

LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS (CONTINUED)					
POWER REQUIRED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	TYPICAL LOCATION	BACK BOX	NOTES
NONE		BLUETOOTH PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT	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	18" A.F.F. OR AS NOTED	N/A	REFER TO NOTE 0
NONE		LOCAL AUDIO SYSTEM SUBWOOFER SPEAKER, SURFACE WALL MOUNTED 3/4" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" 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
120 VAC ONE DUPLEX		VIDEO PROJECTOR OUTLET: BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL EQUIPMENT RACK FOR AUDIOVISUAL CABLING.	AS NOTED	1-GANG	REFER TO NOTE 0
120 VAC ONE QUAD		LARGE VENUE VIDEO PROJECTOR: REFER TO SPECIFICATIONS FOR DETAILS.	AS NOTED	N/A	REFER TO NOTE 0

VIDEO SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	FACEPLATE	NOTES
120 VAC ONE 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 12-5, DETAIL 4		REFER TO NOTES A, N
120 VAC ONE 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, N
120 VAC ONE QUAD		DIGITAL SIGNAGE FLAT PANEL DISPLAY: 65" CLASS DIAGONAL, UNLESS OTHERWISE NOTED DIGITAL SIGNAGE FLAT PANEL DISPLAY.	REFER TO 12-3, DETAIL 4	N/A	REFER TO NOTES N

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, PSE, 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.	TWO GANG	REFER TO NOTE I
PoE		H.264 HD IP CCTV BULLET/BOX CAMERA WITH SUN SHADE AND IR COLOR, DAY/NIGHT, PSE, 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 NOTE I
PoE		H.264 HD 180° MULTI-LENS IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PSE, 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 NOTE I
PoE		H.264 HD 270° MULTI-SENSOR IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PSE, 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, G
PoE		H.264 HD 360° MULTI-SENSOR IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PSE, 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 NOTE I
LOC+RES+M		CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNTS: LOC = LOCATION E = EXTERIOR/OUTDOOR CAMERA I = INTERIOR/INDOOR CAMERA TYP = CAMERA TYPE B = DOME, MD = 3 OR 4 MULTI-SENSOR DOME, B = BULLET/BOX, FE = FISHEYE, PTZ = PAN/TILT/ZOOM RES = RESOLUTION 1, 2, 3, 5, 8, 9, 12, 15, 20, 24, OR 32 (MEGAPIXELS) MNT = CAMERA MOUNT CE = CEILING MOUNTED SW = SURFACE WALL MOUNTED PV = 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 – 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 PoE SWITCH.	48" A.F.F.	ONE GANG	REFER TO NOTES A, J
12/24 VAC		VES – 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 PoE SWITCH.	48" A.F.F.	ONE GANG	REFER TO NOTES A, J
120 VAC ONE DUPLEX		VMS – 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 PoE SWITCH.	18" A.F.F.	ONE GANG	REFER TO NOTES A, J

INTRUSION ALARM SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES
NONE		DC – DOOR CONTACTS, FLUSH MOUNTED: CABLING: #22 AWG 4-CONDUCTOR UNSHIELDED, OR AS PER MANUFACTURER RECOMMENDATION.	DOOR FRAME & DOOR	N/A CONDUIT TO DOOR FRAME	REFER TO NOTE K
NONE		MS – MOTION SENSOR: WALL MOUNTED TYPICAL CABLING: #22 AWG 4-CONDUCTOR, OR AS PER MANUFACTURER RECOMMENDATION. C-CEILING MOUNTED	MAX OF 98" A.F.F. OR 6" BELOW CEILING	N/A CONDUIT WITH BUSHING FLUSH TO WALL SURFACE	REFER TO NOTE K
NONE		MS LR – MOTION SENSOR WITH LONG RANGE LENS: WALL MOUNTED TYPICAL CABLING: #22 AWG 4-CONDUCTOR, OR AS PER MANUFACTURER RECOMMENDATION. C-CEILING MOUNTED	MAX OF 98" A.F.F. OR 6" BELOW CEILING	N/A CONDUIT WITH BUSHING FLUSH TO WALL SURFACE	REFER TO NOTE K
12/24 VDC		SA – SIREN FOR INTRUSION ALARM SYSTEM: CABLING: #22 AWG 4-CONDUCTOR SHIELDED CABLE, OR AS PER MANUFACTURER RECOMMENDATION. HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	98" A.F.F.	ONE GANG	REFER TO NOTE K
12/24 VDC		BA – BEACON FOR INTRUSION ALARM SYSTEM, BLUE: CABLING: #22 AWG 4-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: CABLING: #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		DR – PROXIMITY/CARD READER: CABLING: #22 AWG 4-CONDUCTOR SHIELDED, OR AS PER MANUFACTURER RECOMMENDATION. ELECTRONIC DOOR LATCH AND REQUEST TO EXIT 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
NONE		WS – WIRELESS BATTERY OPERATED DOOR CONTACT FOR DOOR CHIME SYSTEM.	ABOVE DOOR	N/A	REFER TO NOTES A, L
24VDC		OSB CHIME FOR DOOR CHIME SYSTEM.	ABOVE DOOR	N/A	REFER TO NOTES A, L

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 DRW SERIES AUDIOVISUAL SYSTEM EQUIPMENT WALL RACK	AS NOTED ON DRAWINGS	N/A	REFER TO NOTE 0
120 VAC QUAD DEDICATED		MIDDLE ATLANTIC WRK SERIES AUDIOVISUAL SYSTEM EQUIPMENT RACK	AS NOTED ON DRAWINGS	N/A	REFER TO NOTE 0

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 0
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 0
NONE		DANTE INPUT WALL PLATE: BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	98" A.F.F.	ONE GANG	REFER TO NOTE 0
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 1" 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

TELECOMMUNICATIONS WORK AREA OUTLET SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	TYPICAL FACEPLATE	NOTES
120 VAC ONE DUPLEX FOR EACH DATA DROP		DX – DATA OUTLET: RJ-45, 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 HANDESETS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT. (P) = VOIP PHONE HANDESET. (R, CNF) = VOIP CONNECTED PHONE.	18" A.F.F. OR AS NOTED		REFER TO NOTE A
120 VAC ONE DUPLEX (P) IS RECEPTACLE FOR COPIER		TD2 – 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. TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (F) = ONE (1) DEDICATED FAX LINE.	18" A.F.F. OR AS NOTED.		REFER TO NOTES A, B
NONE		VoIP WALL TELEPHONE OUTLET: ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (P) = 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 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: E = DEDICATED EMERGENCY ELEVATOR LINE, F = DEDICATED FAX LINE, M = DEDICATED POTS VOICE LINE.	18" A.F.F.		REFER TO NOTE B
NONE		DP1 – DOOR PHONE INTERCOM SIP DEVICE: ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (SIP) = 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: 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: 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 ("WET").	FLUSH WALL REFER TO ARCH. DETAILS 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 PoE SWITCHES. COORDINATE EXACT LOCATIONS 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 PoE SWITCHES. COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH SECURITY CONTRACTOR AND ARCHITECT PRIOR TO ALL WORK.	ON WALL, COORDINATE LOCATION AND ELEVATION PRIOR TO INSTALLATION		REFER TO NOTES A, I
REFER TO ELEC. DRAWINGS OR 120 VAC REQUIRED		SX – BUILDING SYSTEMS DATA OUTLET: RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO SEPARATE SECURITY/BUILDING SYSTEMS DATA PATCH PANEL IN THE NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PoE SWITCHES. X = NUMBER OF DATA JACKS – (1, 2, 3, 4, 5, 6).	COORDINATE WITH E.C. AND/OR HVAC CONTRACTOR		REFER TO NOTE A
PoE		WPE – DATA OUTLET FOR WIPE DETECTORS: TWO (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 PoE SWITCHES FOR BUILDING SYSTEMS.	ABOVE CEILING		REFER TO NOTES A, H

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 WRENCHMOUNT RFB SERIES, OR EQUAL FLOOR BOX. REFER TO ELECTRICAL SPECIFICATIONS. TELECOMMUNICATIONS OUTLET TYPES AS INDICATED BY TELECOMMUNICATION SYMBOLS.	IN FLOOR	N/A	N/A
120 VAC QUAD		INDICATES TELECOMMUNICATIONS POKE-THRU DEVICE: WRENCHMOUNT RFB SERIES, HUBBELL SYSTEM ONE SERIES, OR EQUAL. REFER TO ELECTRICAL SPECIFICATIONS. POKE-THRU DEVICE PROVIDED BY E.C.	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, AMETEK HUNTER SPRING DURAREEL OR APPROVED EQUAL.	ON CEILING	N/A	N/A
120 VAC QUAD		INDICATES EMPTY BACK BOX: BACK BOX, PATHWAY, AND BLANK FACE PLATE PROVIDED BY E.C. CABLING PROVIDED BY OWNER UNDER SEPARATE CONTRACT (N.I.C.).	AS NOTED IN DRAWINGS	ONE GANG	N/A
NONE		WE – ENCLOSURE FOR WIRELESS ACCESS POINT: NON-METALLIC ENCLOSURE WITH CLEAR COVER TO HOUSE WIRELESS ACCESS POINT. INSTALL ENCLOSURE DIRECTLY OVER WIRELESS ACCESS POINT (WAP) OUTLET. WP = WEATHER PROOF ENCLOSURE. WIRELESS ACCESS POINT DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	ON WALL MOUNTED OVER "WAP" OUTLET. REFER TO DWG. NOTES FOR HEIGHT.	N/A	REFER TO NOTES A, H

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 MS – 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

CLASSROOM SPEECH REINFORCEMENT SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	BACK BOX / FACEPLATE	NOTES
120 VAC HARD WIRED		SFR/SP – SPEECH REINFORCEMENT SYSTEM: WIRELESS CLASSROOM SPEECH REINFORCEMENT SYSTEM CEILING PANEL WITH RECEIVER, AMPLIFIER, AND SPEAKERS.	ON CEILING	N/A	REFER TO NOTE D

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)	98" A.F.F.	N/A	REFER TO NOTE E

LOCAL INSTRUCTIONAL AUDIOVISUAL PRESENTATION CABLING SYSTEM SYMBOLS					
POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	FACEPLATE	NOTES
120 VAC ONE DUPLEX		VPH – HIGH VIDEO PRESENTATION OUTLET FOR INTERACTIVE FLAT PANEL DISPLAY: TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR WITH CAT. 6E CABLE HOME RUN TO RJ-45 CONNECTOR IN ASSOCIATED VPH OUTLET. ONE (1) HDMI CONNECTOR WITH HIGH PERFORMANCE CABLE TO ASSOCIATED HDMI CONNECTOR IN ASSOCIATED VPH OUTLET.	REFER TO ARCH. DETAILS AND DRAWING 12-5, DETAIL 2		REFER TO NOTES A, F, N
120 VAC ONE DUPLEX		VPL – LOW VIDEO PRESENTATION OUTLET FOR INTERACTIVE FLAT PANEL DISPLAY: ONE (1) HDMI CONNECTOR WITH HIGH PERFORMANCE HDMI CABLE TO ASSOCIATED HDMI CONNECTOR IN ASSOCIATED VPL OUTLET. ONE (1) 3.5MM AUDIO CONNECTOR FOR SOUND CABLED TO 3.5MM CONNECTOR IN ASSOCIATED VPL OUTLET.	18" A.F.F.		REFER TO NOTE F

GENERAL NOTES		APPLIES TO ALL TECHNOLOGY DRAWINGS
1.	ALL DESCRIPTIONS AND NOTES ON THE TECHNOLOGY DRAWINGS AND IN THE SPECIFICATIONS RELATING TO ELECTRICAL ITEMS ARE FOR REFERENCE PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.	
2.	IT IS NOT THE INTENTION TO SHOW EVERY TELECOMMUNICATION DETAIL: FITTING, HANGER, PATHWAY OR DEVICE. ALL SUCH ITEMS SHALL BE FURNISHED AND INSTALLED AS NECESSARY FOR A COMPLETE SYSTEM.	
3.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.	
4.	TELECOMMUNICATIONS OUTLETS ARE NOT TO BE INSTALLED BACK-TO-BACK IN DEMISING WALLS. SPACE BACK BOXES ONE STUD BAY APART.	
5.	FIELD VERIFY EXACT LOCATIONS FOR ALL TELECOMMUNICATION DEVICES.	
6.	ALL SERVICE ENTRANCE CONDUITS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.	
7.	COORDINATE ALL WORK WITH THE ELECTRICAL CONTRACTOR AND ALL TRADES AFFECTED BY THE WORK.	

SCOPE OF WORK NOTES

NOTE A: DATA/IP NETWORK SYSTEM

THE COMMUNICATIONS DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING INCLUDING CAT 6E UTP CABLE, FIBER OPTIC CABLE, DEVICE BRACKETS, CONNECTORS, FACEPLATES, TERMINATION MATERIALS, AND EQUIPMENT RACKS AND ENCLOSURE CABINETS FOR A PHYSICALLY SEPARATE TECHNOLOGY DATA NETWORK AND A SEPARATE SECURITY/BUILDING SYSTEMS DATA NETWORK.

THE TECHNOLOGY DATA NETWORK SHALL BE A COMPLETELY SEPARATE PHYSICAL DATA NETWORK FOR ALL DATA AND IPTV SYSTEM EQUIPMENT OUTLETS. TECHNOLOGY DATA CABLES ARE TO BE TERMINATED ON SEPARATE TECHNOLOGY DATA PATCH PANELS.

THE SECURITY/BUILDING SYSTEMS NETWORK SHALL BE A COMPLETELY SEPARATE PHYSICAL IP NETWORK FOR SECURITY AND BUILDING SYSTEMS CONNECTED DEVICES INCLUDING CCTV IP CAMERAS, SECURITY AND ACCESS CONTROL IP DEVICES, AND BUILDING SYSTEMS ELECTRICAL AND HVAC IP BASED EQUIPMENT. SECURITY AND BUILDING SYSTEMS DATA CAT 6E CABLES ARE TO BE TERMINATED ON SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANELS.

THE ELECTRICAL CONTRACTOR FOR THE PROJECT SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, FULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD BACKSIZES FOR TERMINATION FIELDS.

NOTE B: VOICE SYSTEM

THE COMMUNICATIONS DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING INCLUDING RISER CABLE AND CROSS CONNECTIONS, DEVICE BRACKETS, CONNECTORS, FACEPLATES, AND TERMINATIONS FOR DEDICATED VOICE (POTS) LINES. UTP CABLES FOR POTS LINES ARE TO BE TERMINATED ON SEPARATE VOICE (POTS) PATCH PANELS.

UTP CABLES FOR VOICE OVER IP (VOIP) LOCATIONS ARE TO BE TERMINATED ON DATA PATCH PANELS. ALL VOICE OVER IP EQUIPMENT INCLUDING HANDESETS WILL BE PROVIDED BY THE OWNER UNDER SEPARATE CONTRACT.

THE COMMUNICATIONS DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING TO INTERFACE THE VOICE OVER IP SYSTEM TO THE PA/INTERCOM SYSTEM.

THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL SERVICE AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, FULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD BACKSIZES FOR TERMINATION FIELDS.

NOTE C: PUBLIC ADDRESS / INTERCOM SYSTEM



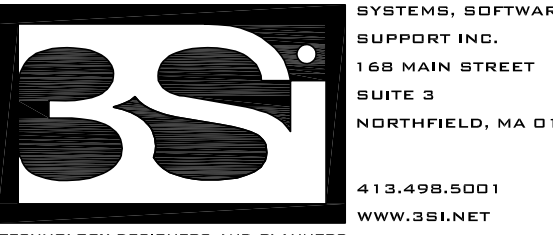
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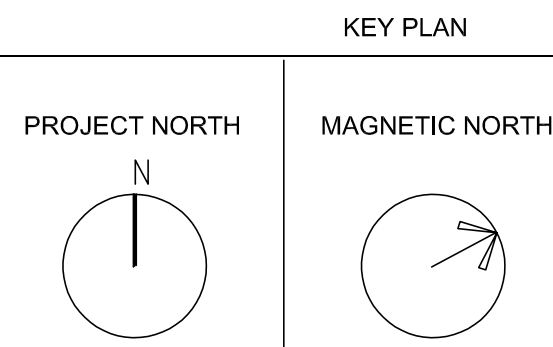
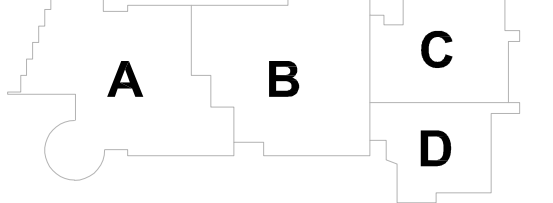
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TECHNOLOGY AND SECURITY SITE PLAN

Scale: 1" = 80'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 01/13/2023

T0-0-1

SCOPE OF WORK NOTES

REFER TO EXXXX ELECTRICAL SITE PLAN AND ELECTRICAL DETAILS.

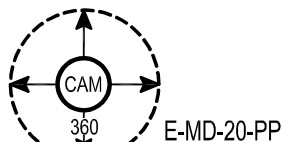
1. ALL FIBER CABLING SHALL BE PROVIDED BY THE COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR. ALL FIBER CABLING SHALL BE OM4.
2. ALL NEMA ENCLOSURES/BOXES, CONDUITS AND PATHWAYS FOR FIBER CABLE AND 120VAC WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
3. 120 VOLTAGE ELECTRICAL SERVICE AND 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.O.
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.

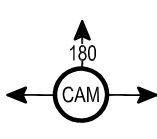
CCTV CAMERA SYMBOLS

PROVIDE CAMERAS AND ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES

- E-9-5-PP
H.264 HD BULLET CAMERA MOUNTED ON LIGHT POLES, TYPICAL.
- E = EXTERIOR, ALL WEATHER
- 9 = BULLET (BOX) CAMERA WITH IR
- 5 = RESOLUTION 5.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT



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



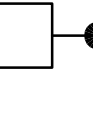
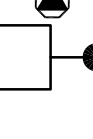
- E-3-15-PP
H.264 HD DOME CAMERA WITH THREE LENS MOUNTED ON LIGHT POLE, TYPICAL.
- E = EXTERIOR, ALL WEATHER
- 3 = 3X3 MULTIVIEW SENSOR DOME CAMERA WITH IR
- 15 = RESOLUTION (3) 5.0, 15.0 MEGAPIXEL
- PP = PENDANT POLE MOUNT
- SW = SURFACE MOUNT

FIBER SYMBOLS

SYMBOL DESCRIPTION

- CCTV
- CCTV CAMERA: ONE CAT 6E CABLE

- CCTV
F.O.
- CCTV CAMERA: 2-STRAND OM4 FIBER CABLE



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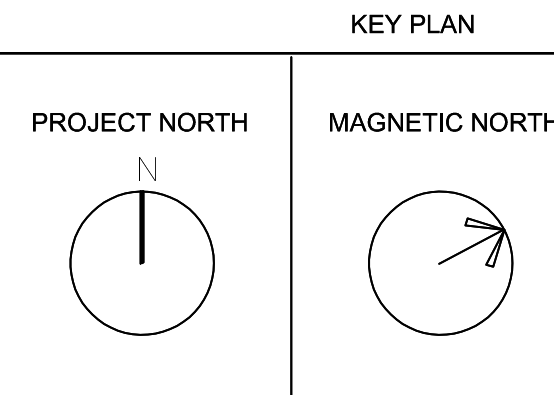
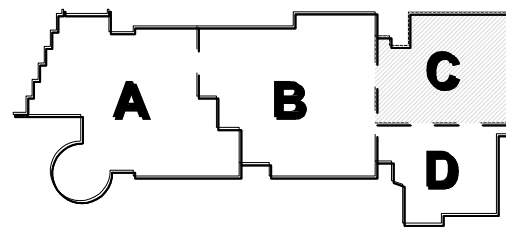
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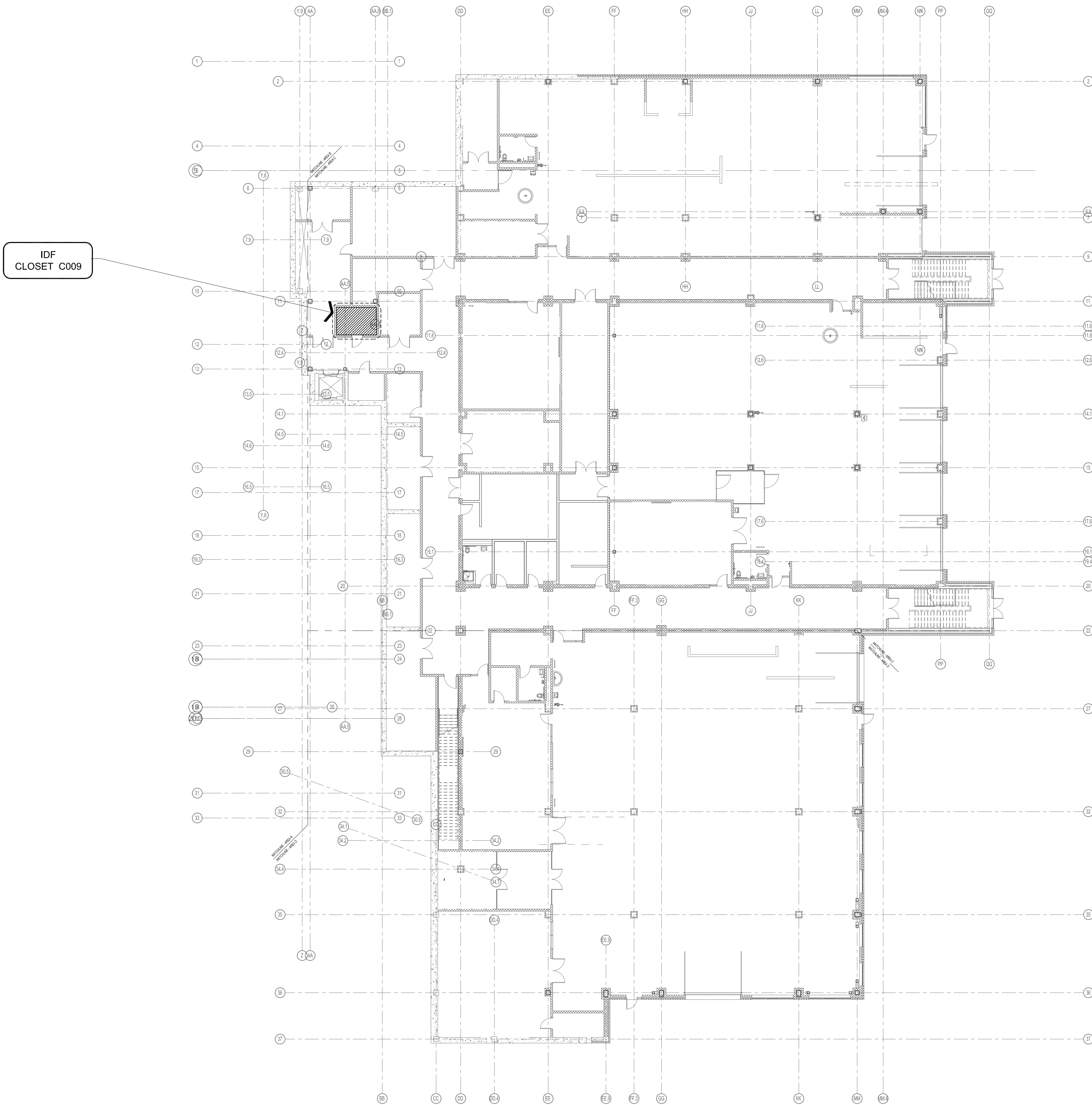
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LOWER LEVEL
TECHNOLOGY
CABLE ROUTING

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Drawn By: MLD/AMD
Date: 01/13/2023
T1-1-0

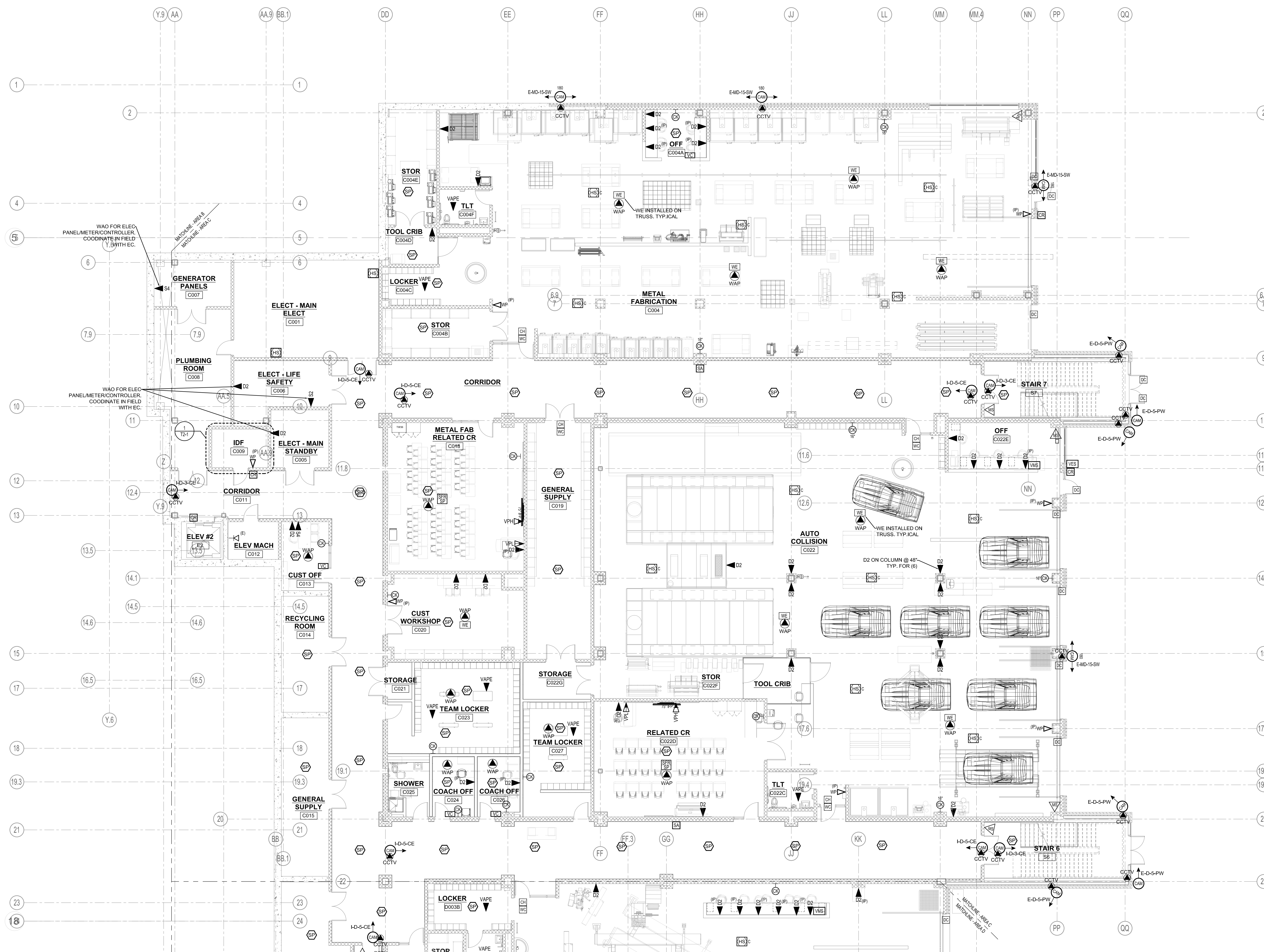
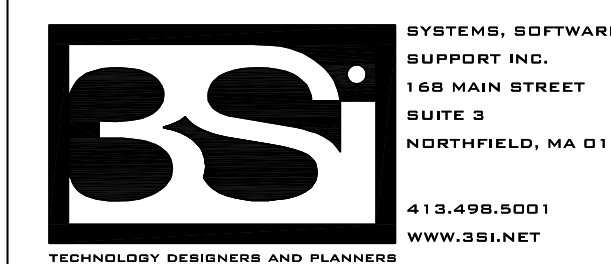


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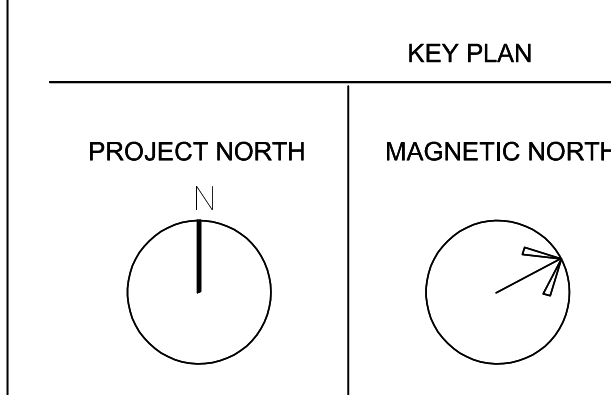
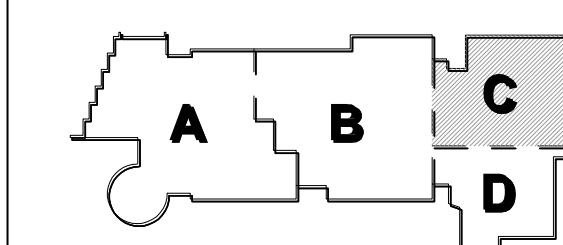
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1 LOWER LEVEL - AREA C
1/8" = 1'-0"

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LOWER LEVEL
TECHNOLOGY
AND SECURITY
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

T1-1-0C

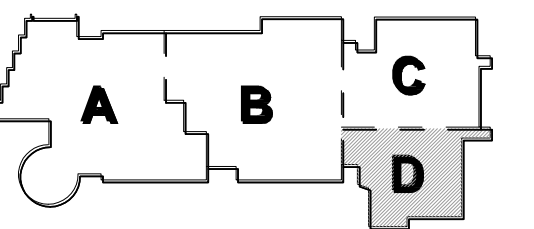


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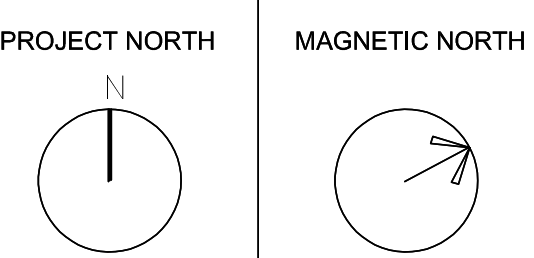
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KEY PLAN



