

General Notes	
1.	Plumbing and electrical fixtures including nipples and locknuts required for mounting in or on the equipment shall be furnished by this Equipment Sub-Contractor. Such Fixtures shall be furnished unattached and unassembled to the Plumbing and Electrical Sub-Contractors. The Plumbing and Electrical Sub-Contractors shall install fixtures and provide all internal piping and wiring and final connections to equipment seervice fixtures, as part of the GC.
2.	Equipment Sub-Contractor shall furnish sinks, including overflow plugs, strainers and tailpieces required for mounting in the equipment. Sinks shall be installed in the cabinetwork by the Equipment Sub-Contractor. Fixtures shall be furnished unattached and unassembled to the Plumbing Sub-Contractor, and he shall install fixtures and provide, install, connect all service lines,traps,drainlines, vents and piping within the cabinetwork in service turrets or tunnels through, under, or along backs of work surfaces as part of the GC.
3.	All dimensions shall be verfied prior to fabrication. Adjust casework cabinets where required. Add fillers where nessessary. Top and bottom closure panels are required at all tall, wall and base fillers.
4.	Any item tagged with "MSA" is by owner and not under General contract

APPLIANCE SCHEDULE			
Rm No	Rm Name	Type Mark	Description
D109	EXAM	REF-2	
A404E	SUPT ASSIST	REF-2	
Cook-Top			
B104	ELECTRICAL TECHNOLOGY	CT-1	Cook-Top
B301G	MOCK APT	CT-1	Cook-Top
Dishwasher			
C106F	KITCHEN	DW-1	Dishwasher
B104	ELECTRICAL TECHNOLOGY	DW-1	Dishwasher
B301G	MOCK APT	DW-1	Dishwasher
B316	SCI PREP	DW-1	Dishwasher
A210	SCI PREP	DW-1	Dishwasher
A319	SCI PREP	DW-1	Dishwasher
A426	SCI PREP	DW-1	Dishwasher
Dryer			
B301F	STOR / LINEN	D-1	Dryer
B302K	STOR	D-1	Dryer
A402H	STOR	D-1	Dryer
C106F	KITCHEN	D-1	Dryer
A109	RECYCLING ROOM	D-1	Dryer
Exhaust Hood			
B104	ELECTRICAL TECHNOLOGY	EH-1	Exhaust Hood
B301G	MOCK APT	EH-1	Exhaust Hood
Fridge w/Ice Maker			
D119	TRAINER	REF-1A	Fridge w/Ice Maker
		REF-1A	Fridge w/Ice Maker
Ice Maker			
D120	PE STOR	IM-1	Ice Maker
Microwave			
C106F	KITCHEN	MW-1	Microwave
B301G	MOCK APT	MW-1	Microwave
C020	CUST WORKSHOP	MW-1	Microwave
Refrigerator			
A131	DUPLICATING	REF-1	Refrigerator
A111	STAFF LUNCH RM	REF-1	Refrigerator
C106F	KITCHEN	REF-1	Refrigerator
B301G	MOCK APT	REF-1	Refrigerator
A210	SCI PREP	REF-1	Refrigerator
B316	SCI PREP	REF-1	Refrigerator
C020	CUST WORKSHOP	REF-1	Refrigerator
A319	SCI PREP	REF-1	Refrigerator
A426	SCI PREP	REF-1	Refrigerator
Refrigerator, Handle Right			
B234	TEACHERS PLANNING	RF-2	Refrigerator, Handle Right
B328	TEACHERS PLANNING	RF-2	Refrigerator, Handle Right
B423	TEACHERS PLANNING	RF-2	Refrigerator, Handle Right
A414	SUPT OFF	RF-2	Refrigerator, Handle Right
Washer			
B301F	STOR / LINEN	W-1	Washer
B302K	STOR	W-1	Washer
A402H	STOR	W-1	Washer
C106F	KITCHEN	W-1	Washer
A109	RECYCLING ROOM	W-1	Washer



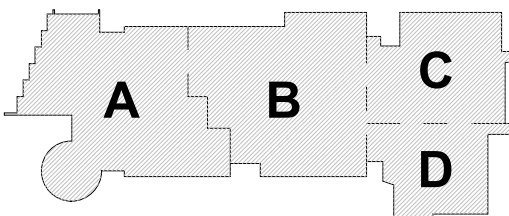
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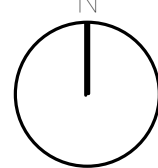
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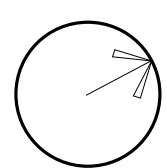


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Notes,
Schedules, And
Abbreviations

Scale: 3/4" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ0.00

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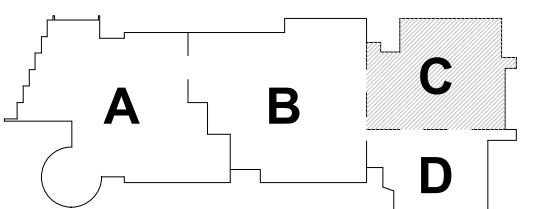
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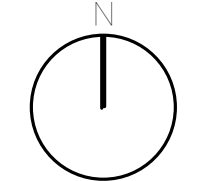
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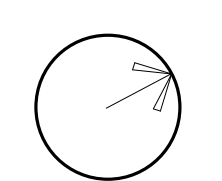


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
LOWER LEVEL
AREA C

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

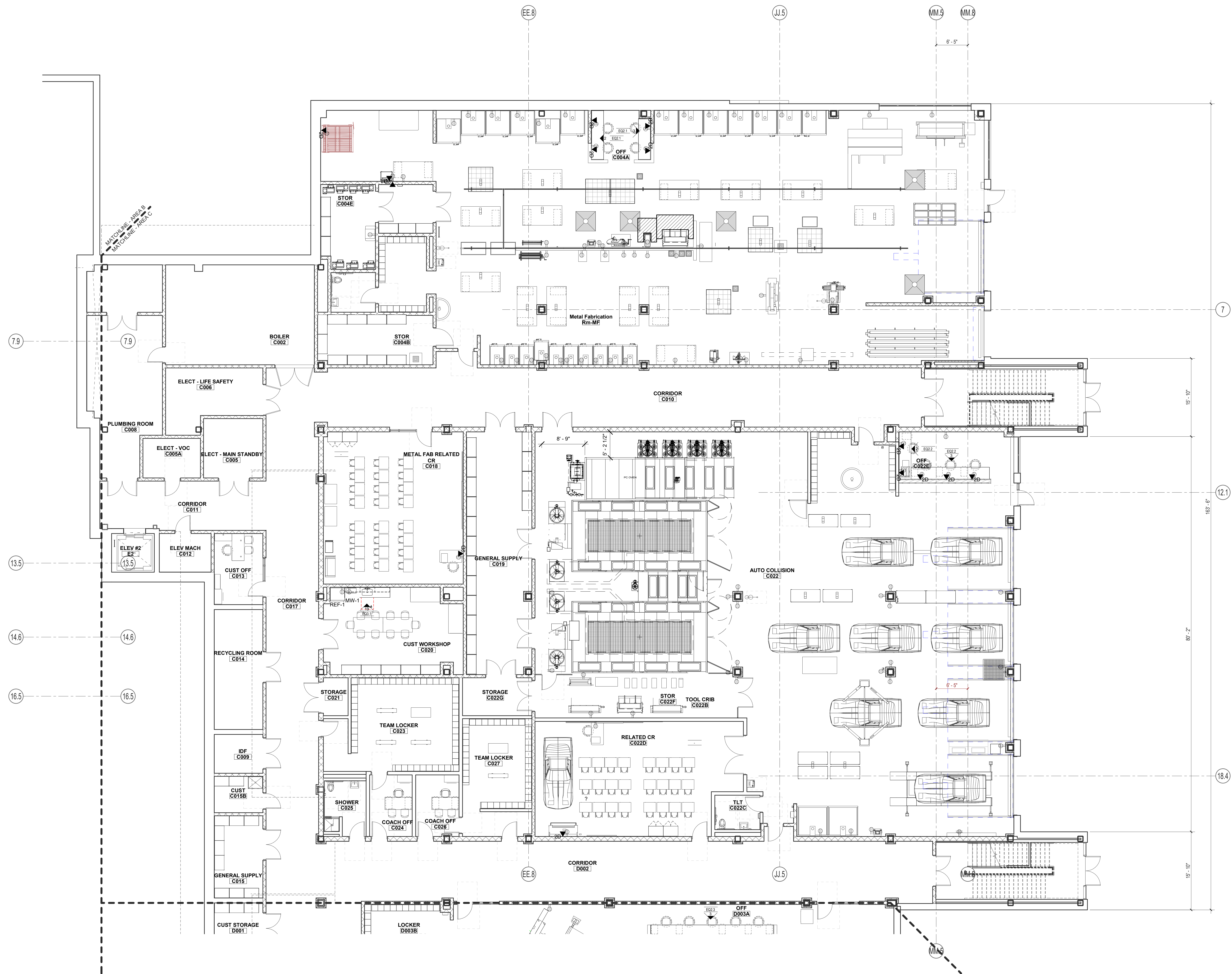
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EQ1.1 -
OC

1 Level 0 - Area C
1/8" = 1'-0"



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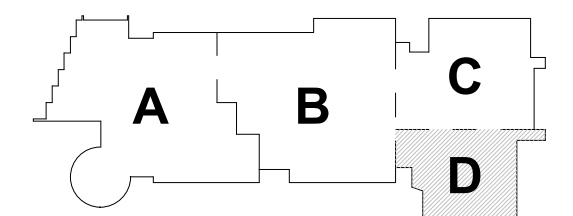
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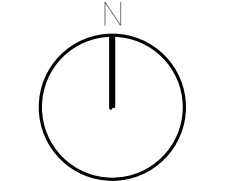
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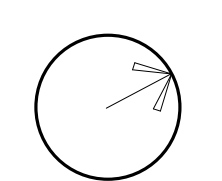


KEY PLAN

PROJECT NORTH



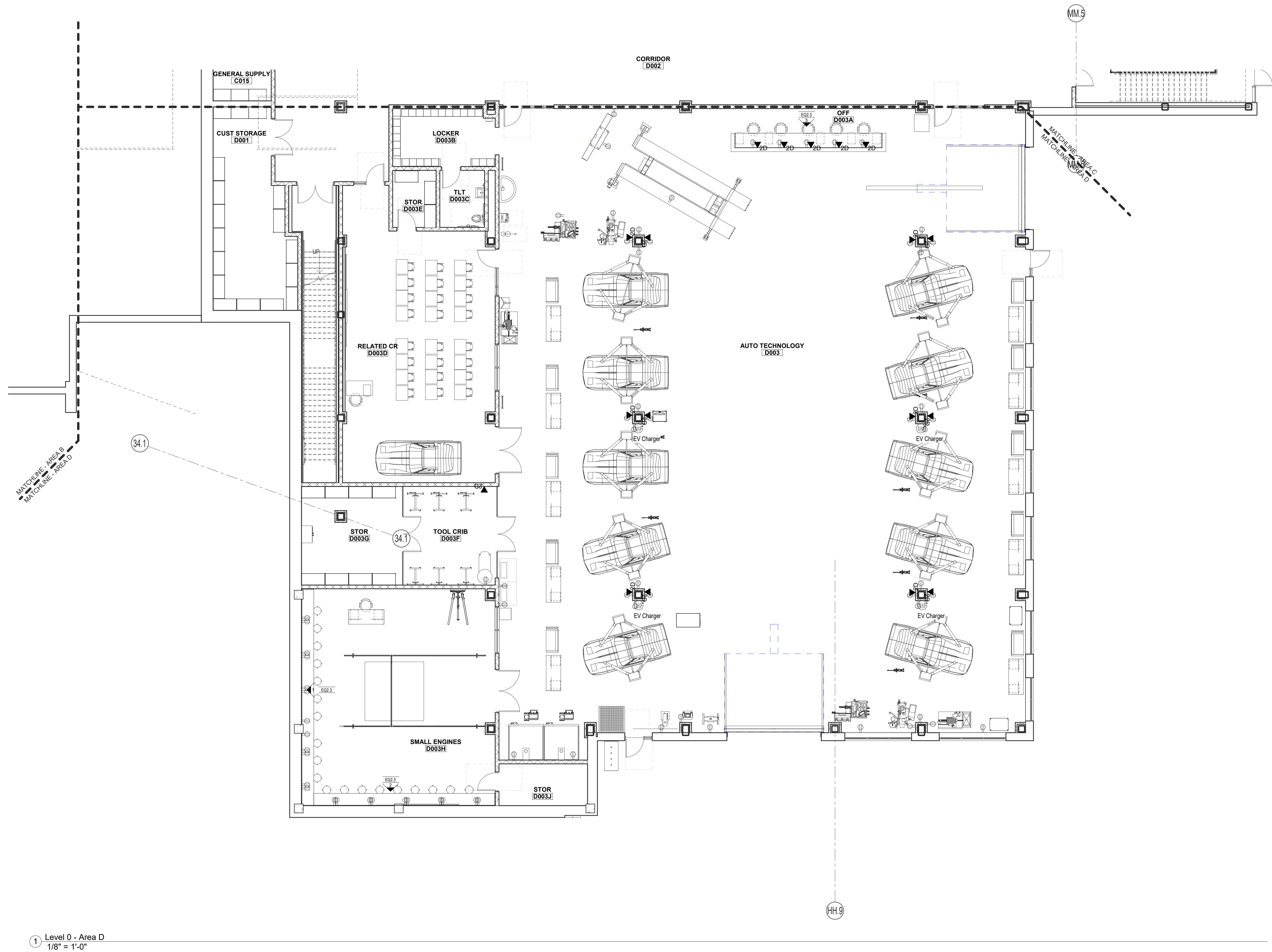
MAGNETIC NORTH



FF&E/CASEWORK
LOWER LEVEL
AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
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Date: MAY 12, 2023

EQ1.1 -
0D



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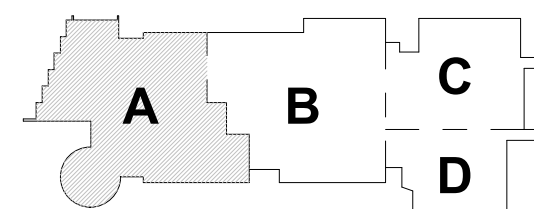
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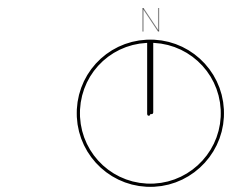
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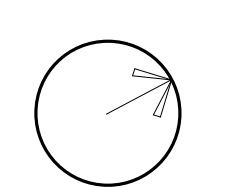


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



**FF&E/CASEWORK
FIRST FLOOR
AREA A**

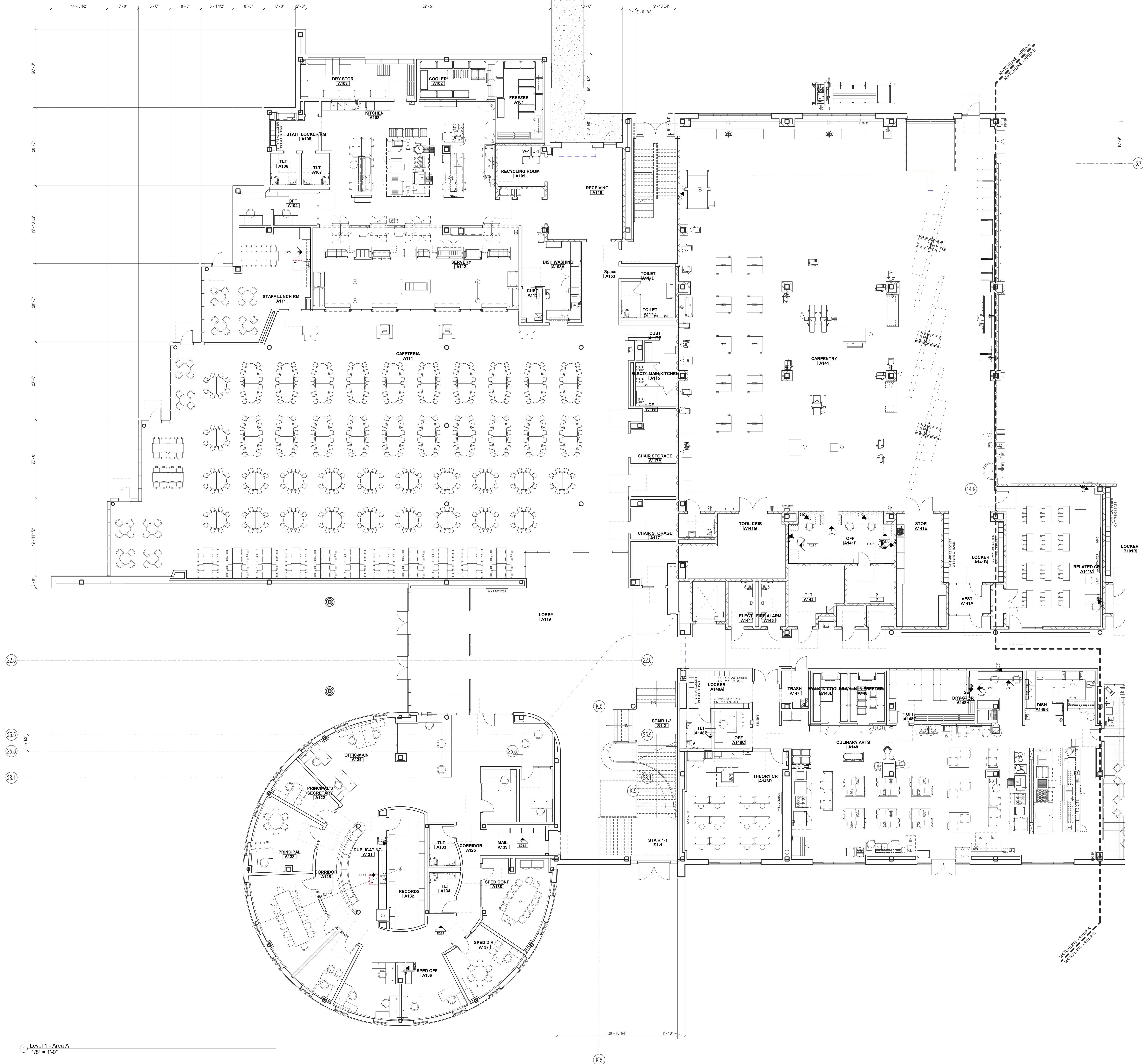
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EQ1.1-1A



