POWER REQU I RED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	TYPICAL LOCATION	BACK BOX	NOTES
NONE	B T	BLUETOOH PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT	AS NOTED	2-GANG	REFER TO NOTE O
NONE		LOCAL AUDIO SYSTEM SPEAKER, CEILING MOUNTED 34" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING OR SUSPENDED FROM CEILING	N/A	REFER TO NOTE O
NONE	(UB)	LOCAL AUDIO SYSTEM SUBWOOFER SPEAKER, CEILING MOUNTED 34" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	ON CEILING OR SUSPENDED FROM CEILING	N/A	REFER TO NOTE O
NONE	LSS	LOCAL AUDIO SYSTEM SPEAKER, SURFACE WALL MOUNTED 34" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK XXX— LSS = LOCAL SOUND SPEAKER, FILL=FILL IN SPEAKER, SUB=SUBWOOFER SPEAKER	96" A.F.F. OR AS NOTED	N/A	REFER TO NOTE O
NONE	<u>L§S</u>	LOCAL AUDIO SYSTEM SUSPENDED SPEAKER ¾" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK XXX— LSS = LOCAL SOUND SPEAKER, FILL=FILL IN SPEAKER, SUB=SUBWOOFER SPEAKER	SUSPENDED FROM CEILING OR STRUCTURE	N/A	REFER TO NOTE O
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
120 VAC ONE QUAD		LARGE VENUE VIDEO PROJECTOR: REFER TO SPECIFICATIONS FOR DETAILS.	AS NOTED	N/A	REFER TO NOTE O
		AUDIO MONITORING SYSTEM SYMBOLS			
POWER REQU I RED	SYMBOL	DESCRIPTION (REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS)	TYPICAL LOCATION	BACK BOX	NOTES
NONE	(M) CEILING SPOT MIC	CEILING MIC CEILING MOUNTED SPOTLIGHT MICROPHONE 34" CONDUIT TO ASSOCIATED AMPLIFIER/RECEIVER	AS NOTED	2-GANG	REFER TO NOTE P
NONE	AMPIRECY	AMP/RECV LOCAL AUDIO MONITORING SYSTEM AMPLIFIER/RECEIVER 34" CONDUIT TO ASSOCIATED CEILING SPOTLIGHT MICROPHONES	ON CEILING OR SUSPENDED FROM CEILING	N/A	REFER TO NOTE P

POWER REQUIRED	SYMBOL	VIDEO SYSTEM SYMBOLS DESCRIPTION	LOCATION	FACEPLATE	NOTES		
120 VAC	VH	VH — HIGH VIDEO OUTLET:	REFER TO ARCH.		REFER TO	POWER REQUIRED	SYMB
ONE DUPLEX	7	ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN THE NEAREST WIRE CENTER.	DETAILS AND DRAWING T2-3, DETAIL 4		NOTES A, N	120 VAC ONE DUPLEX FOR EACH DATA DROP	DX (C
120 VAC ONE DUPLEX	₩ 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		REFER TO NOTES A, N	120 VAC ONE DUPLEX PLUS RECEPTACLE FOR	TD2
120 VAC ONE QUAD	FLATPANET	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	WP.
POWER		VIDEO SURVEILLANCE CAMERA SYMBOLS	TYPICAL			NONE	∇
REQUIRED PoE	SYMBOL CAM ->	1 002011, 5711, 1110111, 1 02, 17111111122 1 00112 22110111 221101 11150011, 00150011 501112, 171115112	ON CEILING, OR 15' TO	TWO GANG	REFER TO NOTE		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
PoE	-POE◀		25' A.F.G. 25' A.F.G. TYPICAL.	TWO GANG	REFER TO NOTE	NONE	
PoE	180 CAM	CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW. H.264 HD 1800 MULTI-LENS IP CCTV CAMERA WITH IR COLOR, DAY/NIGHT, PoE, VARIABLE FOCAL LENGTH LENS. INDOOR/OUTDOOR, VANDAL RESISTANT.	ON CEILING, OR 15' TO 20'	TWO GANG	REFER TO NOTE		DPI V
	270	REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW. H.264 HD 270° MULTI-SENSOR IP CCTV CAMERA WITH IR	A.F.F./A.F.G. ON CEILING, OR 15'	TWO	REFER TO	NONE	V
PoE	CAM	COLOR, DAY/NIGHT, PoE, VARIABLE FOCAL LENGTH LENS. INDOOR/OUTDOOR, VANDAL RESISTANT. REFER TO CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNT INFORMATION BELOW. H.264 HD 360* MULTI-SENSOR IP CCTV CAMERA WITH IR	TO 25' A.F.F./A.F.G. ON CEILING,	GANG	NOTES A, G	NONE	WAF
PoE	€ CAM → 360	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 25' A.F.F./A.F.G.	TWO GANG	REFER TO NOTE I		
LOC-TYF	P-RES-MNT	CAMERA LOCATION, TYPE, RESOLUTION, AND MOUNTS: LOC = LOCATION E - EXTERIOR/OUTDOOR CAMERA I - INTERIOR/INDOOR CAMERA				NONE	WAF
		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 SW - SURFACE WALL MDUNTED				POWER REQUIRED	SYMB
		PW - PENDANT WALL MOUNTED PP - PENDANT POLE MOUNTED PC - PENDANT CORNER MOUNTED				PoE	CCT
DOWED		DOOR AUDIO / VIDEO INTERCOM CONTROL SYSTE	_				
POWER REQUIRED	SYMBOL	DESCRIPTION AES - AUDIO ENTRANCE STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/BUILDING	TYPICAL LOCATION 48"	BACK BOX ONE	NOTES REFER TO NOTES	PoE	CCT
12/24	VES	SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS PoE SWITCH. VES — VIDEO/AUDIO ENTRANCE STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/BUILDING	A.F.F. 48"	GANG ONE	REFER TO NOTES	REFER TO	
VAC 120 VAC ONE	VMS	SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS Poe SWITCH. VMS — VIDEO/MONITOR/HANDSET MASTER STATION: ONE (1) RJ-45, CAT. 6E, 8-POSITION CONNECTOR FOR DATA CABLED TO SECURITY/ BUILDING	A.F.F. 18"	GANG ONE	REFER TO NOTES	ELEC. DRAWINGS FOR 120 VAC REQUIRED	\sqrt{\sqrt{sx}}
DUPLEX	VWO	SYSTEMS DATA PATCH PANEL IN NEAREST WIRE CENTER AND PATCHED TO SECURITY/BUILDING SYSTEMS POE SWITCH.	A.F.F.	GANG	A, J	PoE	
POWER REQUIRED	SYMBOL	INTRUSION ALARM SYSTEM SYMBOLS DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES	FOE	VAPE
NONE	DC	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	POWER	SYMB
NONE	MS/ C	MS — MOTION SENSOR: 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 CEILING	N/A CONDUIT WITH BUSHING FLUSH TO WALL SURFACE	REFER TO NOTE K	120 VAC QUAD MINIMUM	H
NONE	LR \MS/	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 CEILINGS	N/A CONDUIT WITH BUSHING FLUSH TO WALL SURFACE	REFER TO NOTE K	QUAD 120 VAC REEL	⊗
12/24 VDC	SA	SA — SIREN FOR INTRUSION ALARM SYSTEM: CABLING: #22 AWG 6—CONDUCTOR SHIELDED CABLE, OR AS PER MANUFACTURER RECOMMENDATION, HOME RUN TO INTRUSION ALARM SYSTEM HEADEND.	96" A.F.F.	ONE GANG	REFER TO NOTE K	120 VAC QUAD	
12/24 VDC	ВА	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.	MIN. 120" A.F.G. COORDINATE LOCATION W/ ARCH.	ONE GANG	REFER TO NOTE K		
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 X
POWER REQUIRED	SYMBOL	ACCESS CONTROL SYSTEM SYMBOLS DESCRIPTION	TYPICAL LOCATION	BACK BOX	NOTES	POWER	
NONE	CR	CR - PROXIMITY/CARD READER: CABLING: #22 AWG 6-CONDUCTOR SHIELDED, OR AS PER MANUFACTURER RECOMMENDATION.	48" A.F.F.	ONE GANG	REFER TO NOTES	REQUIRED	SYMB
		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.	GAING	A, L	NONE	(SP)
POWER		LARGE VENUE AUDIOVISUAL SYSTEM SYMBOLS DESCRIPTION	TYPICAL			NONE	(HS)
REQUIRED 120 VAC QUAD	SYMBOL	(REFER TO AV DRAWINGS AND SPECIFICATIONS FOR DETAILS) MIDDLE ATLANTIC DRW SERIES AUDIOVISUAL SYSTEM EQUIPMENT WALL RACK	LOCATION AS NOTED ON	BACK BOX	REFER TO NOTE	NONE	(нs)
DEDICATED 120 VAC QUAD		MIDDLE ATLANTIC WRK SERIES AUDIOVISUAL SYSTEM EQUIPMENT RACK	DRAWINGS AS NOTED ON	N/A	REFER TO NOTE	NONE	VC
DEDICATED		MIDDLE ATLANTIC WAY SERIES AUDIOVISUAL STSTEM EQUIPMENT NACK	DRAWINGS	N/A	O	NONE	IMS
NONE	СТР	AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL: WITH CLEAR PLASTIC SECURITY COVER: PROGRAM CONTROL TOUCH PANEL AS AS REQUIRED BY OWNER BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	48" A.F.F. OR AS NOTED	48" A.F.F.	REFER TO NOTE O		1
NONE	ТРР	AUDIOVISUAL SYSTEM CONTROL TOUCH PANEL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE O	POWER REQUIRED	SYMB
NONE		DANTE INPUT WALL PLATE: BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	96" A.F.F.	ONE GANG	REFER TO NOTE O	120 VAC HARD WIRED	SFR SP
NONE	MON	MONITOR WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	2-GANG	REFER TO NOTE O	DOWES	
NONE	AIP .	AUDIO INPUT WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE O	POWER REQUIRED	SYMB(
NONE	IC	INTERCOM WALL PLATE BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK	18" A.F.F.	1-GANG	REFER TO NOTE O		
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	POWER REQUIRED	LOC
NONE	(IP)	VIDEO INPUT WALL PLATE: BACK BOX WITH 1" CONDUIT TO LOCAL AUDIOVISUAL CONTROL RACK.	18" A.F.F.	2-GANG	REFER TO NOTE O	NEGUIRED	VPH
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	*
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		
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	120 VAC	VPL W