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

Date: 1/8" = 1'-0"
 No.: 20202
 Drawn By: MLD/AMD
 Date: 01/13/2023

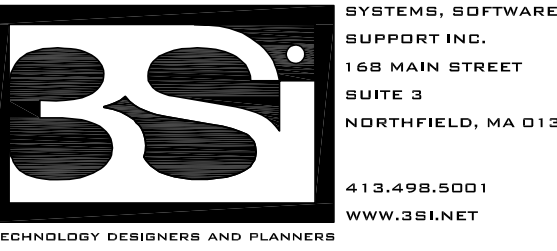
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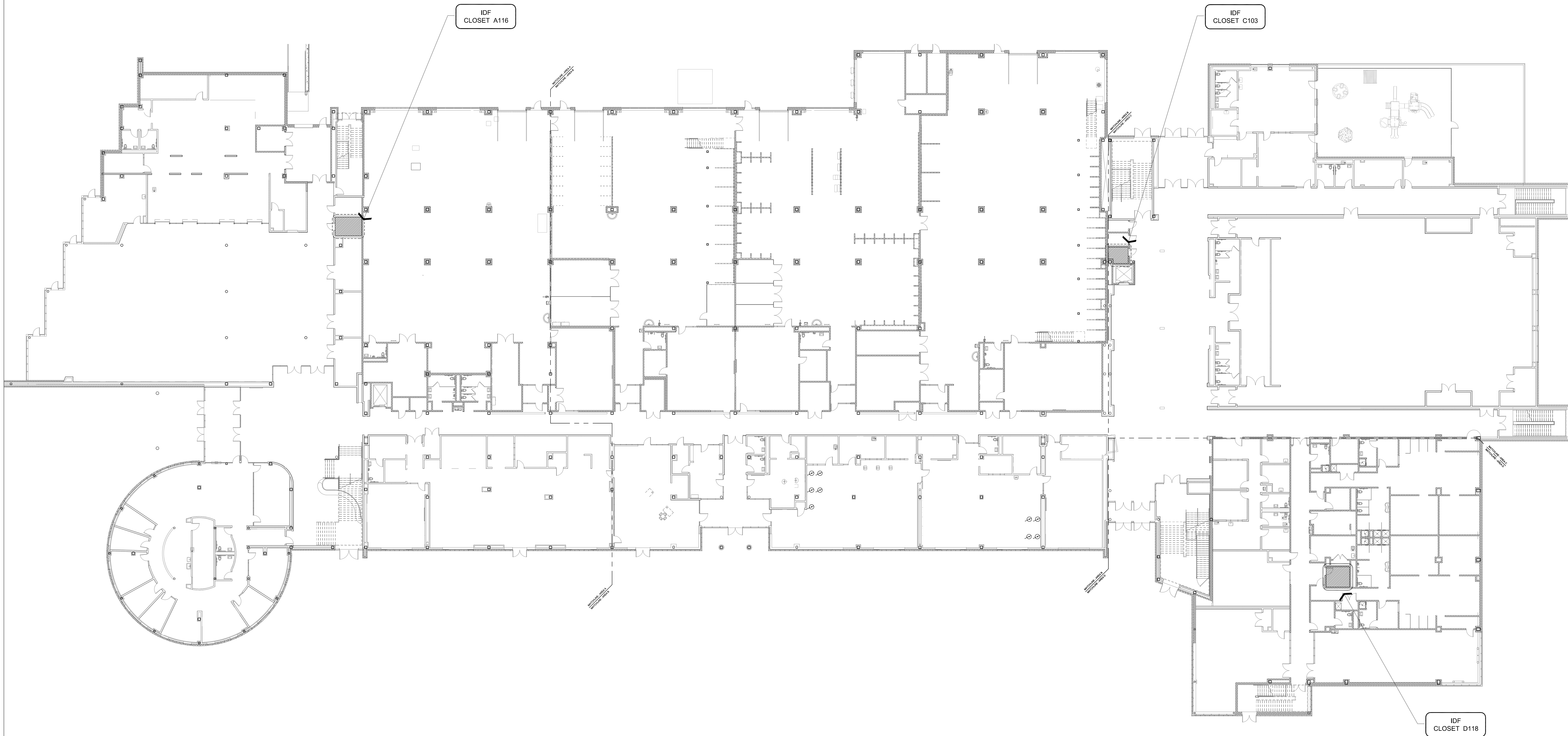
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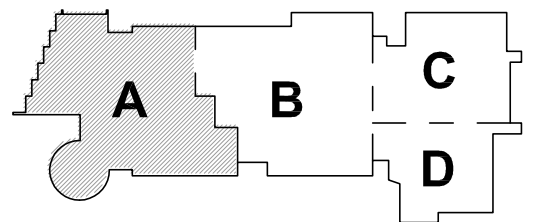
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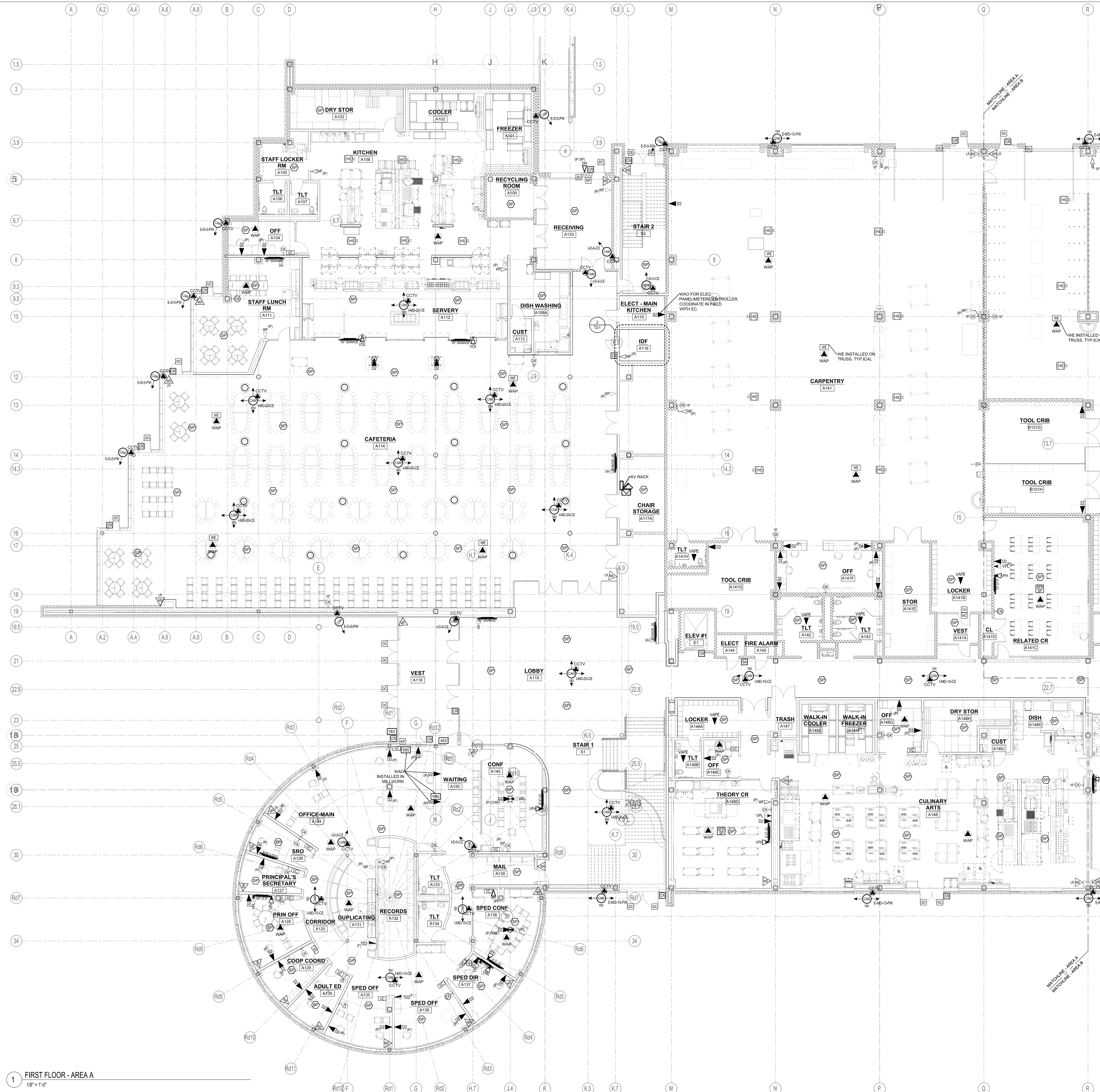
PROJECT NORTH

MAGNETIC NORTH

FIRST FLOOR
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

T1-1-1



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



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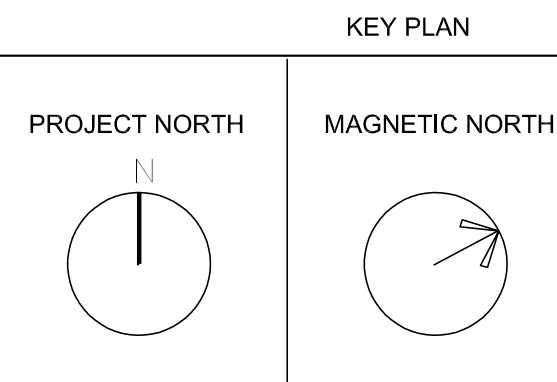
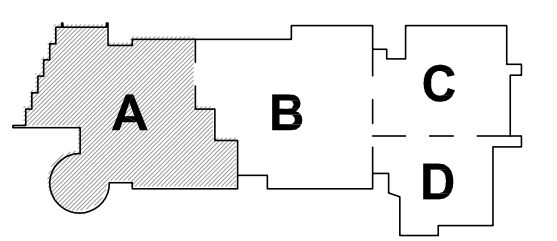
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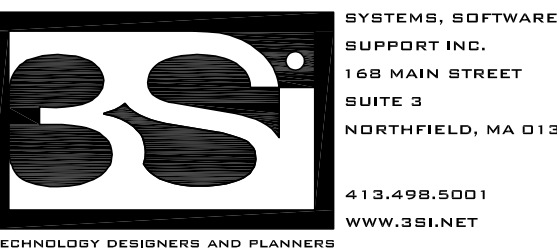
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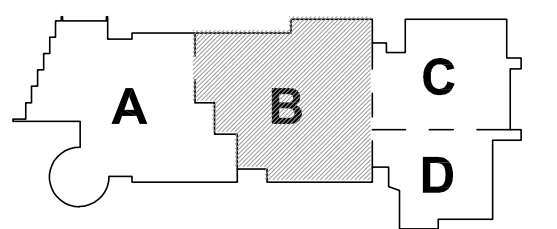
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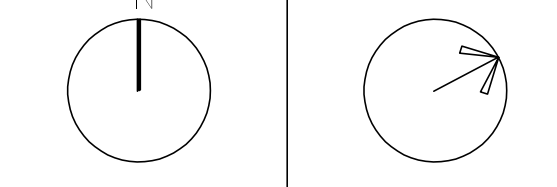
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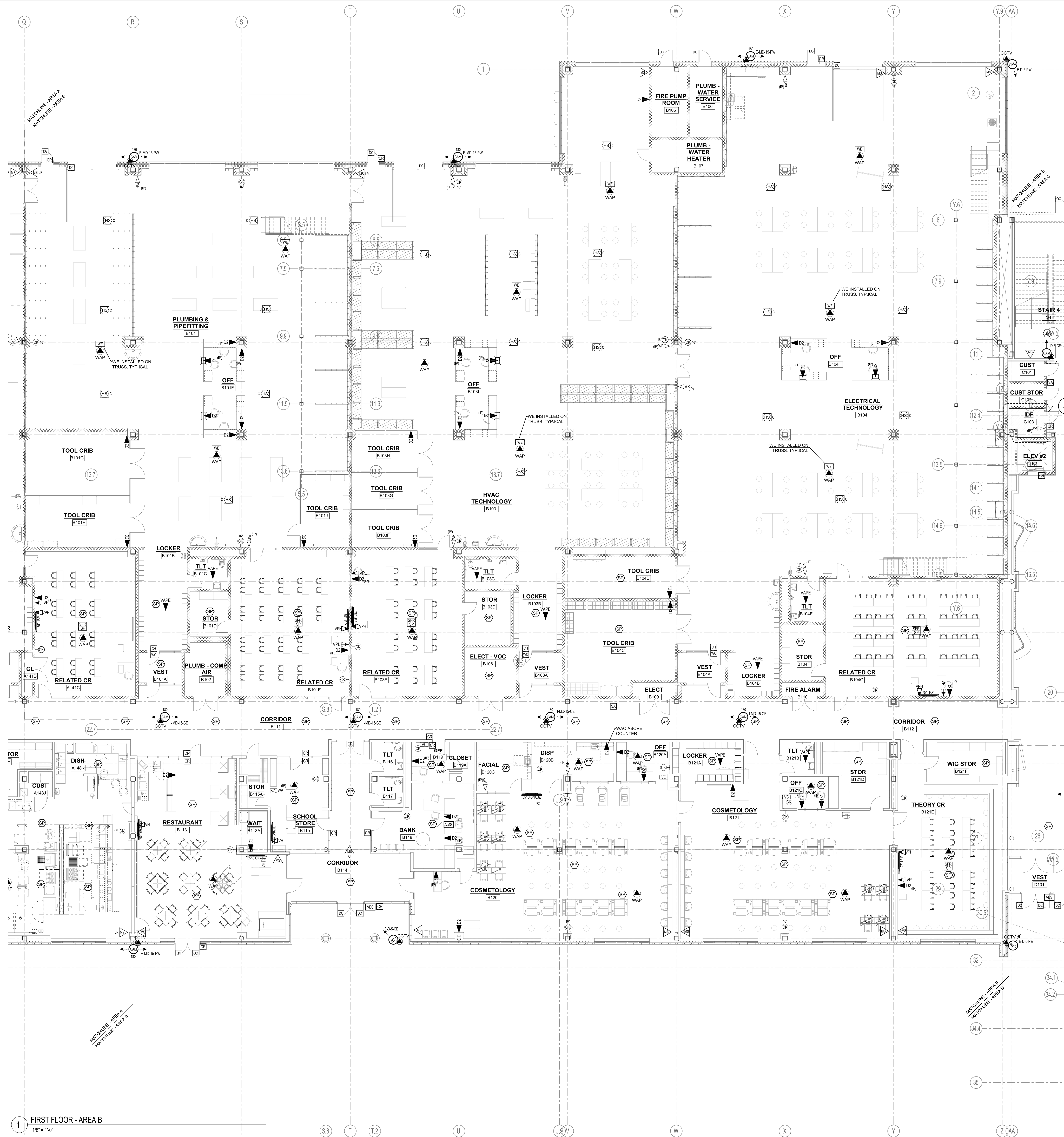
KEY PLAN

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: 01/13/2023
T1-1-1B



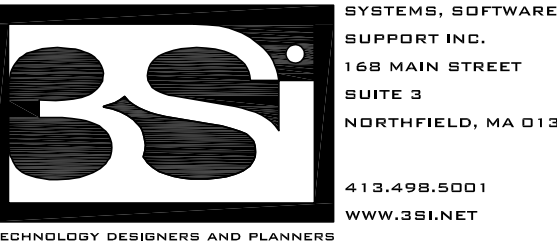
1 FIRST FLOOR - AREA B
1/8" = 1'-0"



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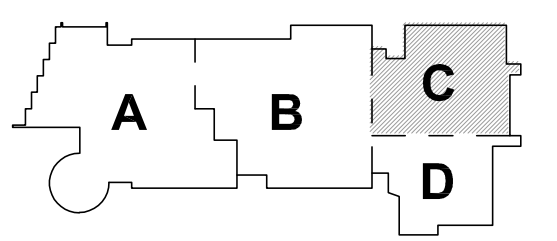
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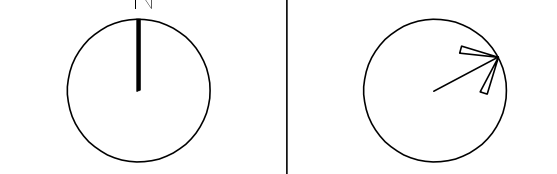
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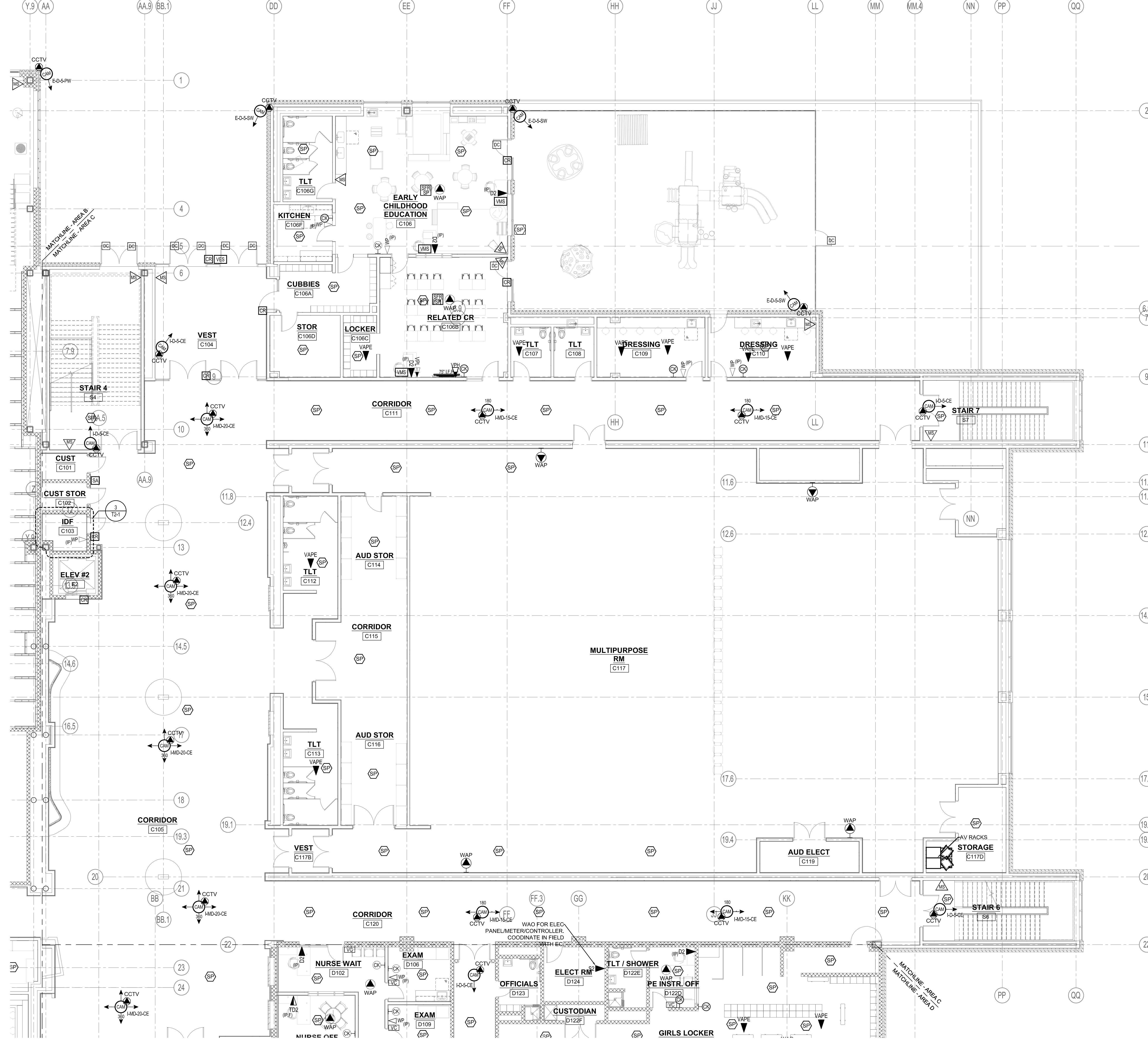
PROJECT NORTH
MAGNETIC NORTH



FIRST FLOOR TECHNOLOGY AND SECURITY PLAN - AREA C

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Job No.: 20202
Drawn By: MLD/AMD
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1 FIRST FLOOR - AREA C
1/8" = 1'-0"

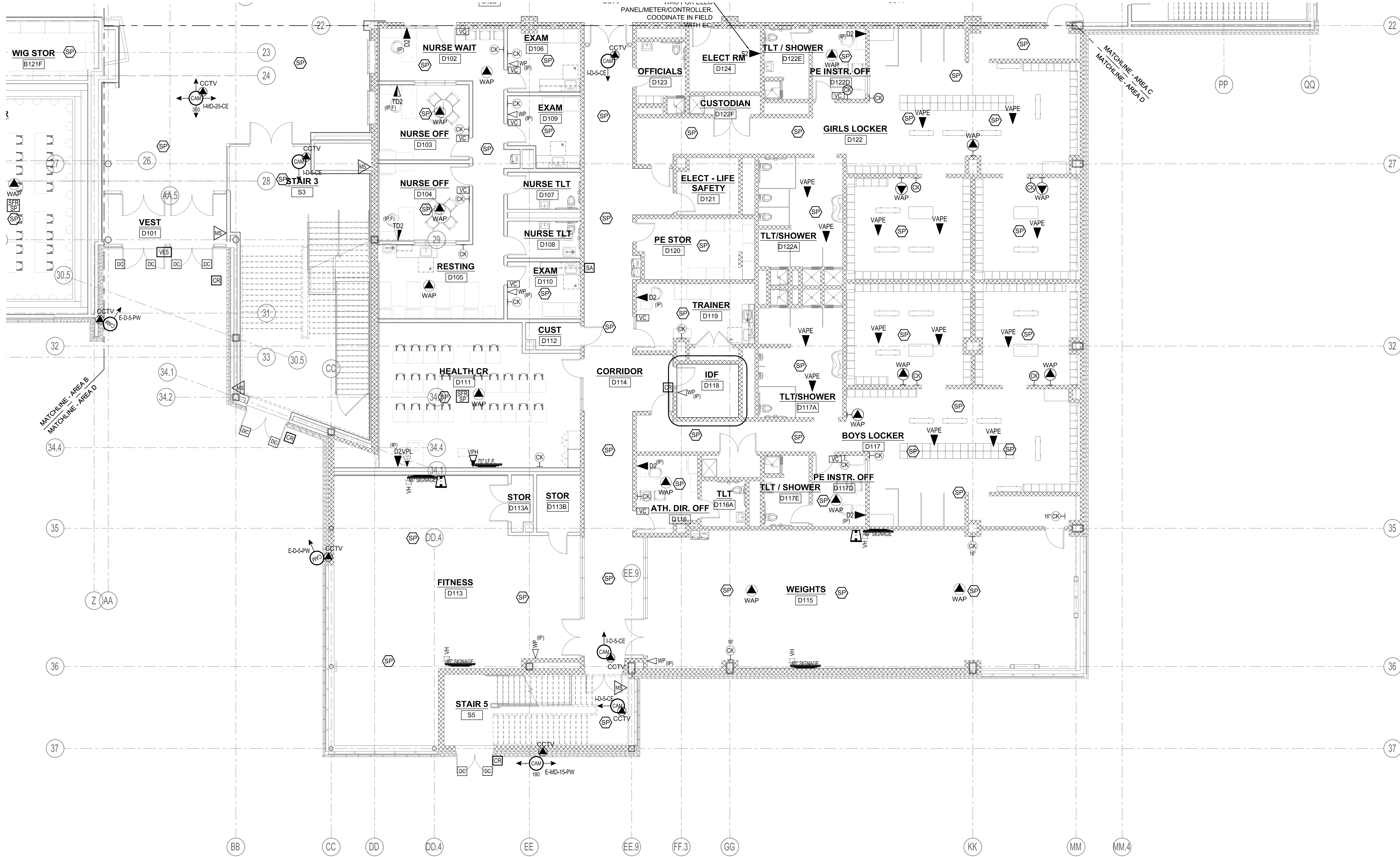
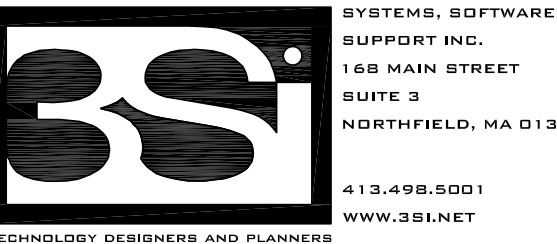




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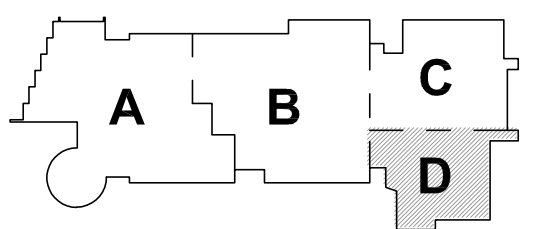
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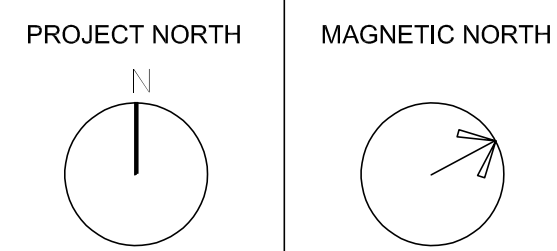
1 FIRST FLOOR - AREA D
1/8" = 1'-0"

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**FIRST FLOOR
TECHNOLOGY
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PLAN - AREA D**

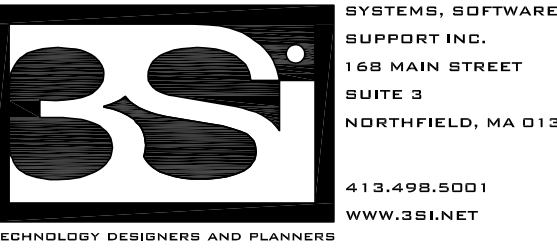
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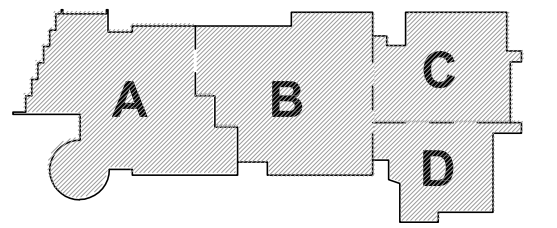
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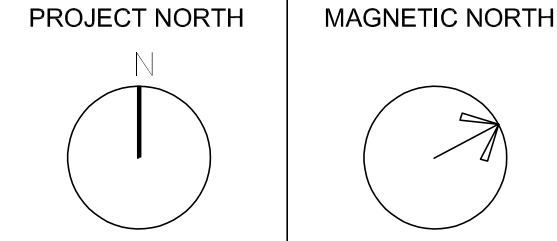
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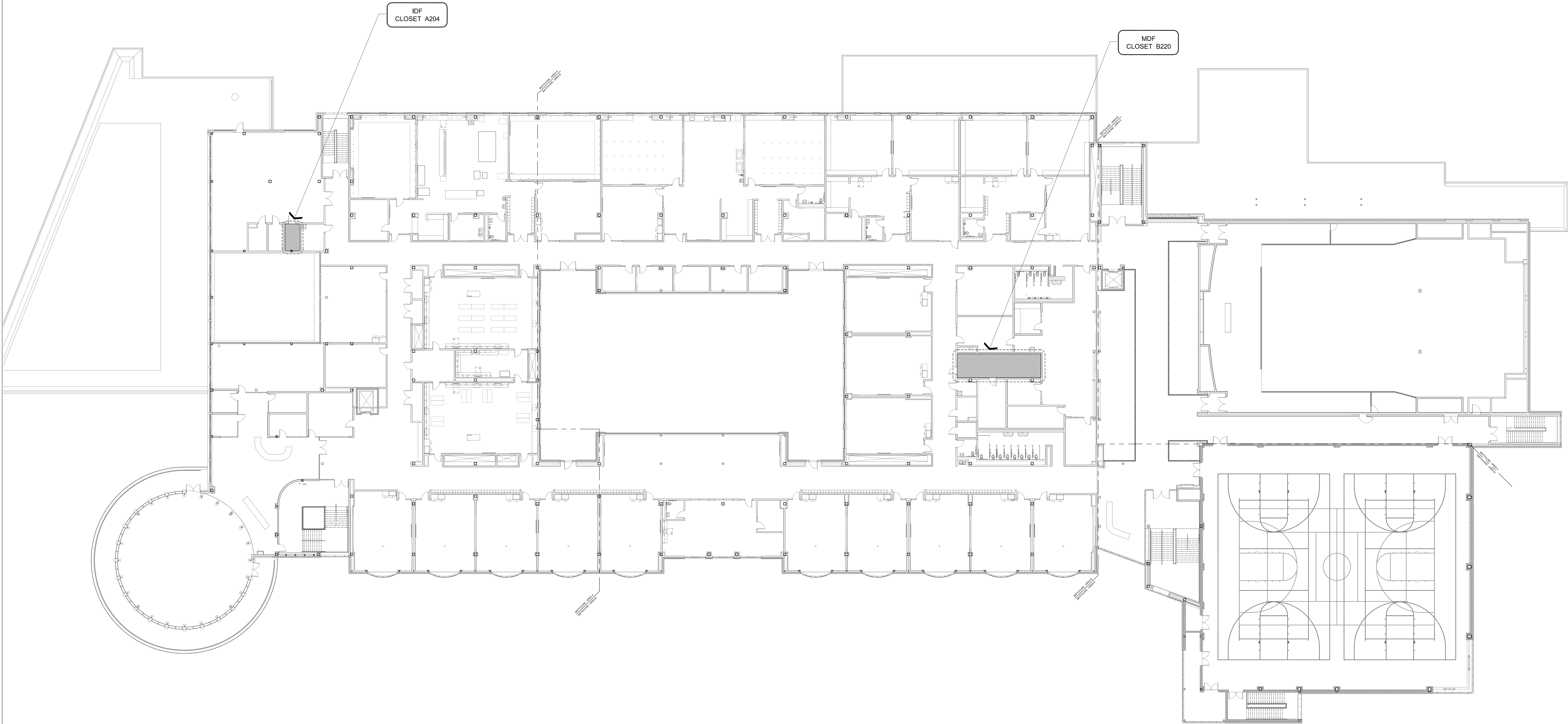


