVE CEILING: BACK BOX FOR WIRING FOR ACTIVE AUDIO WALL SPEAKER FOR INTERACTIVE PROJECTOR. ACTIVE SPEAKER AND AUDIO WIRING WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	ABOVE WHITEBOARDS REFER TO DETAIL 4		REFER TO NOTE C
NONE		EMPTY BACK BOX WITH CONDUIT STUBBED ABOVE CEILING: BACK BOX FOR WIRING FOR PASSIVE AUDIO WALL SPEAKER FOR INTERACTIVE PROJECTOR. PASSIVE SPEAKER AND AUDIO WIRING WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	ABOVE WHITEBOARDS REFER TO DETAIL 4		REFER TO NOTE C
120 VAC QUAD		INTERACTIVE FLAT PANEL DISPLAY: XX=DIAGONAL SIZE AS NOTED INTERACTIVE FLAT PANEL DISPLAYS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	REFER TO DETAIL 2	N/A	REFER TO NOTES A, H

SCOPE OF WORK NOTES

REFER TO ELECTRICAL SITE PLANS AND ELECTRICAL DETAILS.

- ALL FIBER CABLING SHALL BE PROVIDED BY THE COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR. ALL FIBER CABLING SHALL BE DM4.
- ALL NEMA ENCLOSURES/BOXES, CONDUITS AND PATHWAYS FOR FIBER CABLE AND 120VAC WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- 120 VOLTAGE ELECTRICAL SERVICE AND GFI RECEPTACLE IN EACH NEMA ENCLOSURE SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ALL CCTV VIDEO SURVEILLANCE EQUIPMENT INCLUDING IP CAMERAS, REQUIRED MOUNTS AND ACCESSORIES, FIBER TO UTP MEDIA CONVERTERS, AND LOW VOLTAGE TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
- CCTV CAMERAS INSTALLED ON LIGHT POLES SHALL BE INSTALLED AT APPROXIMATELY 15' A.F.G.
- LOW VOLTAGE CABLING FOR FIBER TO UTP MEDIA CONVERTER, AND 12-24 VDC TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
- FLEXIBLE WEATHERPROOF CONDUITS BETWEEN NEMA BOX AND CAMERA SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
- CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING INSTALLATION. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR INSTALLATION OF ALL EQUIPMENT AND LOW VOLTAGE CABLING PRIOR TO ALL WORK.
- INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. SECURITY CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITEWORK AND WORK OF ALL OTHER TRADES.
- ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE SECURITY CONTRACTOR TO THE OWNER'S REPRESENTATIVE AND RECORDED ON RECORD DRAWINGS.
- INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL, STATE AND LOCAL AGENCIES.
- INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL PROVIDE FIBER, ALPHONE STATION, CARD READER, AND SDS SENSOR AT GATES. SECURITY DEVICES SHALL INTERFACE TO THE SCHOOL SECURITY SYSTEMS.

ADD ALTERNATES NOTES

REFER TO DIVISION 0 AND 1 SPECIFICATIONS FOR ADDITIONAL DETAIL ON ADD ALTERNATES.

- ALL TELECOM WORK ASSOCIATED WITH THE LOCKER BUILDING.
- ALL TELECOM WORK ASSOCIATED WITH THE CONCESSIONS BUILDING.

SITE LIGHT POLES NOTE

SITE LIGHTING POLES ON THIS PLAN ARE REPRESENTED BY VARIOUS SYMBOLS. REFER TO SITE LIGHTING FIXTURE SCHEDULE FOR FIXTURE IDS.

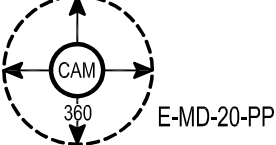
CCTV CAMERA SYMBOLS

PROVIDE CAMERAS AND ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES

E-85PP

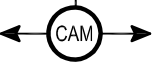
H264 HD BULLET CAMERA MOUNTED ON LIGHT POLES, TYPICAL

- E = EXTERIOR, ALL WEATHER
- B = BULLET (BOX) CAMERA WITH IR
- S = RESOLUTION 5.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT



H264 HD DOME CAMERA WITH FOUR LENS MOUNTED ON LIGHT POLE, TYPICAL

- E = EXTERIOR, ALL WEATHER
- MD = 4X4 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
- 20 = RESOLUTION (4) 5.0, 20.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT
- SV = SURFACE MOUNT



H264 HD DOME CAMERA WITH THREE LENS MOUNTED ON LIGHT POLE, TYPICAL

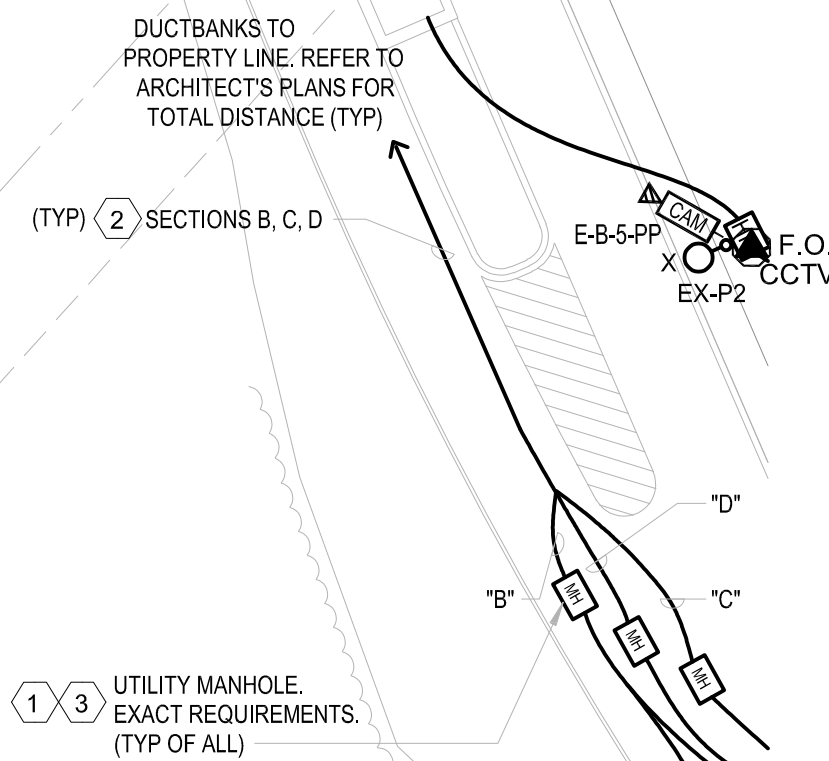
- E = EXTERIOR, ALL WEATHER
- MD = 3X3 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
- 15 = RESOLUTION (3) 5.0, 15.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT
- SV = SURFACE MOUNT

FIBER SYMBOLS

SYMBOL DESCRIPTION

CCTV

F.O. -CCTV CAMERA- 2-STRAND DM4 FIBER CABLE



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KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

TECHNOLOGY
AND SECURITY
SITE PLAN 1

Scale: 1" = 30'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023

T0-0-1

1 TECHNOLOGY & SECURITY SITE 1
T0-0-1 1" = 30'-0"

SCOPE OF WORK NOTES

REFER TO ELECTRICAL SITE PLANS AND DETAILS.

1. ALL FIBER CABLING SHALL BE PROVIDED BY THE COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR. ALL FIBER CABLING SHALL BE DM4.
2. ALL NEMA ENCLOSURES/BOXES, CONDUITS AND PATHWAYS FOR FIBER CABLE AND 120VAC WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. 120 VOLTAGE ELECTRICAL SERVICE AND GFI RECEPTACLE IN EACH NEMA ENCLOSURE SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
4. ALL CCTV VIDEO SURVEILLANCE EQUIPMENT INCLUDING IP CAMERAS, REQUIRED MOUNTS AND ACCESSORIES, FIBER TO UTP MEDIA CONVERTERS, AND LOW VOLTAGE TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
5. CCTV CAMERAS INSTALLED ON LIGHT POLES SHALL BE INSTALLED AT APPROXIMATELY 15' A.F.G.
6. LOW VOLTAGE CABLING FOR FIBER TO UTP MEDIA CONVERTER, AND 12-24 VDC TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
8. FLEXIBLE WEATHERPROOF CONDUITS BETWEEN NEMA BOX AND CAMERA SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
9. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING INSTALLATION. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR INSTALLATION OF ALL EQUIPMENT AND LOW VOLTAGE CABLING PRIOR TO ALL WORK.
10. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. SECURITY CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITEWORK AND WORK OF ALL OTHER TRADES.
11. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE SECURITY CONTRACTOR TO THE OWNER'S REPRESENTATIVE AND RECORDED ON RECORD DRAWINGS.
12. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL, STATE AND LOCAL AGENCIES.
13. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL PROVIDE FIBER, ALPHONE STATION, CARD READER, AND SDS SENSOR AT GATES. SECURITY DEVICES SHALL INTERFACE TO THE SCHOOL SECURITY SYSTEMS.

ADD ALTERNATES NOTES

REFER TO DIVISION 0 AND 1 SPECIFICATIONS FOR ADDITIONAL DETAIL ON ADD ALTERNATES.

1. ALL TELECOM WORK ASSOCIATED WITH THE LOCKER BUILDING.
2. ALL TELECOM WORK ASSOCIATED WITH THE CONCESSIONS BUILDING.

SITE LIGHT POLES NOTE

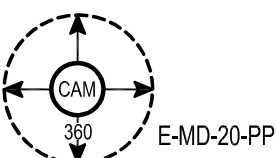
SITE LIGHTING POLES ON THIS PLAN ARE REPRESENTED BY VARIOUS SYMBOLS. REFER TO SITE LIGHTING FIXTURE SCHEDULE FOR FIXTURE IDS.

CCTV CAMERA SYMBOLS

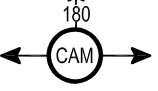
PROVIDE CAMERAS AND ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES

DM4 E-B-S-PP

H264 HD BULLET CAMERA MOUNTED ON LIGHT POLES, TYPICAL
-E = EXTERIOR, ALL WEATHER
-B = BULLET (BOX) CAMERA WITH IR
-S = RESOLUTION 5.0 MEGAPIXEL
-PP = PENDANT POLE MOUNT



H264 HD DOME CAMERA WITH FOUR LENS MOUNTED ON LIGHT POLE, TYPICAL
-E = EXTERIOR, ALL WEATHER
-M = 4X4 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
-20 = RESOLUTION (4) 5.0, 20.0 MEGAPIXEL
-PP = PENDANT POLE MOUNT
-SV = SURFACE MOUNT



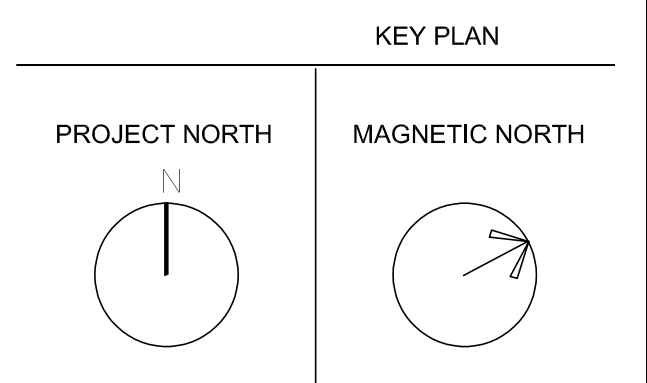
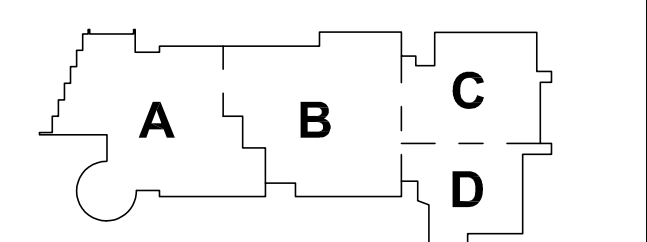
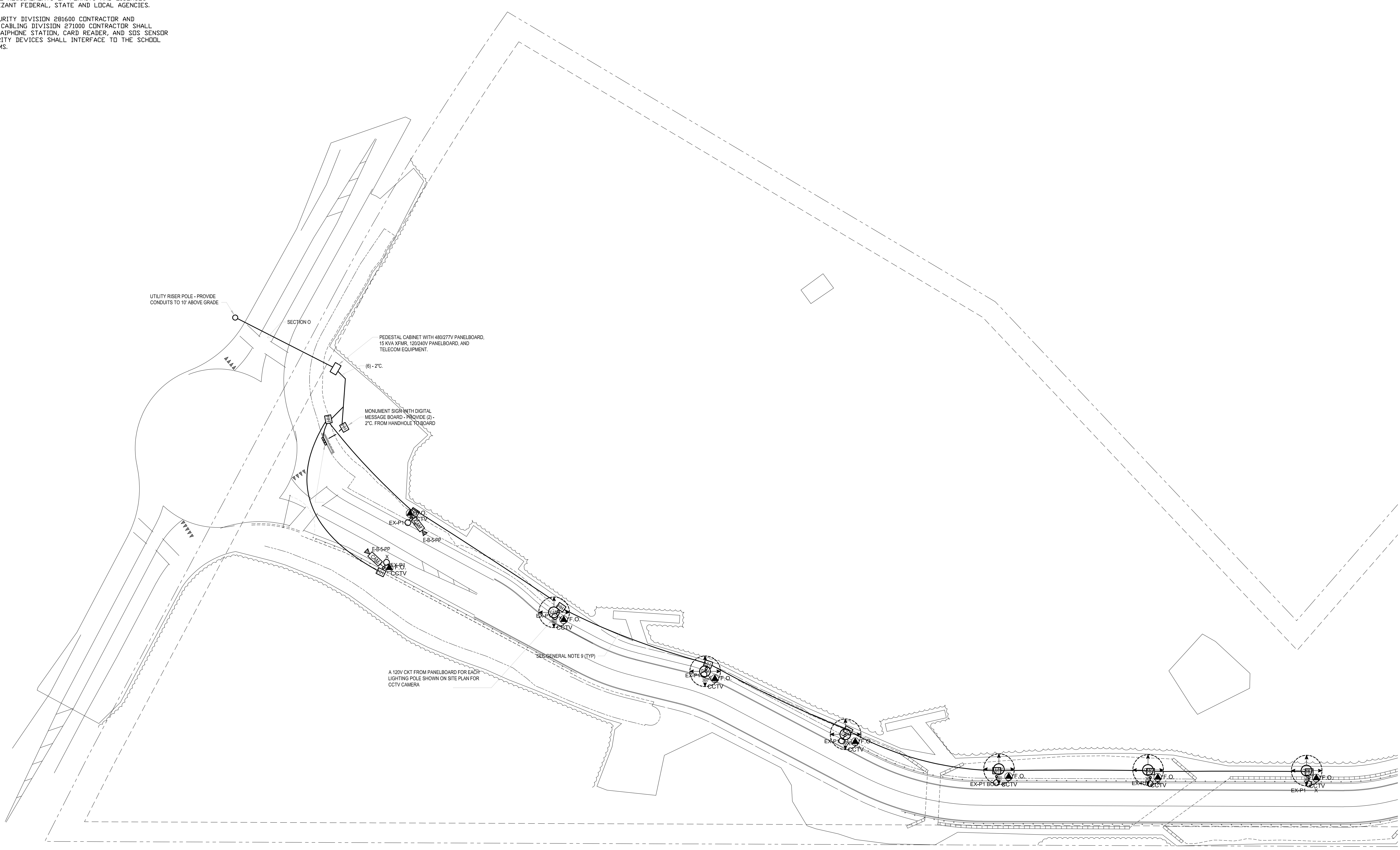
H264 HD DOME CAMERA WITH THREE LENS MOUNTED ON LIGHT POLE, TYPICAL
-E = EXTERIOR, ALL WEATHER
-M = 3X3 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
-15 = RESOLUTION (3) 5.0, 15.0 MEGAPIXEL
-PP = PENDANT POLE MOUNT
-SV = SURFACE MOUNT

FIBER SYMBOLS

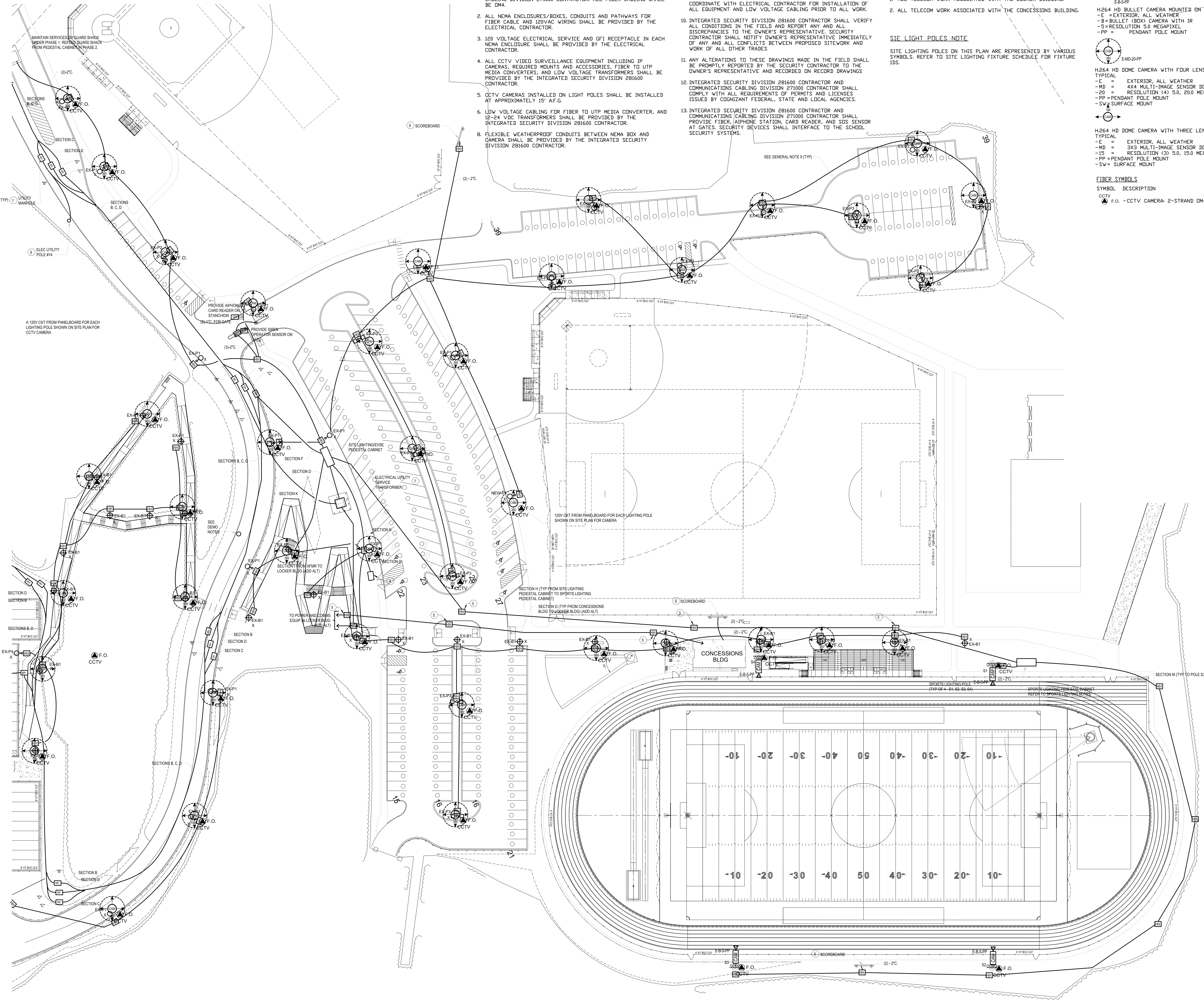
SYMBOL DESCRIPTION

CCTV

F.O. - CCTV CAMERA- 2-STRAND DM4 FIBER CABLE



**TECHNOLOGY
AND SECURITY
SITE PLAN 2**



1 TECHNOLOGY & SECURITY SITE PLAN 3
T0-03 1" = 30'-0"

SCOPE OF WORK NOTES

REFER TO ELECTRICAL SITE PLANS AND DETAILS.

1. ALL FIBER CABLE SHALL BE PROVIDED BY THE COMMUNICATIONS CABLE DIVISION 271000 CONTRACTOR. ALL FIBER CABLE SHALL BE DM4.
2. ALL NEMA ENCLOSURES/BOXES, CONDUITS AND PATHWAYS FOR FIBER CABLE AND 120VAC WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. 120 VOLTAGE ELECTRICAL SERVICE AND GFI RECEPTACLE IN EACH NEMA ENCLOSURE SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
4. ALL CCTV VIDEO SURVEILLANCE EQUIPMENT INCLUDING IP CAMERAS, REQUIRED MOUNTS AND ACCESSORIES, FIBER TO UTP MEDIA CONVERTERS, AND LOW VOLTAGE TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
5. CCTV CAMERAS INSTALLED ON LIGHT POLES SHALL BE INSTALLED AT APPROXIMATELY 15' A.F.G.
6. LOW VOLTAGE CABLE FOR FIBER TO UTP MEDIA CONVERTER, AND 12-24 VDC TRANSFORMERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.
8. FLEXIBLE WEATHERPROOF CONDUITS BETWEEN NEMA BOX AND CAMERA SHALL BE PROVIDED BY THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.

9. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING INSTALLATION. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLE DIVISION 271000 CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR INSTALLATION OF ALL EQUIPMENT AND LOW VOLTAGE CABLE PRIOR TO ALL WORK.
10. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. SECURITY CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITEWORK AND WORK OF ALL OTHER TRADES.
11. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE SECURITY CONTRACTOR TO THE OWNER'S REPRESENTATIVE AND RECORDED ON RECORD DRAWINGS.
12. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLE DIVISION 271000 CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COORDINATE FEDERAL, STATE AND LOCAL AGENCIES.
13. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS CABLE DIVISION 271000 CONTRACTOR SHALL PROVIDE FIBER, ALPHONE STATION, CARD READER, AND SDS SENSOR AT GATES. SECURITY DEVICES SHALL INTERFACE TO THE SCHOOL SECURITY SYSTEMS.

ADD ALTERNATES NOTES

REFER TO DIVISION 0 AND 1 SPECIFICATIONS FOR ADDITIONAL DETAIL ON ADD ALTERNATES.

1. ALL TELECOM WORK ASSOCIATED WITH THE LOCKER BUILDING.
2. ALL TELECOM WORK ASSOCIATED WITH THE CONCESSIONS BUILDING.

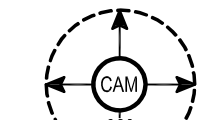
SITE LIGHT POLES NOTE

SITE LIGHTING POLES ON THIS PLAN ARE REPRESENTED BY VARIOUS SYMBOLS. REFER TO SITE LIGHTING FIXTURE SCHEDULE FOR FIXTURE IDS.

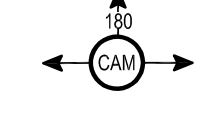
CCTV CAMERA SYMBOLS

PROVIDE CAMERAS AND ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES

- E-B-S-PP H.264 HD BULLET CAMERA MOUNTED ON LIGHT POLES, TYPICAL
- E = EXTERIOR, ALL WEATHER
- B = BULLET 360° CAMERA WITH IR
- 5 = RESOLUTION 5.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT



- E-MD-20-PP H.264 HD DOME CAMERA WITH FOUR LENS MOUNTED ON LIGHT POLE, TYPICAL
- E = EXTERIOR, ALL WEATHER
- MD = 4X4 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
- 20 = RESOLUTION (4) 5.0, 20.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT
- SW = SURFACE MOUNT



- E-MD-3-PP H.264 HD DOME CAMERA WITH THREE LENS MOUNTED ON LIGHT POLE, TYPICAL
- E = EXTERIOR, ALL WEATHER
- MD = 3X3 MULTI-IMAGE SENSOR DOME CAMERA WITH IR
- 15 = RESOLUTION (3) 5.0, 15.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT
- SW = SURFACE MOUNT

FIBER SYMBOLS

- | SYMBOL | DESCRIPTION |
|--------|---|
| CCTV | |
| F.O. | - CCTV CAMERA; 2-STRAND DM4 FIBER CABLE |



Drummeys Rosane Anderson, Inc.
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260 Charles Street
Studio 300
Waltham, MA 02453
Planning | Architecture | Interior Design
Tel: 817.966.1700
www.dra.com

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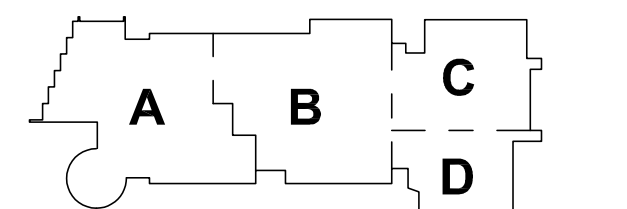
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SYSTEMS, SOFTWARE,
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KEY PLAN
PROJECT NORTH
MAGNETIC NORTH

TECHNOLOGY
AND SECURITY
SITE PLAN 3

Scale: 1" = 30'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023
T0-0-3

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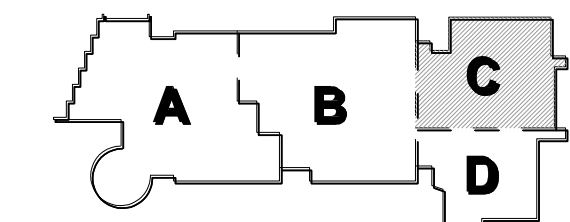
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Metropolitan
Regional
Vocational High School

Wakefield, MA 01880

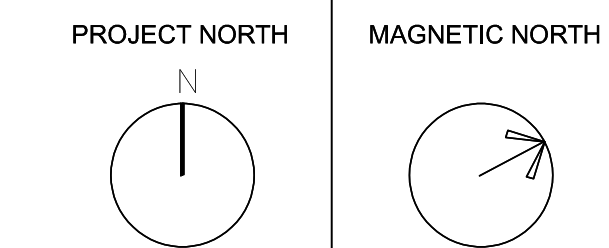


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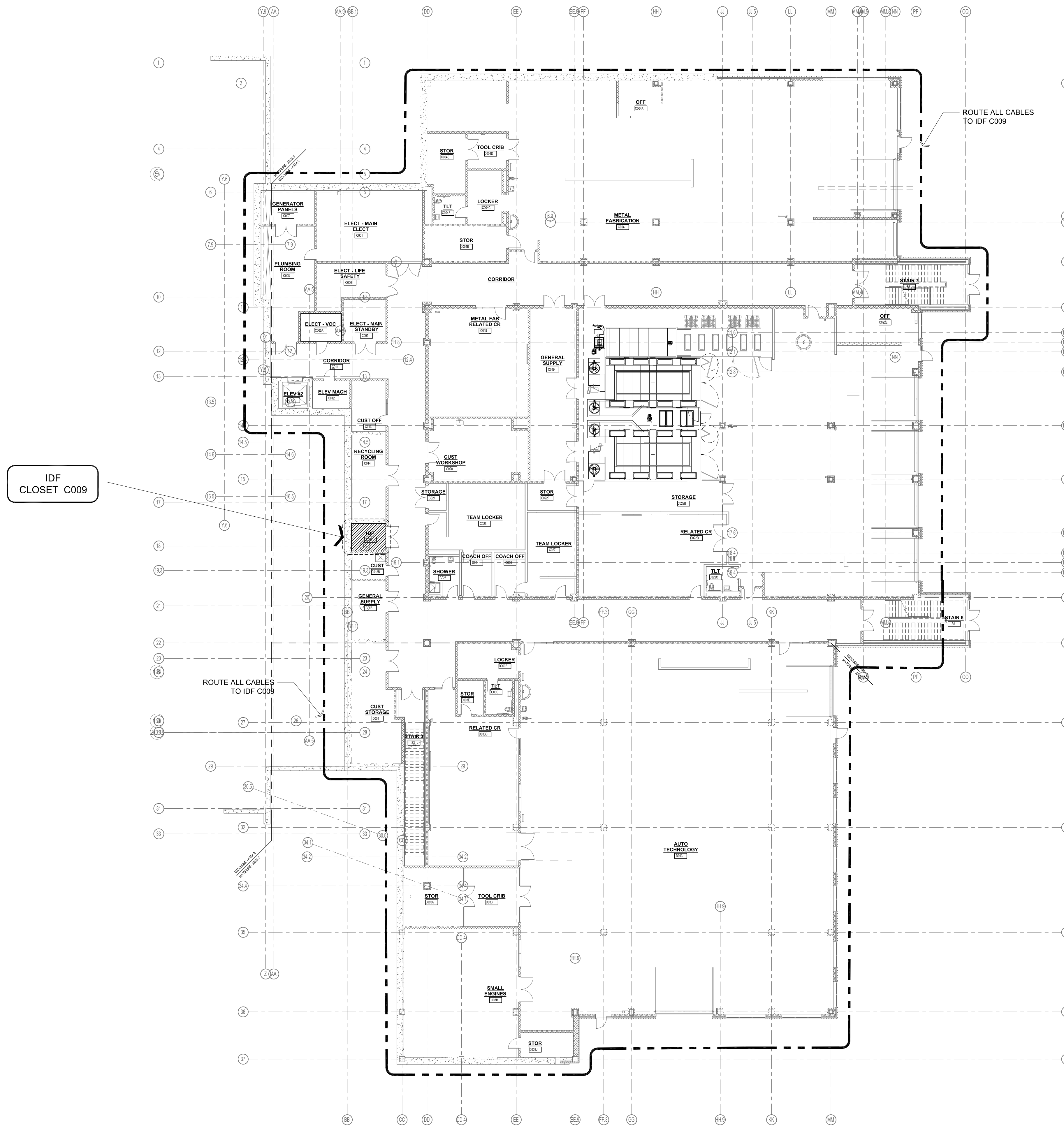
KEY PLAN