REFER TO NOTE

DUPLEX

OR AS NOTED

ON CEILING/ STRUCTURE 1-GANG

WIRELESS MICROPHONE RF ANTENNA PLATE
BACK BOY WITH 1" CONTROL

BACK BOX WITH 1" CONDUIT TO AUDIOVISUAL EQUIPMENT RACK

		WORK AREA OUTLETS AND CABLING			
POWER REQU I RED	SYMBOL	DESCRIPTION DX - DATA OUTLET:	TYPICAL LOCATION	TYPICAL FACEPLATE	NOTES
120 VAC ONE	DX	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).	18" A.F.F.		REFER TO
DUPLEX FOR EACH DATA DROP	V	(X) = VoIP PHONE HANDSET TYPE. VoIP HANDSETS WILL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT. (IP) = VoIP PHONE HANDSET, (IP, CNF) = VoIP CONFERENCE PHONE.	OR AS NOTED.		NOTE A
120 VAC ONE DUPLEX PLUS ECEPTACLE FOR COPIER	TD2	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	$\sum_{MB(IB)}$	"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
NONE	(X) Y	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.	18" A.F.F.	RJ4S	REFER TO NOTE B
		<pre>(X) = TYPE OF POTS PHONE LINE: E = DEDICATED EMERGENCY ELEVATOR LINE, F = DEDICATED FAX LINE, M = DEDICATED MODEM LINE, T = DEDICATED POTS VOICE LINE.</pre>			В
NONE	DPI (SIP)	DPI — DOOR PHONE INTERCOM OUTLET: ONE (1) CAT. 6E, RJ—45 8—POSITION CONNECTOR FOR DATA CABLED TO DATA PATCH PANEL IN NEAREST WIRE CENTER. (SIP) = DOOR PHONE/INTERCOM SIP DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	48" A.F.F.		REFER TO NOTE A
NONE	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.		REFER TO NOTE A
NONE	WAP	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.		REFER TO NOTES A, H
POWER		SECURITY AND BUILDING SYSTEMS SYMBOLS	TVDICAL	TVDICAL	
REQUIRED	SYMBOL	DESCRIPTION CCTV - ABOVE CEILING CCTV DATA OUTLET:	TYPICAL LOCATION ABOVE	TYPICAL FACEPLATE	NOTES
PoE	CCTV	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.	CEILING. COORDINATE LOCATION PRIOR TO INSTALLATION	RJ-45	REFER TO NOTES A, I
PoE	CCTV AH	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
REFER TO ELEC. DRAWINGS FOR 120 VAC REQUIRED	SX	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 NOTES A
PoE	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	H	REFER TO NOTES A
,	MIS	C. BACK BOXES, FLOOR BOXES, BRACKETS AND ENCLOSU	RE SYM	3OLS	
POWER REQUIRED	SYMBOL	DESCRIPTION INDICATES TELECOMMUNICATIONS OUTLETS MOUNTED IN COMBINATION ELECTRICAL / LOW VOLTAGE	TYPICAL LOCATION	ENCLOSURE BACK BOX	NOTES
120 VAC QUAD MINIMUM	DX	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.	IN FLOOR	N/A	N/A
120 VAC QUAD	- ⊘ □ 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
120 VAC REEL	G ■D1	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	E MP	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
NONE	WE XX	WE — WALL ENCLOSURE FOR WIRELESS ACCESS POINT WALL MOUNTED NON—METALLIC ENCLOSURE WITH CLEAR COVER TO HOUSE WIRELESS ACCESS POINT DEVICE. INSTALL ENCLOSURE DIRECTLY OVER WIRELESS ACCESS POINT (WAP) OUTLET. WP = WEATHER PROOF ENCLOSURE	ON WALL MOUNTED OVER "WAP" OUTLET. REFER TO DWG. NOTES FOR HEIGHT.	N/A	REFER TO NOTES A, H
		WIRELESS ACCESS POINT DEVICE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.	TON TIEIOTTI.		
POWER REQUIRED	SYMBOL	PUBLIC ADDRESS SYSTEM SYMBOLS DESCRIPTION	TYPICAL	BACK BOX	NOTES
NONE	(SP)	PUBLIC ADDRESS SPEAKER, FLUSH CEILING MOUNTED	ON CEILING	SPECIAL	REFER TO NOTE
NONE	(SP)	PUBLIC ADDRESS SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	COORDINATE WITH	SPECIAL	REFER TO NOTE
NONE	(HS)	PUBLIC ADDRESS HORN SPEAKER, FLUSH WALL MOUNTED IN A 4" DEEP BACK BOX	ARCHITECT COORDINATED WITH	SPECIAL	C REFER TO NOTE
NONE	<u>(нs</u>)с	PUBLIC ADDRESS HORN SPEAKER, IN A 4" DEEP BACK BOX SURFACE MOUNTED ON DECK	ARCHITECT COORDINATED WITH	SPECIAL	C REFER TO NOTE
			ARCHITECT 48"	ONE	C REFER TO
NONE	IMS	PUBLIC ADDRESS SPEAKER VOLUME CONTROL 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.	GANG ONE GANG	REFER TO NOTE C
			DOL C		
POWER REQUIRED	SYMBOL	CLASSROOM SPEECH REINFORCEMENT SYSTEM SYM DESCRIPTION	LOCATION	BACK BOX / FACE PLATE	NOTES
120 VAC HARD WIRED	SFR SP	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	× ©B	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
POWER	OCAL SYMBOL	INSTRUCTIONAL AUDIOVISUAL PRESENTATION CABLING S'	YSTEM S	SYMBOLS FACEPLATE	NOTES
120 VAC ONE DUPLEX	VPH \$\frac{1}{V}\$	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.	REFER TO ARCH. DETAILS AND DRAWING T2-3, DETAIL 2	RIAG RIAG RIAG RIAG RIAG RIAG RIAG RIAG	REFER TO NOTES A, F, N
		VPL — LOW VIDEO PRESENTATION OUTLET FOR INTERACTIVE FLAT PANEL DISPLAY:		i	

CONNÈCTOR IN ASSOCIATED VPH OUTLET.

CONNÈCTOR IN ASSOCIATED VPH OUTLET.

ONE (1) HDMI CONNECTOR WITH HIGH PERFORMANCE HDMI CABLE TO ASSOCIATED HDMI

ONE (1) 3.5MM AUDIO CONNECTOR FOR SOUND CABLED TO 3.5MM CONNECTOR IN ASSOCIATED VPH

ONE (1) RJ-45, CAT 6E, 8-POSITION CONNECTOR WITH CAT. 6E CABLE HOME RUN TO RJ-45

GENERAL NOTES 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
- 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE
- 4. TELECOMMUNICATIONS OUTLETS ARE NOT TO BE INSTALLED BACK-TO-BACK IN DEMISING WALLS. SPACE BACK BOXES
- 5. FIELD VERIFY EXACT LOCATIONS FOR ALL TELECOMMUNICATION DEVICES. 6. ALL SERVICE ENTRANCE CONDUITS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

SUCH ITEMS SHALL BE FURNISHED AND INSTALLED AS NECESSARY FOR A COMPLETE SYSTEM.

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 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 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, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD BACKBOARDS 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 DEVICE LOCATIONS ARE TO BE TERMINATED ON DATA PATCH PANELS. ALL VOICE OVER IP EQUIPMENT INCLUDING HANDSETS 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, PULL LINES, BLANK FACEPLATES WHERE REQUIRED, CABLE TRAY, AND PLYWOOD

BACKBOARDS FOR TERMINATION FIELDS. NOTE C: PUBLIC ADDRESS / INTERCOM SYSTEM

THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL FURNISH ALL PUBLIC ADDRESS/INTERCOM SPEAKER BACK BOXES TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. THE PUBLIC ADDRESS/INTERCOM DIVISION 275115 CONTRACTOR SHALL PROVIDE HEAD-END EQUIPMENT AND FIELD DEVICES FOR THE PUBLIC ADDRESS/INTERCOM SYSTEM. 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,

AND TO ALL LOCAL SOUND SYSTEMS. 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 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 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. NOTE E: CLOCK SYSTEM

THE CLOCK SYSTEM DIVISION 275313 CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LOW VOLTAGE WIRING, AND PROGRAMMING FOR 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 BACKBOARDS FOR TERMINATION FIELDS. NOTE F: LOCAL AUDIO-VISUAL CABLING

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 CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED. NOTE G: INSTRUCTIONAL INTERACTIVE FLAT PANEL DISPLAYS

THE INSTRUCTIONAL INTERACTIVE DISPLAYS WILL BE PROVIDED BY THE OWNER UNDER SEPARATE CONTRACT. THE DIVISION 274100 IPTV CONTRACTOR SHALL INTERFACE ALL DISPLAYS TO THE IPTV SYSTEM. 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 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 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 MOUNTED NEMA ENCLOSURES WITH CLEAR COVERS BY OBERON OR EQUAL. 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 MOUNTED ENCLOSURES PRIOR TO ORDERING

NOTE I: CCTV VIDEO SURVEILLANCE SYSTEM 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 BUILDING SYSTEMS IP DEVICES PROVIDED BY OTHERS. 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 TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS. 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, CABLE TRAY, AND PLYWOOD BACKBOARDS FOR TERMINATION FIELDS..

NOTE J: DOOR AUDIO/VIDEO INTERCOM SYSTEM 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 AUDIO/VIDEO INTERCOM SYSTEM TO THE SECURITY SYSTEMS.

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 EQUIPMENT TO THE DOOR AUDIO/VIDEO ACCESS CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED 120 VAC SERVICE AND PATHWAYS INCLUDING CONDUIT, SLEEVES, BUSHINGS, BACK BOXES, MUD BOXES, PULL LINES, AND BLANK FACEPLATES WHERE REQUIRED. NOTE K: INTRUSION ALARM SYSTEM

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, AND HEAD-END SYSTEM. THE INTEGRATED SECURITY DIVISION 281600 CONTRACTOR SHALL PROVIDE INTEGRATION AND PROGRAMMING WITH THE INTEGRATED CCTV SYSTEM AND THE ACCESS CONTROL SYSTEM. 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 PLYWOOD BACKBOARDS FOR TERMINATION FIELDS..

NOTE L: ACCESS CONTROL SYSTEM 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 CONTROL SYSTEM WITH THE INTRUSION ALARM SYSTEM AND THE CCTV SYSTEM.

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 ACTUATORS ARE OPERABLE ONLY WHEN DOORS ARE UNLOCKED.

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, CABLE TRAY, PLYWOOD BACKBOARDS FOR TERMINATION FIELDS, AND BLANK FACEPLATES WHERE REQUIRED. NOTE M: NOT USED

NOTE N: NOT USED NOTE O: LARGE VENUE AUDIOVISUAL SYSTEMS

ALUMINUM FP

W/ ENGRAVED LABELS

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. NOTE P: AUDIO MONITORING SYSTEMS

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.

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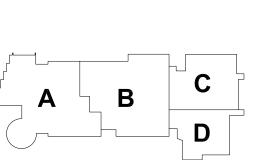
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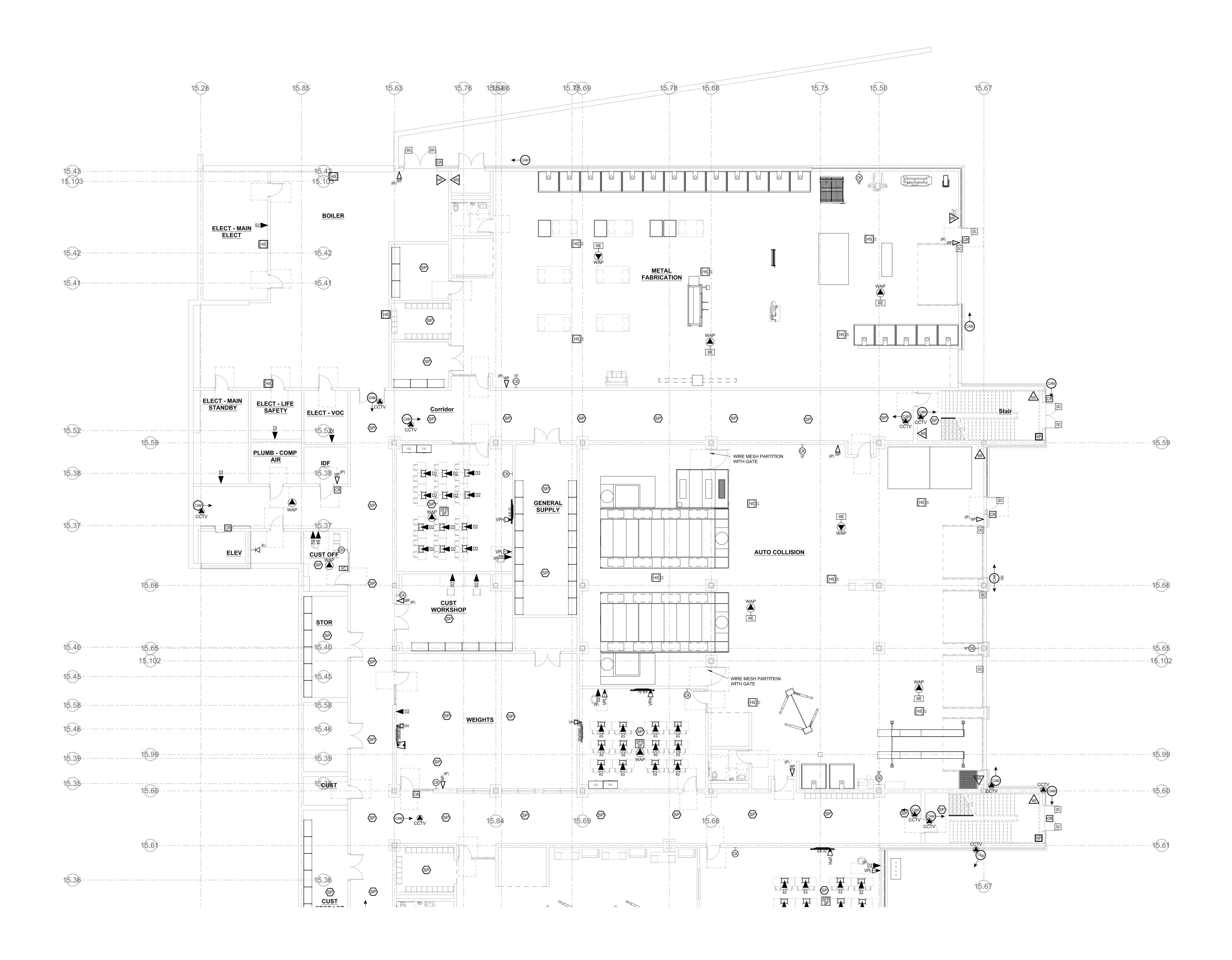