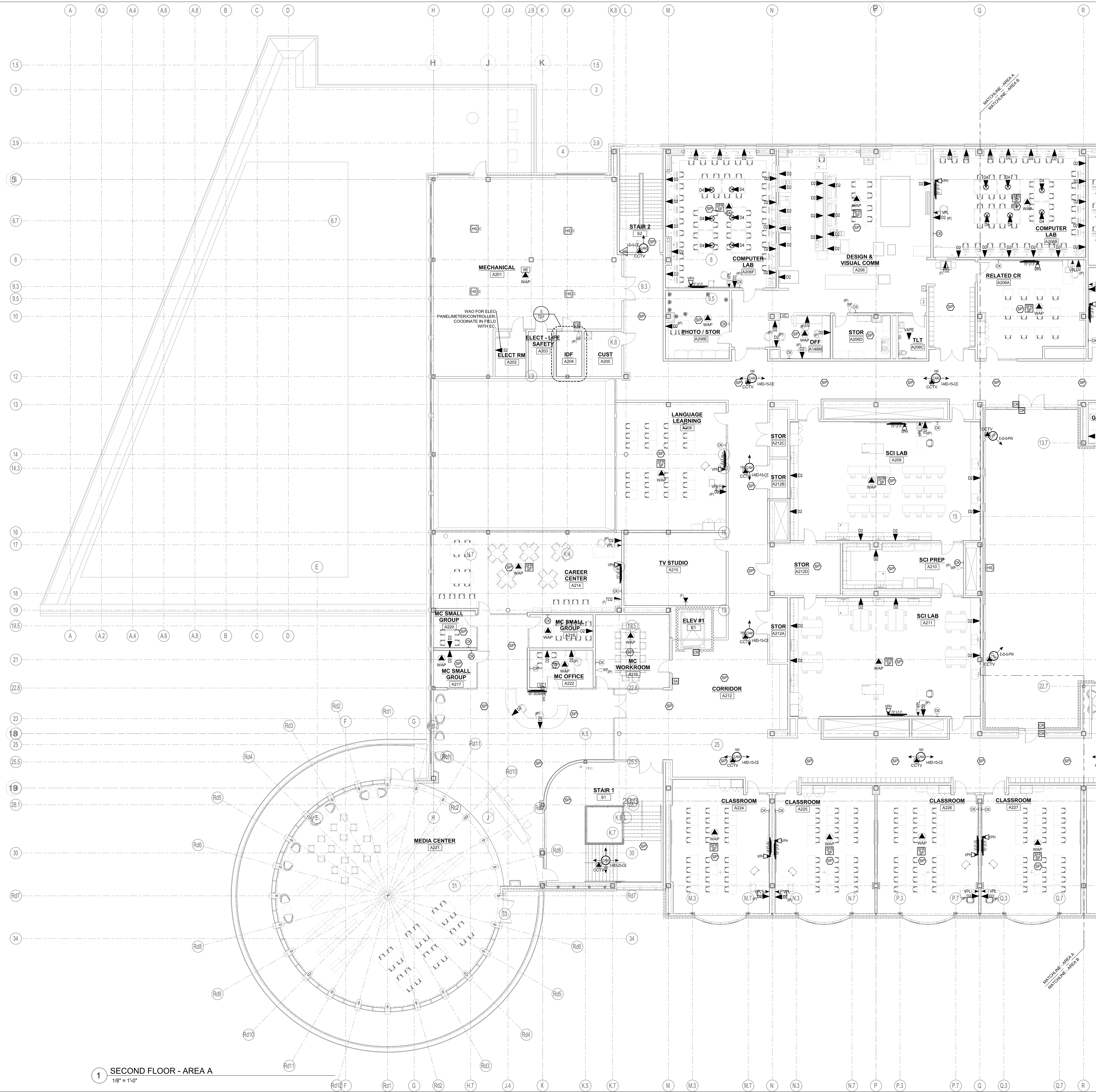
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**SECOND FLOOR
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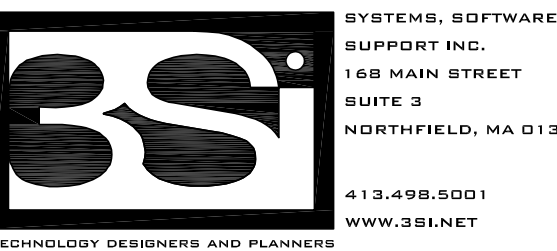
1 SECOND FLOOR - AREA A
1/8" = 1'-0"



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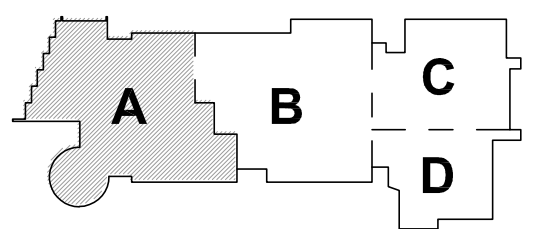
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MAGNETIC NORTH



SECOND FLOOR
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PLAN - AREA A

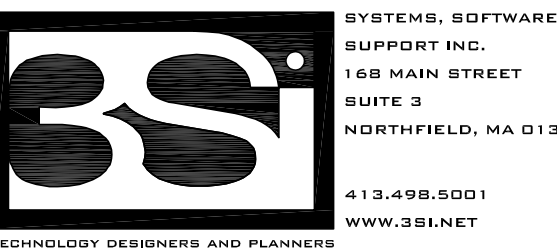
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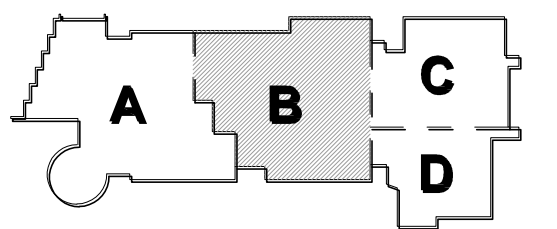
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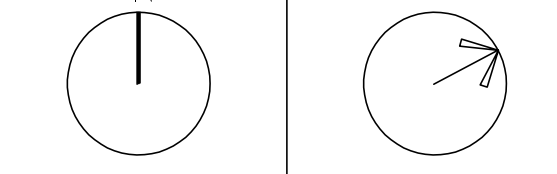
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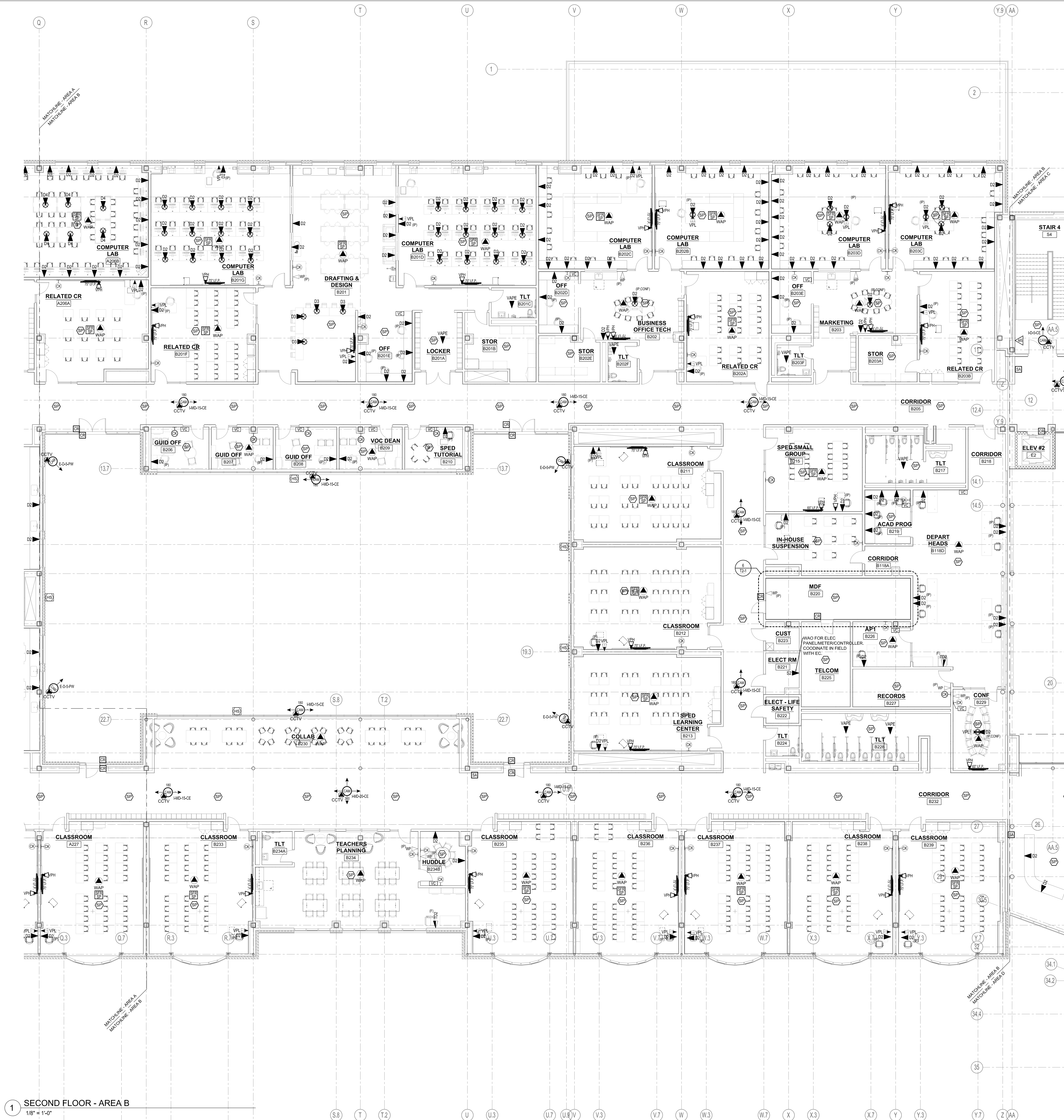
PROJECT NORTH MAGNETIC NORTH



SECOND FLOOR TECHNOLOGY AND SECURITY PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

T11-2B



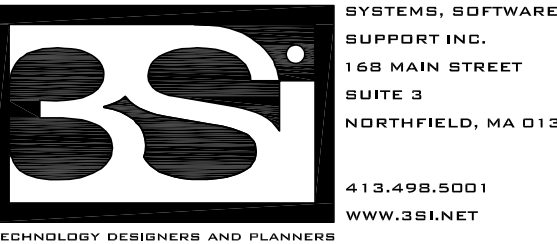
1 SECOND FLOOR - AREA B
1/8" = 1'-0"



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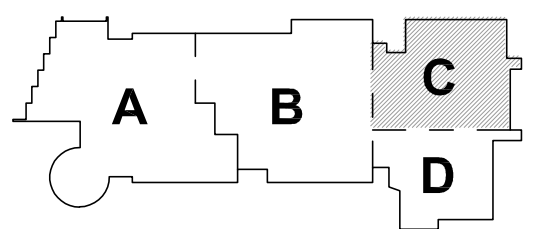
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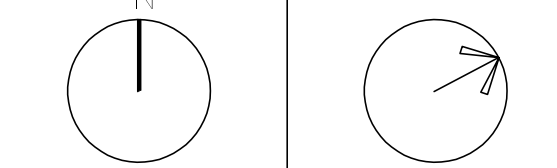
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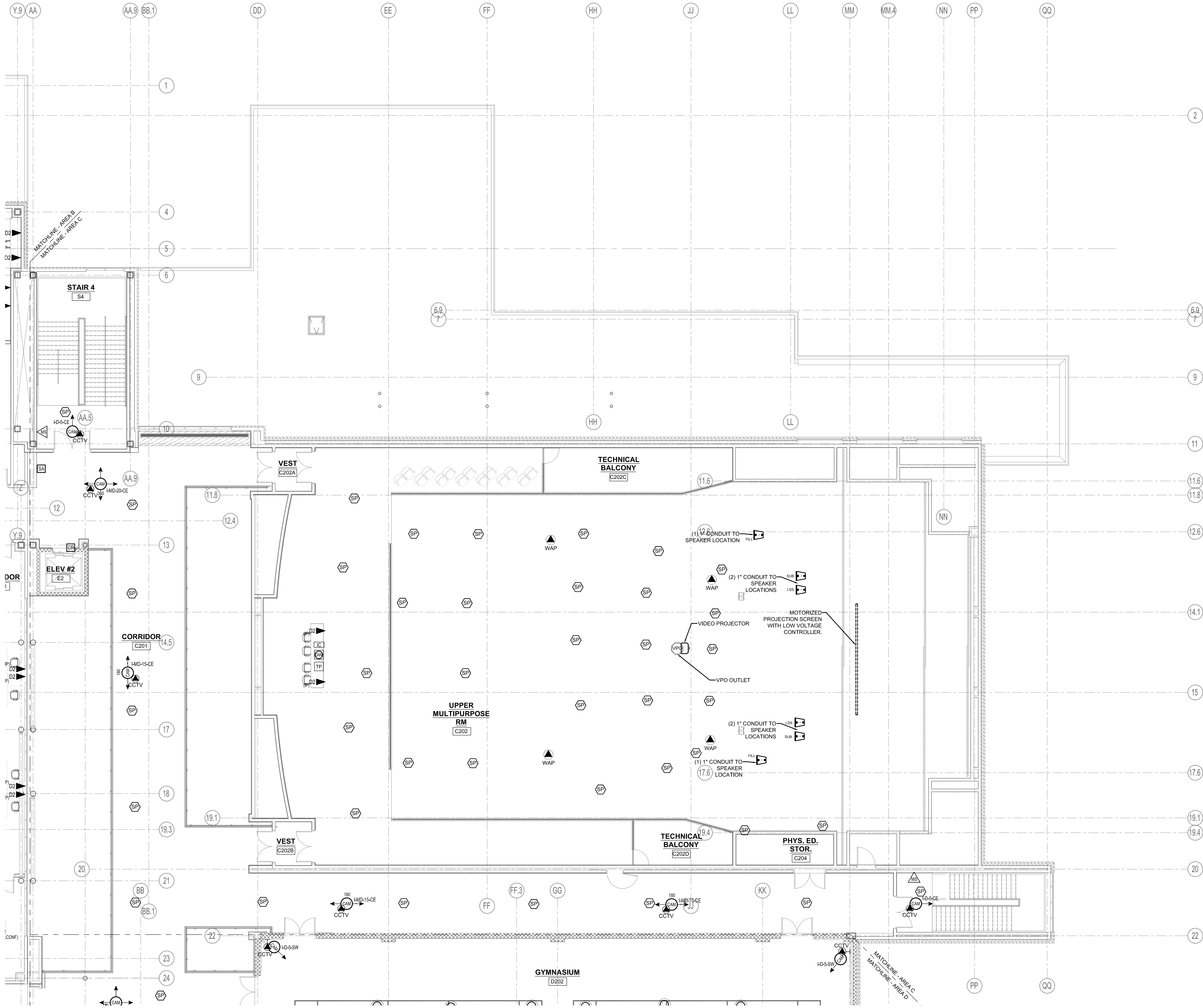
KEY PLAN

PROJECT NORTH MAGNETIC NORTH



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

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023
T1-1-2C



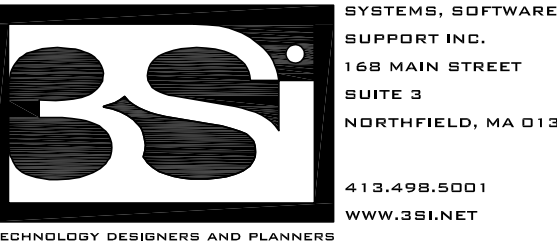
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1/8" = 1'-0"



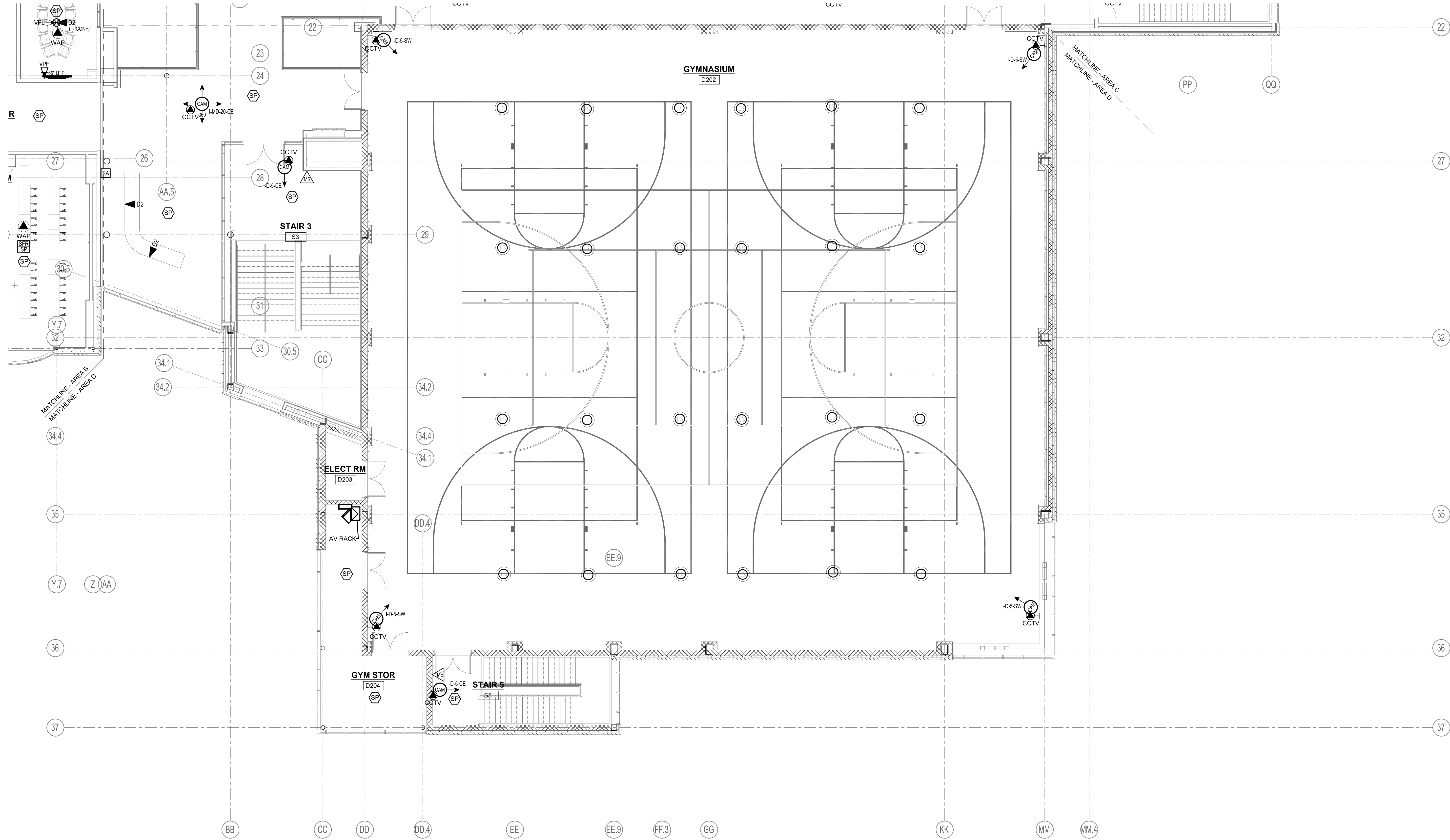
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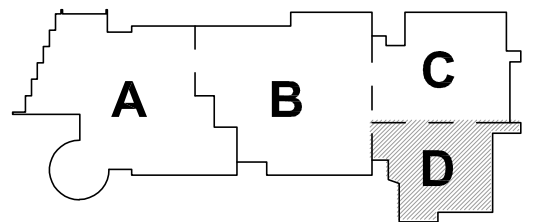


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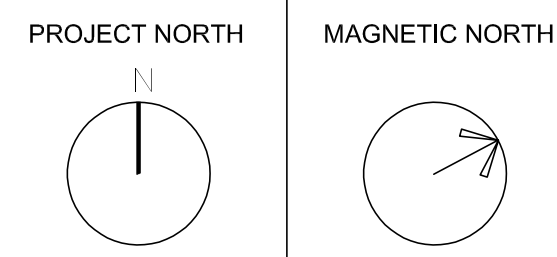


1 SECOND FLOOR - AREA D
1/8" = 1'-0"

MSBA 60% CD SUBMISSION



KEY PLAN



SECOND FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA D

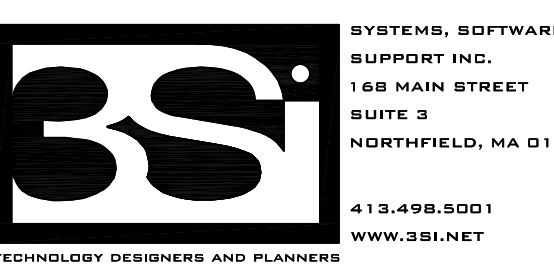
Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 01/13/2023
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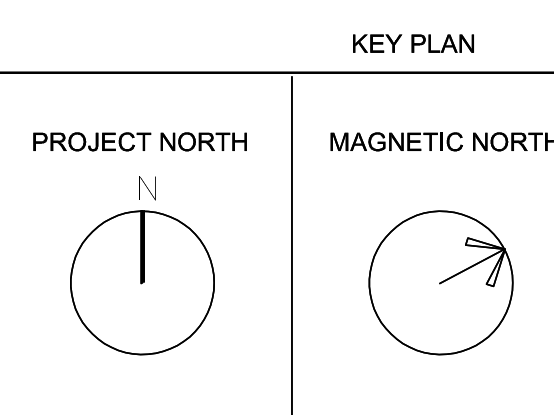
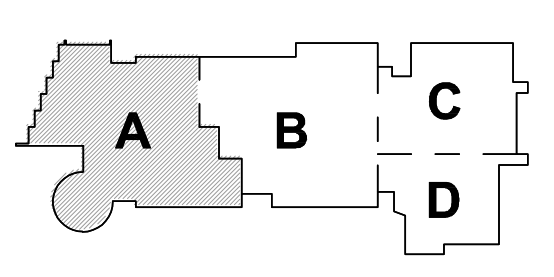
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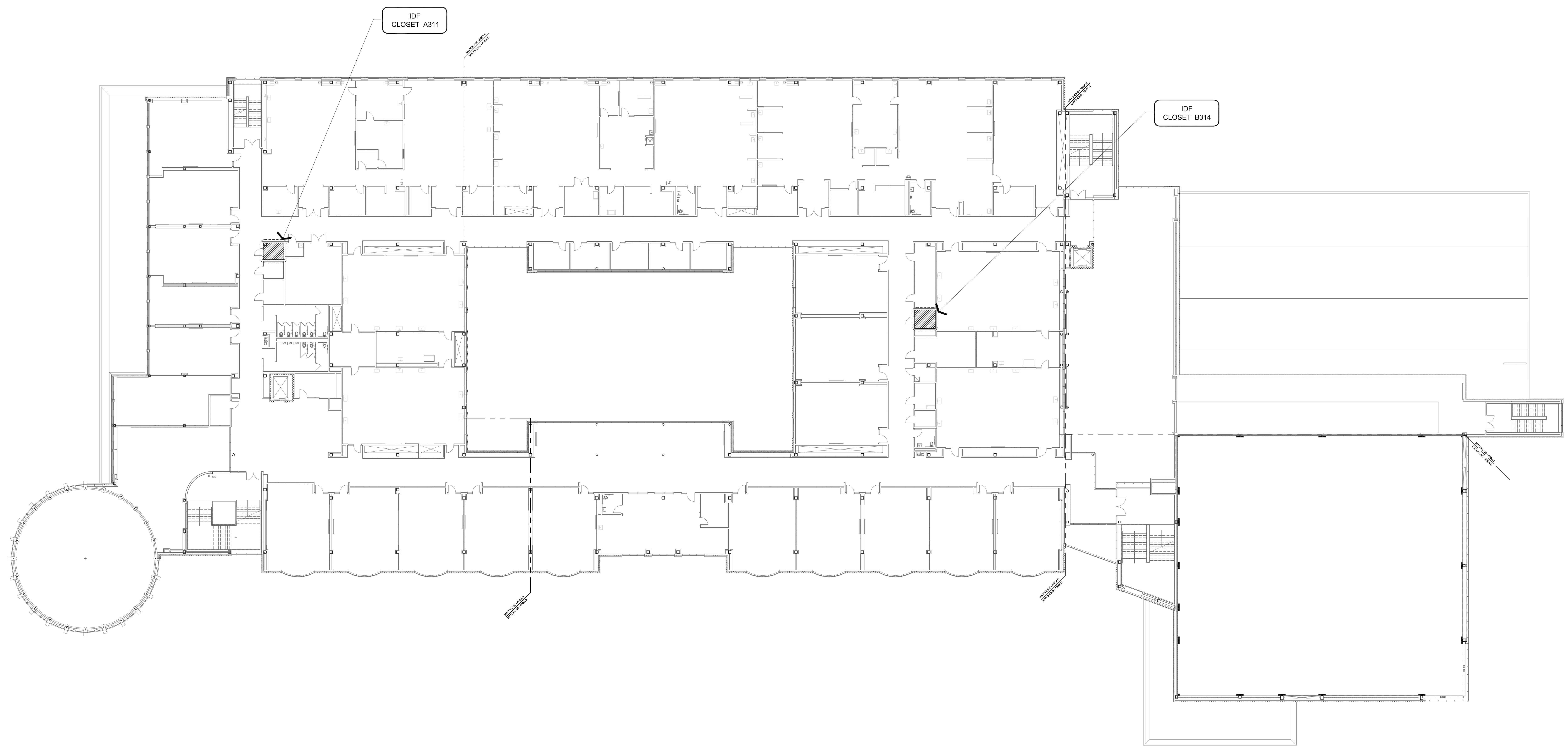
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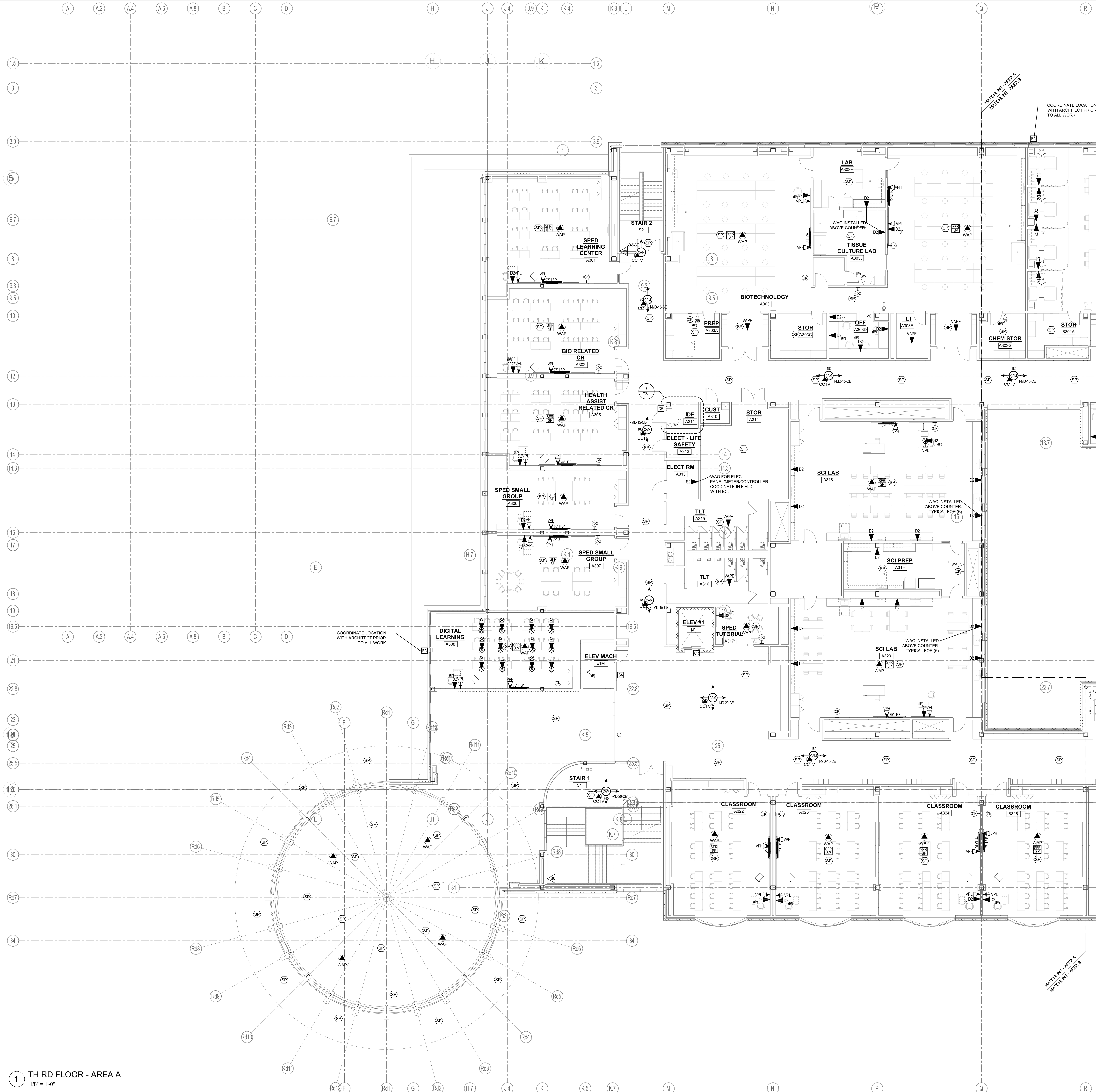


THIRD FLOOR
TECHNOLOGY
CABLE ROUTING

Scale: 1/16" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023
T1-1-3



1 THIRD FLOOR - CABLE ROUTING
1/16" = 1'-0"



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

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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/AMD
Date: 01/13/2023

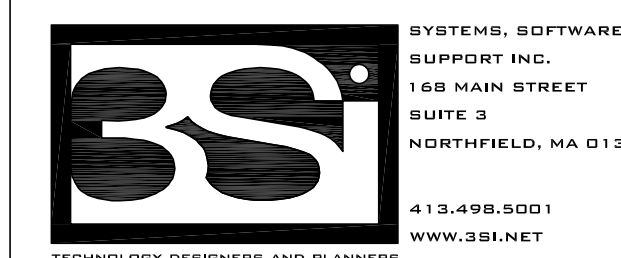
T1-1-3A

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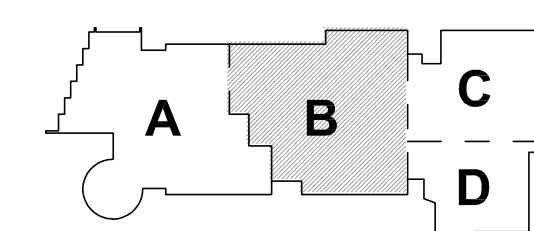
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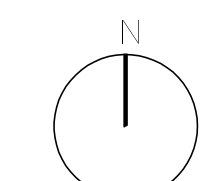
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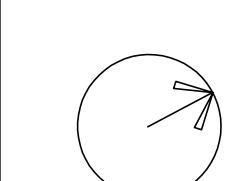