LOWER LEVEL
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023

T1-1-0



1 LOWER LEVEL - CBLE ROUTING
1/16" = 1'-0"

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260 Charles Street Studio 300 Waltham, MA 02453

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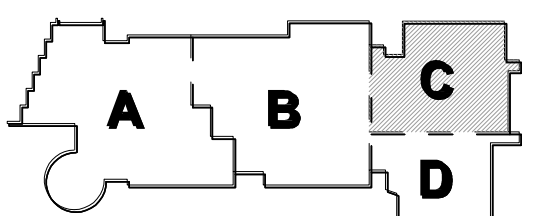
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Regional
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School**

Wakefield, MA 01880

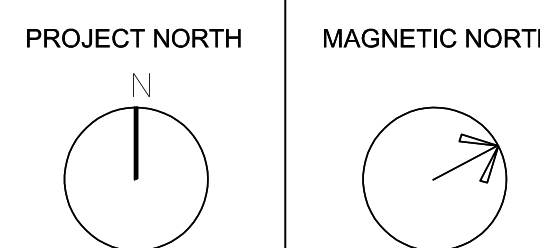


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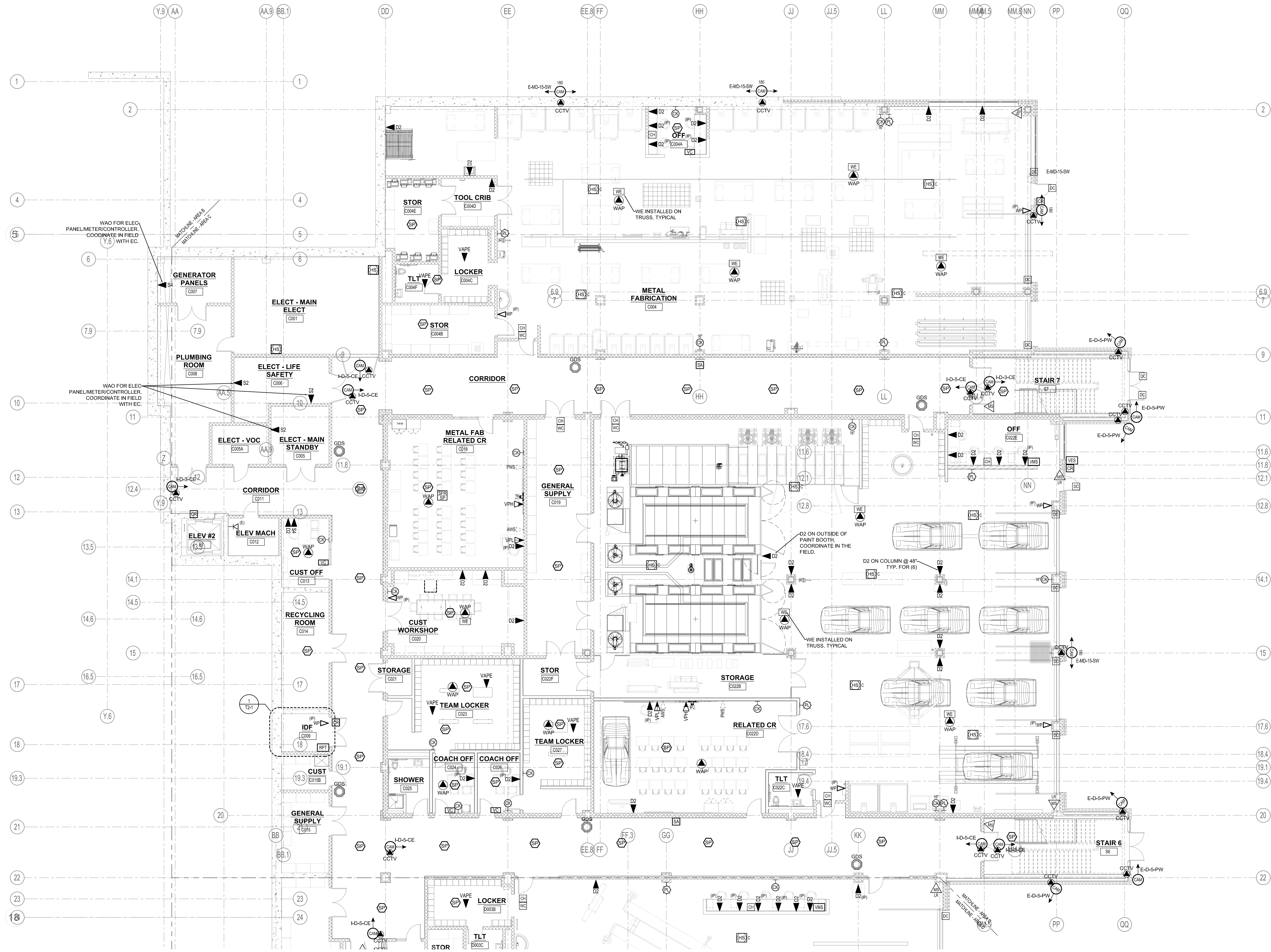
KEY PLAN



**LOWER LEVEL
TECHNOLOGY
AND SECURITY
PLAN - AREA C**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

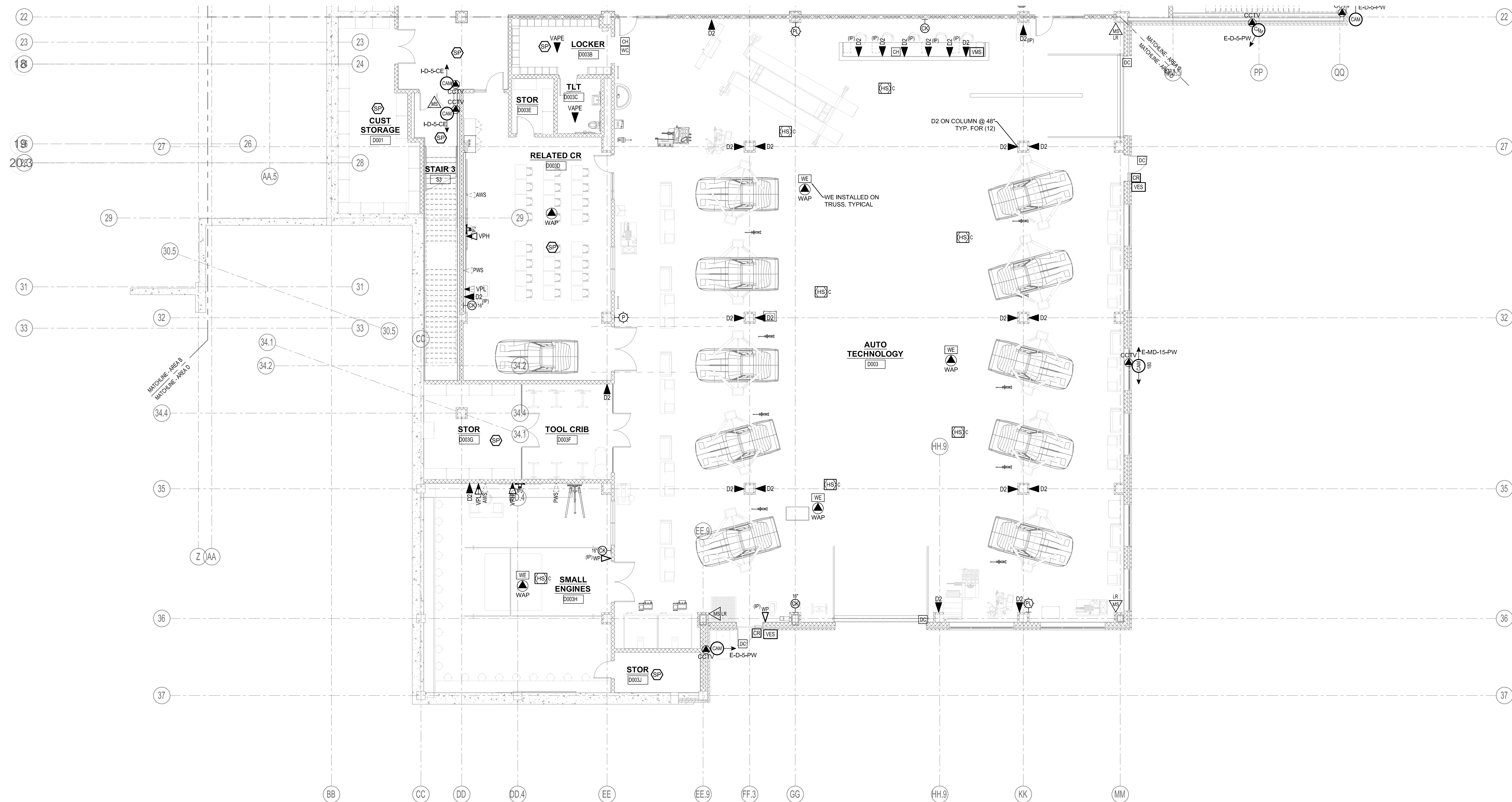
T1-1-0C



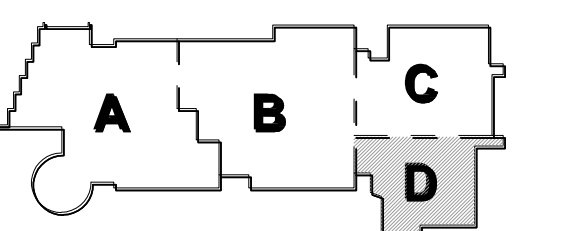
1 LOWER LEVEL - AREA C
1/8" = 1'-0"

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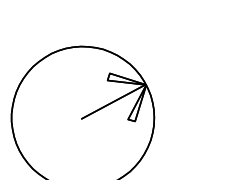
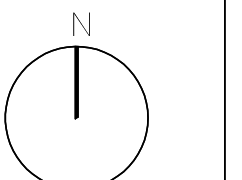
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DOCUMENT SUBMITTAL

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**LOWER LEVEL
TECHNOLOGY
AND SECURITY
PLAN - AREA D**

Scale: $1/8" = 1'-0"$

Job No.: 20202

Design: RCT, D/AMD

Drawn By: NED/AMD
Date: 05/10/2003

1-1-0D

DRA

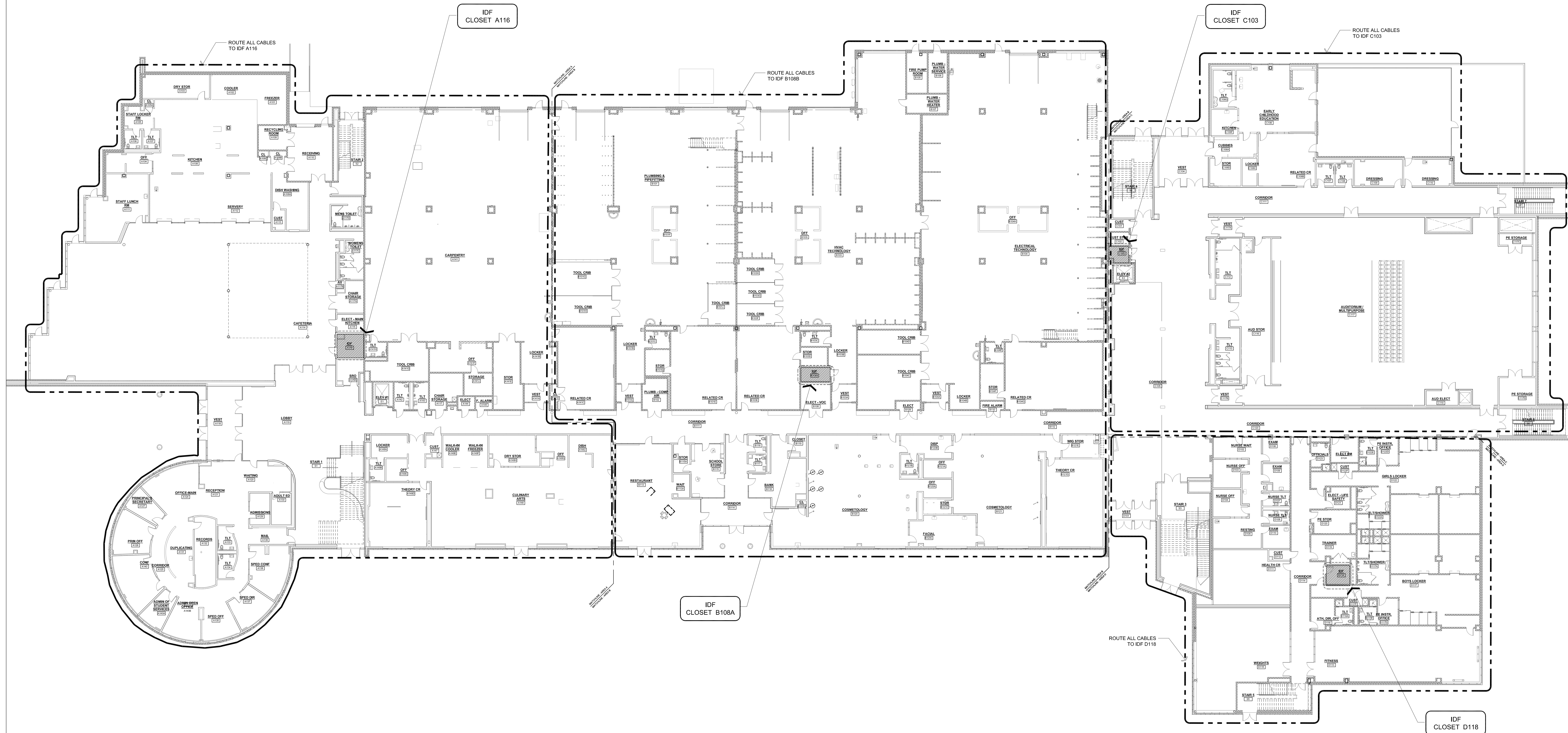
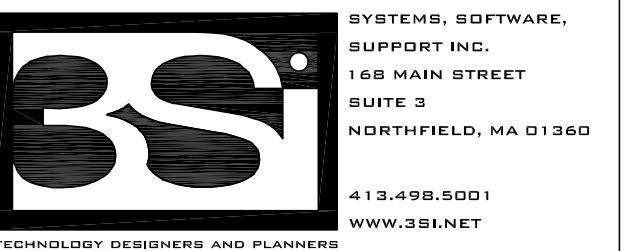
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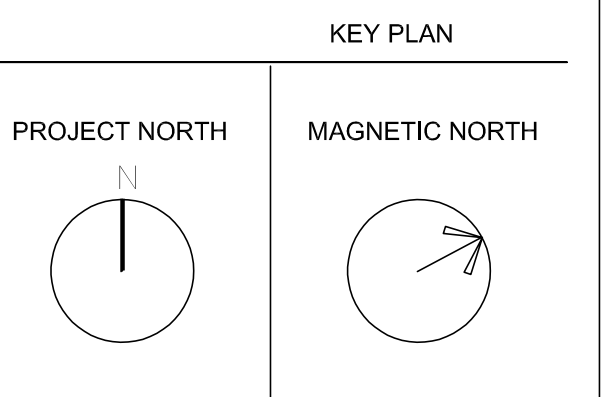
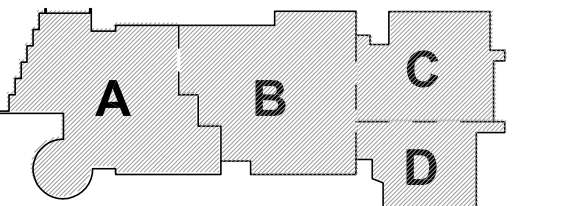
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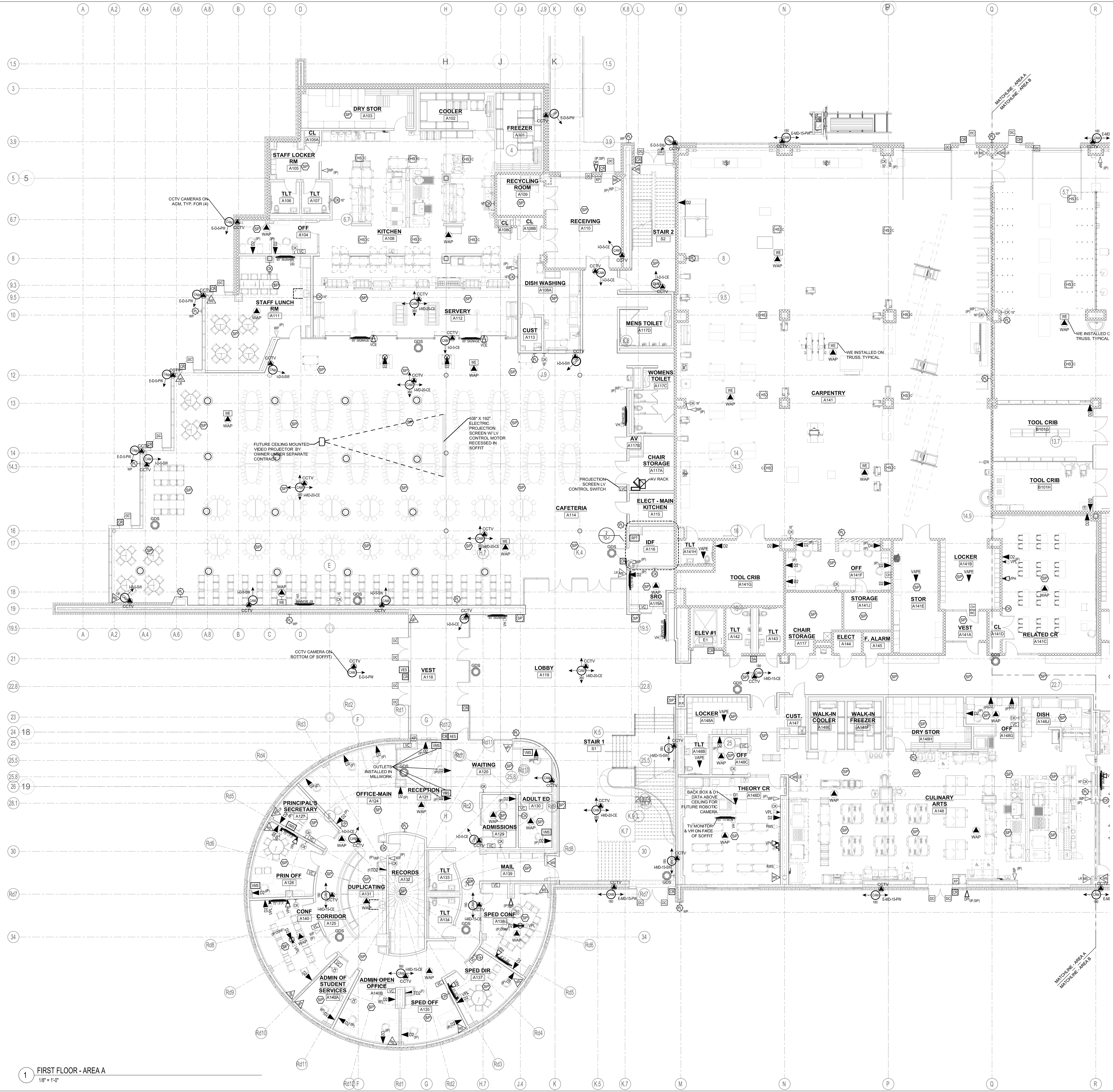
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FIRST FLOOR
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-1



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06074
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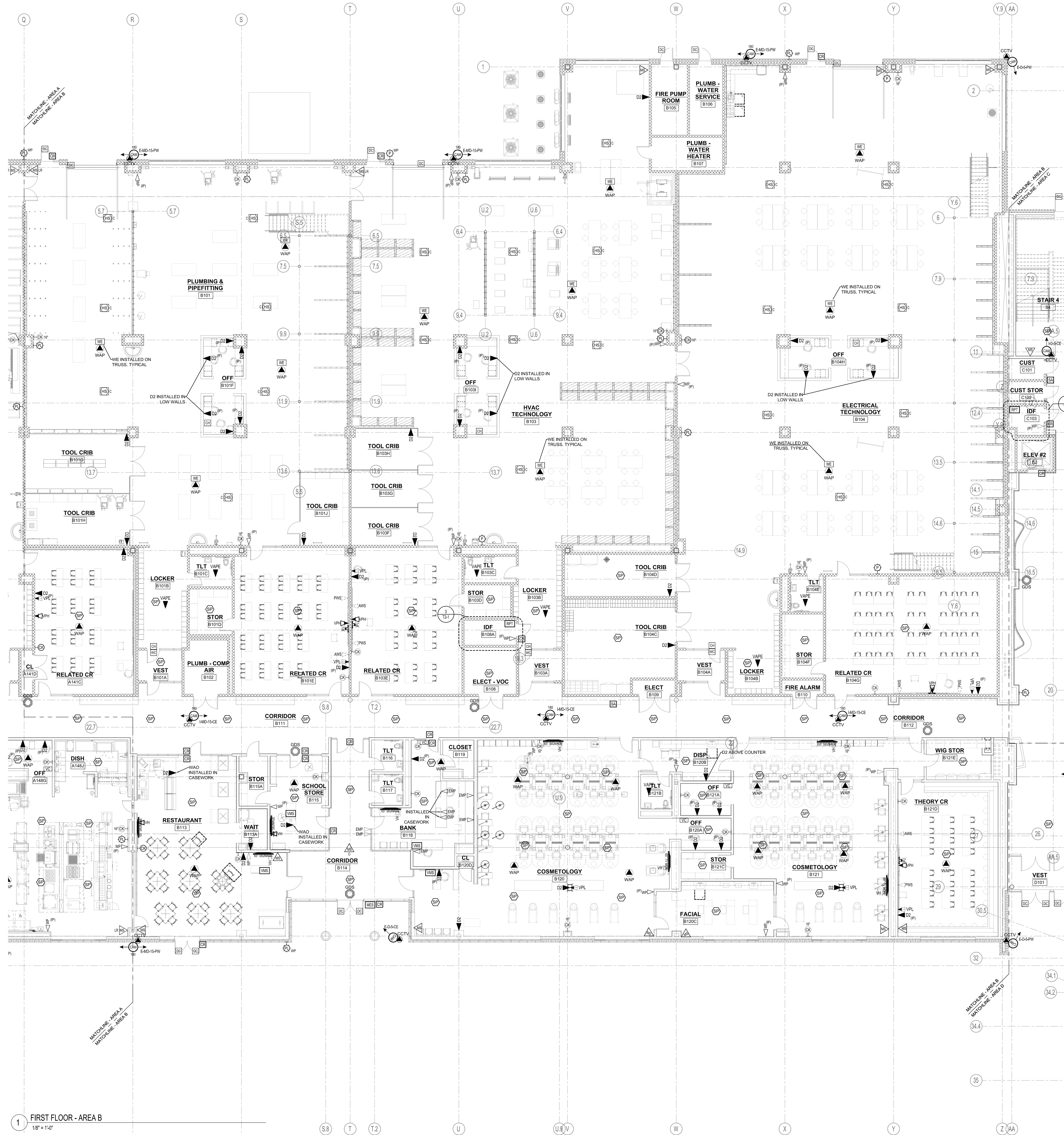
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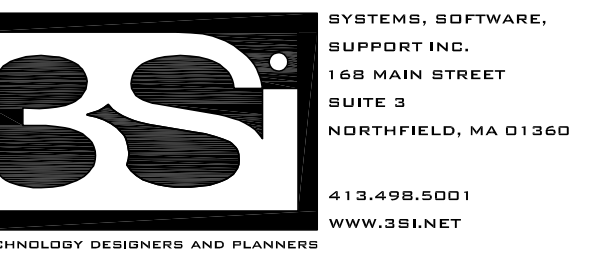
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1/8" = 1'-0"

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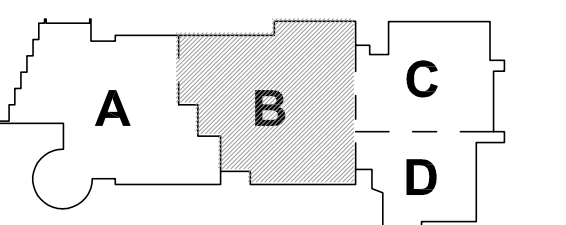
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KEY PLAN
PROJECT NORTH
MAGNETIC NORTH

FIRST FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023
T1-1-1B



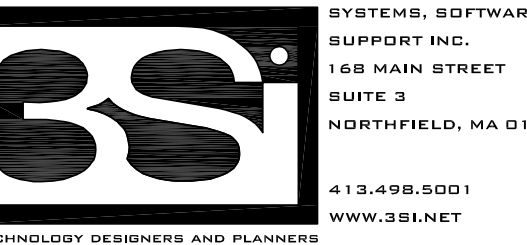
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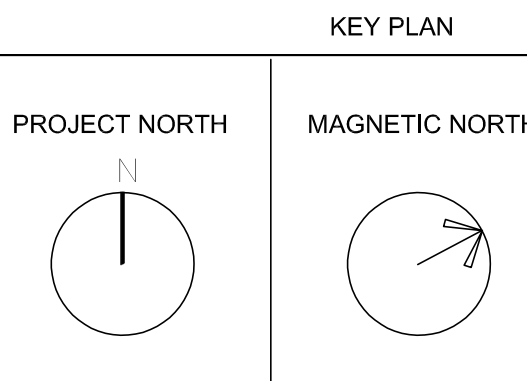
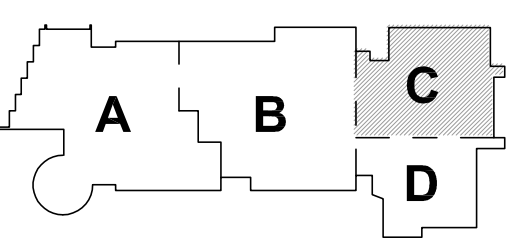
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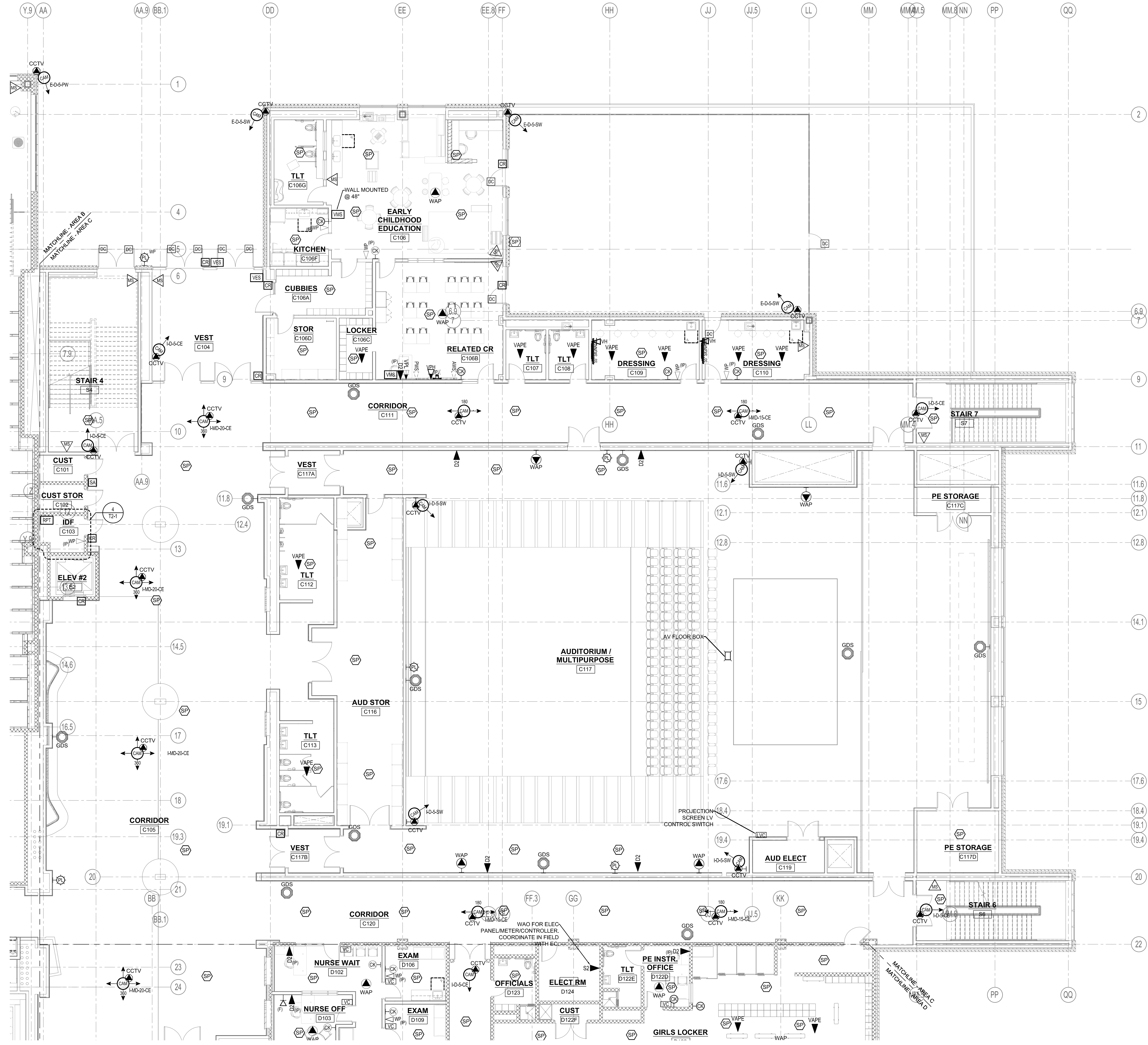
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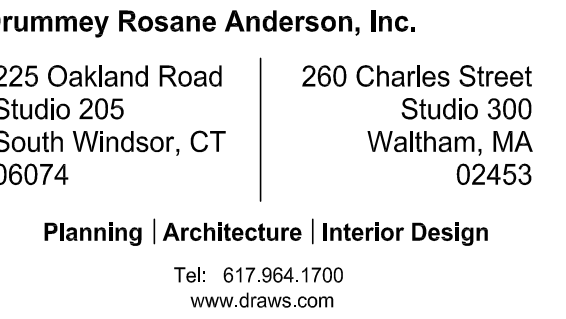
FIRST FLOOR TECHNOLOGY AND SECURITY PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-1C

