POWER		LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS (CONT DESCRIPTION						VIDEO SYSTEM SYMBOLS						
REQUIRED	SYMBOL	(REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS) BLUETOOH PLATE		BACK BOX	NOTES REFER TO	POWER REQUIRED	SYMBOL	DESCRIPTION	LOCATION	FACEPLATE	NOTES	POWER REQUIRED	SYMBOL	
NONE	\ 	BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT	AS NOTED	2-GANG	NOTE O REFER TO	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 T2-3,	Rids	REFER TO NOTES A, N	120 VAC ONE	DX (X)	DX – RJ–45 WIRE DX =
NONE		¾" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	OR SUSPENDED FROM CEILING ON CEILING		REFER TO				12–3, DETAIL 4			ONE DUPLEX FOR EACH DATA DROP	V	UX = (X) = SEPAF (IP)
NONE		LOCAL AUDIO SYSTEM SUBWOOFER SPEAKER, CEILING MOUNTED ¾" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK LOCAL AUDIO SYSTEM SPEAKER, SURFACE WALL MOUNTED	OR SUSPENDED FROM CEILING	N/A	NOTE O	120 VAC ONE DUPLEX	(A) VCE	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	RJ45 RJ45	REFER TO NOTES A, N	120 VAC ONE	(F)	(IP TD2 – ONE
NONE	<u>LSS</u> xxx	¾" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK         XXX- LSS = LOCAL SOUND SPEAKER, FILL=FILL IN SPEAKER, SUB=SUBWOOFER SPEAKER	96" A.F.F. OR AS NOTED SUSPENDED	N/A	REFER TO NOTE O							DUPLEX PLUS RECEPTACLE FOR		PANEI TWO NEARI
	<u>s</u> , xxx		CEILING OR STRUCTURE	N/A	REFER TO NOTE O	120 VAC ONE QUAD	FLATPANEC	DIGITAL SIGNAGE FLAT PANEL DISPLAY: 65" CLASS DIAGONAL UNLESS OTHERWISE NOTED DIGITAL SIGNAGE FLAT PANEL DISPLAY.	REFER TO T2-3, DETAIL 4	N/A	REFER TO NOTES N	COPIER		(F) =
120 VAC ONE DUPLEX	(VPO)	VIDEO PROJECTOR OUTLET: BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL EQUIPMENT RACK FOR AUDIOVISUAL CABLING.	AS NOTED	1-GANG	REFER TO NOTE O			VIDEO SURVEILLANCE CAMERA SYMBOLS				NONE	$\nabla^{WP^{(IP)}}$	ONE NEARE (IP) =
120 VAC ONE QUAD	$\bigcirc$	LARGE VENUE VIDEO PROJECTOR: REFER TO SPECIFICATIONS FOR DETAILS.	AS NOTED	N/A	REFER TO NOTE O	POWER REQUIRED	SYMBOL	DESCRIPTION H.264 HD IP CCTV DOME CAMERA WITH IR	TYPICAL LOCATION ON CEILING,	BACK BOX	NOTES REFER TO		(X)	TELEF
						PoE	CAM-		OR 15' TO 25' A.F.G.	TWO GANG	REFER TO NOTE I REFER TO	NONE	Ŧ	VOICE FIELD
						PoE		COLOR, DAY/NIGHT, PoE, VARIABLE FOCAL LENGTH LENS. OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	25' A.F.G. TYPICAL.	TWO GANG	NOTE I			
						PoE		H.264 HD 180 <sup>0</sup> MULTI-LENS IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PoE, VARIABLE FOCAL LENGTH LENS. INDOOR/OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	OR 15' TO 20' A.F.F./A.F.G.	TWO GANG	REFER TO NOTE I	NONE		P) DPI – ONE ( NEARE
						PoE		H.264 HD 270° MULTI-SENSOR IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PoE, VARIABLE FOCAL LENGTH LENS. INDOOR/OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	ON CEILING, OR 15' TO 25'	TWO GANG	REFER TO NOTES A, G			(SIP)
								H.264 HD 360" MULTI-SENSOR IP CCTV CAMERA WITH IR	A.F.F./A.F.G. ON CEILING, OR 15	Т₩О	REFER TO NOTE	NONE	WAP	WAP – TWO CABLE
							360 -RES-MNT	REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW.	TO 25' A.F.F./A.F.G.	GANG				WAP -
								LDC = LDCATION E - EXTERIOR/OUTDOOR CAMERA I - INTERIOR/INDOOR CAMERA				NONE	WAP	TWO
								TYP = CAMERA TYPE D - DOME, MD - 3 OR 4 MULTI-SENSOR DOME, B - BULLET/BOX, FE - FISHEYE, PTZ - PAN RES = RESOLUTION	/TILT/ZOOM					
								1, 2, 3, 5, 8, 9, 12, 15, 20, 24, DR 32 (MEGAPIXEL) MNT = CAMERA MDUNTS CE - CEILING MDUNTED				POWER REQUIRED	SYMBOL	
								SW – SURFACE WALL MOUNTED PW – PENDANT WALL MOUNTED PP – PENDANT POLE MOUNTED PC – PENDANT CORNER MOUNTED					ссти	CCTV ONE CABL
								DOOR AUDIO / VIDEO INTERCOM CONTROL SYSTE	M			PoE		AND
						POWER REQUIRED	SYMBOL	DESCRIPTION AES - AUDIO ENTRANCE STATION:	TYPICAL LOCATION	BACK BOX	NOTES		CCTV	CCTV ONE TO S
						12/24 VAC	AES	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	PoE	Ĥ	COOF TO A
						12/24 VAC	VES	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	REFER TO ELEC. DRAWINGS FOR	sx 77	SX – RJ– SYST SYST
						120 VAC ONE DUPLEX	VMS	VMS – VIDEO/MONITOR/HANDSET 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	120 VAC REQUIRED	V	X =
								INTRUSION ALARM SYSTEM SYMBOLS				PoE	VAPE	VAPE - (2) R DATA SYSTE
						POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION DOOR	BACK BOX N/A, CONDUIT	NOTES REFER TO			
						NONE	DC	DC - DOOR CONTACTS, FLUSH MOUNTED: CABLING: #22 AWG 4-CONDUCTOR UNSHIELDED, OR AS PER MANUFACTURER RECOMMENDATION.	FRAME & DOOR	TO DOOR FRAME	NOTE	POWER REQUIRED	SYMBOL	ISC. B
						NONE	MSC	MS – MOTION SENSOR: WALL MOUNTED TYPICAL CABLING: #22 AWG 4–CONDUCTOR, OR AS PER MANUFACTURER RECOMMENDATION.	MAX OF 96" A.F.F. OR 6"	N/A CONDUIT WITH BUSHING	REFER TO NOTE	120 VAC QUAD MINIMUM	DX	INDICAT WIREMO TELEO FLOOF
							• -	C=CEILING <sup>"</sup> MOUNTED	BELOW CEILING	FLUSH TO WALL SURFACE N/A	К	120 VAC QUAD	- <b>X</b>	D2 D2 D2 SPECI
						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 96" A.F.F. OR 6" BELOW	CONDUIT WITH BUSHING FLUSH TO	REFER TO NOTE K			
								SA - SIREN FOR INTRUSION ALARM SYSTEM:	CEILINGS	WALL SURFACE	REFER TO	120 VAC REEL	D D	D1 INDICAT DATA C RETRA
						12/24 VDC	SA	CABLING: #22 AWG 6-CONDUCTOR SHIELDED CABLE, OR AS PER MANUFACTURER RECOMMENDATION, HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	96" A.F.F. MIN. 120"	ONE GANG	NOTE	120 VAC QUAD		INDICAT BACK CABLII
						12/24 VDC	BA	BEACON FOR INTRUSION ALARM SYSTEM, BLUE: CABLING: #22 AWG 6-CONDUCTOR SHIELDED CABLE, OR AS PER MANUFACTURER RECOMMENDATION, HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	A.F.G. COORDINATE LOCATION W/ ARCH.	ONE GANG	REFER TO NOTE K			WE - NON-
						NONE	KP	KP – KEY PAD, WALL MOUNTED: CABLING: #22 AWG 6-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	NONE	WE XX	INSTA WP =
								ACCESS CONTROL SYSTEM SYMBOLS						WIRELE
						POWER REQUIRED	SYMBOL	DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES	POWER	SYMBOL	
						NONE	CR	CR - PROXIMITY/CARD READER: CABLING: #22 AWG 6-CONDUCTOR SHIELDED, OR AS PER MANUFACTURER RECOMMENDATION.	48"	ONE GANG	REFER TO NOTES	NONE	(SP)	PUBLIC
								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.	A.F.F.	GANG	A, L	NONE	SP	PUBLIC
								LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS	-			NONE	(нѕ)	PUBLIC
						POWER REQUIRED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	AS NOTED	BACK BOX	NOTES REFER TO	NONE	(HS)c	PUBLIC
						QUAD DEDICATED		MIDDLE ATLANTIC DRW SERIES AUDIOVISUAL SYSTEM EQUIPMENT WALL RACK	ON DRAWINGS	N/A	NOTE O	NONE	VC	LOCAL
						120 VAC QUAD DEDICATED		MIDDLE ATLANTIC WRK SERIES AUDIOVISUAL SYSTEM EQUIPMENT RACK	AS NOTED ON DRAWINGS	N/A	REFER TO NOTE O	NONE	IMS	PUBLIC IMS - VOICE
						NONE	CTP	AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL: WITH CLEAR PLASTIC SECURITY COVER: PROGRAM CONTROL TOUCH PANEL AS AS REQUIRED BY OWNER	48" A.F.F.	48" A.F.F.	REFER TO			END
						NONE	TPP	BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	AS NOTED	1-GANG	O REFER TO NOTE		SYMBOL	
						NONE		DANTE INPUT WALL PLATE:	96"	ONE	REFER TO NOTE	REQUIRED 120 VAC HARD WIRED	SFR SP	SFR/SF WIREL
						NONE	MON	BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	A.F.F. 18"	GANG 2-GANG	0 REFER TO	WIRED		AND
								BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK AUDIO INPUT WALL PLATE	A.F.F. 18"		NOTE O REFER TO	POWER REQUIRED	SYMBOL	
						NONE		BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	A.F.F.	1-GANG	NOTE O REFER_TO	24 VAC	Ř	LOW VO
						NONE		BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1–GANG	REFER TO		_OCAL	נס
						NONE	MIX	MIXER INPUT WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE O REFER TO	POWER REQUIRED	SYMBOL	
						NONE		VIDEO INPUT WALL PLATE: BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL CONTROL RACK.	18" A.F.F.	2-GANG	NOTE O		VPH VPH	VPH – TWO THHR
						NONE	LVS	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 O	120 VAC ONE DUPLEX	¥	THHRI ONE CONN ONE ASSO
						NONE	(M) CEILING	LOCAL SOUND SYSTEM CEILING MICROPHONE BACK BOX WITH ¾" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING/ SUSPENDED FROM STRUCTURE	1-GANG	REFER TO NOTE O			ASSOC ONE OUTLE
						NONE	ALS	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 O			VPL - ONE (
						NONE	RF	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 O	120 VAC ONE DUPLEX	۷	CONN ONE OUTLE ONE
														CONN

CCTV CCTV CABL COC CCTV ONE CCTV A PAT CO0 SX – 1 = X \_\_\_\_\_ VAPE VAPE SYS MISC. SYMBOL ELO INDICA WIR -X D2 POK RET \_\_\_\_\_ INDICA BAC CABL \_\_\_\_\_ WE -NON WE INST XX WP WIRELE SYMBOL \_\_\_\_\_ (HS) PUBLI HS C PUBLI \_\_\_\_\_ \_\_\_\_\_ PUBL VOIC END SYMBOL SFR/ SFR SP WIR AND SYMBOL LOW  $\mathbb{C}\mathbb{K}$  X = D'LOCAL INS SYMBOL \_\_\_\_\_ VPH TWC THE ONE CON ONE ASS ONE OUT VPL ·

	TELECOMMUNICATIONS WORK AREA OUTLET SYMBO	DLS						
1	WORK AREA OUTLETS AND CABLING	TVDIA*	TVDIO					
SYMBOL	DESCRIPTION DX - DATA OUTLET: RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST	TYPICAL LOCATION		NOTES				
DX <sup>(X)</sup>	<ul> <li>KJ-45, CAL. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER.</li> <li>DX = NUMBER OF DATA JACKS - (1, 2, 3, 4, 5, 6).</li> <li>(X) = VOIP PHONE HANDSET TYPE. VOIP HANDSETS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.</li> <li>(IP) = VOIP PHONE HANDSET,</li> <li>(IP, CNF) = VOIP CONFERENCE PHONE.</li> </ul>	18" A.F.F. OR AS NOTED.		REFER TO NOTE A				
TD2 V	<ul> <li>TD2 - TEL/DATA WORK AREA OUTLET:</li> <li>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.</li> <li>TWO (2) RJ-45, CAT. 6E, 8-POSITION CONNECTORS FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER.</li> <li>(F) = ONE (1) DEDICATED FAX LINE.</li> </ul>	18" A.F.F. OR AS NOTED.		REFER TO NOTES A, B				
WP <sup>(IP)</sup>	"VoIP" 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 HANDSET PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	48" A.F.F.		REFER TO NOTE A				
(X) 子	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:	18" A.F.F.		REFER TO NOTE B				
	E = DEDICATED EMERGENCY ELEVATOR LINE, F = DEDICATED FAX LINE, M = DEDICATED MODEM LINE, T = DEDICATED POTS VOICE LINE.							
DPI (SIP)	<ul> <li>DPI – DOOR PHONE INTERCOM OUTLET:</li> <li>ONE (1) CAT. 6E, RJ-45 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER.</li> <li>(SIP) = DOOR PHONE/INTERCOM SIP DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.</li> </ul>	48" A.F.F.		REFER TO NOTE A				
WAP	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.	R 45 R 45 R 45 R 45 R 45 R 45 R 45 R 45	REFER TO NOTE A				
WAP H	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 REFER TO DWGS. FOR HEIGHTS AND LOCATIONS.	R345 R345	REFER TO NOTES A, H				
SYMBOL	SECURITY AND BUILDING SYSTEMS SYMBOLS	TYPICAL	TYPICAL FACEPLATE	NOTES				
CCTV	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				
CCTV	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 & ELEVATION PRIOR TO INSTALLATION		REFER TO NOTES A, I				
∑sx	<ul> <li>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.</li> <li>X = NUMBER OF DATA JACKS - (1, 2, 3, 4, 5, 6).</li> </ul>	COORDINATE WITH E.C. AND/OR HVAC CONTRACTOR		REFER TO NOTES A				
VAPE	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 PoE SWITCHES FOR BUILDING SYSTEMS.	ABOVE CEILING		REFER TO NOTES A				
MIS	C. BACK BOXES, FLOOR BOXES, BRACKETS AND ENCLOSU	1						
	DESCRIPTION INDICATES TELECOMMUNICATIONS OUTLETS MOUNTED IN COMBINATION ELECTRICAL / LOW VOLTAGE WIREMOLD RFB SERIES, OR EQUAL FLOOR BOX. REFER TO ELECTRICAL SPECIFICATIONS. TELECOMMUNICATIONS CONNECTOR TYPES AS INDICATED BY TELECOMMUNICATION SYMBOLS. FLOOR BOX PROVIDED BY E.C.	TYPICAL LOCATION IN FLOOR	ENCLOSURE BACK BOX	NOTES				
- 🎘 🗲 D2	INDICATES TELECOMMUNICATIONS POKE-THRU DEVICE. WIREMOLD RC SERIES, HUBBELL SYSTEM ONE SERIES, OR EQUAL. REFER TO ELECTRICAL SPECIFICATIONS. TELECOMMUNICATIONS CONNECTORS AS INDICATED BY THE TELECOMMUNICATIONS SYMBOLS. POKE-THRU DEVICE PROVIDED BY E.C.	IN FLOOR	N/A	N/A				
<b>()</b>	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				
	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 ON DRAWINGS	ONE GANG	N/A				
WE XX	<ul> <li>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.</li> <li>WP = WEATHER PROOF ENCLOSURE</li> <li>WIRELESS ACCESS POINT DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.</li> </ul>	ON WALL MOUNTED OVER "WAP" OUTLET. REFER TO DWG. NOTES FOR HEIGHT.	N/A	REFER TO NOTES A, H				
SYMBOL	PUBLIC ADDRESS SYSTEM SYMBOLS DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES				
SP	PUBLIC ADDRESS SPEAKER, FLUSH CEILING MOUNTED	ON CEILING	SPECIAL	REFER TO NOTE C				
(SP)	PUBLIC ADDRESS SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	COORDINATE WITH ARCHITECT	SPECIAL	REFER TO NOTE C				
(HS)	PUBLIC ADDRESS HORN SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	COORDINATED WITH ARCHITECT	SPECIAL	REFER TO NOTE C				
ныс	PUBLIC ADDRESS HORN SPEAKER, IN A 4" DEEP BACK BOX SURFACE MOUNTED ON DECK	COORDINATED WITH ARCHITECT	SPECIAL	REFER TO NOTE C				
	LOCAL PUBLIC ADDRESS SPEAKER VOLUME CONTROL	48" A.F.F.	ONE GANG	REFER TO NOTE C				
IMS	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				
	CLASSROOM SPEECH REINFORCEMENT SYSTEM SYM	BOLS						
SYMBOL	DESCRIPTION SFR/SP – SPEECH REINFORCEMENT SYSTEM:	LOCATION	BACK BOX / FACE PLATE	NOTES				
SFR SP	WIRELESS CLASSROOM SPEECH REINFORCEMENT SYSTEM CEILING PANEL WITH RECEIVER, AMPLIFIER, AND SPEAKERS.	ON CEILING	N/A	REFER TO NOTE D				
SYMBOL	CLOCK SYSTEM SYMBOLS DESCRIPTION	TYPICAL LOCATION	FACEPLATE	NOTES				
Ř	LOW VOLTAGE WIRED CLOCK, SURFACE WALL MOUNTED X = DIAMETER (TYPICAL 12.5" OR 16" AS NOTED ON DRAWINGS)	96" A.F.F.	N/A	REFER TO NOTE E				
DCAL	INSTRUCTIONAL AUDIOVISUAL PRESENTATION CABLING SY	YSTEM S	YMBOLS					
VPH	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 THHRE3NEAREST WIRE CENTER. ONE (1) ONE RJ-45, CAT 6E, 8-POSITION CONNECTOR WITH CAT. 6E CABLE HOME RUN TO RJ-45 CONNECTOR IN ASSOCIATED VPL OUTLET. ONE (1) HDMI CONNECTOR WITH HIGH PERFORMANCE 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.	LOCATION REFER TO ARCH. DETAILS AND DRAWING T2-3, DETAIL 2	FACEPLATE	NOTES REFER TO NOTES A, F, N				
VPL	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 VPH OUTLET. ONE (1) 3.5MM AUDIO CONNECTOR FOR SOUND CABLED TO 3.5MM CONNECTOR IN ASSOCIATED VPH OUTLET. ONE (1) RJ-45, CAT 6E, 8-POSITION CONNECTOR WITH CAT. 6E CABLE HOME RUN TO RJ-45 CONNECTOR IN ASSOCIATED VPH OUTLET.	18" A.F.F.	AUDIO O HDMI · · · · · · · · · · · · · · · · · · ·	REFER TO NOTE F				

# GENERAL NOTES

- REQUIREMENTS.
- 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE
- ONE STUD BAY APART.
- 5. FIELD VERIFY EXACT LOCATIONS FOR ALL TELECOMMUNICATION DEVICES.