1 Level 1 - Area A
1/8" = 1'-0"

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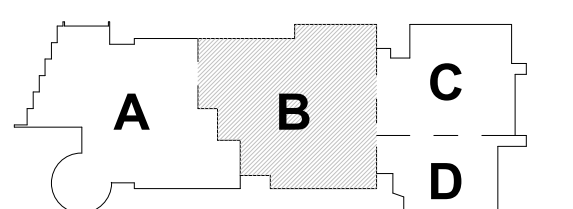
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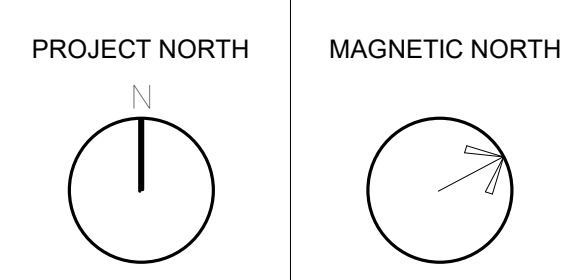
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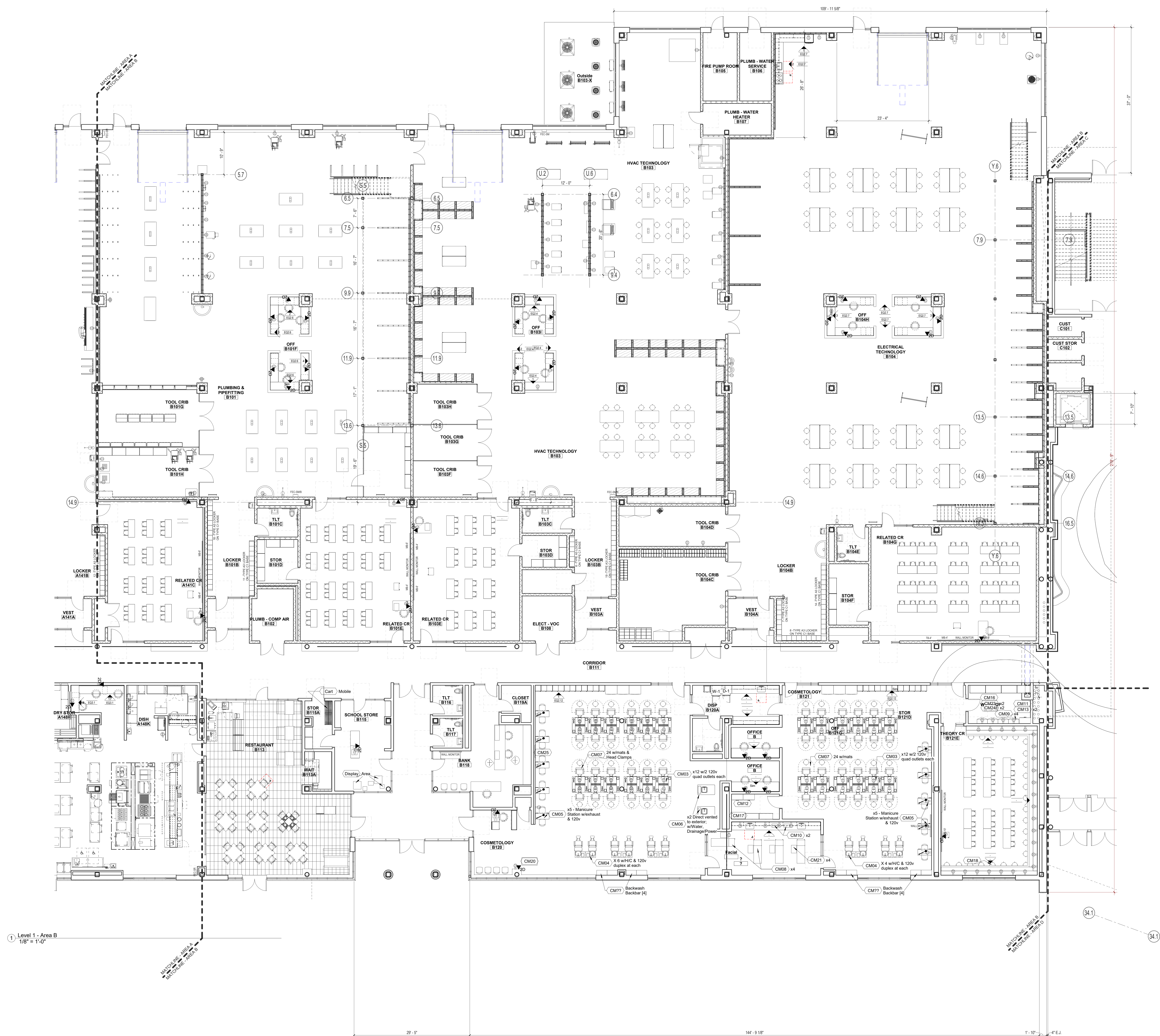
KEY PLAN



**FF&E/CASEWORK
FIRST FLOOR
AREA B**

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: MAY 12, 2023

EQ1.1-1E



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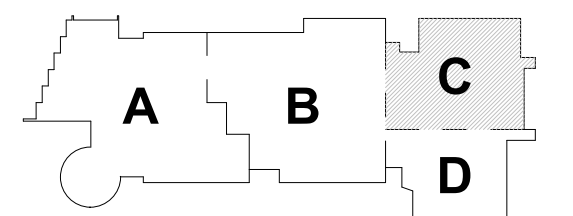
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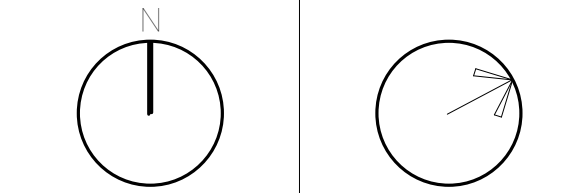
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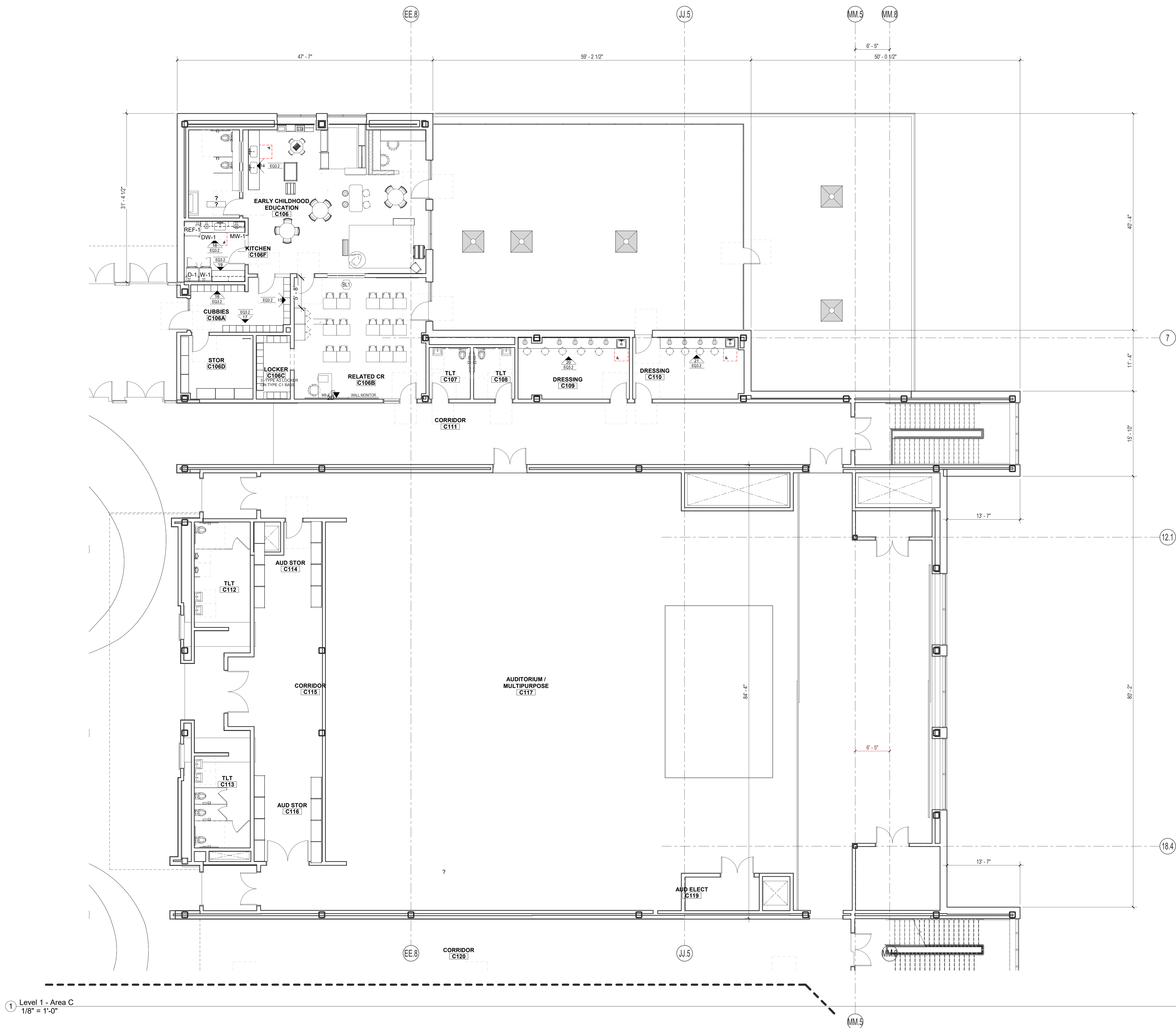
KEY PLAN

PROJECT NORTH
MAGNETIC NORTH



FF&E/CASEWORK
FIRST FLOOR
AREA C

Scale: 1/8" = 1'-0"
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EQ1.1-1C



1 Level 1 - Area C
1/8" = 1'-0"

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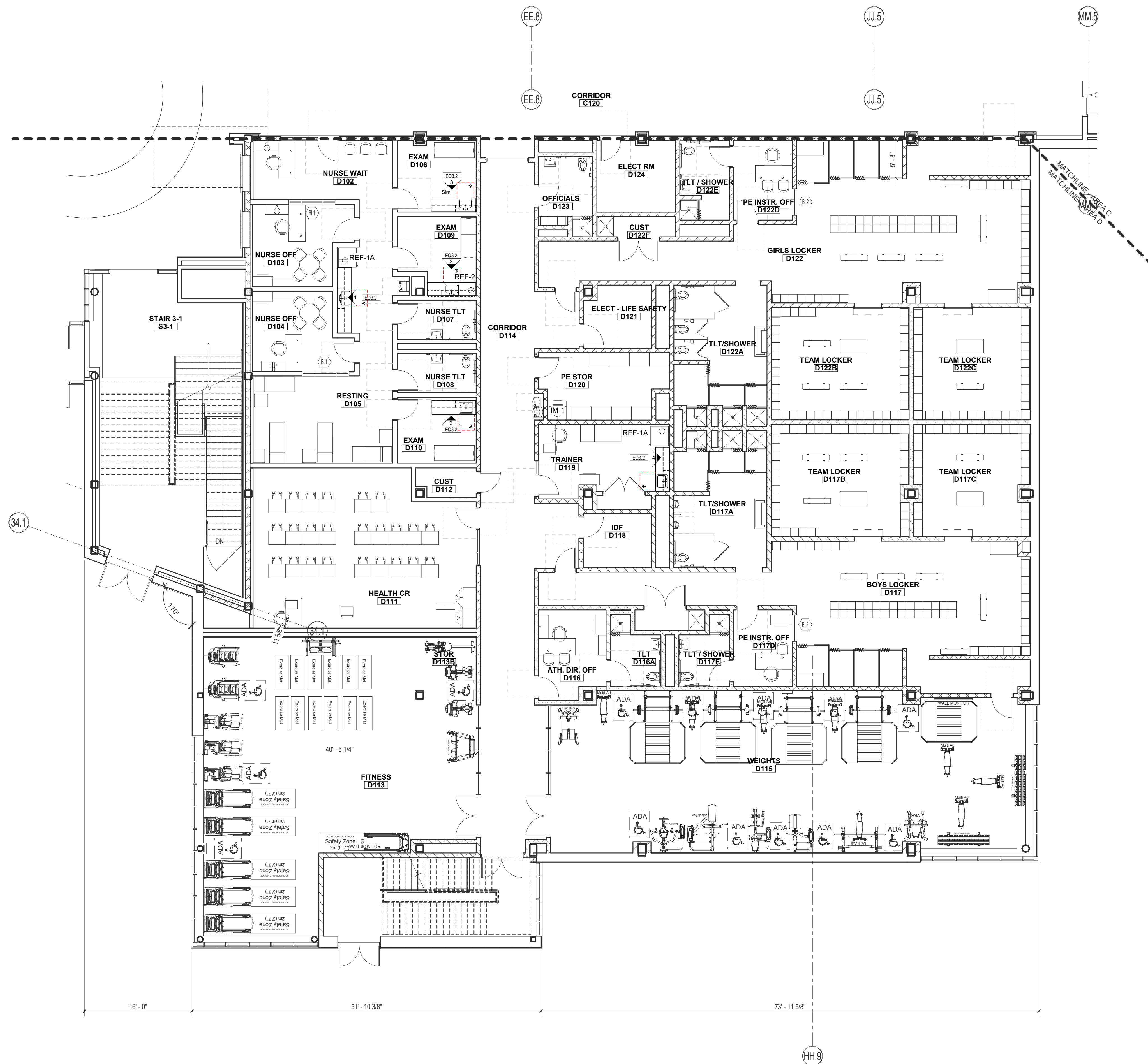
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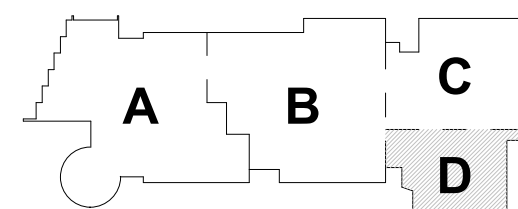


1 Level 1 - Area D
1/8" = 1'-0"

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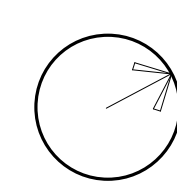
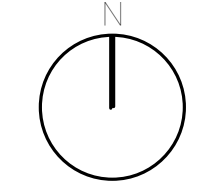
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



FF&E/CASEWORK
FIRST FLOOR
AREA D

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

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ1.1-D

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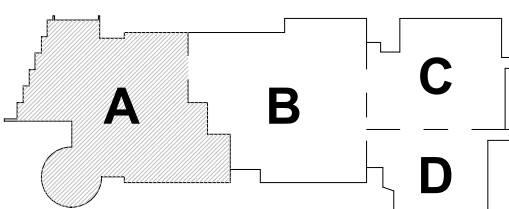
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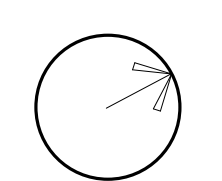
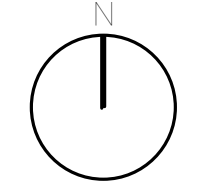
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



FF&E/CASEWORK
SECOND FLOOR
AREA A

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

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

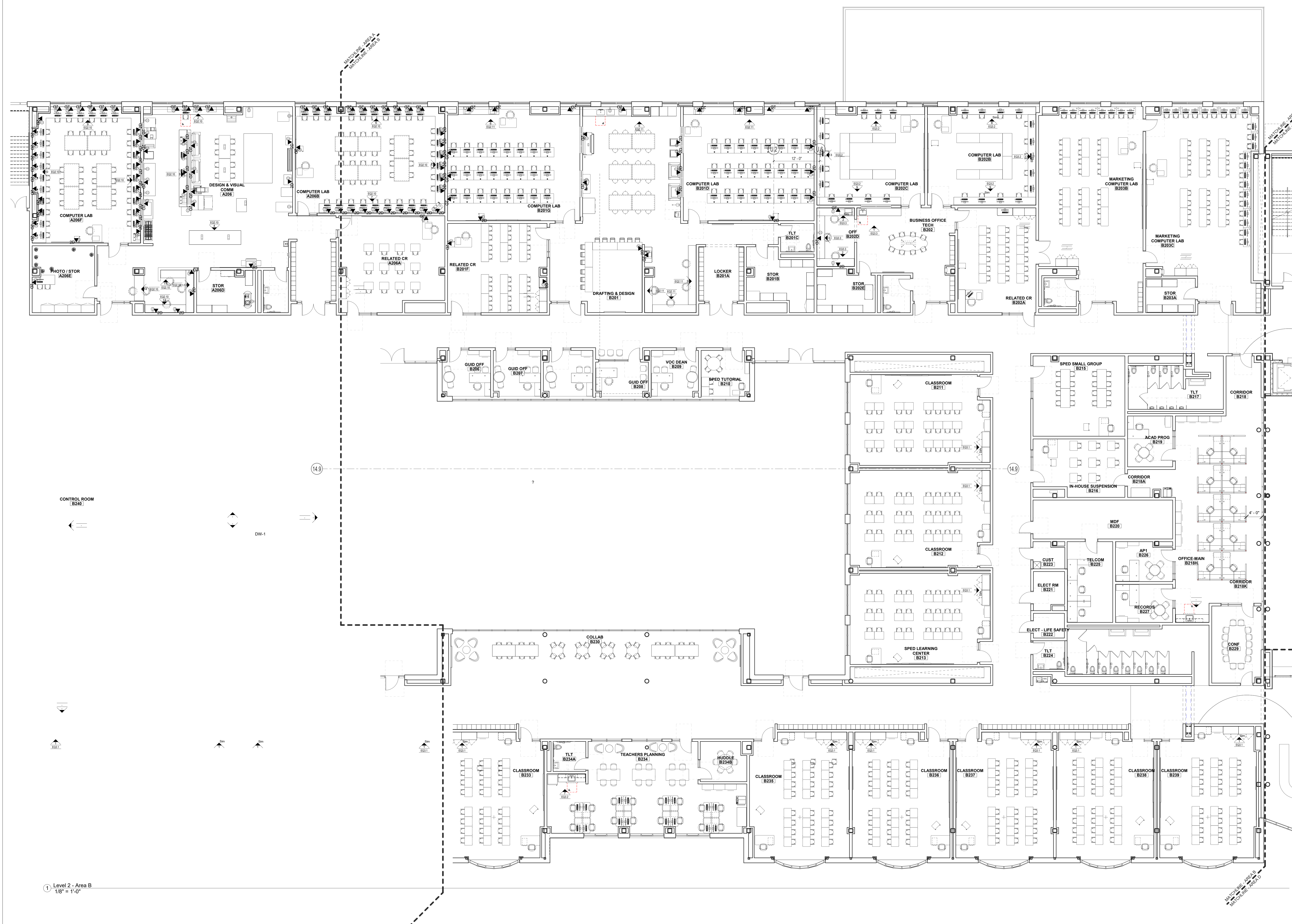
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1 Level 2 - Area A
1/8" = 1'-0"