KEY PLAN

PROJECT NORTH



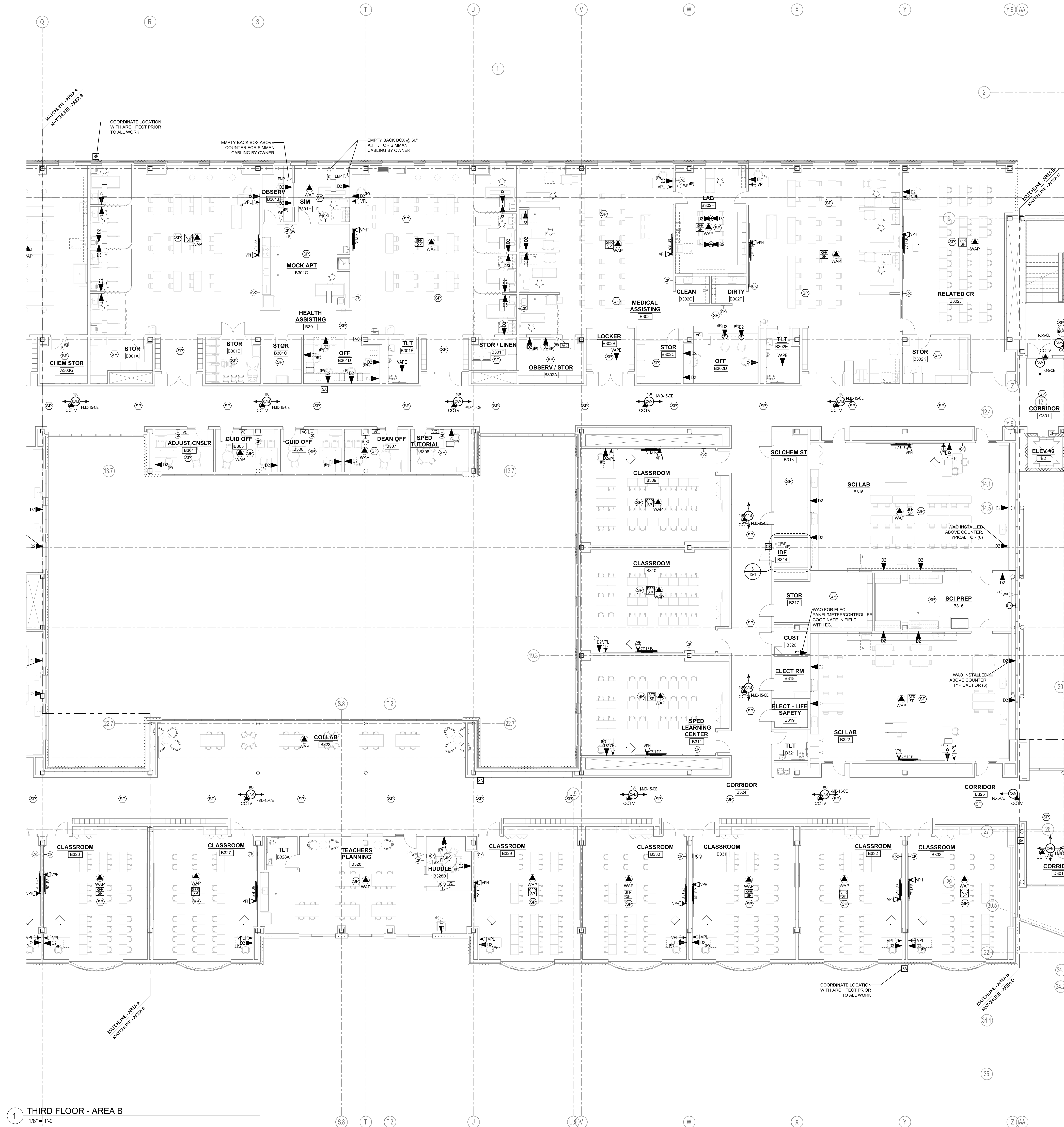
MAGNETIC NORTH



THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 01/13/2023

T1-1-3B



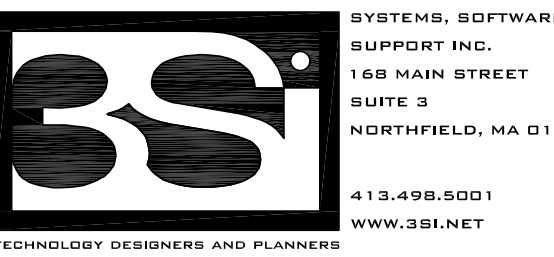
1 THIRD FLOOR - AREA B
1/8" = 1'-0"



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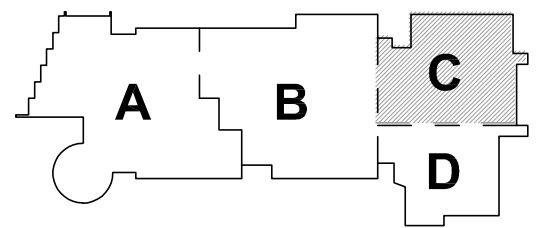
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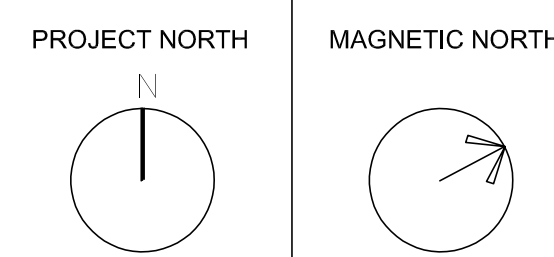


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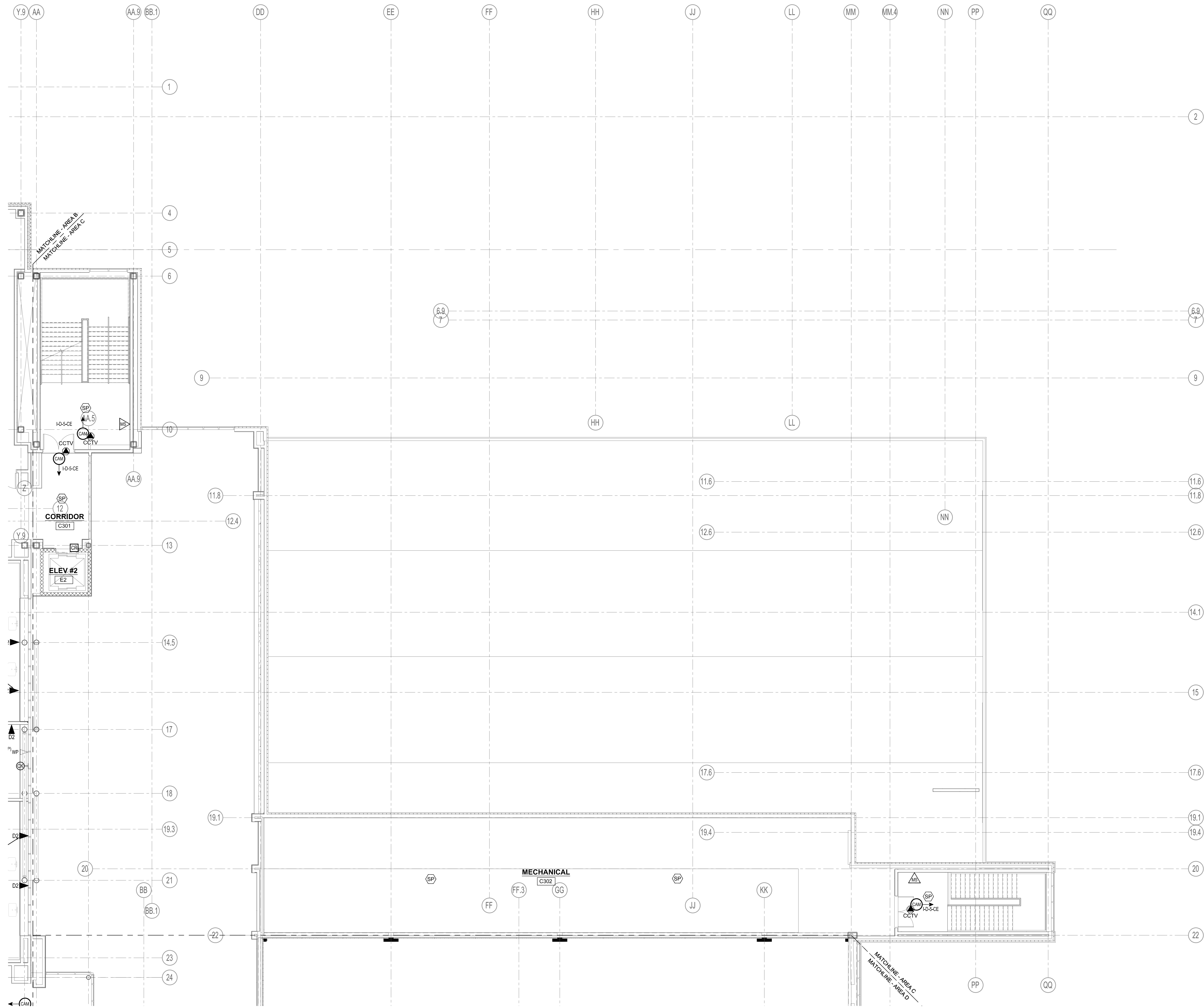


KEY PLAN



THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/ASD
Date: 6/4/2023
T1-1-3C



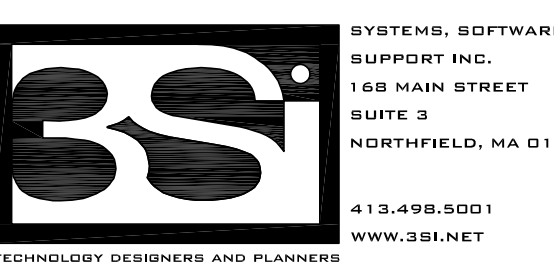
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1/8" = 1'-0"



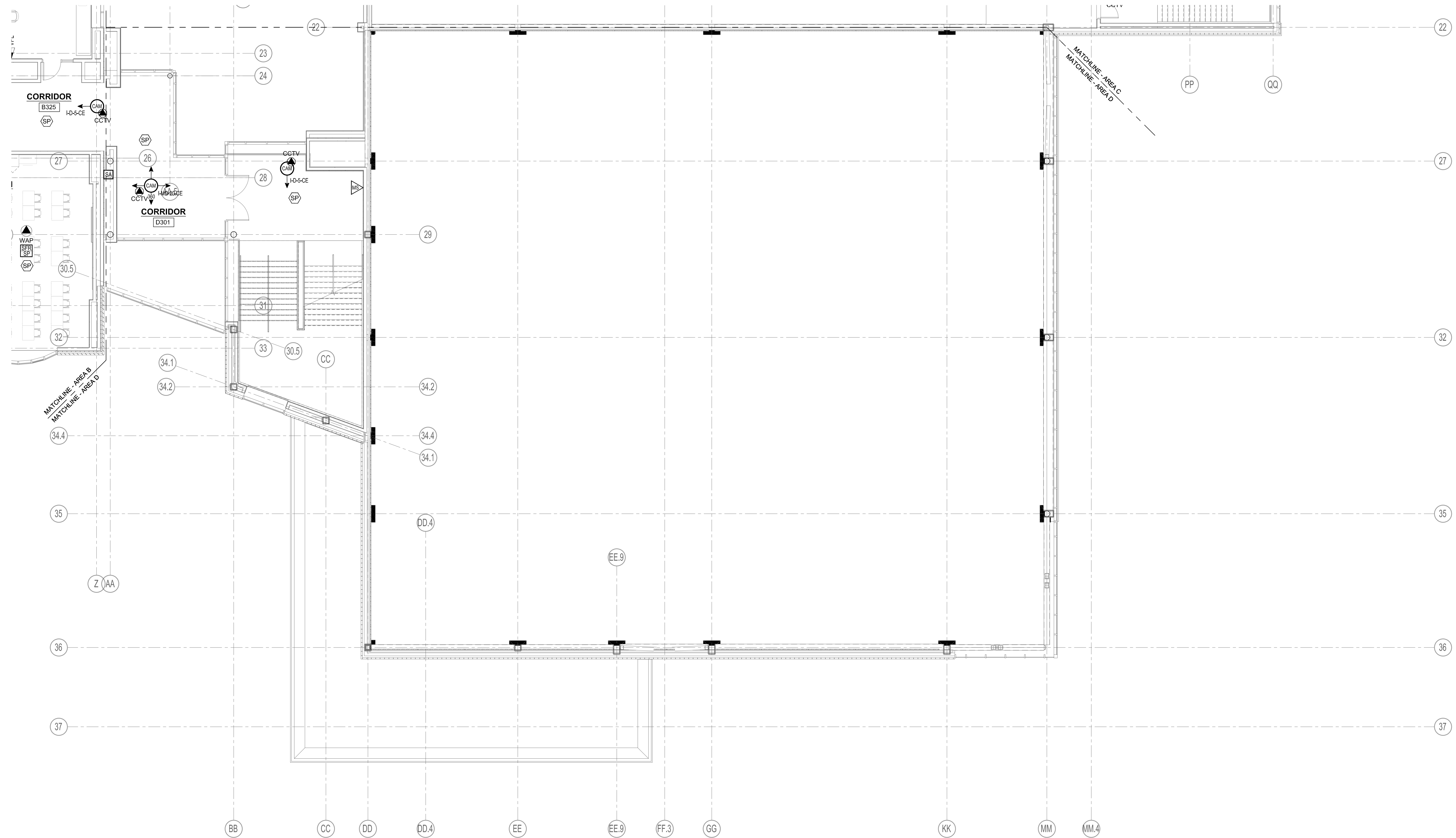
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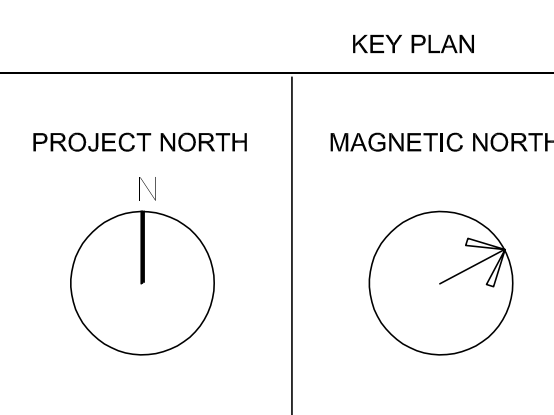
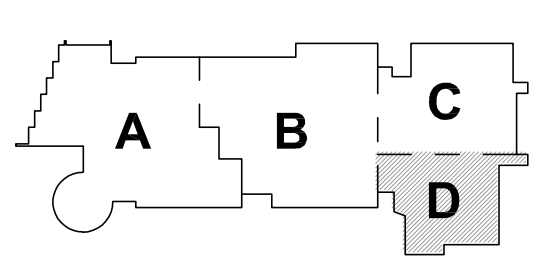
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1 THIRD FLOOR - AREA D
1/8" = 1'-0"

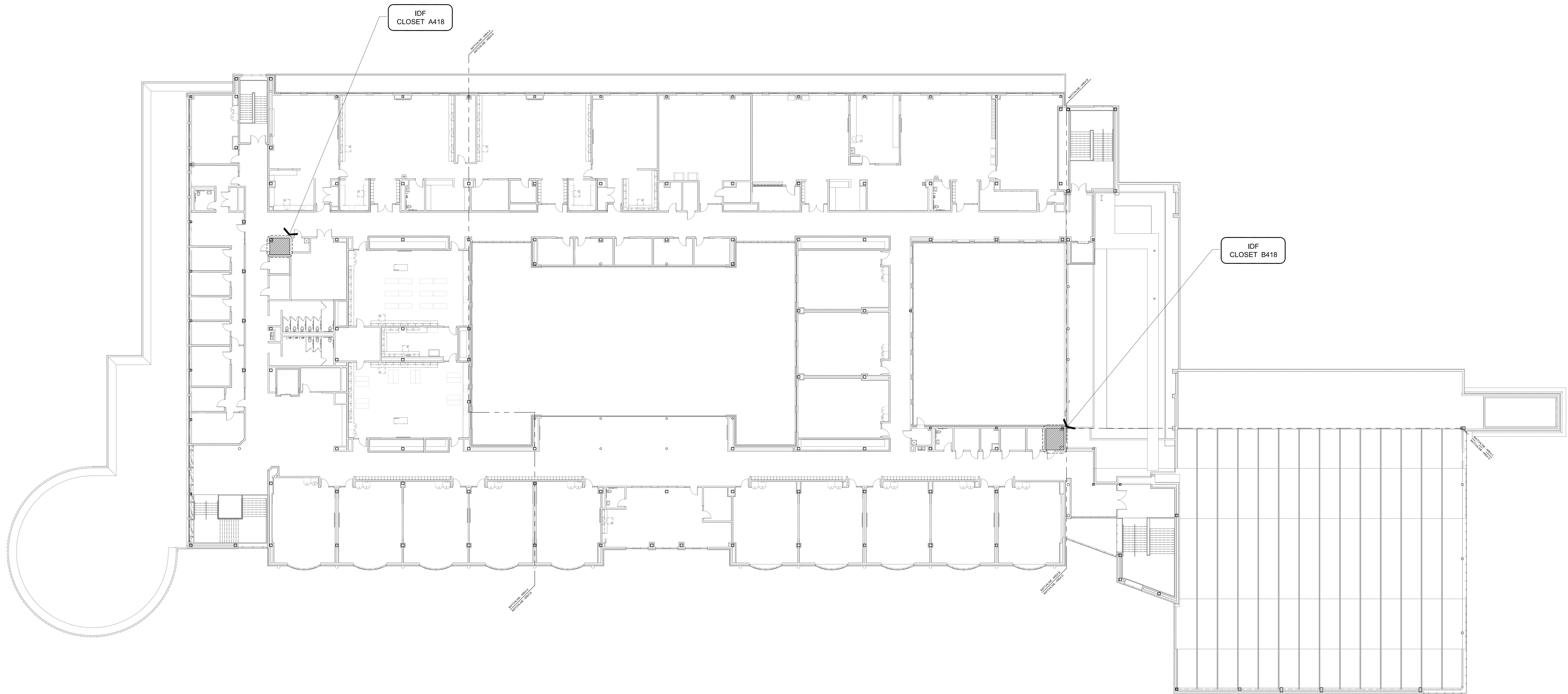
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THIRD FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
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Date: 01/13/2023
T1-1-3D



1 FOURTH FLOOR - CABLE ROUTING
1/16" = 1'-0"

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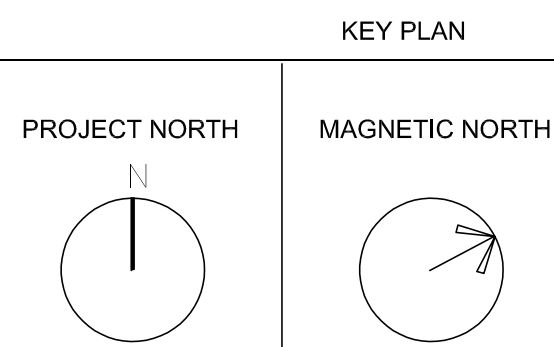
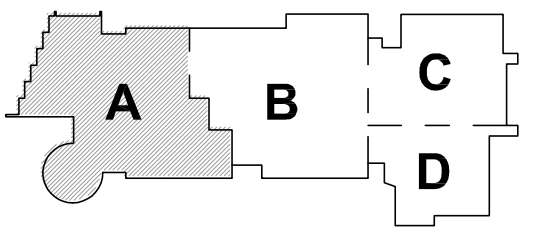
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FOURTH FLOOR
TECHNOLOGY
CABLE ROUTING

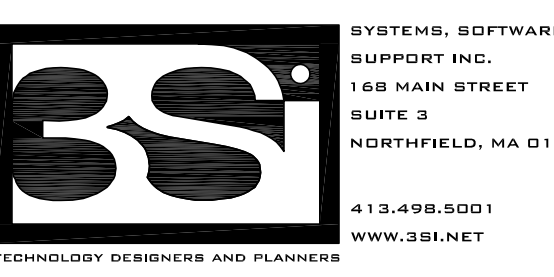
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Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023
T1-1-4



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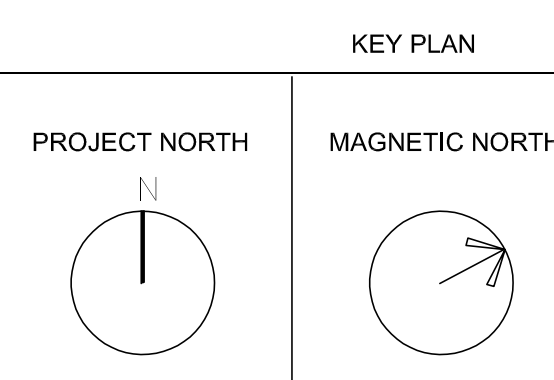
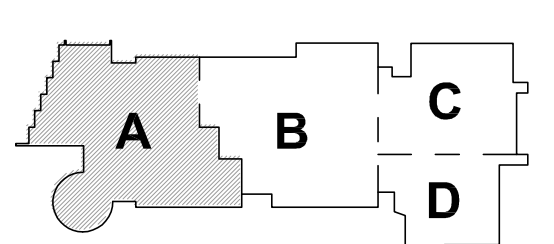
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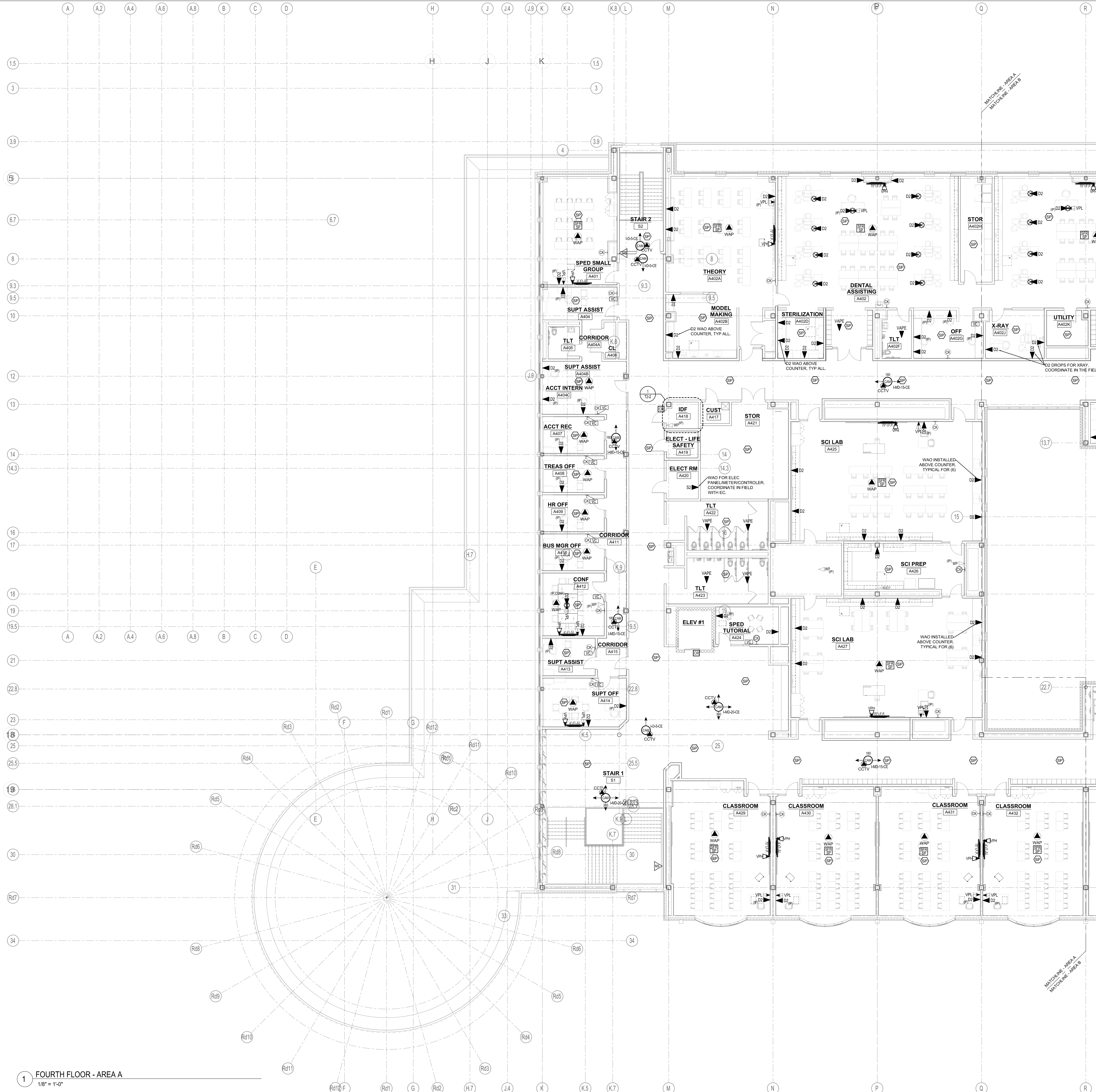
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FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA A

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By:MLD/AMD
Date: 01/13/2023

T1-1-4A



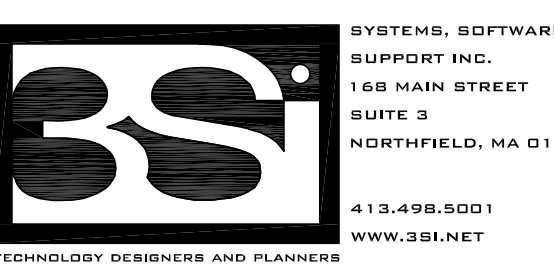
1 FOURTH FLOOR - AREA A
1/8" = 1'-0"



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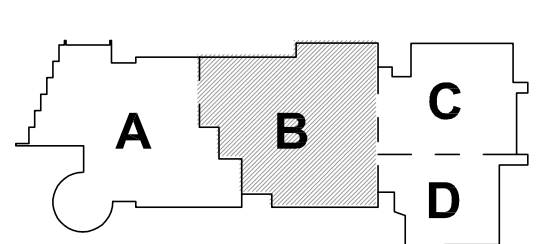
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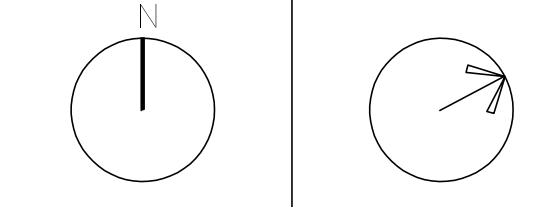
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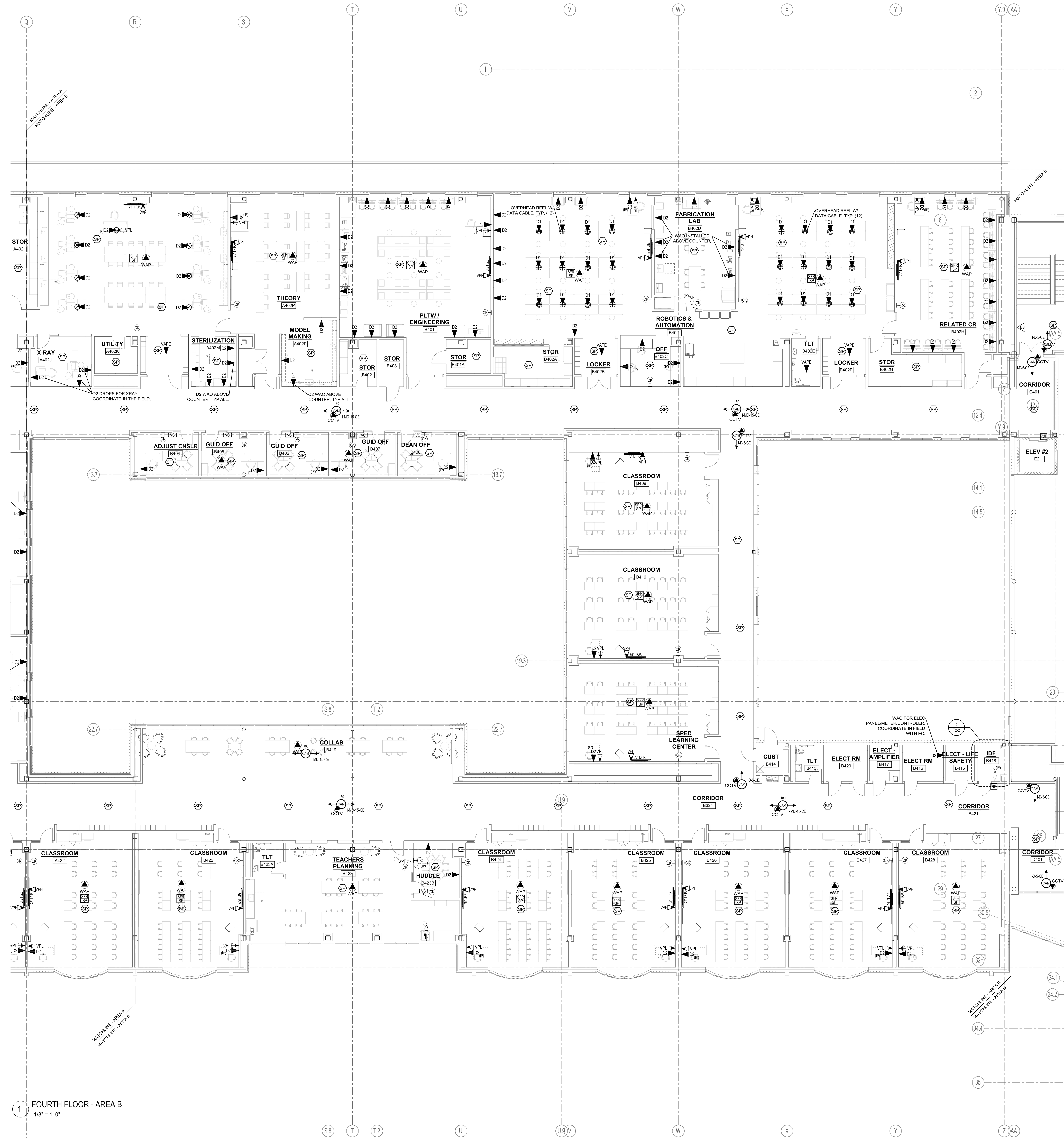
PROJECT NORTH
MAGNETIC NORTH