# SCOPE OF WORK NOTES

- NOTE A: DATA/IP NETWORK SYSTEM
- ENCLOSURE CABINETS FOR A PHYSICALLY SEPARATE TECHNOLOGY DATA NETWORK AND A SEPARATE SECURITY/BUILDING SYSTEMS DATA NETWORK.
- TERMINATED ON SEPARATE SECURITY/BUILDING SYSTEMS PATCH PANELS.
- TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS. NOTE B: VOICE SYSTEM
- FOR POTS LINES ARE TO BE TERMINATED ON SEPARATE VOICE (POTS) PATCH PANELS. EQUIPMENT INCLUDING HANDSETS WILL BE PROVIDED BY THE OWNER UNDER SEPARATE CONTRACT. SYSTEM TO THE PA/INTERCOM SYSTEM.
- BACKBOARDS FOR TERMINATION FIELDS. NOTE C: PUBLIC ADDRESS / INTERCOM SYSTEM
- BOXES TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. PUBLIC ADDRESS/INTERCOM SYSTEM.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL SERVICE AND PATHWAYS INCLUDING BACKBOARDS FOR TERMINATION FIELDS. NOTE D: CLASSROOM SPEECH REINFORCEMENT SYSTEMS THE CLASSROOM SOUND/SPEECH REINFORCEMENT DIVISION 274120 CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR THE WIRELESS

AND TO ALL LOCAL SOUND SYSTEMS.

- NOTE E: CLOCK SYSTEM THE CLOCK SYSTEM DIVISION 275313 CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LOW VOLTAGE WIRING, AND PROGRAMMING FOR
- BACKBOARDS FOR TERMINATION FIELDS. NOTE F: LOCAL AUDIO-VISUAL CABLING
- CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED. NOTE G: INSTRUCTIONAL INTERACTIVE FLAT PANEL DISPLAYS IPTV CONTRACTOR SHALL INTERFACE ALL DISPLAYS TO THE IPTV SYSTEM.
- PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS. NOTE H: WIRELESS ACCESS POINT ENCLOSURES
- WALL MOUNTED NEMA ENCLOSURES WITH CLEAR COVERS BY OBERON OR EQUAL. MOUNTED ENCLOSURES PRIOR TO ORDERING NOTE I: CCTV VIDEO SURVEILLANCE SYSTEM
- REQUIRED LICENSES.
- BUILDING SYSTEMS IP DEVICES PROVIDED BY OTHERS. TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS.
- CABLE TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS. NOTE J: DOOR AUDIO/VIDEO INTERCOM SYSTEM
- AUDIO/VIDEO INTERCOM SYSTEM TO THE SECURITY SYSTEMS. DOOR HARDWARE EQUIPMENT TO THE DOOR AUDIO/VIDEO ACCESS CONTROL SYSTEM. SLEEVES, BUSHINGS, BACK BOXES, MUD BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED.
- NOTE K: INTRUSION ALARM SYSTEM AND HEAD-END SYSTEM.
- CCTV SYSTEM AND THE ACCESS CONTROL SYSTEM. PLYWOOD BACKBOARDS FOR TERMINATION FIELDS .. NOTE L: ACCESS CONTROL SYSTEM
- CONTROL SYSTEM WITH THE INTRUSION ALARM SYSTEM AND THE CCTV SYSTEM.
- ACTUATORS ARE OPERABLE ONLY WHEN DOORS ARE UNLOCKED.
- CABLE TRAY, PLYWOOD BACKBOARDS FOR TERMINATION FIELDS, AND BLANK FACEPLATES WHERE REQUIRED. NOTE M: NOT USED
- NOTE O: LARGE VENUE AUDIOVISUAL SYSTEMS

NOTE N: NOT USED

SYSTEMS

- NOTE P: AUDIO MONITORING SYSTEMS

APPLIES TO ALL TECHNOLOGY DRAWINGS

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 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.

4. TELECOMMUNICATIONS OUTLETS ARE NOT TO BE INSTALLED BACK-TO-BACK IN DEMISING WALLS. SPACE BACK BOXES

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.

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

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 IP 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 CAT 6E CABLES ARE TO BE THE ELECTRICAL CONTRACTOR FOR THE PROJECT SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE

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 UTP CABLES FOR VOICE OVER IP DEVICE LOCATIONS ARE TO BE TERMINATED ON DATA PATCH PANELS. ALL VOICE OVER IP THE COMMUNICATIONS DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING TO INTERFACE THE VOICE OVER IP THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL SERVICE AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD

THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL FURNISH ALL PUBLIC ADDRESS/INTERCOM SPEAKER BACK THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL PROVIDE HEAD-END EQUIPMENT AND FIELD DEVICES FOR THE THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL PROVIDE ALL CABLING, DEVICE BRACKETS, CONNECTORS, TERMINATION MATERIALS, AND EQUIPMENT RACKS/CABINETS FOR THE PUBLIC ADDRESS/INTERCOM SYSTEM. THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING, EQUIPMENT, AND PROGRAMMING TO INTERFACE THE PA/INTERCOM SYSTEM TO THE VOICE OVER IP PHONE SYSTEM, TO THE MASTER CLOCK SYSTEM,

CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD

CLASSROOM SOUND AND SPEECH REINFORCEMENT SYSTEMS. CABLING FOR INTERRUPT DURING A PA ANNOUNCEMENT IS INCLUDED. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC HARD WIRED ELECTRICAL SERVICE AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED.

THE CLOCK SYSTEM INCLUDING CLOCKS, MOUNTING BRACKETS, TONE GENERATOR, AND ACCESSORIES AS REQUIRED. THE CLOCK SYSTEM DIVISION 275313 CONTRACTOR SHALL PROVIDE REQUIRED CABLING, EQUIPMENT, AND PROGRAMMING TO INTERFACE THE CLOCK TONE GENERATOR/SCHEDULER TO THE PUBLIC ADDRESS/INTERCOM SYSTEM FOR SCHEDULED BELL TONES. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL SERVICE AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD

THE COMMUNICATIONS DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING, DEVICE BRACKETS, FACEPLATES, CONNECTORS, AND TERMINATION MATERIALS, FOR LOCAL AUDIO-VISUAL OUTLETS EXCEPT FOR LOCATIONS INDICATED AS "FUTURE". THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL SERVICE AND PATHWAYS INCLUDING

THE INSTRUCTIONAL INTERACTIVE DISPLAYS WILL BE PROVIDED BY THE OWNER UNDER SEPARATE CONTRACT. THE DIVISION 274100 THE COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL PROVIDE ALL REQUIRED LOW VOLTAGE WIRING, DEVICE BRACKETS, FACEPLATES, CONNECTORS, AND TERMINATION MATERIALS FOR THE PROJECTOR SYSTEMS. THE ELECTRICAL CONTRACTOR FOR THE PROJECT SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND

THE COMMUNICATIONS CABLING DIVISION 271000 CONTRACTOR SHALL PROVIDE WALL MOUNTED WIRELESS ACCESS POINT ENCLOSURES AT LOCATIONS SHOWN ON THE DRAWINGS. WIRELESS ACCESS POINT ENCLOSURES SHALL BE INDOOR/OUTDOOR NON-METALLIC WALL ENCLOSURES SHALL BE INSTALLED ON THE WALL DIRECTLY OVER THE FLUSH WIRELESS ACCESS POINT (WAP) WALL OUTLETS. THE DIVISION 271000 CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR PROPER SIZE AND ACCESSORIES FOR WALL

THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL CCTV EQUIPMENT, SOFTWARE, AND PROGRAMMING TO UPGRADE AND EXTEND THE EXISTING CCTV VIDEO SURVEILLANCE SYSTEM INCLUDING IP CAMERAS, VMS/NVR HARDWARE AND ALL THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL 10/100/1000 Poe DATA SWITCHES AND ACCESSORIES FOR A COMPLETELY SEPARATE PHYSICAL NETWORK FOR THE VIDEO SURVEILLANCE AND SECURITY SYSTEMS, AND FOR THE ELECTRICAL CONTRACTOR FOR THE PROJECT SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE THE ELECTRICAL CONTRACTOR FOR THE PROJECT SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, MUD RINGS, PULL LINES, BLANK FACEPLATES WHERE REQUIRED,

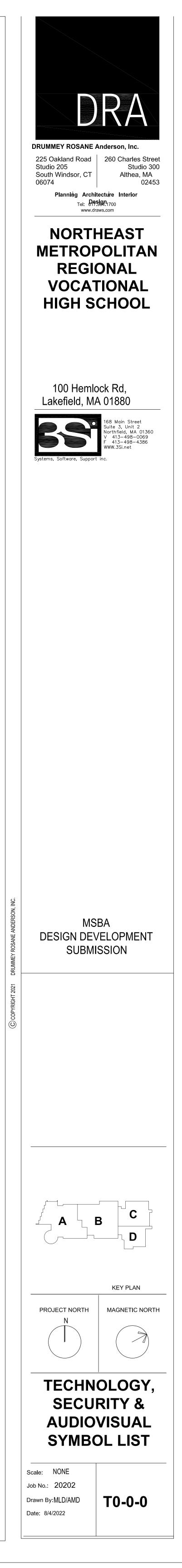
THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING AND ACTIVE EQUIPMENT INCLUDING DOOR AND MASTER STATIONS, POWER SUPPLIES, DEVICE BRACKETS, CONNECTORS, AND TERMINATION MATERIALS FOR THE DOOR AUDIO/VIDEO INTERCOM SYSTEM, AND SHALL PROVIDE INTEGRATION AND PROGRAMMING OF THE EXTERIOR DOOR ELECTRIFIED DOOR LOCKING HARDWARE AND POWER SUPPLIES FOR DOOR HARDWARE SHALL BE PROVIDED BY THE DOOR HARDWARE VENDOR. THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CABLING TO INTERFACE THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC SERVICE AND PATHWAYS INCLUDING CONDUIT,

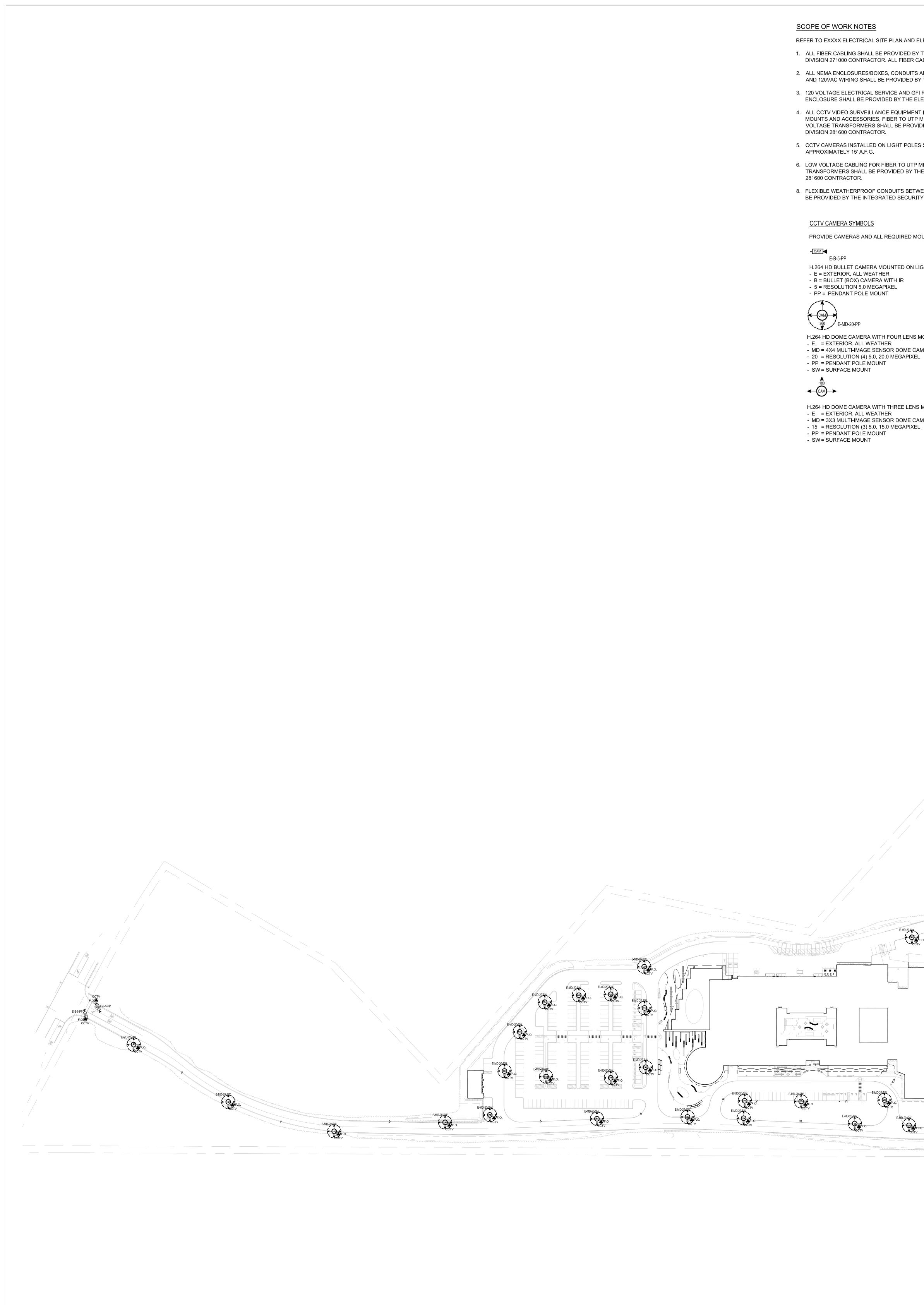
THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING AND ACTIVE EQUIPMENT INCLUDING CONTROL PANELS, POWER SUPPLIES, MOTION DETECTORS, TEMPERATURE SENSORS, CO SENSORS, KEYPADS, REPEATERS, THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE INTEGRATION AND PROGRAMMING WITH THE INTEGRATED THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND

THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING AND ALL ACTIVE EQUIPMENT INCLUDING POWER SUPPLIES, CONTROL PANELS, PROXIMITY/CARD READERS, AND HEAD-END EQUIPMENT. THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE INTEGRATION AND PROGRAMMING OF THE ACCESS ELECTRIFIED DOOR LOCKING HARDWARE AND POWER SUPPLIES FOR DOOR HARDWARE SHALL BE PROVIDED BY THE DOOR HARDWARE VENDOR. THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CABLING TO INTERFACE DOOR HARDWARE TO THE ACCESS CONTROL SYSTEM. THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE ALL REQUIRED LOW VOLTAGE WIRING FOR ADA ACTUATORS AND OPERATORS AT LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS. THE INTEGRATED SECURITY CONTRACTOR DIVISION 281600 SHALL PROGRAM THE ACCESS CONTROL SYSTEM SO THAT ADA THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC SERVICE, INCLUDING 120 VAC FOR DOOR HARDWARE POWER SUPPLIES, AND PATHWAYS INCLUDING CONDUITS AND SLEEVES WITH BUSHINGS, BACK BOXES, PULL LINES,

THE LARGE VENUE AUDIOVISUAL SYSTEMS DIVISION 274101 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING, DEVICE BRACKETS, CONNECTORS, FACEPLATES, TERMINATION MATERIALS, EQUIPMENT AND RACKS FOR THE LARGE VENUE AUDIOVISUAL THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED.

THE LARGE VENUE AUDIOVISUAL SYSTEMS DIVISION 274101 CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE WIRING, DEVICE BRACKETS, CONNECTORS, FACEPLATES, TERMINATION MATERIALS, AND EQUIPMENT FOR THE AUDIO MONITORING SYSTEMS. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC ELECTRICAL RECEPTACLES AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED.