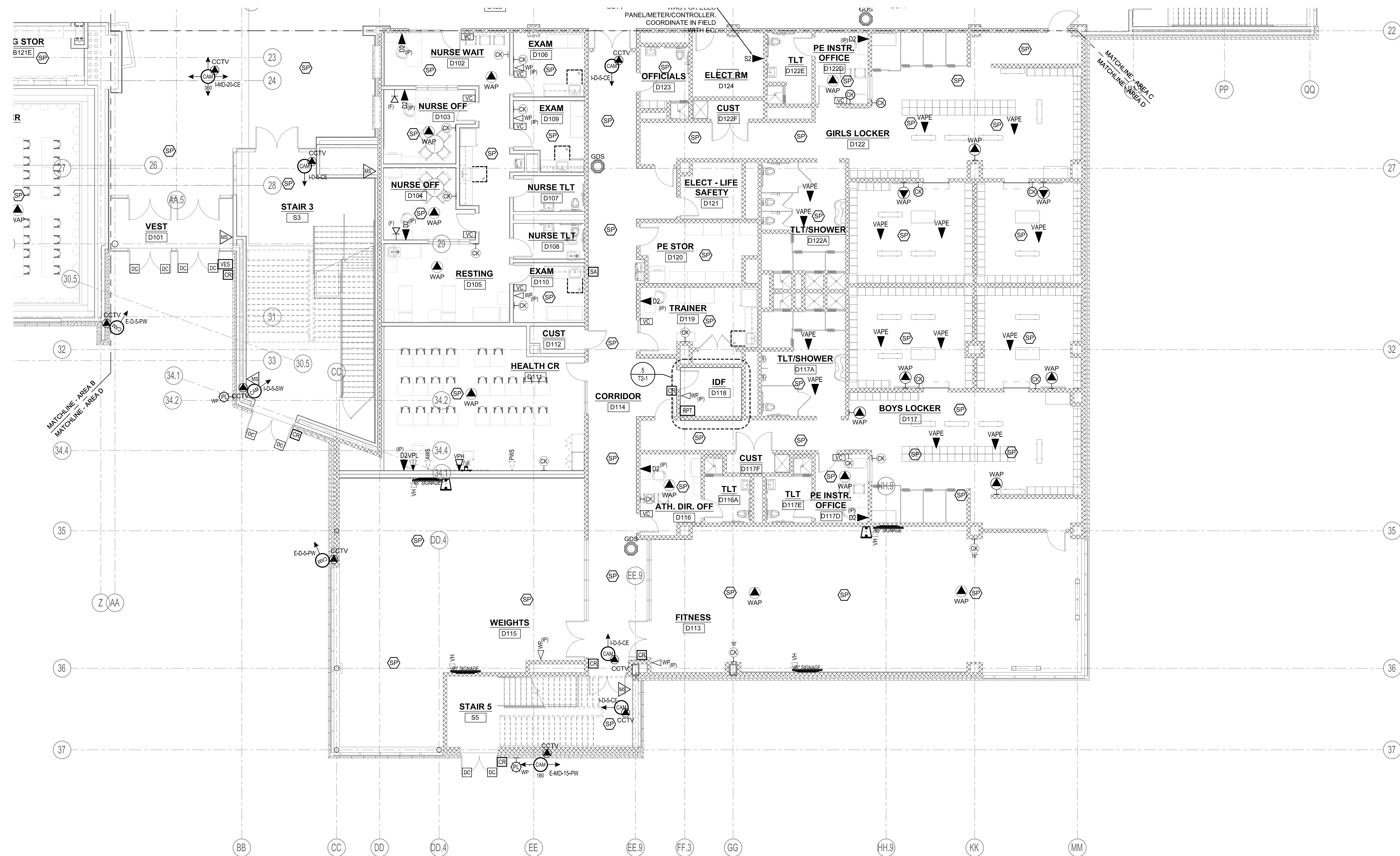


1 FIRST FLOOR - AREA C
1/8" = 1'-0"

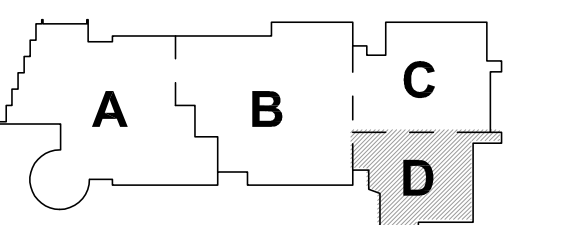


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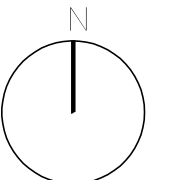


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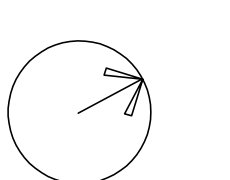
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KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



**FIRST FLOOR
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AND SECURITY
PLAN - AREA D**

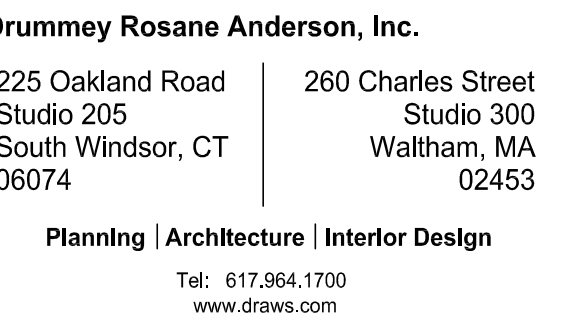
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Job No.: 20202

Drawn By: MLD/AMD

Date: 05/12/2023

T1-1-1D

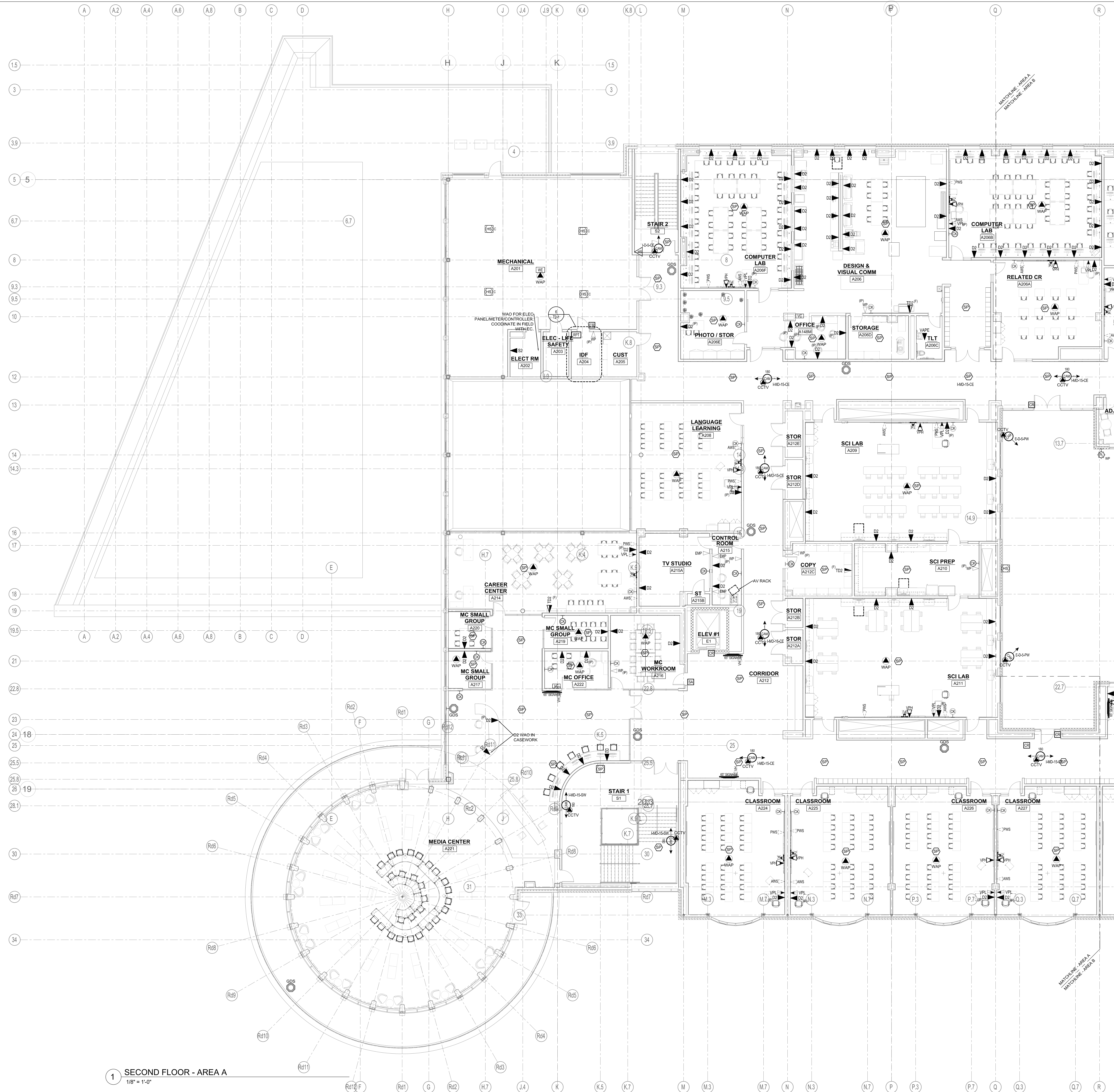


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Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
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T1-1-2



1 SECOND FLOOR - AREA A
1/8" = 1'-0"

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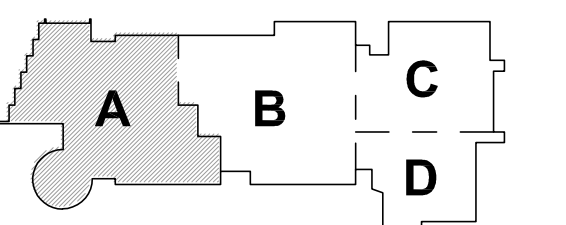
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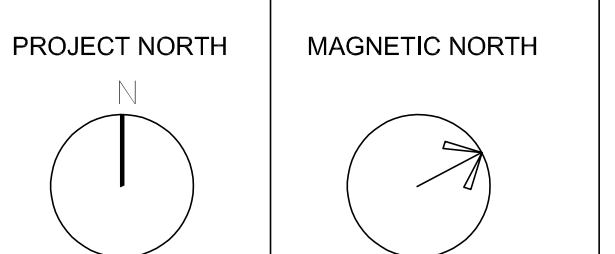


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KEY PLAN



SECOND FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA A

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-2A

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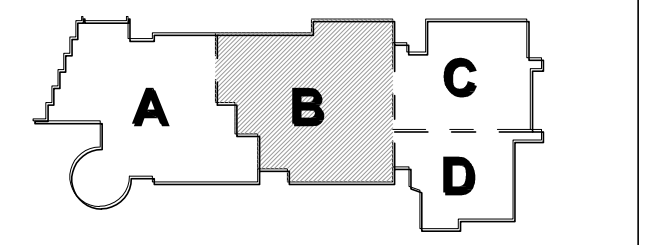
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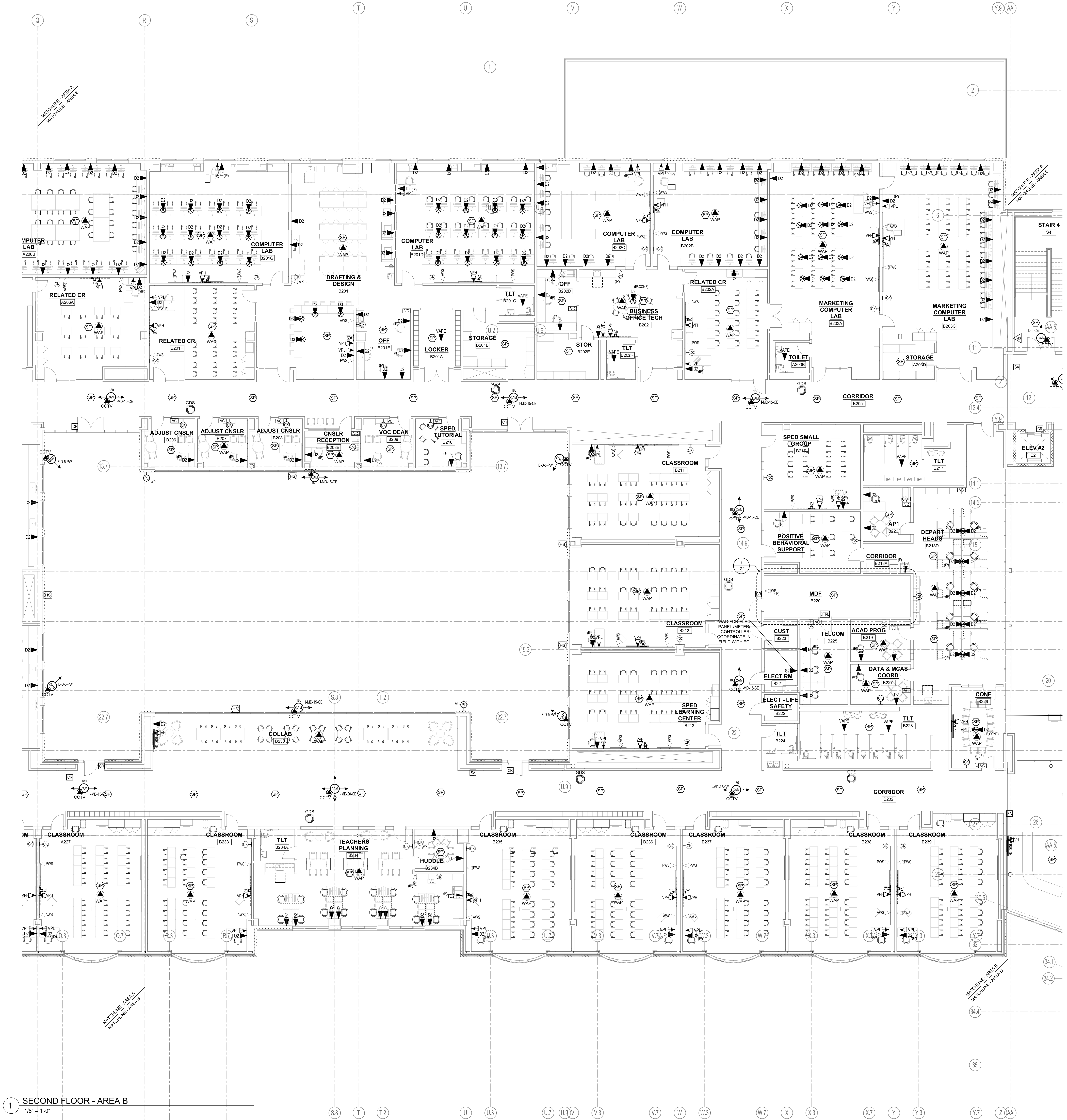
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PROJECT NORTH
MAGNETIC NORTH

SECOND FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023
T1-1-2B



1 SECOND FLOOR - AREA B
1/8" = 1'-0"



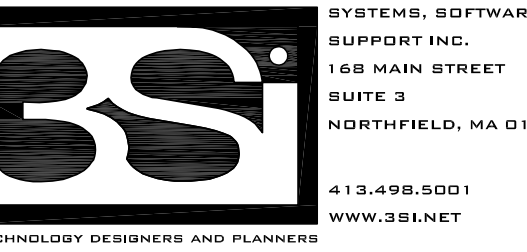
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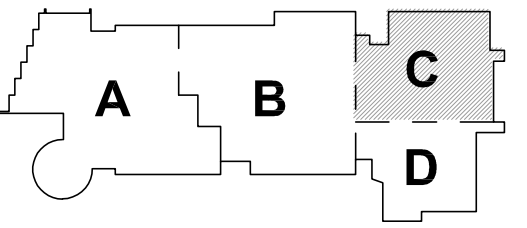
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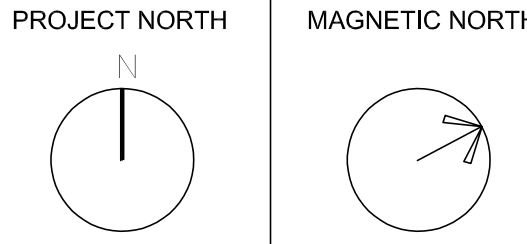


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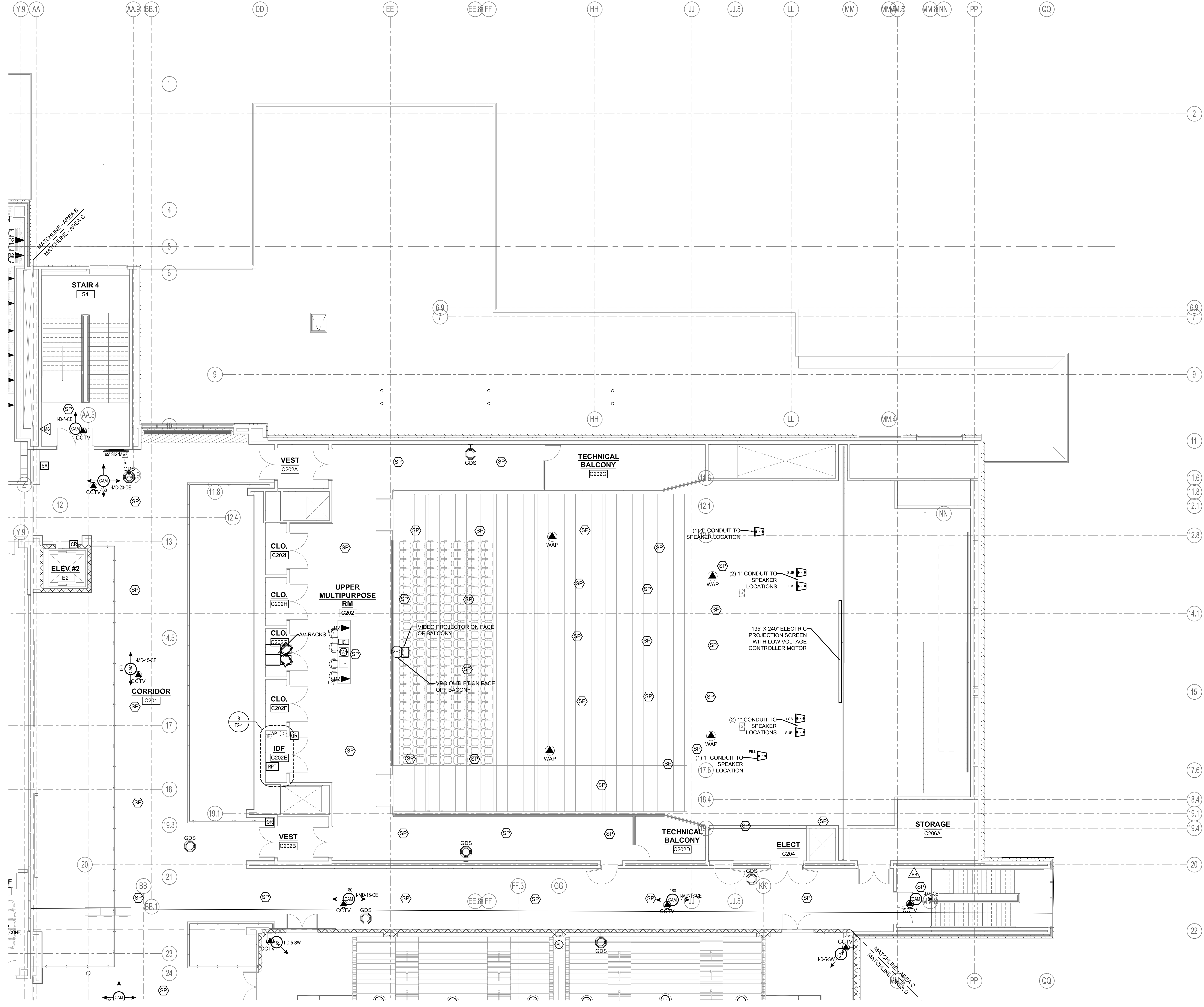
KEY PLAN



**SECOND FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA C**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-2C



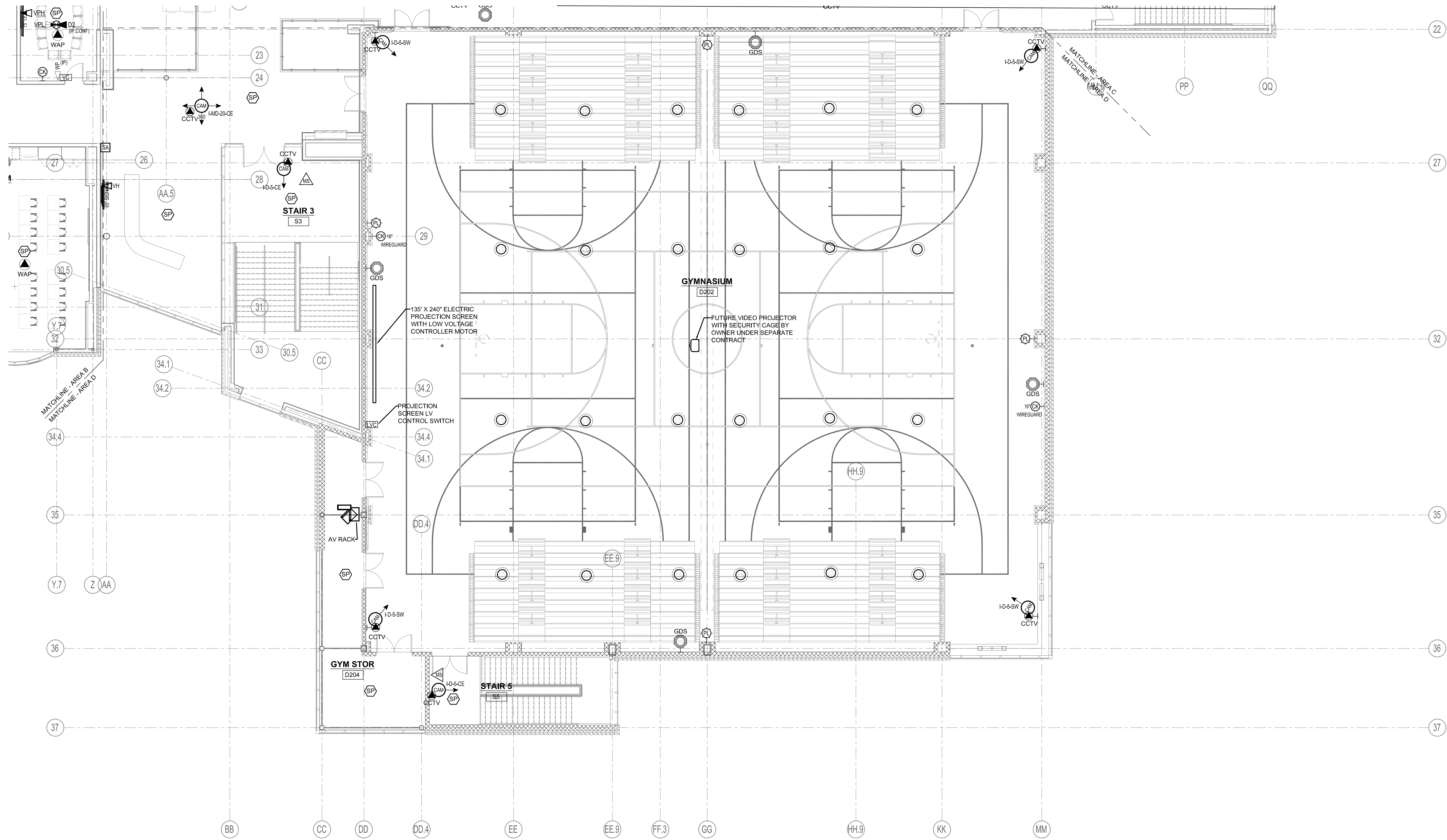
1 SECOND FLOOR - AREA C
1/8" = 1'-0"



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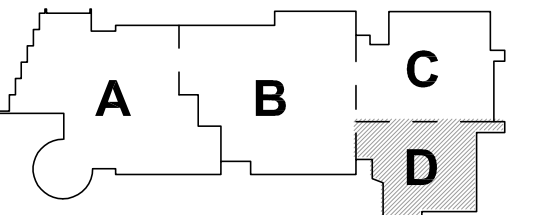
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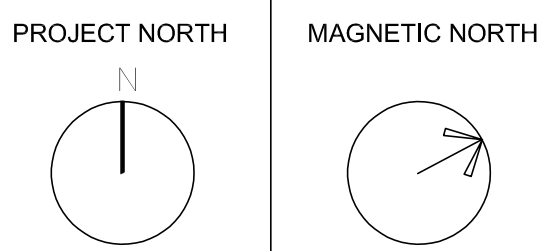
1 SECOND FLOOR - AREA D
1/8" = 1'-0"

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KEY PLAN



**SECOND FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA D**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023
T1-1-2D

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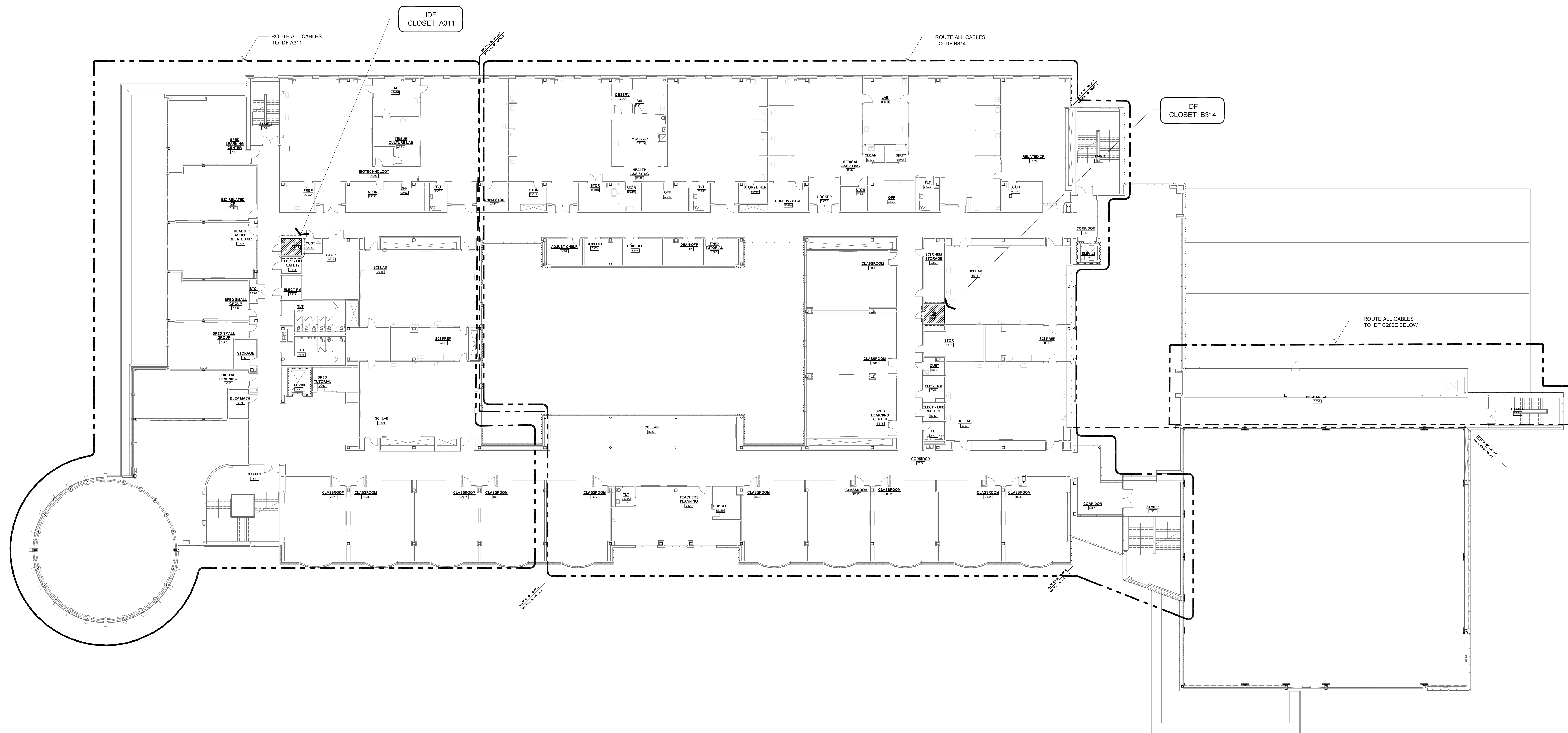
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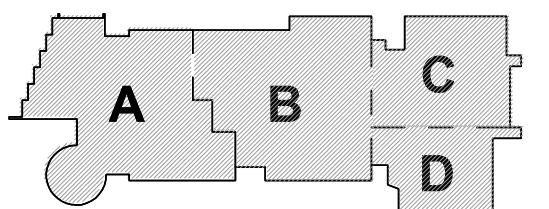
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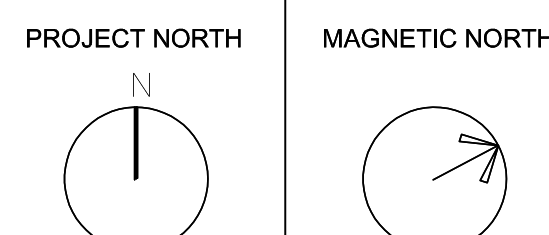