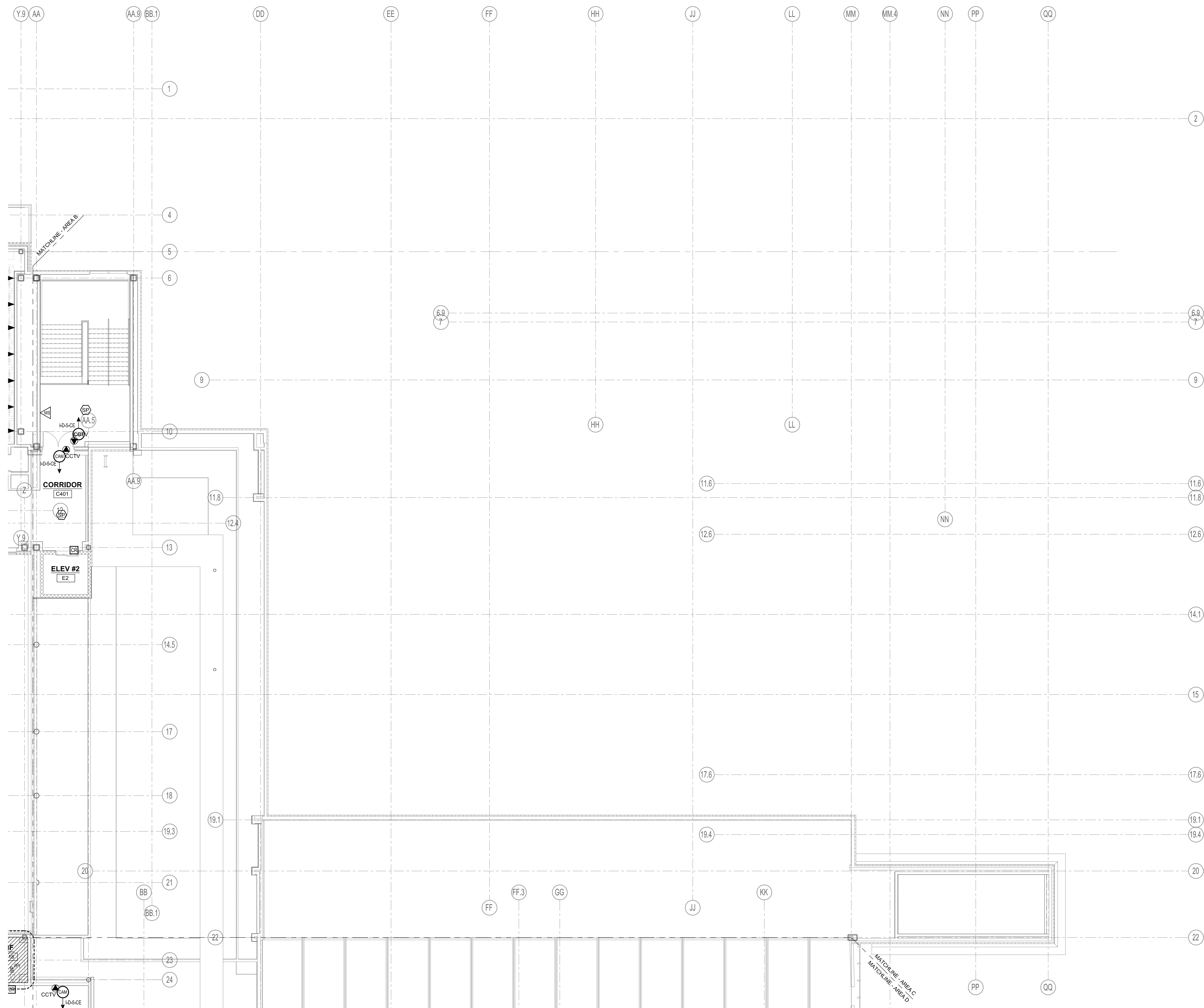
FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

T1-1-4B



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



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

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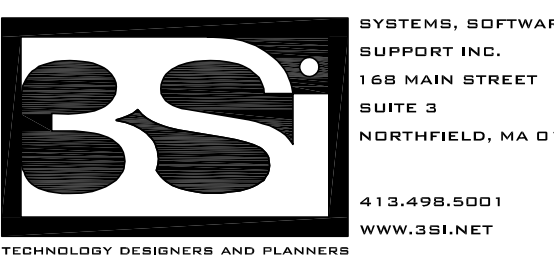
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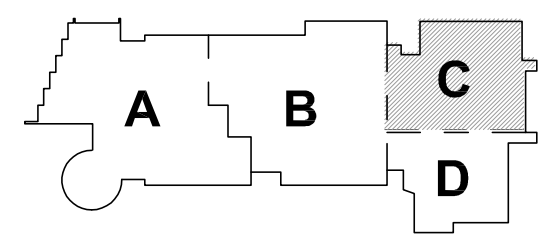
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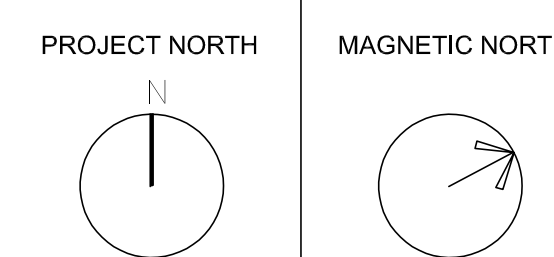


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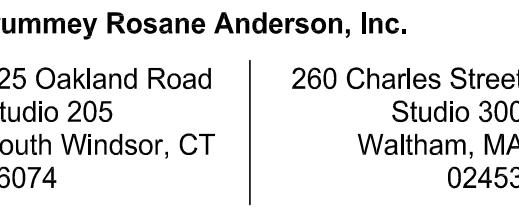
KEY PLAN



FOURTH FLOOR
TECHNOLOGY
AND SECURITY
PLAN - AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

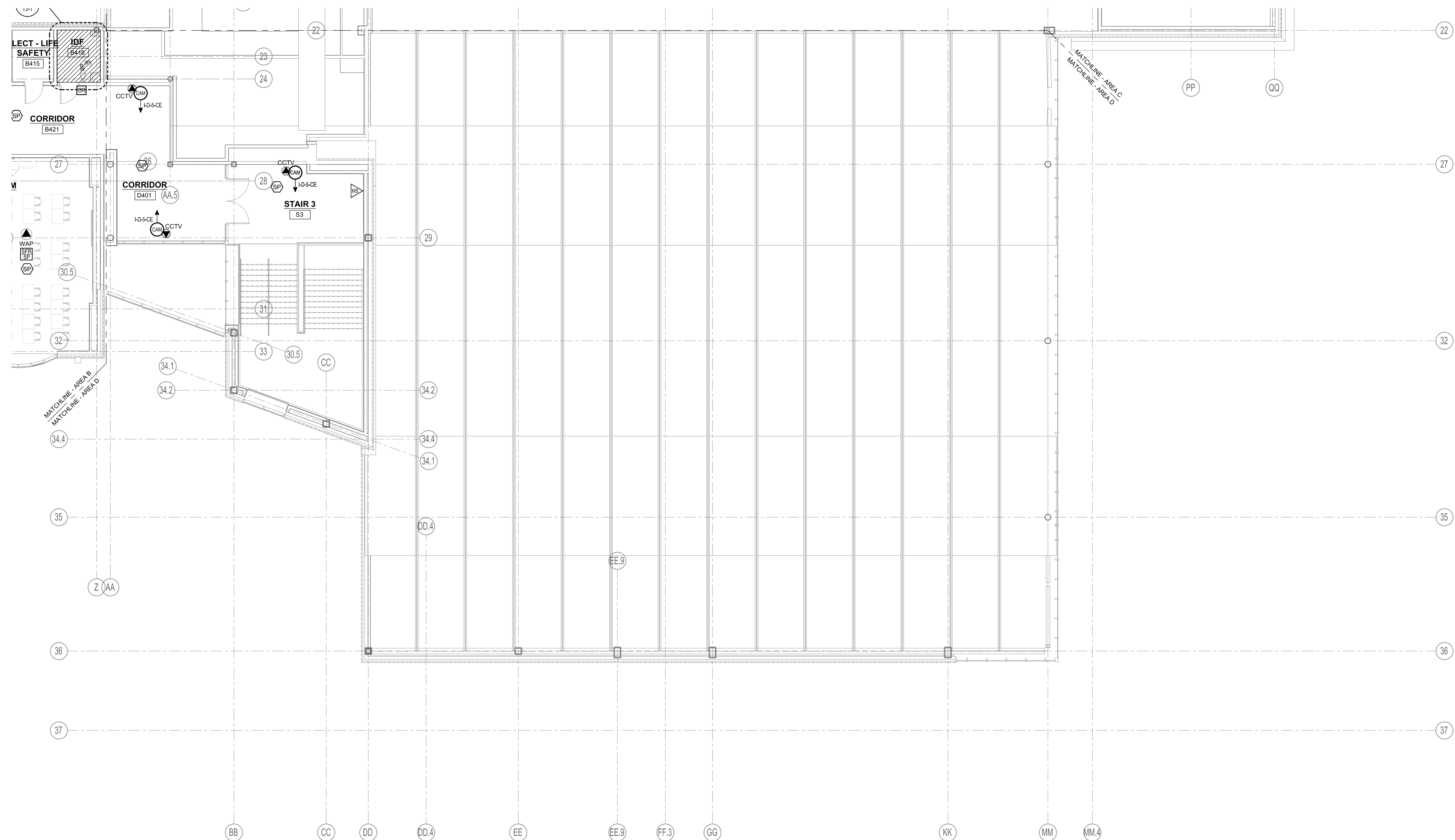
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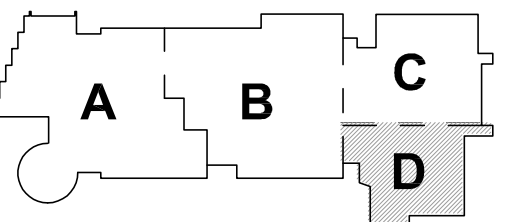
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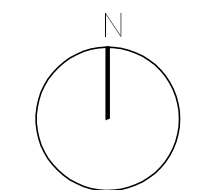
1 FOURTH FLOOR - AREA D
1/8" = 1'-0"

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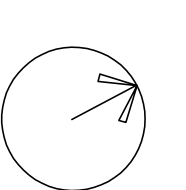


KEY PLAY

PROJECT NORTH



MAGNETIC NORTH



FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA D

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

No.: 20202

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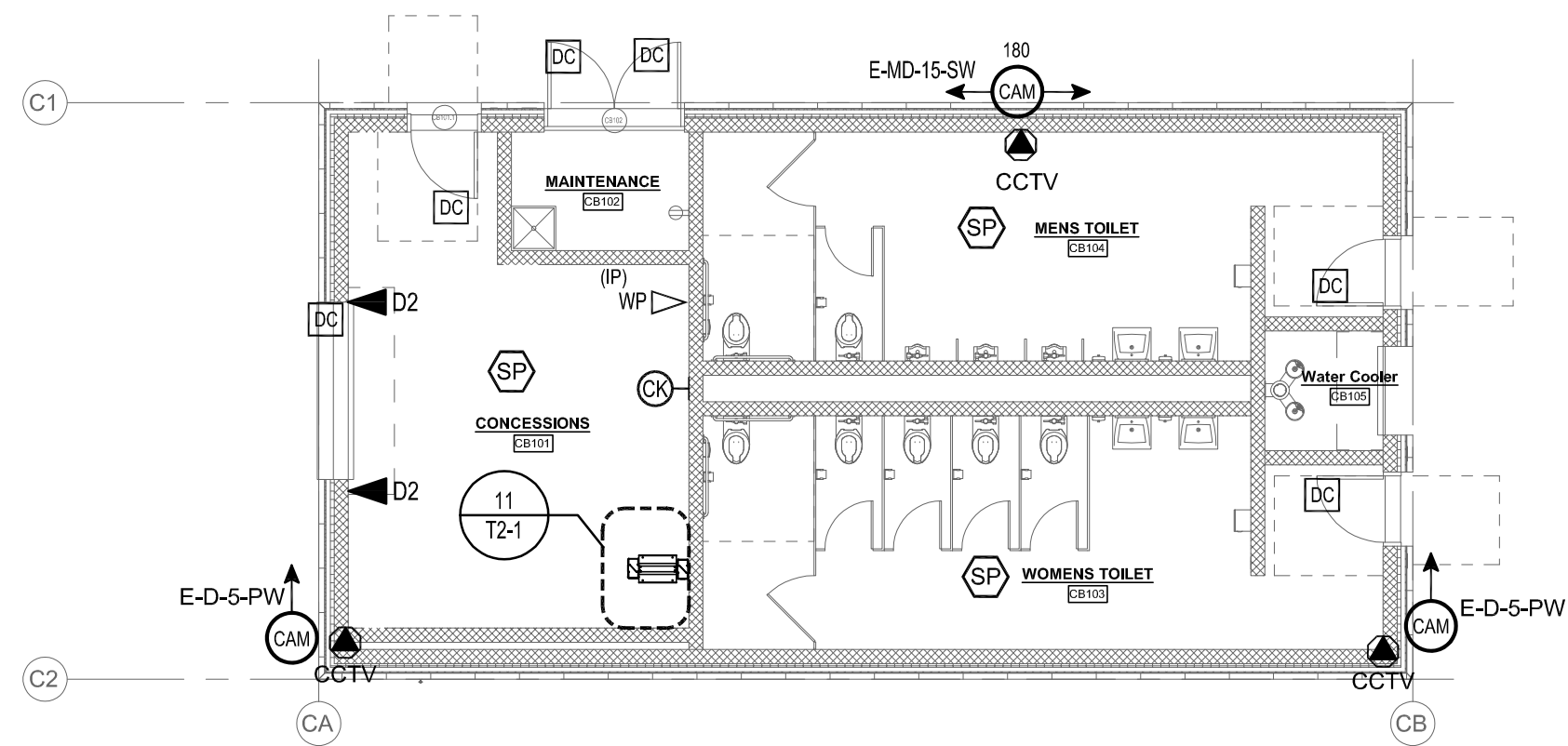
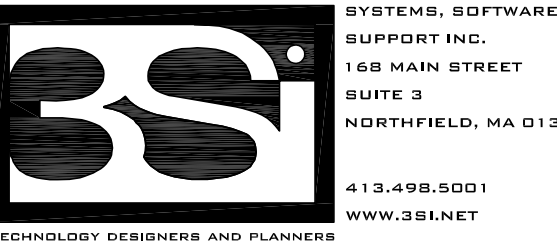
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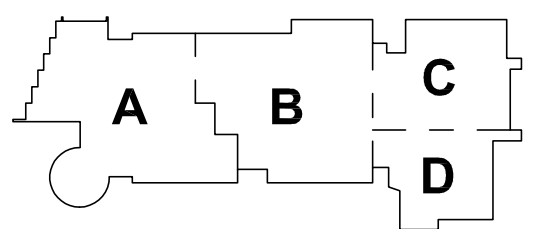
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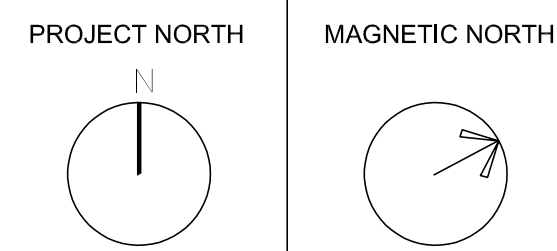


1 CONCESSION BUILDING FLOOR PLAN
1/8" = 1'-0"

MSBA 60% CD SUBMISSION



KEY PLAN



CONCESSION
BUILDING
TECHNOLOGY &
SECURITY PLAN

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

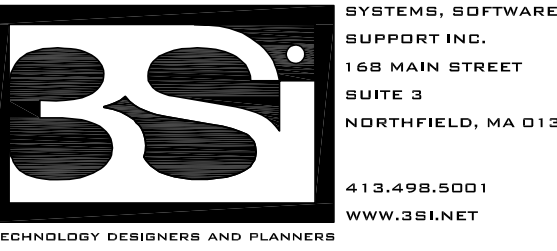
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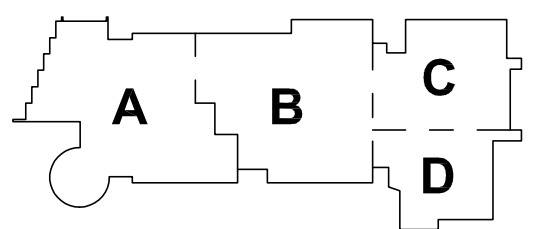
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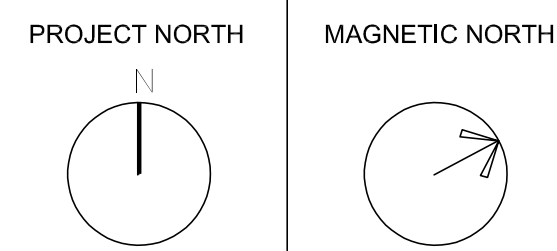


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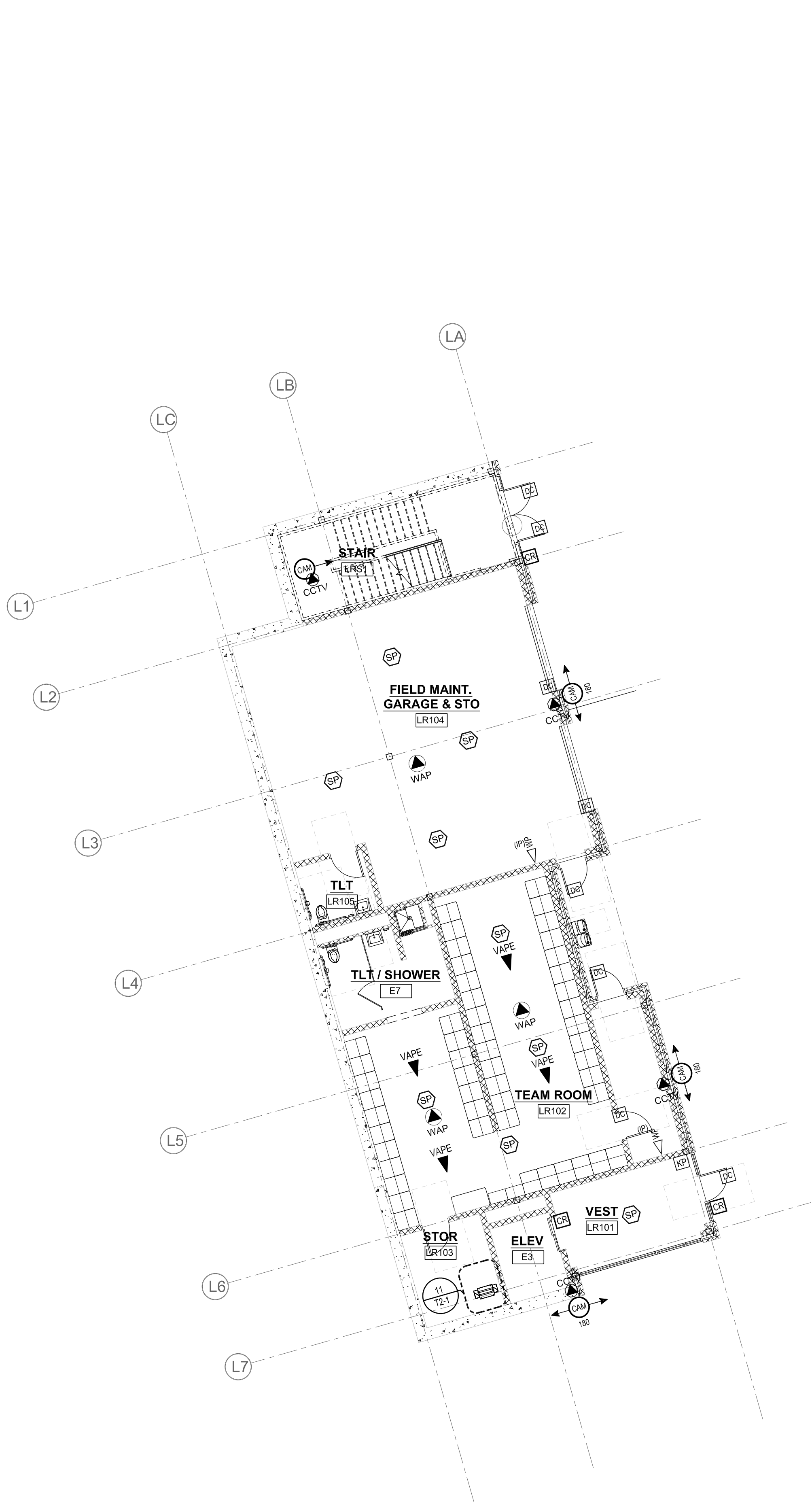


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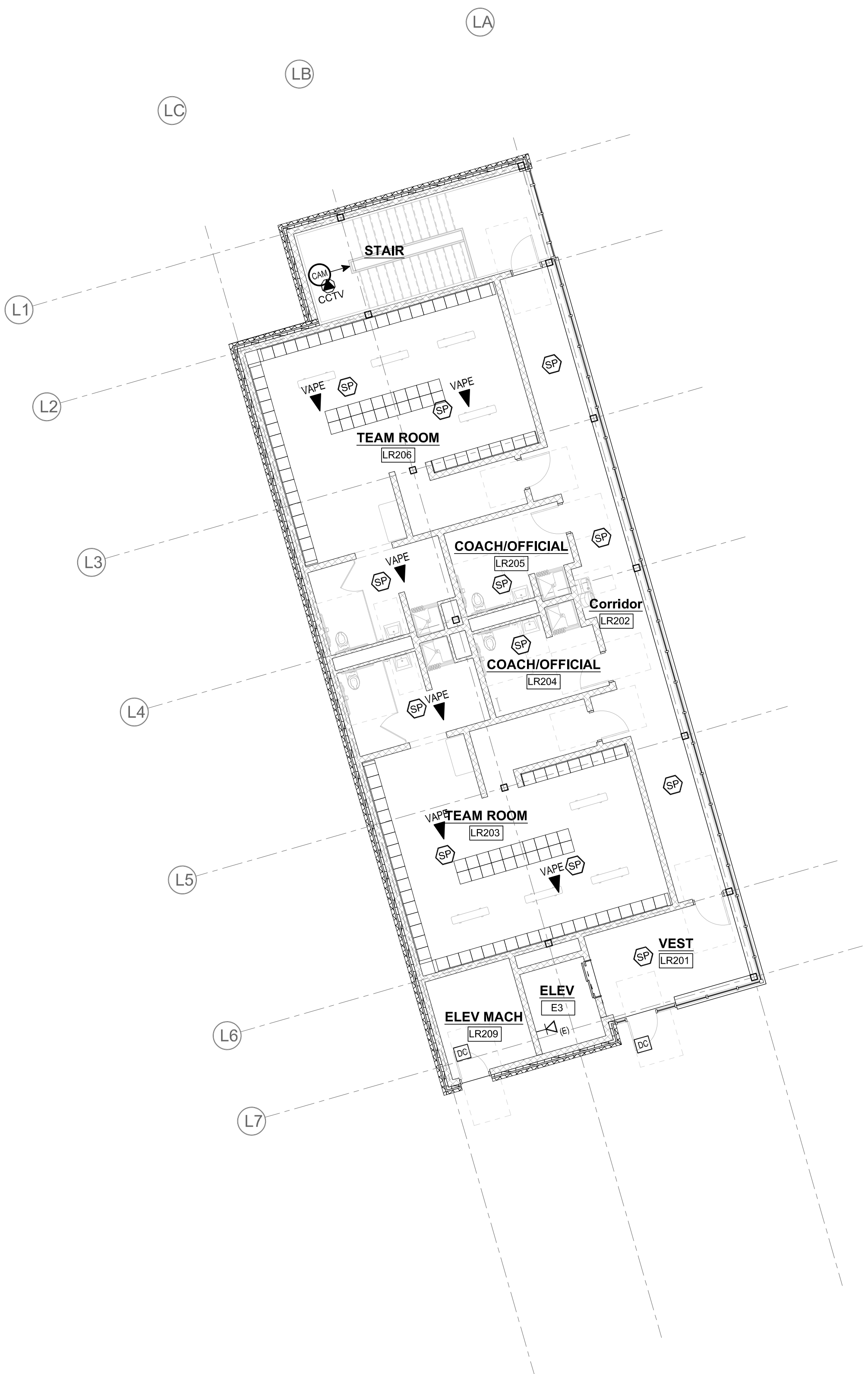


LOCKER BUILDING
TECHNOLOGY &
SECURITY PLAN

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023
TL-1-1



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



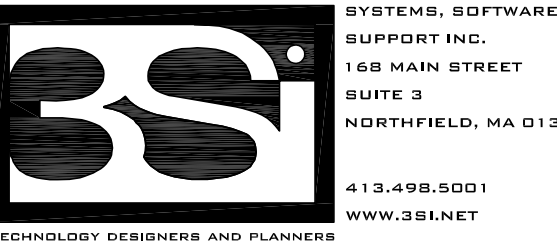
2 LOCKER BUILDING SECOND FLOOR PLAN
1/8" = 1'-0"



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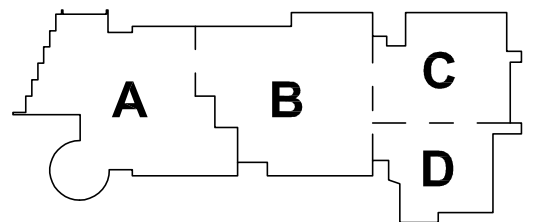
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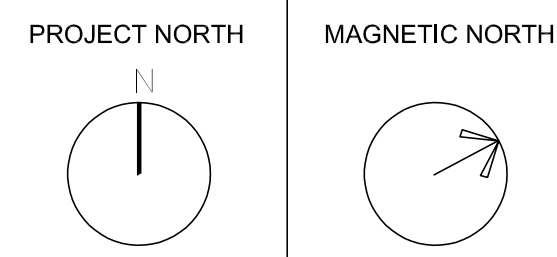


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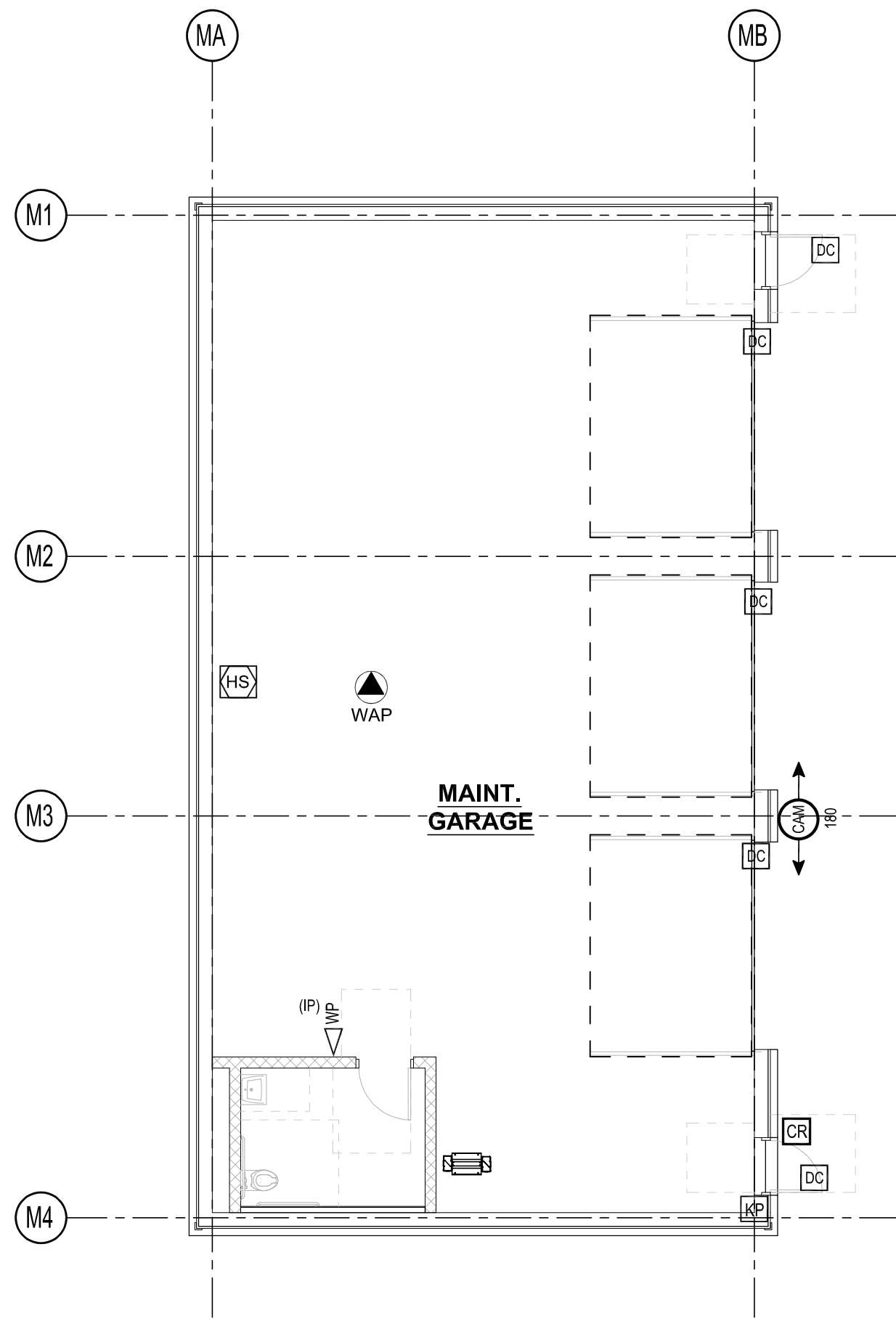
KEY PLAN