PROVIDE CAMERAS AND ALL REQUIRED MOUNTING BRACKETS AND ACCESSORIES

- H.264 HD BULLET CAMERA MOUNTED ON LIGHT POLES, TYPICAL - E = EXTERIOR, ALL WEATHER

- MD = 4X4 MULTI-IMAGE SENSOR DOME CAMERA WITH IR

- MD = 3X3 MULTI-IMAGE SENSOR DOME CAMERA WITH IR

<u>NES</u>	
ICAL SITE PLAN AND ELECTRICAL DETAILS.	
HALL BE PROVIDED BY THE COMMUNICATIONS CABLING RACTOR. ALL FIBER CABLING SHALL BE OM4.	9, CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING INSTALLATION. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR AND COMMUNICATIONS
ES/BOXES, CONDUITS AND PATHWAYS FOR FIBER CABLE HALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.	CABLING DIVISION 271000 CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR INSTALLATION OF ALL EQUIPMENT AND LOW VOLTAGE CABLING PRIOR TO ALL WORK.
ICAL SERVICE AND GFI RECEPTACLE IN EACH NEMA	
PROVIDED BY THE ELECTRICAL CONTRACTOR.	10. INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE
/EILLANCE EQUIPMENT INCLUDING IP CAMERAS, REQUIRED	OWNER'S REPRESENTATIVE. SECURITY CONTRACTOR SHALL NOTIFY OWNER'S
SORIES, FIBER TO UTP MEDIA CONVERTERS, AND LOW	REPRESENTATIVE IMMEDIATELY OF ANY AND ALL CONFLICTS BETWEEN
IERS SHALL BE PROVIDED BY THE INTEGRATED SECURITY RACTOR.	PROPOSED SITEWORK AND WORK OF ALL OTHER TRADES
	11. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE
LLED ON LIGHT POLES SHALL BE INSTALLED AT F.G.	PROMPTLY REPORTED BY THE SECURITY CONTRACTOR TO THE OWNER'S REPRESENTATIVE AND RECORDED ON RECORD DRAWINGS
IG FOR FIBER TO UTP MEDIA CONVERTER, AND 12-24 VDC _L BE PROVIDED BY THE INTEGRATED SECURITY DIVISION	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.
ROOF CONDUITS BETWEEN NEMA BOX AND CAMERA SHALL INTEGRATED SECURITY DIVISION 281600 CONTRACTOR.	STATE AND LOCAL AGENOLES.
BOLS	FIBER SYMBOLS

H.264 HD DOME CAMERA WITH FOUR LENS MOUNTED ON LIGHT POLE, TYPICAL

H.264 HD DOME CAMERA WITH THREE LENS MOUNTED ON LIGHT POLE, TYPICAL

E-MD-15-PP CCTV

E-MD-20-SW

F-MD-20-SW

E-MD-20-SW

E-MD-20-SW E-MD-2

STANCHION WITH CARD READER & AIPHONE INTERCOM

E-MD-20-SW

E-MD-20-SW

SYMBOL DESCRIPTION CCTV - CCTV CAMERA: ONE CAT 6E CABLE 

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

MD-20-SW

E-MD-20-SW

E-MD-20-SW

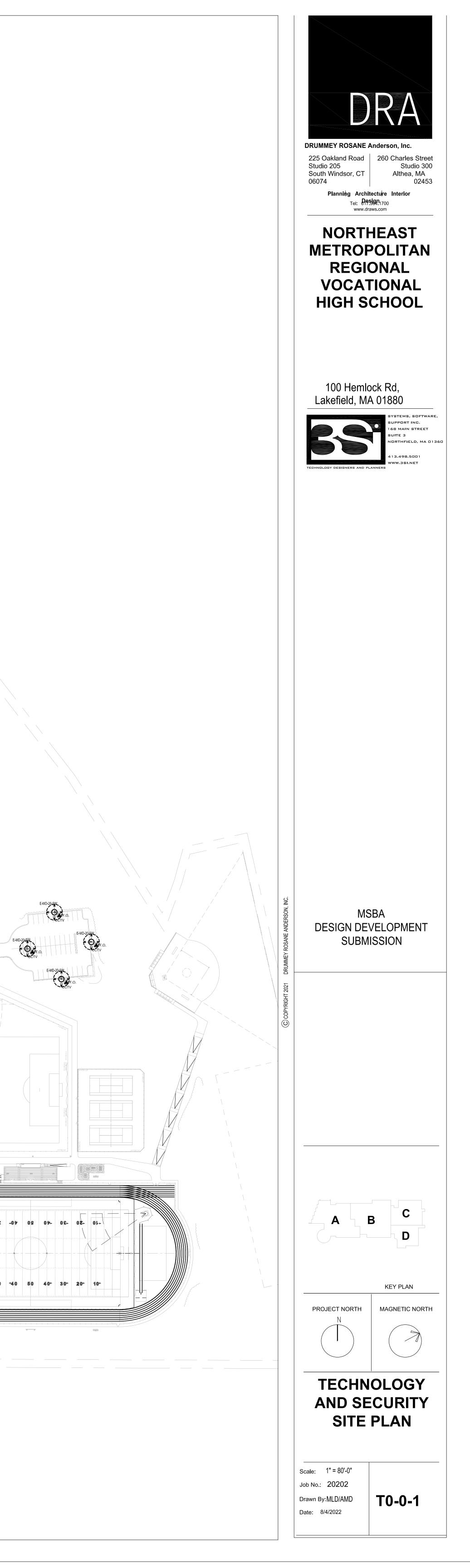
E-MD-20-SW

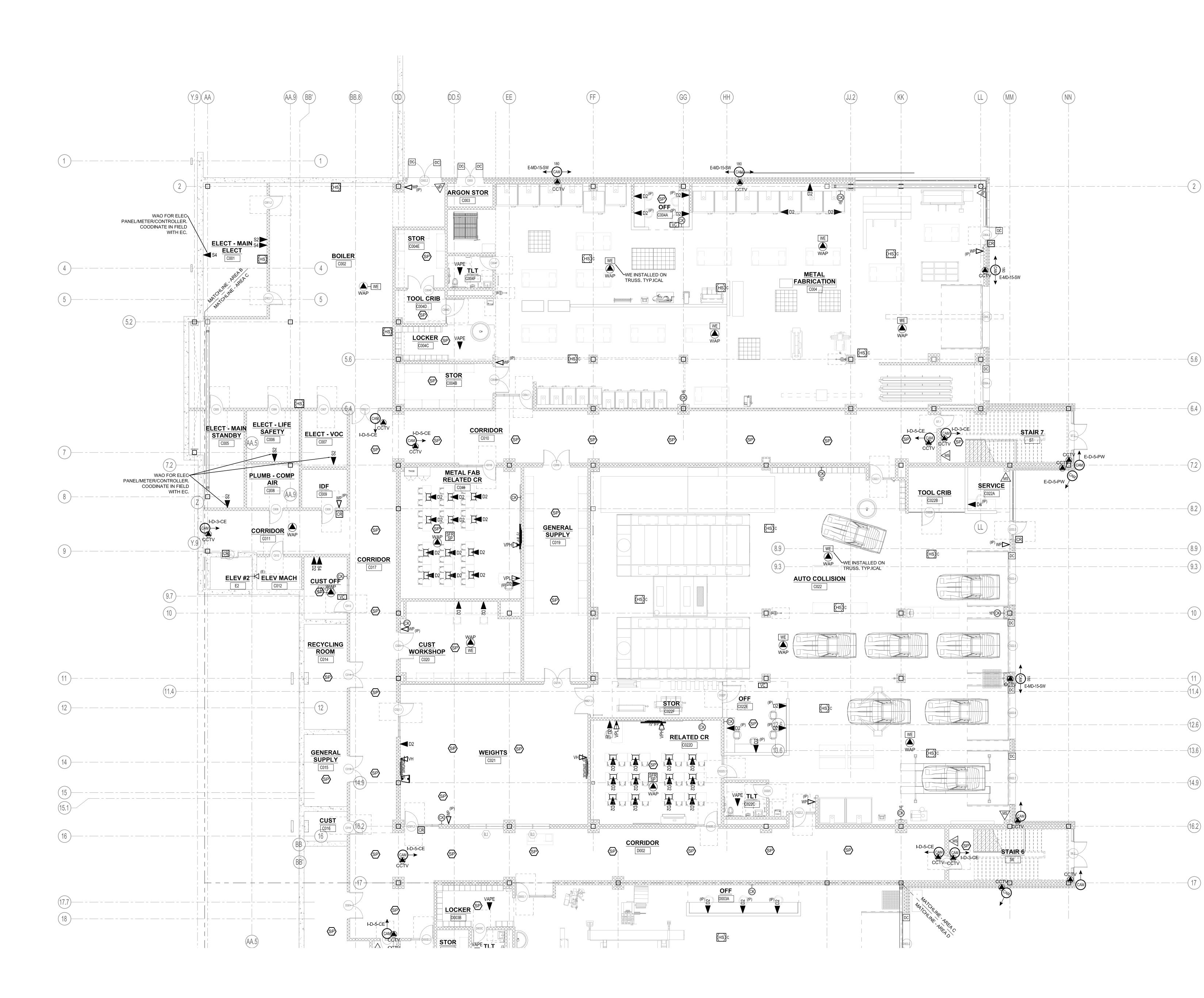
E-MD-20-SW

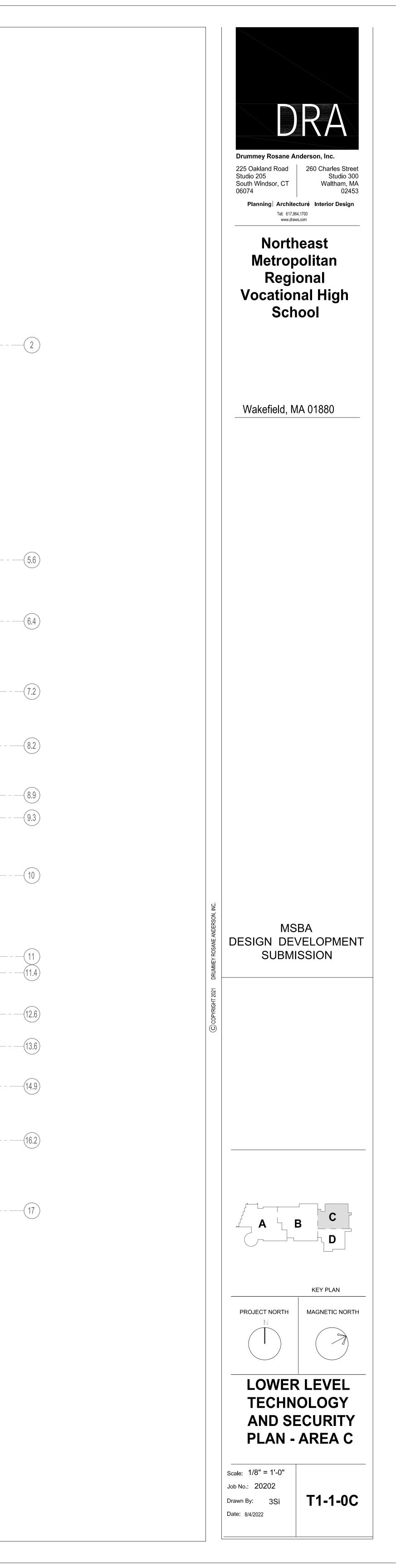
E-MD-20-SW

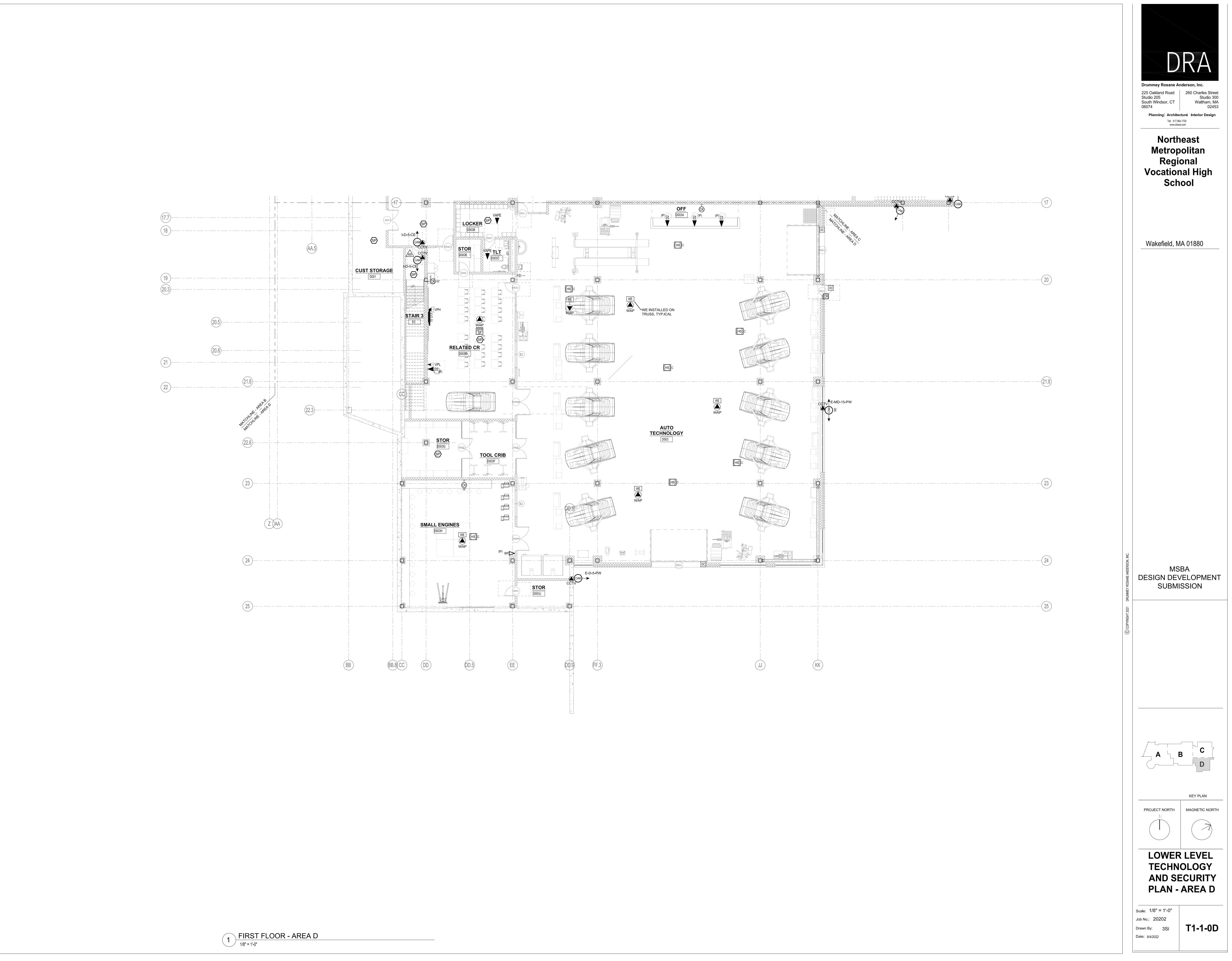
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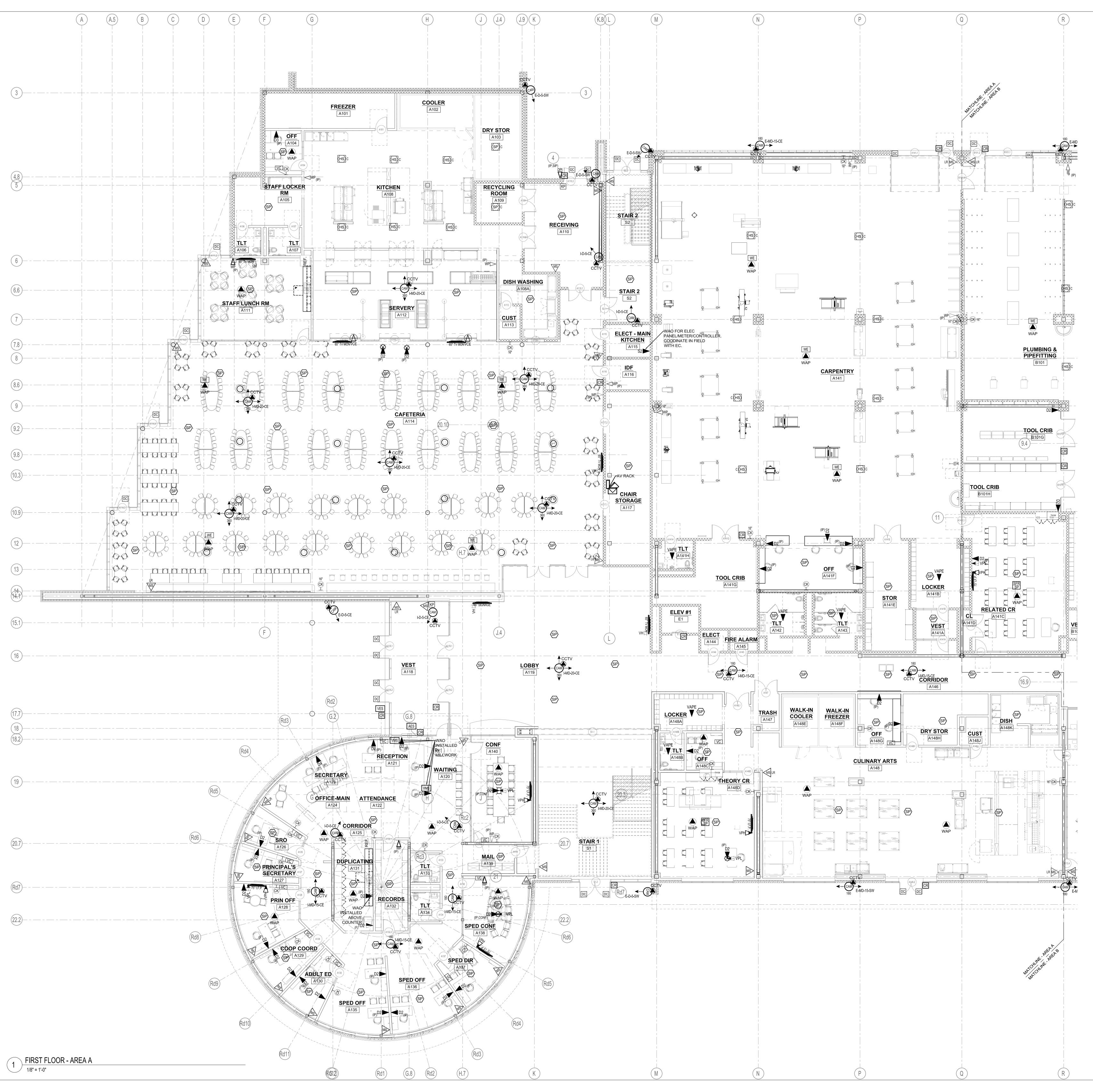