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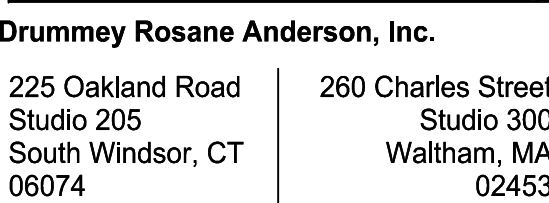
KEY PLAN



THIRD FLOOR
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T11-3



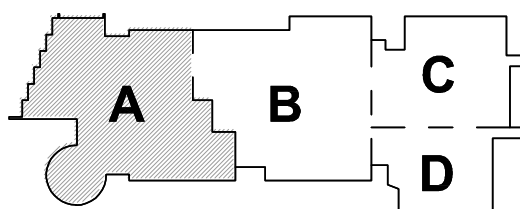
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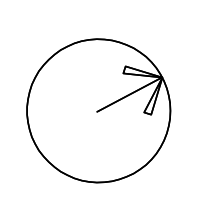
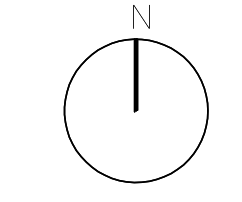
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



THIRD FLOOR TECHNOLOGY AND SECURITY PLAN - AREA A

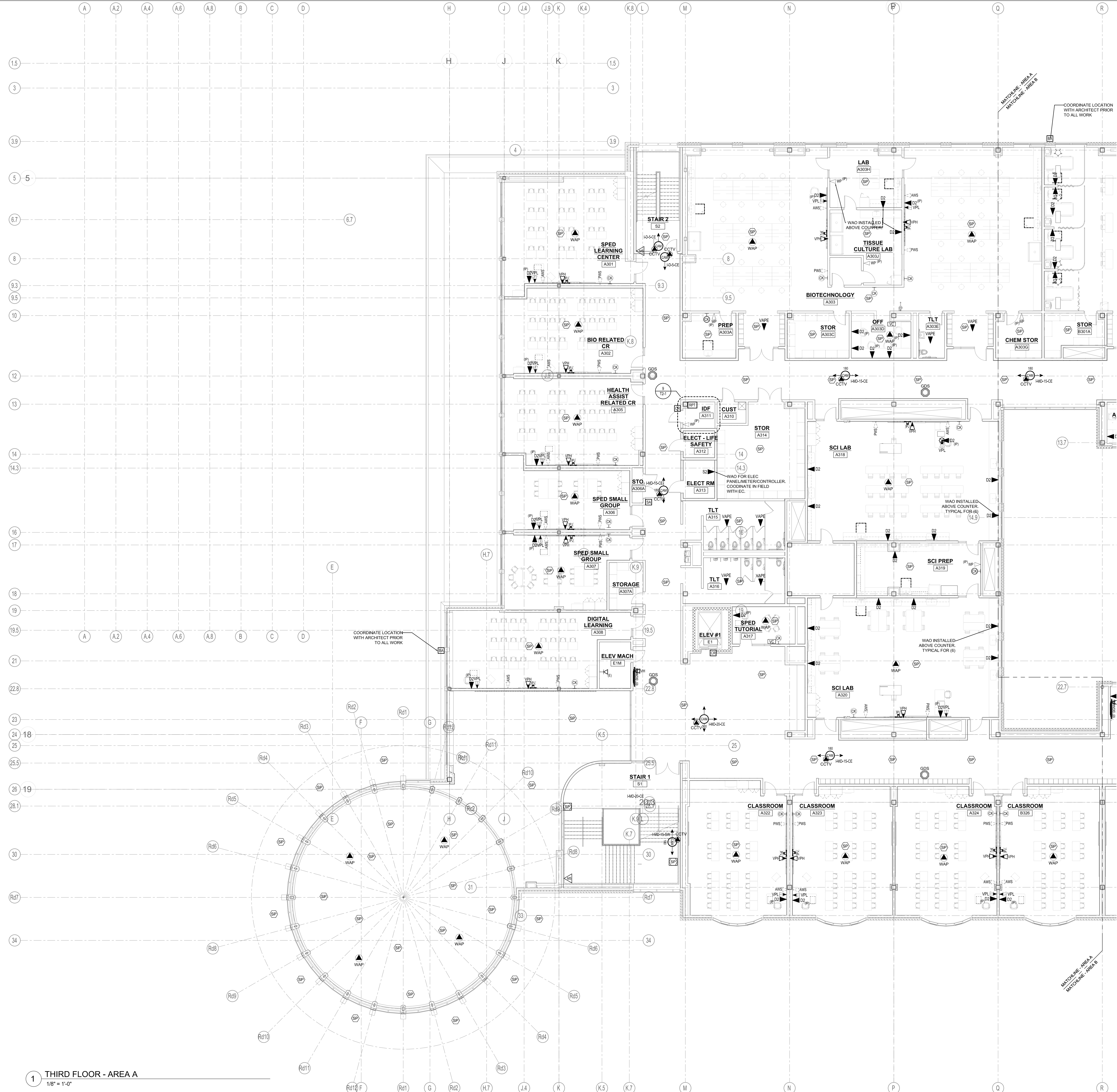
Scale: $1/8" = 1'-0"$

Job No.: 20202

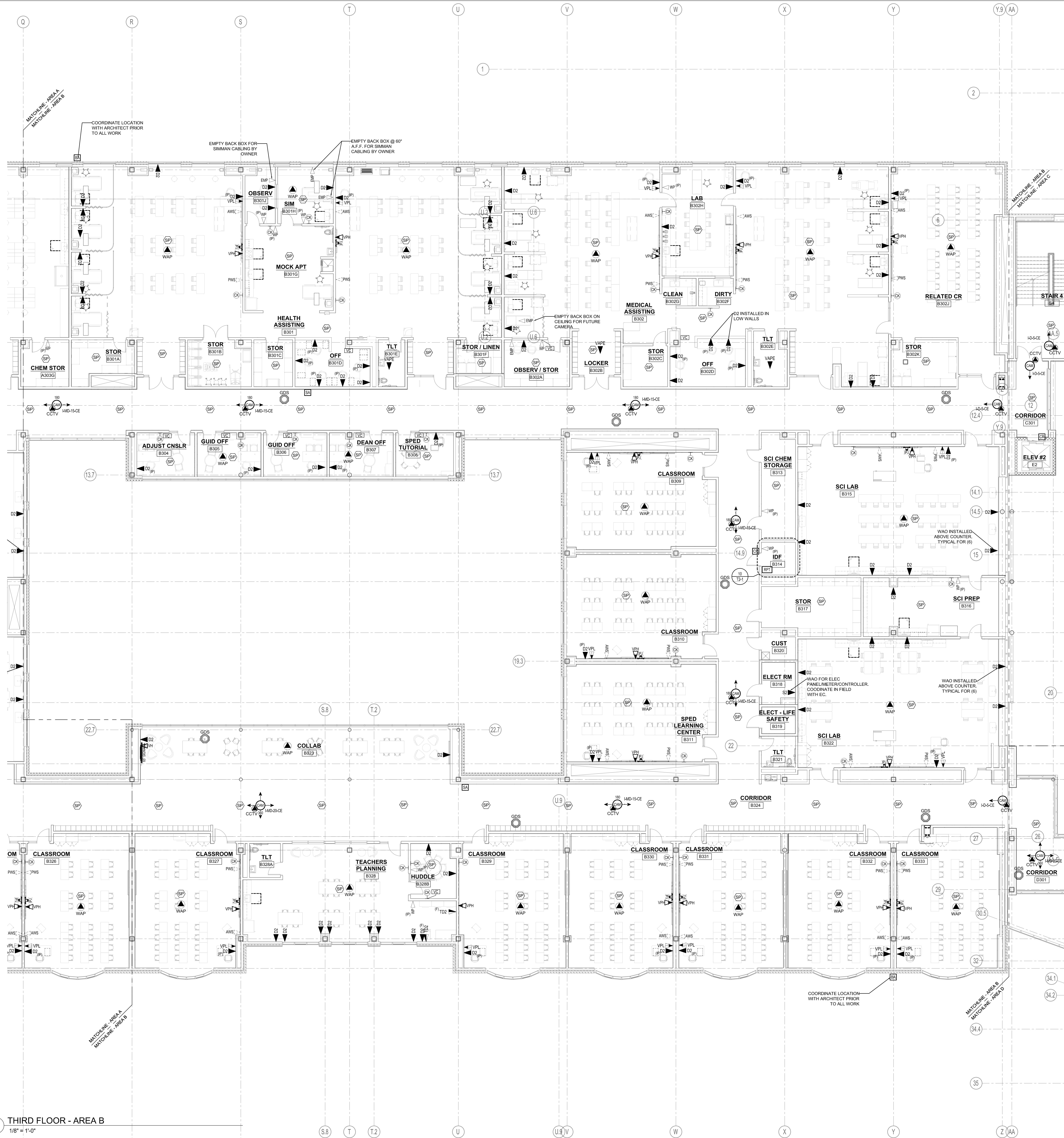
Drawn By:MLD/AME

Date: 05/12/2023

T1-1-3A



1 THIRD FLOOR - AREA A
1/8" = 1'-0"



1 THIRD FLOOR - AREA B
1/8" = 1'-0"

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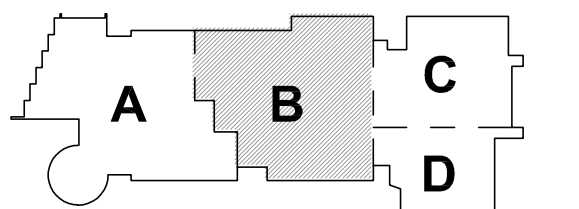
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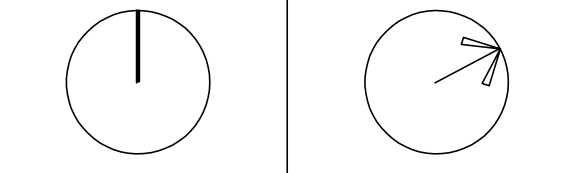
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T11-13B

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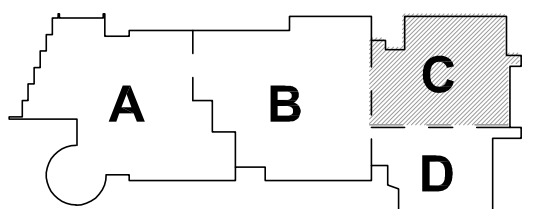
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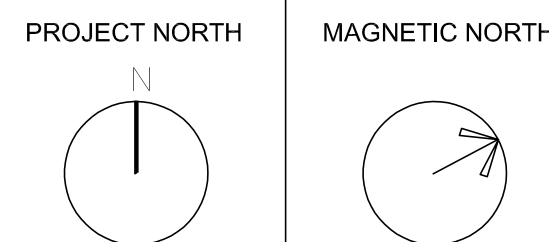
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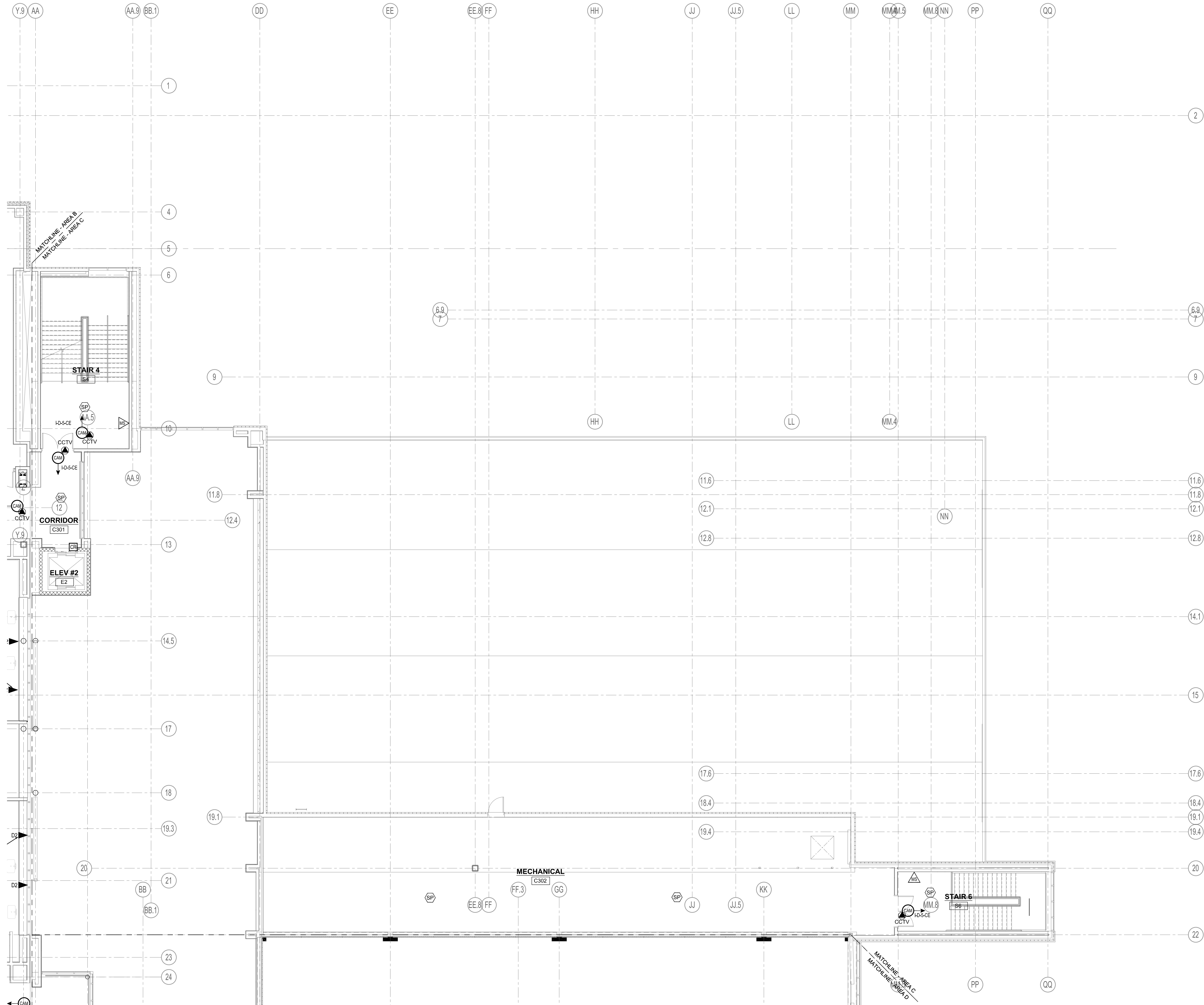
KEY PLAN



THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/GSD
Date: 05/12/2023

T1-1-3C



1 THIRD FLOOR - AREA C
1/8" = 1'-0"

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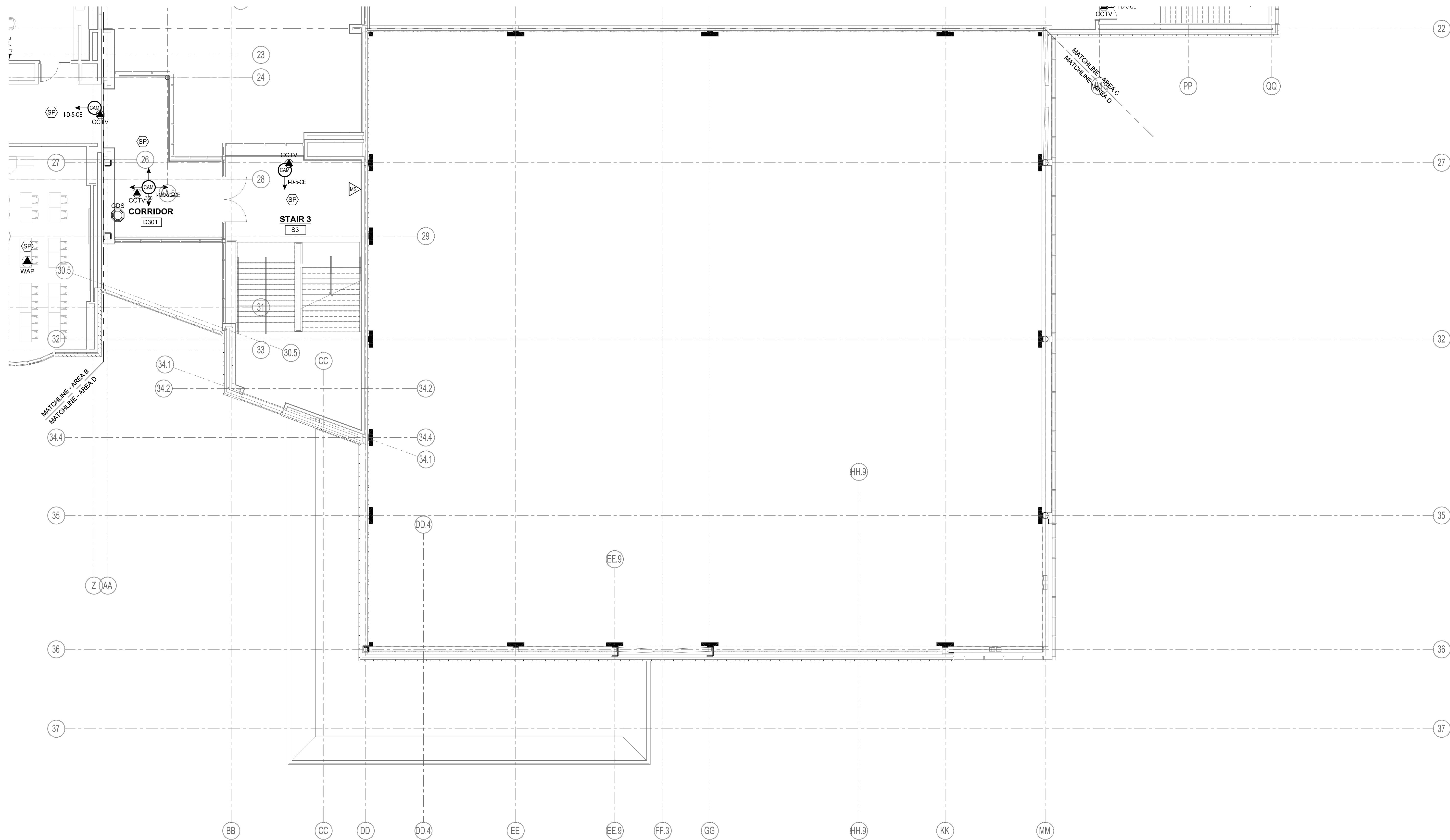
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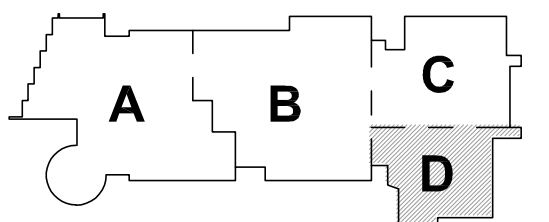
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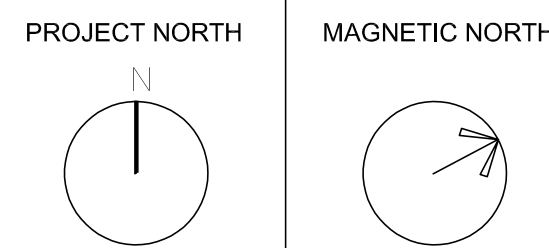
1 THIRD FLOOR - AREA D
1/8" = 1'-0"

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KEY PLAN



THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-3D



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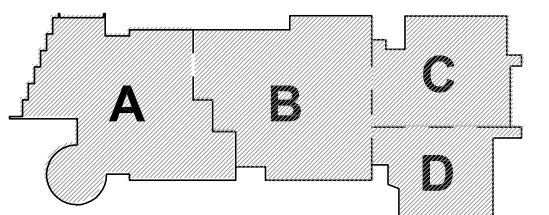
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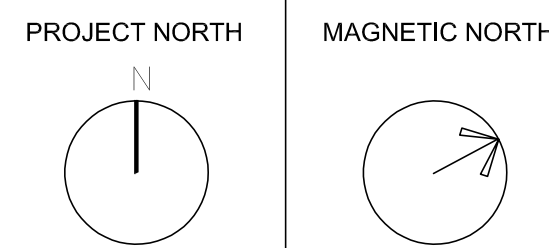
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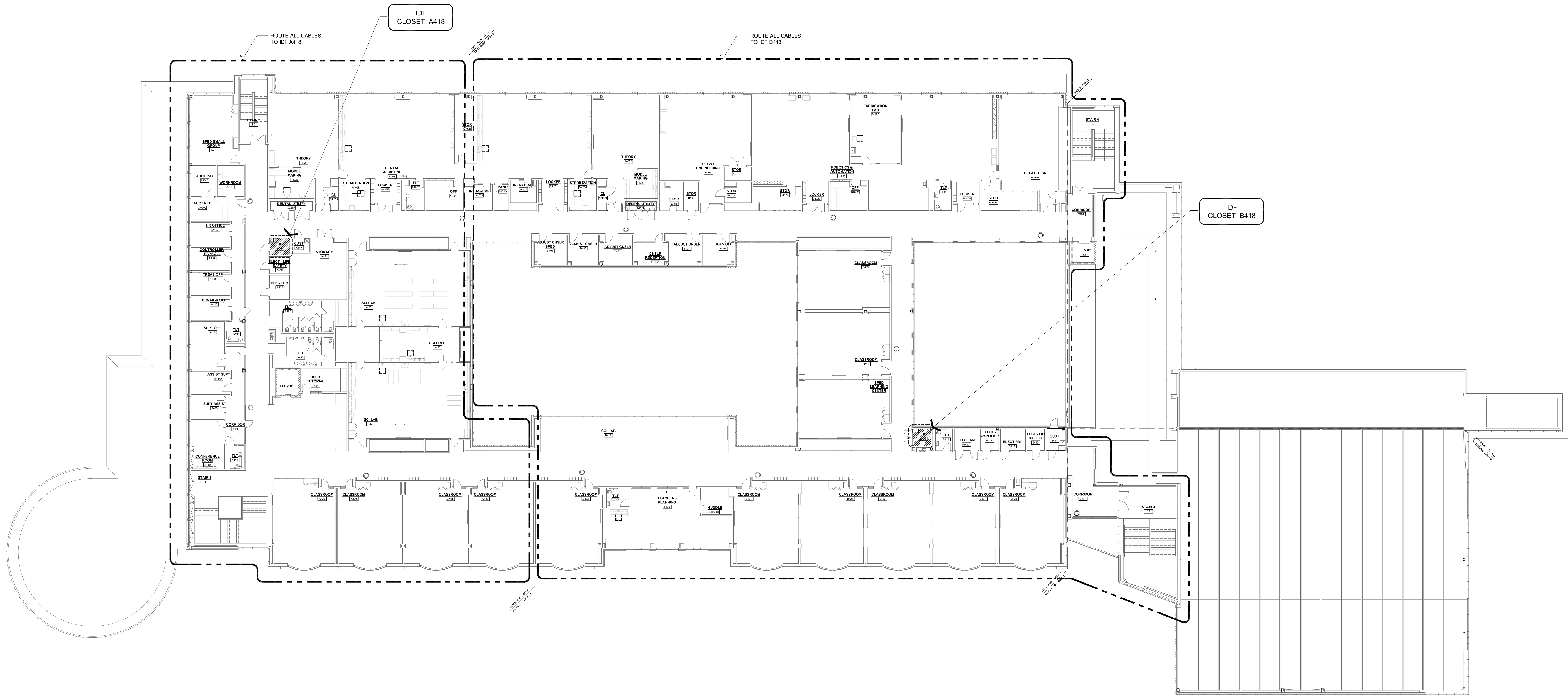
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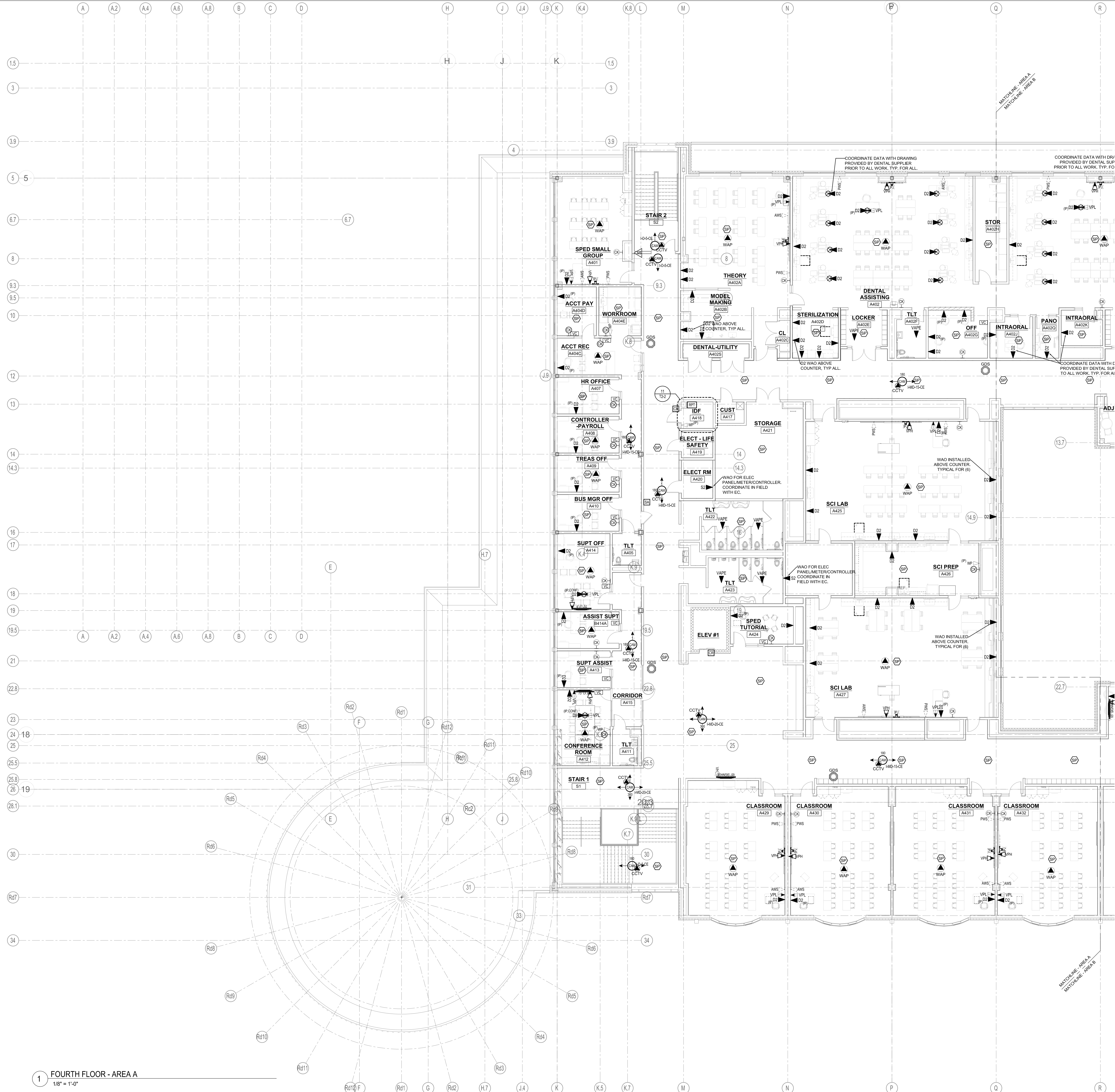