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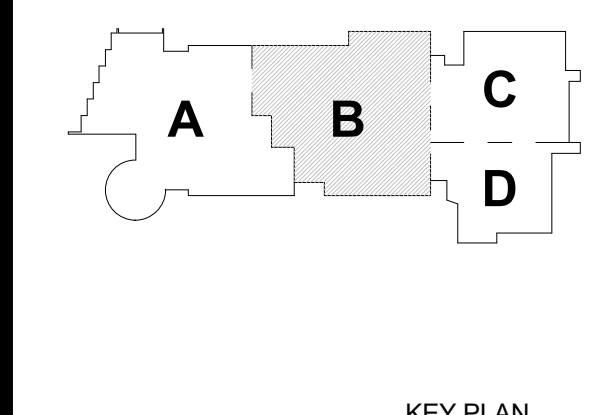
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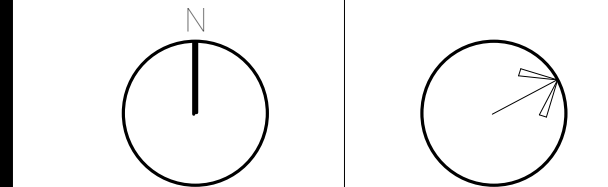
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PROJECT NORTH	MAGNETIC NORTH
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**FF&E/CASEWORK
SECOND FLOOR
AREA B**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

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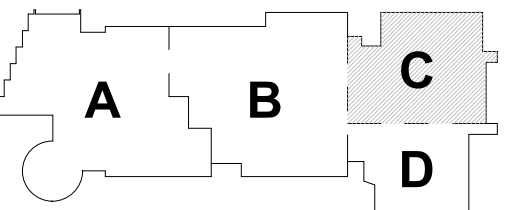
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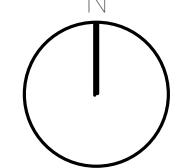
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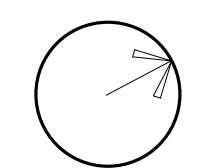


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
SECOND FLOOR
AREA C

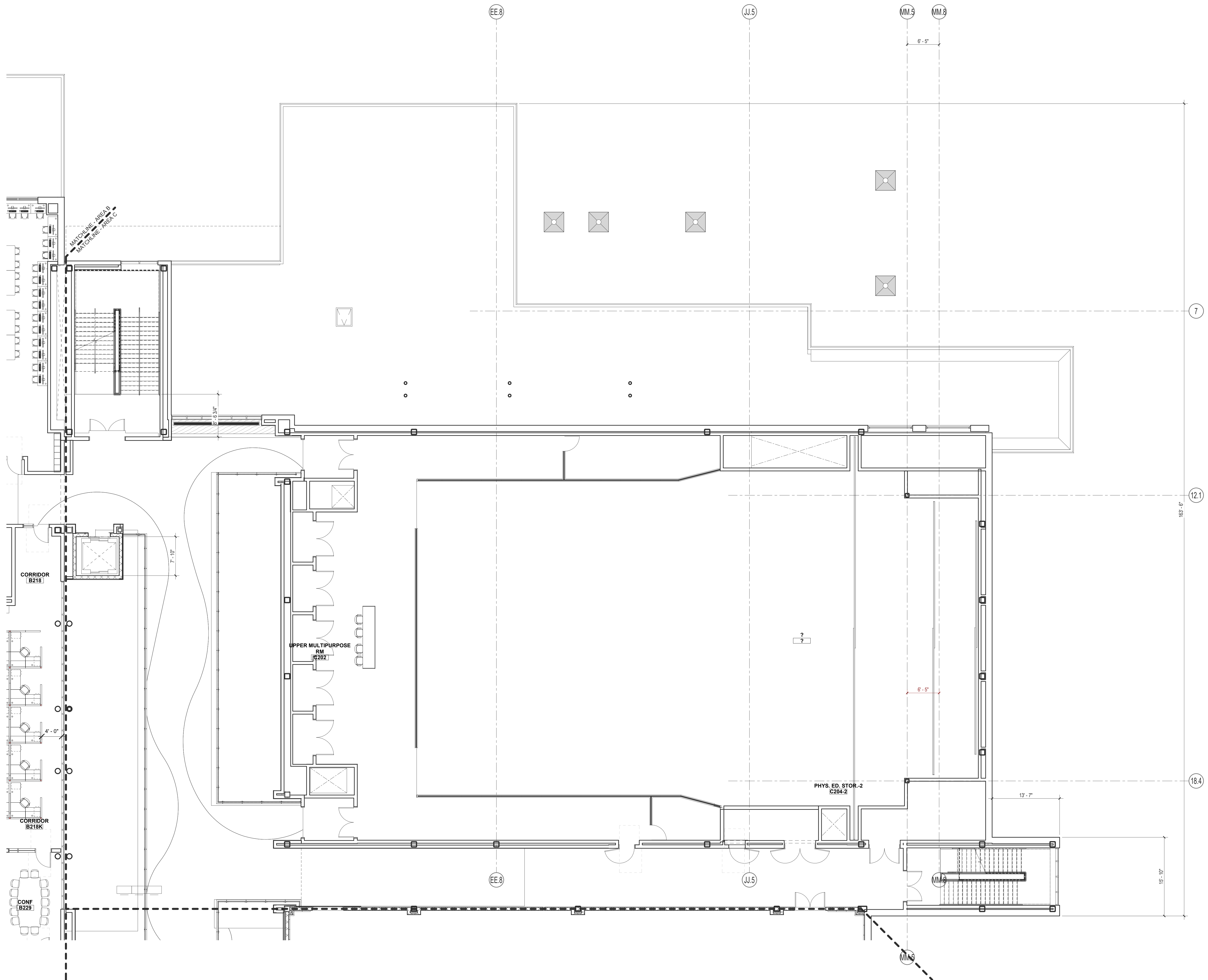
Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ1.1-2C



1 Level 2 - Area C
1/8" = 1'-0"

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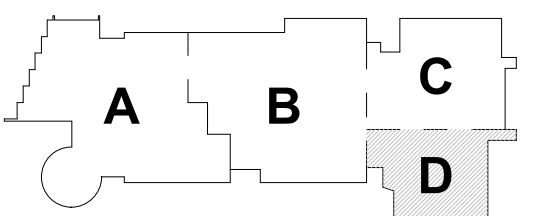
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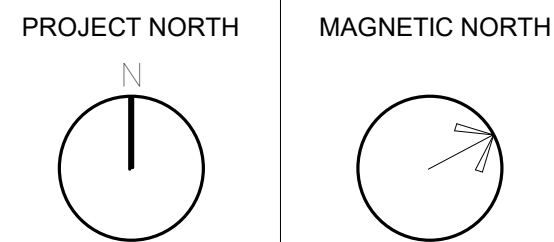
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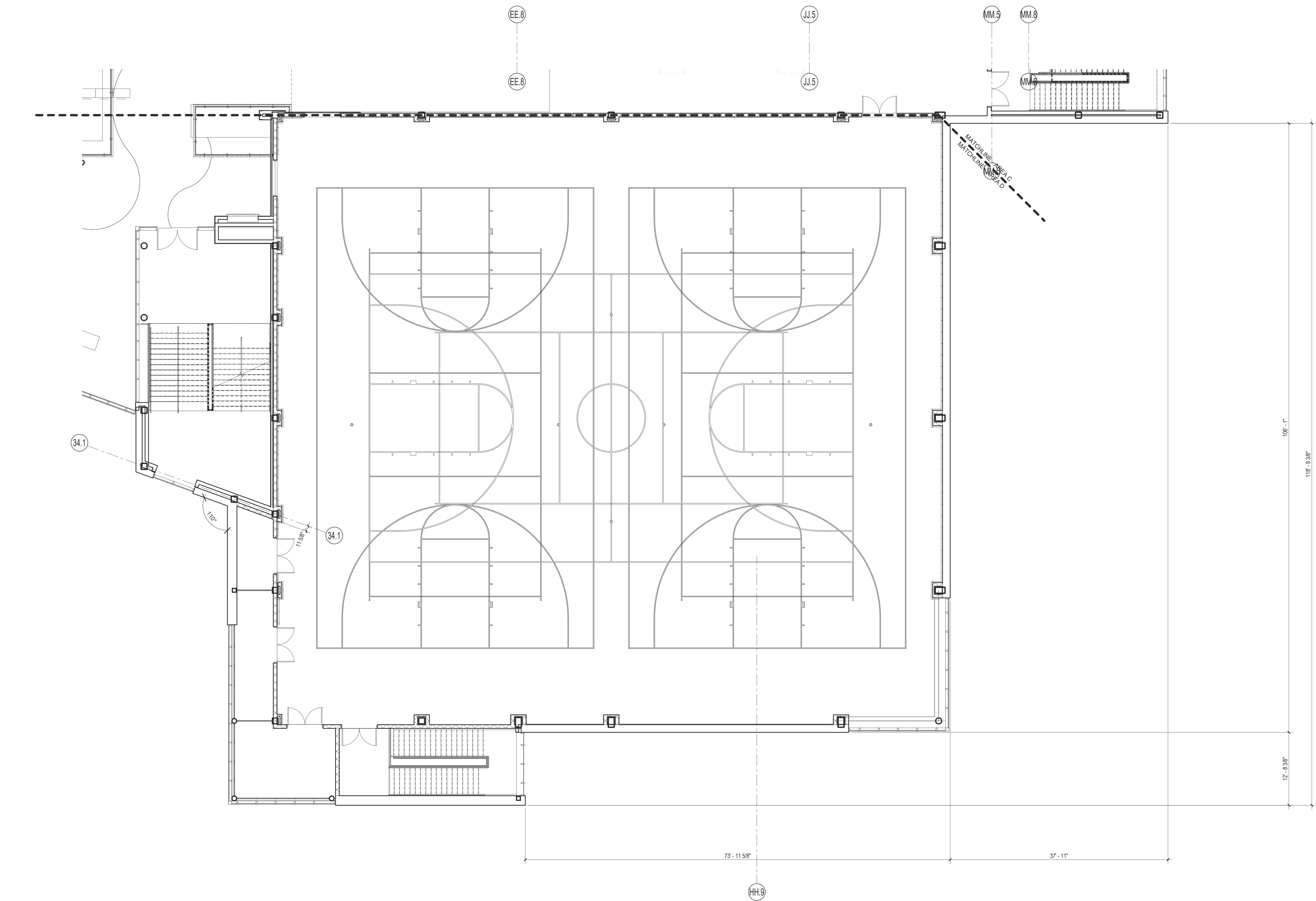
KEY PLAN



FF&E/CASEWORK
SECOND FLOOR
AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ1.1-2D



1 Level 2 - Area D
1/8" = 1'-0"

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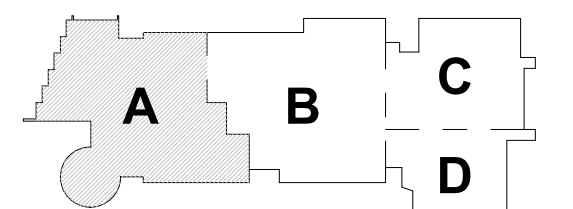
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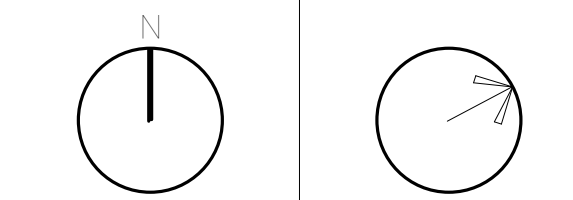
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**FF&E/CASEWORK
THIRD FLOOR
AREA A**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ1.1-3A

1 Level 3 - FFE - Area A
1/8" = 1'-0"

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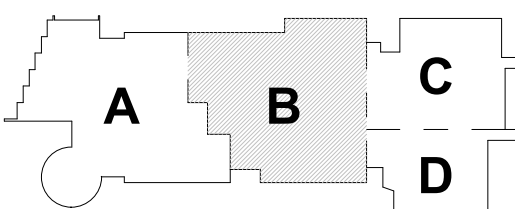
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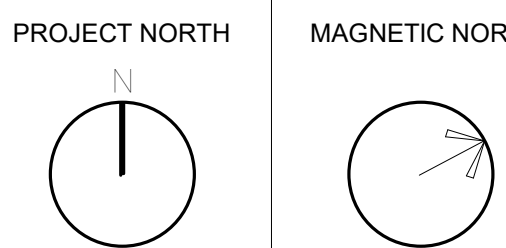
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KEY PLAN



**FF&E/CASEWORK
THIRD FLOOR
AREA B**

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

Job No.: 20202

Drawn By: DB

Date: MAY 12 2023

EQ1.1-3B

DRA

Drumhey Rosane Anderson, Inc.
225 Oakland Road
Studio 205
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06074
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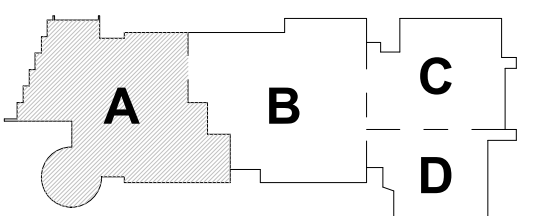
Northeast
Metropolitan
Regional
Vocational High School

Wakefield, MA 01880

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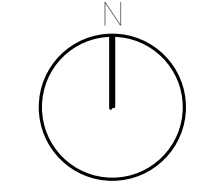
90% MSBA CD
SET

MAY 12, 2023

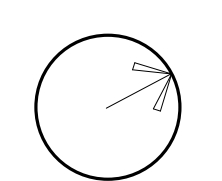


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
FOURTH FLOOR
AREA A

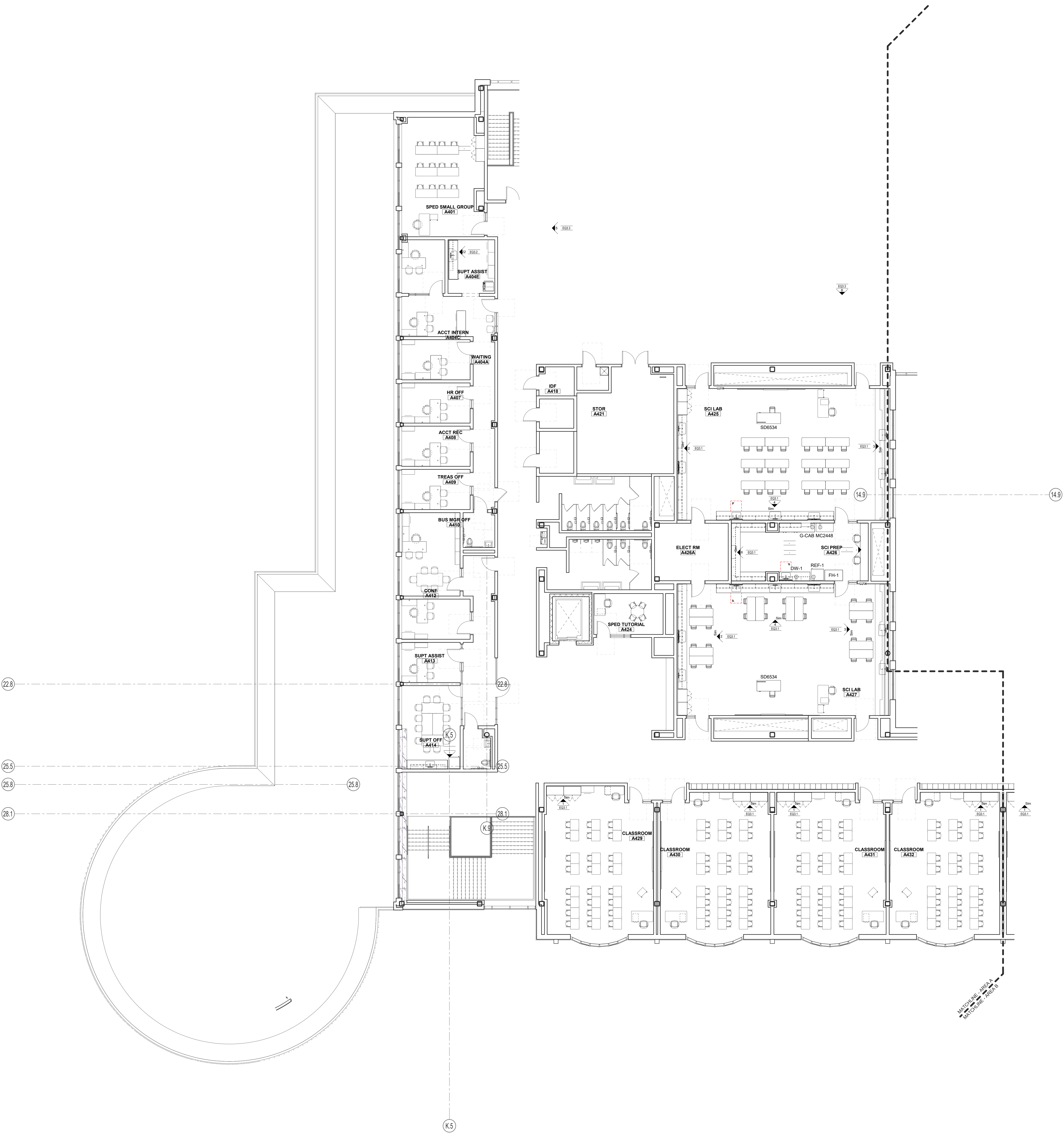
Scale: 1/8" = 1'-0"

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ1.1-4A



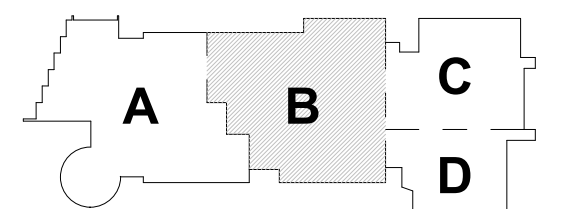
1 Level 4 - Area A
1/8" = 1'-0"

Northeast
Metropolitan
Regional
Vocational High School

Wakefield, MA 01880

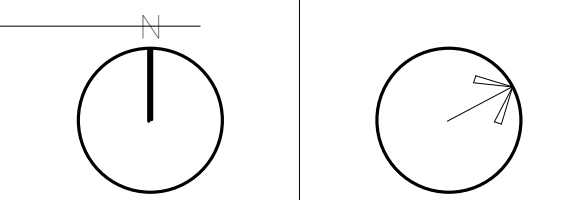
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SET