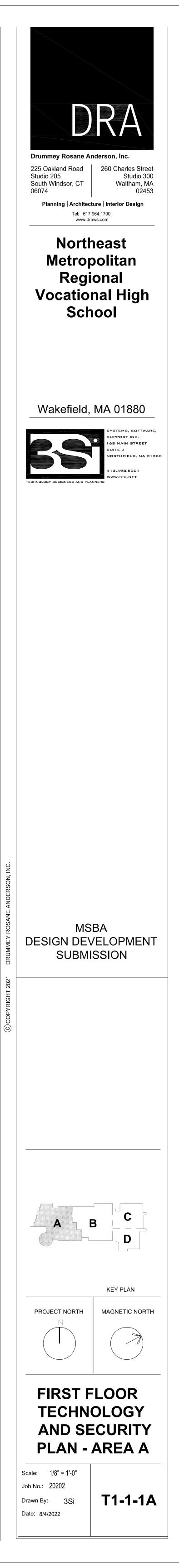


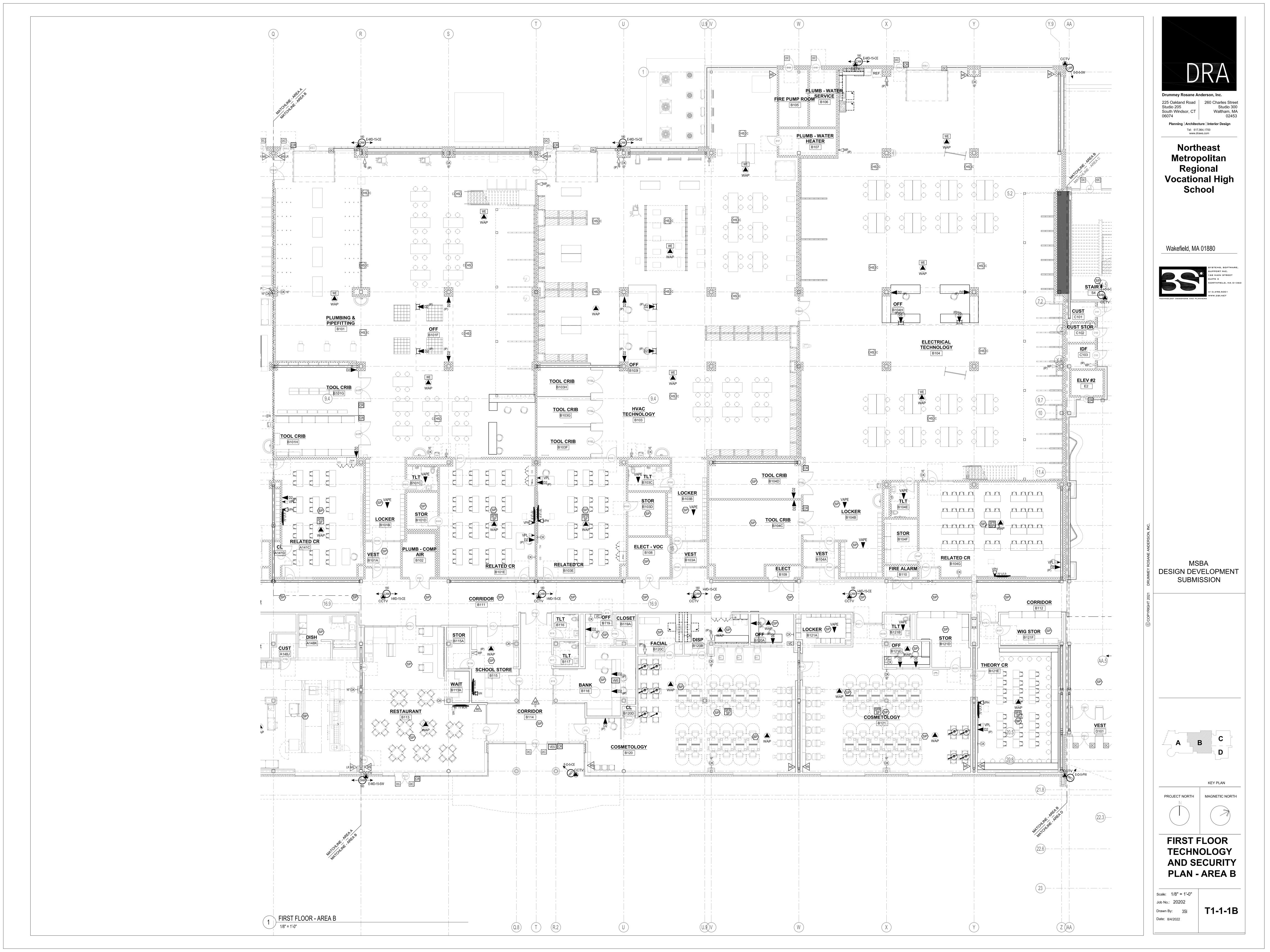


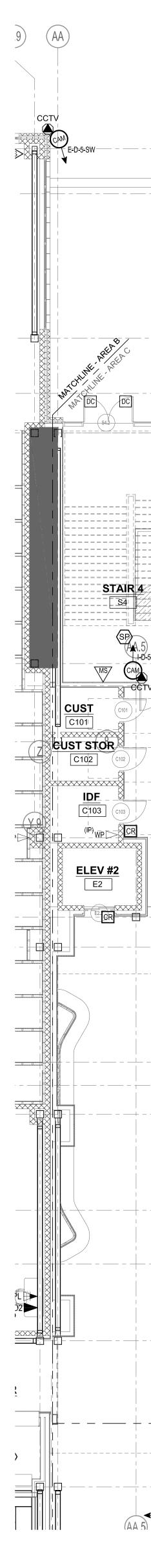


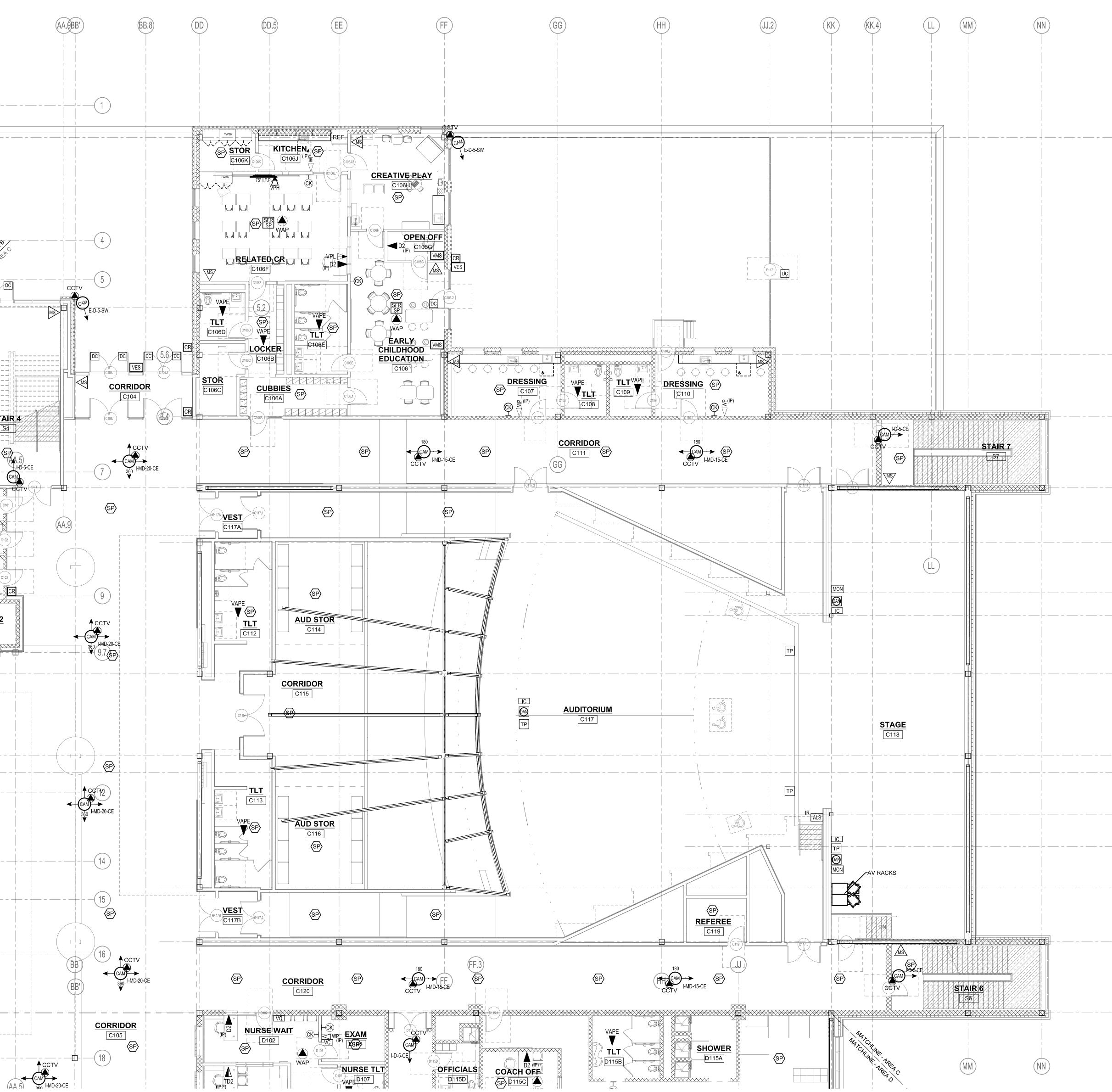


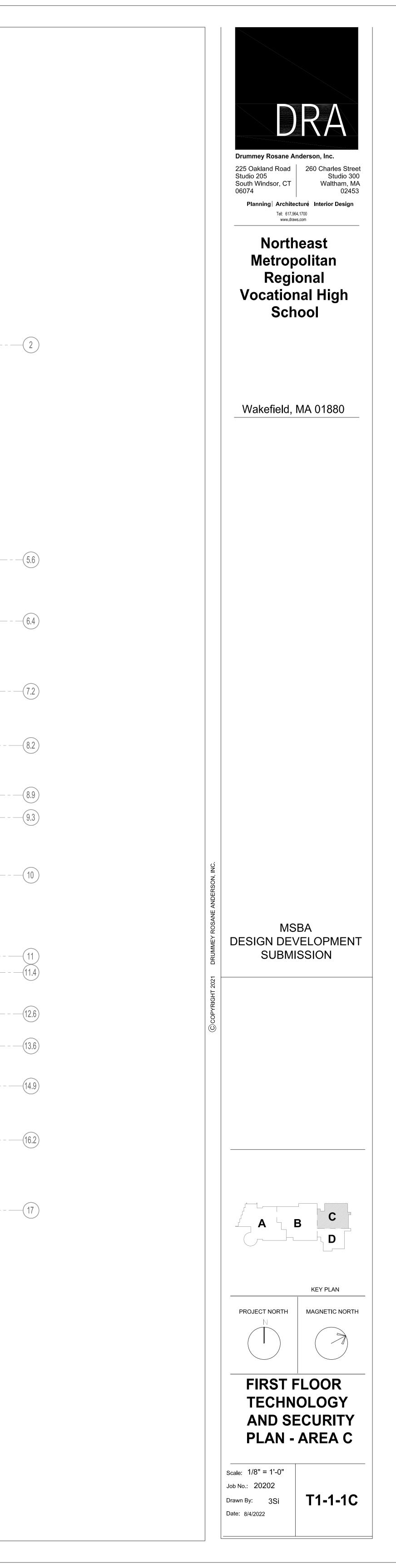


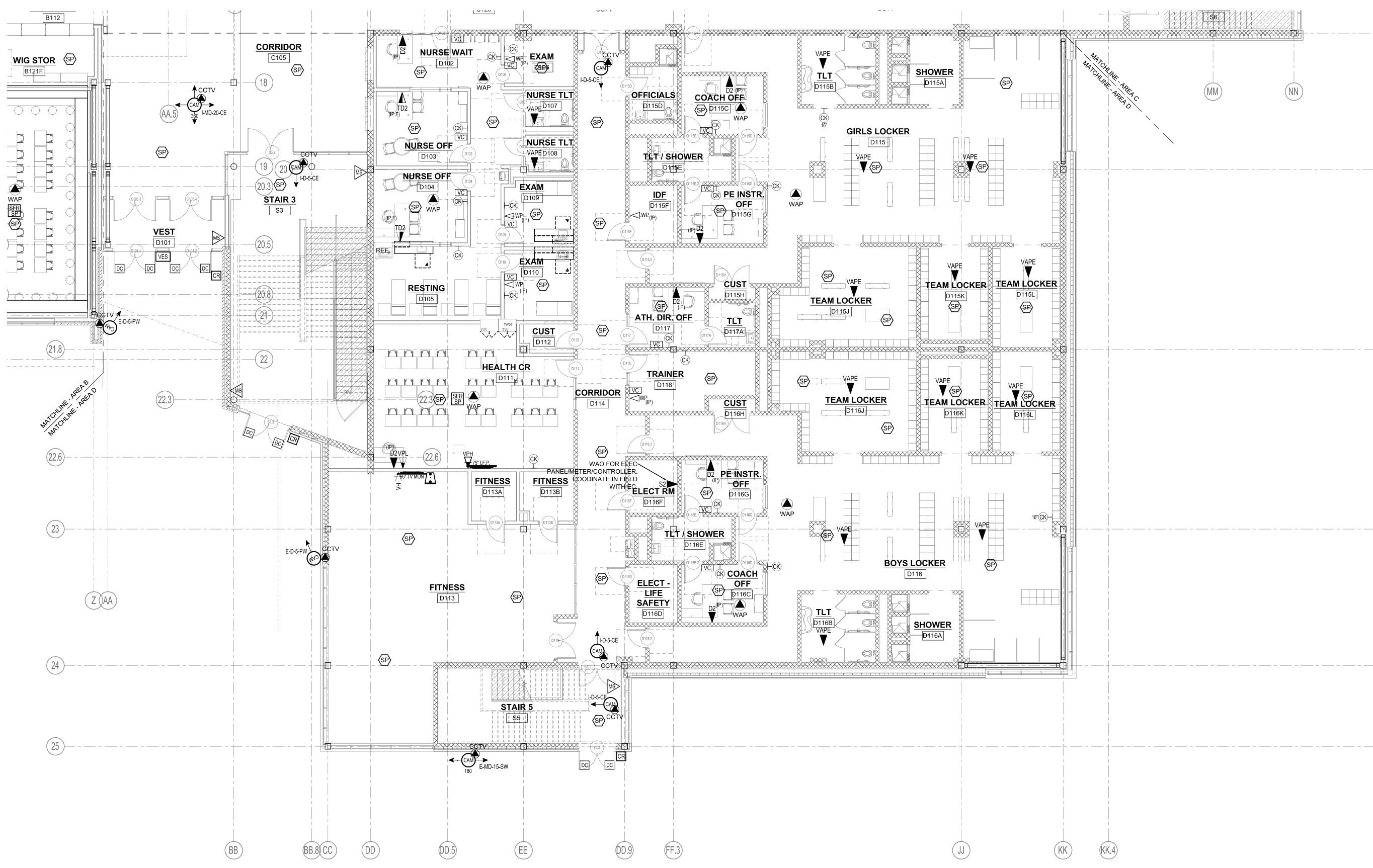




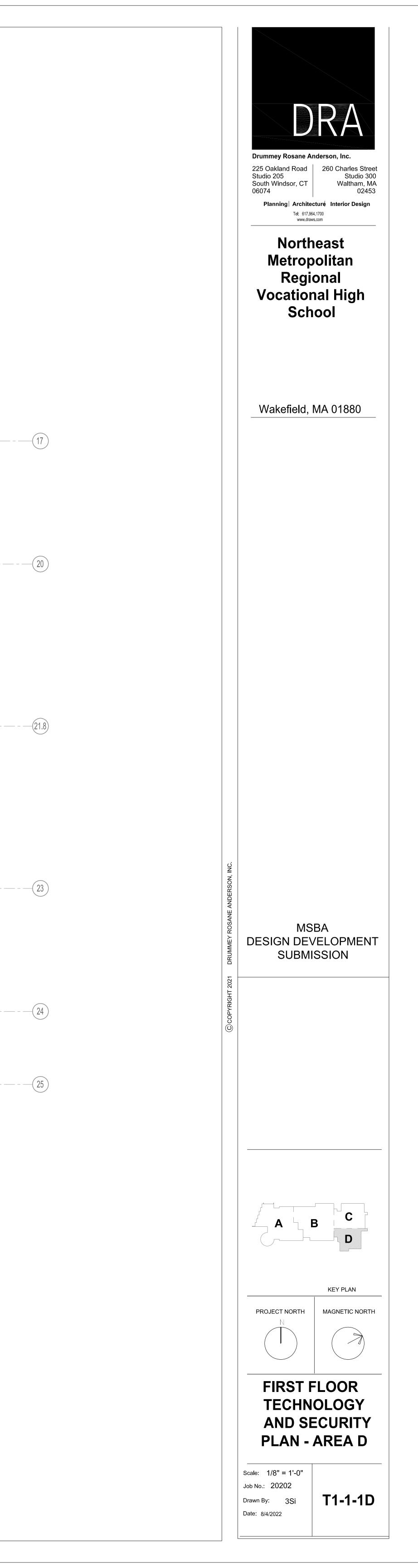


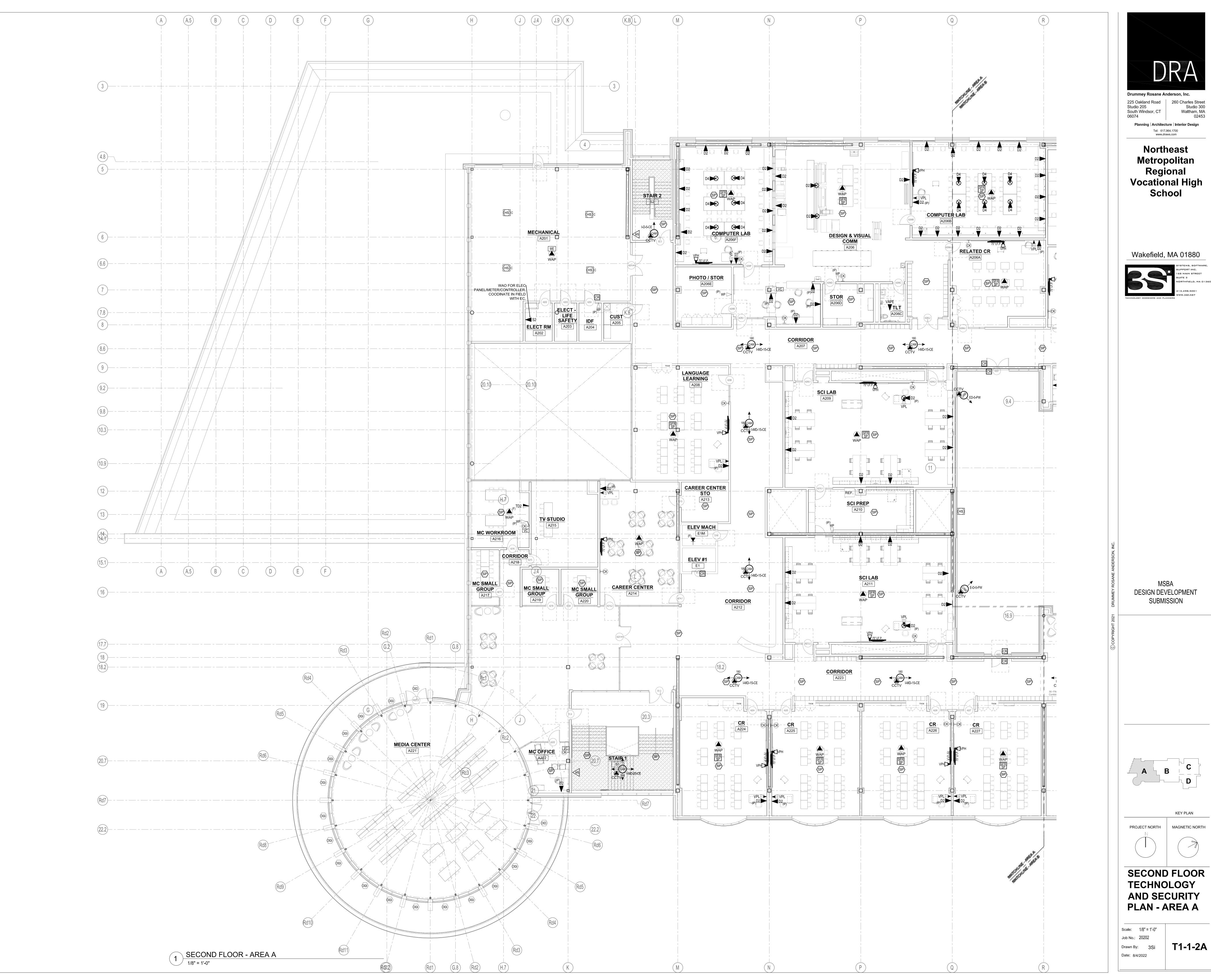


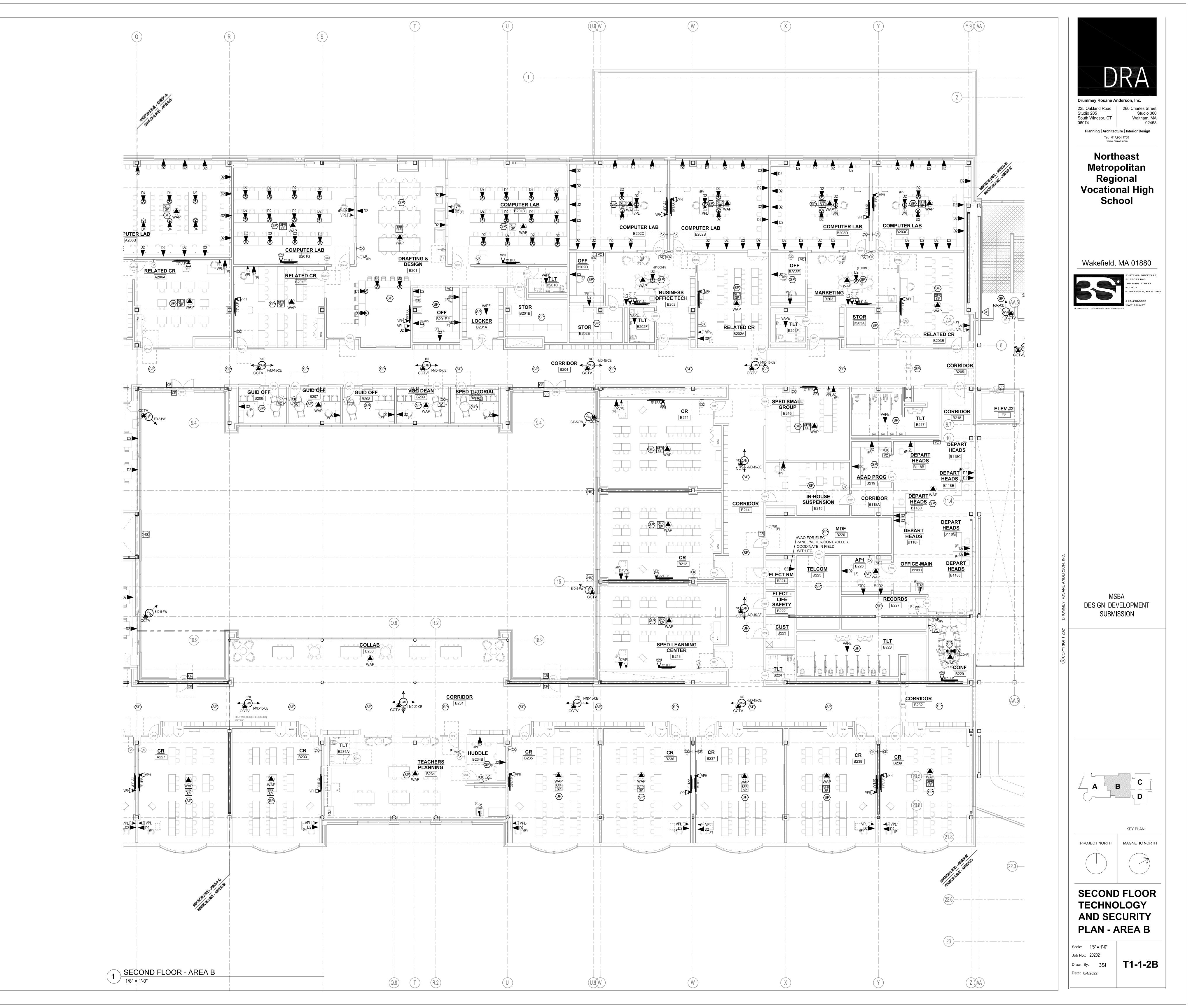


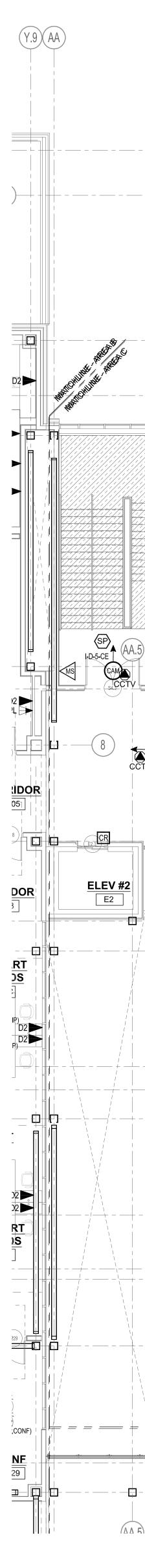


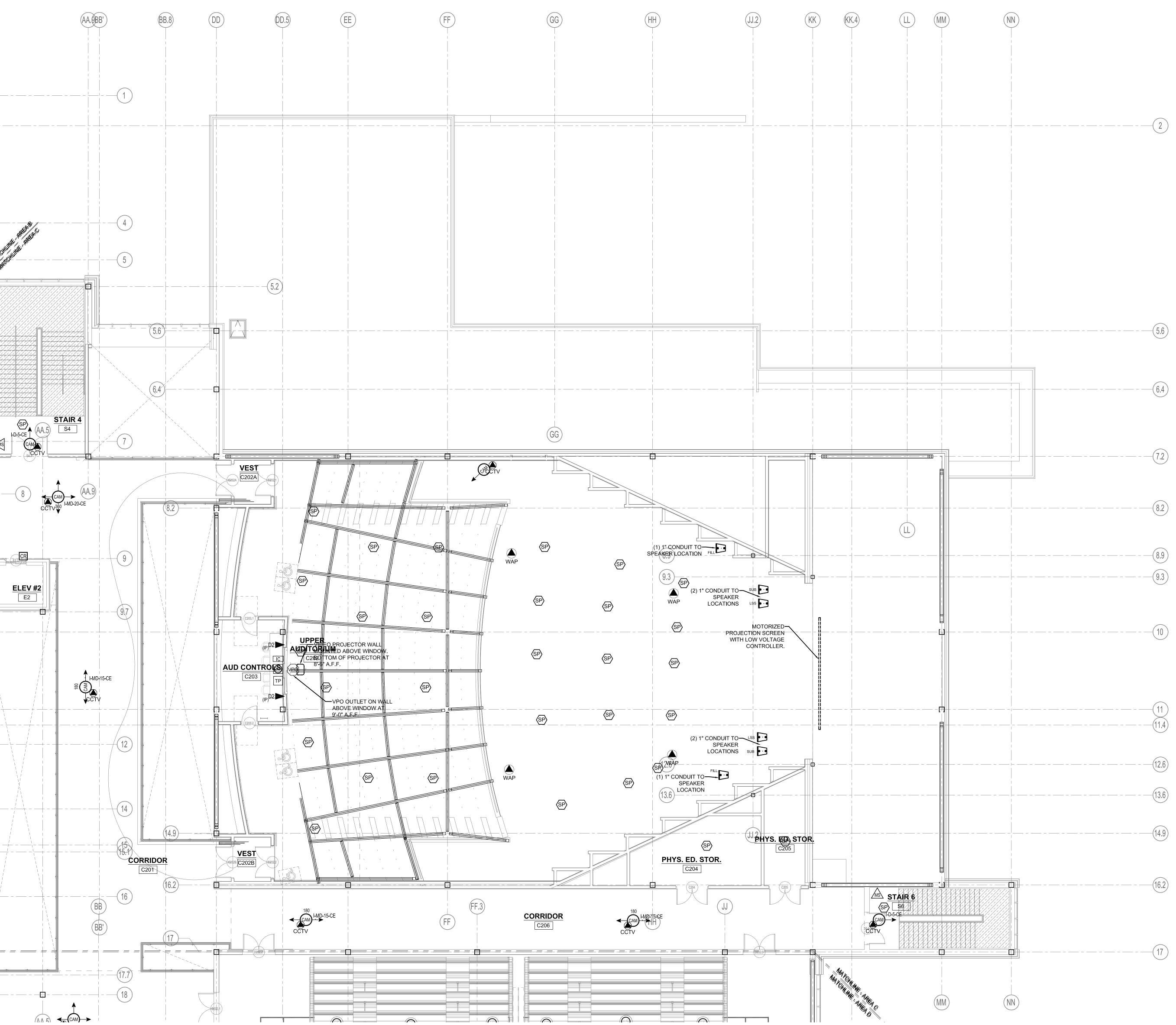