FOURTH FLOOR
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-4





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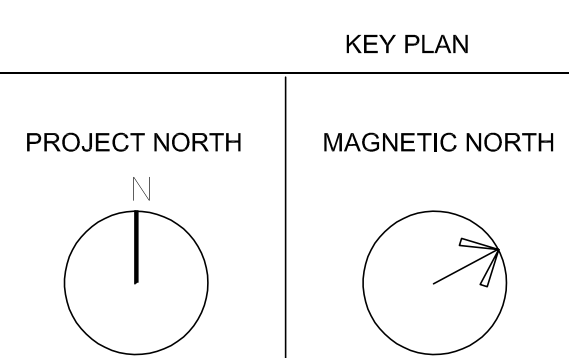
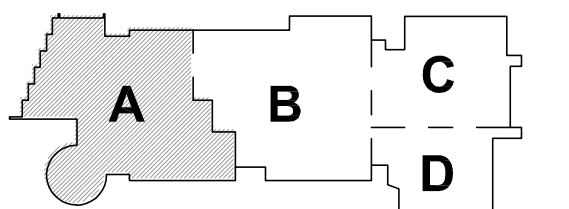
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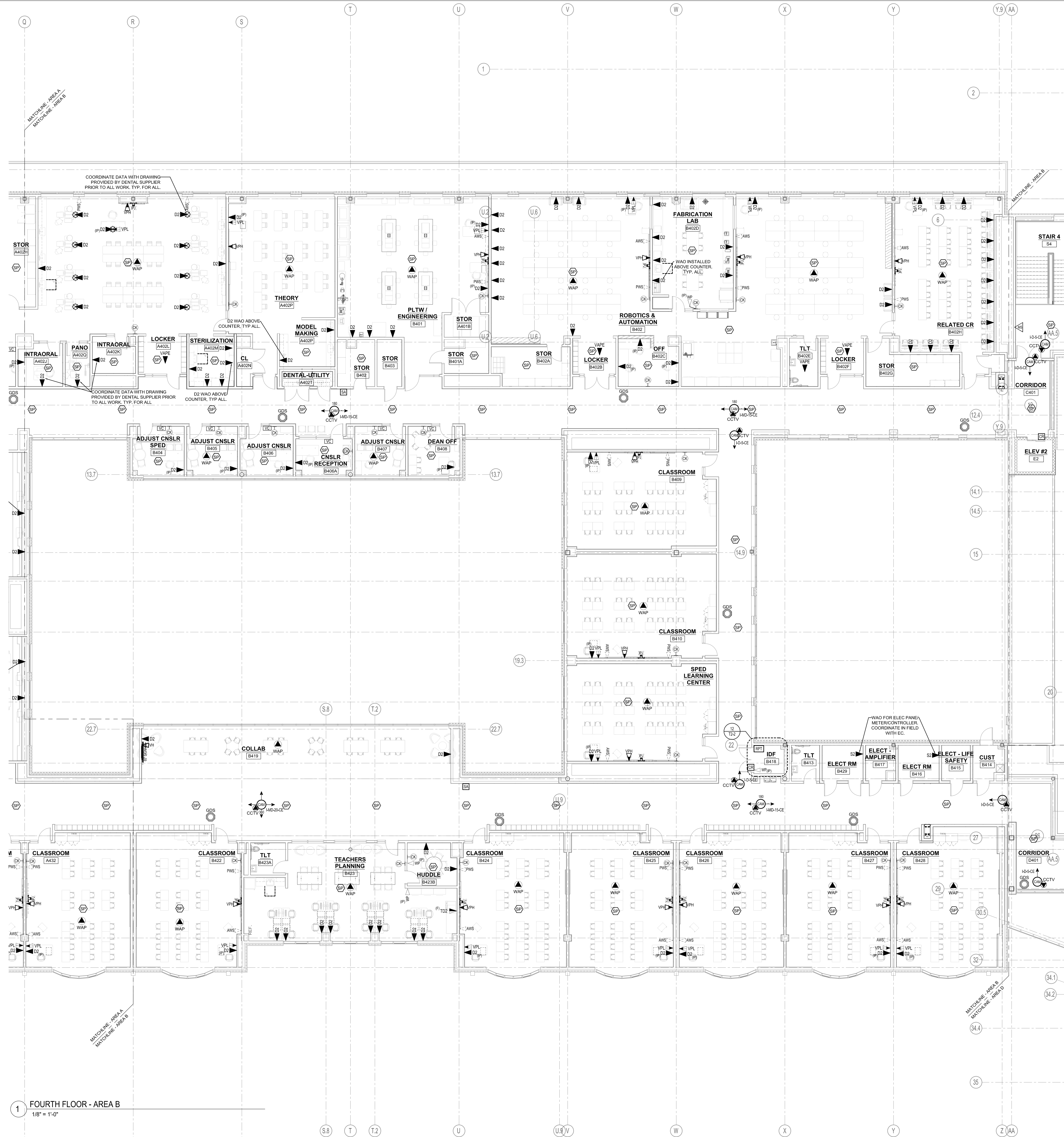
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FOURTH FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA A

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T11-4A



1 FOURTH FLOOR - AREA B
1/8" = 1'-0"

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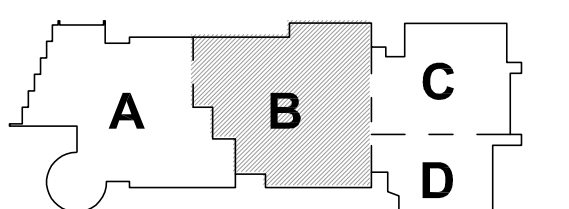
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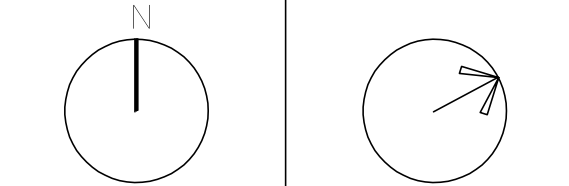
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KEY PLAN

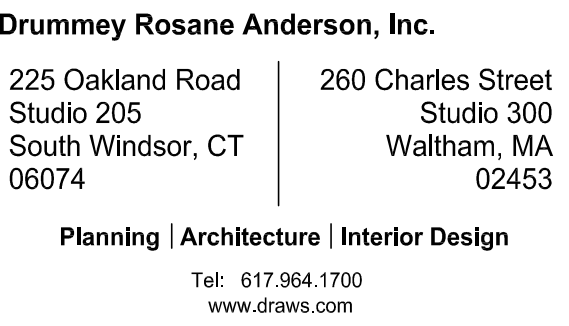
PROJECT NORTH MAGNETIC NORTH



FOURTH FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA B

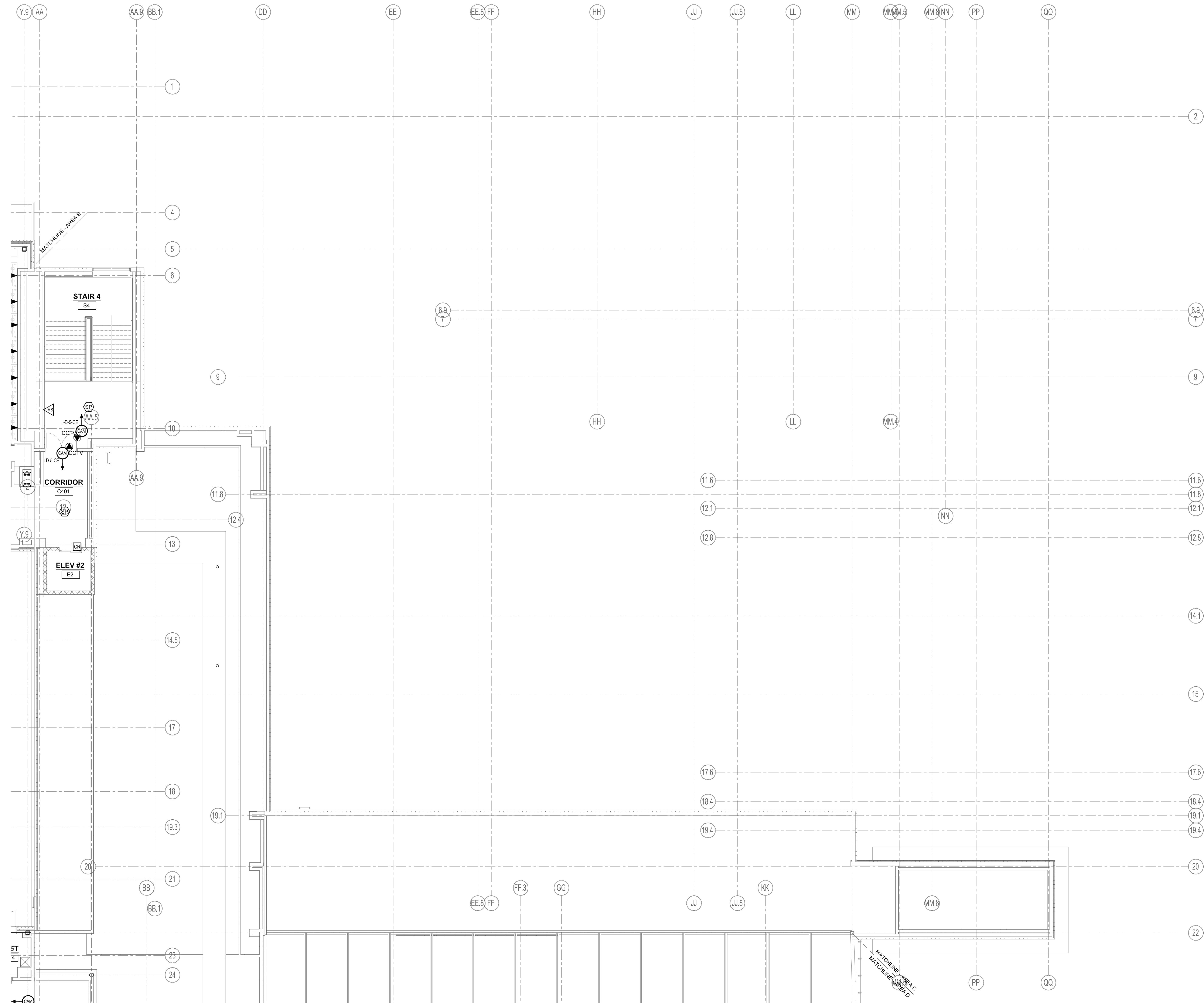
Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

T1-1-4B

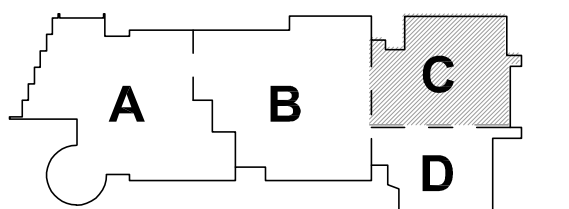


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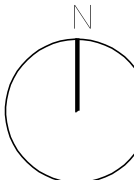


1 FOURTH FLOOR - AREA C
1/8" = 1'-0"

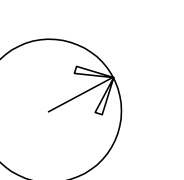
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Y PLAN

PROJECT NORTH



MAGNETIC NORTH



**FOURTH FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA C**

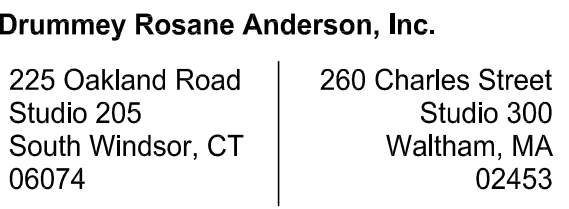
also: $1/8^* = 1/4$

o No.: 20202

Drawn By:MLD/AN

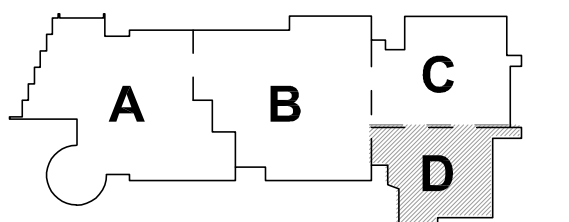
16: 05/12/2023

T1-1-4C

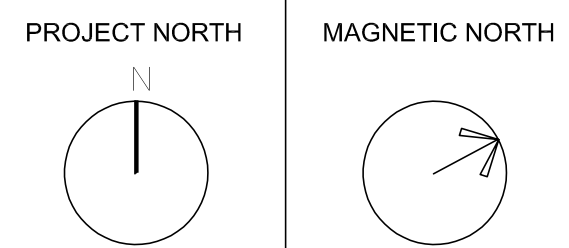


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KEY PLAN



FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA D

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: MLD/AMD
 Date: 05/12/2023

T1-1-4D

T1-1-4D

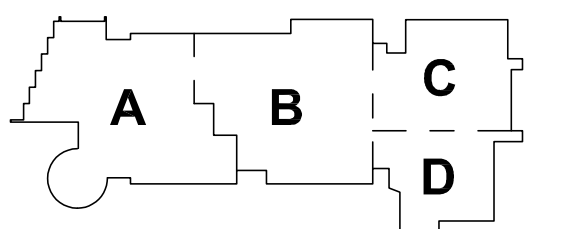
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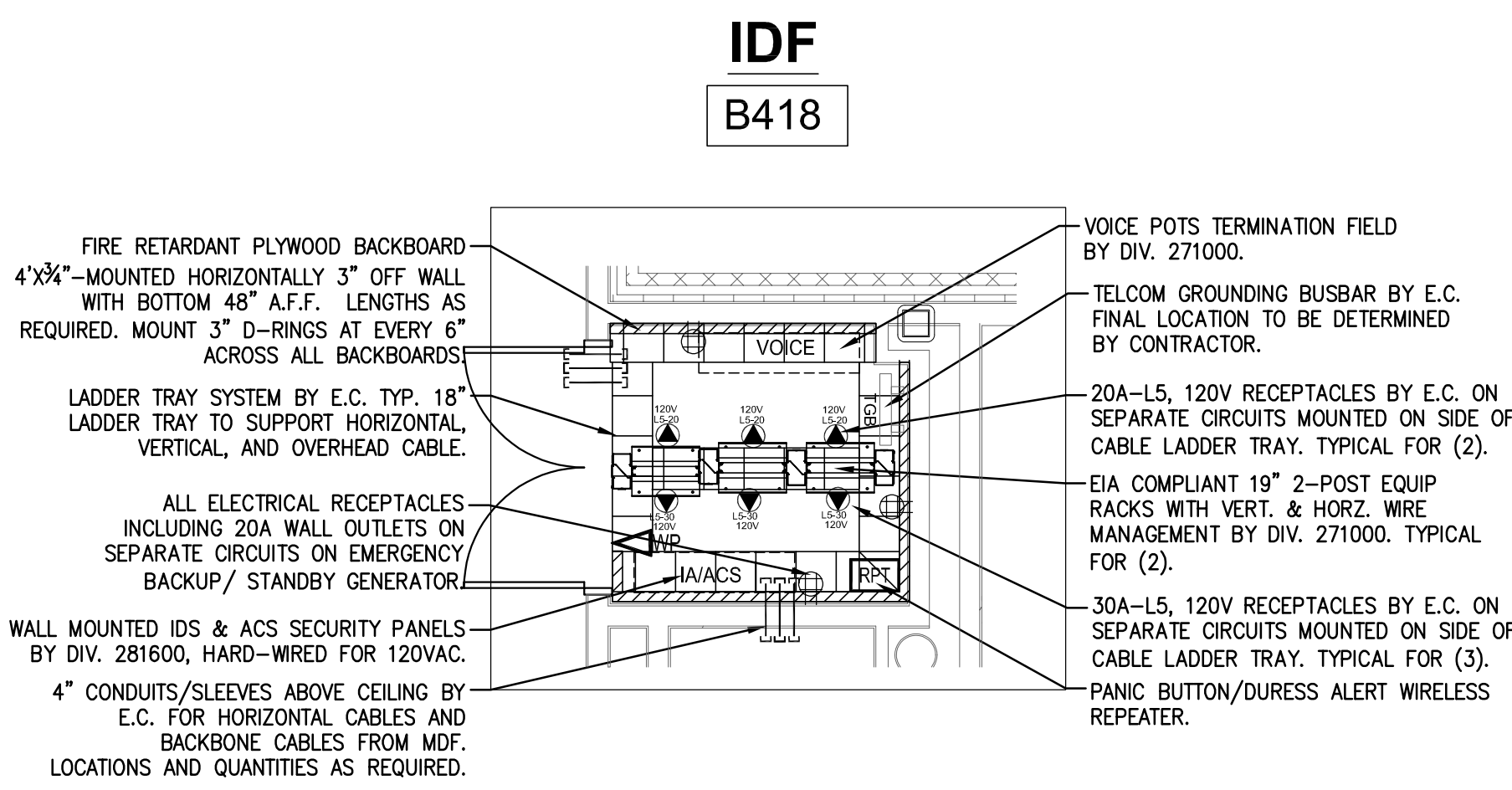


PROJECT NORTH
MAGNETIC NORTH

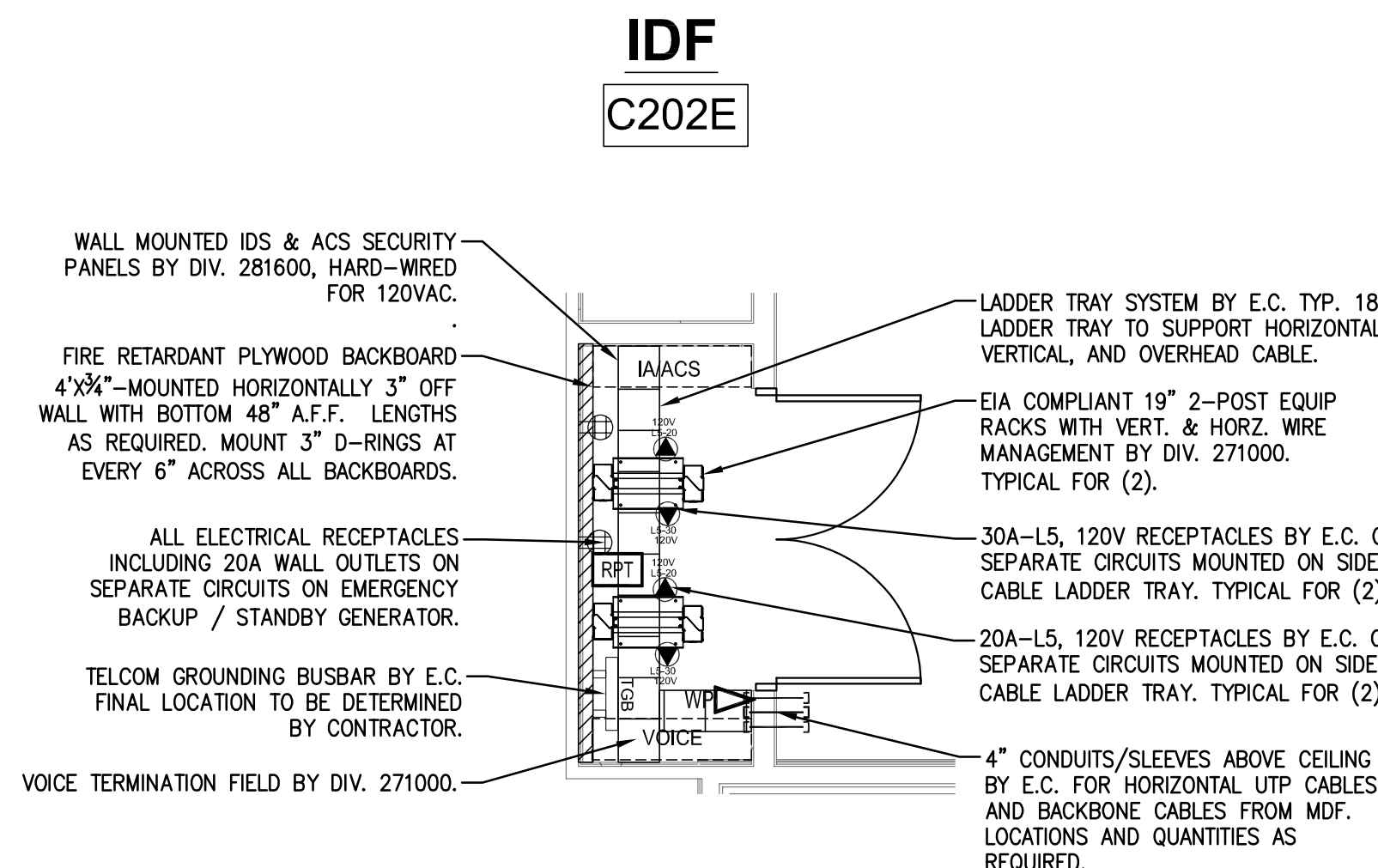
**ENLARGED
PLANS
TECHNOLOGY**

Scale:
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023

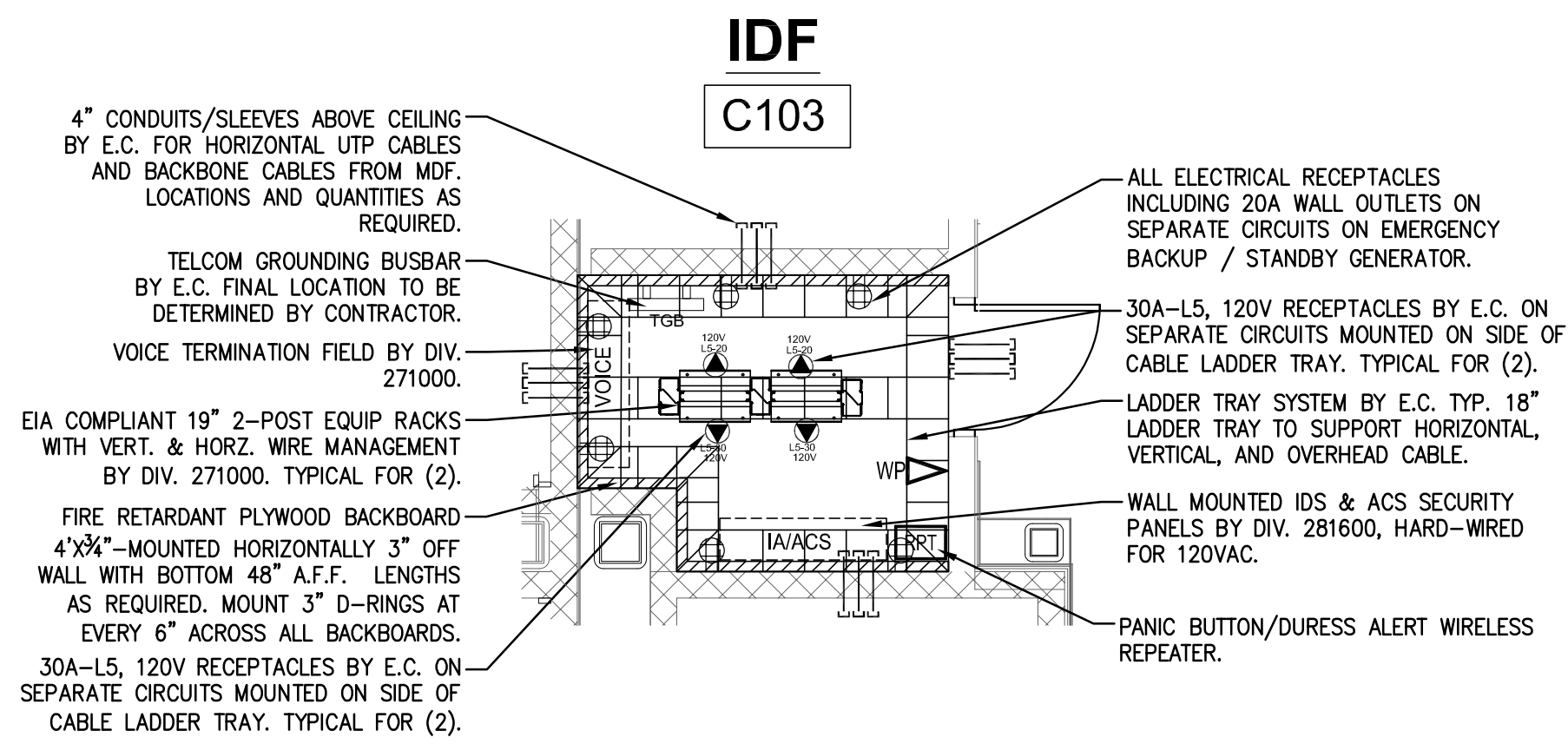
T2-1



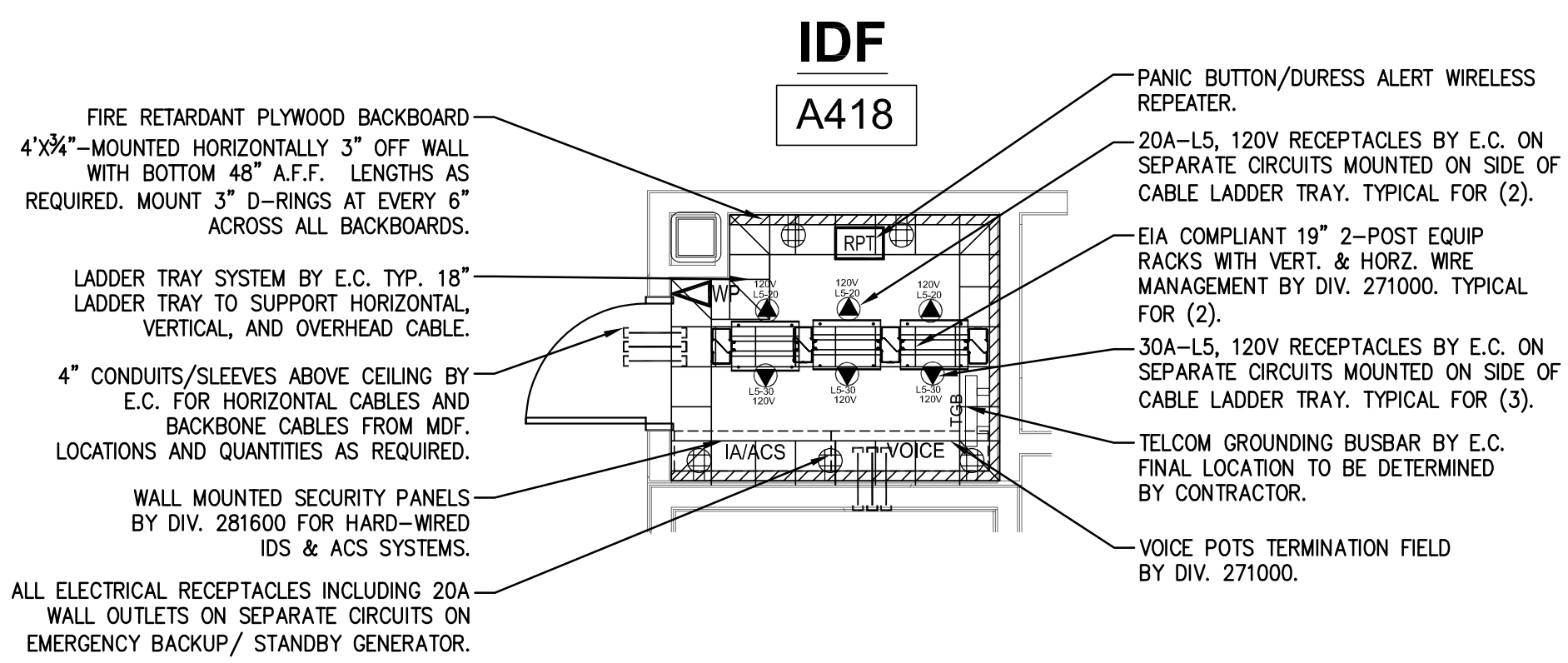
12 IDF B418 ENLARGED PLAN
SCALE: 1/4"=1'-0"



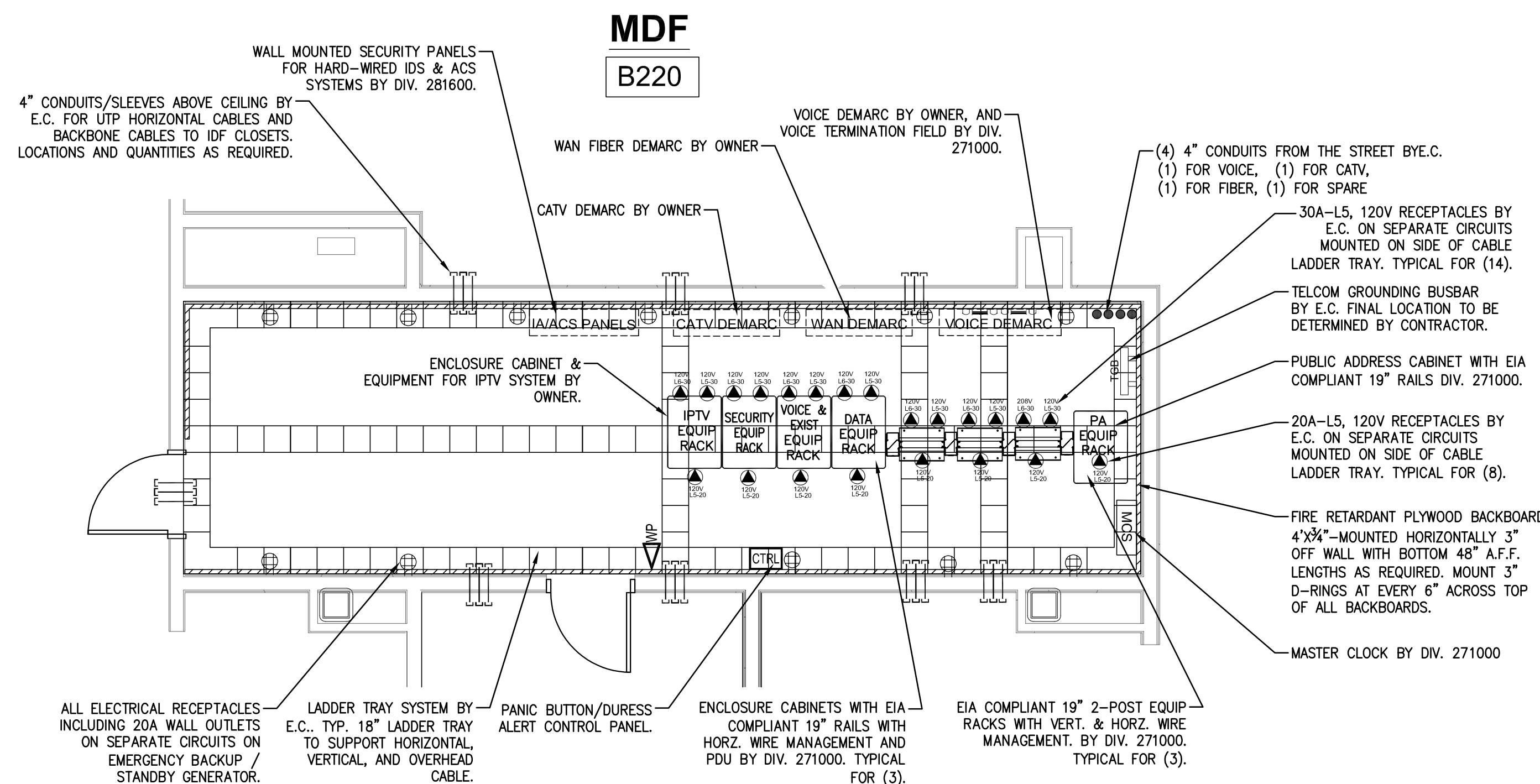
8 IDF C202E ENLARGED PLAN
SCALE: 1/4"=1'-0"