KEY PLAN MAGNETIC NORTH

PROJECT NORTH

TECHNOLOGY, **SECURITY & AUDIOVISUAL** SYMBOL LIST

Scale: NONE Job No.: 20202 Date: JUNE 17, 2021



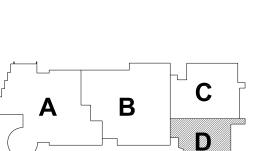
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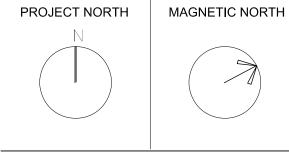


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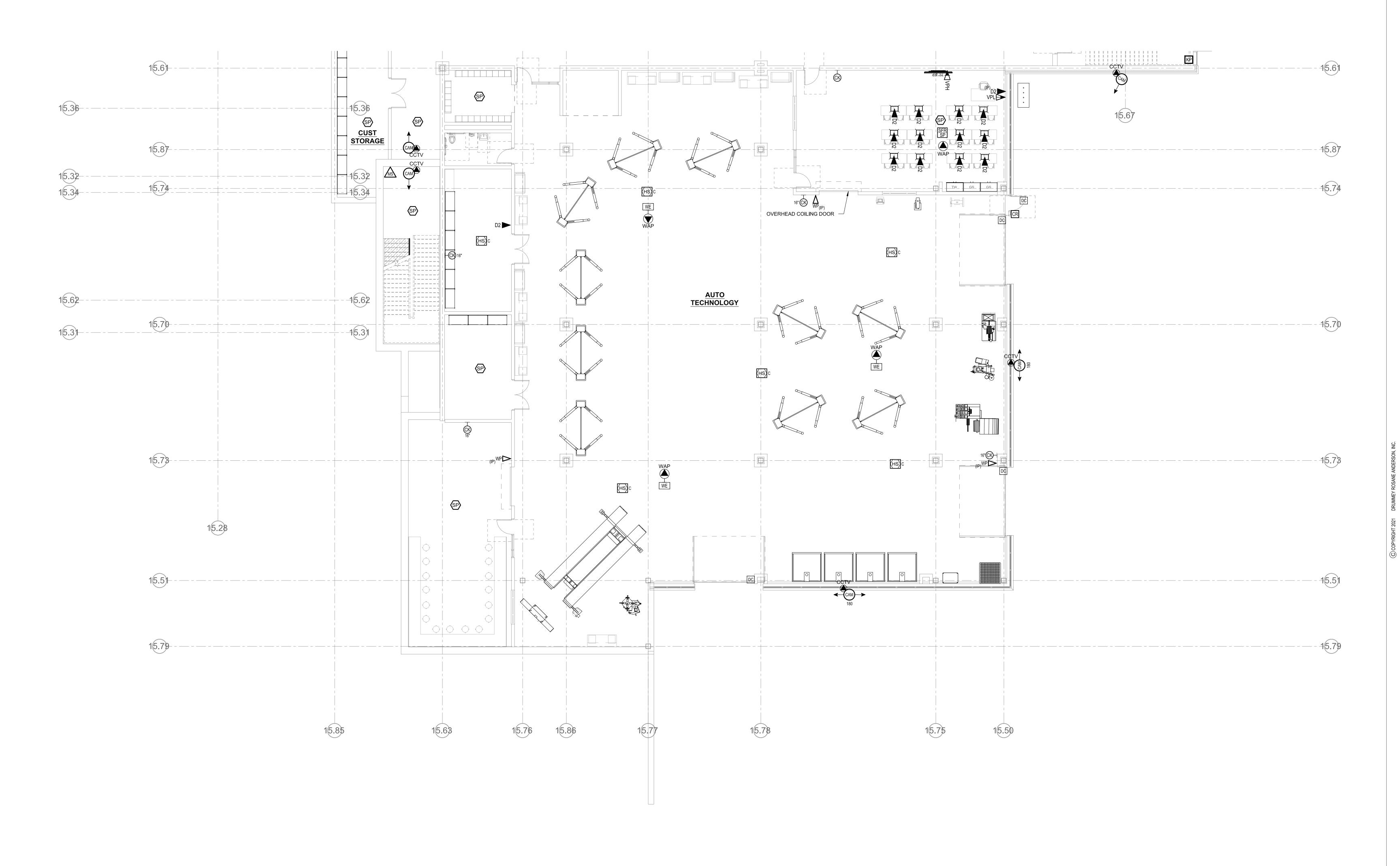
PROJECT NORTH



LOWER LEVEL FLOOR PLAN -AREA C TECHNOLOGY & SECURITY

Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: MLD/AMD Date: JUNE 17, 2021

T1-1-0C



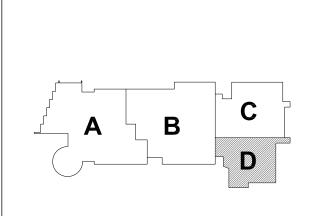
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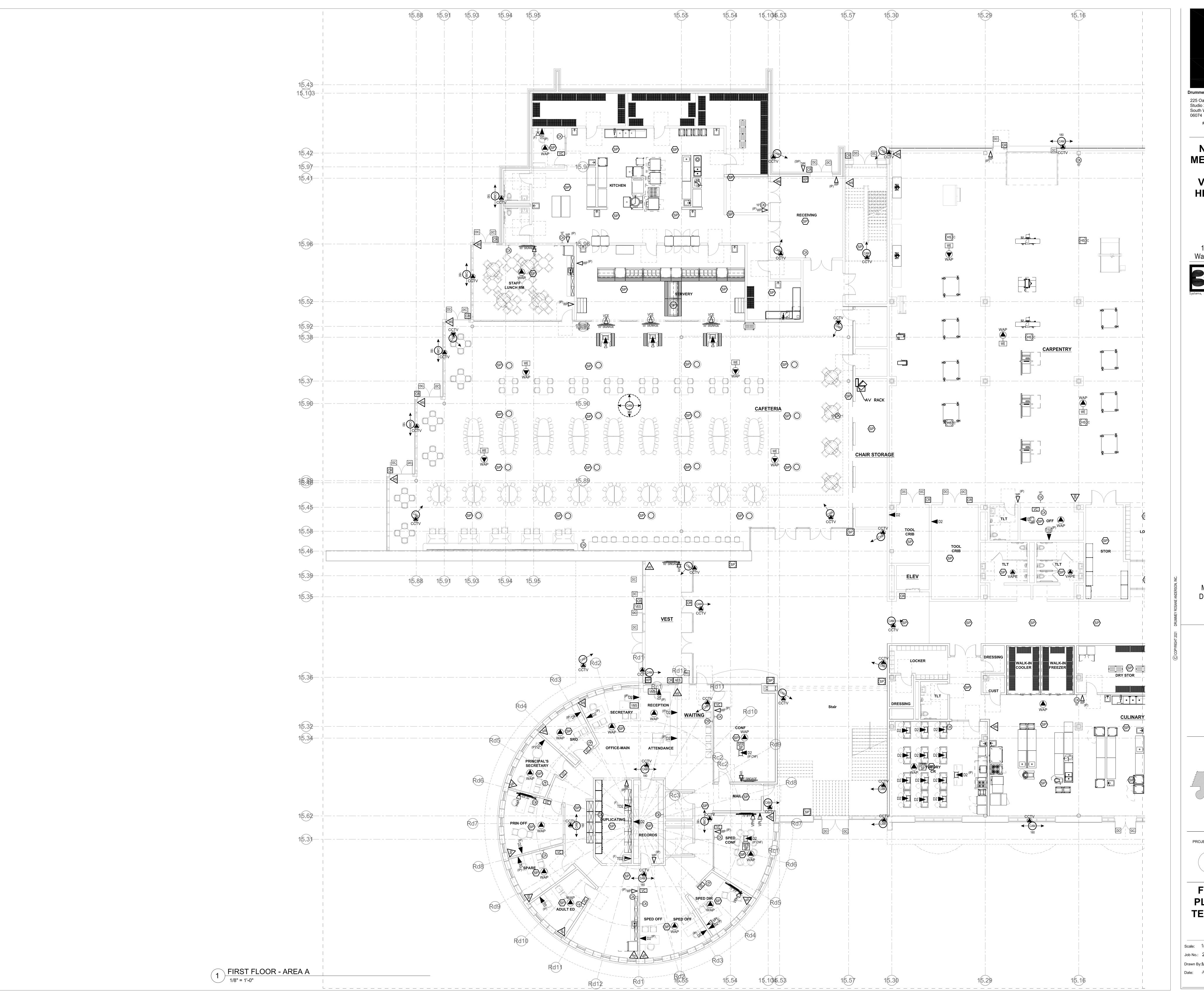
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LOWER LEVEL FLOOR PLAN -AREA D TECHNOLOGY & **SECURITY**

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

T1-1-0D Date: JUNE 17, 2021

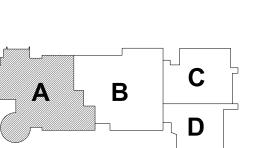




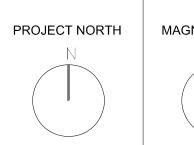
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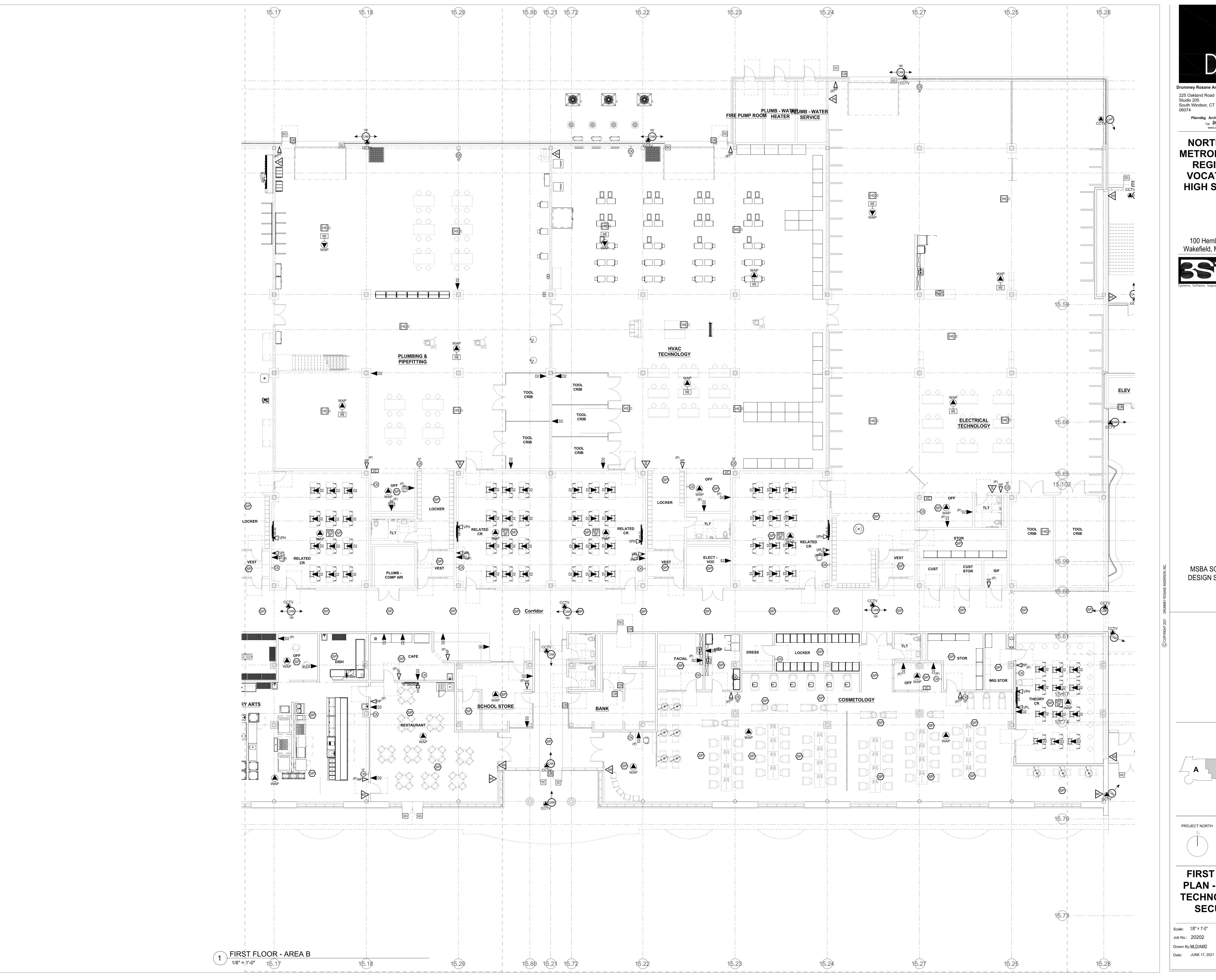
KEY PLAN PROJECT NORTH