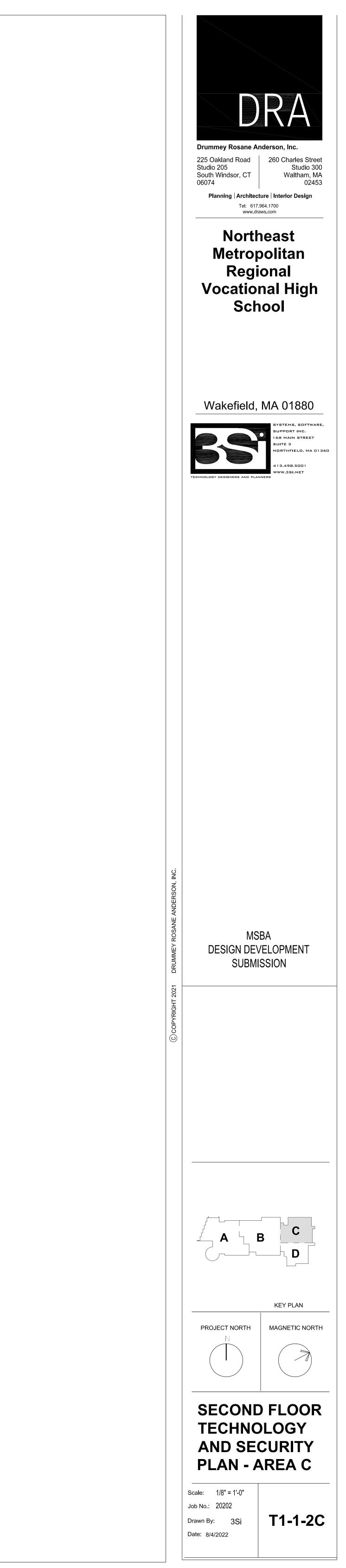












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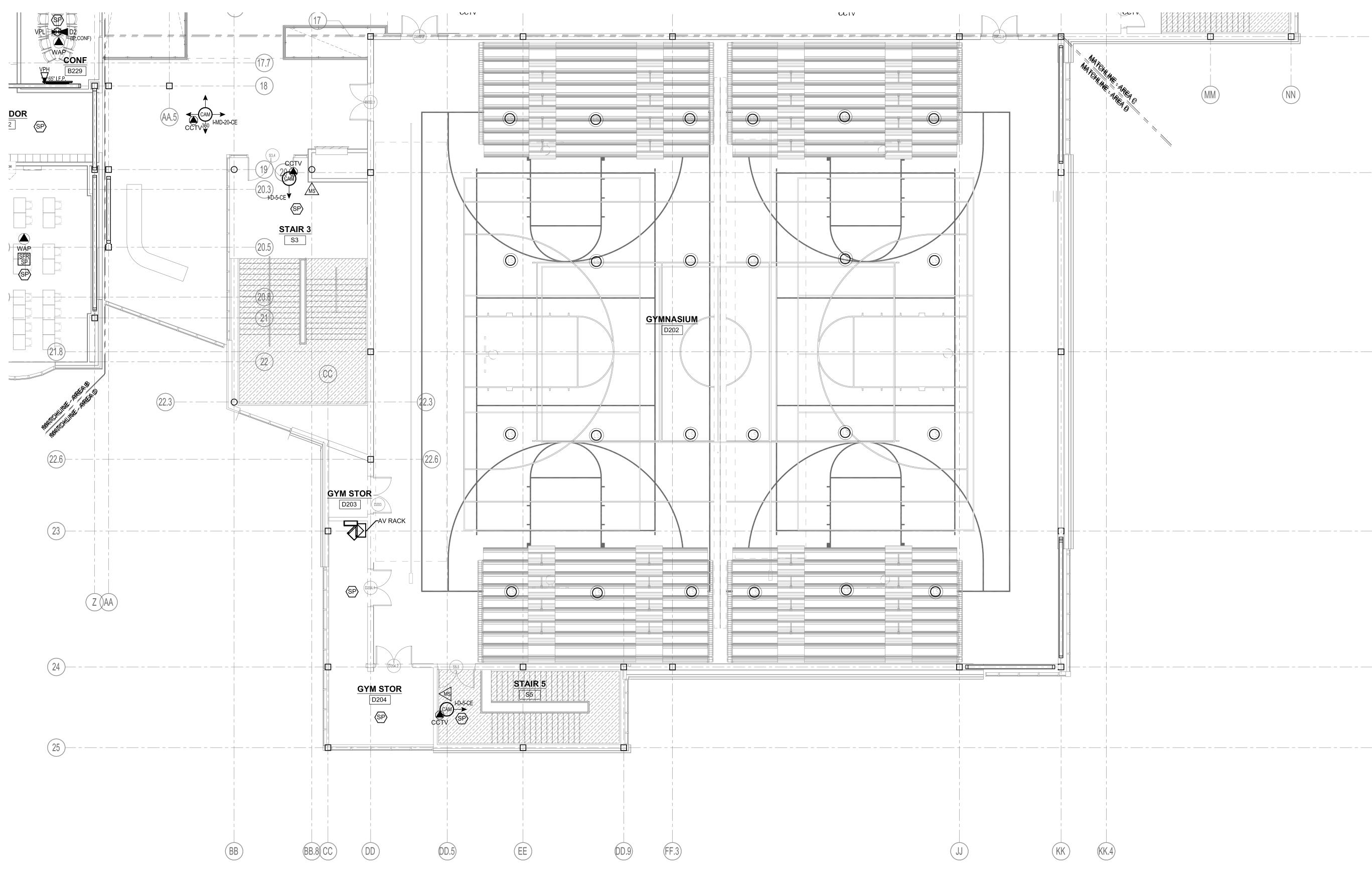
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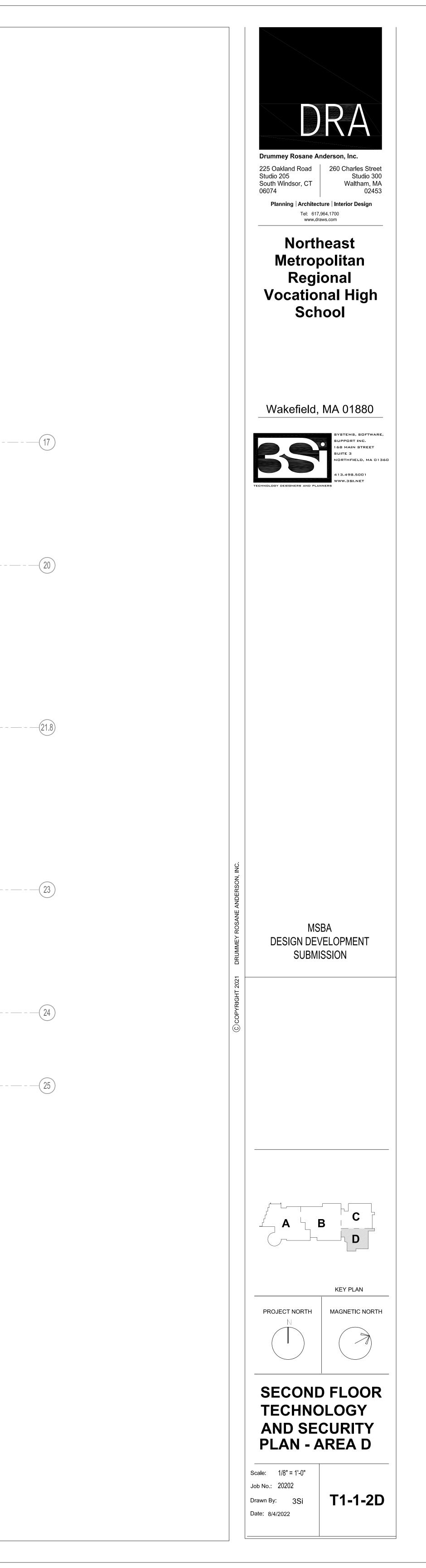
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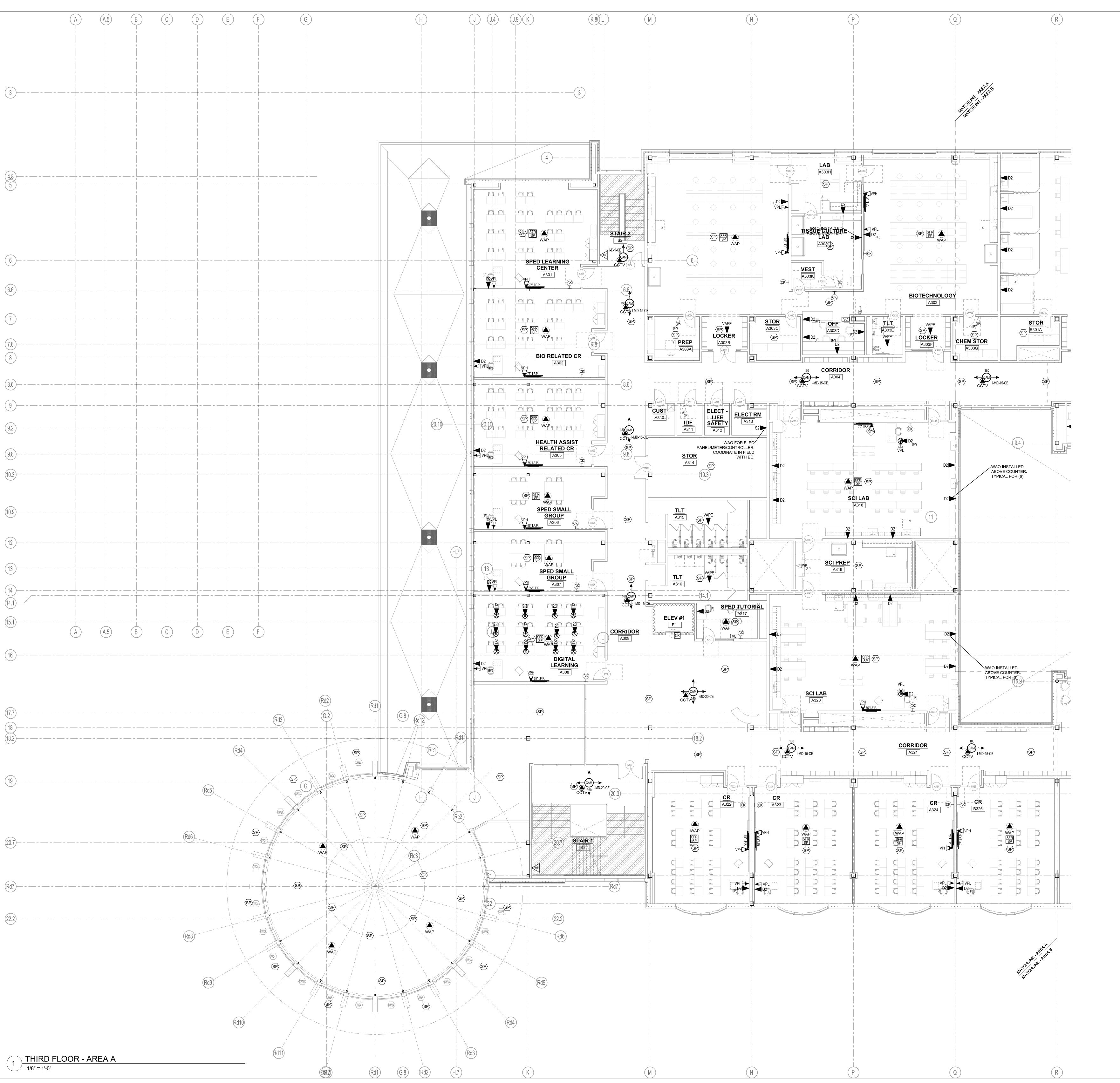
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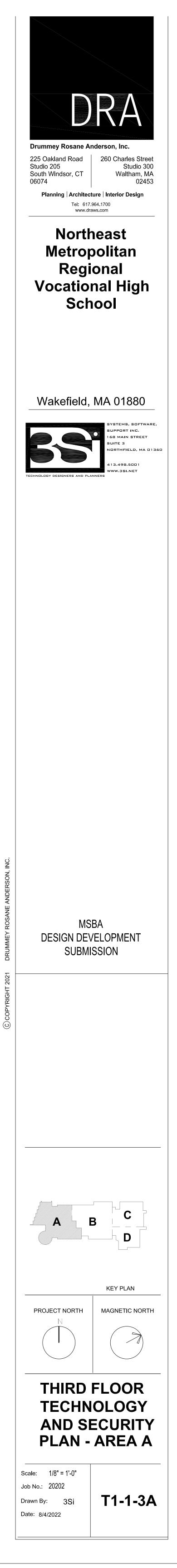
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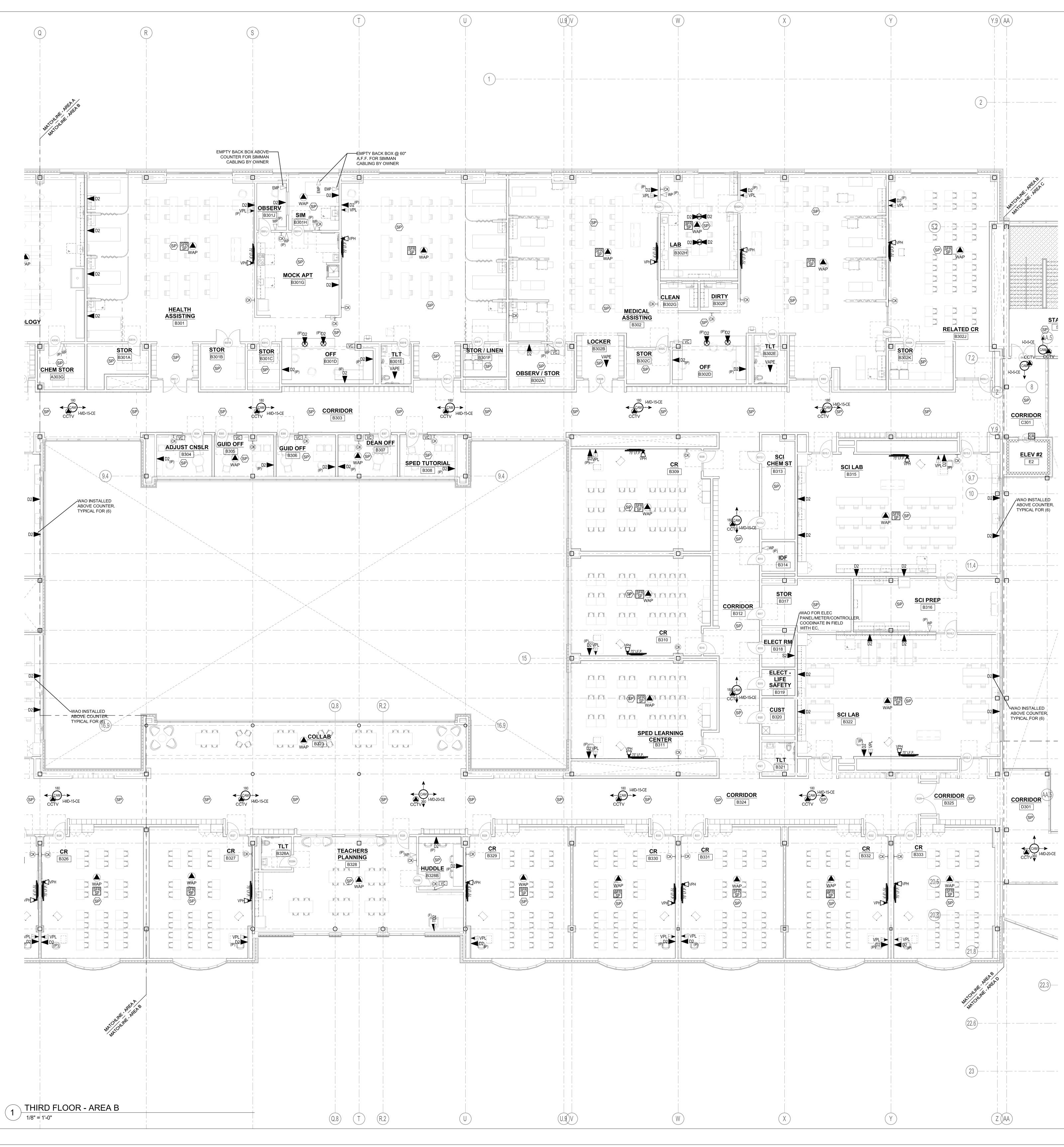