MAY 12, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

FF&E/CASEWORK
FOURTH FLOOR
AREA B

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

Job No.: 20202

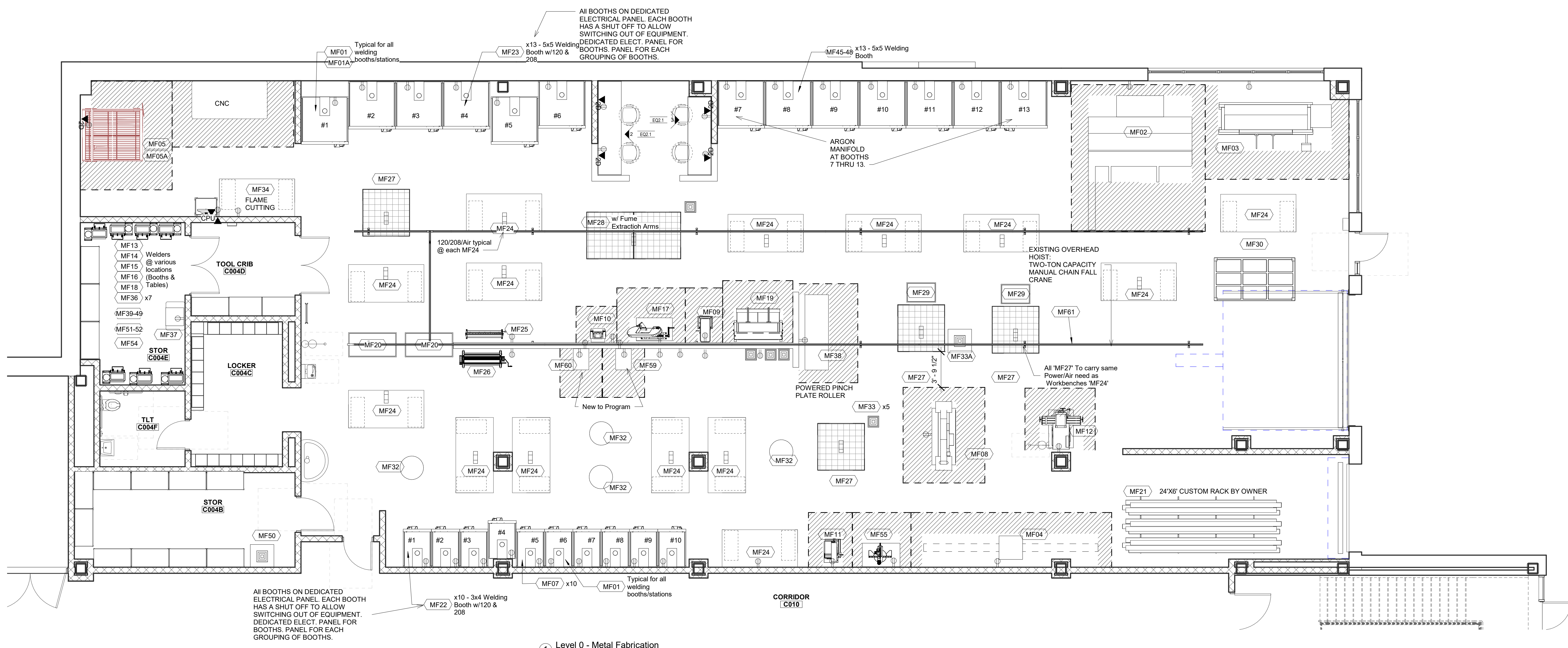
Drawn By: DRA

Date: MAY 12, 2023

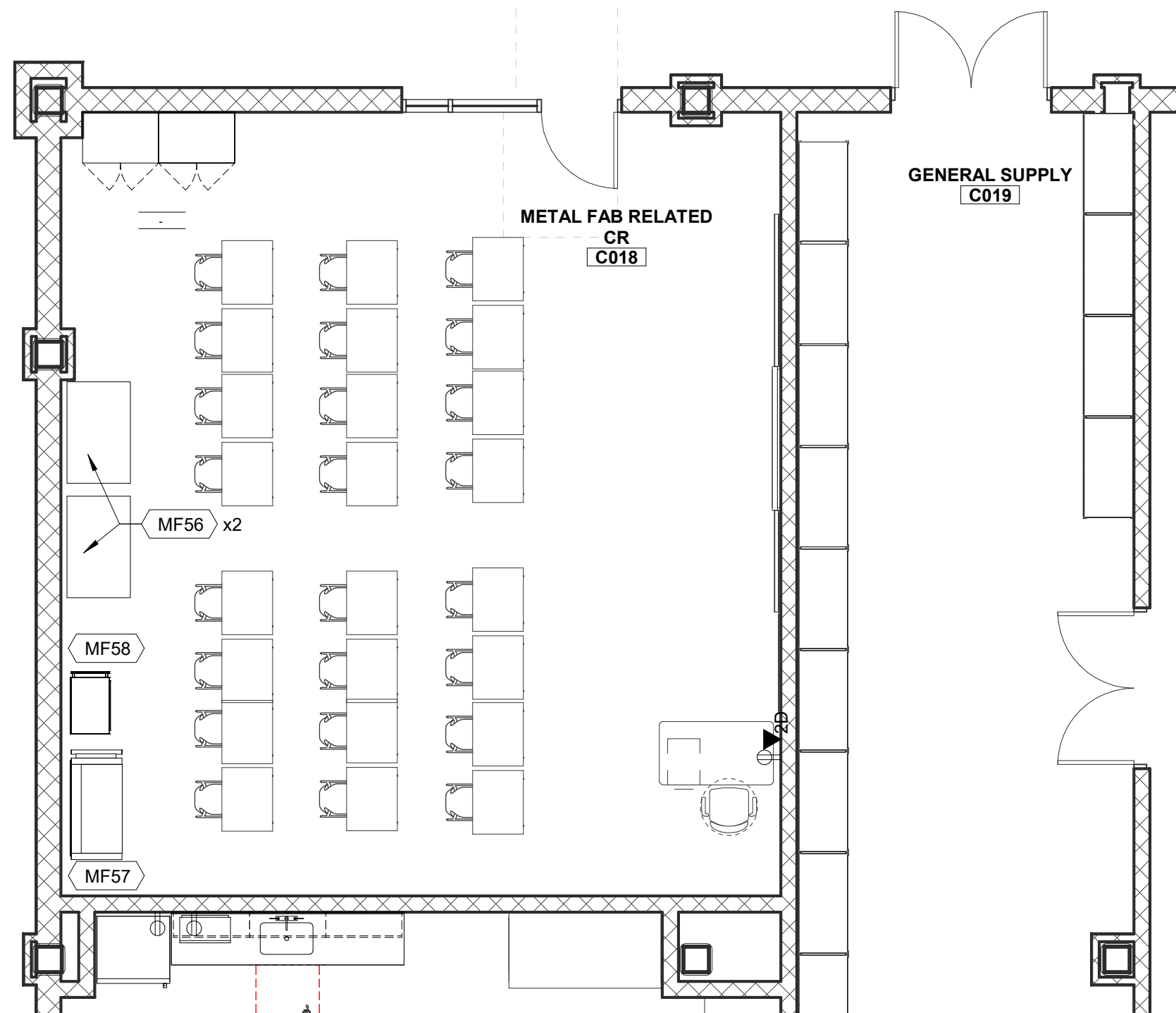
EQ1.1-4B

STEM - SCHEDULE																
ITEM	QTY	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIG HT	AxP	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
ST01	1		X	Laser Cutter - Epilog	EPILOG FUSION EDGE 36	-	-	12	-	110-240	1	X	-	X	REQ. EXHAUST 360 CFM - 4"...	EXISTING
ST02	1		X	Laser Cutter - Universal	VL52.3DT	-	-	10/5	-	110/220-...	1	X	-	X	3" 150 CFM @ 6" static...	EXISTING
ST03	1		X	Water Jet Cutter	OMAX PROTOMAX	-	-	30	-	230-240	1	-	-	45-85psi	X	Tank or Drain
ST04	1		X	3D Printer	STRATSYS F170	-	-	14.9	-	100-220	1	-	-	-	X	NEW
ST05	2		X	3D Printer	MARKFORGED MARK 2	-	-	-	-	100-240	1	-	-	-	X	EXISTING
ST06	2		X	3D Printer	Ultimaker 3	-	-	-	-	100-240	1	-	-	-	X	EXISTING
ST07	1		X	Band Saw	Delta	-	-	9-4.5	1	120-240	1	-	-	-	-	EXISTING
ST08	1		X	Drill Press	Intertek	-	-	15.0	-	120	1	-	-	-	-	EXISTING
ST09	1		X	Scroll Saw	Dewalt	-	-	18	-	120	1	-	-	-	-	EXISTING
ST10	2		X	Belt/Disc Sander	Rikon	-	-	2	1.0	120	1	-	-	-	-	EXISTING
ST11	1		X	Grinder on Pedestal	DEWALT DW758 / JET WIL577172	-	-	-	3/4	115	1	-	-	-	-	NEW - CONFIRM
ST12	1		X	Mini Table Saw	DEWALT DWE7485	-	-	18	-	120	1	-	-	-	-	EXISTING
ST13	1		X	Sliding Compound Mitre Saw	Genesis	-	-	15	-	120	1	-	-	-	-	EXISTING
ST14	1		X	CNC Milling Machine	BANTAM	-	-	60	-	115	1	-	-	-	X	EXISTING
ST15	1		X	Mini CNC Machine	TORMACH XSTECH	-	-	3	-	115	1	-	-	-	X	EXISTING
ST20	1		X	ShopVac w/HEPA Filter	DEWALT	-	-	15	-	115	1	-	-	-	155 CFM	NEW

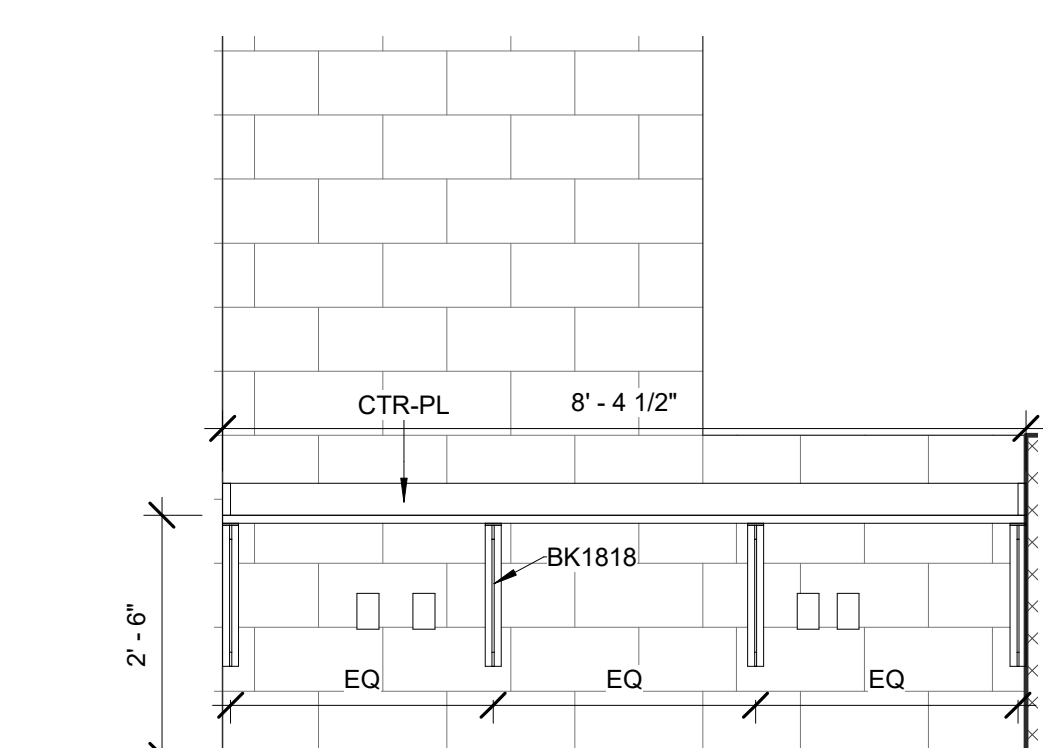
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1 Level 0 - Metal Fabrication
3/16" = 1'-0"



2 Metal Fab - Staff Office - West
1/2" = 1'-0"



3 Metal Fab - Staff Office - East
1/2" = 1'-0"

METAL FABRICATION - SCHEDULE																		
ITEM	QTY	Furnish and install by CMR	Furnish by owner, install by CMR	Furnish and install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES	
MF01	23		X		Exhaust Collection Arms	GFA-500-84-NP	84"	-	-	-	-	-	-	-	-	800 CFM Recommended	BALA CONFIRM WHICH OPTION	
MF01A	23		X		Exhaust Collection Arms w/Fan	GFA-500-84-1300PWR	84"	-	-	-	208/230/460	3	765 CFM	-	-	Motor starter & on/off not included	BALA CONFIRM WHICH OPTION	
MF02	1		X		Hydraulic Squaring Shear	Accushear 625010 -MOTOR 1	-	-	-	3.6-3.4/1.7	208-230/460	3	-	-	-	Motor 1	EXISTING	
MF02A	1		X		Hydraulic Squaring Shear	MOTOR 2	-	-	52/26	20	230/460	3	-	-	-	Motor 2	EXISTING	
MF03	1		X		CNC Hydraulic Press Brake	Accupress	-	-	53	20	208	3	-	-	-	X	-	EXISTING
MF04	1			X	Cold Saw	Scotchman CPO 275 ss	-	-	10	3/2.5	230	3	X	-	-	-	240 1.5-10HP 3-10A Safety Switch	EXISTING
MF05	1			X	Plasma Cutter	Hypertherm 65	-	-	-	52-22 or 32-13	200-480	1 or 3	-	-	-	-	-	EXISTING
MF05A	1		X		PLASMA TABLE	Koike Shop pro SP44	-	-	-	115	1	1	-	-	-	X	-	EXISTING Water Table
MF07	12		X		Welder (ARC)	MILLER Maxstar 200	-	-	18/28	-	200/115	1 or 3	-	-	-	-	FOR USE WITH MF22	EXISTING
MF08	1		X		Ironworker	Geka 55A	-	-	50/25	7.5	208-250/440...	3	-	-	-	-	-	EXISTING
MF09	1			X	Drill Press	Clausing 20 Drill Press	-	-	-	1.5	208-480	3	-	-	-	-	-	EXISTING
MF10	1			X	Bench Grinder	Dewalt DW758	-	-	-	-	120	1	-	-	-	-	-	NEW
MF11	1			X	Band Saw	Metal Mizer 2018	36x66	-	5.5/2.75	2	230-460	3	X	-	-	-	240/3-30hp/5-30A Safety Switch	EXISTING
MF12	1			X	Vertical Mill	Rockwell 21-100	-	-	3.2	3/4	200	3	-	-	-	-	-	EXISTING
MF13	1			X	Miller Spot Welder	SSW-2020ATT	-	-	90	-	230	1	-	-	-	-	-	EXISTING
MF14	1			X	Yaskawa Robot	DX100	-	-	15	-	220	1	-	-	-	X	CART	EXISTING
MF14A	1			X	Welder for Robot	Miller Auto Access 3000I	-	-	7.3-25.3	-	208-575	1 or 3	-	-	-	-	-	EXISTING
MF15	4		X		Lincoln Welder	S 350	-	-	31-60	-	208-575	1 or 3	-	-	-	-	-	EXISTING
MF16	4		X		Lincoln Welder	LN-25x	-	-	15	-	110	1	-	-	-	-	-	EXISTING
MF17	1			X	Horizontal Band Saw	KAMA	-	-	6	0.8	230	1	-	-	-	-	-	EXISTING
MF18	1			X	Pipe and Vessel Fabrication Welder	PIPEFAB™ READY-PAK®	-	-	24-53	-	208-460	3	-	-	-	-	-	EXISTING
MF19	1			X	Pexto Foot Shear	Pexto 152	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF20	2			X	Scrap Bins	Custom	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF21	1			X	Stock Rack 24' x 6'	Custom	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF22	10			X	3 x 4 Welding Booth	Greene MFG.	-	-	-	-	-	-	-	-	-	-	SEE MF07	NEW
MF23	13			X	5x5 Welding Booth	Greene MFG.	-	-	-	-	-	-	-	-	-	-	SEE M45-48	NEW
MF24	13			X	Workbench	Greene MFG.	-	-	-	-	-	-	-	-	-	-	-	NEW
MF25	1			X	Manual Box & Pan Brake	Chicago	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF26	1			X	Manual Plate Roller	Pexto No. 416A	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF27	4			X	5' x 5' PLATEN TABLE	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF28	1			X	10' x 5' PLATEN TABLE	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF29	2			X	Quench Bath	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF30	1			X	Flatstock Rack	Custom	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF31	2			X	Bench Shear	Baileigh MP5-5 Throatless Shear	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF32	4			X	Anvil on Stump Mount	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING
MF33	5			X	portable fume extractors	Miller Filtaire 130	-	-	11-25	-	115	1	-	-	-	-	-	EXISTING / NEW?
MF33A	1			X	portable fume extractors	Miller MWAD	-	-	11.9	-	115	1	-	-	-	-	-	EXISTING
MF34	1			X	Flame Cutting Table	Greene MFG.	-	-	-	-	-	-	-	-	-	-	-	NEW
MF36	7			X	Mig Welder	Miller Dual 180	-	-	20	-	120 - 208/230	1	-	-	-	-	-	EXISTING
MF37	1			X	Rod Oven	Lincoln Hydroguard 350	-	-	8	-	120	1	-	-	-	-	-	EXISTING
MF38	1			X	Power Pinch Plate Roller	Americor 180/6	-	-	60	5 AND 2	220/480	3	-	-	-	-	-	EXISTING
MF39	1			X	Plasma Cutter	Hypertherm 900	-	-	10-55	-	200-480	1 OR 3	-	-	-	-	-	EXISTING
MF40	1			X	Plasma Cutter	Hypertherm 30n	-	-	18.8-25	-	120-240	1-1an	-	-	-	-	-	EXISTING
MF41	2			X	Welder (ARC)	Miller XMT 200	-	-	49	-	230	1	-	-	-	-	-	EXISTING
MF42	1			X	Multiprocess Welder	Miller Xmt 350 field pro	-	-	20-40	-	208-575	1 AND 3	-	-	-	-	-	EXISTING
MF42A	1			X	Feeder	Arc Reach Suitcase 12	-	-	-	-	-	-	-	-	-	-	-	EXISTING - ACCESSORY TO MF42
MF43	2			X	Tig Welder	Miller dynasty 210	-	-	7-27	-	120-480	1 or 3	-	-	-	-	-	EXISTING
MF43A	2			X	Feeder	Miller wire feeder 22A	-	-	7	-	24VAC	-	-	-	-	-	-	EXISTING
MF44	1			X	AC/DC Tig Welder	Miller dynasty 350	-	-	13-47	-	208-575	1 or 3	-	-	-	-	FOR USE WITH MF23 (CONFIRM)	EXISTING
MF45	5			X	Tig/Stick Welder	Miller Dynasty 280	-	-	7-32	-	208-575	1 OR 3	-	-	-	-	FOR USE WITH MF23 (CONFIRM)	EXISTING (3 BRAND NEW)
MF46	3			X	Tig Welder	Miller dynasty 200	-	-	10 - 32	-	115-460	1 OR 3	-	-	-	-	FOR USE WITH MF23 (CONFIRM)	EXISTING
MF46A	3			X	Coolant Systems	Coolmate 1	-	-	6	-	115	1	-	-	-	-	-	EXISTING
MF46B	8			X	Coolant Systems	coolmate 1.3	-	-	6	-	115	1	-	-	-	-	-	Existing (3 BRAND NEW)
MF47	6			X	Tig Welder	Lincoln Precision Tig225	-	-	47-61	-	208/230	1	-	-	-	-	FOR USE WITH MF23 (CONFIRM)	Existing (4 BRAND NEW)
MF48	6			X	Mig Welder	Lincoln Power Mig 260	-	-	21-59	-	208-575	1	-	-	-	-	FOR USE WITH MF23 (CONFIRM)	EXISTING
MF49	2			X	Multi-Welder	Miller MultiMatic 220 AC/DC	-	-	20-31.3	-	110-240	1	-	-	-	-	-	EXISTING
MF50	1			X	Portable fume extractors	Lincoln tractor mini	-	-	20-30	-	120-208/240	1	-	-	-	-	-	EXISTING
MF51	4			X	Mig Welder	Millermatic 212 auto set	-	-	31/28	-	200/230	1	-	-	-	-	-	EXISTING
MF52	2			X	Mig Welder	Lincoln Power 350	-	-	76-29	-	208-575	1 or 3	-	-	-	-	-	EXISTING
MF53	1			X	Foot Shear	Roper Bentley 137	45x30	-	-	-	-	-	-	-	-	-	-	EXISTING
MF54	1			X	Pulse Mig Welder	Millermatic 350P	-	-	15-69	-	220	1 or 3	-	-	-	-	-	EXISTING
MF55	1			X	Manual Cold Saw	MEP P350	-	-	11	3.3	240	1	-	-	-	-	-	EXISTING
MF56	2			X	Robots	DX100	-	-	15	-	220	1	-	-	-	X	CONFIRM USE	EXISTING - CLASSROOM
MF57	1			X	Lincoln Tool Chest	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING - CLASSROOM
MF58	1			X	Snap on Tool Chest	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING - CLASSROOM
MF59	1			X	Roll Bending Machine	Eagle	27x22	-	-	1.25	220	1	-	-	-	-	-	New To Program
MF60	1			X	Bender	Ercolina Super Bender	20x27	-	-	16	-	110	1	-	-	-	-	New To Program
MF61	1	X			OVERHEAD HOIST - TWO TON	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING

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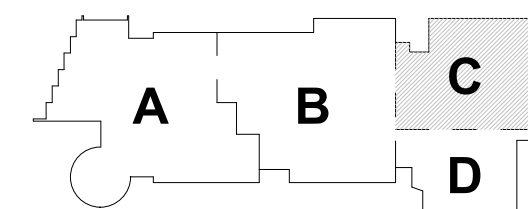
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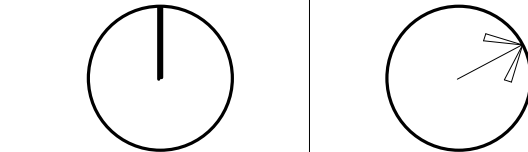
MAY 12, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

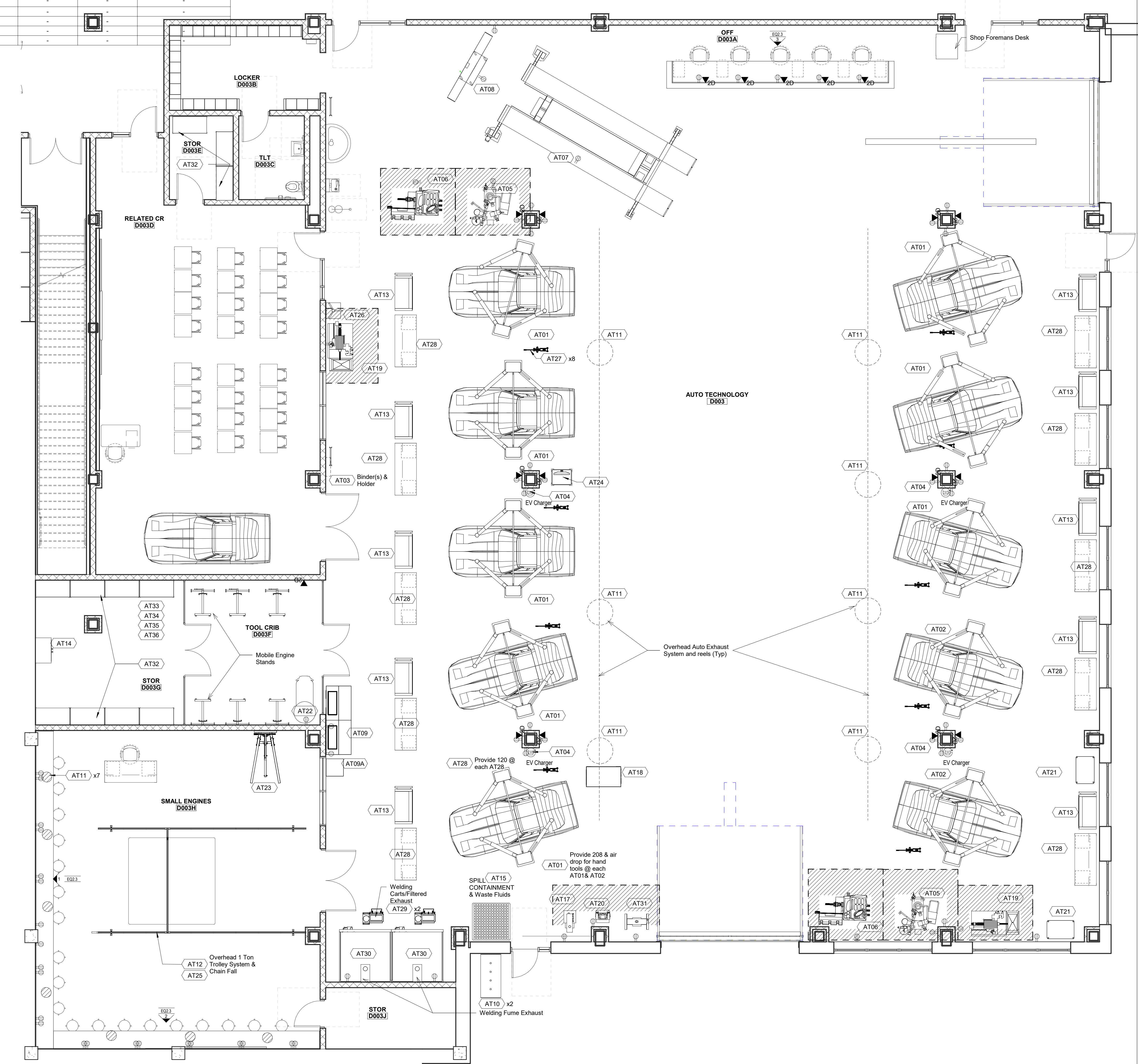
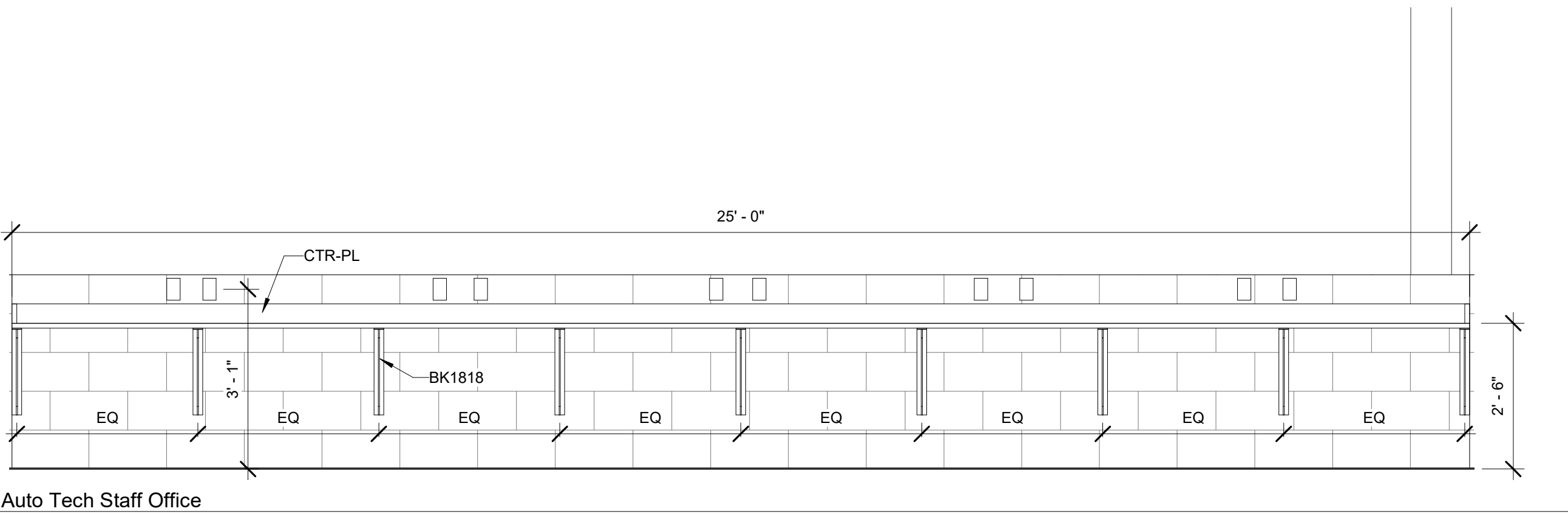


METAL
FABRICATION
Casework &
Equipment

Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ.2.1

AUTO TECHNOLOGY - SCHEDULE																
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES
AT01	8	X			10,000 lb 2 Post...	ROTARY #SP0A10	-	-		2-5	208	1	At Bay	-	-	Relief PSI 3050
AT02	2	X			16,000 lb 2 Post...	ROTARY #SPOA16...	-	-		2-5	208	1	At Bay	-	-	Relief PSI 305
AT03	1	X			MSDS	-	-	-	-	-	-	-	-	-	-	-
AT04	2	X			EV Charging...	-	-	-	50	-	208	1	-	-	X	-
AT05	2		X		Tire Changer	HUNTER Revolution	78x52x86	-	24	-	208	1	125 +/- 25 PSI...	-	X	Hardware - GFCI?
AT06	2		X		Wheel balancer	HUNTER ROAD FORCE...	63x72x89	-	10	-	196-253	1	100-175psi @ 7...	-	X	Hardware - GFCI?
AT07	1		X		Alignment Rack	HUNTER RX16	-	-	22	-	208-230	1	90-150psi...	-	-	-
AT08	1		X		Alignment...	Hunter HawkEye Elite	-	-	15	-	120	1	-	-	X	-
AT09	1		X		Blasting Cabinet	ZERO PRODUCTS PULSAR	52x40	-	8	1	115	1	21-47cfm @ 80psi	-	-	-
AT09A	1		X		Power Module	ZERO PRODUCTS PULSAR	52x30	-	8	1	115	1	21-47cfm @ 80psi	-	-	-
AT10	1		X		DUAL Exhaust Collection Arms...	Miller FILTAIR SWX	-	-	12	1	115	1	2@ 875cfm power head	-	-	DUAL ARM 115v Blower/115v Control
AT11	7		X		Vehicle Exhaust...	Ceiling Mounted Hose...	-	-	-	-	-	-	350-400cmf	-	-	Connect to HVAC/Exhaust
AT12	1	X			1 Ton Chain Fall	Manual	-	-	-	-	-	-	-	-	-	-
AT13	10			X	Snap-On Tool...	EPIQ KETN602COP80	-	-	-	-	-	-	-	-	-	-
AT14	1			X	Flammable...	EX SAFETY CABINET-45...	-	-	-	-	-	-	-	-	-	-
AT15	3			X	Waste Oil Dolly	-	-	-	-	-	-	-	-	-	-	-
AT16	2			X	RWD Stands	-	-	-	-	-	-	-	-	-	-	-
AT17	1			X	Drill Press	JET J-2500	-	-	6	3/4	115	1	-	-	-	-
AT18	1			X	Scrap Bin	-	-	-	-	-	-	-	-	-	-	-
AT19	2			X	Brake lathe	Ammco	-	-	15	1.5	115-230	1	-	-	-	-
AT20	1			X	Grinder on...	DEWALT DW758 / JET...	-	-	-	3/4	115	1	-	-	-	-
AT21	2			X	Portable parts...	SMARTWASHER SW-23	-	-	8.3	-	115	1	-	-	-	-
AT22	1			X	floor scrubber	MicroMag 17 D	-	-	8	-	120	1	-	-	-	24VDC Battery
AT23	1			X	Engine lifts	-	-	-	-	-	-	-	-	-	-	-
AT24	1			X	Diagnostic...	-	-	-	10	-	115	1	-	-	X	-
AT25	1	X			Hoist Crane	SMALL ENGINE	-	-	-	-	-	-	-	-	-	-
AT26	1			X	Strut Compressor	-	-	-	-	-	-	-	-	-	-	-
AT27	8			X	Floor Jacks	-	-	-	-	-	-	-	-	-	-	-
AT28	10			X	Workbench w/vice	GI 72 x 30 Adjustable...	-	-	-	-	-	-	-	-	-	-
AT29	2			X	Welders	1 Mig	-	-	20	-	120/230	1	-	-	-	-
AT30	2			X	Welding Booths	GM1 GB-74.5-CO-...	-	-	-	-	-	-	-	-	-	-
AT31	1			X	Hydraulic Press	-	-	-	-	-	-	-	-	-	-	-
AT32	2			X	Small Parts Storage	-	-	-	-	-	-	-	-	-	-	-
AT33	1			X	Carbon Clean	Sun Motor Vac	-	-	14.5	-	120	1	-	-	-	-
AT34	1			X	Battery Charger	Exide 70-200	-	-	8/13/34	-	120	1	-	-	-	-
AT35	1			X	Refrigerant...	Robuair 3478BNH	-	-	12	-	115	1	-	-	-	-
AT36	1			X	Battery Charger	Snap On D-tac Elite	-	-	13.2	-	120	1	-	-	-	-



1 Auto Tech - Sm Engine - West
1/2" = 1'-0"

2 Auto Tech - Sm Engine - South
1/2" = 1'-0"

4 Level 0 - Auto Tech
3/16" = 1'-0"

DRA

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Tel: 817.954.1702
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90% MSBA CD SET

MAY 12, 2023

A B C D

KEY PLAN

PROJECT NORTH

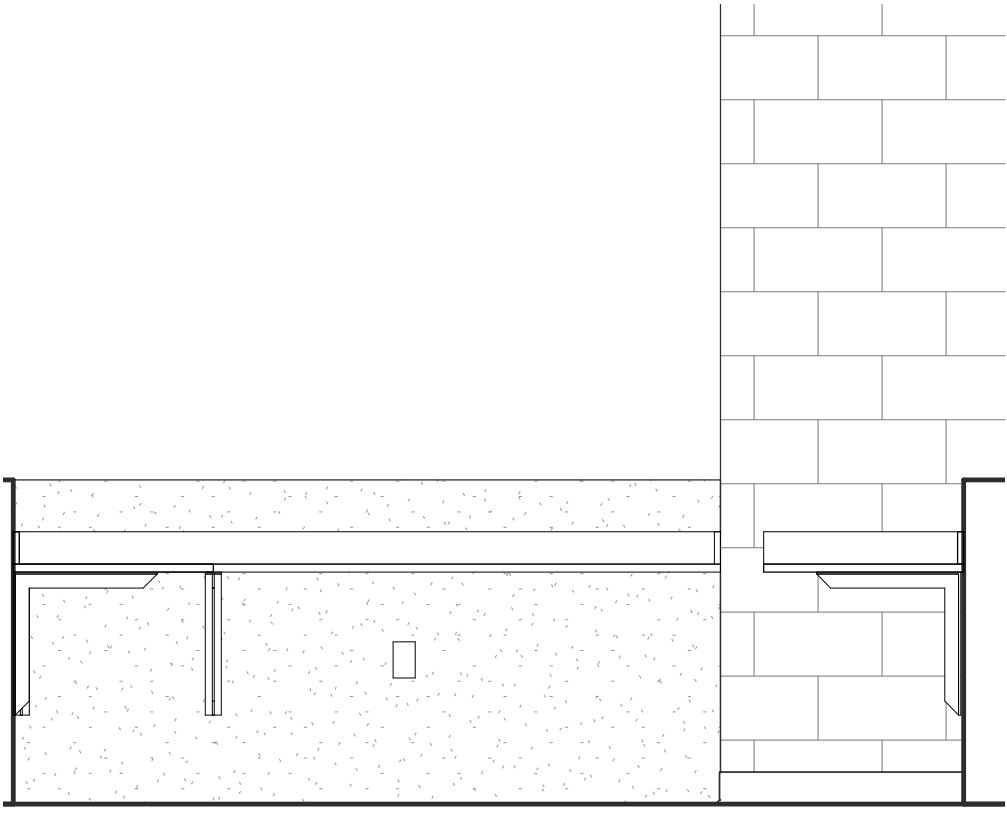
MAGNETIC NORTH

AUTO
TECHNOLOGY
Casework &
Equipment

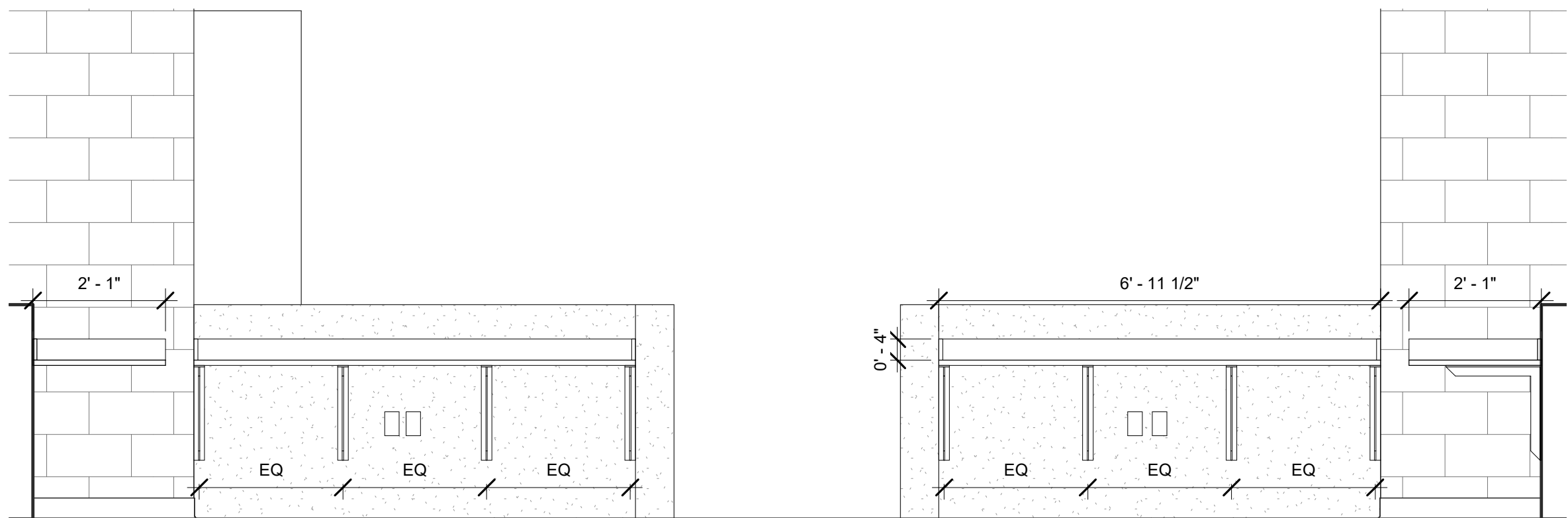
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Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ2.3