FIRST FLOOR PLAN - AREA A **TECHNOLOGY &** SECURITY

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T1-1-1A Date: JUNE 17, 2021



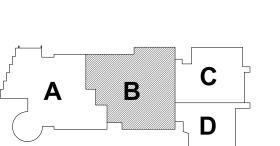
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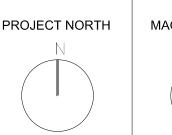
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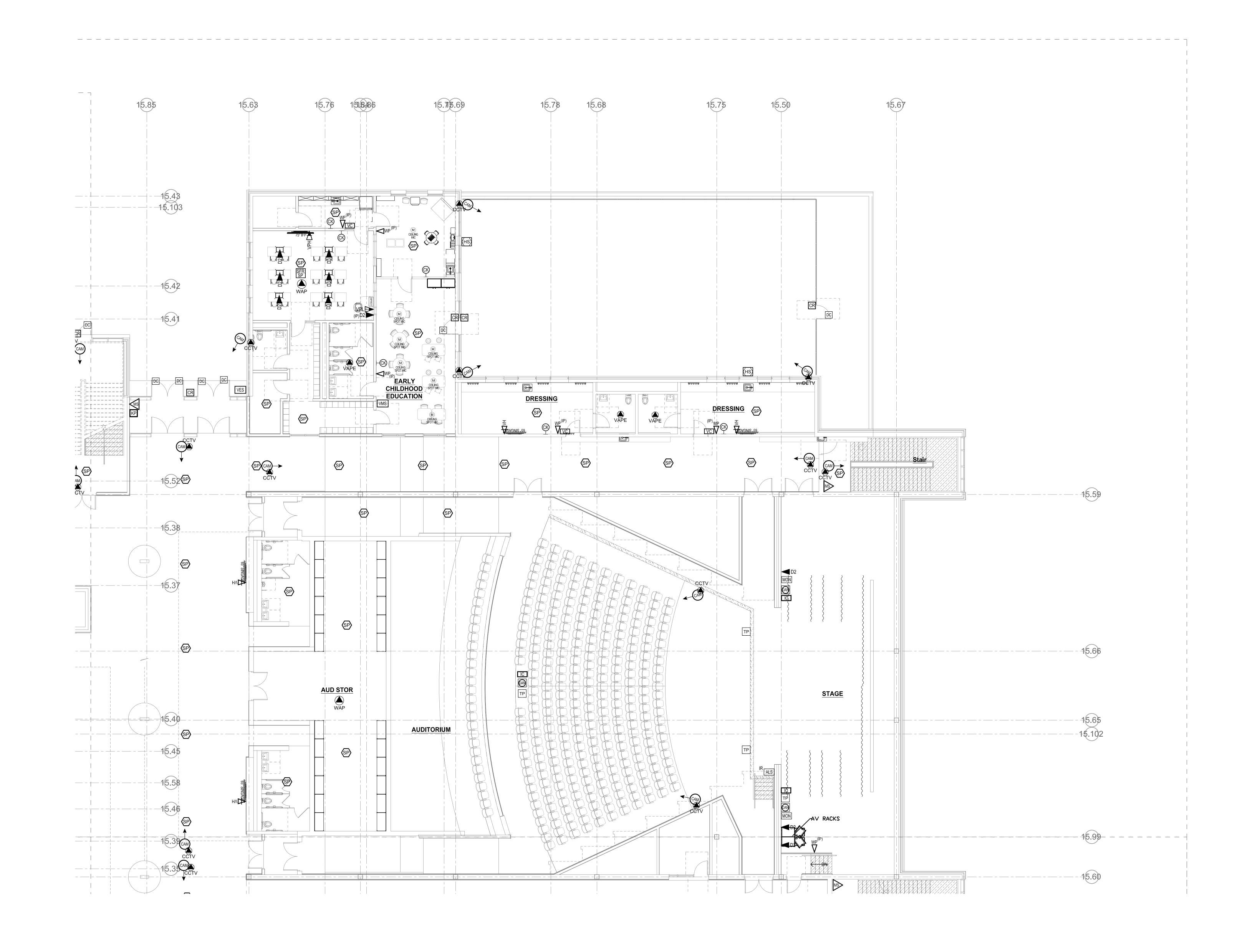
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PLAN - AREA B TECHNOLOGY & SECURITY

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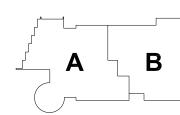
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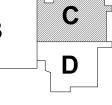
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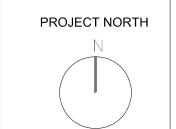


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KEY PLAN
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FIRST FLOOR
PLAN - AREA C
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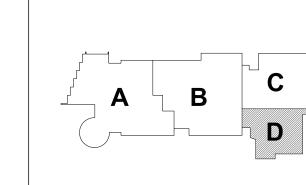
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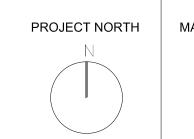
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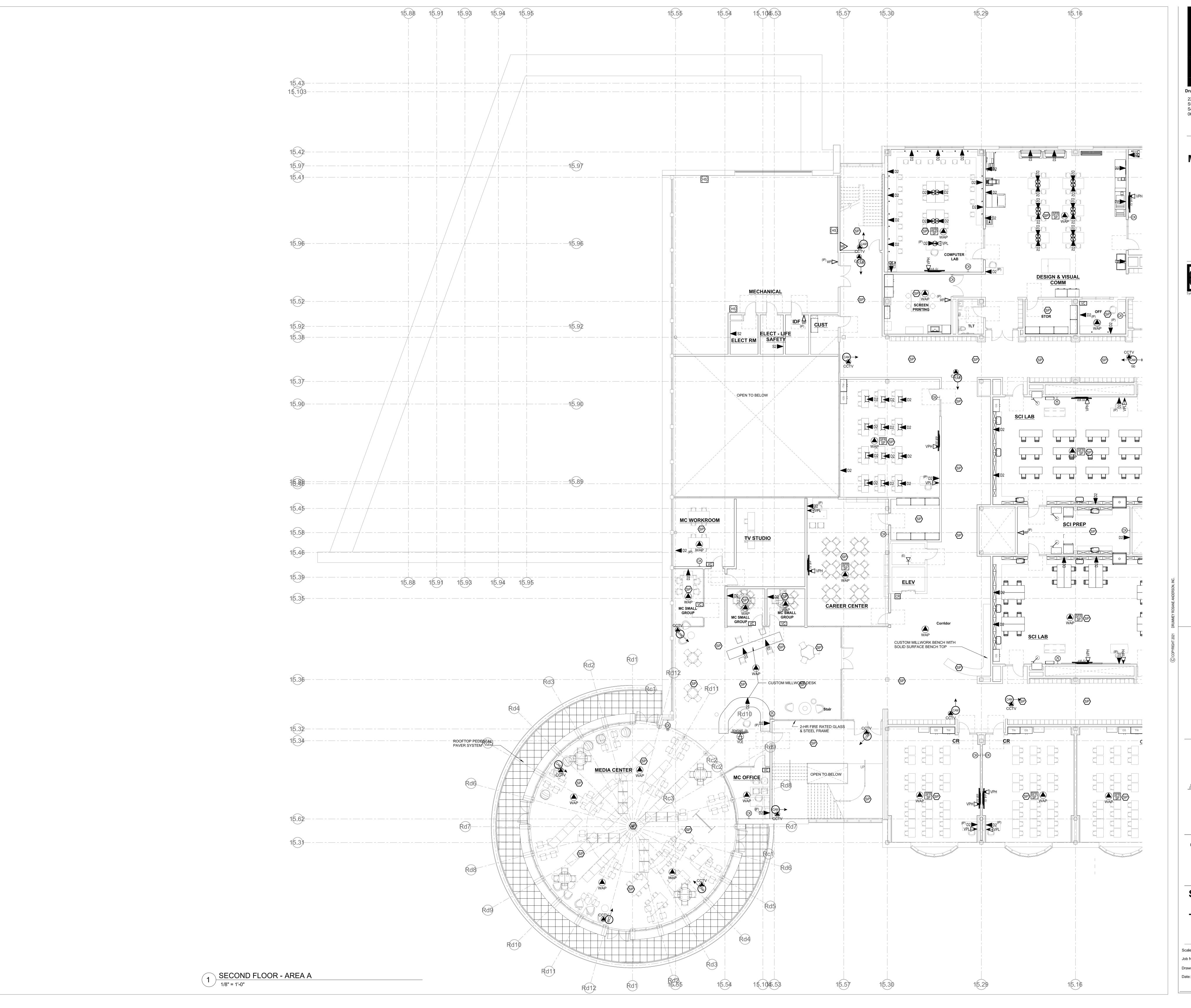


KEY PLAN



FIRST FLOOR
PLAN - AREA D
TECHNOLOGY & **SECURITY**

Scale: 1/8" = 1'-0" Job No.: 20202 Date: JUNE 17, 2021





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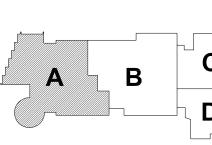
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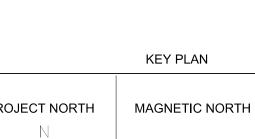
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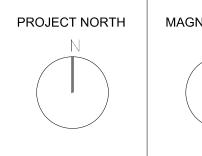
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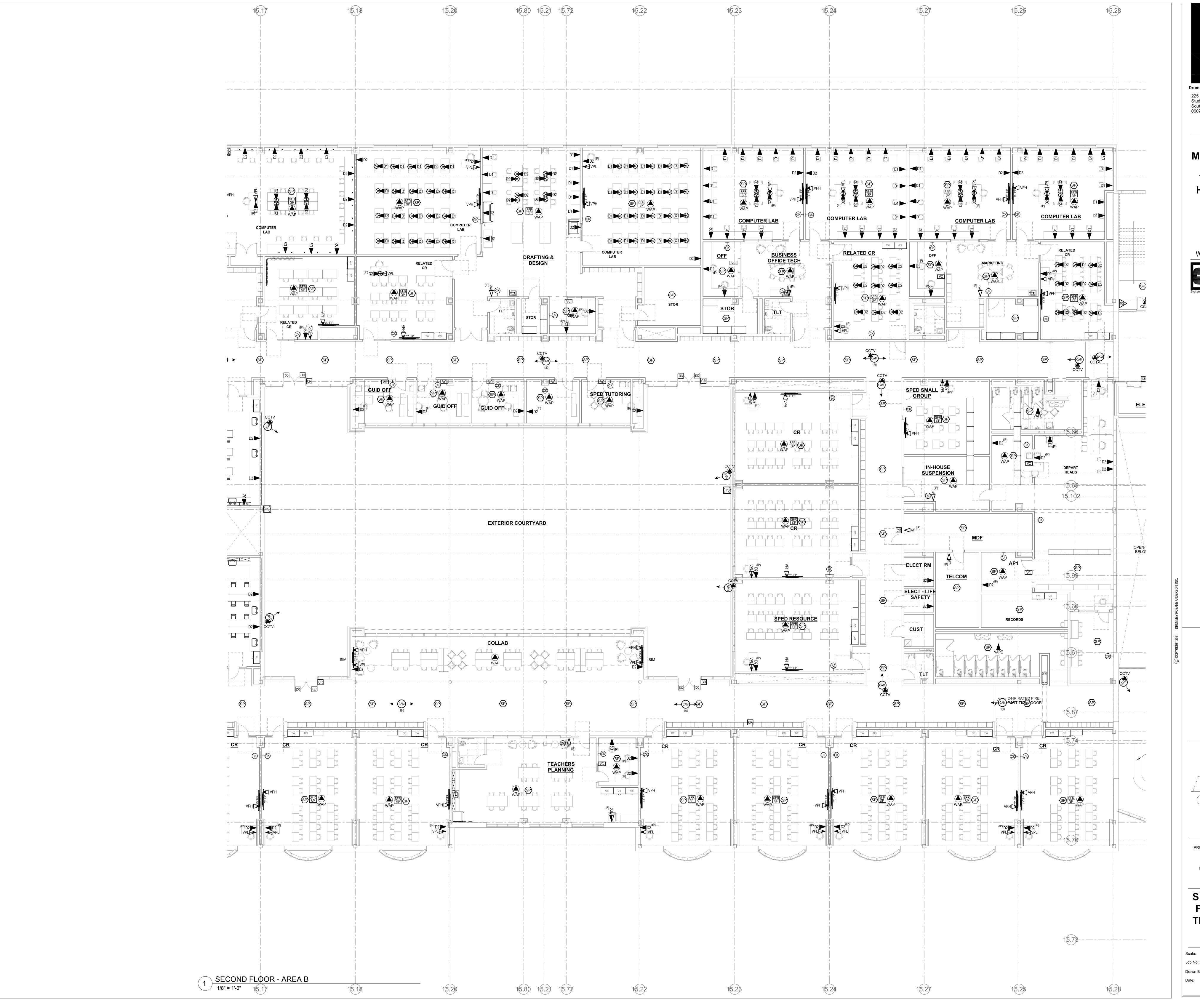