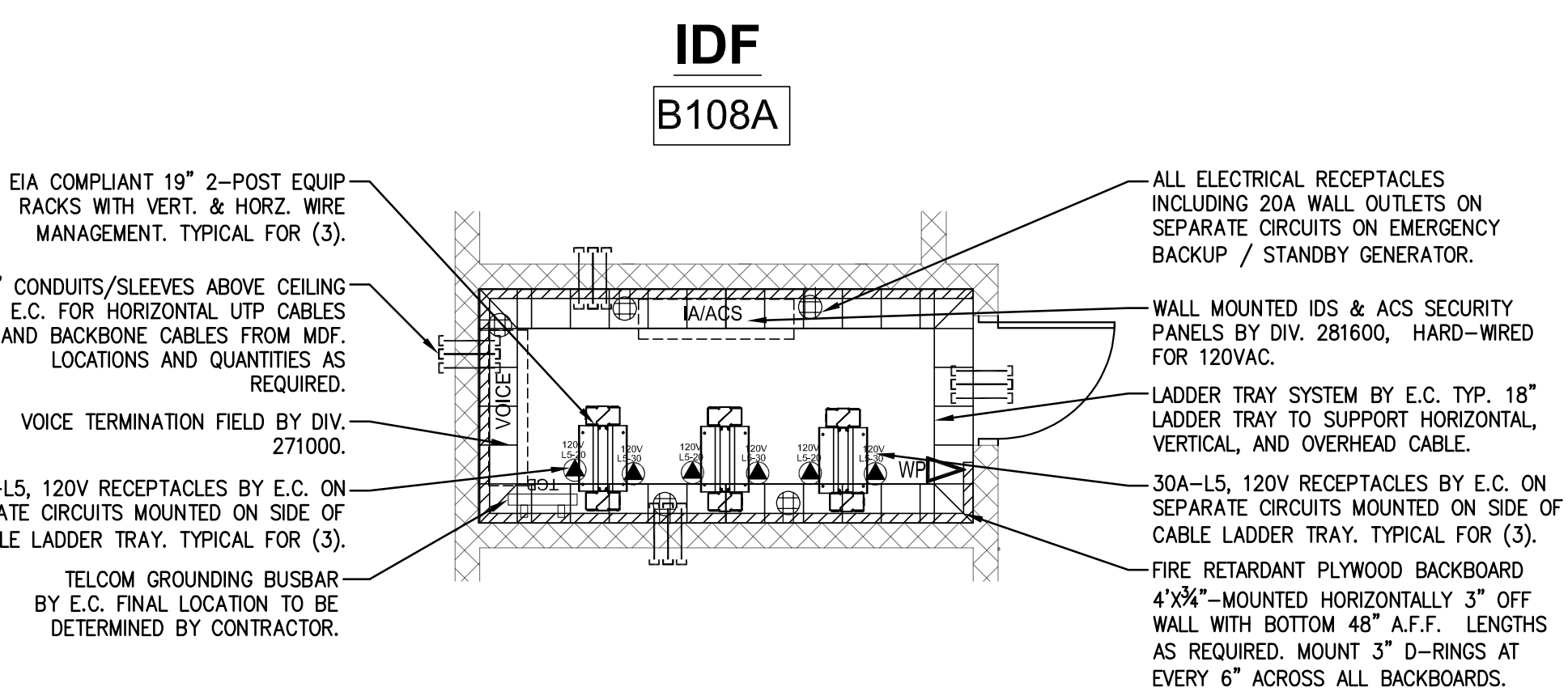
4 IDF C103 ENLARGED PLAN
SCALE: 1/4"=1'-0"



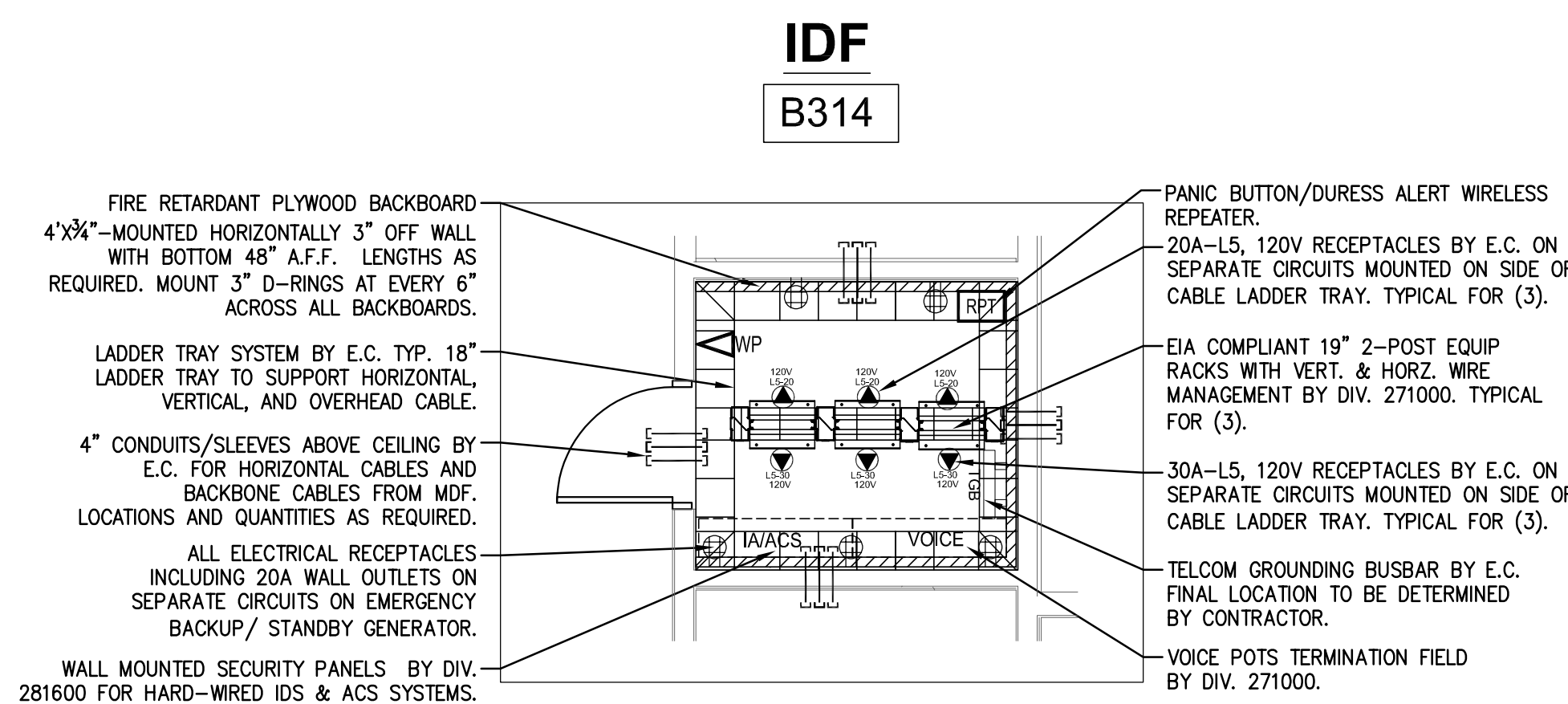
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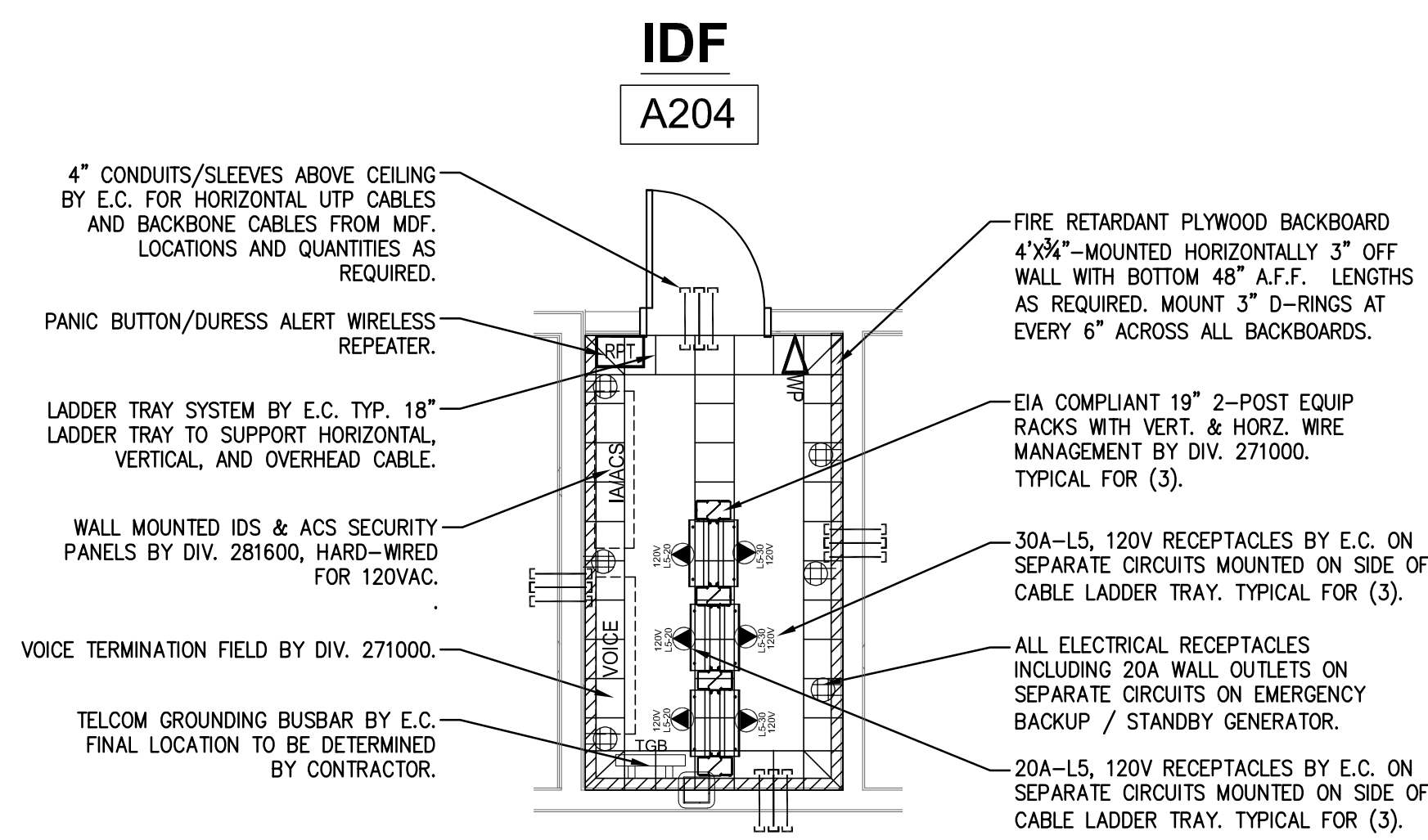
7 MDF B220 ENLARGED PLAN
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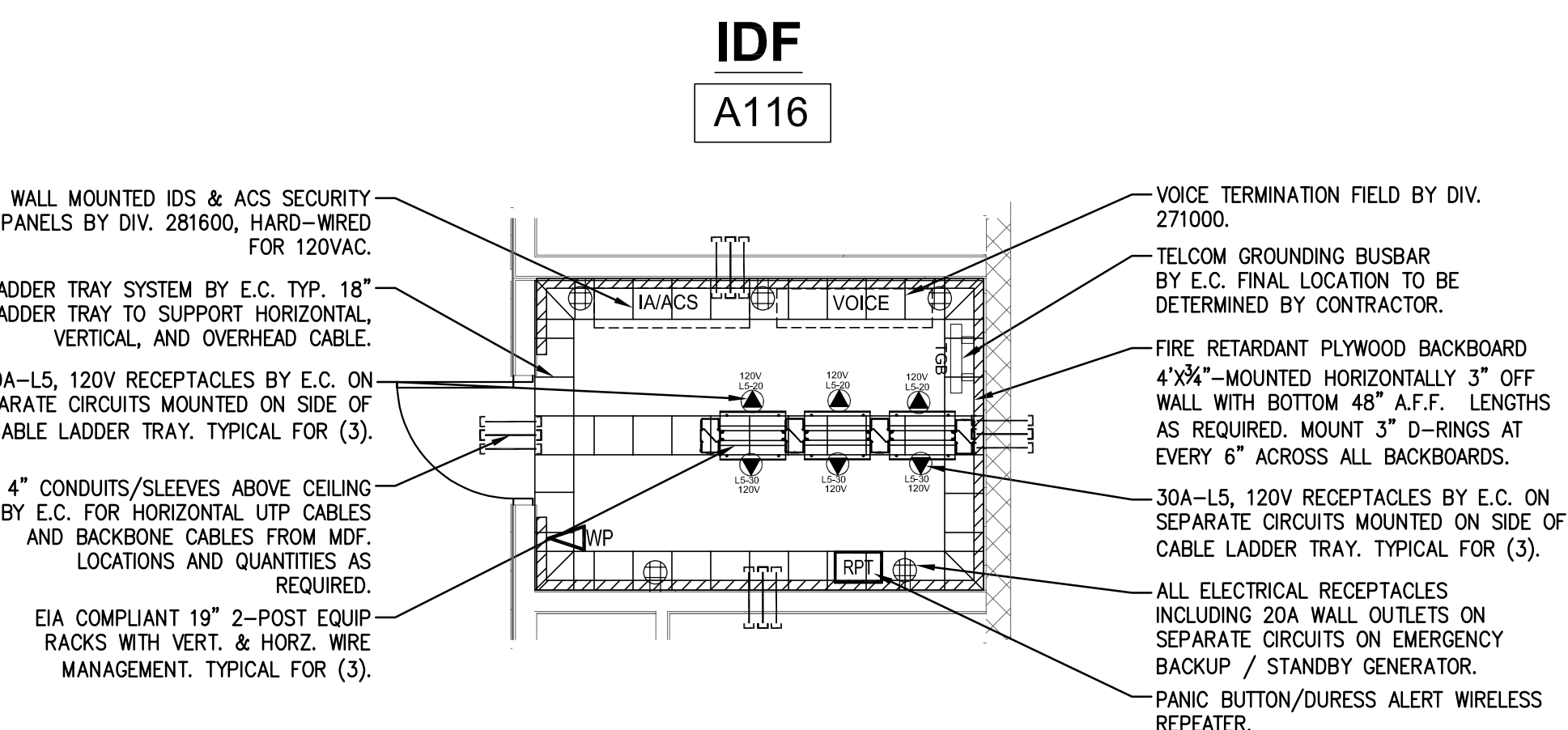
3 IDF B108A ENLARGED PLAN
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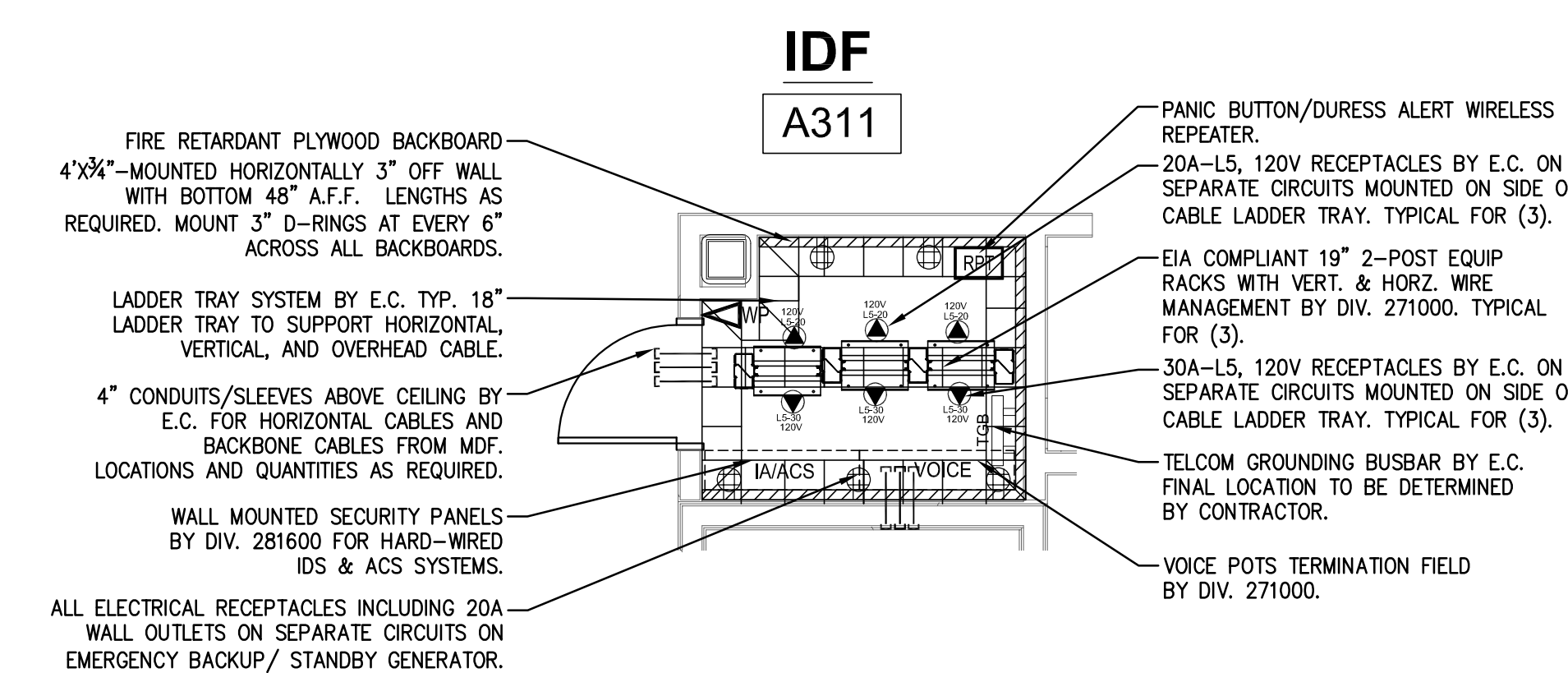
10 IDF B314 ENLARGED PLAN
SCALE: 1/4"=1'-0"



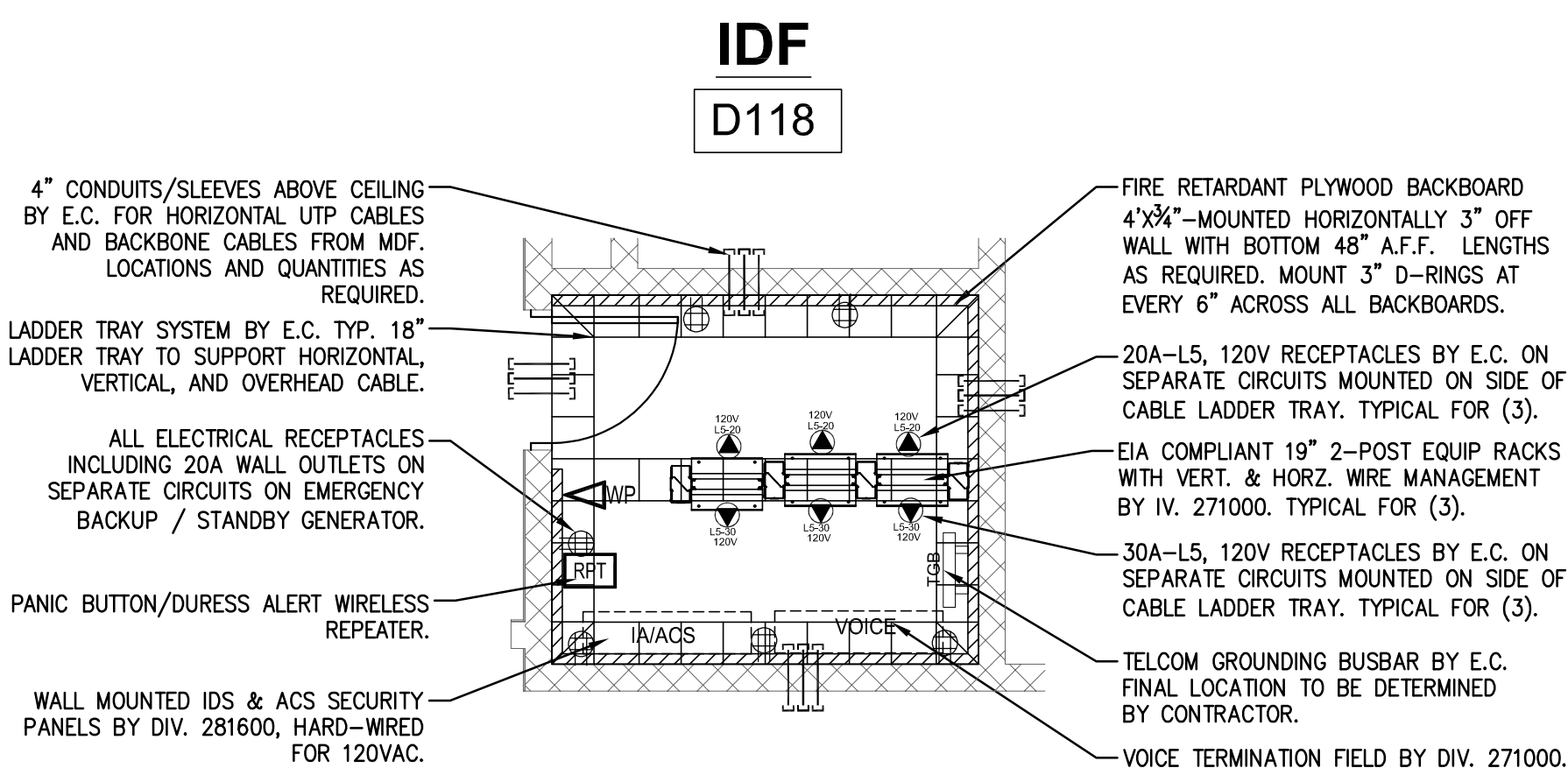
6 IDF A204 ENLARGED PLAN
SCALE: 1/4"=1"



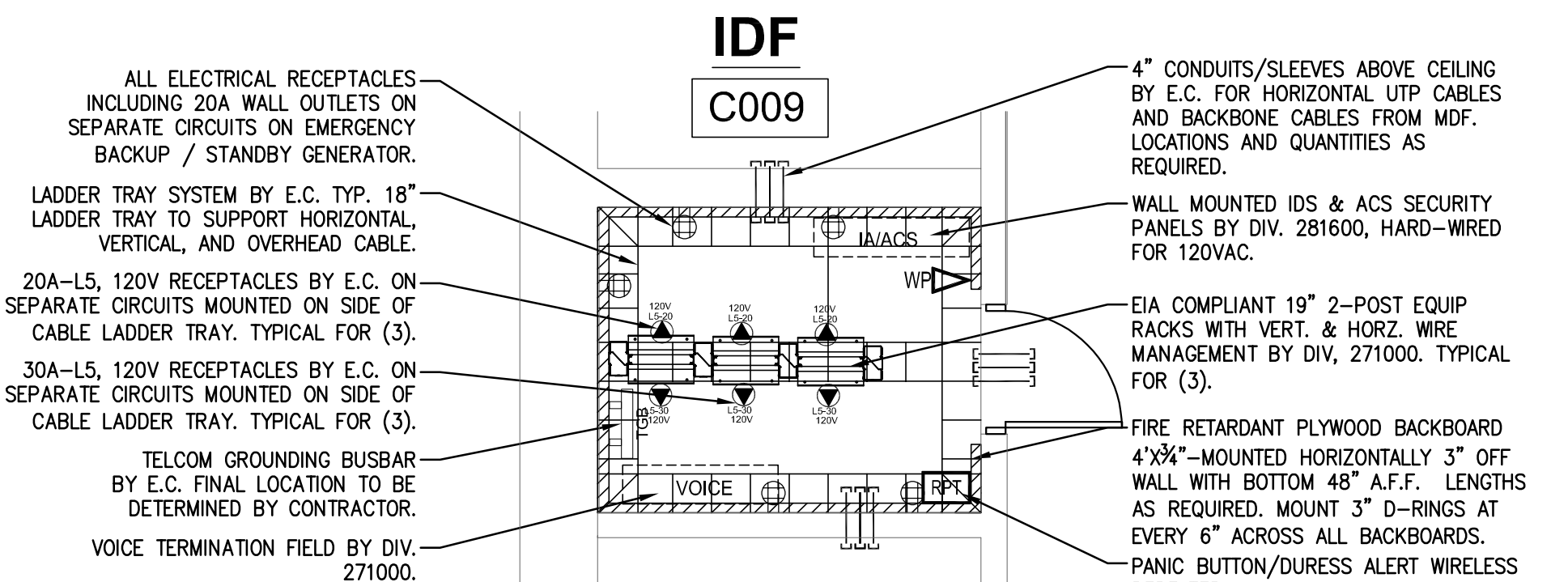
2 IDF A116 ENLARGED PLAN
SCALE: 1/4"=1"