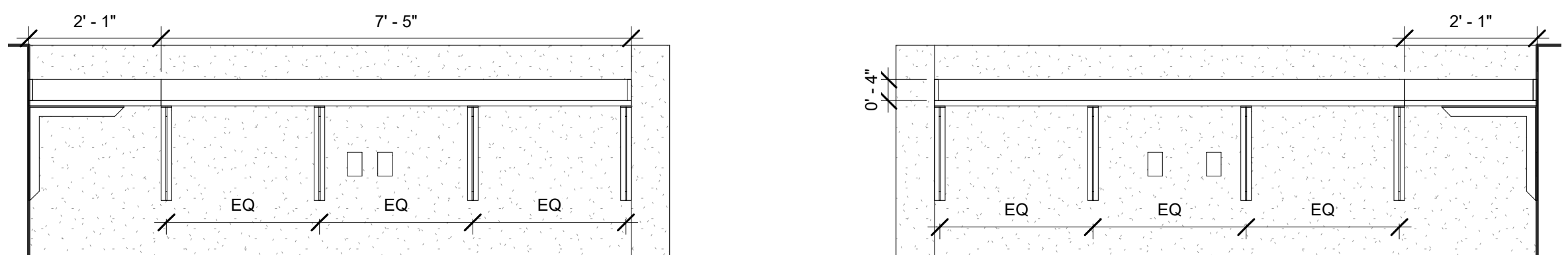
HVAC - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRPTION	MAKE & MODEL	SIZE (DxWxH)	WEIG HT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
HV01	24	X			Lowerclass Booths	CUSTOM	-	-	-	-	120/208	-	-	-	-	MEP SPEC/BALA	-
HV02	5		X		96 % Boilers	-	-	-	-	-	120	1	Vent	Water/...	-	MEP SPEC/BALA	-
HV03	1		X		Walk in Freezer	-	-	-	10	1	208	1	-	Drain	-	CRABTREE	-
HV04	2		X		Ice Machines	-	-	-	15	-	120	1	-	Water/...	-	MEP SPEC/BALA	-
HV05	2		X		Oil Furnaces	-	-	-	15	-	115	1	Vent	-	-	MEP SPEC/BALA	-
HV06	5		X		80% Furnaces	-	-	-	15	-	115	1	Vent	-	-	MEP SPEC/BALA	-
HV07	3		X		Mini Split units	-	-	-	15	-	208	1	-	-	-	MEP SPEC/BALA	-
HV08	3		X		1.5 Ton Condensers	-	-	-	15	-	208	1	-	-	-	MEP SPEC/BALA	-
HV09	4		X		AC / Heating Units	-	-	-	15	-	208	1	-	-	-	MEP SPEC/BALA	-
HV10	1		X		On Demand HW Unit	-	-	-	-	-	120	-	Vent	Water	-	MEP SPEC/BALA	-
HV11	24	X			Upperclass Booths	-	-	-	-	-	120/208	-	-	-	-	MEP SPEC/BALA	-
HV12	1		X		VRF Ceiling	-	-	-	15	120	1	-	-	-	-	MEP SPEC/BALA	-
HV12A	1		X		VRF Ducted	-	-	-	15	120	1	-	-	-	-	MEP SPEC/BALA	-
HV12B	2		X		VRF Wall	-	-	-	15	120	1	-	-	-	-	MEP SPEC/BALA	-
HV13	1			X	Portable Fume Collection	Superior SD23	25x33x70	-	16.6	3/4	120	1	-	-	-	-	NEW
HV14	1			X	Small Plasma Table	-	48x96	-	30	-	110 and 220	1 or 3	100psi 6...	-	X	Table 110 Pasma220	NEW
HV15	1			X	Lock Former Pittsburgh Machine	-	-	-	11.4/...	0.75	115-230	1	-	-	-	-	NEW
HV16	1			X	Manual Shear	-	-	-	-	-	-	-	-	-	-	-	NEW
HV17	1			X	Manual Finger Break	-	-	-	-	-	-	-	-	-	-	-	NEW
HV18	1			X	Manual Pinch Roller	-	-	-	-	-	-	-	-	-	-	-	NEW
HV19	1			X	Drill Press	-	-	-	5	0.5	115	1	-	-	-	-	NEW
HV21	1			X	Pipe Threading Machine	-	-	-	15	0.5	115	1	-	-	-	-	NEW
HV23	1			X	Portable Spot Welder	-	-	-	16	-	120/240	1	-	-	-	-	NEW
HV24	21			X	Tables w/Vise	-	-	-	-	-	-	-	-	-	-	-	NEW



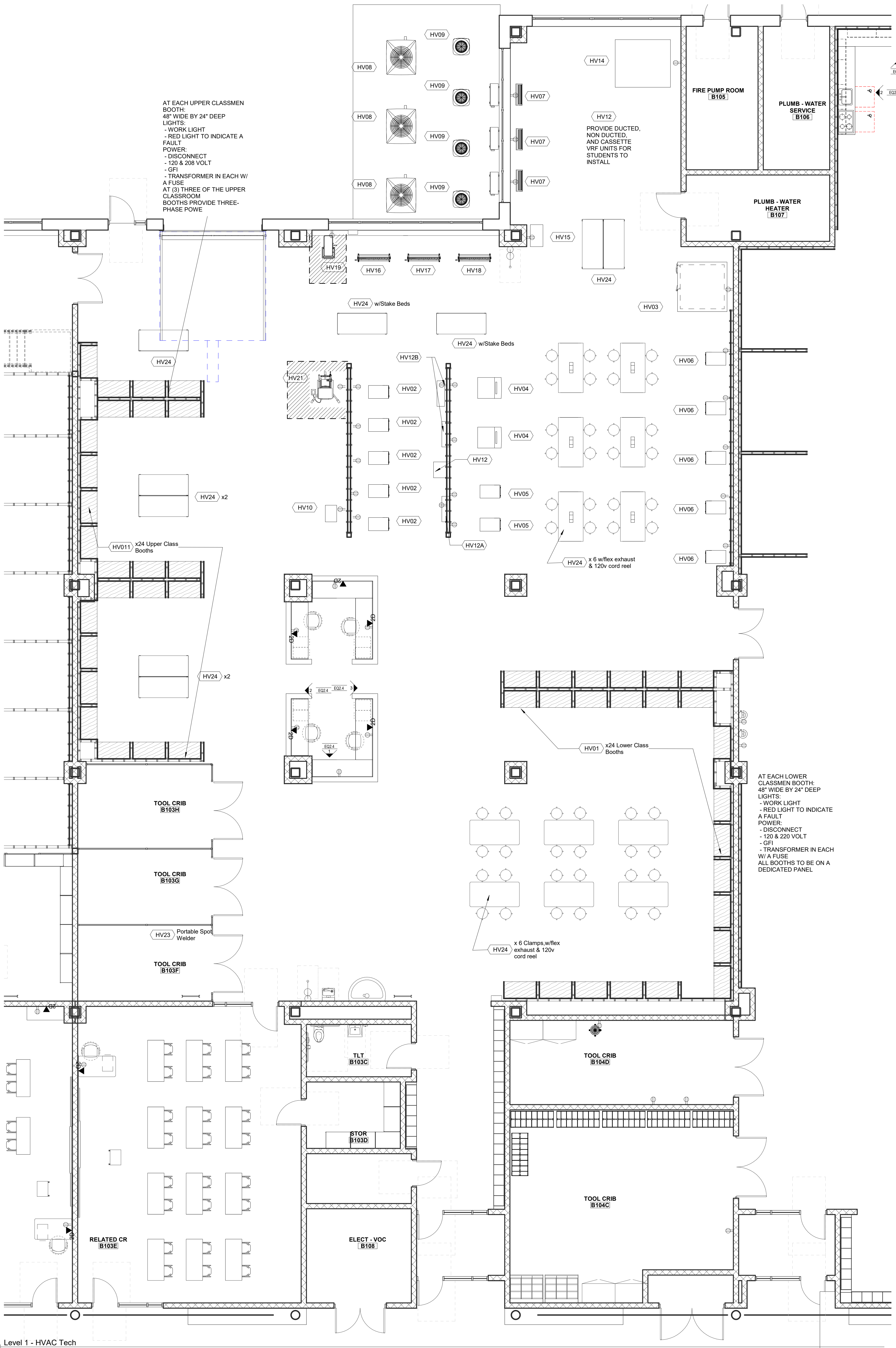
1 B103-Hvac- Office- South
1/2" = 1'-0"



2 B103-Hvac- Office- West
1/2" = 1'-0"



3 B103-Hvac- Office- East
1/2" = 1'-0"



5 Level 1 - HVAC Tech
3/16" = 1'-0"

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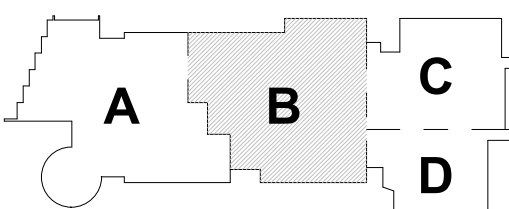
Wakefield, MA 01880

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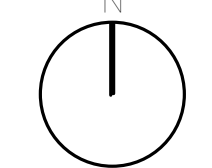
90% MSBA CD
SET