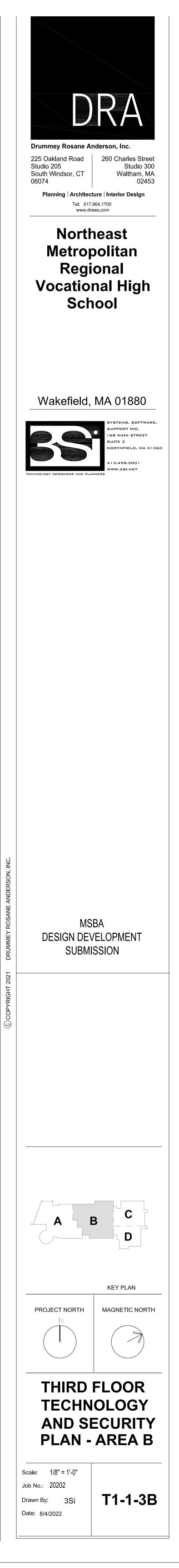


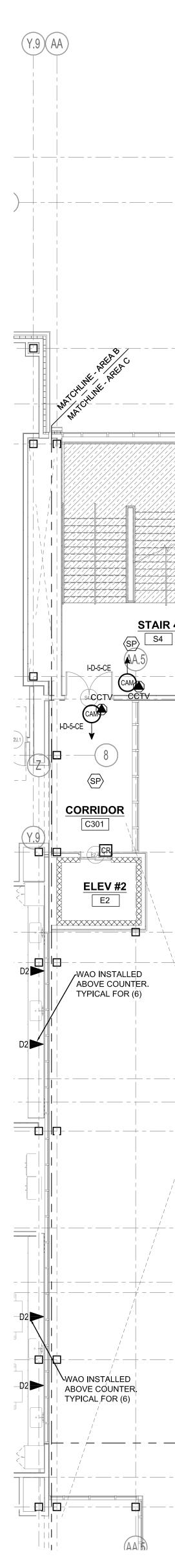




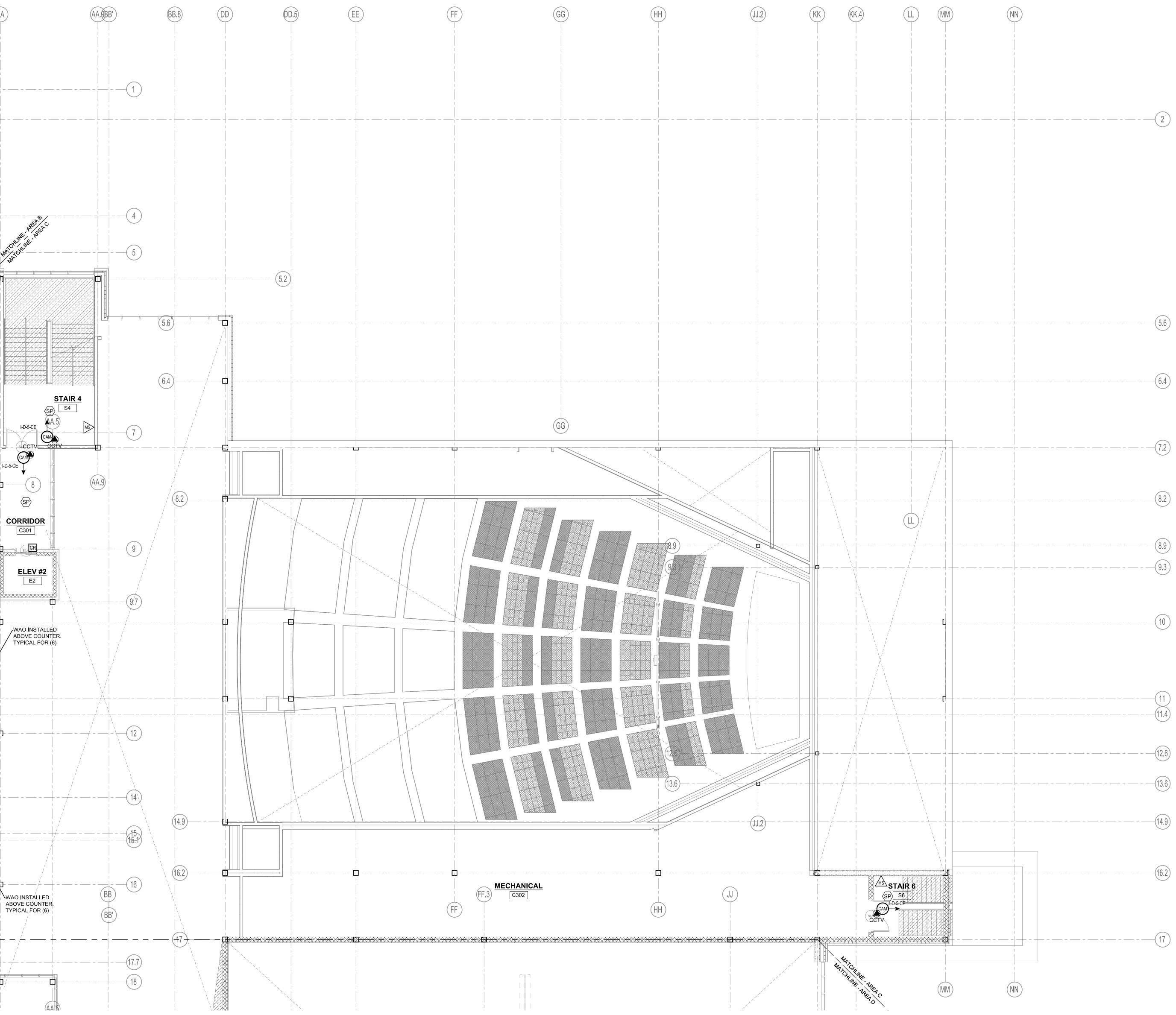












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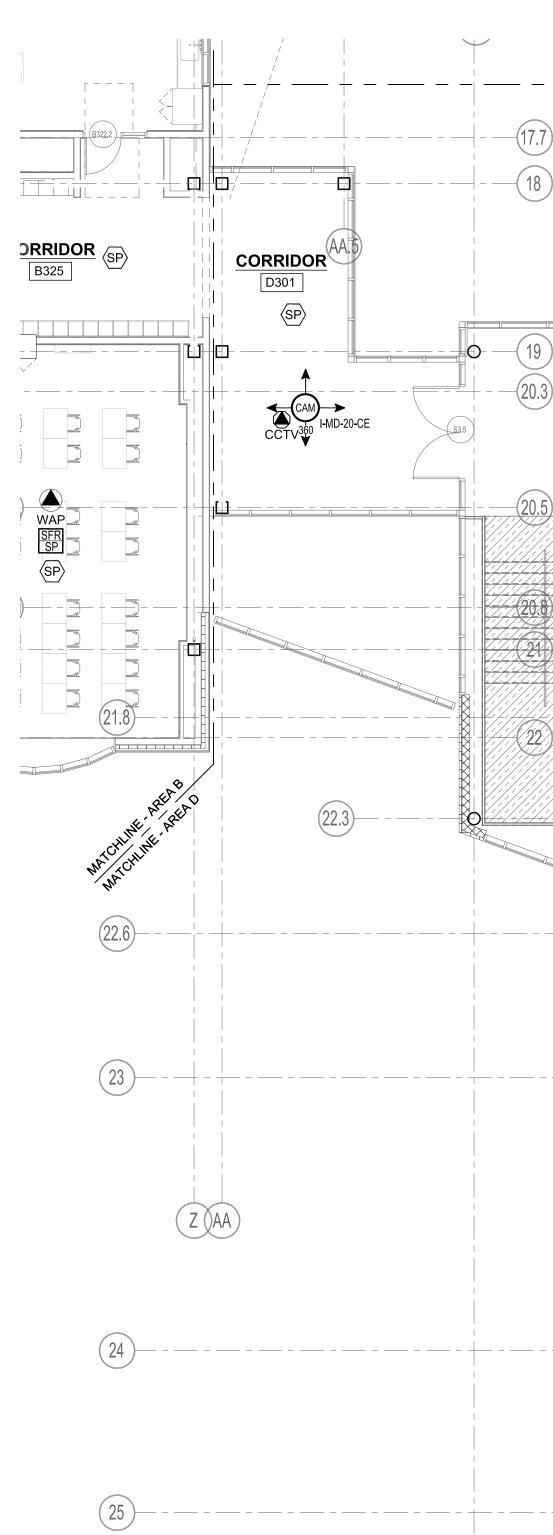
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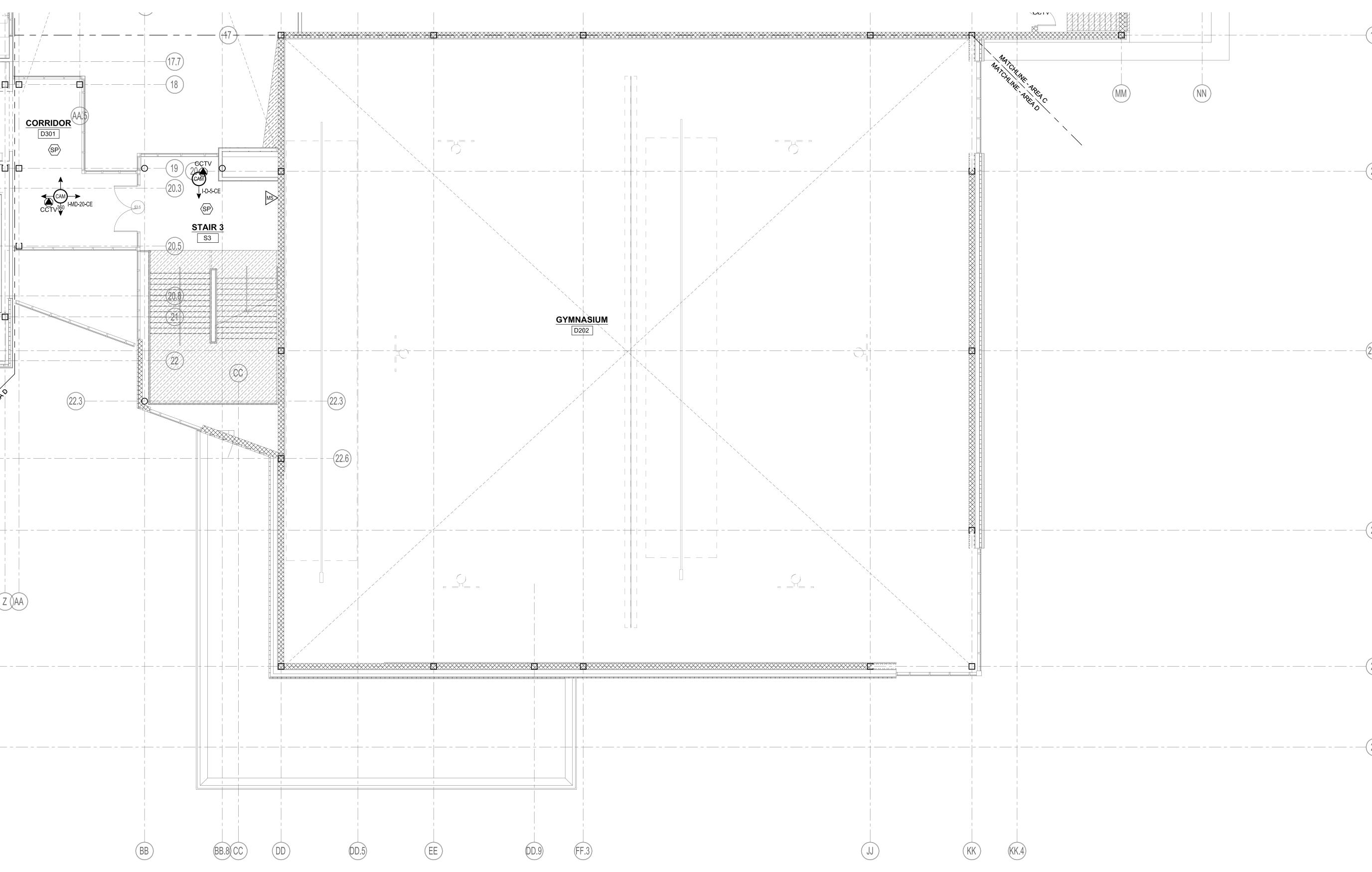
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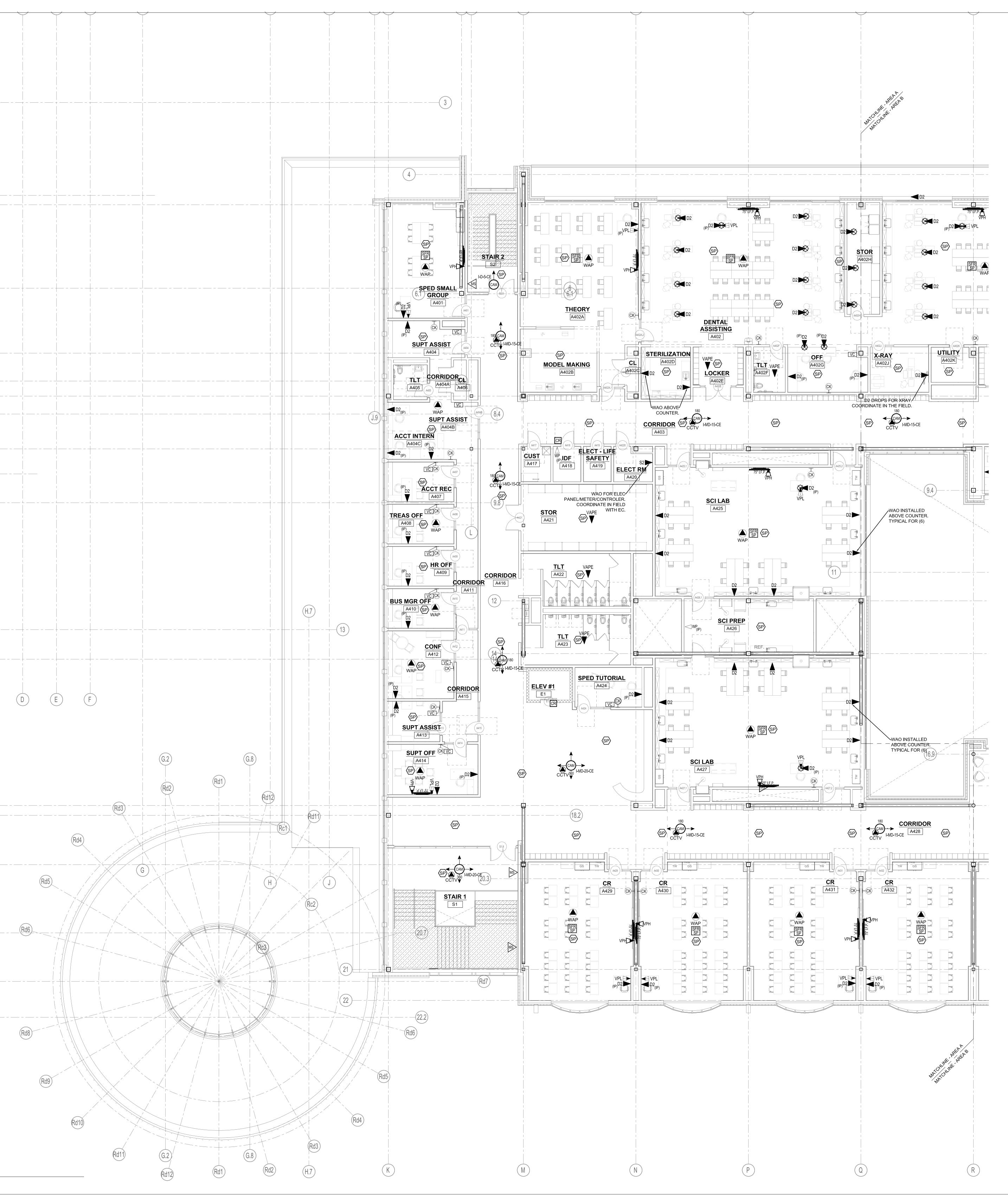
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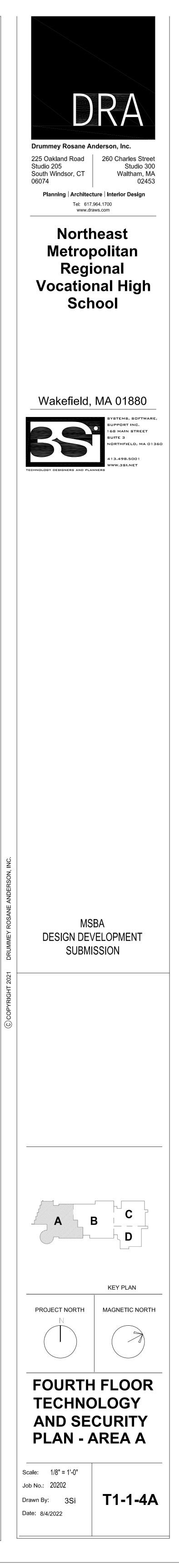