SECOND FLOOR
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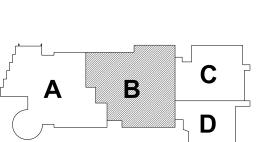
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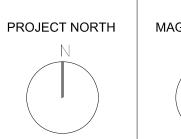
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PROJECT NORTH MAGNETIC NORTH



SECOND FLOOR PLAN - AREA B TECHNOLOGY & SECURITY

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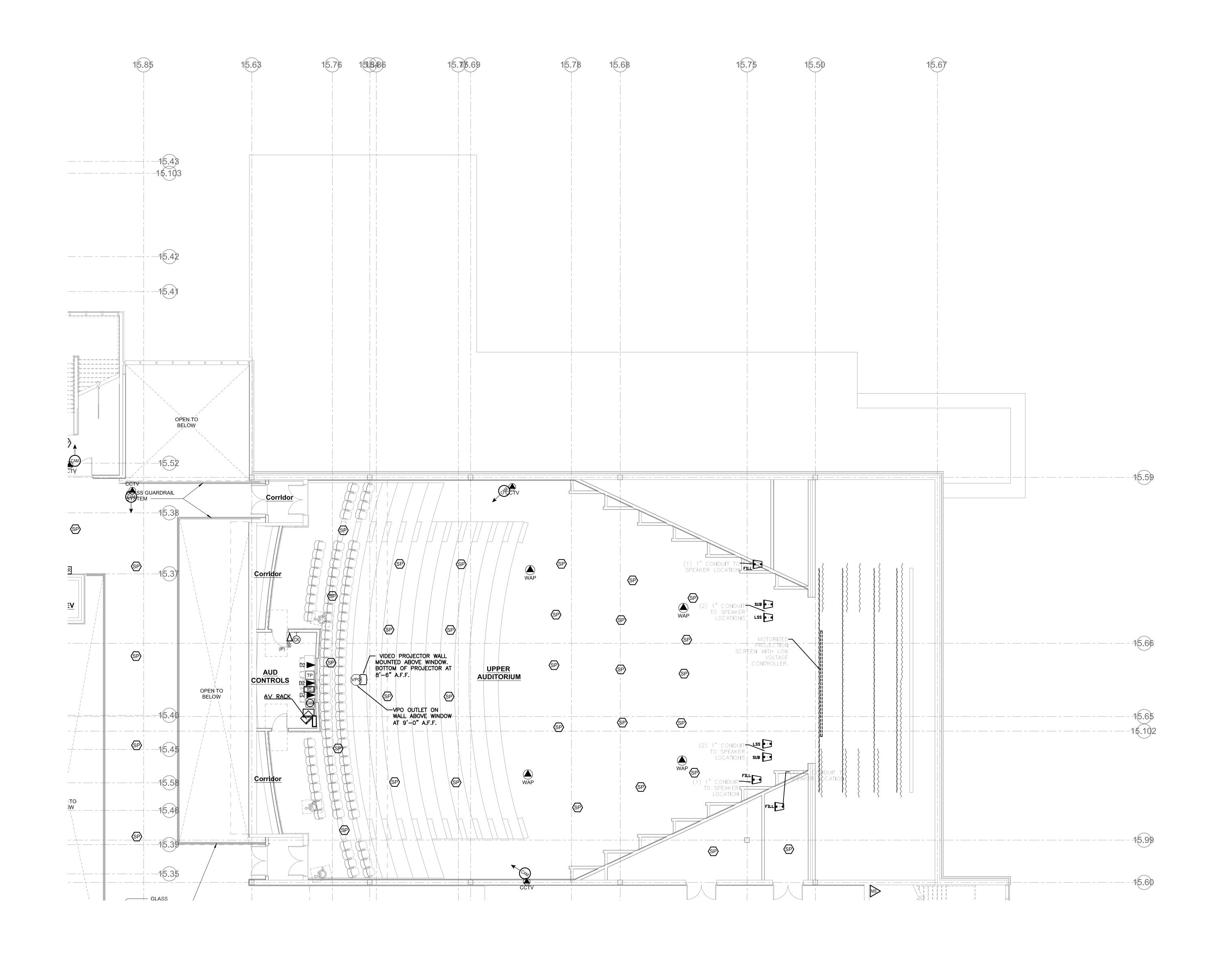
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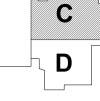
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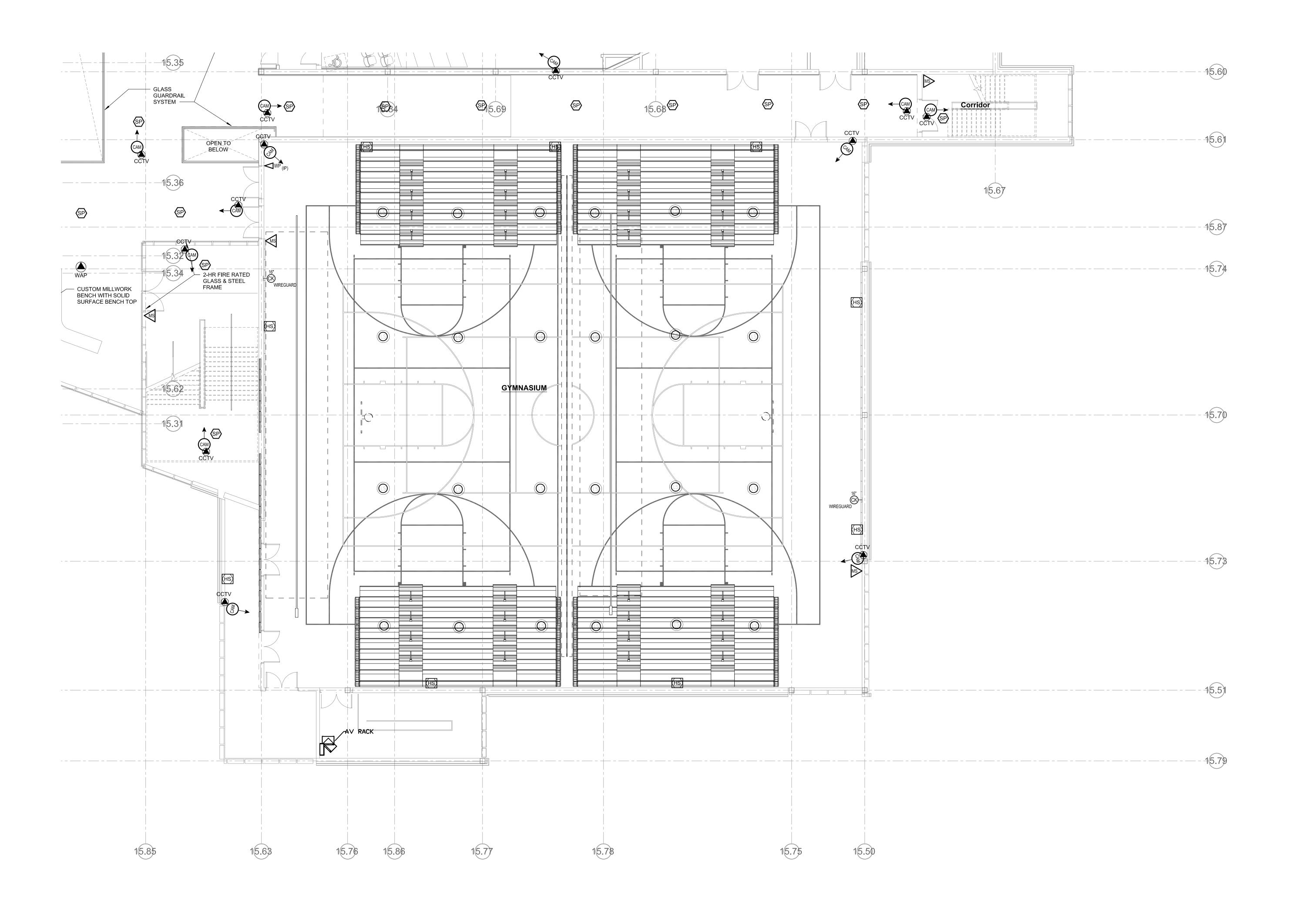


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PLAN - AREA C TECHNOLOGY & SECURITY





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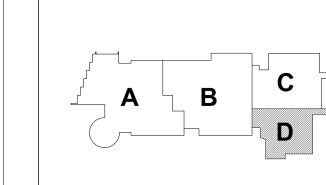
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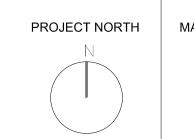
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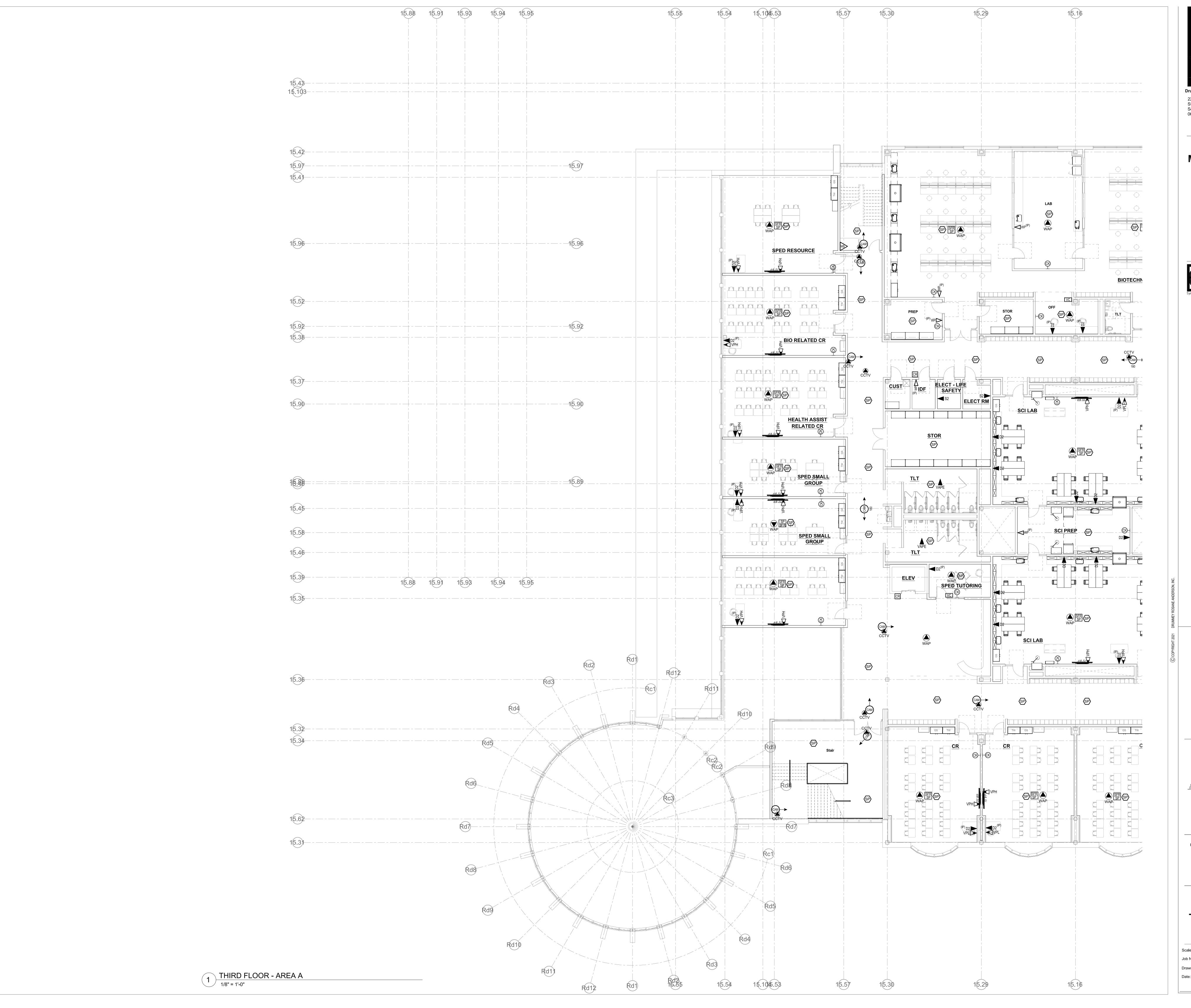
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PROJECT NORTH MAGNETIC NO