MAINTENANCE
BUILDING
TECHNOLOGY &
SECURITY PLAN

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: MLD/AMD
Date: 01/13/2023

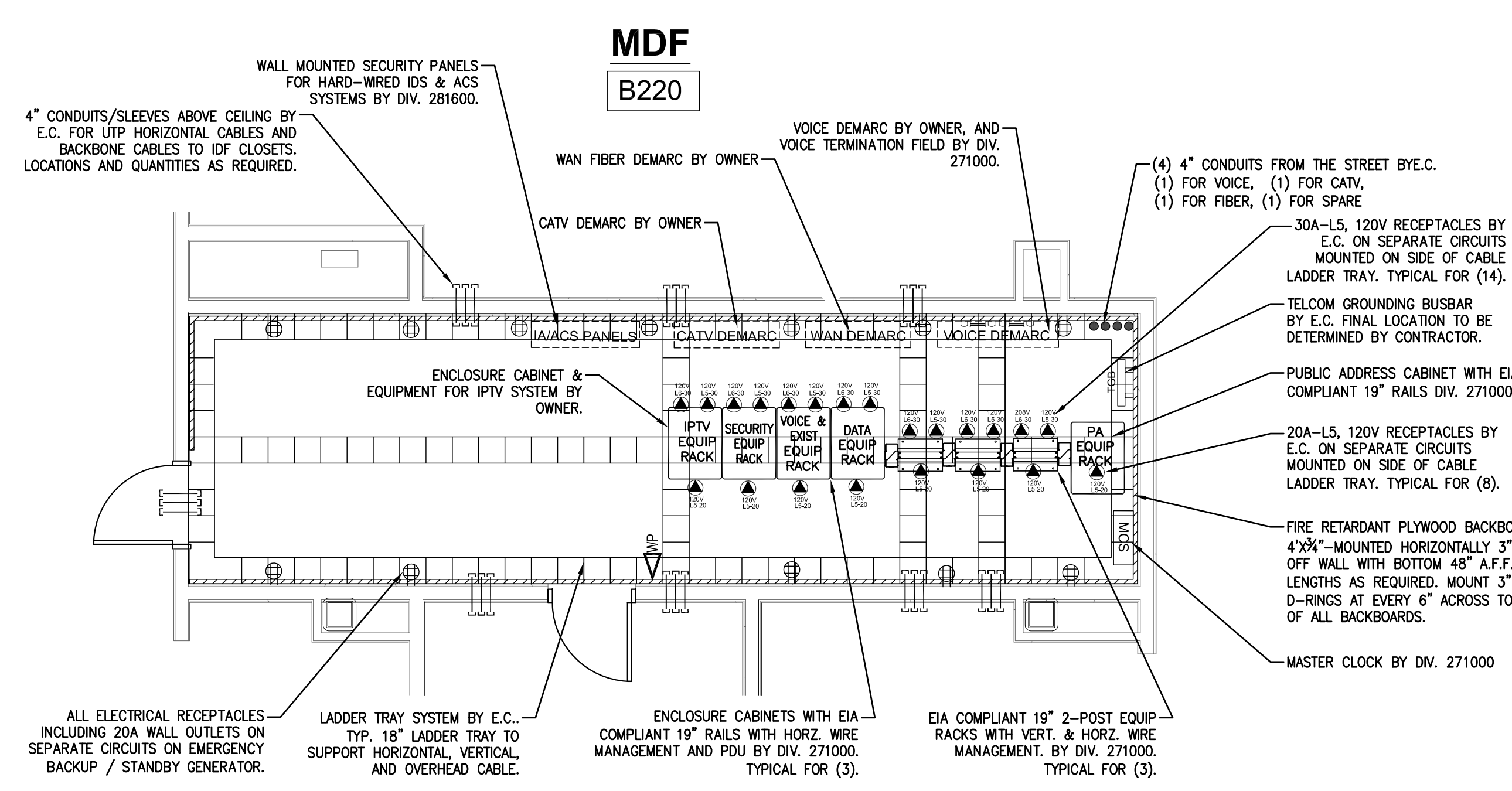
TM-1-1



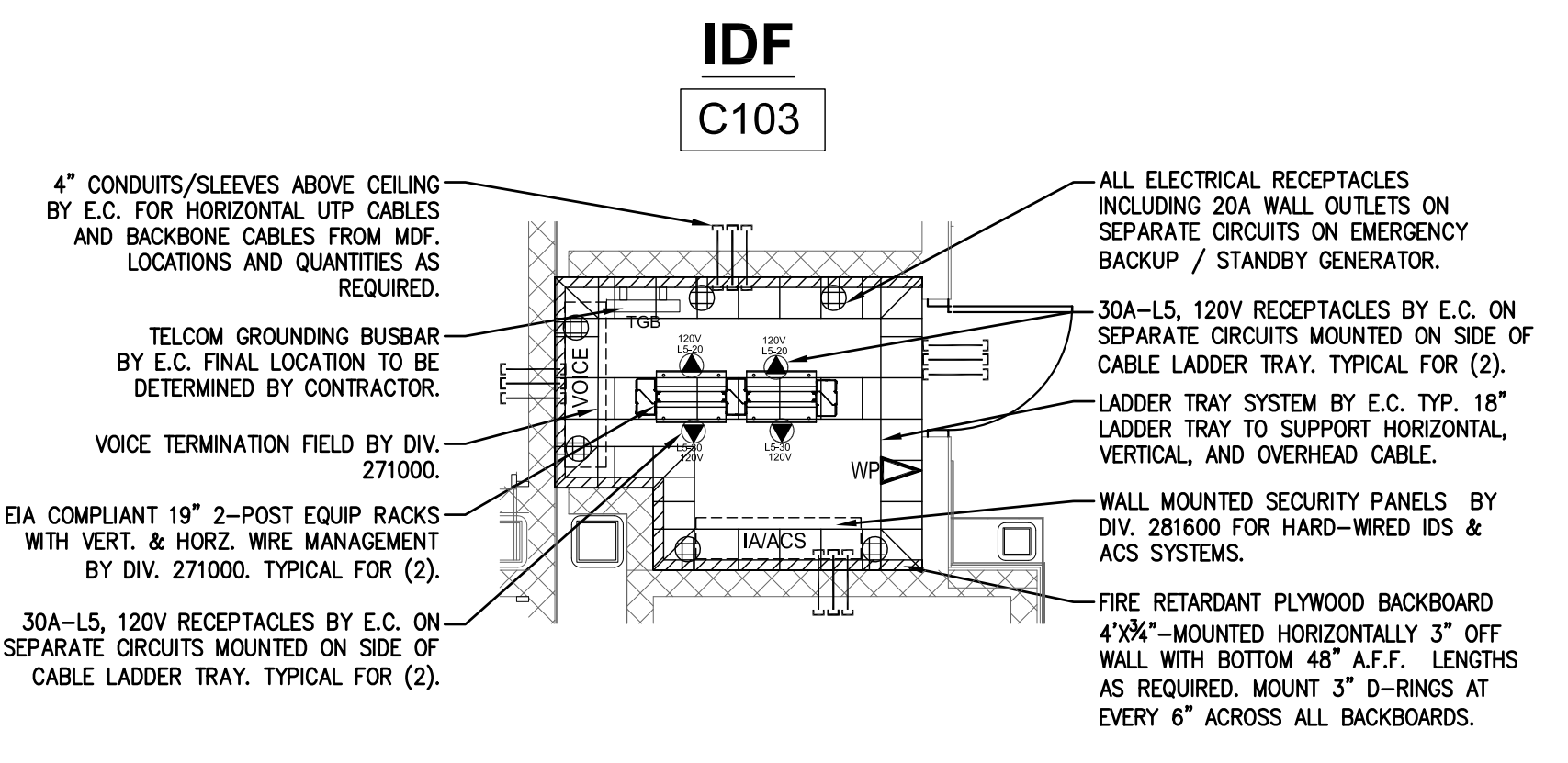
1 MAINTENANCE BUILDING
1/8" = 1'-0"

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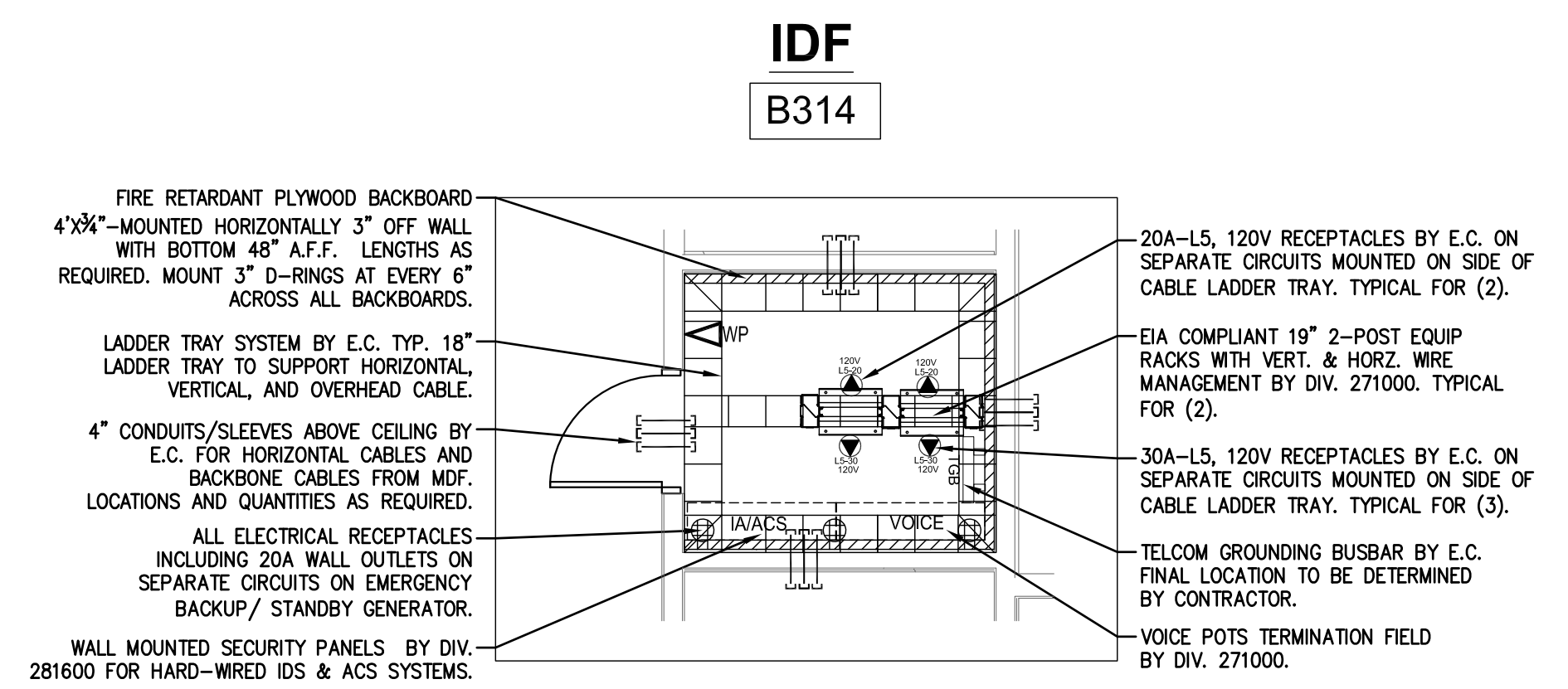
Wakefield, MA 01880



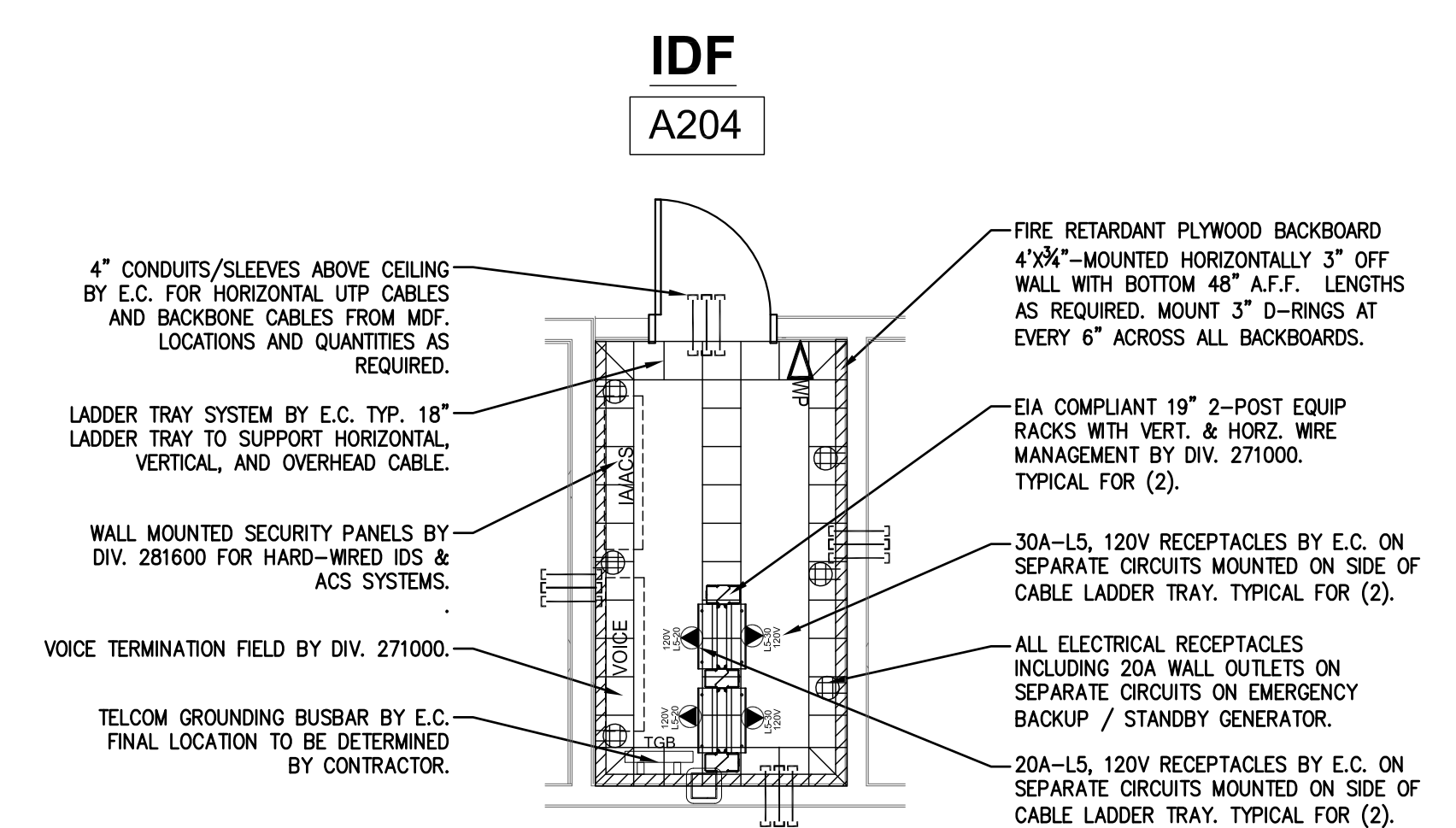
MDF B220 ENLARGED PLAN
SCALE: 1/4" = 1'



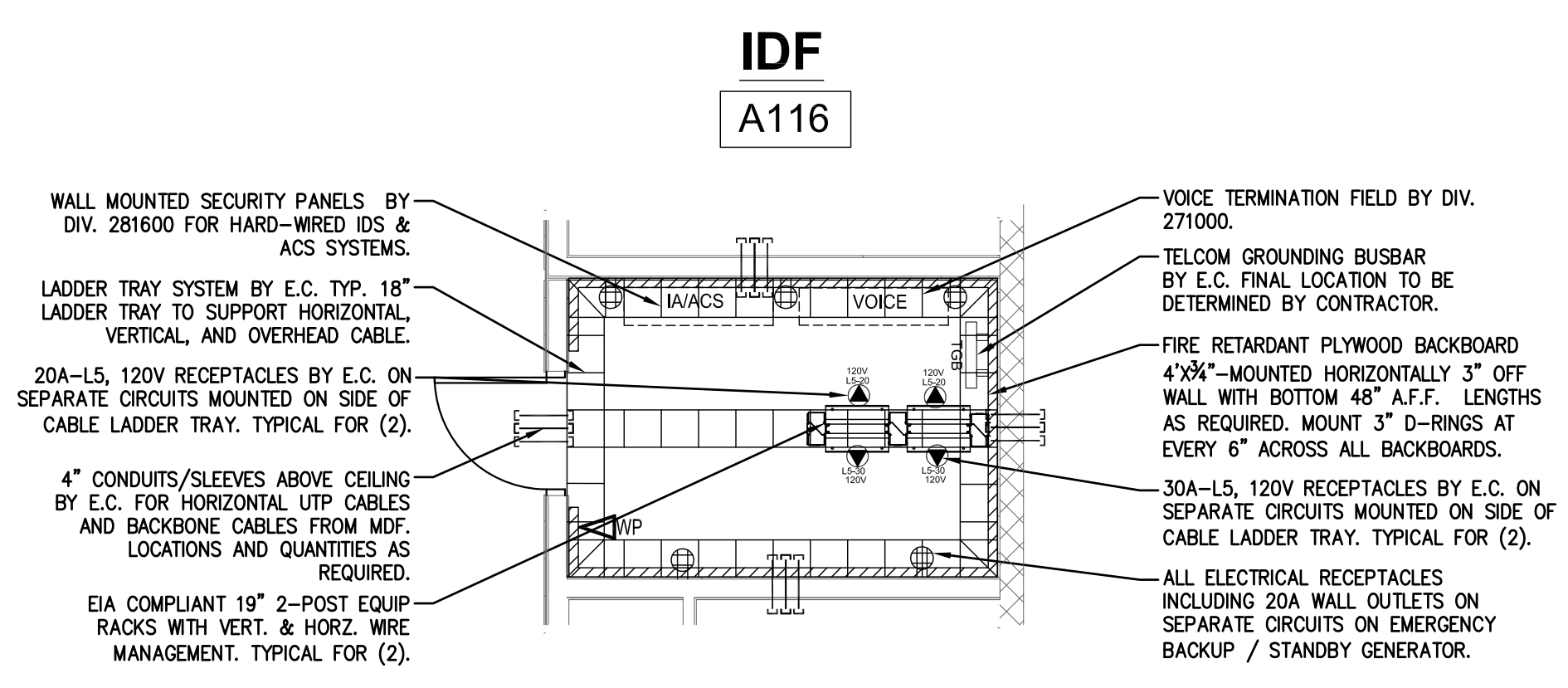
IDF C103 ENLARGED PLAN
SCALE: 1/4" = 1'



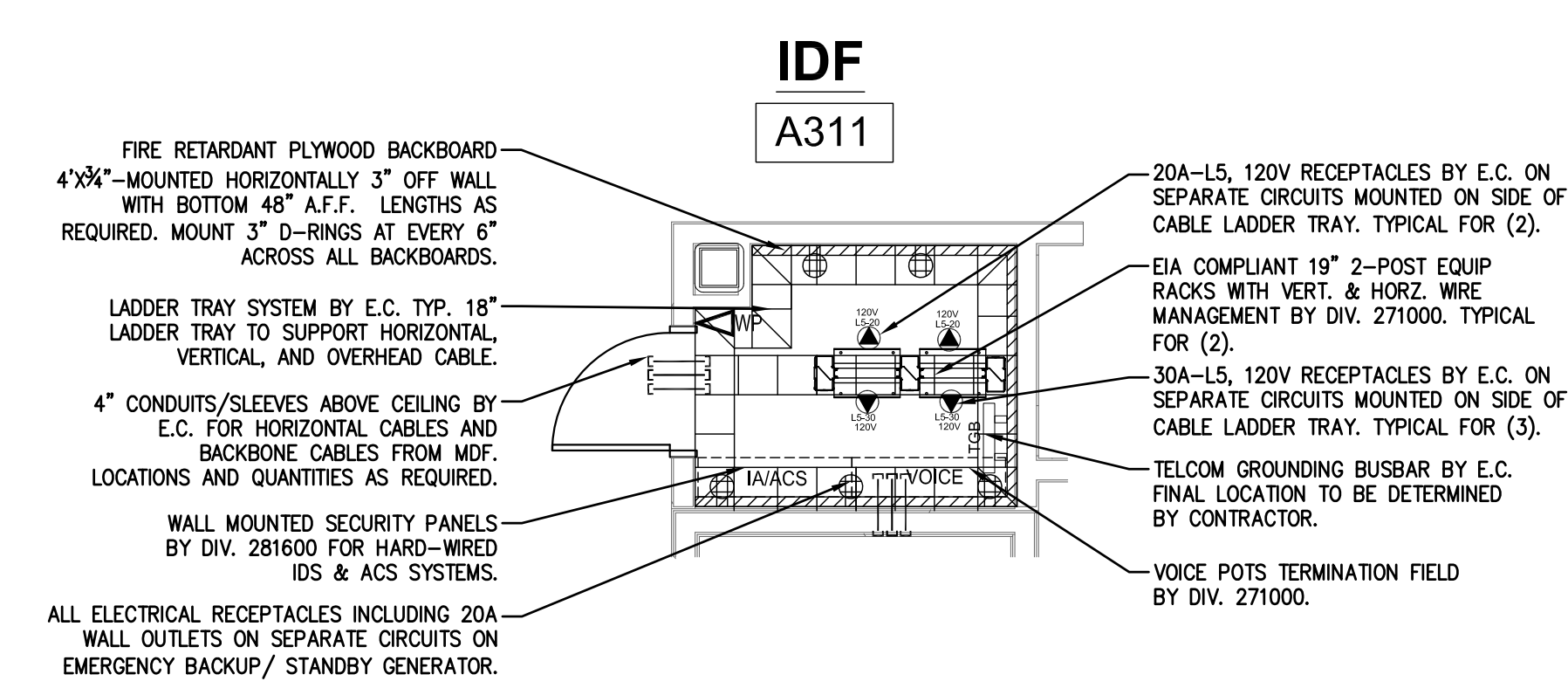
IDF B314 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



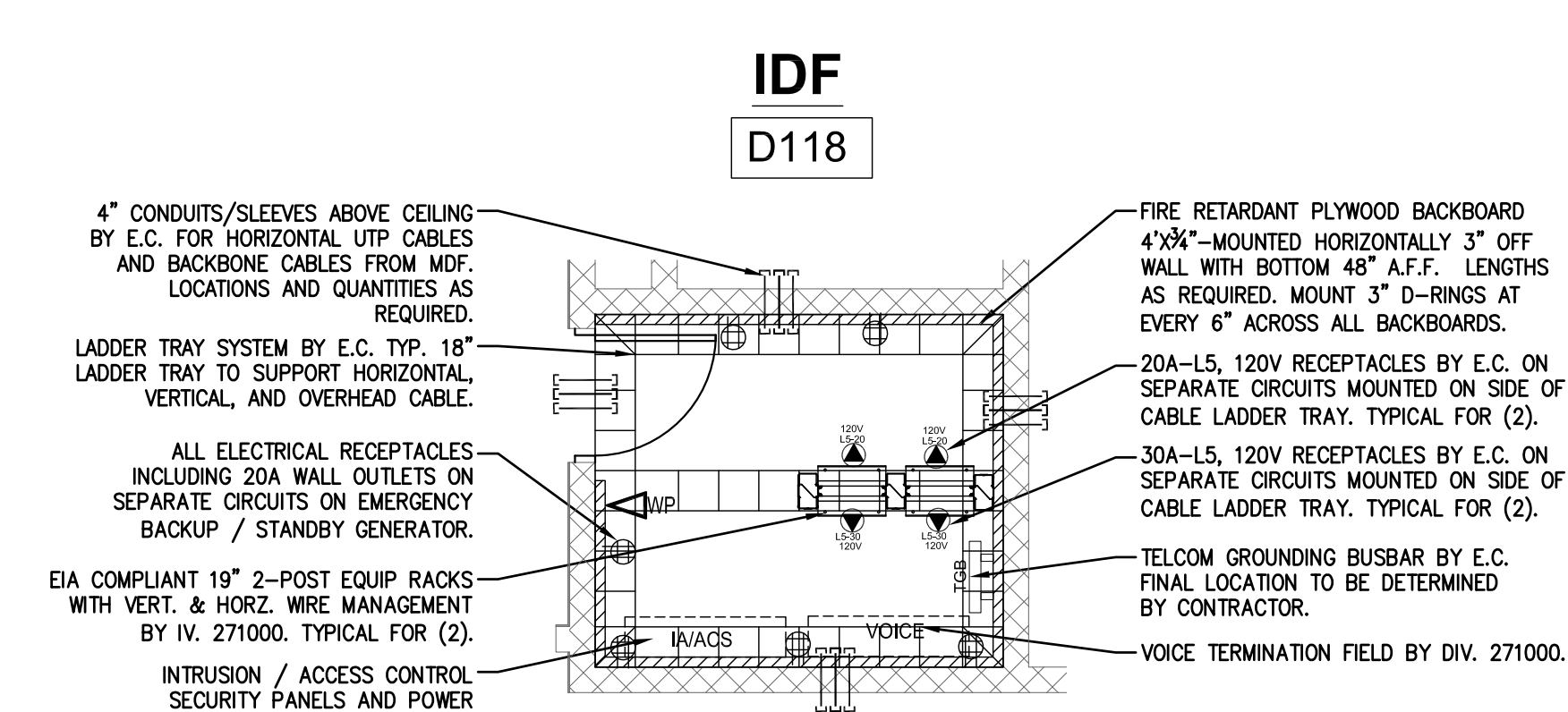
IDF A204 ENLARGED PLAN
SCALE: 1/4" = 1'



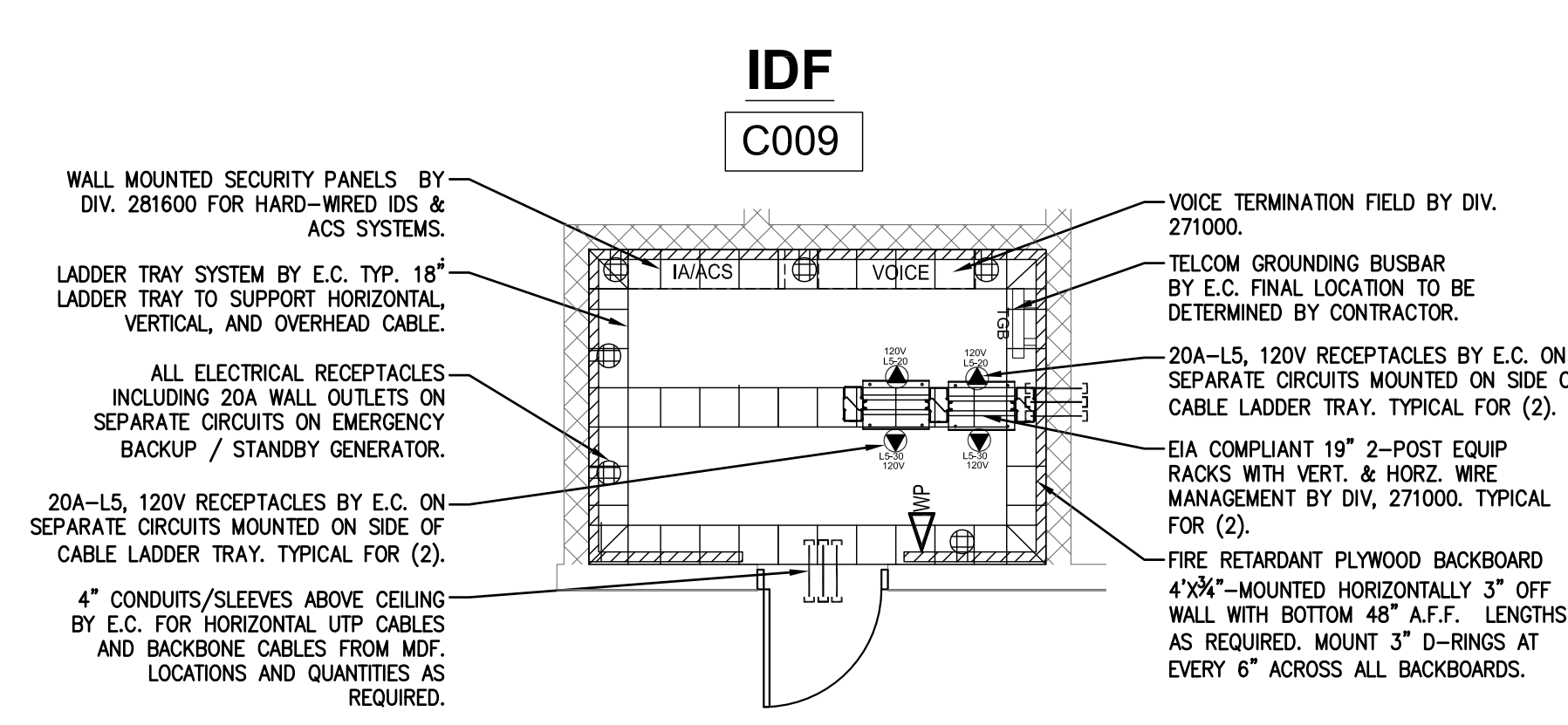
IDF A116 ENLARGED PLAN
SCALE: 1/4" = 1'



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



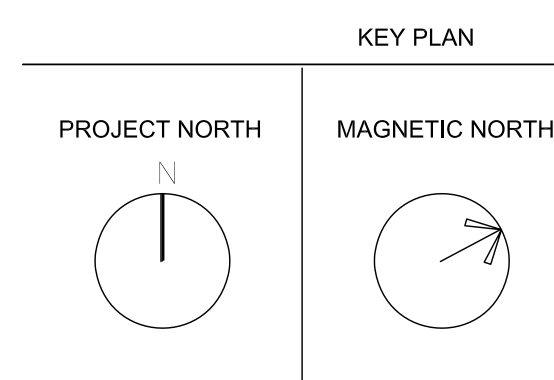
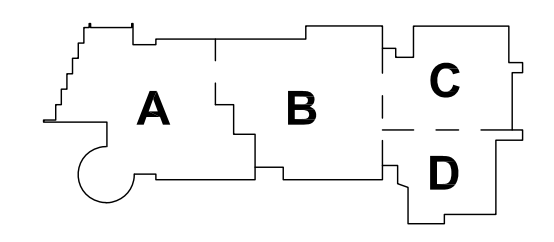
IDF D118 ENLARGED PLAN
SCALE: 1/4" = 1'



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

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**ENLARGED
PLANS
TECHNOLOGY**

Scale: AS NOTED
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Date: 01/13/2023