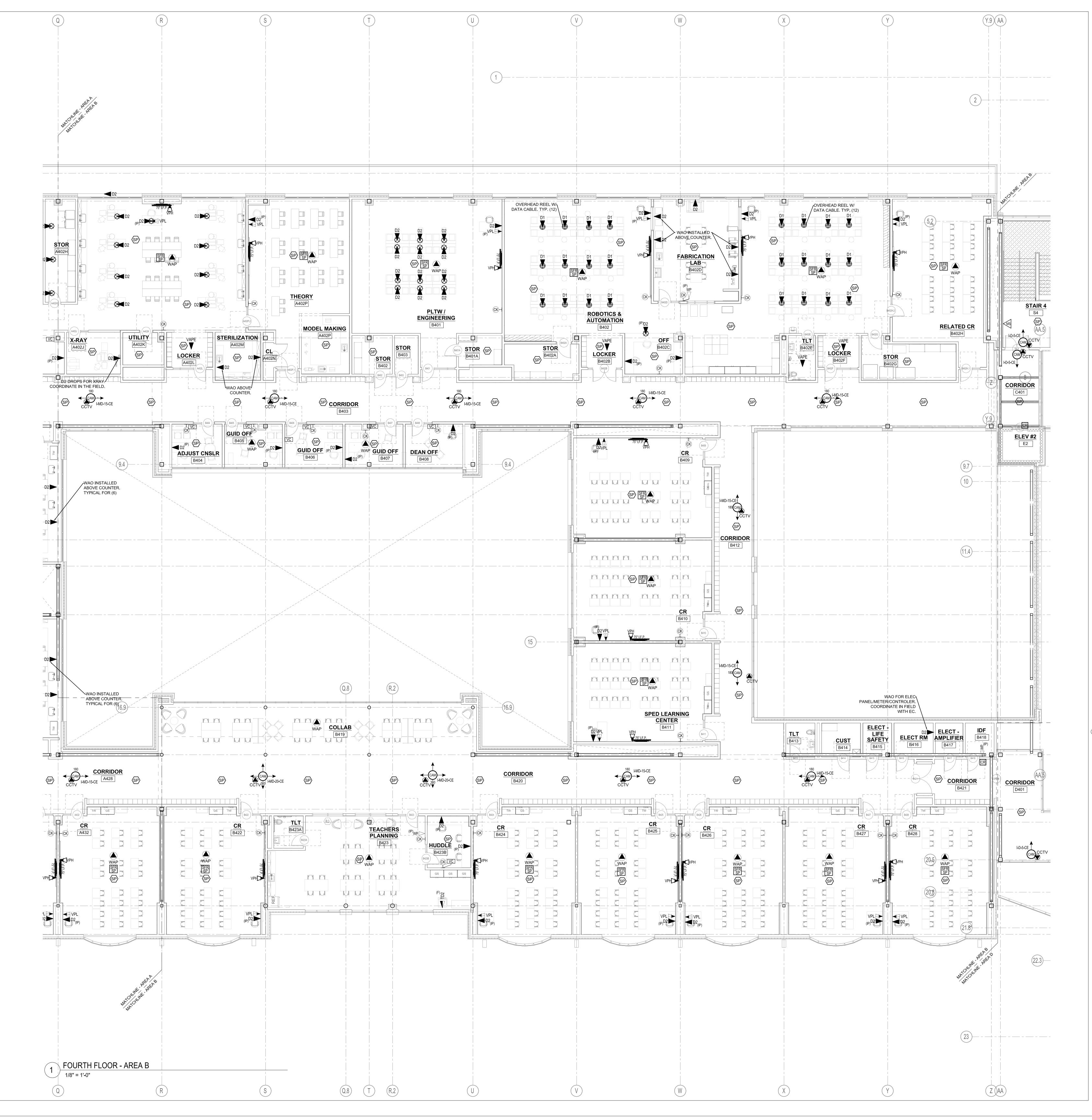
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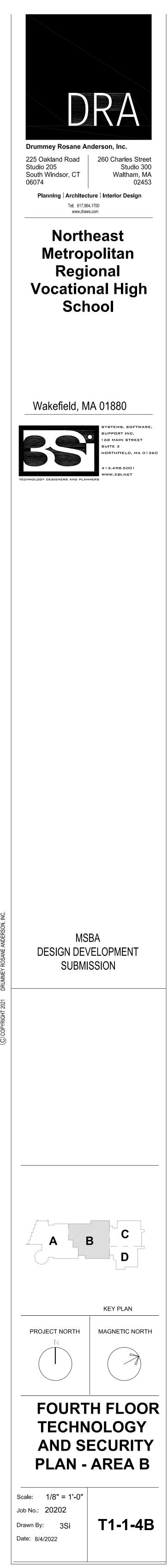
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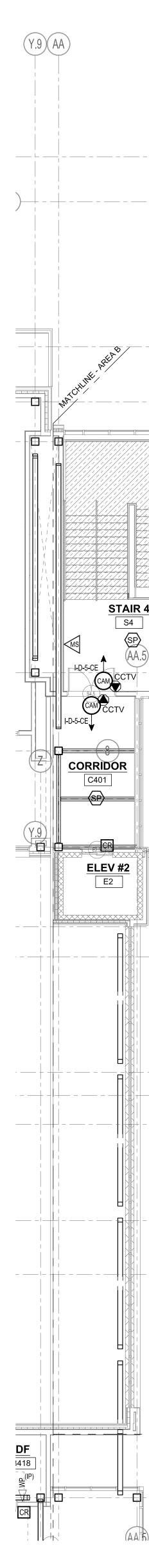
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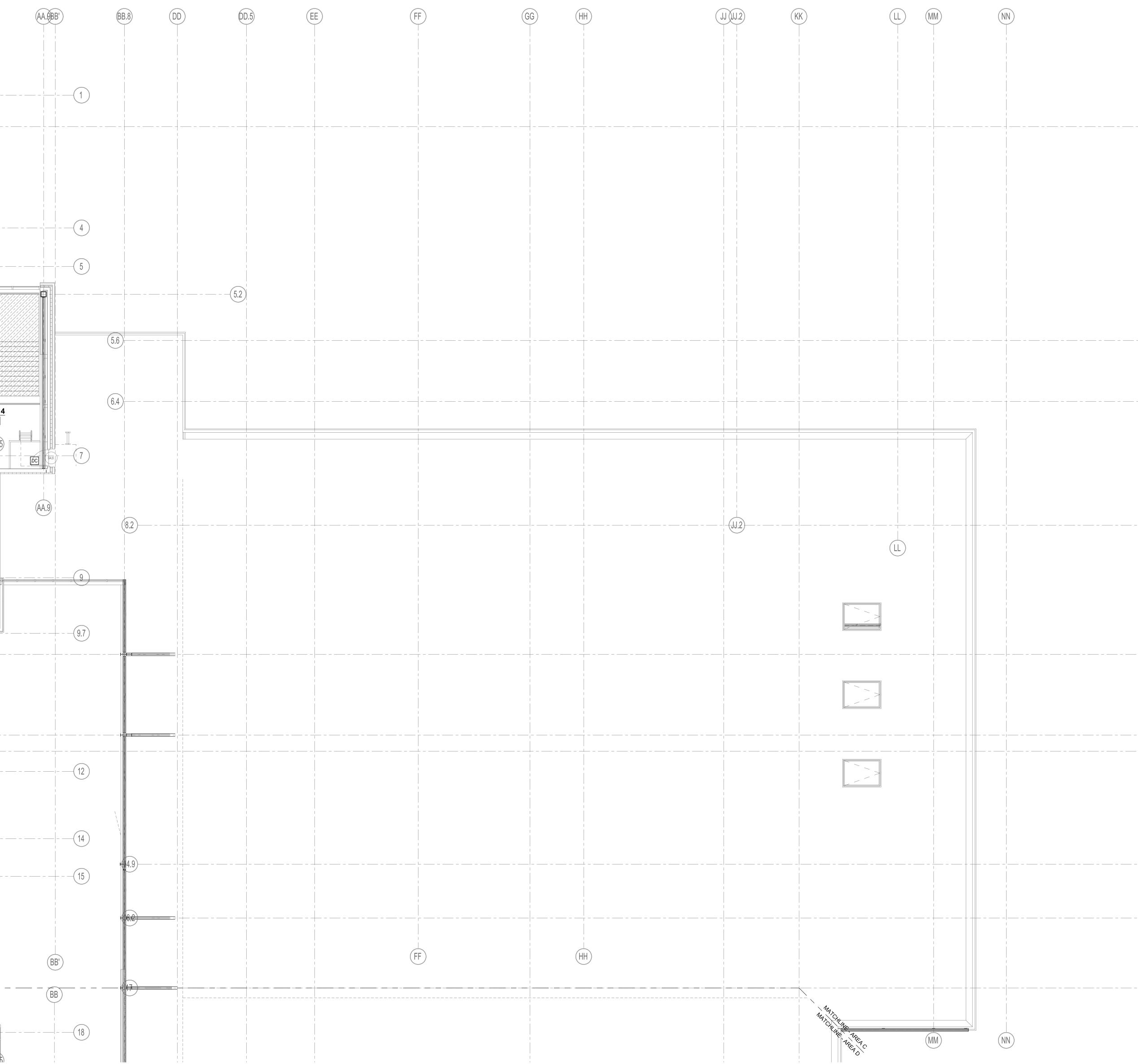