SECOND FLOOR PLAN - AREA D TECHNOLOGY & SECURITY

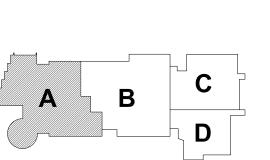




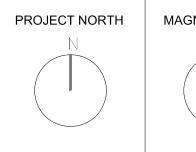
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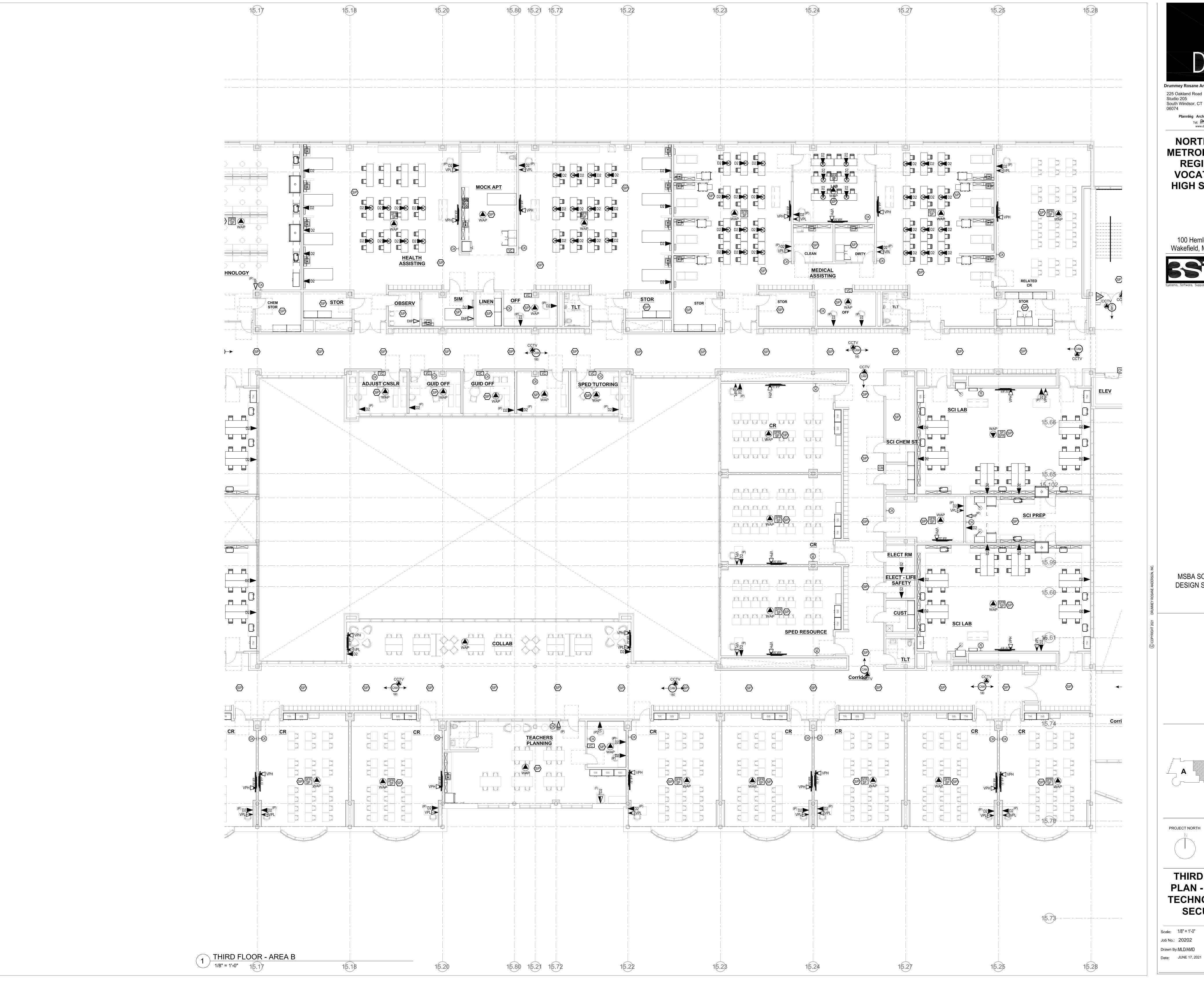
KEY PLAN MAGNETIC NORTH



THIRD FLOOR PLAN - AREA A **TECHNOLOGY & SECURITY**

Scale: 1/8" = 1'-0" Job No.: 20202 Date: JUNE 17, 2021

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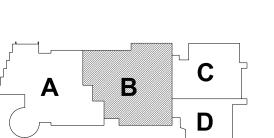




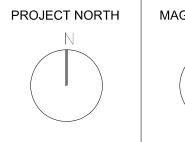
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KEY PLAN MAGNETIC NORTH

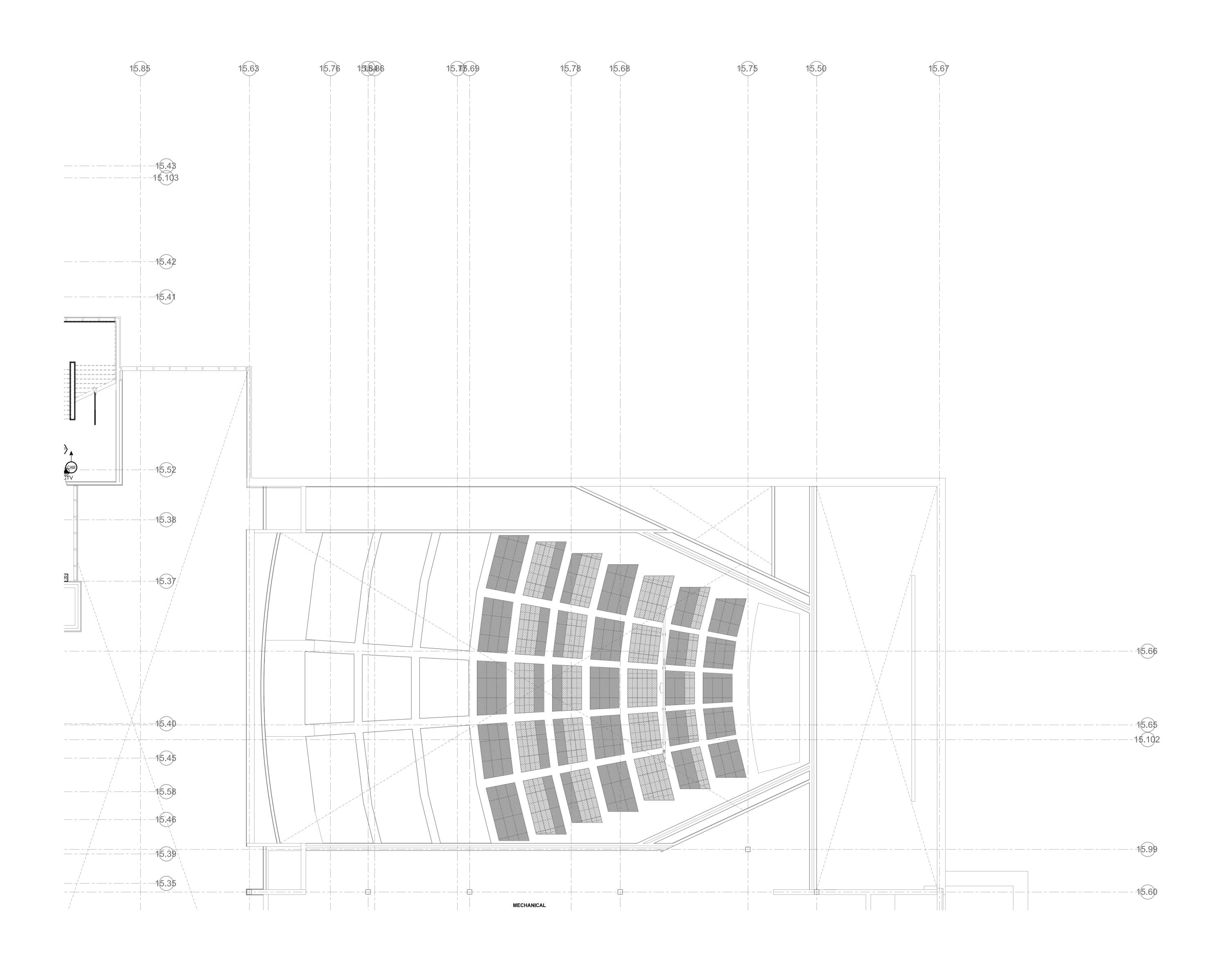


THIRD FLOOR

PLAN - AREA B TECHNOLOGY & SECURITY

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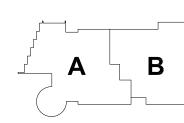
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Tel: 017.964.1700
www.draws.com

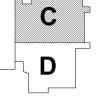
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL

100 Hemlock Rd, Wakefield, MA 01880

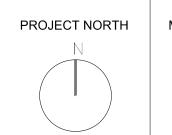


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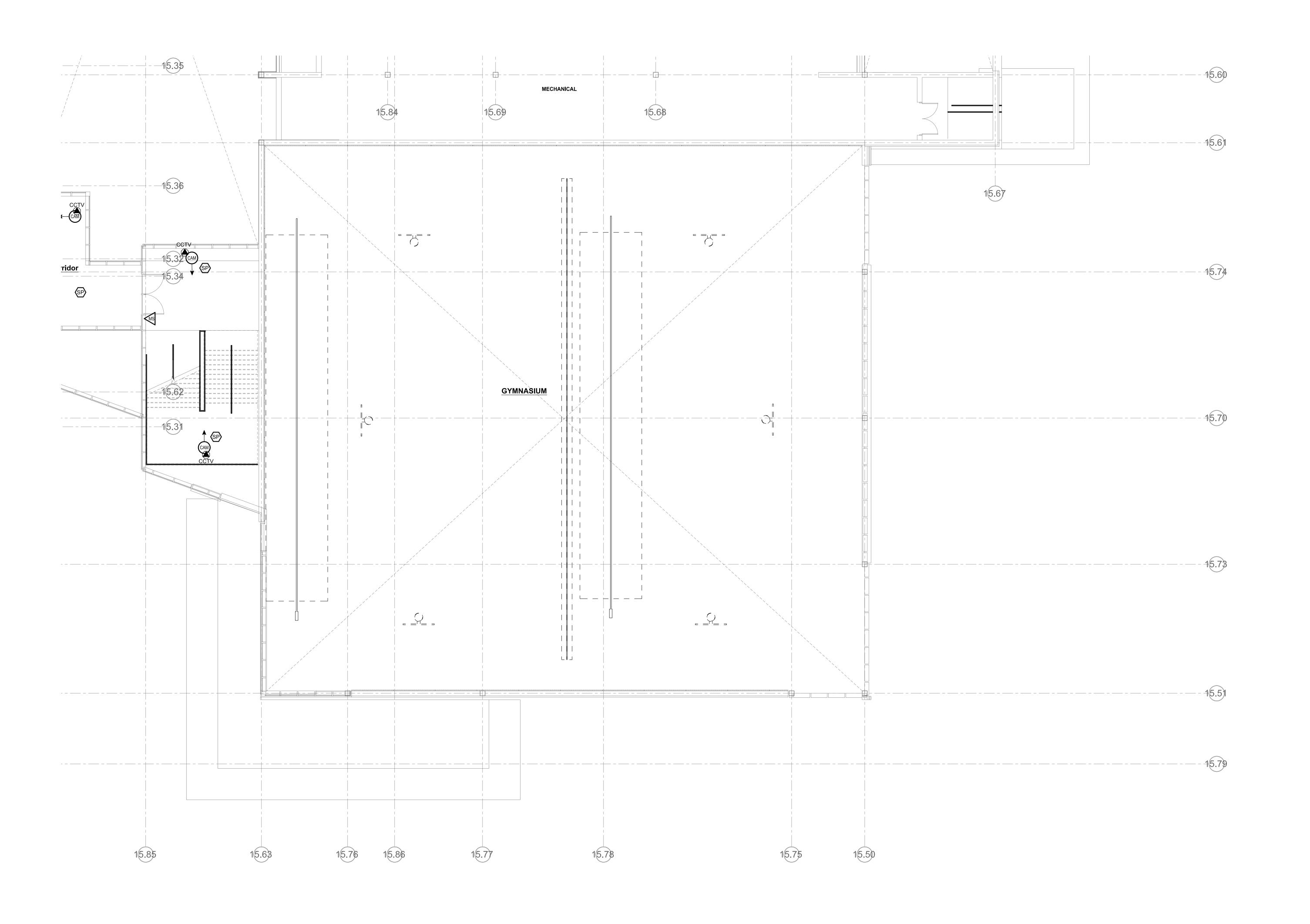