9 IDF A311 ENLARGED PLAN
SCALE: 1/4"=1'-0"



5 IDF D118 ENLARGED PLAN
SCALE: 1/4"=1"



1 IDF C009 ENLARGED PLAN
SCALE: 1/4"=1"



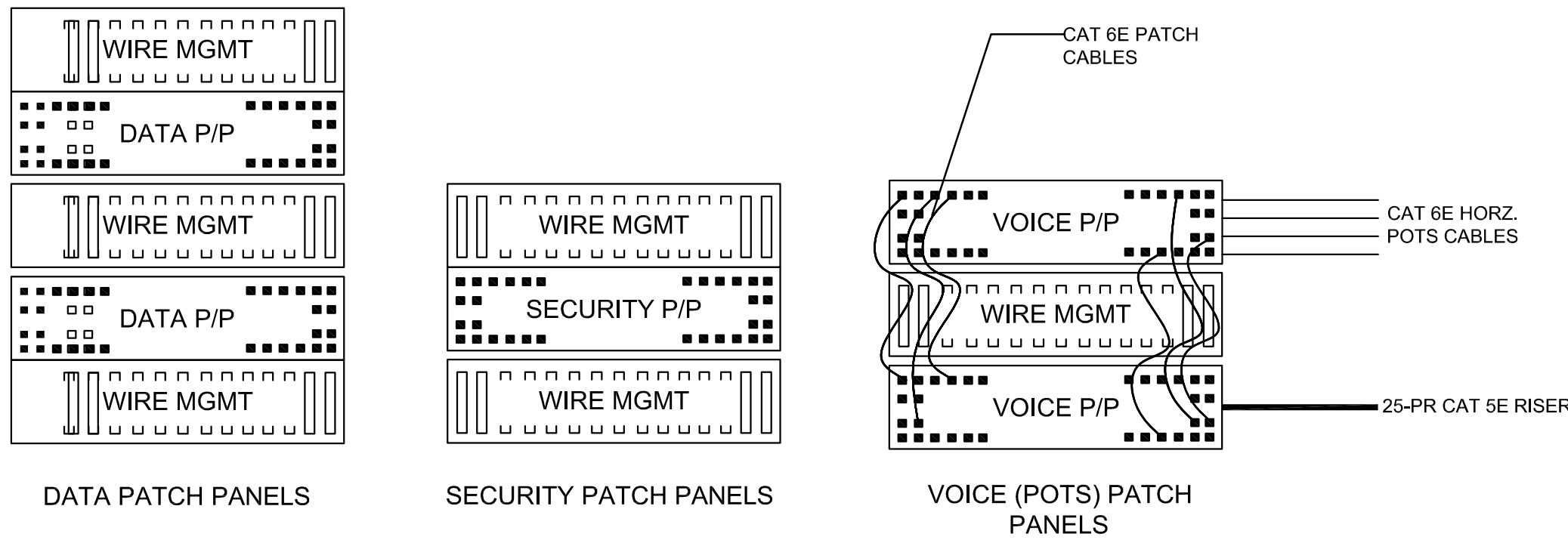
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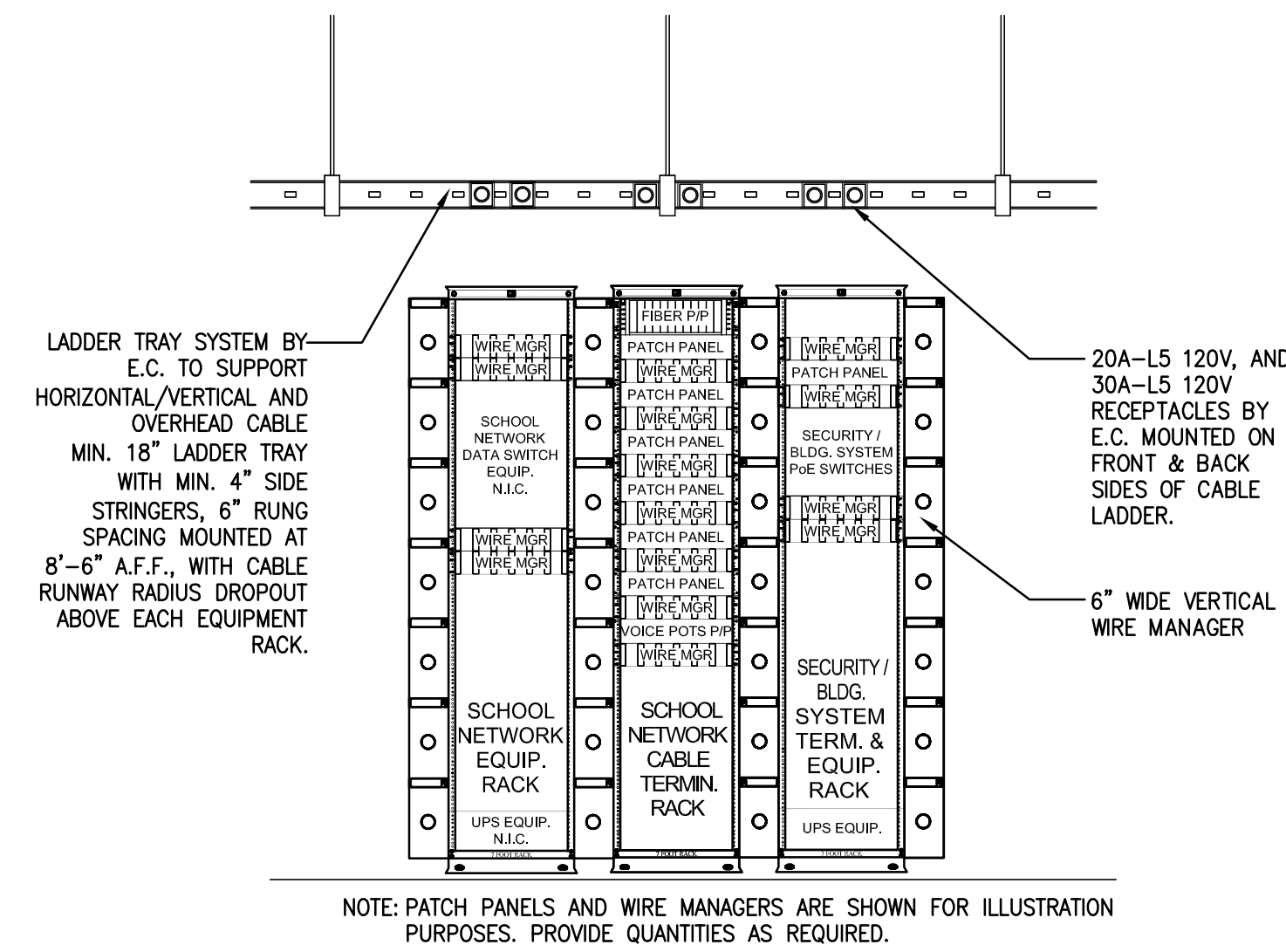
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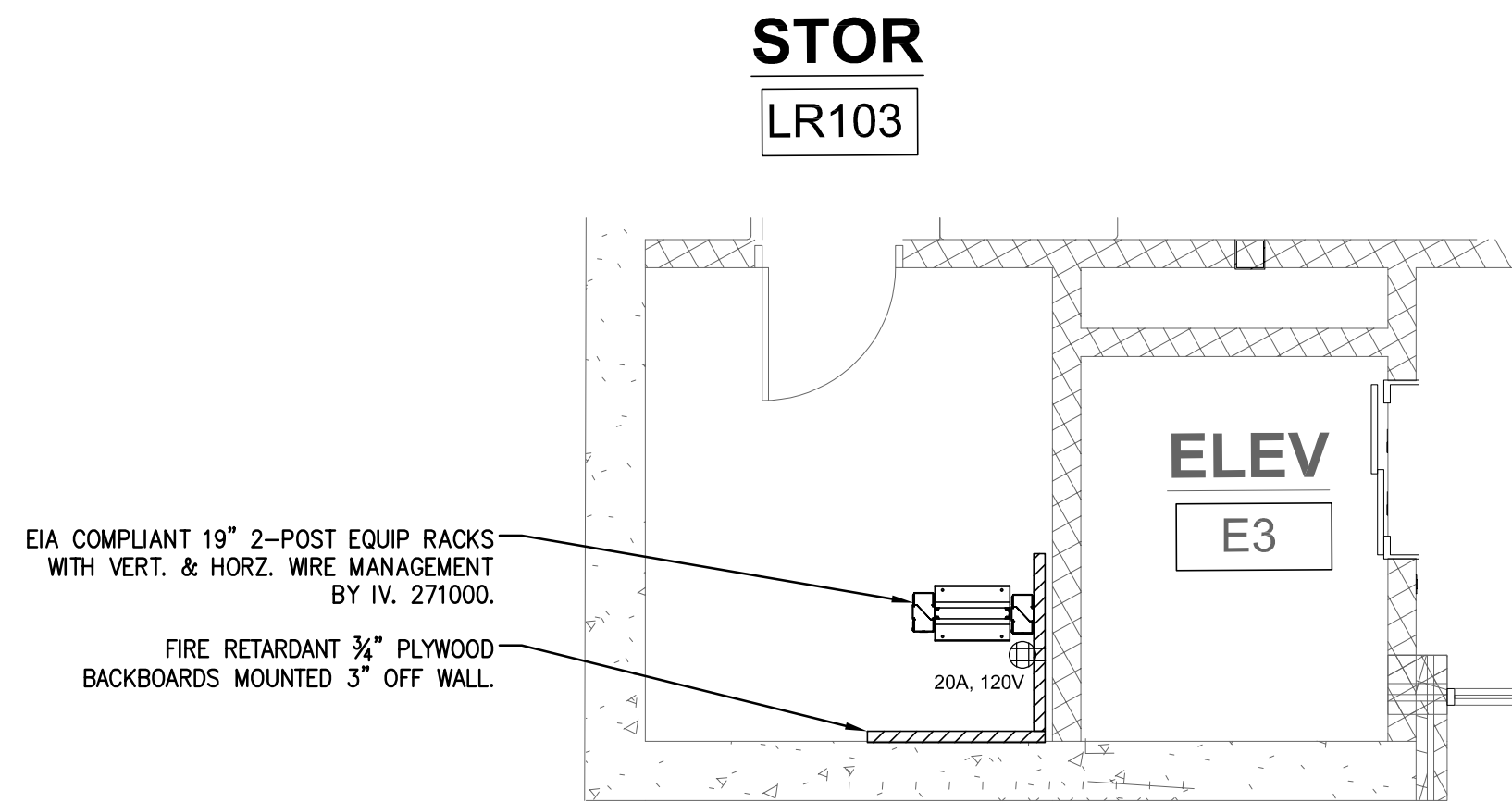
NOTE: PATCH PANELS AND HORZ. WIRE MANAGERS ARE SHOWN FOR ILLUSTRATION PURPOSES. PROVIDE QUANTITIES AS REQUIRED.

6 PATCH PANEL AND WIRE MANAGER LAYOUTS
DATA, SECURITY, AND VOICE (POTS) PATCH PANELS
SCALE: N.T.S.

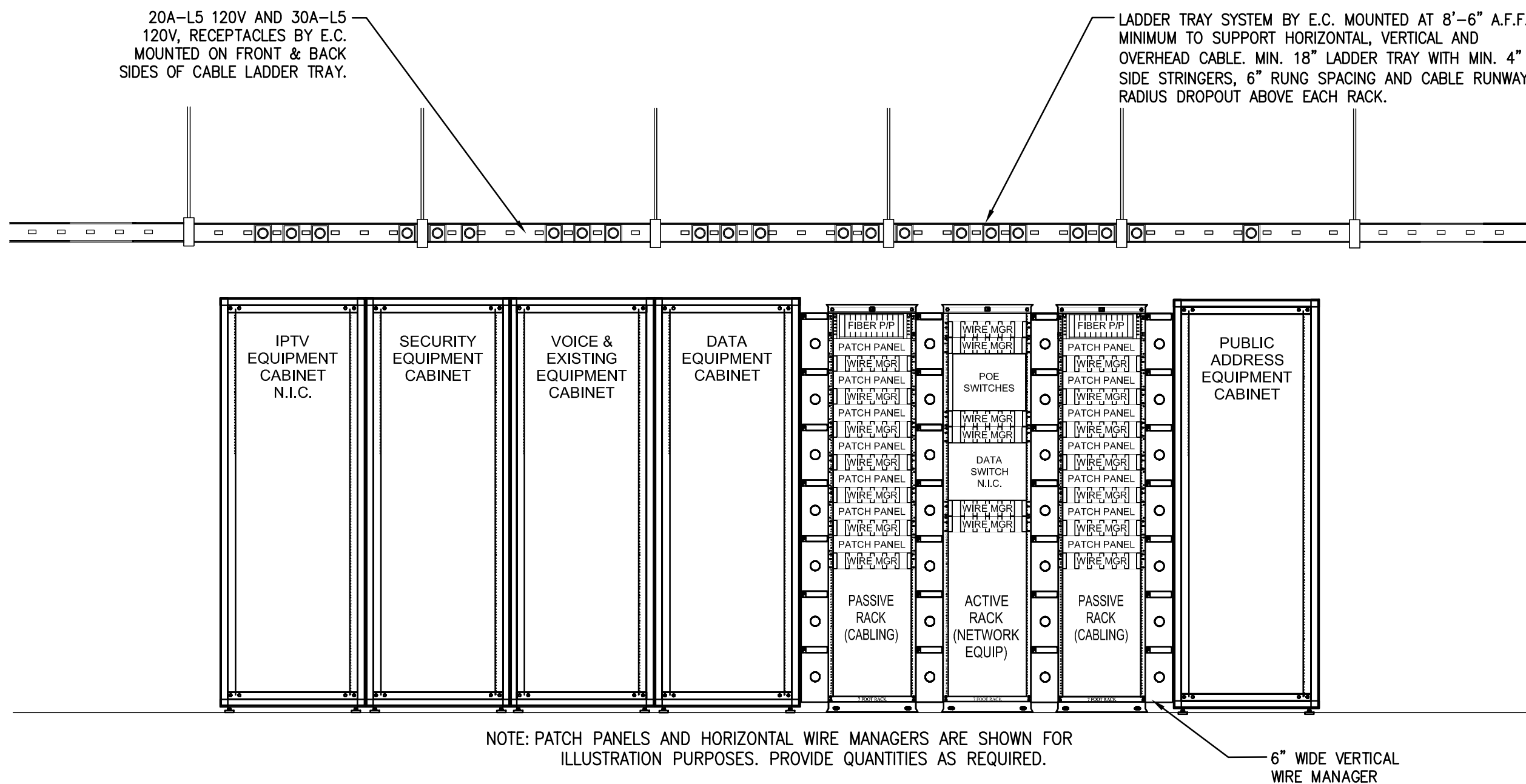


NOTE: PATCH PANELS AND WIRE MANAGERS ARE SHOWN FOR ILLUSTRATION PURPOSES. PROVIDE QUANTITIES AS REQUIRED.

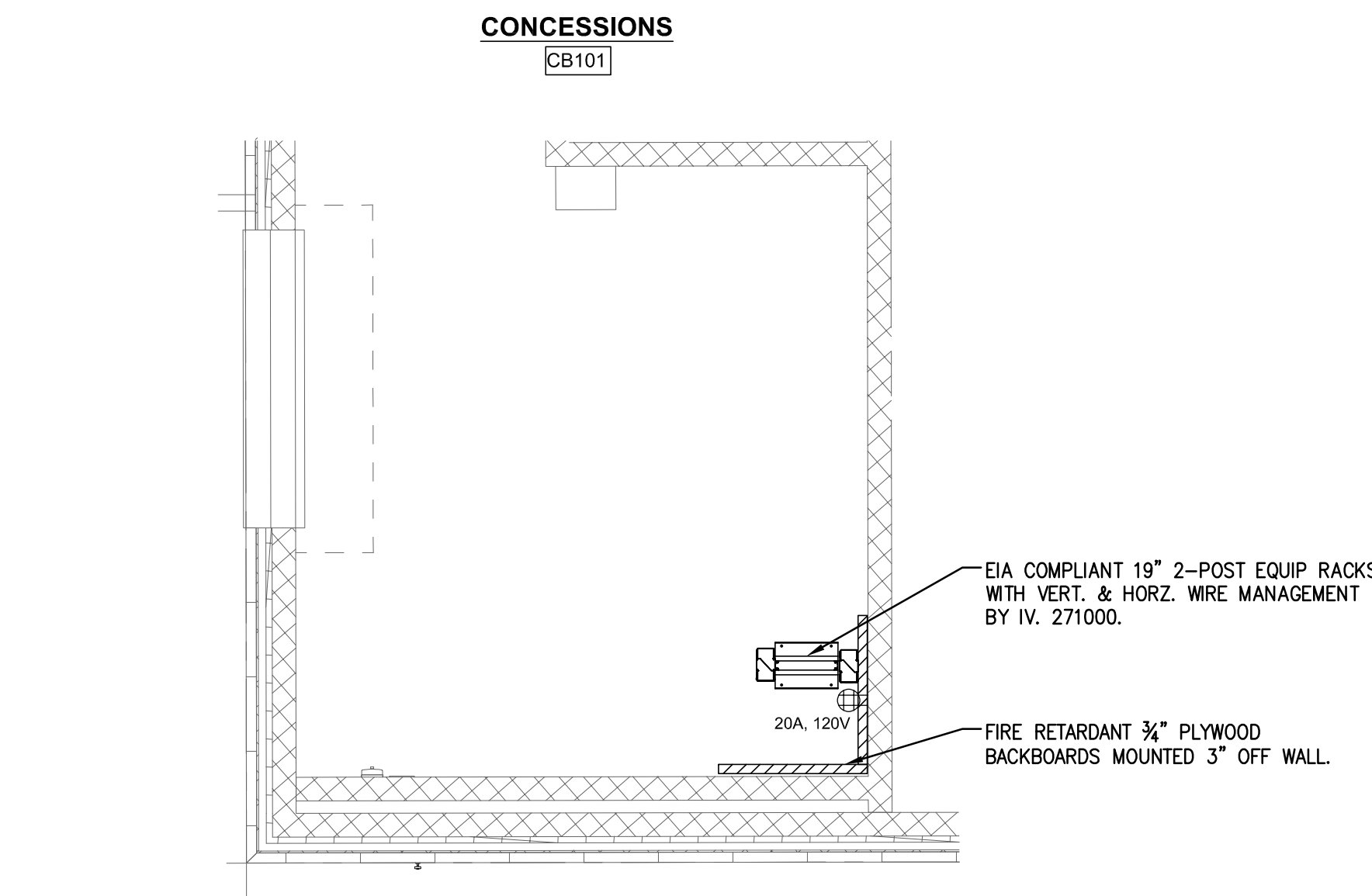
5 IDF RACK ELEVATIONS AND DETAILS
SCALE: N.T.S.



2 LOCKER BUILDING IDF (ADD ALT)
SCALE: 1/4\"/>



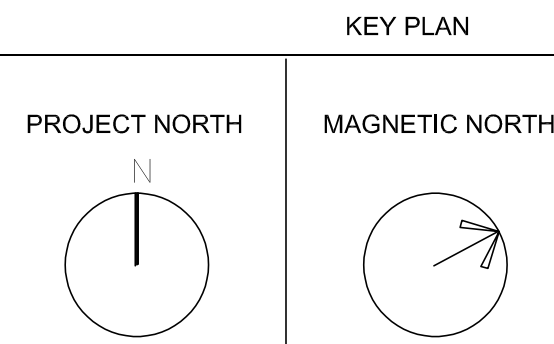
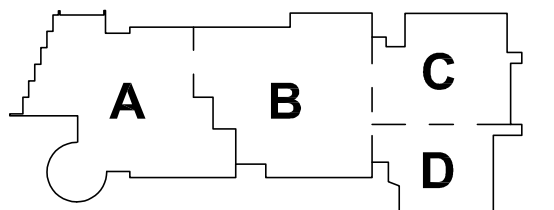
4 RACK ELEVATIONS AND DETAILS - MDF D108
SCALE: N.T.S.



1 CONCESSION BUILDING IDF (ADD ALT)
SCALE: 1/4\"/>

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ENLARGED
PLANS AND
RACK DETAILS
TECHNOLOGY

Scale: AS NOTED
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023

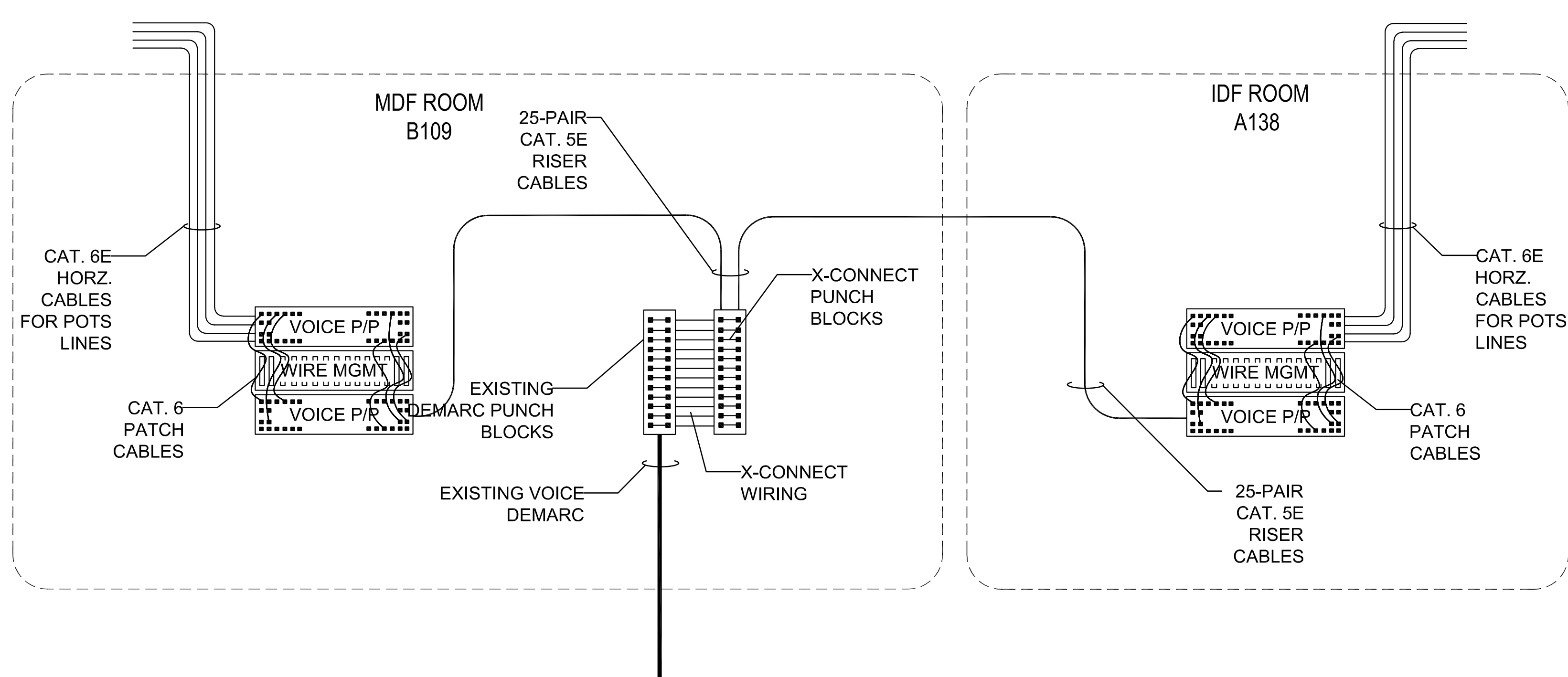
T2-2



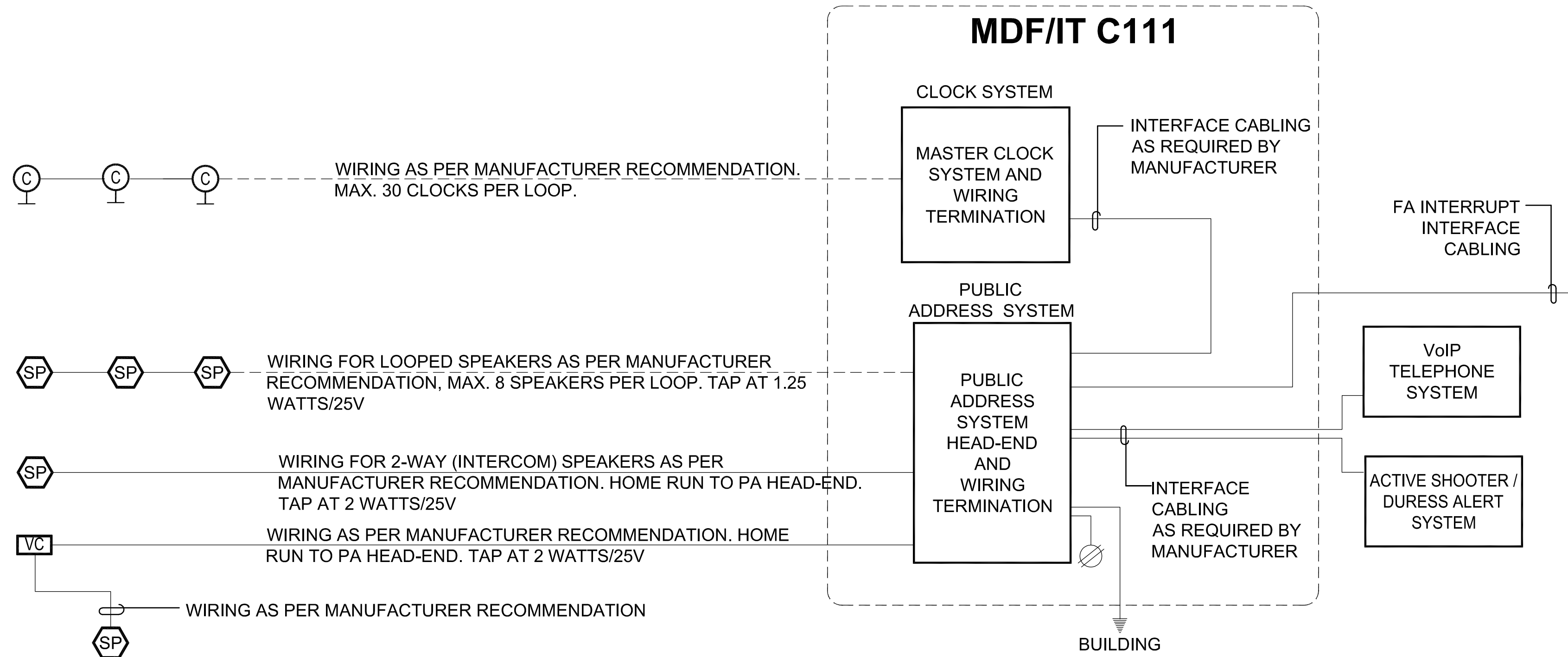
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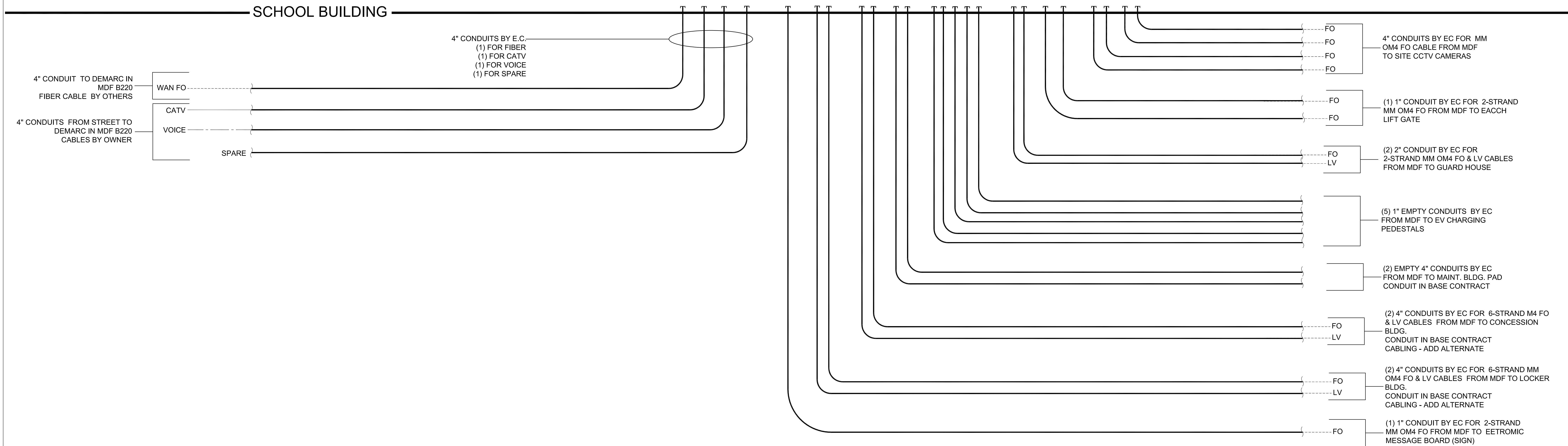
RISER
DIAGRAMS
TECHNOLOGY
AND SECURITY



3 ANALOG (POTS) VOICE CABLING RISER DIAGRAM
SCALE: NONE



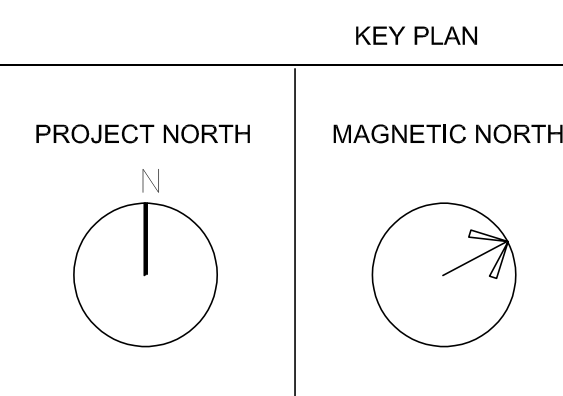
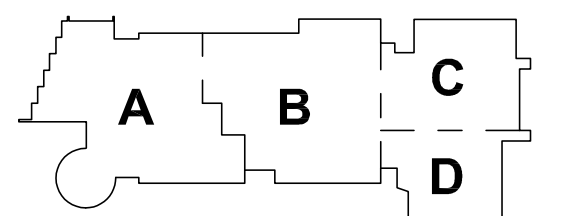
2 PUBLIC ADDRESS & CLOCK SYSTEMS RISER DIAGRAMS
SCALE: NONE



1 SITE CONDUIT AND CABLE RISER DIAGRAM
SCALE: NONE

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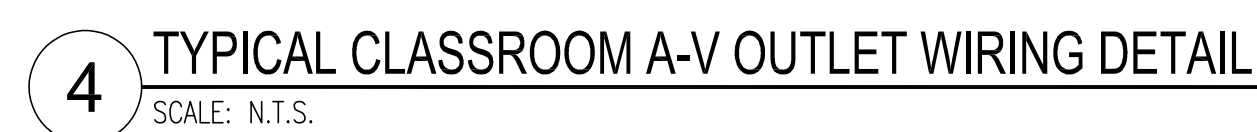