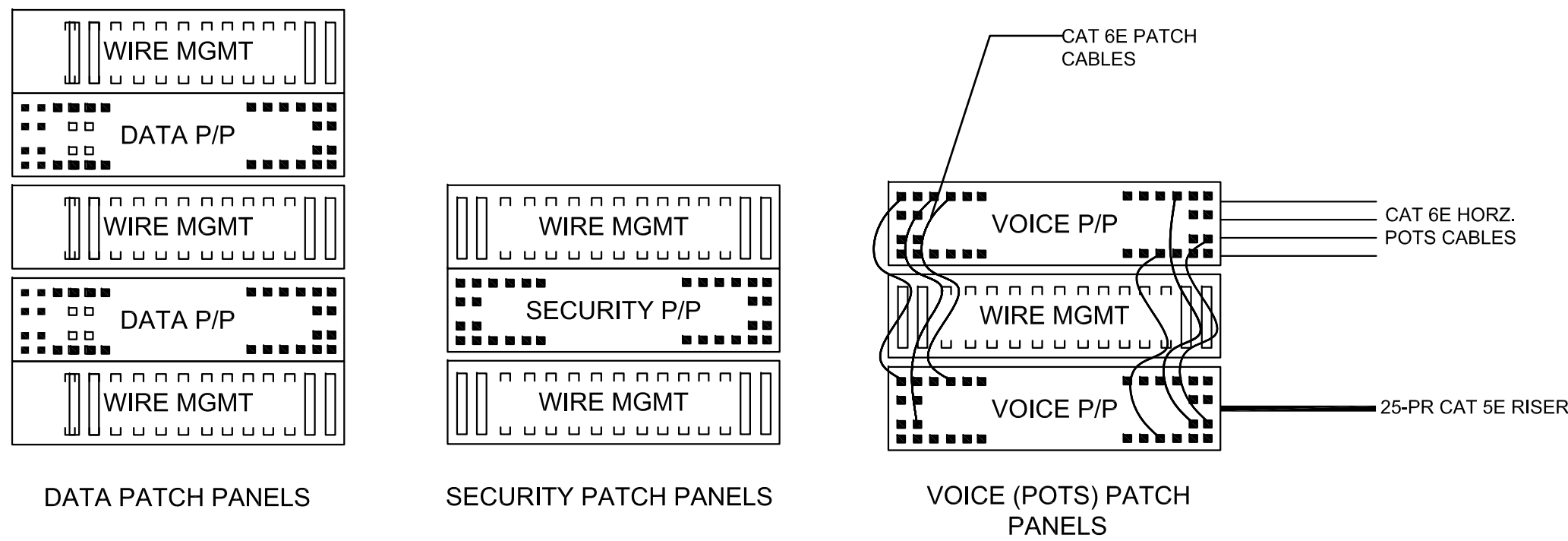
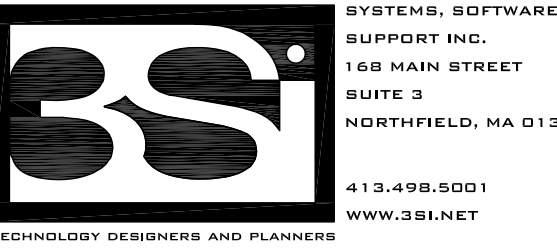
T2-1



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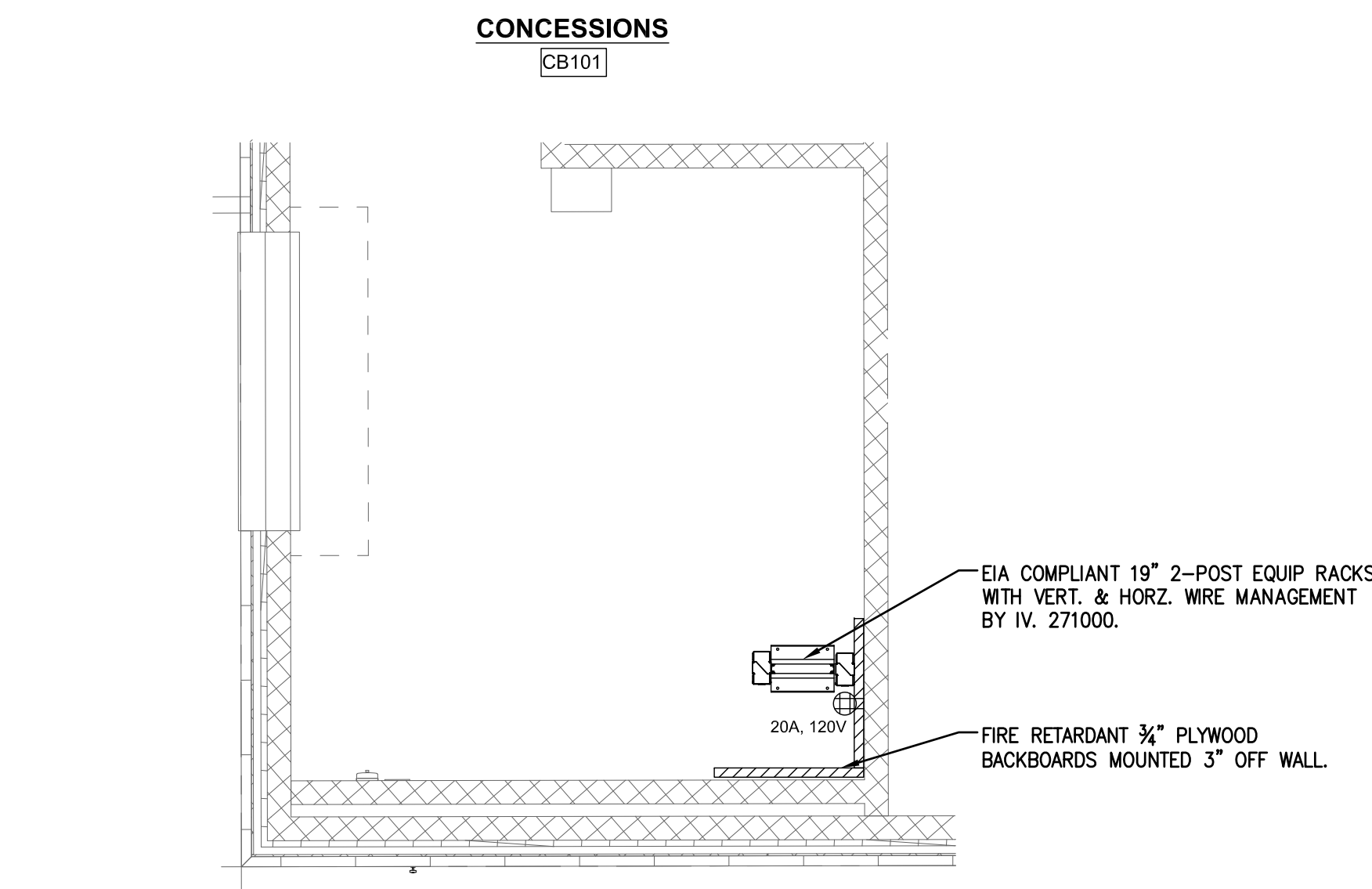
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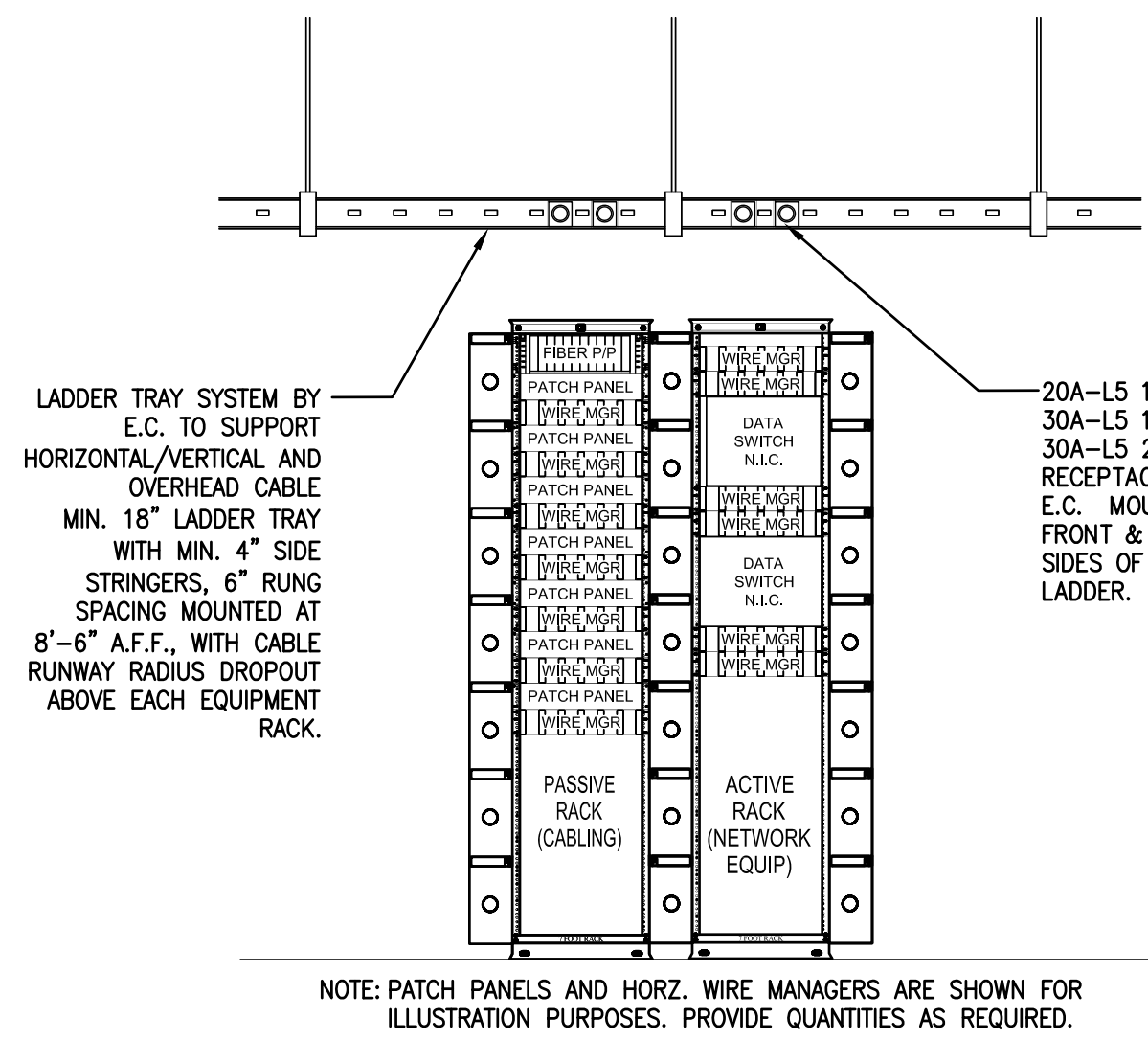


NOTE: PATCH PANELS AND HORIZ. WIRE MANAGERS ARE SHOWN FOR ILLUSTRATION PURPOSES. PROVIDE QUANTITIES AS REQUIRED.

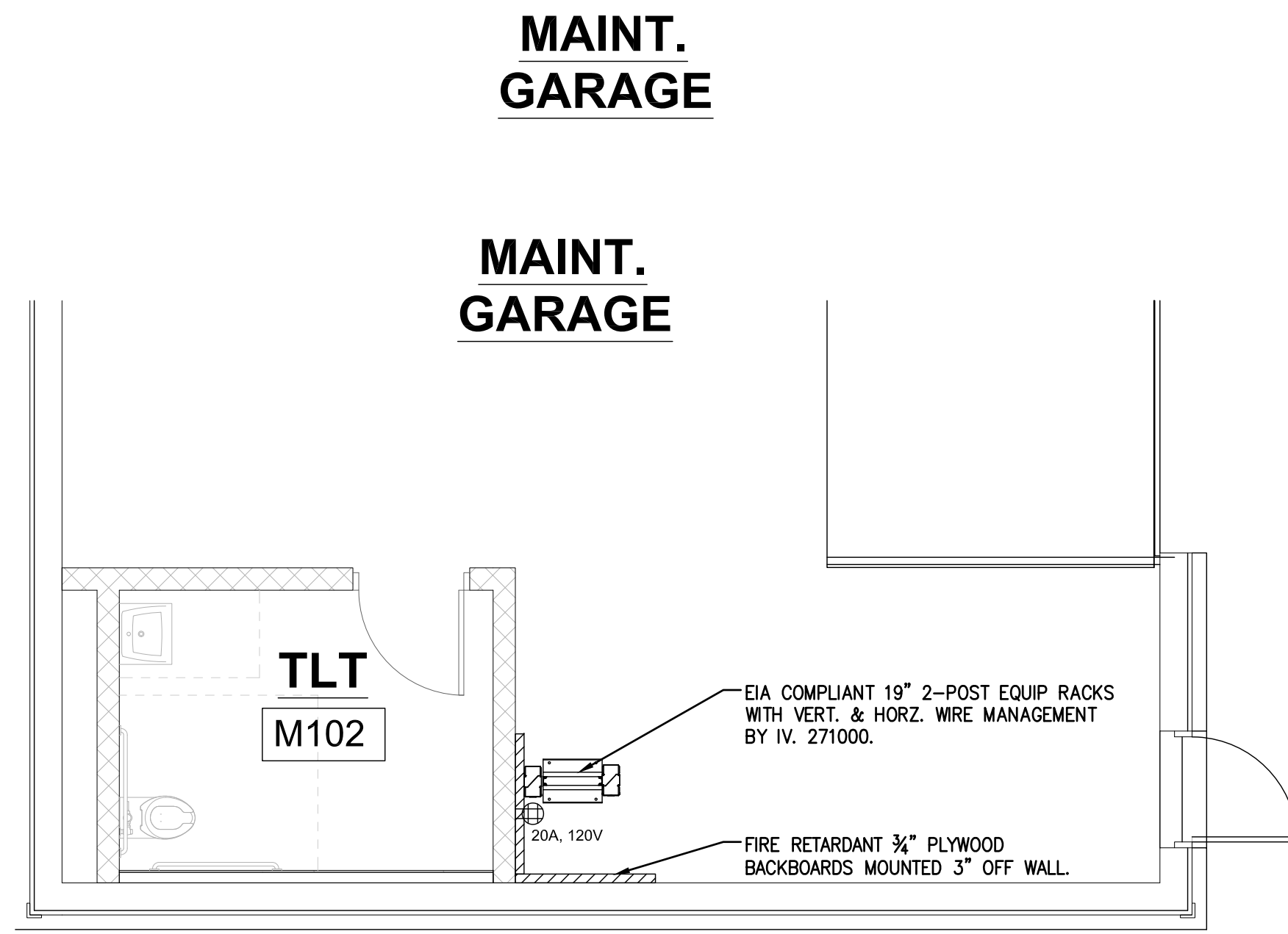
6 PATCH PANEL AND WIRE MANAGER LAYOUTS
DATA, SECURITY, AND VOICE (POTS) PATCH PANELS
SCALE: N.T.S.



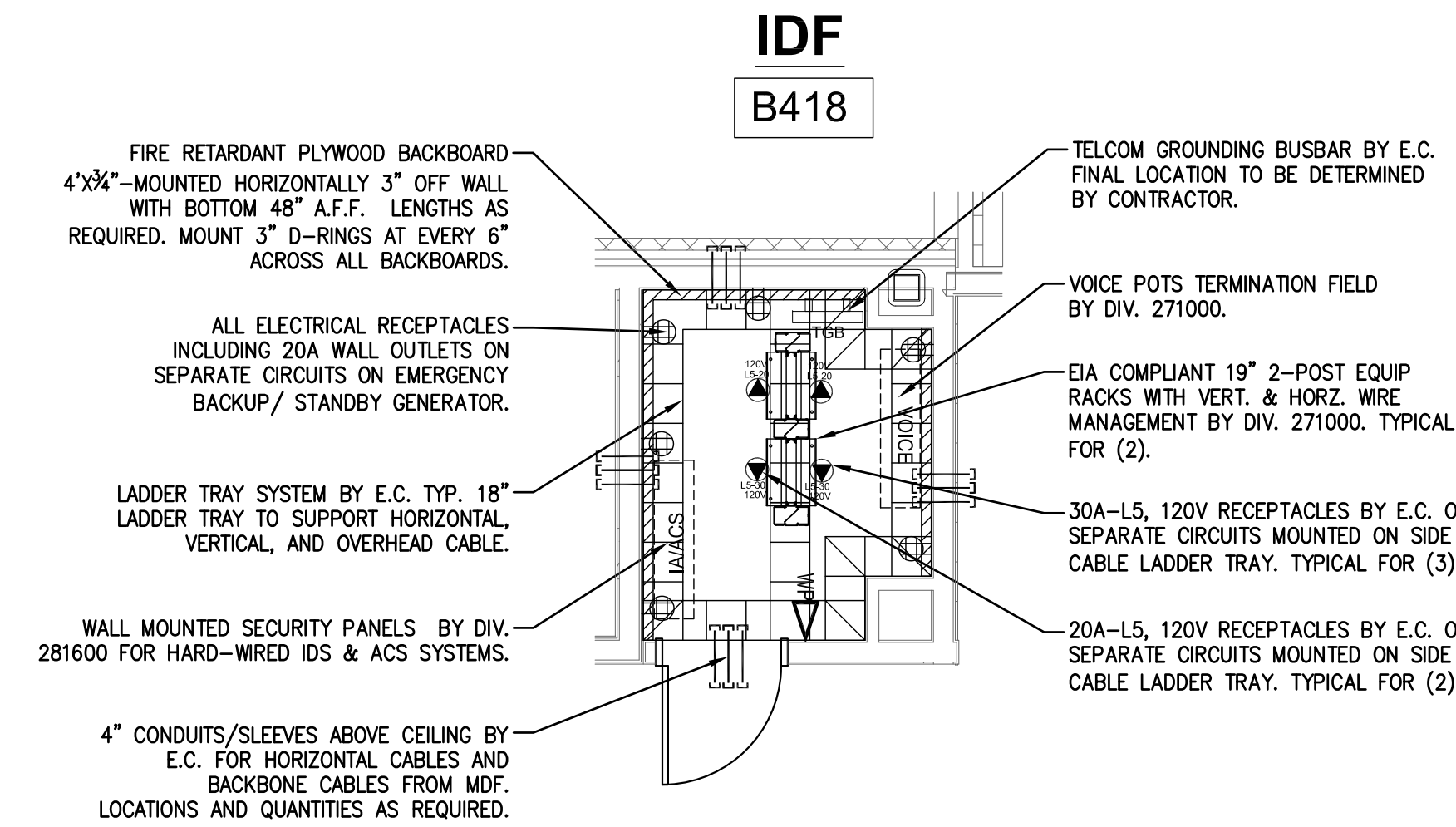
3 CONCESSION BUILDING IDF
SCALE: 1/4" = 1"



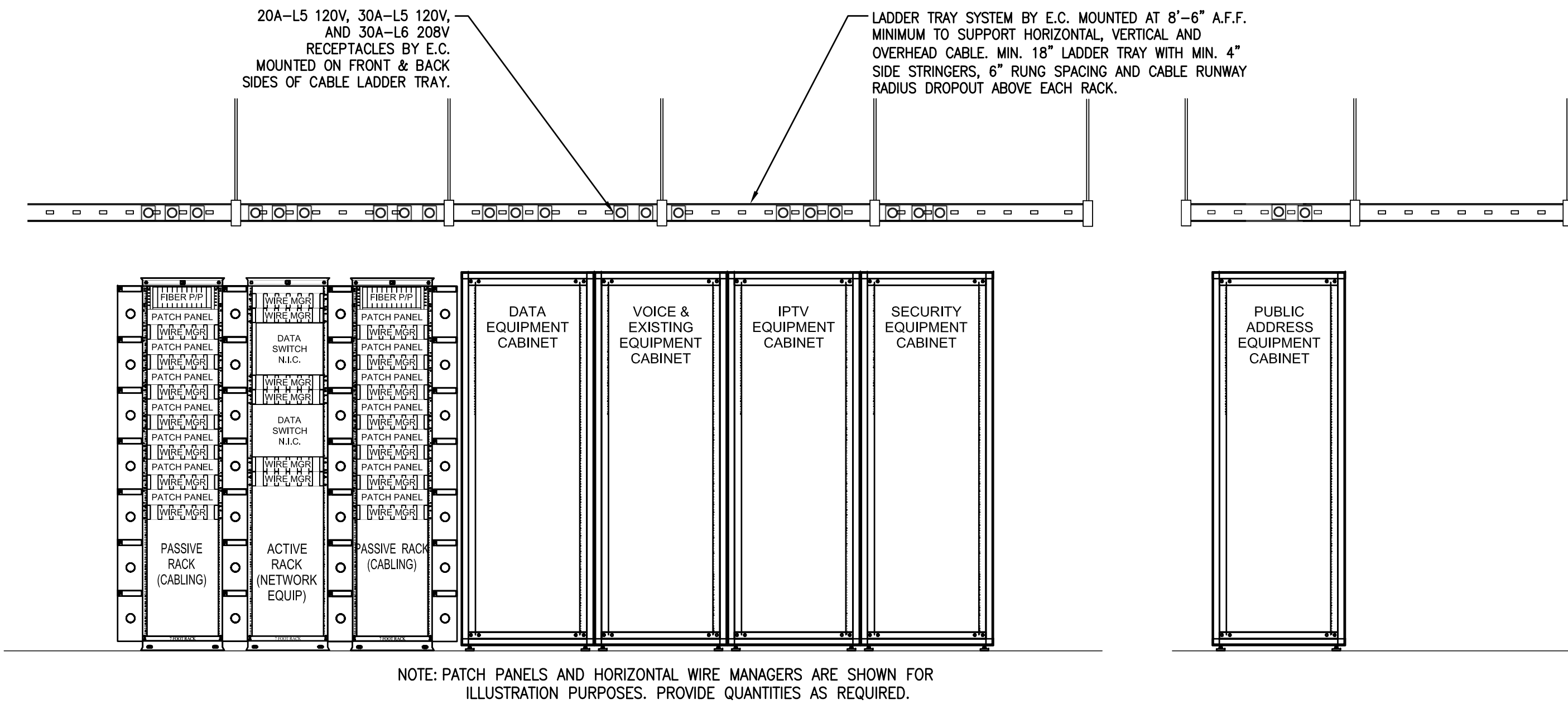
8 RACK ELEVATIONS AND DETAILS
IDF A153, B111, C102, C202, AND D215
SCALE: N.T.S.



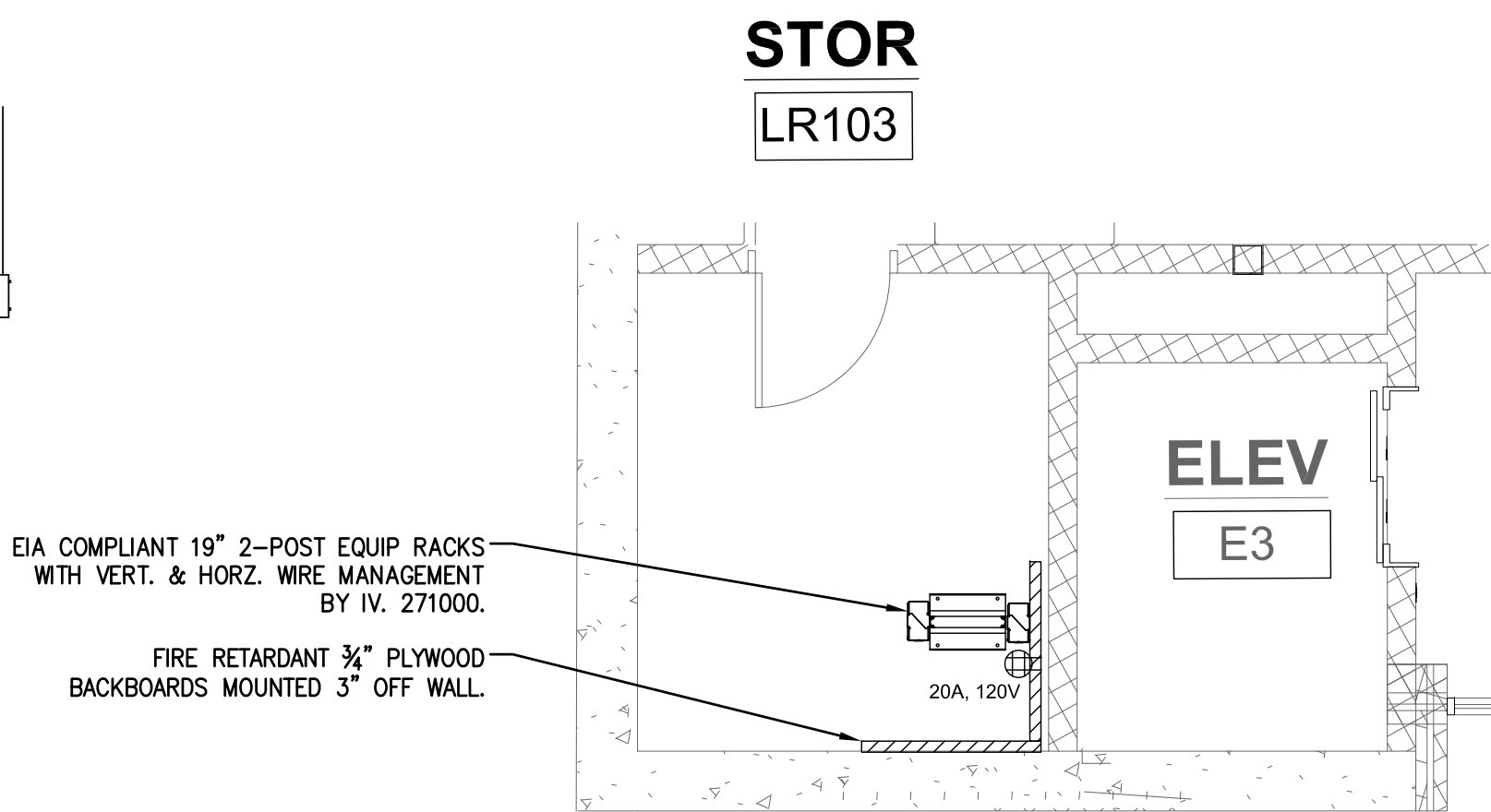
5 MAINTENANCE BUILDING IDF
SCALE: 1/4" = 1"



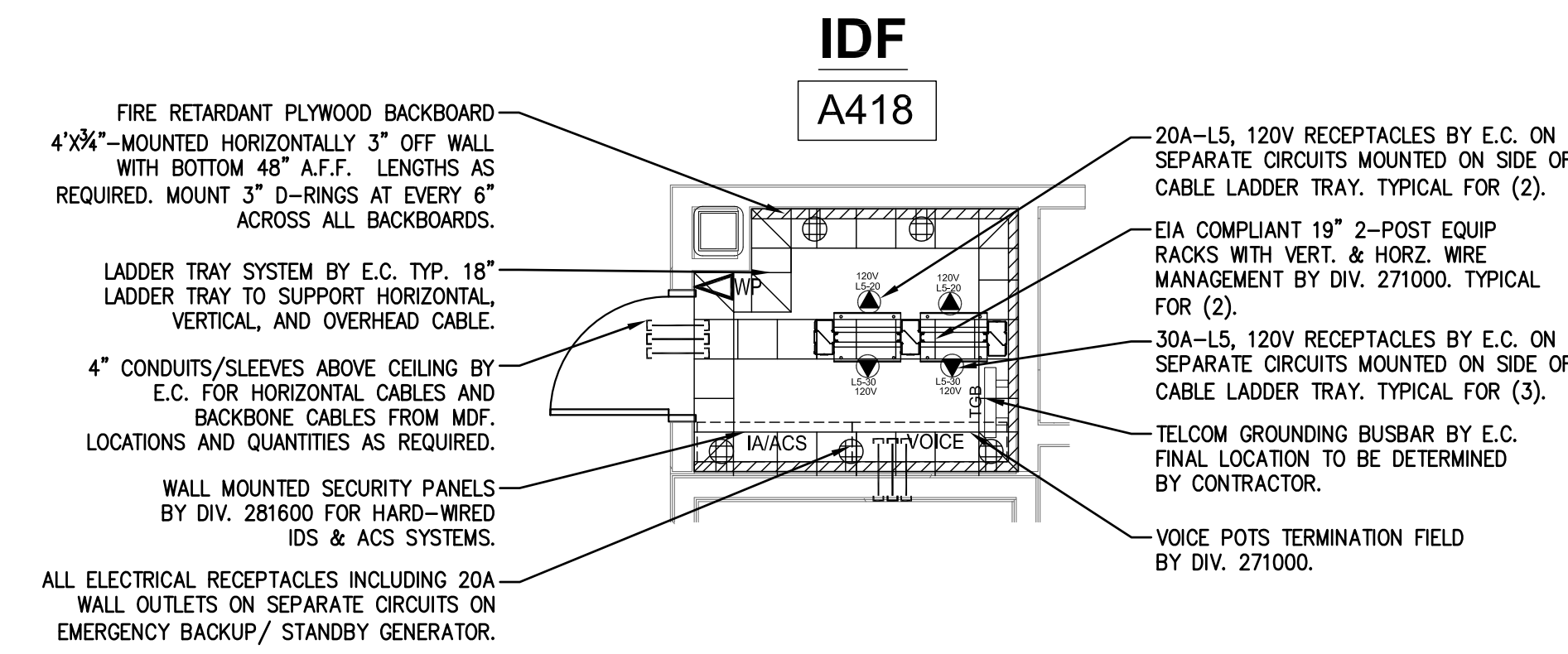
2 IDF B418 ENLARGED PLAN
SCALE: 1/4" = 1"



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

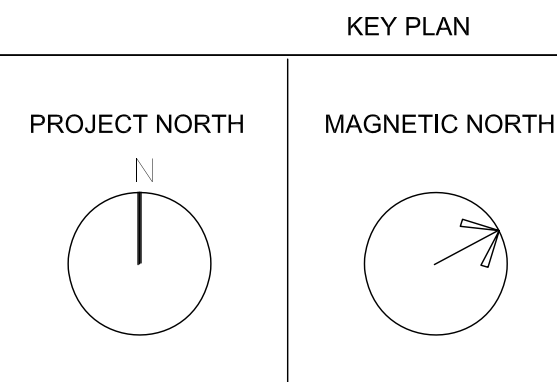
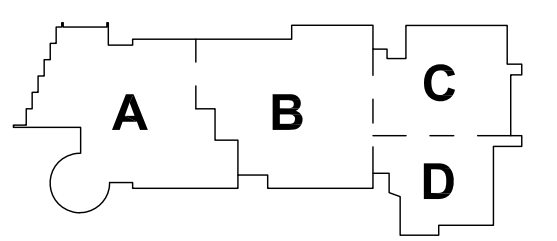