PROJECT NORTH MAGNETIC NO



THIRD FLOOR
PLAN - AREA C
TECHNOLOGY &
SECURITY





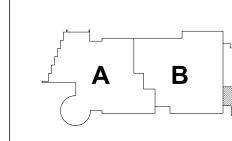
225 Oakland Road Studio 205 Studio 300 South Windsor, CT 06074 260 Charles Street Studio 300 Waltham, MA 02453

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL **HIGH SCHOOL**

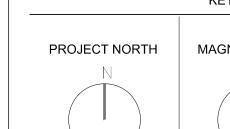
100 Hemlock Rd, Wakefield, MA 01880



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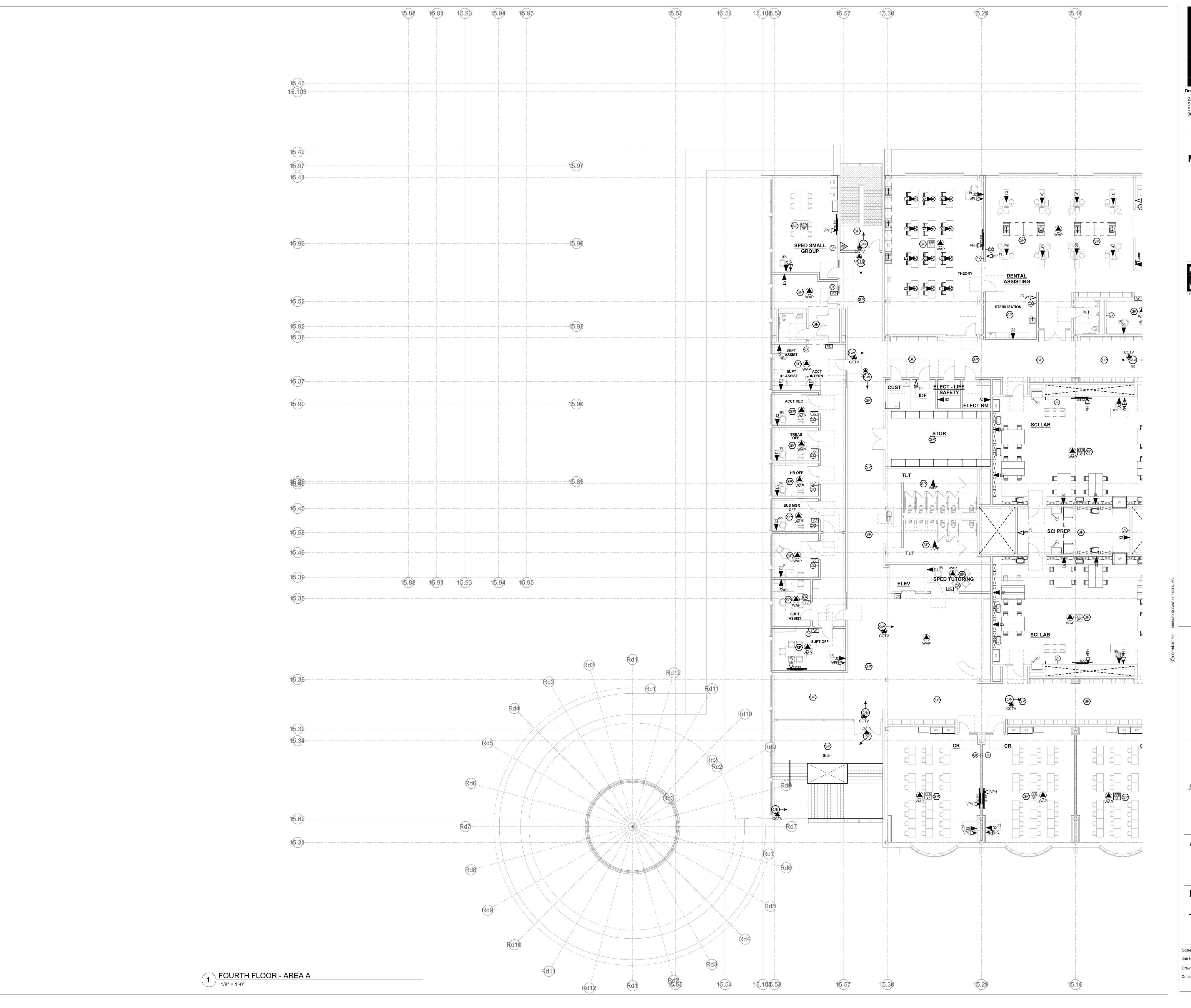






TECHNOLOGY & SECURITY

Scale: 1/8" = 1'-0" Job No.: 20202 T1-1-3D Date: JUNE 17, 2021

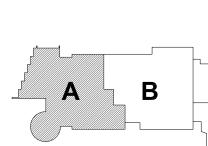




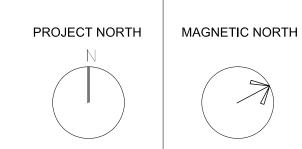
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL



MSBA SCHEMATIC DESIGN SUBMITTAL



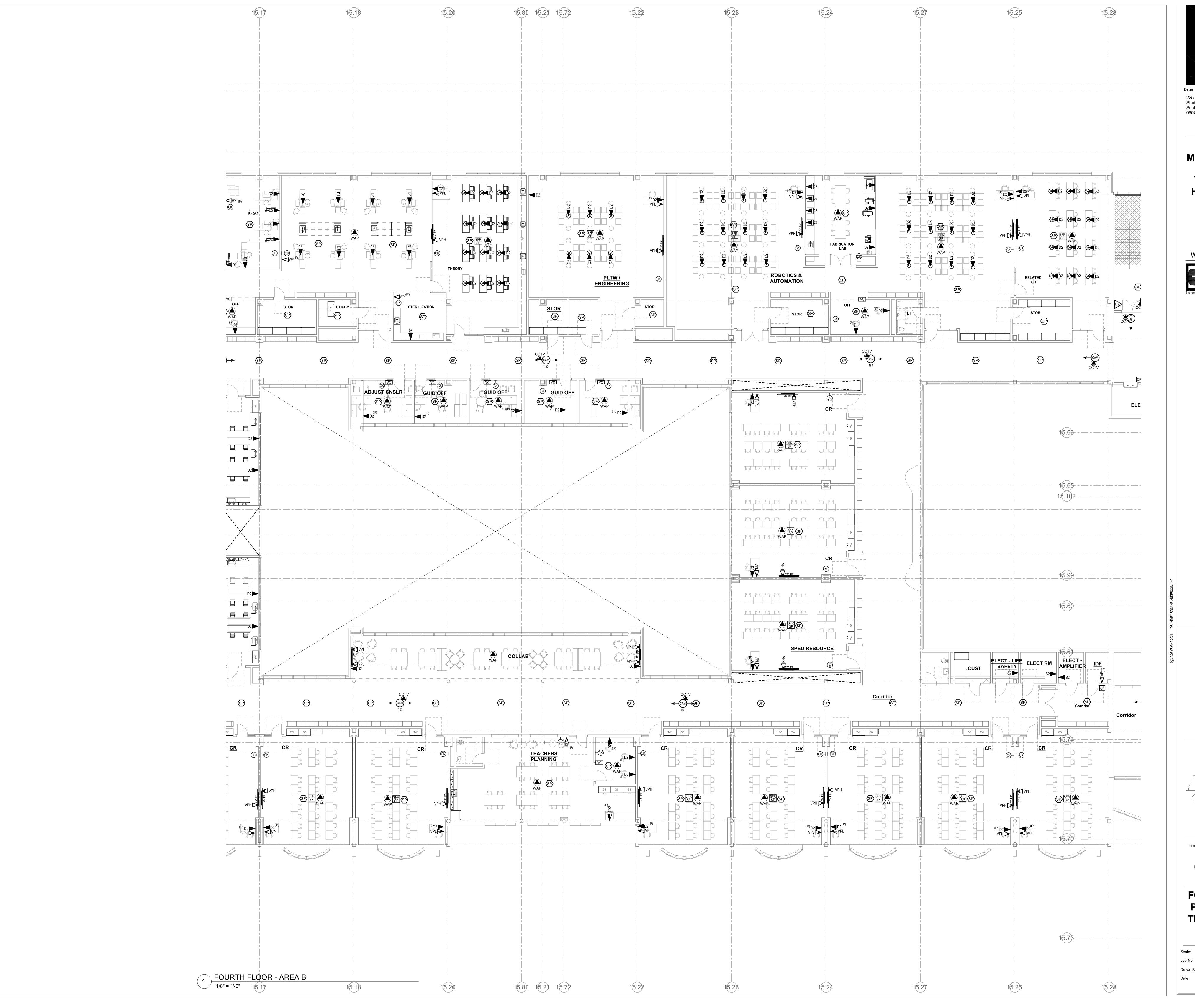
KEY PLAN



FOURTH FLOOR PLAN - AREA A **TECHNOLOGY & SECURITY**

Scale: 1/8" = 1'-0" Job No.: 20202

T1-1-4A Date: JUNE 17, 2021

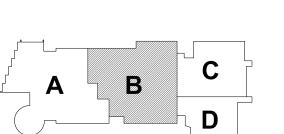




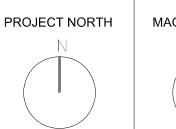
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL **HIGH SCHOOL**



MSBA SCHEMATIC DESIGN SUBMITTAL



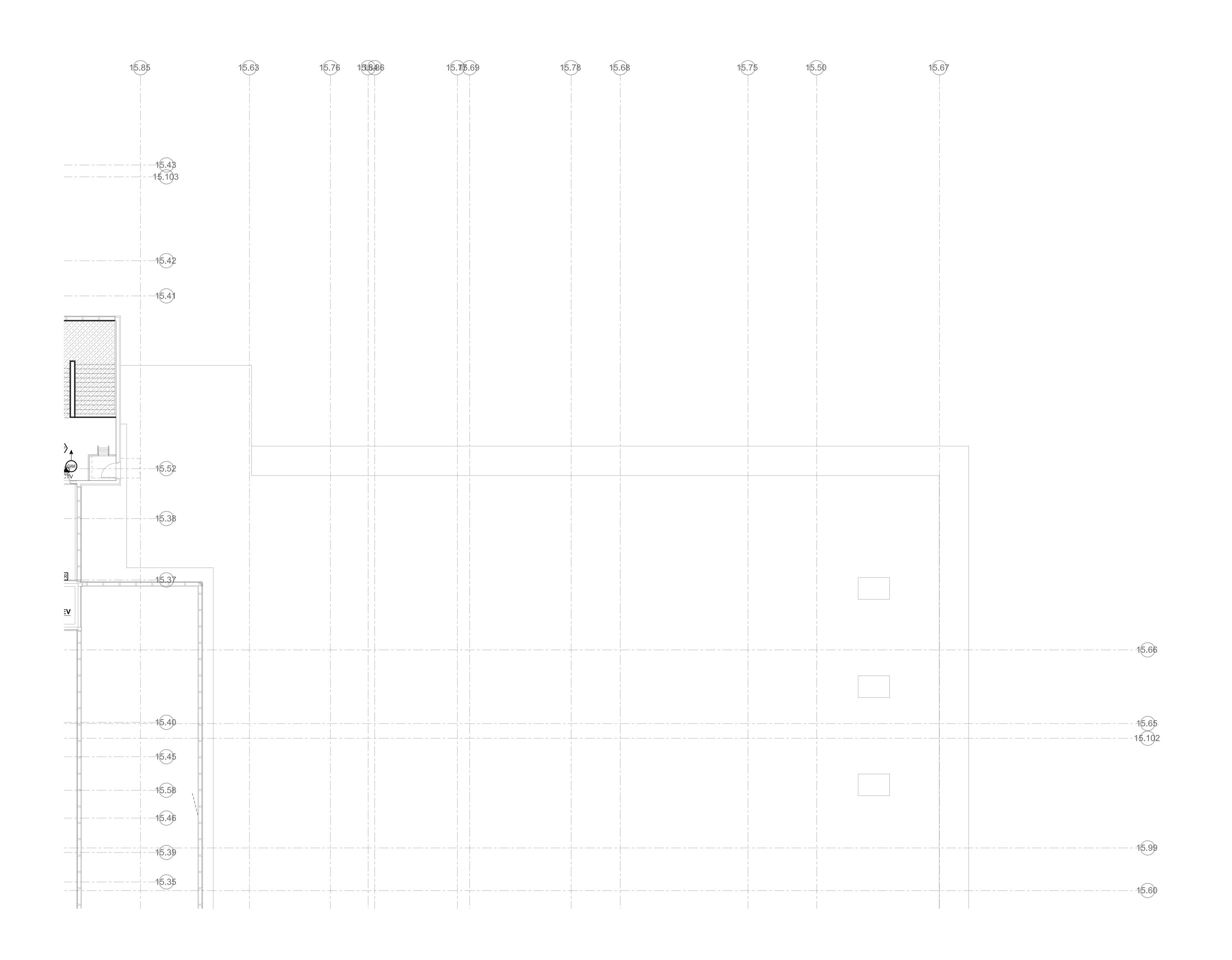
KEY PLAN PROJECT NORTH MAGNETIC NORTH



FOURTH FLOOR PLAN - AREA B **TECHNOLOGY & SECURITY**

Scale: 1/8" = 1'-0" Job No.: 20202

T1-1-4B Date: JUNE 17, 2021





Drummey Rosane Anderson, Inc. 225 Oakland Road Studio 205 Studio 300 South Windsor, CT 06074 260 Charles Street Studio 300 Waltham, MA 02453 Planning Architecture Interior