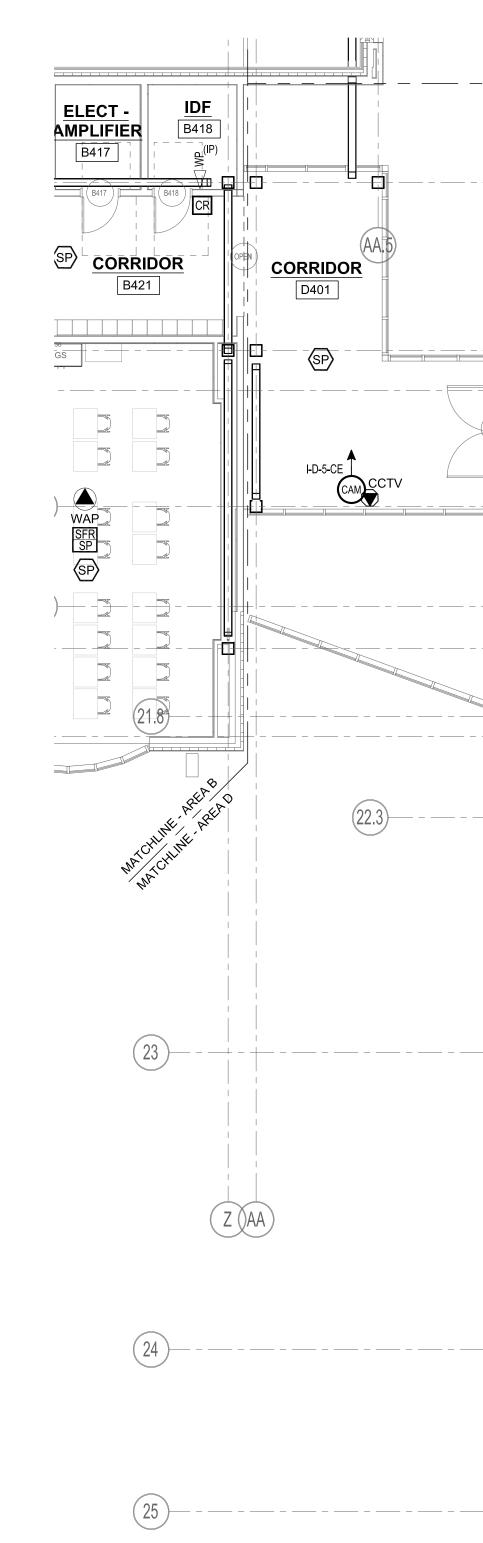




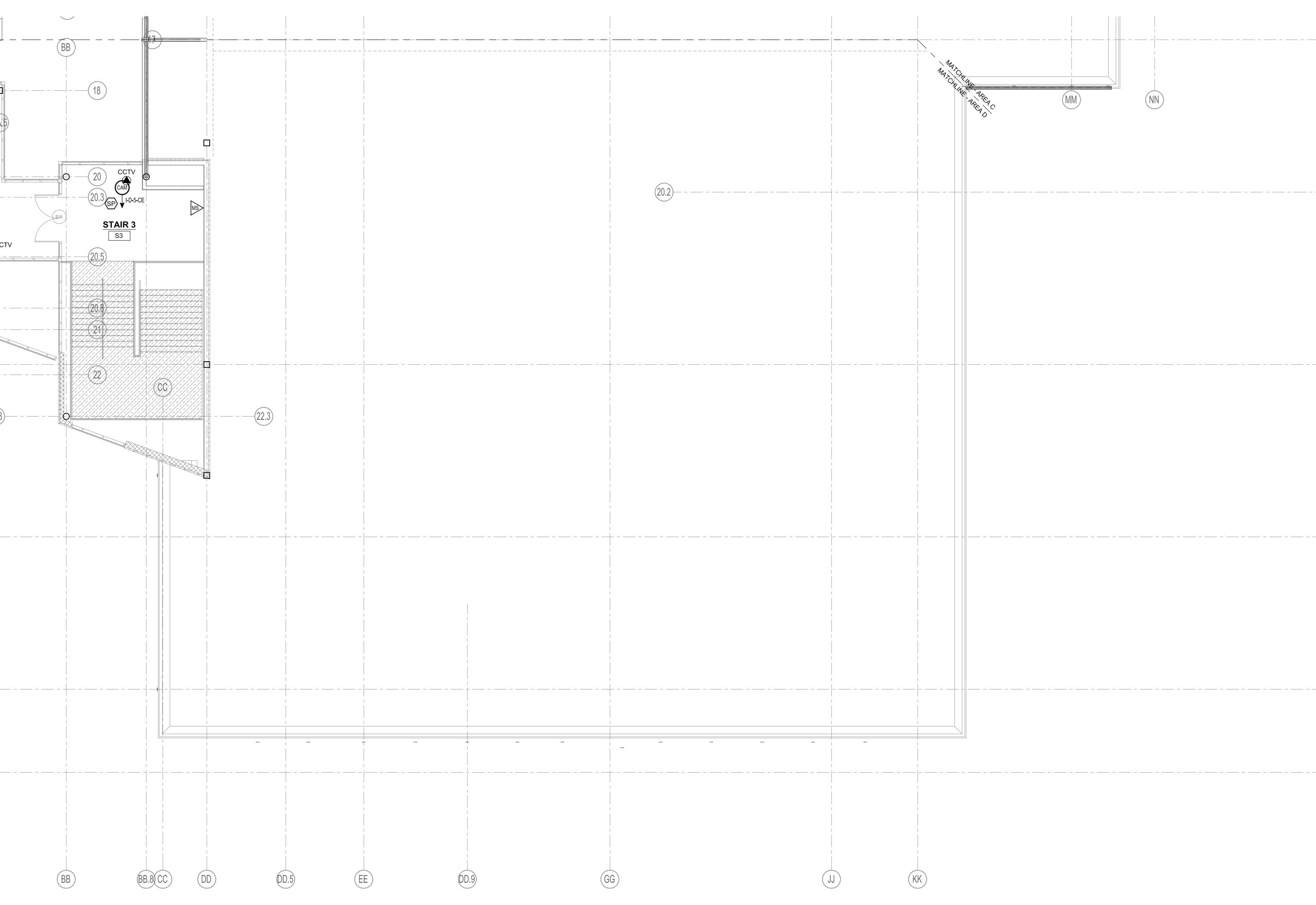




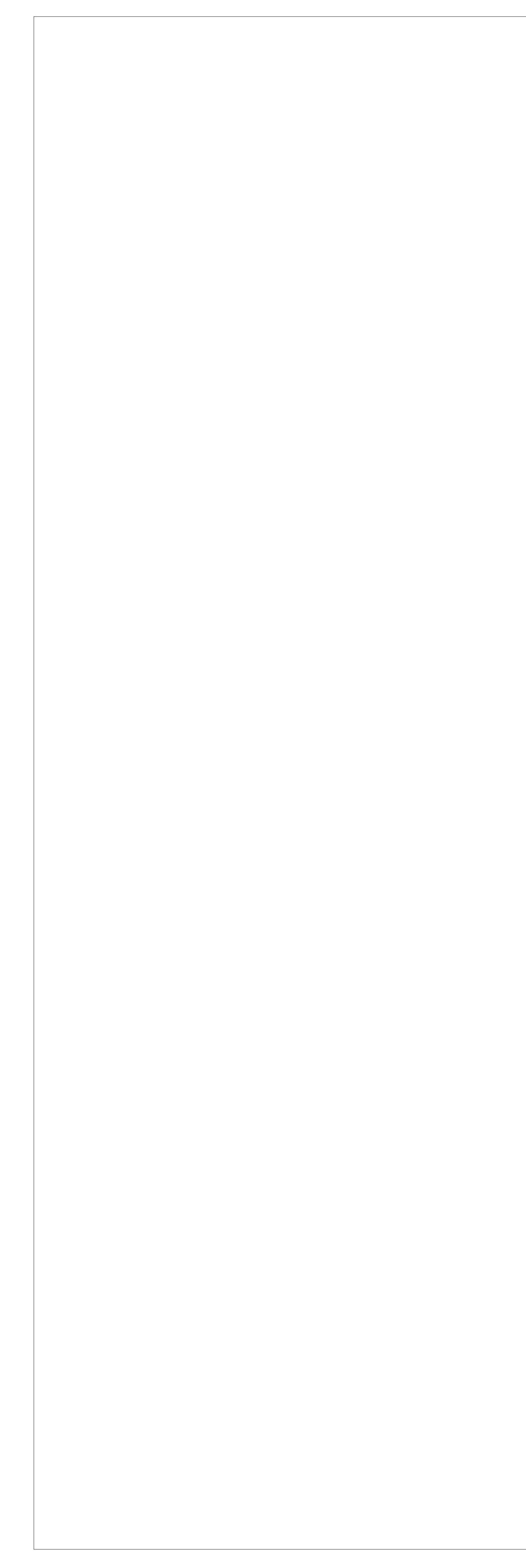
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		PROJECT NORTH       MAGNETIC NORTH         N       Image: Comparison of the second secon
		FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA C
		Scale:       1/8" = 1'-0"         Job No.:       20202         Drawn By:       3Si         Date:       8/4/2022



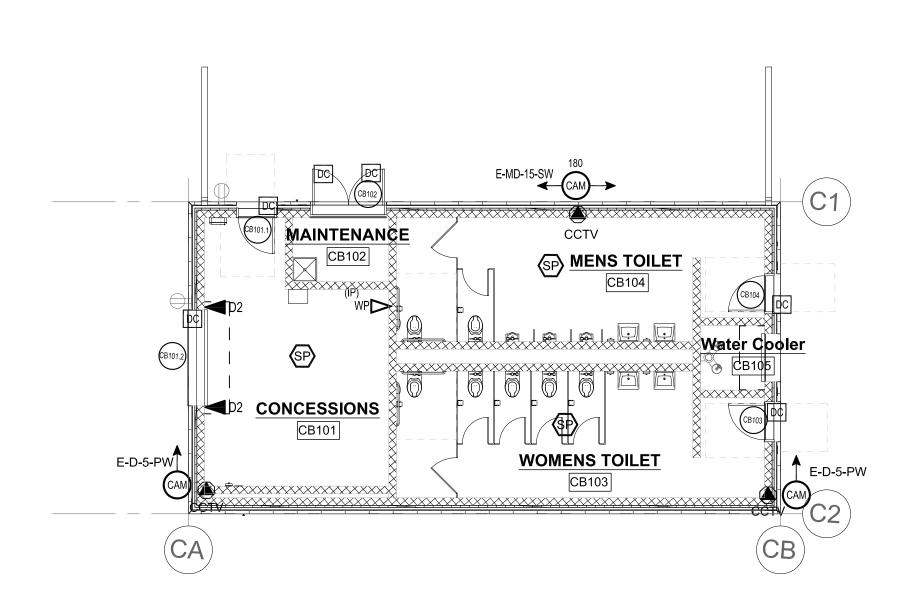
1 FOURTH FLOOR - AREA D 1/8" = 1'-0"



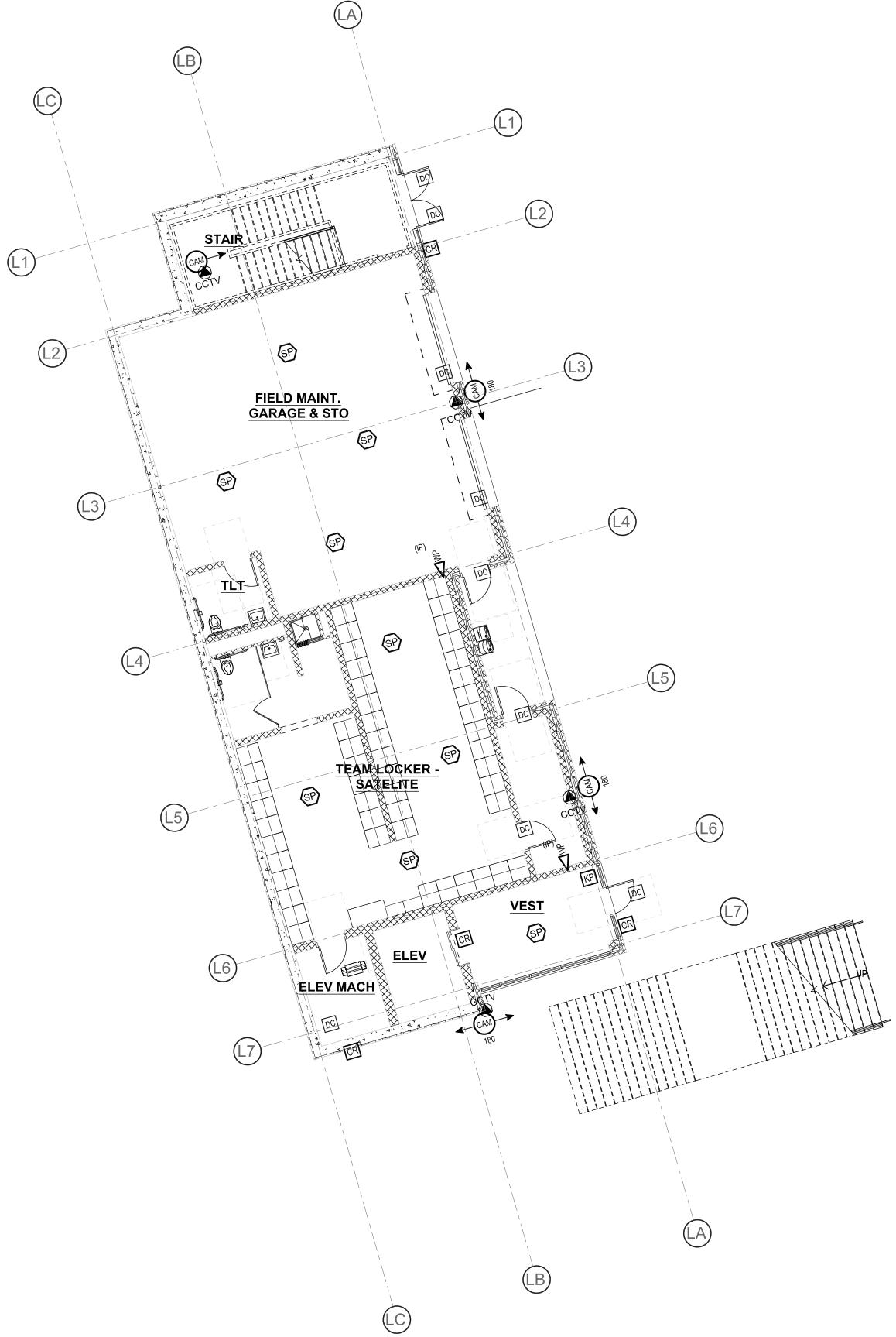
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23	DBINNEL VIOLUUTION INC.
24	© COPYRIGHT 2021
	A B     A B     B C     D     KEY PLAN     PROJECT NORTH     MAGNETIC NORTH
	FOURTH FLOOR TECHNOLOGY AND SECURITY PLAN - AREA D
	Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: 3Si Date: 8/4/2022



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

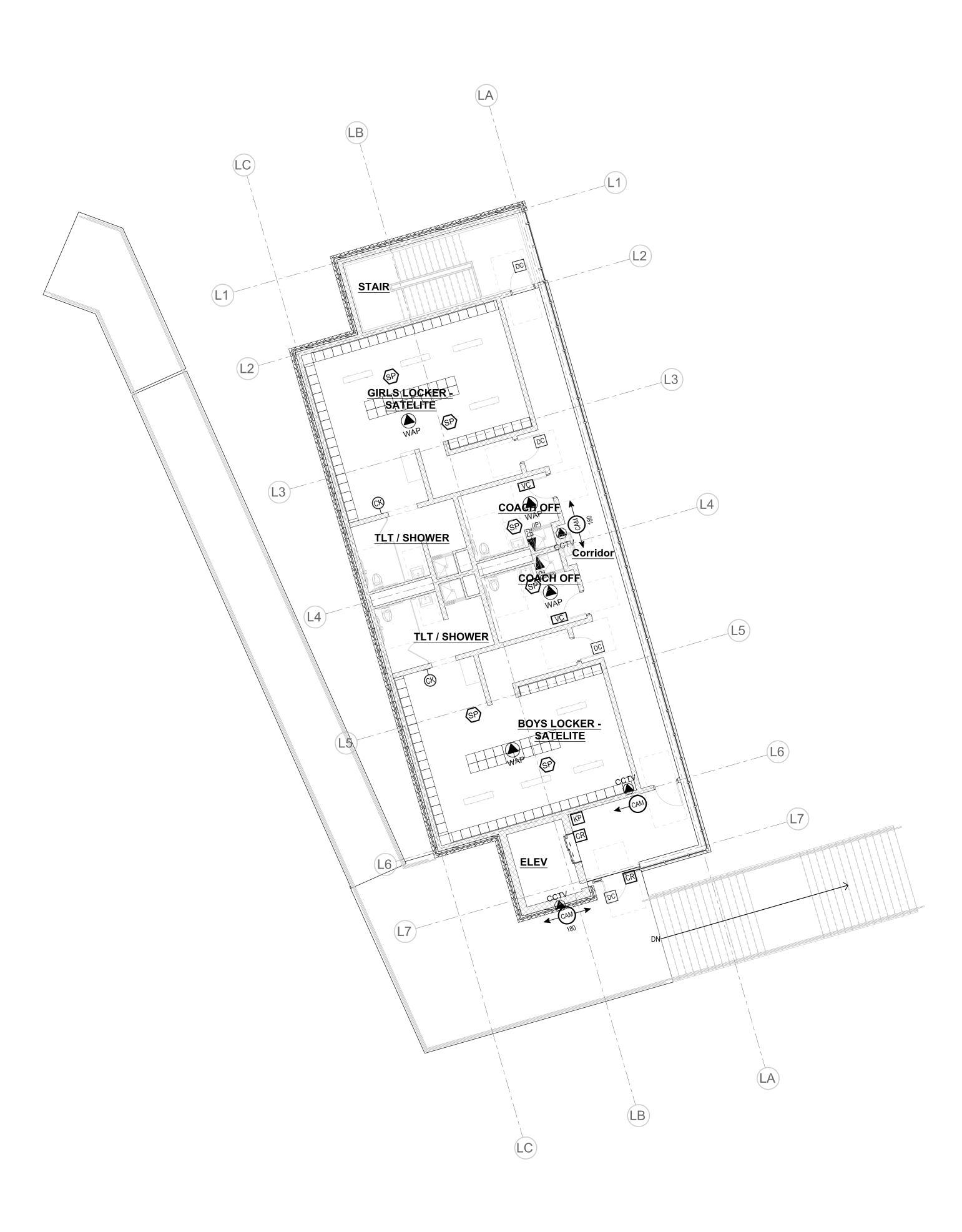


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	Wakefield, MA 01880	
C COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	MSBA DESIGN DEVELOPMENT SUBMISSION	
	PROJECT NORTH       MAGNETIC NORTH         N       Image: Constant of the second	
	Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By:MLD/AMD Date: 8/4/2022	

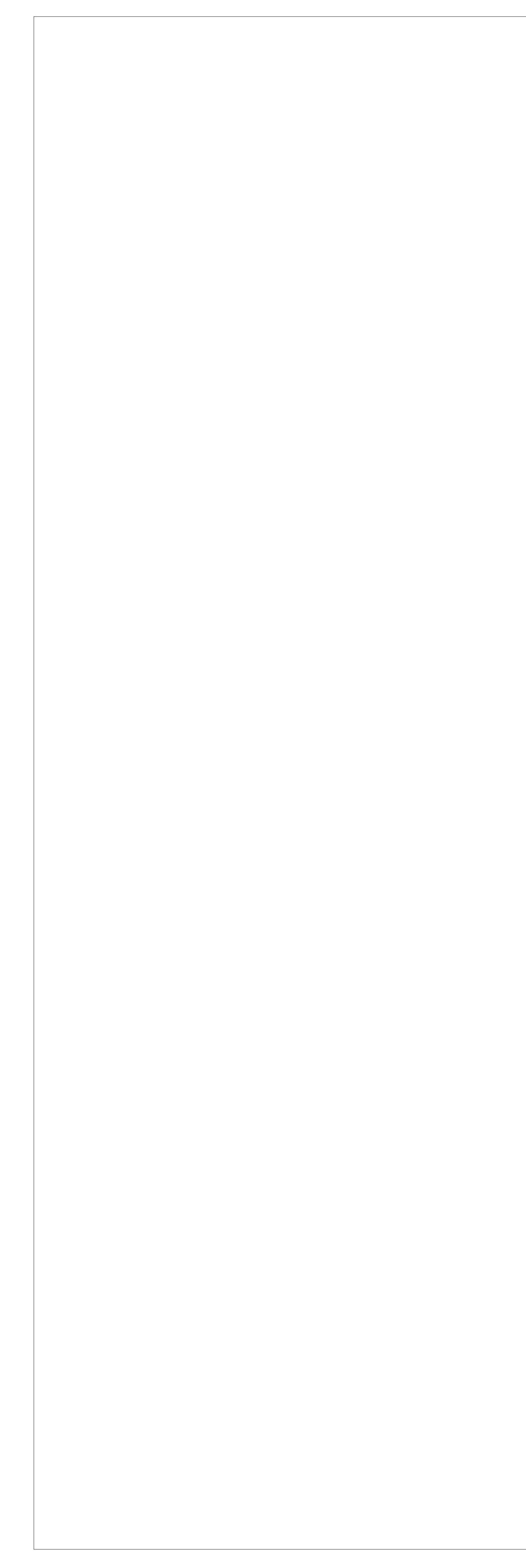


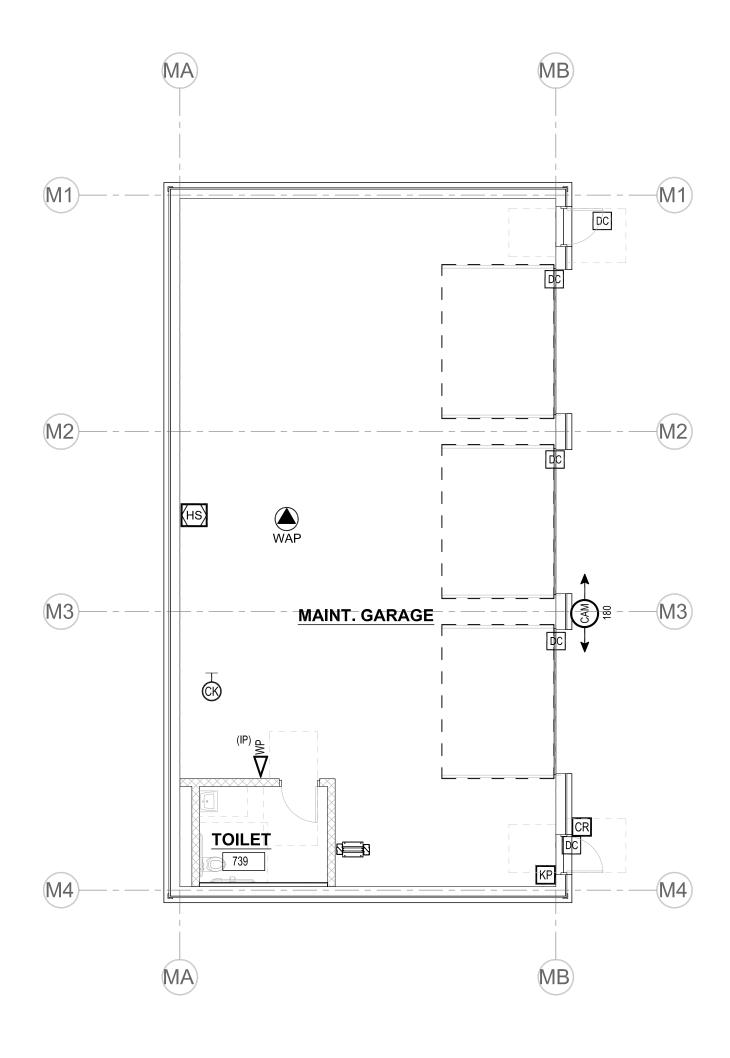


1 LOCKER BUILDING FIRST FLOOR PLAN 1/8" = 1'-0"



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	Wakefield, MA 01880
© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	
	PROJECT NORTH MAGNETIC NORTH
	LOCKER
	BUILDING TECHNOLOGY & SECURITY PLAN
	Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By:MLD/AMD Date: 8/4/2022





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

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	Wakefield,	
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	BUIL	MAGNETIC NORTH
		TY PLAN TM-1-1