4 LOCKER BUILDING IDF
SCALE: 1/4" = 1"



1 IDF A418 ENLARGED PLAN
SCALE: 1/4" = 1"

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ENLARGED PLANS AND RACK DETAILS TECHNOLOGY

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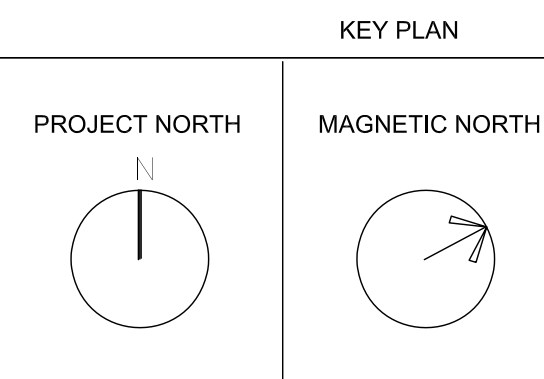
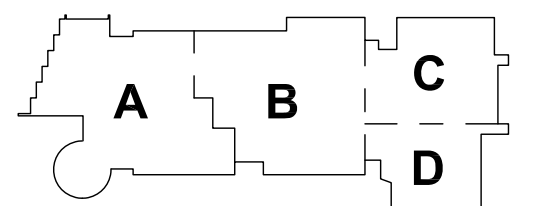
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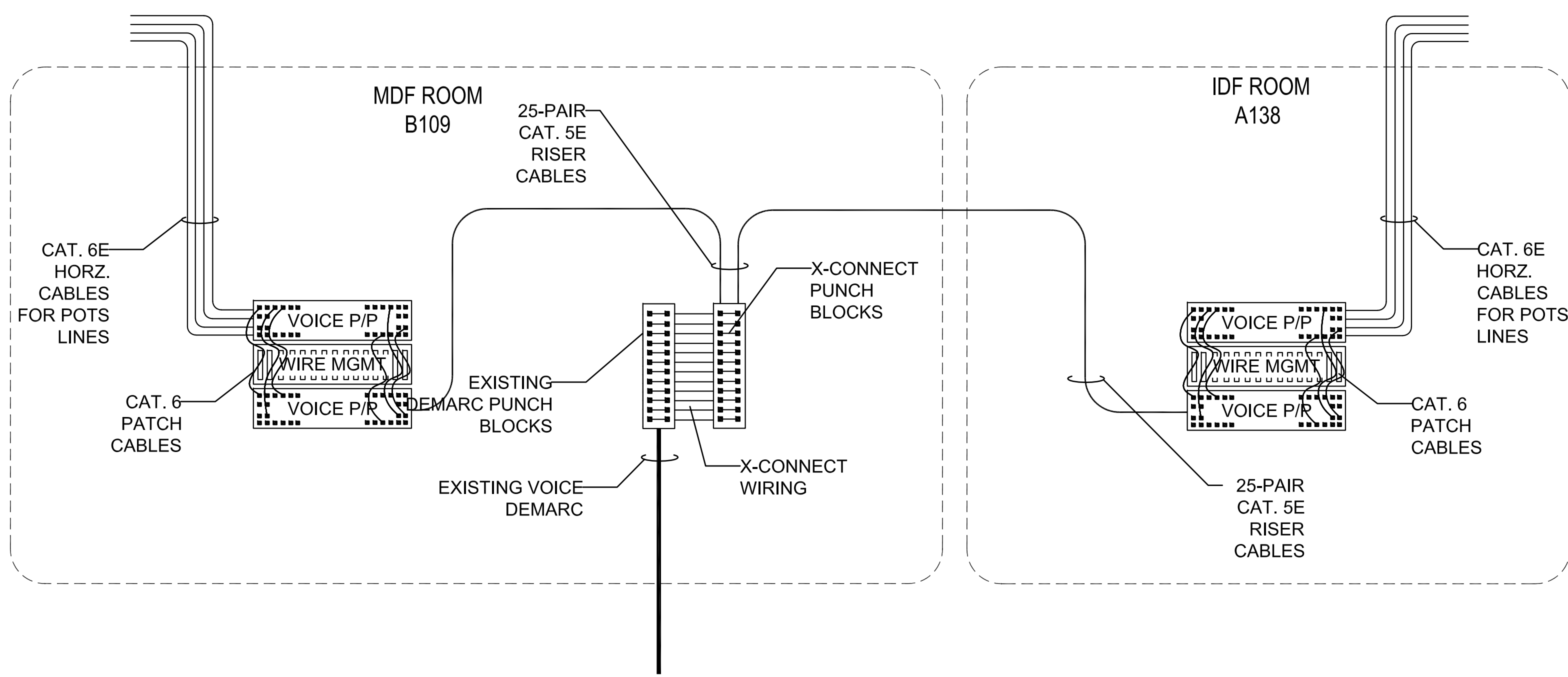
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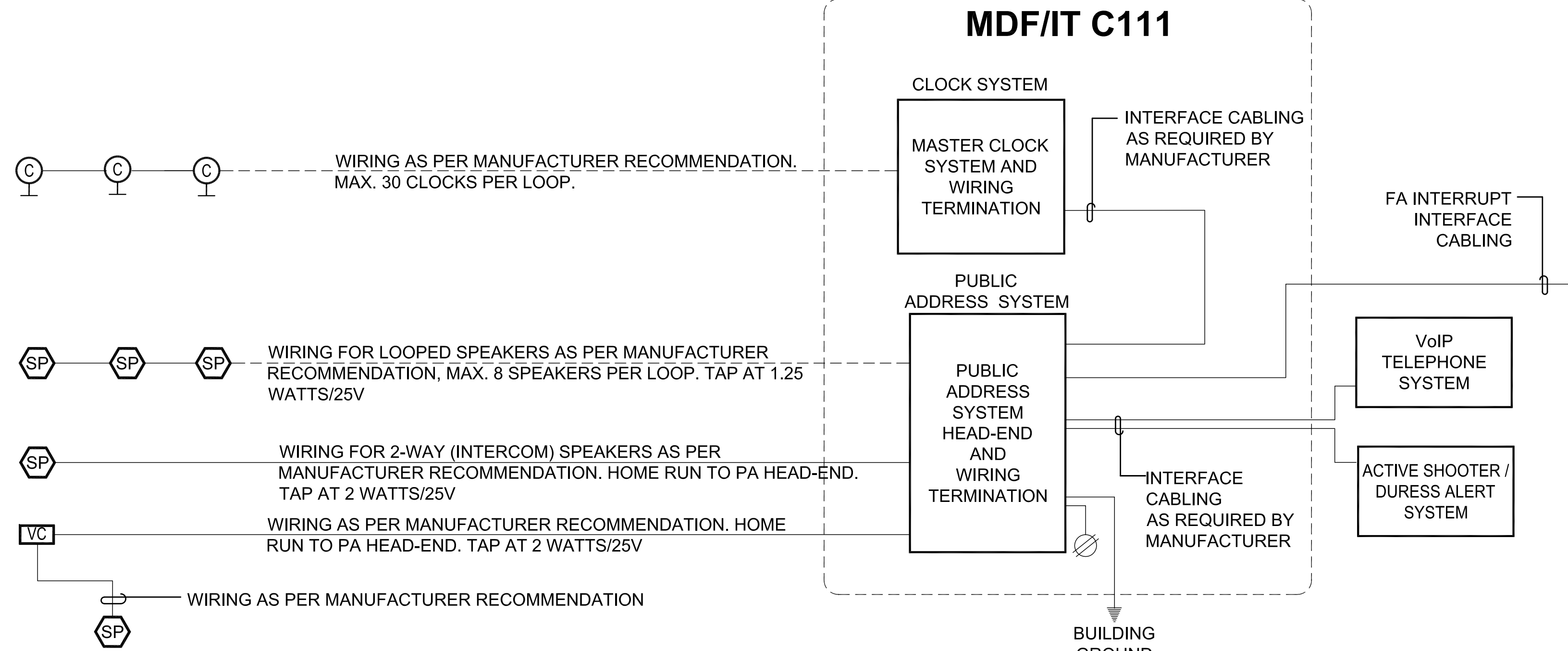
**RISER
DIAGRAMS
TECHNOLOGY
AND SECURITY**

Scale: NONE
Job No.: 20202
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Date: 01/13/2023

T2-3



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



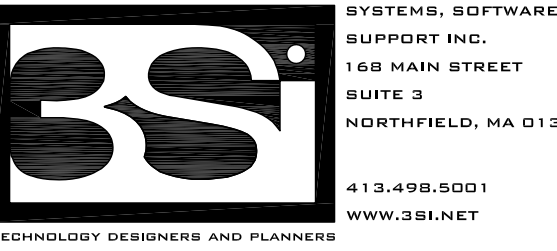
1 PUBLIC ADDRESS & CLOCK SYSTEMS RISER DIAGRAMS
SCALE: NONE



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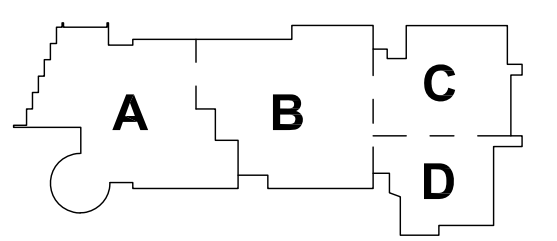
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SYSTEMS, SOFTWARE, SUPPORT, INC.
148 MAIN STREET
SUITE 3
WAKEFIELD, MA 01880
417.347.8001
WWW.BSI-NET

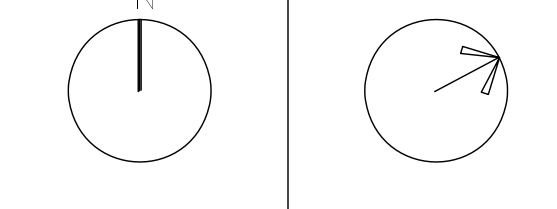
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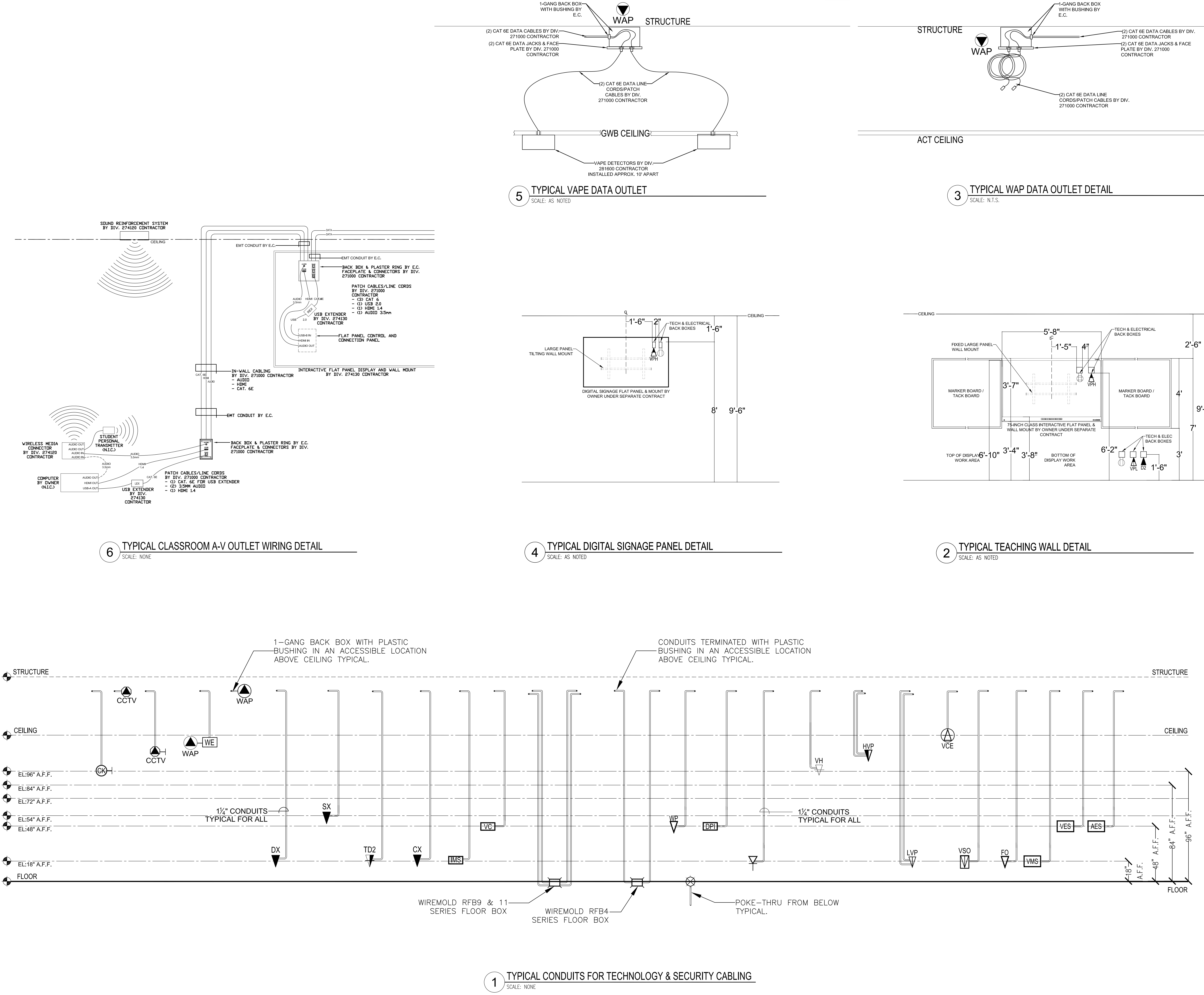
KEY PLAN

PROJECT NORTH MAGNETIC NORTH



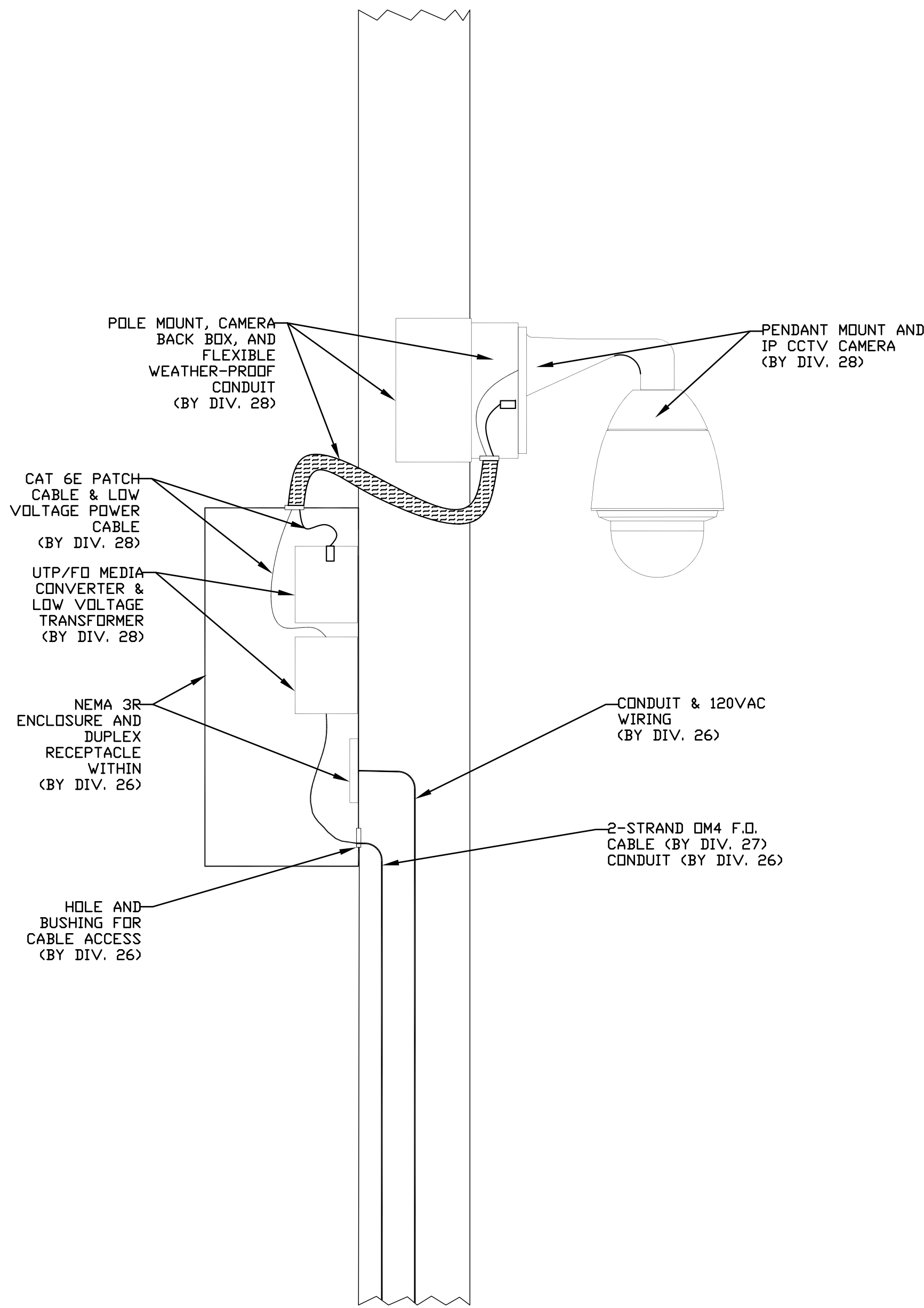
TYPICAL DETAIL DIAGRAMS TECHNOLOGY

Scale: AS NOTED
Job No.: 20202
Drawn By: MLD/AMD
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T2-4

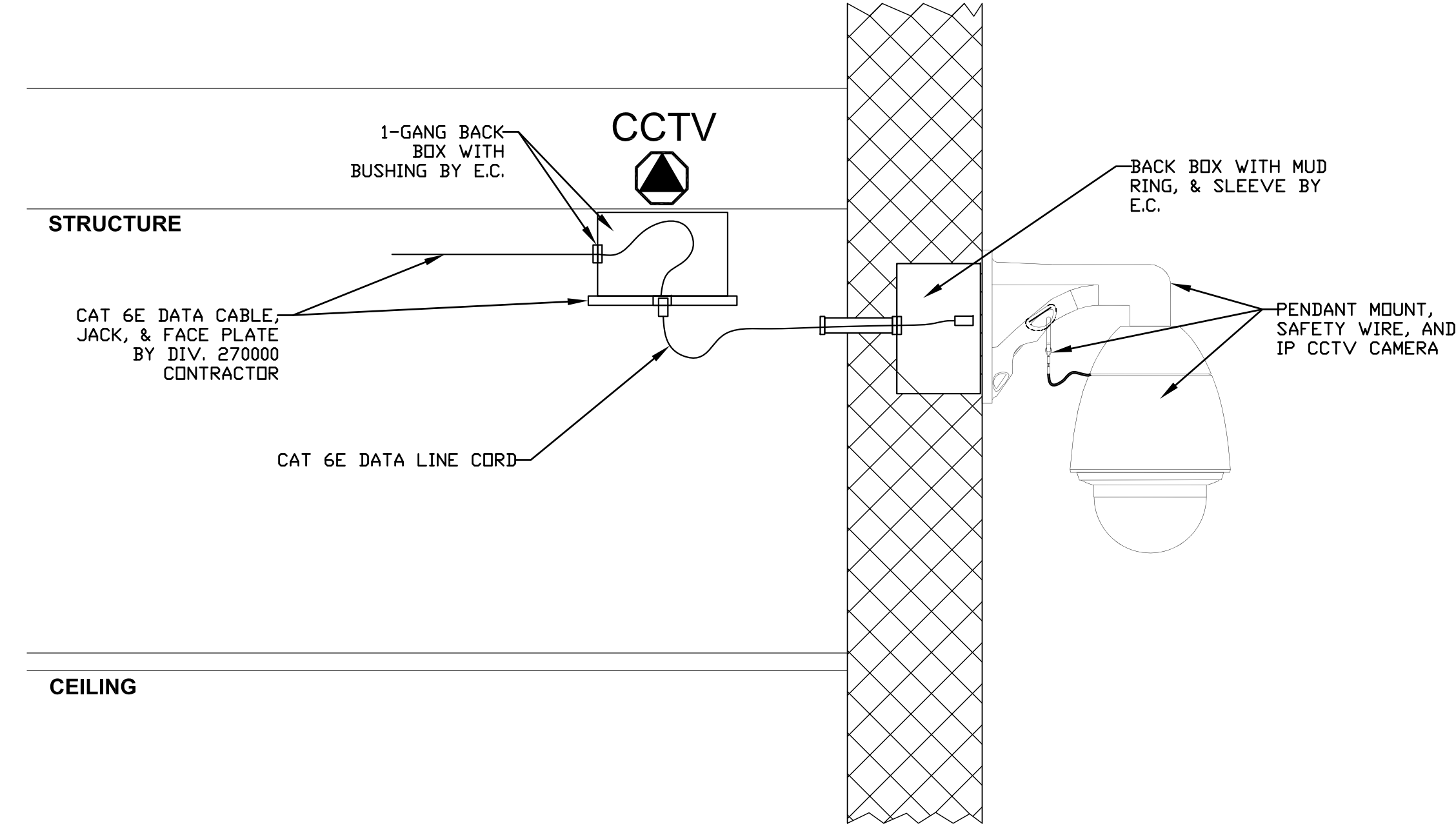


GENERAL NOTES:

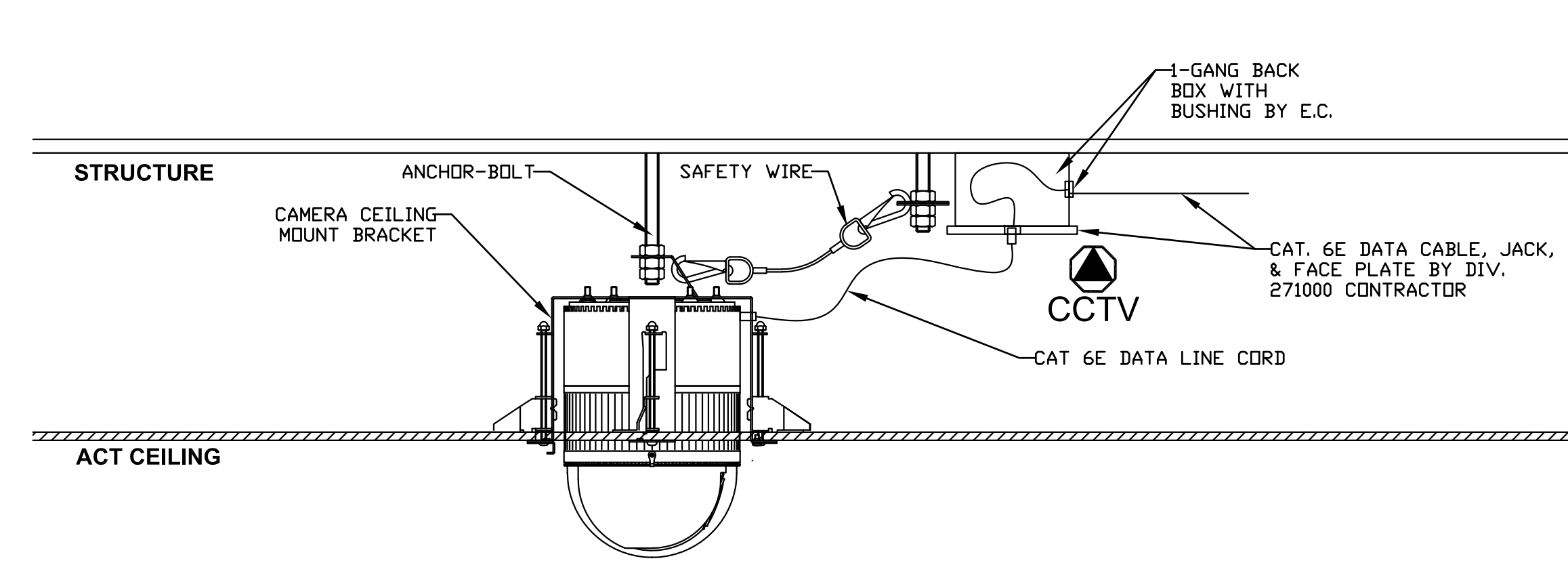
1. PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES.
2. DEVICES SHOWN ARE TYPICAL FOR DEVICES PROVIDED IN THE PROJECT. REFER TO "T" DRAWINGS FOR LOCATIONS AND QUANTITIES.
3. PROVIDE SETUP, TUNING, AND CONFIGURATION OF ALL SYSTEMS.
4. COORDINATE ALL PROGRAMMING WITH OWNER'S FACILITY AND I.T. STAFF.
5. CCTV SYSTEM AND ACCESS CONTROL DEVICES SHALL BE INTEGRATED WITH THE EXISTING DISTRICT ACCESS CONTROL AND VIDEO 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



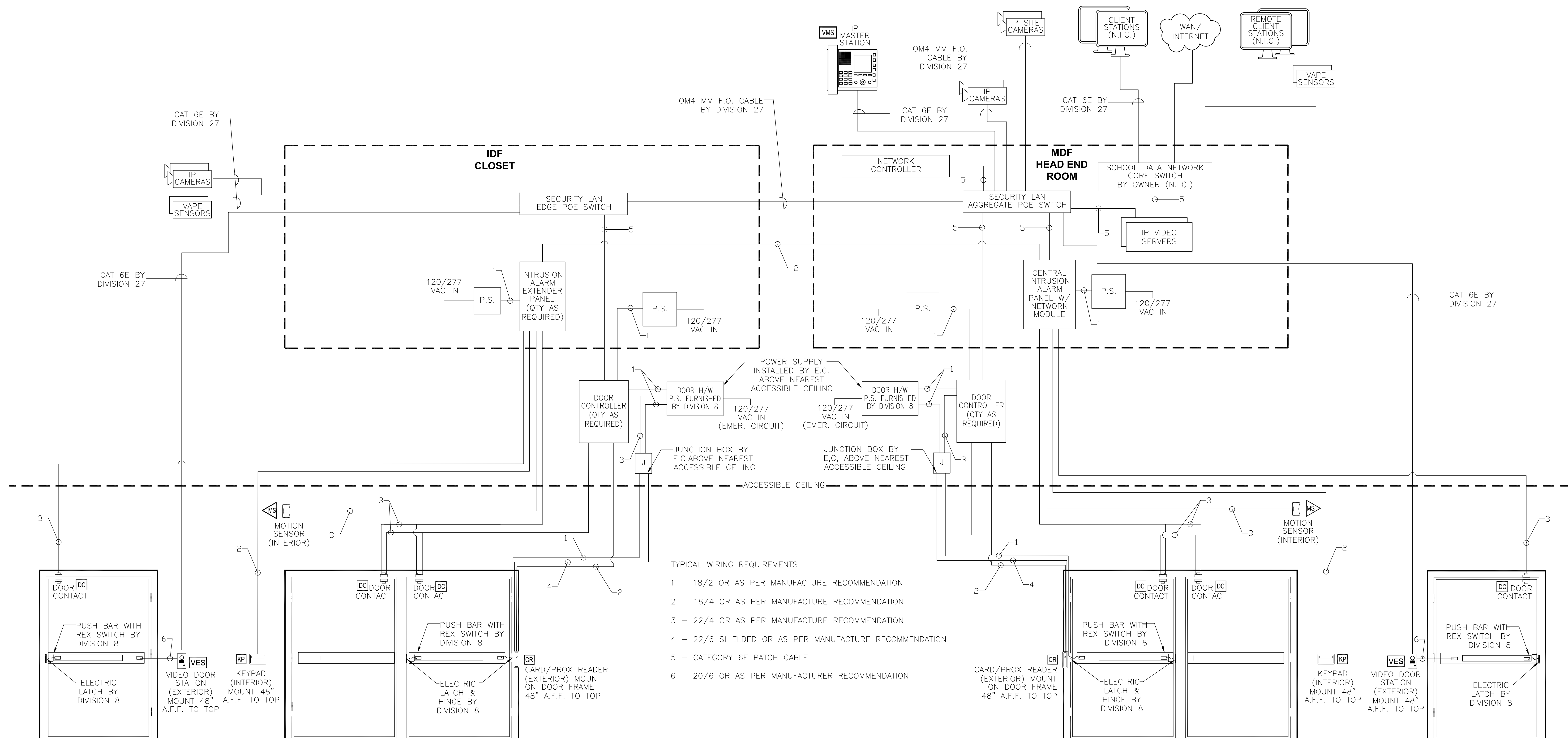
3 TYPICAL POLE MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



3 TYPICAL BUILDING EXTERIOR MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



22 TYPICAL CEILING MOUNTED CCTV CAMERA DETAIL
SCALE: NONE



1 TYPICAL INTEGRATED ELECTRONIC SECURITY SYSTEM WIRING
SCALE: NONE

DRA

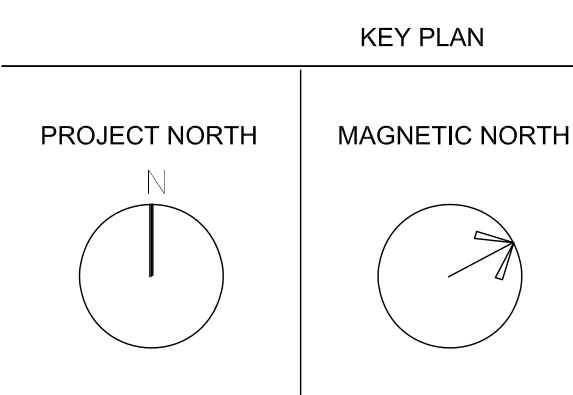
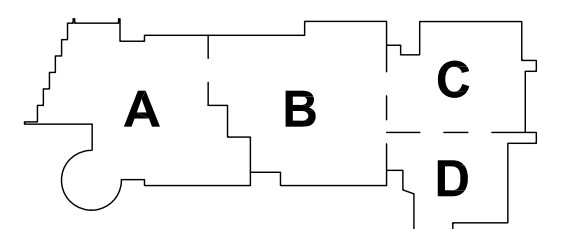
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TYPICAL WIRING
AND DETAIL
DIAGRAMS
SECURITY

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