Tel: 017.964.1700

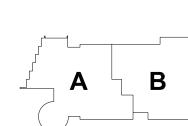
www.draws.com

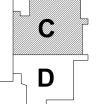
NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL

100 Hemlock Rd, Wakefield, MA 01880

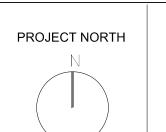


MSBA SCHEMATIC DESIGN SUBMITTAL





KEY PLAN

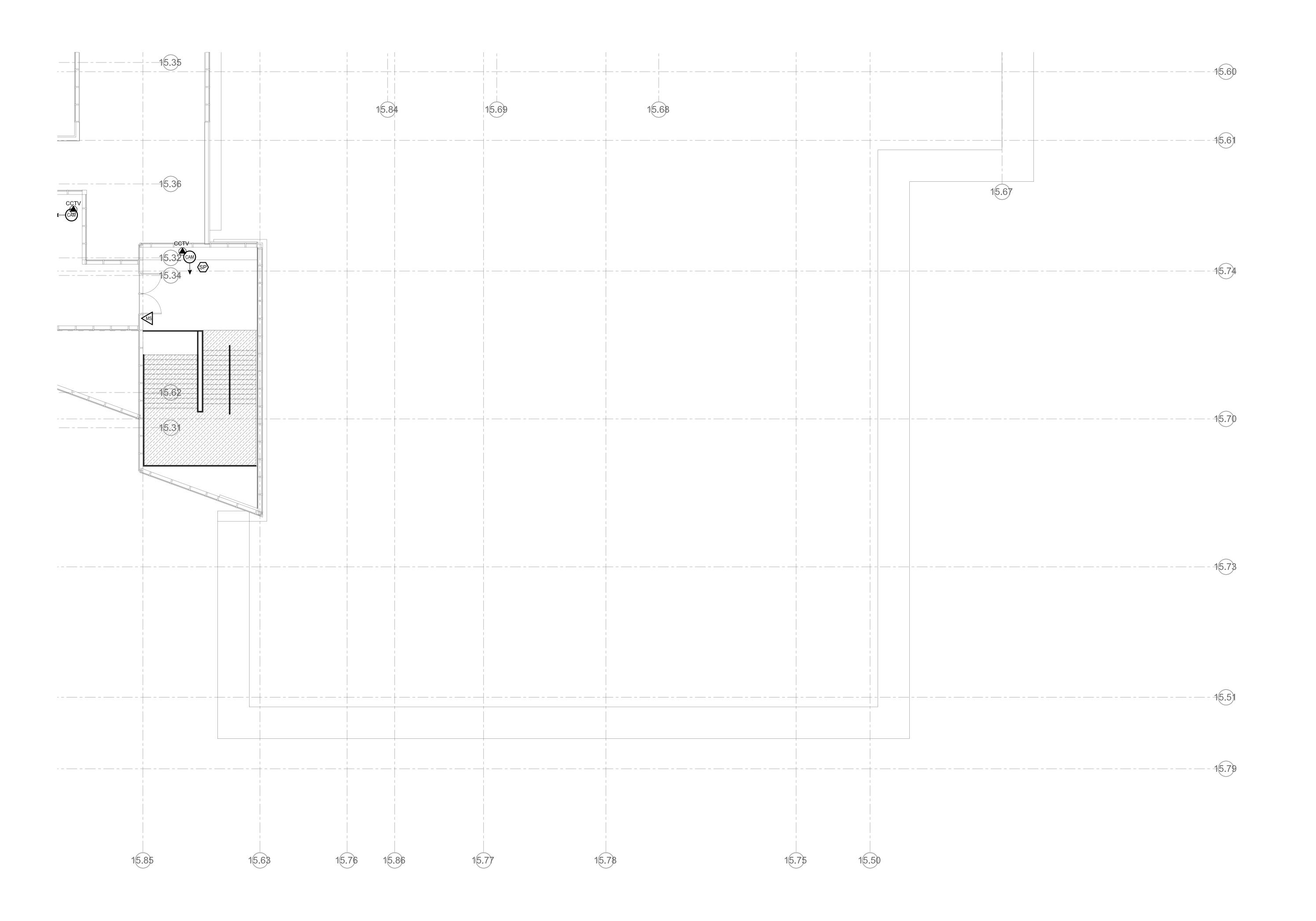


FOURTH FLOOR

PLAN - AREA C **TECHNOLOGY & SECURITY**

Scale: 1/8" = 1'-0" Job No.: 20202 Date: JUNE 17, 2021





Drummey Rosane Anderson, Inc.

225 Oakland Road Studio 205 Studio 300
South Windsor, CT Waltham, MA 06074 02453

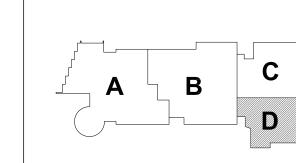
Planning Architecture Interior
Tel: Design 1700
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NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL

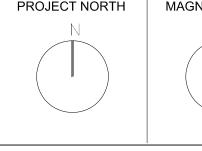
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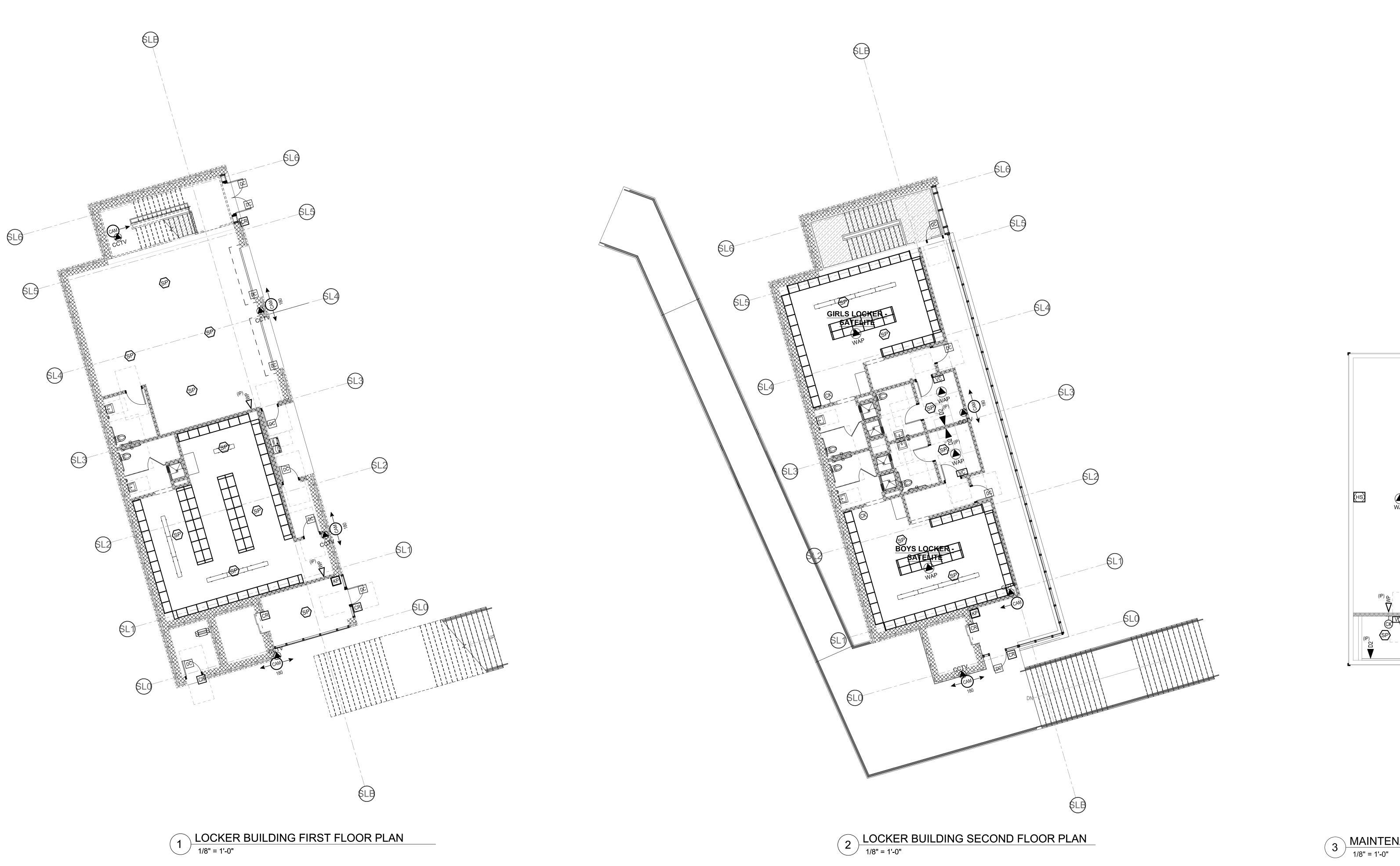
MSBA SCHEMATIC DESIGN SUBMITTAL

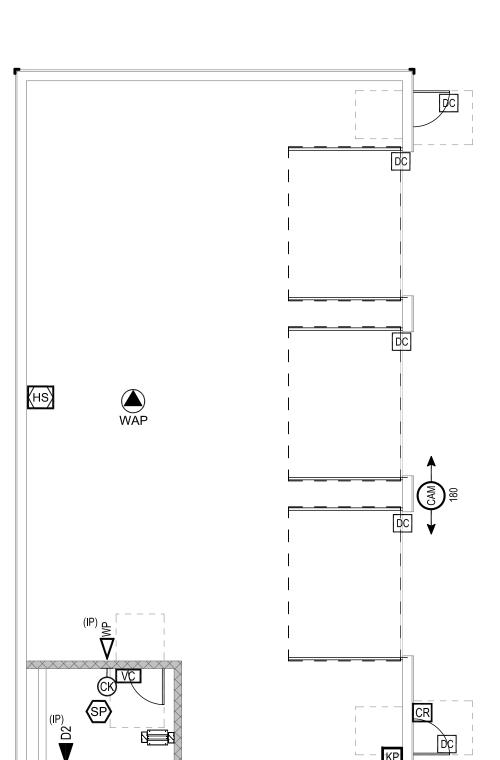


PROJECT NORTH MAGNETIC NORTH



FOURTH FLOOR
PLAN - AREA D
TECHNOLOGY &
SECURITY





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



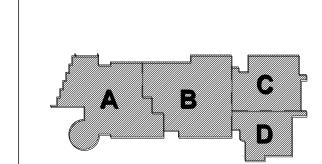
225 Oakland Road Studio 205 Studio 300 South Windsor, CT 06074 260 Charles Street Studio 300 Waltham, MA 02453

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL

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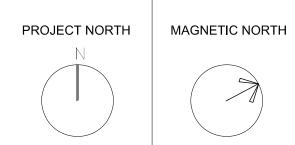


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KEY PLAN

PROJECT NORTH



OUTBUILDING **PLANS TECHNOLOGY & SECURITY**