MAY 12, 2023

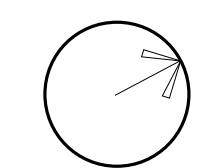


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



HVAC TECH
Casework &
Equipment

Scale: As indicated

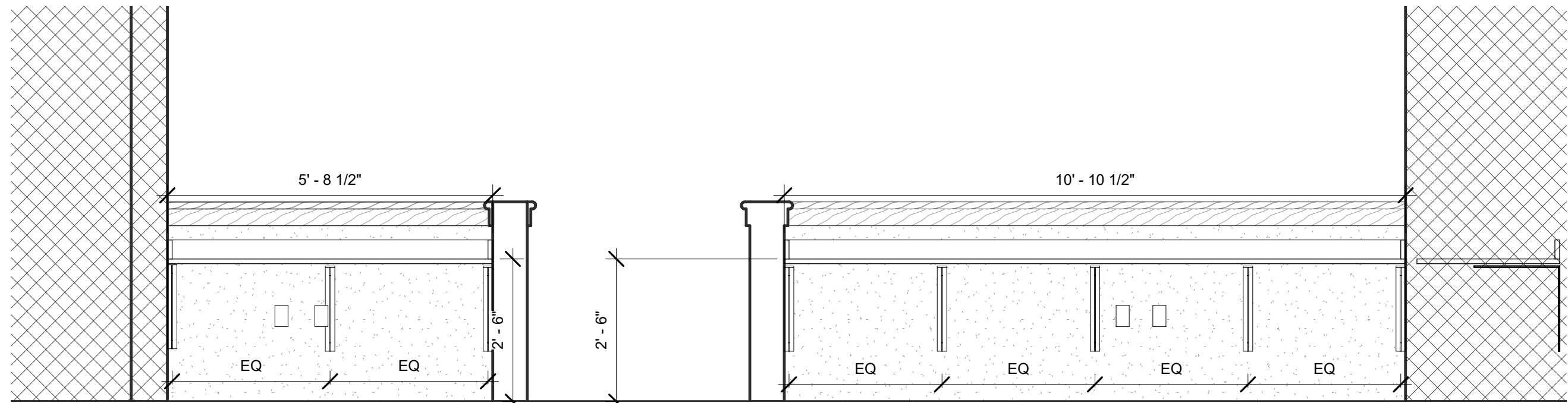
Job No.: 20202

Drawn By: DRA

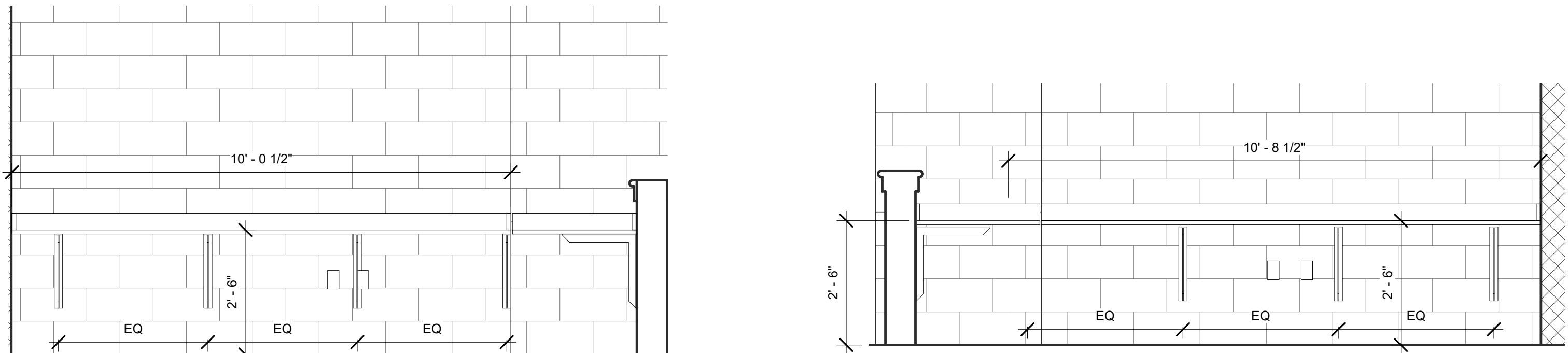
Date: MAY 12, 2023

EQ2.4

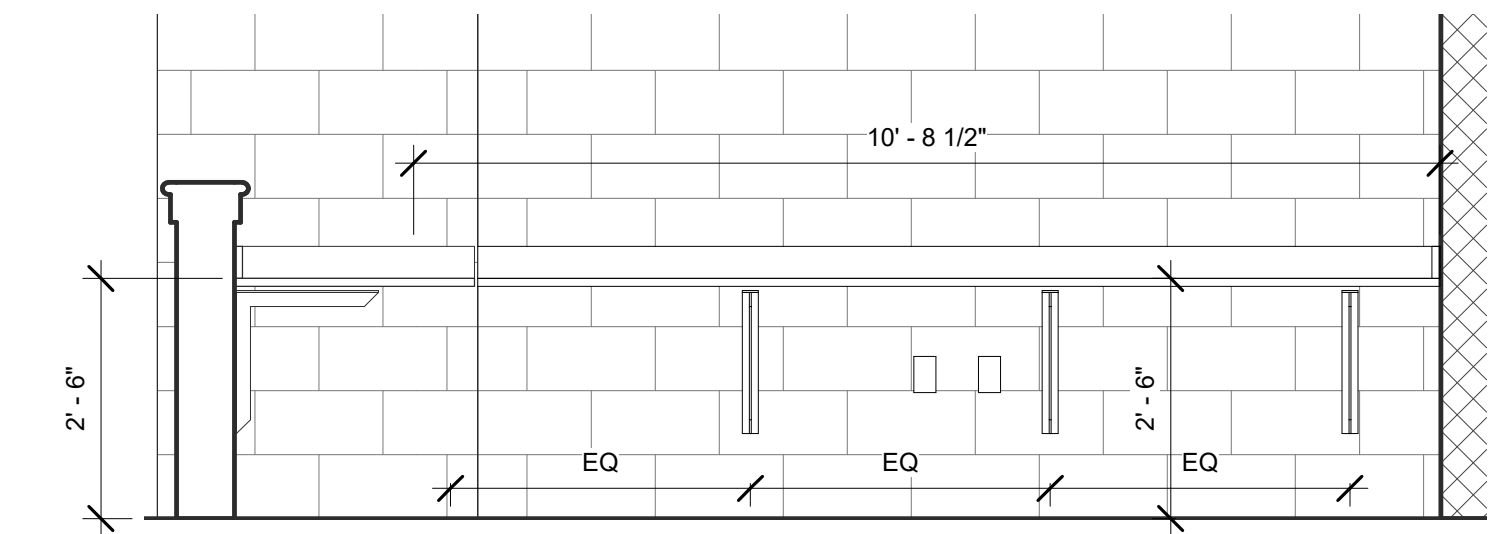
CARPENTRY - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIG HT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
CP01	1	X			Dust Collection - Full Shop	-	-	-	-	-	-	-	-	-	-	BALA SPEC	EXISTING
CP02	1		X		Large CNC	Laguna SmartShop II	-	-	50/60	7.5	208	1 or 3	90psi	-	X	4" Dust Port	EXISTING
CP03	2		X		Cabinet Saw	SawStop	-	-	6	5	480	3	-	-	-	4" Dust Port	NEW
CP04	1		X		Panel Saw	SCMI SVP 76/78	-	-	14/7	-	230-460	3	-	-	-	4" Dust Port - 500cfm	EXISTING
CP05	1		X		Table Saw	Laguna TSS	-	-	32	5	2 x 230	1 or 3	-	-	-	4" Dust Port	EXISTING
CP07	1		X		Inverted Router	C.R. ONSRUD	-	-	12.2	-	230	3	80psi 4 cfm	-	-	4" Dust Port	EXISTING
CP08	1		X		Planer	Northfield	-	-	20-30	3	220	3	-	-	-	8" Dust Port	EXISTING
CP09	2		X		Jointer	Northfield	-	-	11	3	208/220/440	3	-	-	-	4" Dust Port	EXISTING
CP10	1		X		Oscillating Universal Edge Sander	Newton E30	-	-	30	-	240	3	-	-	-	4" Dust Port	EXISTING
CP11	1		X		Planer	Delta DC-380	-	-	14-17	3	230	1	-	-	-	2 @ 4" Dust Ports	EXISTING
CP12	1		X		Drum Sander	Powermatic	-	-	14	1.75	115	1	-	-	-	4" Dust Port	NEW
CP13	1		X		Vertical Band Saw	Tannehill	-	-	18.6	5	208/220-440	3	-	-	-	4" Dust Port	EXISTING
CP14	1		X		TABLE SAW	Powermatic 81	-	-	18	3	230	1	-	-	-	4" Dust Port	DELETE/ ADD BREAK?
CP15	1		X		Plywood Rack	-	-	-	-	-	-	-	-	-	-	-	NEW
CP16	2		X		Linear Stock Rack	-	-	-	-	-	-	-	-	-	-	-	NEW
CP17	10			X	Saw Horses	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CP18	4			X	Rake and Shovel Rack	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CP19	2			X	Tool Storage	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CP20	2			X	14" Band Saw	Delta	-	-	10.7	-	115	1	-	-	-	-	EXISTING
CP21	1			X	Portable Table Saw	SawStop	-	-	15	1.5	120	-	-	-	-	2-9/16" OD Dust Port	EXISTING
CP22	3			X	Flammable cabinets	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CP23	1			X	Portable Dust Collection	Delta	-	-	7	0.75	115	1	-	-	-	-	EXISTING
CP24	1			X	Belt/Disc Sander	-	-	8-4	0.5	115-230	1	-	-	-	-	-	EXISTING
CP25	3			X	Small Planer on Cart	DeWalt DW735X	-	-	15	-	120	1	-	-	-	4" Dust Port	EXISTING
CP26	1			X	Lathe	Nova 1624 II	-	-	13.5	1.5	115	1	-	-	-	-	EXISTING
CP27	1			X	Spindle Sander	909	-	-	3.5	1/2	120	-	-	-	-	1.5" Dust Port	EXISTING
CP28	3			X	Mitre Saw	DeWalt	-	-	15	-	120	-	-	-	-	Dust Port w/Bag	EXISTING
CP29	10			X	Work Benches/Tables	w/Vices	-	-	-	-	-	-	-	-	-	-	NEW
CP30	1			X	Drill Press	Craftsman	-	-	6	-	120	-	-	-	-	-	EXISTING
CP31	1			X	Drill Press	Rockwell	-	-	4.2	1	208	3	-	-	-	-	EXISTING
CP32	3			X	Drill Press	Delta	-	-	10	0.5	115	-	-	-	-	-	EXISTING
CP33	1			X	Large Dust Collection - Portable	KUFQ	-	-	6/5	3-5	220/440	-	-	-	-	-	EXISTING
CP34	1			X	Jointer	Jet	-	-	13/6.5	0.75	115/230	1	-	-	-	-	EXISTING
CP35	1			X	Router	Freud	-	-	15	-	120	1	-	-	-	-	EXISTING
CP36	2			X	tile saw	rigid	-	-	12	-	120	1	-	-	-	-	EXISTING
CP37	2			X	Mitre Saw	Bosch	-	-	15	-	120	1	-	-	-	-	EXISTING
CP38	1			X	Hindge Boring	Melpa Mat	-	-	22	-	115	1	-	-	-	6 bar 85.5psi	EXISTING
CP39	1			X	Portable Table Saw	Saw Stop	-	-	15	-	120	1	-	-	-	2" Dust Port	EXISTING
CP40	1			X	Lathe	Minimax T124	-	-	-	2.5	230	1	-	-	-	-	EXISTING
CP41	3			X	Band Saw	Delta	-	-	13.4	-	115	1	-	-	-	-	EXISTING
CP42	1			X	Table Saw	Powermatic 64B	-	-	15-7.5	1.75	115-230	1	-	-	-	4" Dust Port	EXISTING
CP43	1			X	Saw Mill	Wood-Mizer LT15	75x244	-	46	10	230	1	-	-	-	NEW	EXISTING - NEW TO PROGRAM



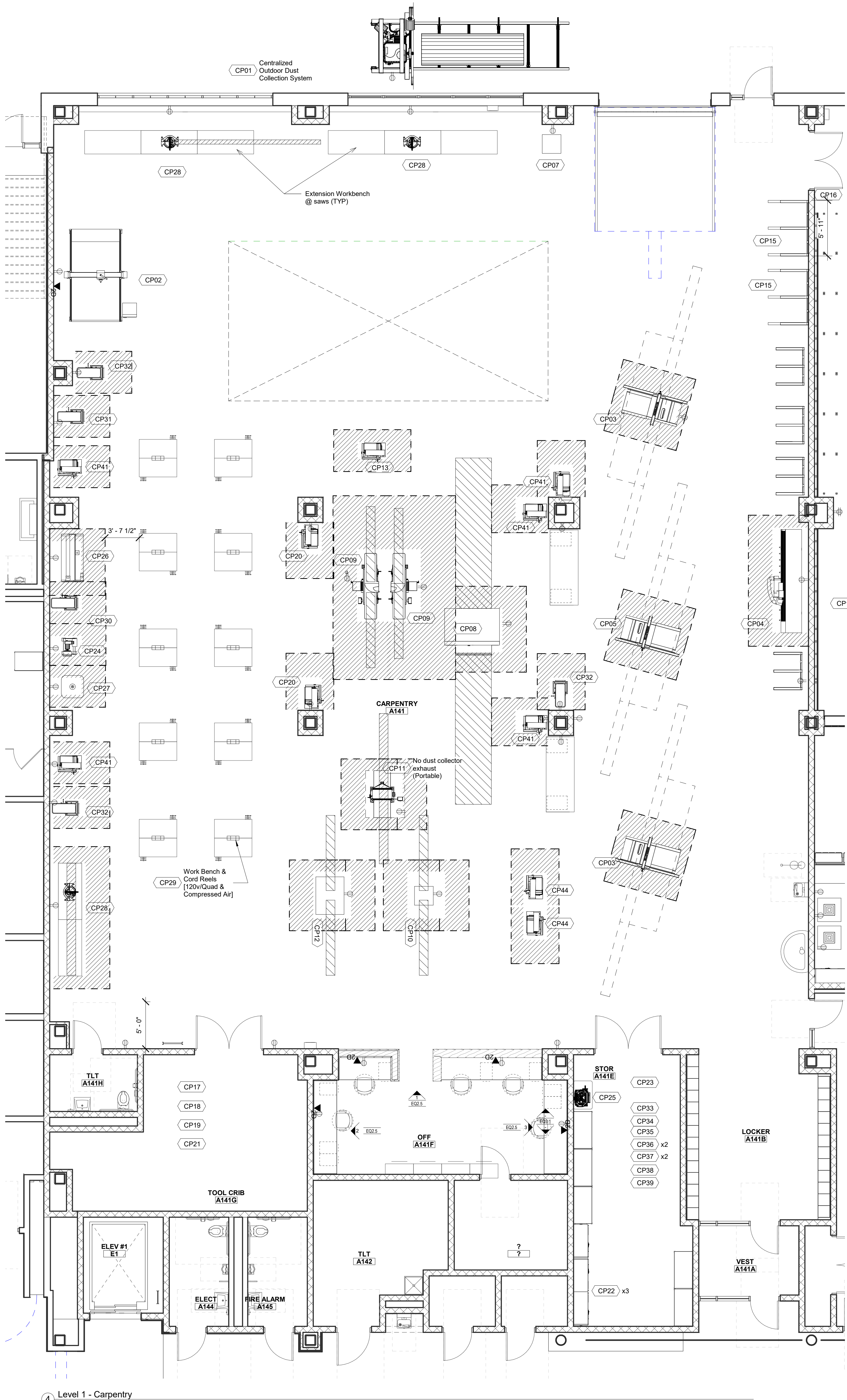
1 A141F - Carpentry - Staff Office - North
1/2" = 1'-0"



2 A141F - Carpentry - Staff Office - West
1/2" = 1'-0"



3 A141F - Carpentry - Staff Office - East
1/2" = 1'-0"



4 Level 1 - Carpentry
3/16" = 1'-0"

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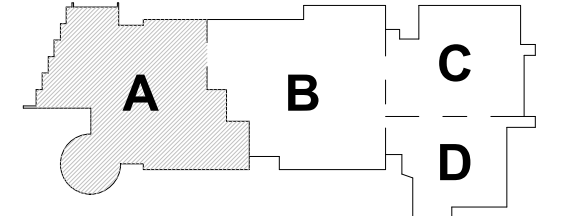
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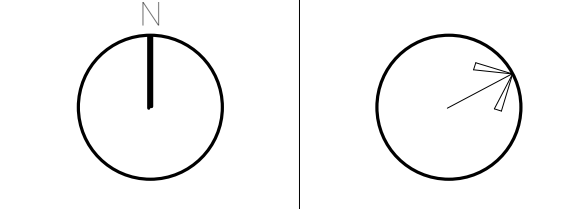
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MAY 12, 2023



KEY PLAN

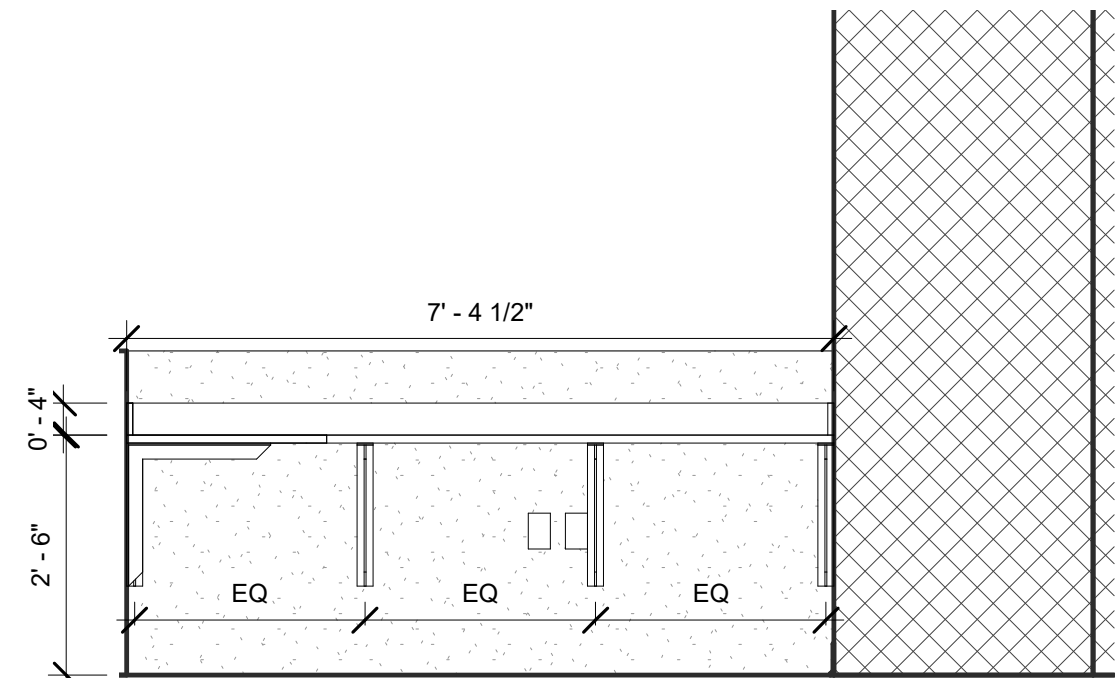
PROJECT NORTH
MAGNETIC NORTH



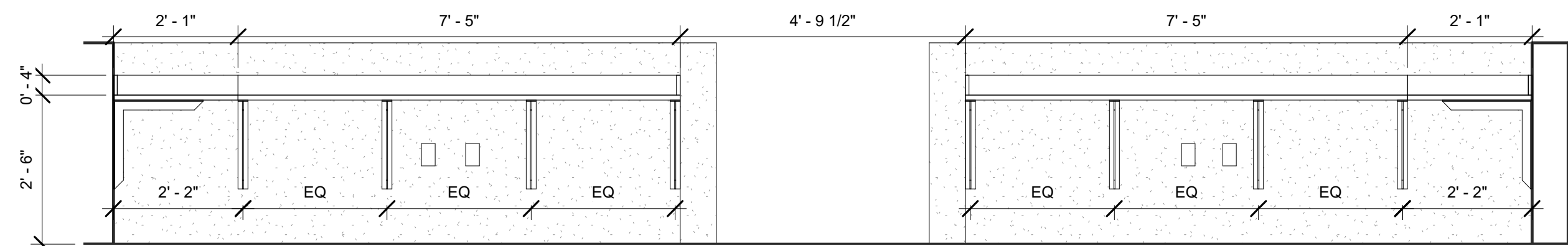
**CARPENTRY
Casework &
Equipment**

Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023
EQ2.5

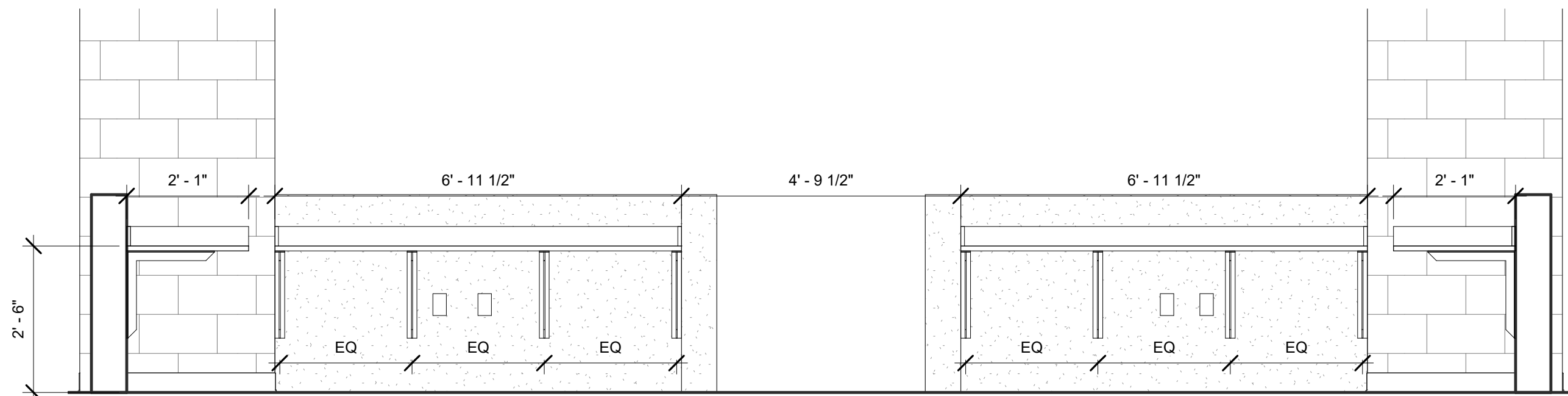
PLUMBING - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIG HT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
PL01	14	X			8' UC Student Booth	Custom	-	-	-	-	-	-	-	-	-	-	NEW
PL02	14	X			LC Student Booth	Custom	-	-	-	-	-	-	-	-	-	-	NEW
PL03	2	X			Electric Hot Water (OD)	-	-	-	-	-	-	-	-	-	-	BALA SPEC	NEW
PL04	1	X			Gas Boiler w/tankless	-	-	-	-	-	-	-	-	-	-	BALA SPEC	NEW
PL05	2	X			Gas Water Heater	-	-	-	-	-	-	-	-	-	-	BALA SPEC	NEW
PL06	2			X	Portable Fume Extractor	Miller Filtrair 130	-	-	11	-	120	1	-	-	-	-	VIA GRANT - CONFIRM
PL07	8			X	Tall Metal storage	-	-	-	-	-	-	-	-	-	-	-	NEW
PL08	18			X	Pipe Cutters	Ridgid	-	-	-	-	-	-	-	-	-	-	NEW
PL09	36			X	Bench Chain Vice	Ridgid	-	-	-	-	-	-	-	-	-	-	NEW
PL10	18			X	Bench Yoke Vice	Ridgid	-	-	-	-	-	-	-	-	-	-	NEW
PL12	4			X	Pipe Threaders	Ridgid 535	-	-	15	1/2	115	1	-	-	-	-	EXISTING
PL13	1			X	Horiz. Pipe Storage	-	-	-	-	-	-	-	-	-	-	-	NEW
PL14	1			X	Portable Bandsaw	Ridgid	-	-	-	-	110	-	-	-	-	18V Battery	EXISTING
PL15	18			X	Workbenches w/Vise	Flame Resistant	-	-	-	-	-	-	-	-	-	-	NEW
PL16	3			X	Post Chain Vise	Ridgid 640	-	-	-	-	-	-	-	-	-	-	EXISTING
PL17	18			X	Bench Vise	Ridgid 66987	-	-	-	-	-	-	-	-	-	-	NEW
PL18	1			X	Floor Machine	Clarke Vision	-	-	-	-	24v	-	-	-	-	24 V Battery	EXISTING