RISER
DIAGRAMS
TECHNOLOGY

Scale: NONE
Job No.: 20202
Drawn By:MLD/AMD
Date: 05/12/2023
T2-3



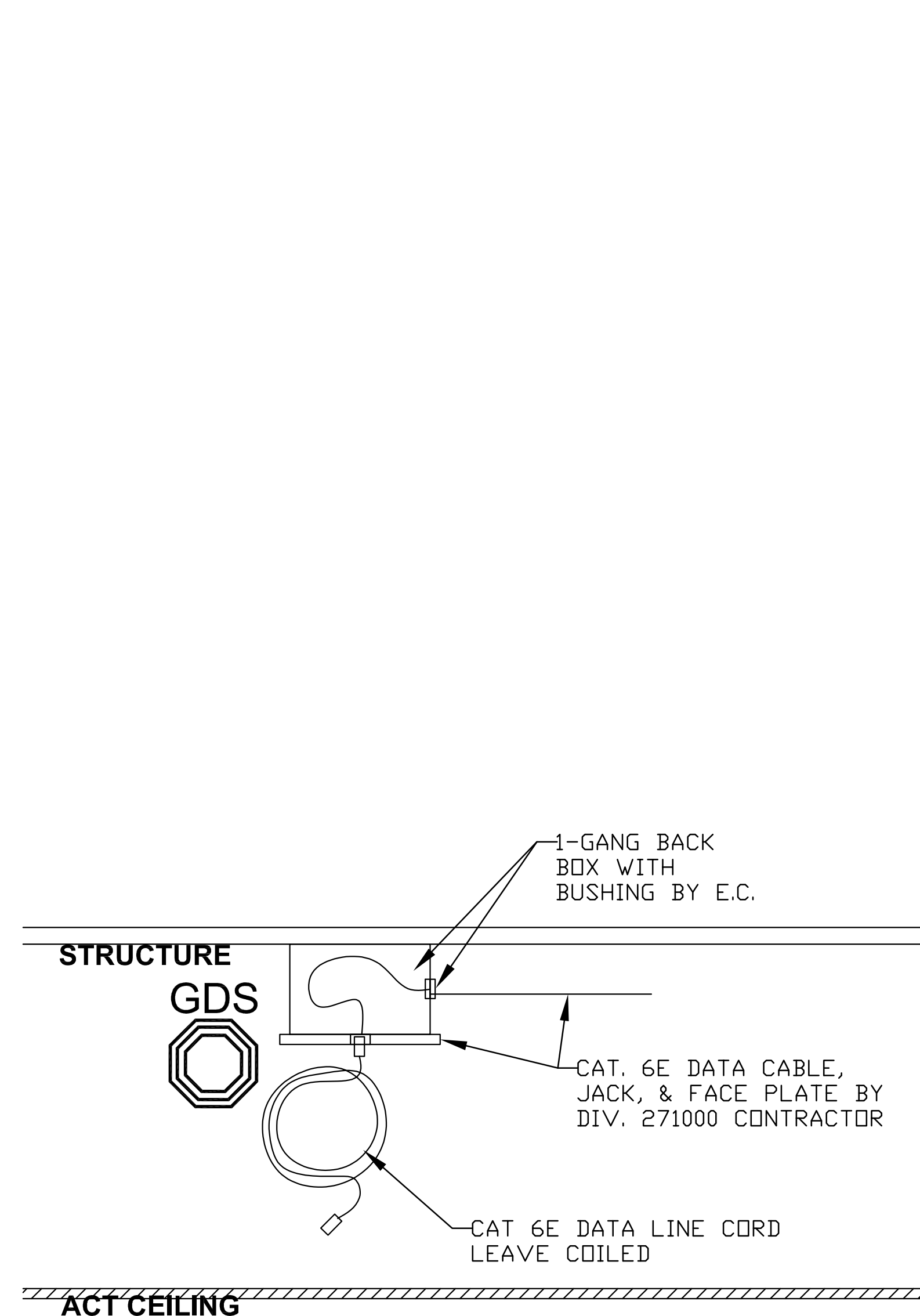
Wakefield, MA 01880



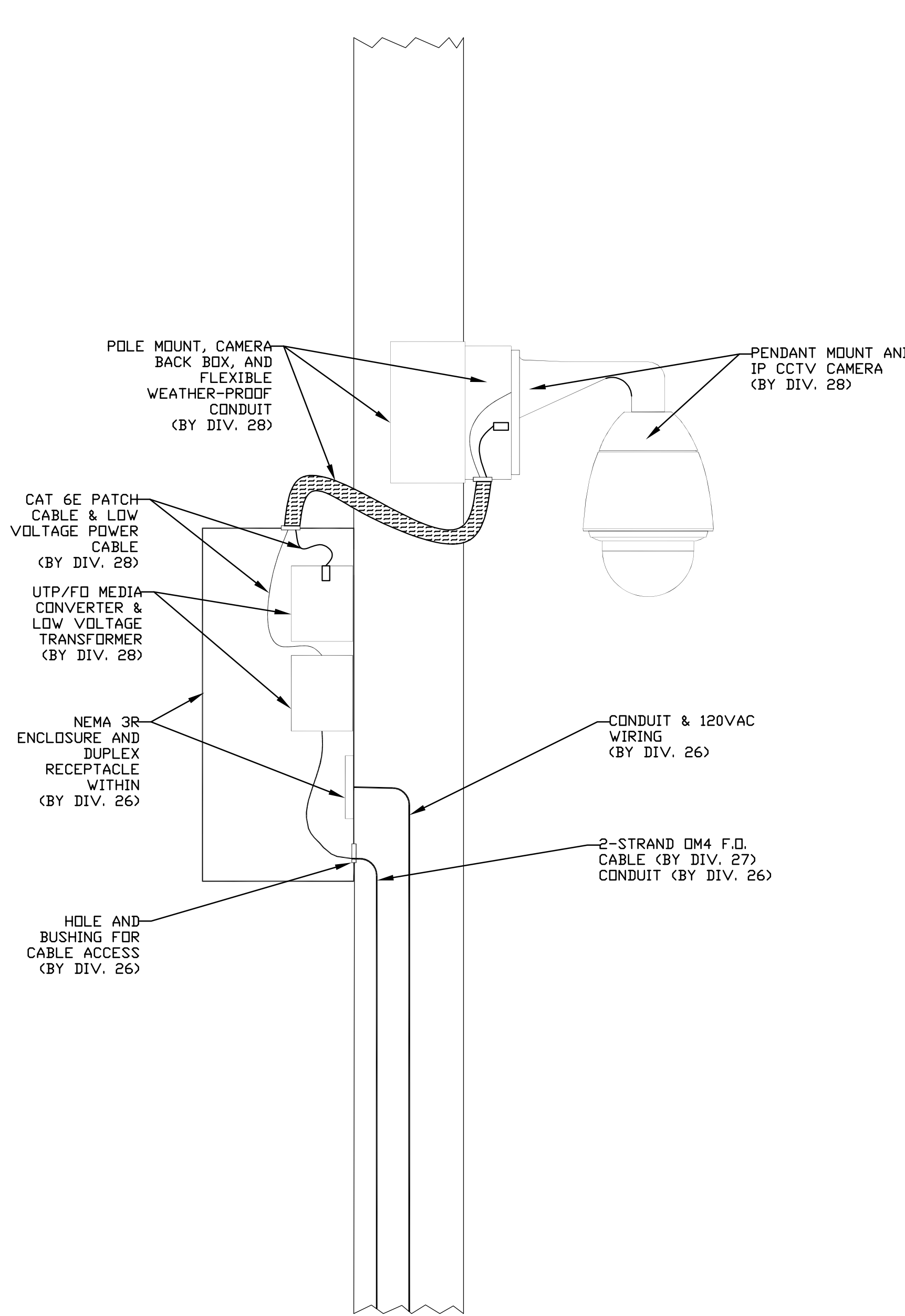
T2-4

GENERAL NOTES:

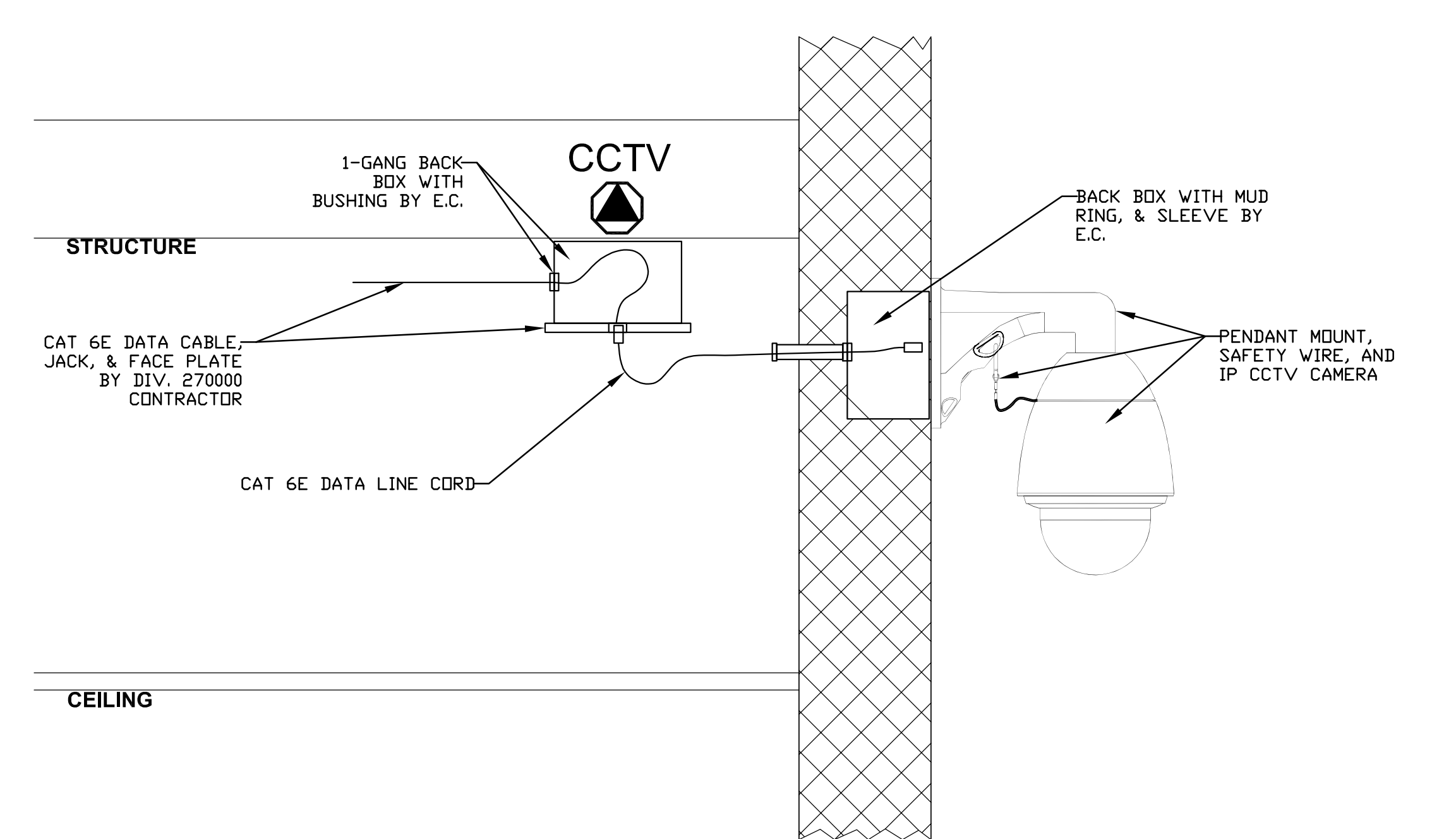
1. PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES.
2. DEVICES SHOWN ARE TYPICAL FOR DEVICES PROVIDED IN THE PROJECT. REFER TO "T" DRAWINGS FOR LOCATIONS AND QUANTITIES.
3. PROVIDE SETUP, TUNING, AND CONFIGURATION OF ALL SYSTEMS.
4. COORDINATE ALL PROGRAMMING WITH OWNER'S FACILITY AND I.T. STAFF.
5. CCTV SYSTEM AND ACCESS CONTROL DEVICES SHALL BE INTEGRATED WITH THE EXISTING DISTRICT ACCESS CONTROL AND VIDED MANAGEMENT SYSTEM.
6. INTRUSION ALARM HEAD-END PANEL SHALL PROVIDE DIAL-OUT TO MONITORING SERVICES COMPANY IN EVENT OF AN ALARM CONDITION. COORDINATE EXACT REQUIREMENTS WITH OWNER.
7. PROVIDE ALL LOW VOLTAGE CABLING TO INTERFACE DOOR HARDWARE TO THE ACCESS CONTROL SYSTEM.
8. PROVIDE ALL REQUIRED LOW VOLTAGE WIRING FOR ADA ACTUATORS AND OPERATORS AT LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS.
9. PROGRAM THE ACCESS CONTROL SYSTEM SO THAT ADA ACTUATORS ARE OPERABLE ONLY WHEN DOORS ARE UNLOCKED.
10. ELECTRICAL LOCKING HARDWARE AND ASSOCIATED POWER SUPPLIES SHALL BE PROVIDED BY DIVISION 8. REFER TO DOOR HARDWARE SCHEDULES.
11. COORDINATE ROUTING OF WIRING WITHIN DOOR FRAME WITH DIVISION 8.
12. 120VAC POWER SUPPLIES FOR ACCESS AND INTRUSION CONTROLLERS AND PANELS SHALL BE PROVIDED BY DIVISION 28 CONTRACTOR. UNITS SHALL BE UL LISTED, MANUFACTURED BY ALTRONIX OR APPROVED EQUAL.
13. REFER TO SPECIFICATIONS AND DRAWING T0-0-0 FOR ADDITIONAL EQUIPMENT AND SCOPE OF WORK INFORMATION



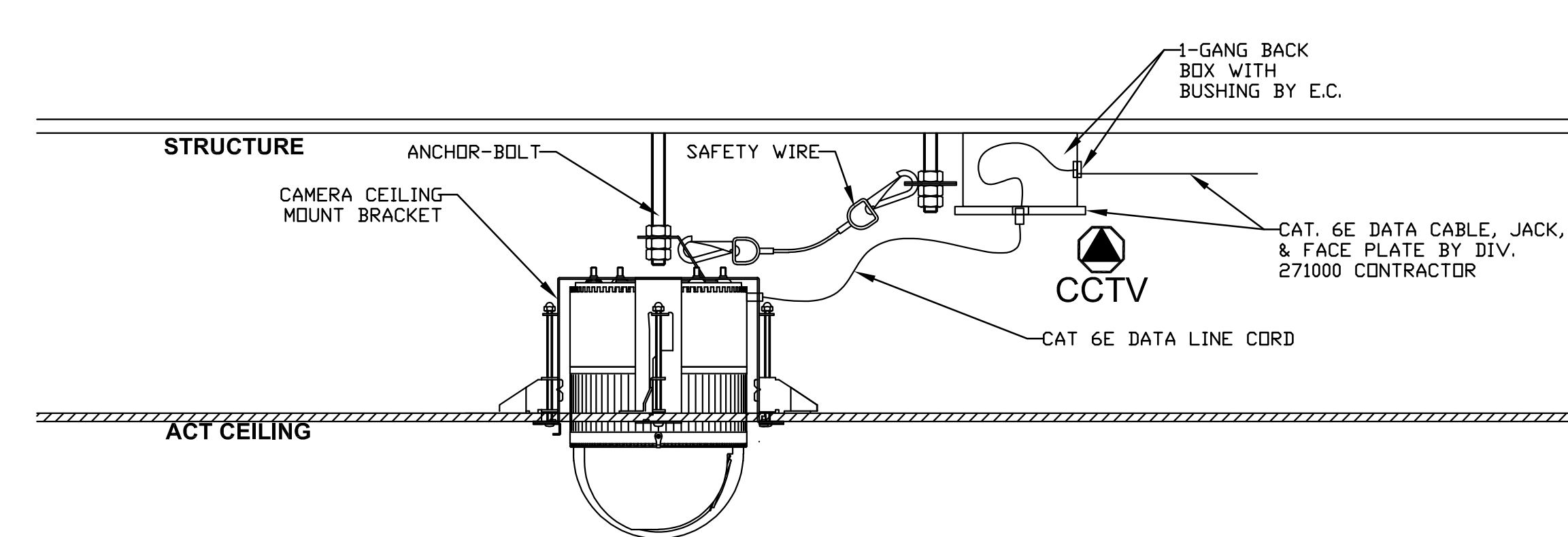
5 TYPICAL CEILING GDS DATA OUTLET DETAIL
SCALE: N.T.S.



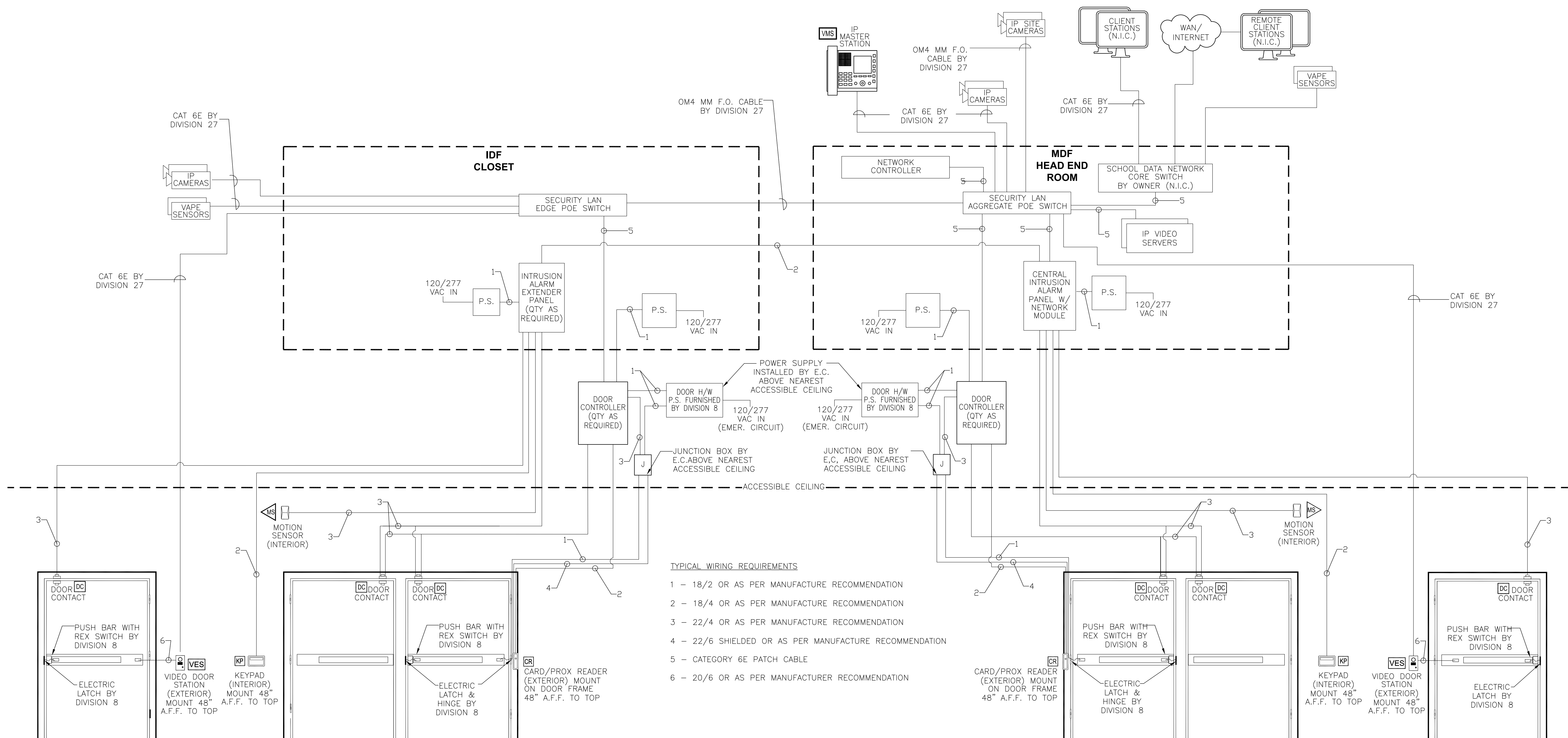
4 TYPICAL POLE MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



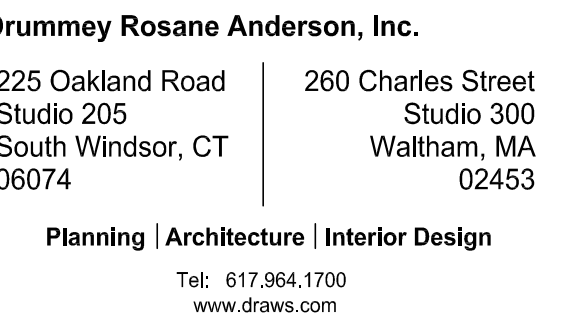
3 TYPICAL BUILDING EXTERIOR MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



2 TYPICAL CEILING MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



1 TYPICAL INTEGRATED ELECTRONIC SECURITY SYSTEM WIRING
SCALE: NONE

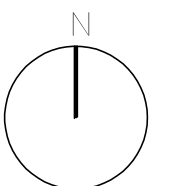


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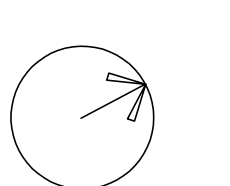


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: MLD/AMD

Date: 05/12/2023

TC-1-1



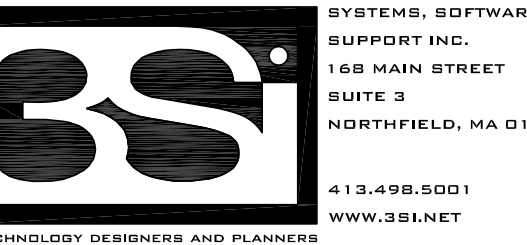
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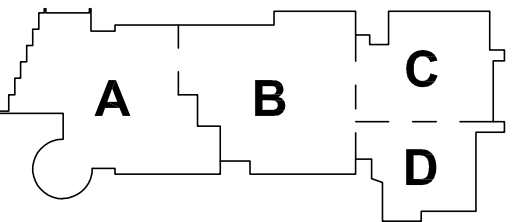
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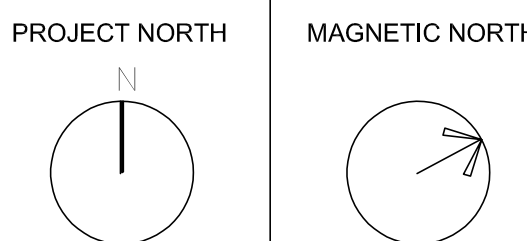


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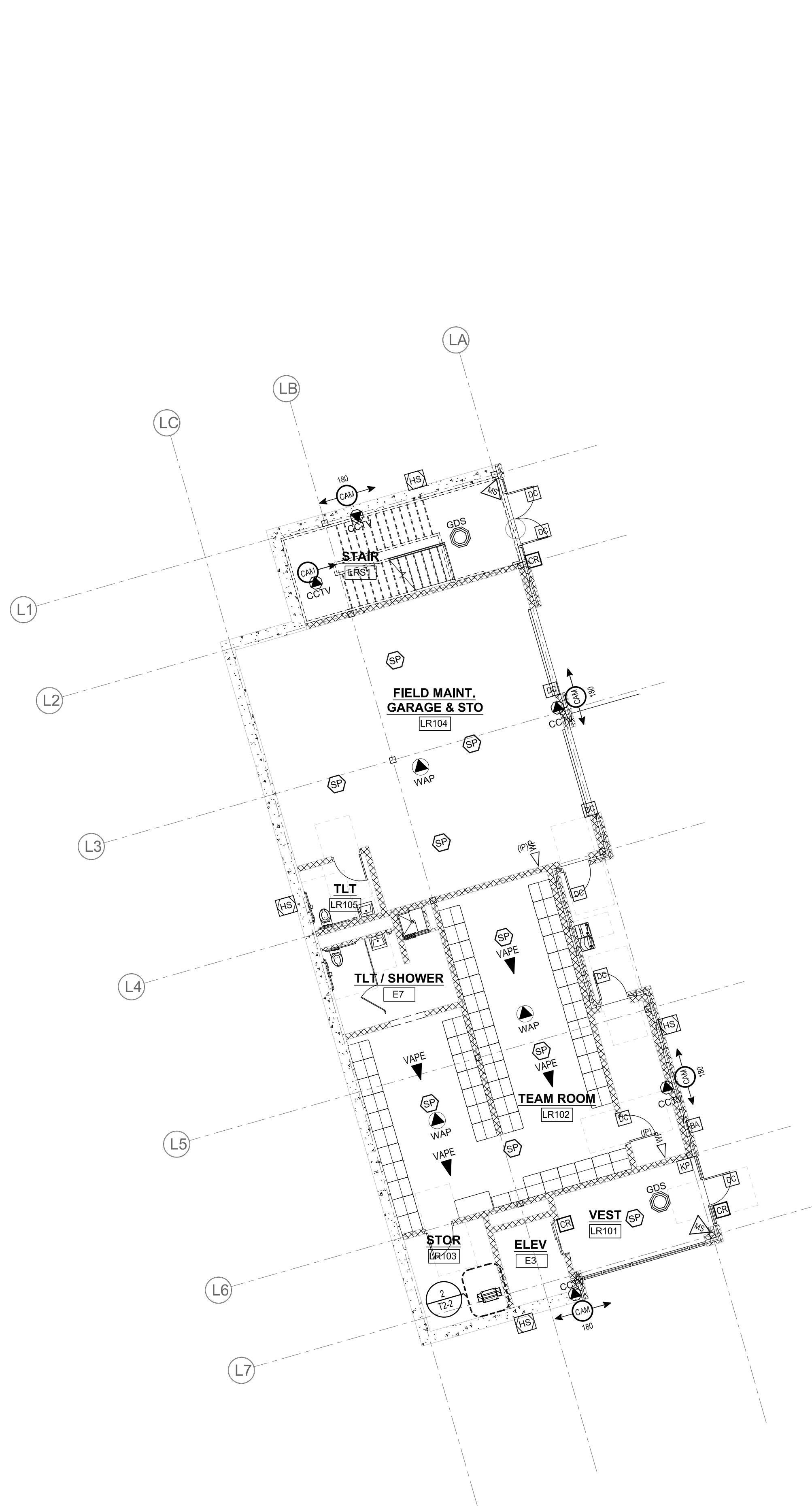
KEY PLAN



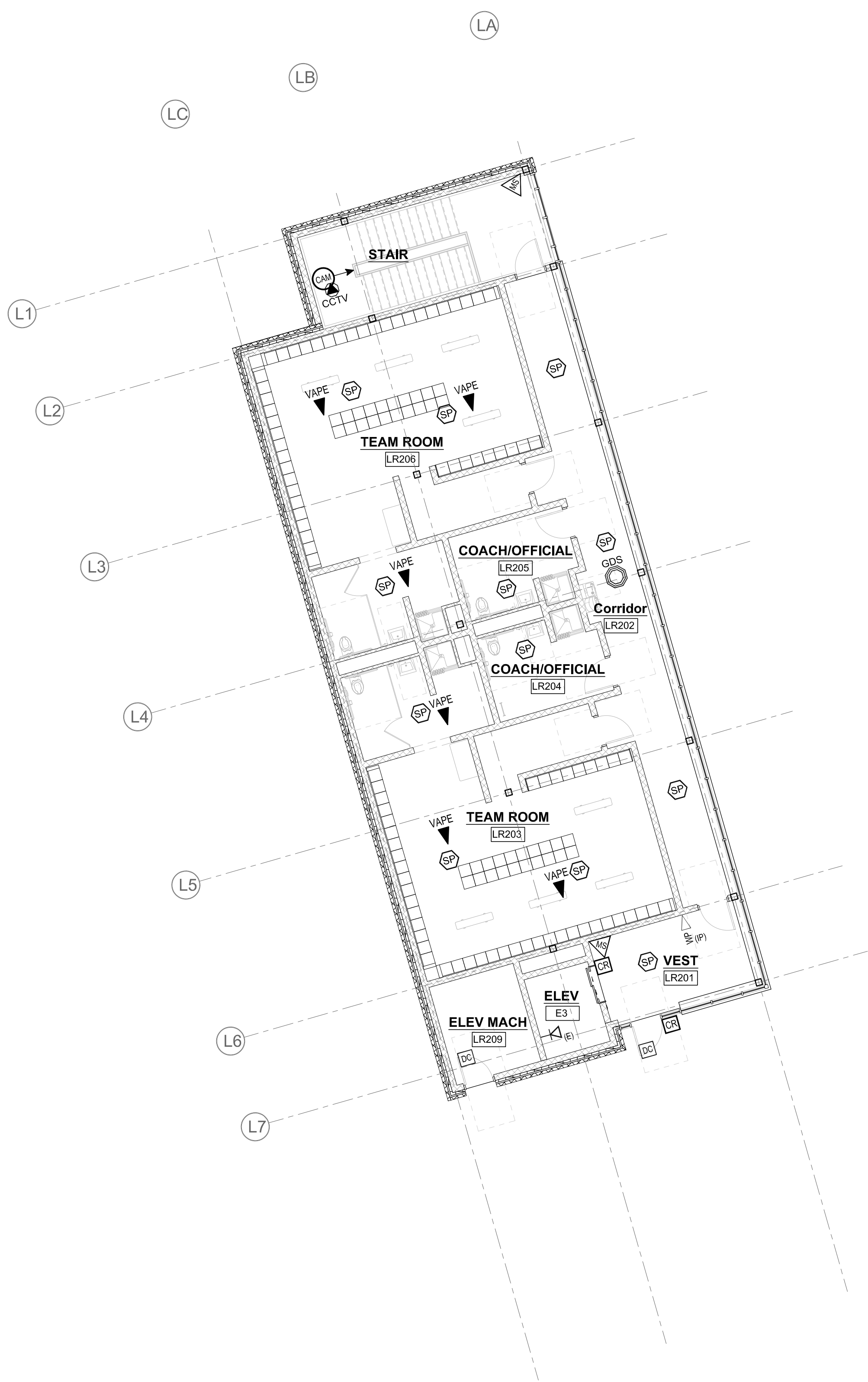
**ADD ALTERNATE
LOCKER BUILDING
TECHNOLOGY &
SECURITY PLAN**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 05/12/2023

TL-1-1



1 LOCKER BUILDING FIRST FLOOR PLAN
1/8" = 1'-0"



2 LOCKER BUILDING SECOND FLOOR PLAN
1/8" = 1'-0"