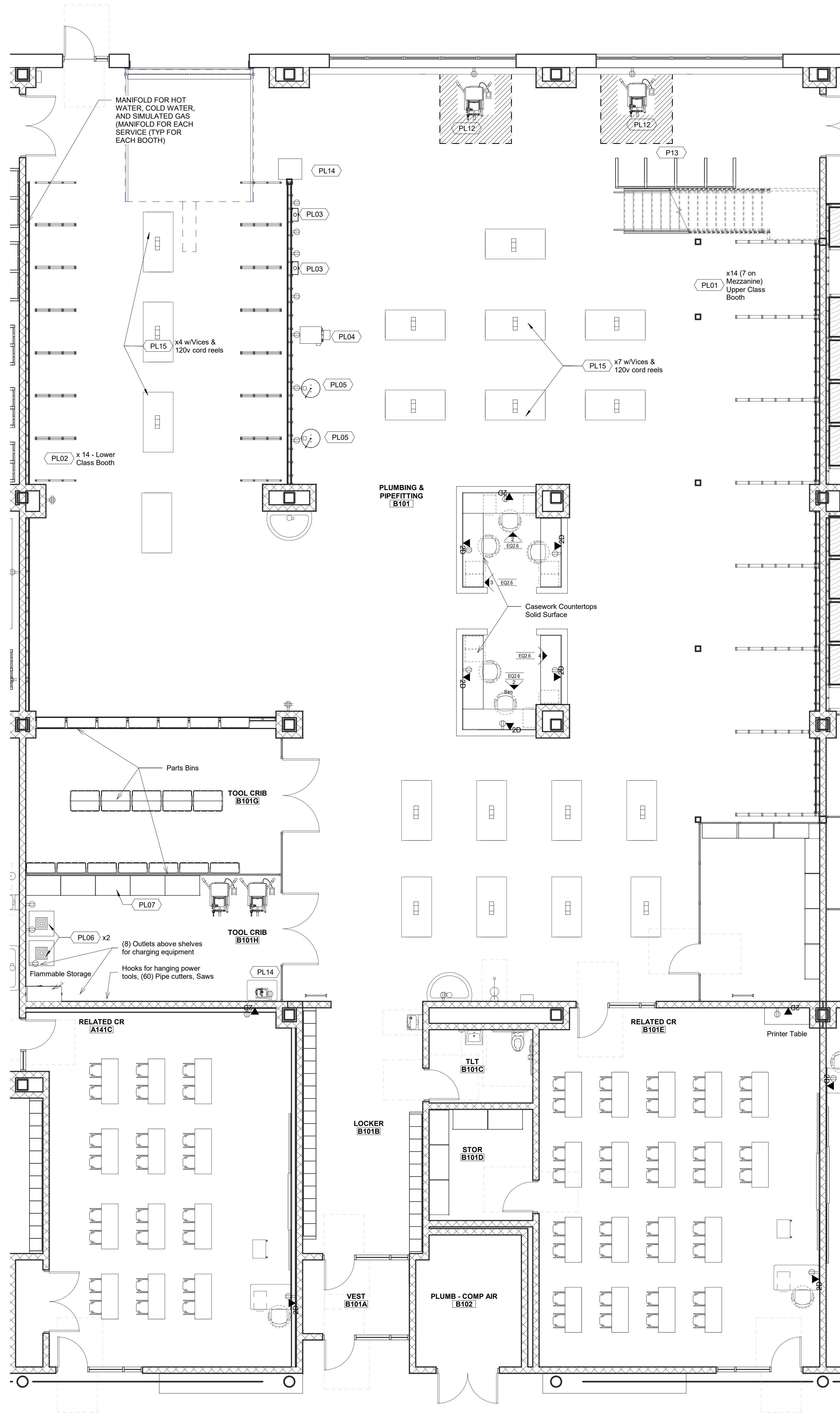
2 B101F - Plumbing - Staff Office, North
1/2" = 1'-0"



3 B101F - Plumbing - Staff Office, West
1/2" = 1'-0"



4 B101F - Plumbing - Staff Office, East
1/2" = 1'-0"



1 Level 1 - Plumbing - Pipe Fitting
3/16" = 1'-0"

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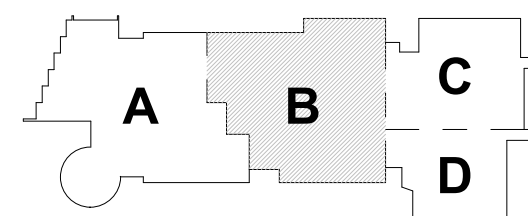
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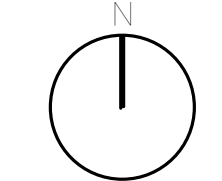
90% MSBA CD
SET

MAY 12, 2023

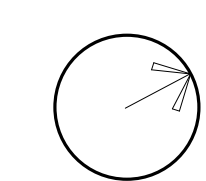


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



PLUMBING /
PIPEFITTING
Casework &
Equipment

Scale: As indicated

Job No.: 20202

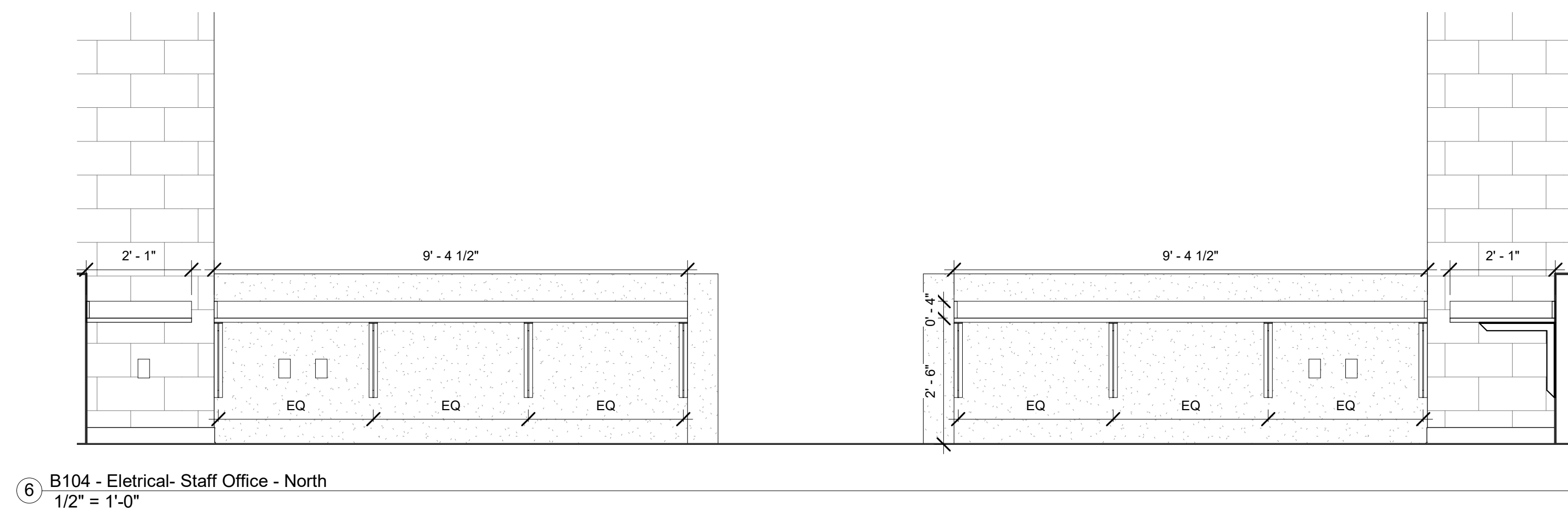
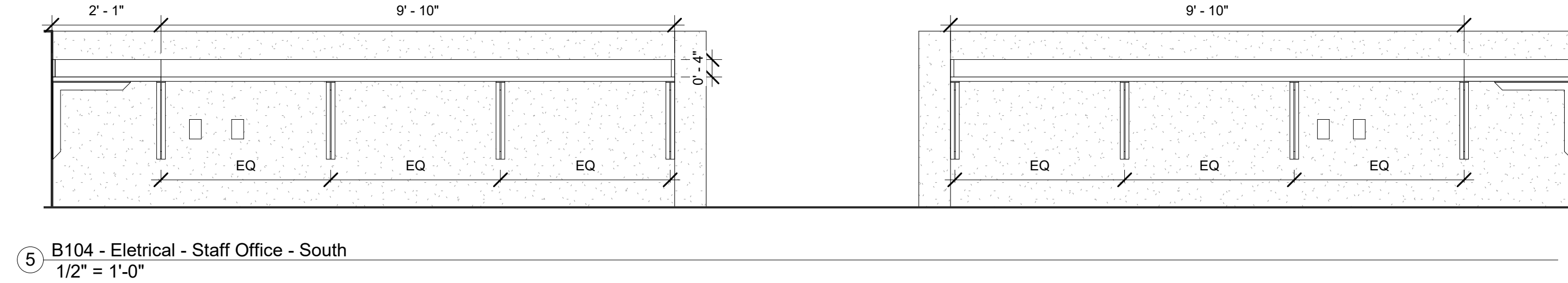
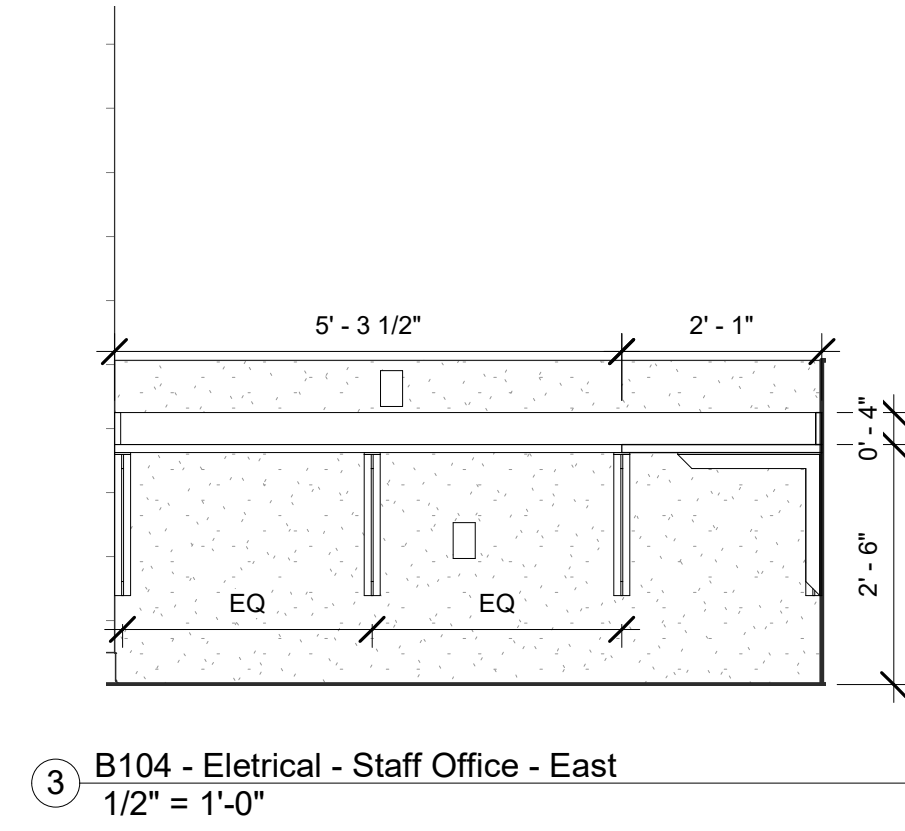
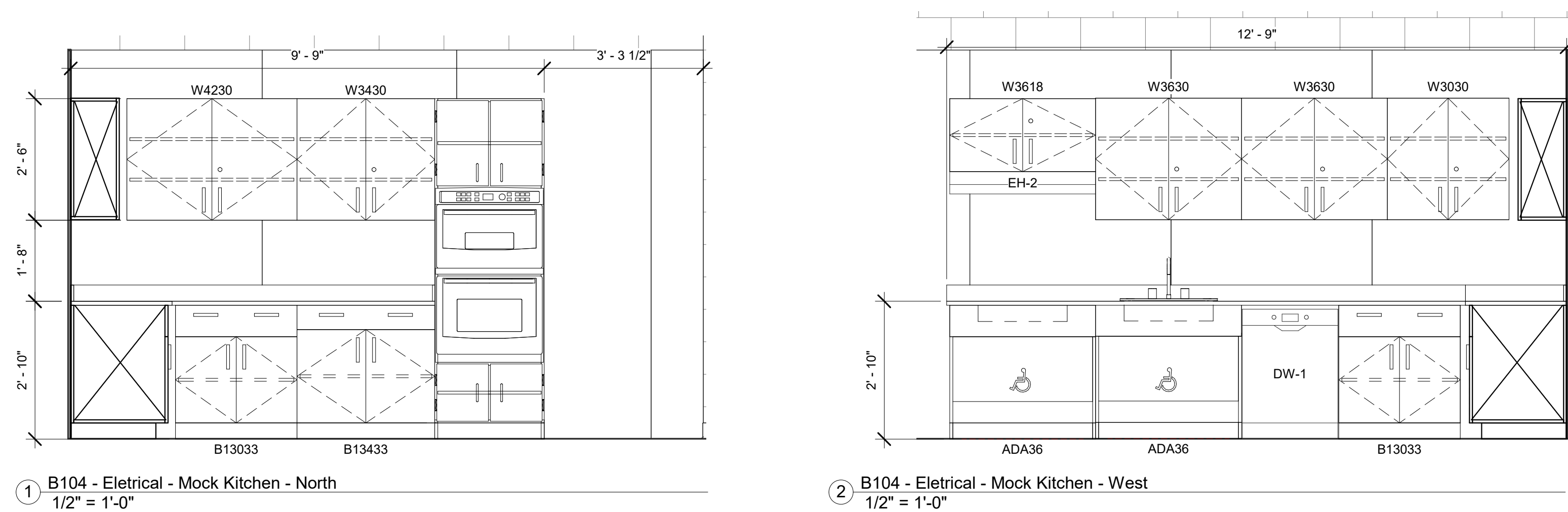
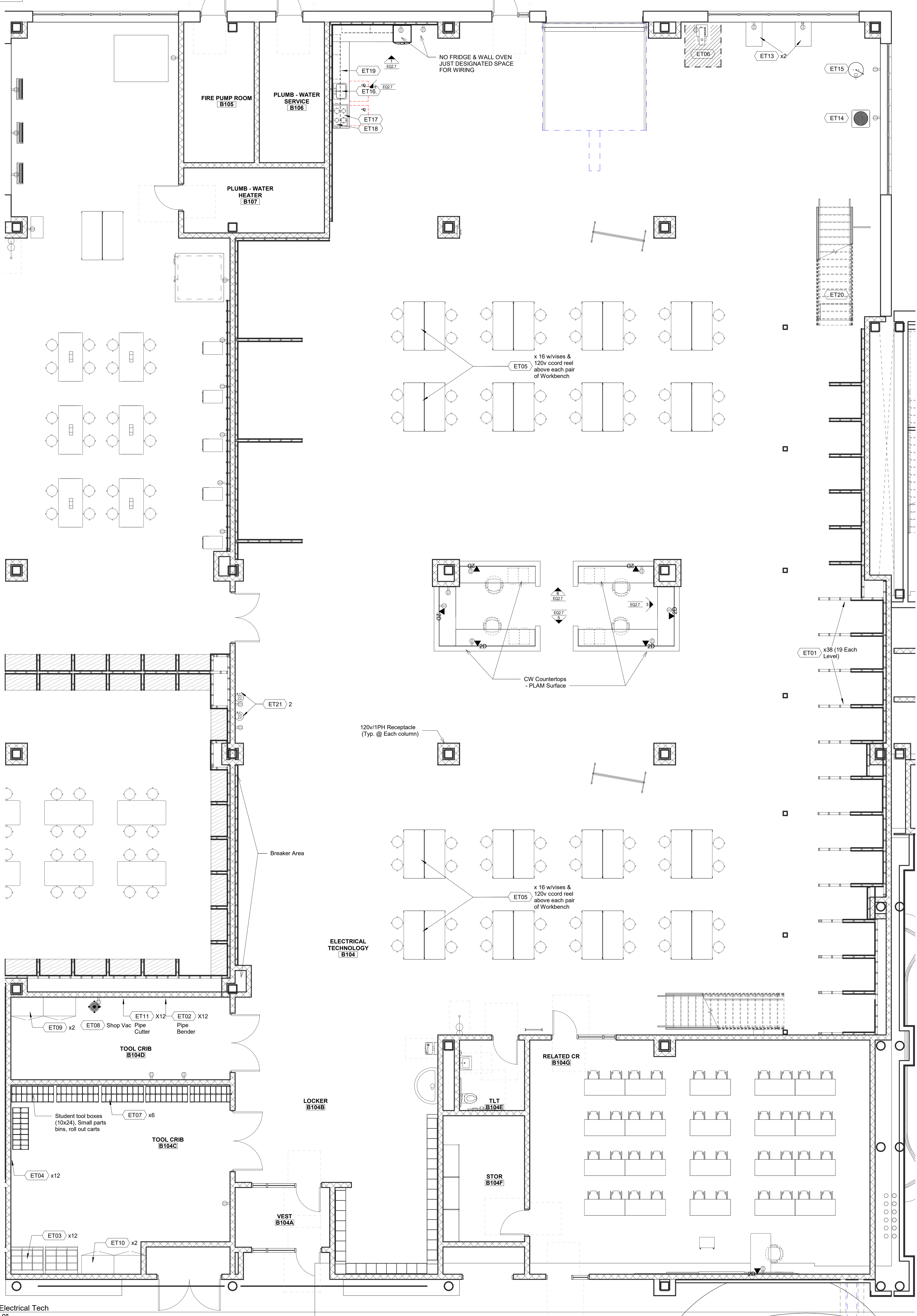
Drawn By: DRA

Date: MAY 12, 2023

EQ2.6

ELECTRICAL - SCHEDULE																
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by...	Furnish and Install by...	DISCRPTION	MAKE & MODEL	SIZE (DxWxH)	WEIG HT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES
ET01	38	X			Student Booths	-	-	-	-	-	-	-	-	-	-	
ET02	12			X	Manual Pipe Benders	-	-	-	-	-	-	-	-	-	-	
ET03	2			X	Wire Spools (Racks)	-	-	-	-	-	-	-	-	-	-	
ET04	12			X	Ladders	-	-	-	-	-	-	-	-	-	-	
ET05	32			X	Worktables w/Vice	-	-	-	-	-	-	-	-	-	-	
ET06	1			X	Drill press	-	-	-	20	-	120	1	-	-	-	
ET07	6			X	Storage Cabinets w/bins	-	-	-	-	-	-	-	-	-	-	
ET08	1			X	Shop Vac	-	-	-	12	-	120	1	-	-	-	
ET09	2			X	Mobile Storage Carts	-	-	-	-	-	-	-	-	-	-	
ET10	2			X	Greenlee Boxes	-	-	-	-	-	-	-	-	-	-	
ET11	12			X	Pipe Cutters	-	-	-	-	-	-	-	-	-	-	
ET12	1			X	Solar Trainer	-	-	-	-	-	-	-	-	-	-	
ET13	2			X	Boiler	-	-	-	10	-	120	1	-	-	-	MOCK
ET14	1			X	Central Air	-	-	-	20	-	120	1	-	-	-	MOCK
ET15	1			X	HW Heater	-	-	-	30	-	240	1	-	-	-	MOCK
ET16	1			X	Garbage Disposal	-	-	-	7	1	115	1	-	-	-	MOCK
ET17	1	X			Cooktop	-	-	-	40	-	240	1	-	-	-	MOCK
ET18	1	X			Exhaust Hood w/ Light	-	-	-	1	-	120	1	-	-	-	MOCK
ET19	1			X	Dishwasher	-	-	-	8.9	-	120	1	-	-	-	MOCK
ET20	1			X	10' Pipe Rack	-	-	-	-	-	-	-	-	-	-	
ET21	2			X	Car Charging Station	ChargePoint Home Flex	-	-	50	-	208/240	1	-	-	-	-

Casework Keynote Legend	
Key Value	Keynote Text
B13033	BASE CABINET 1 DWR 30Wx24Dx33H
B13433	BASE CABINET 1 DWR 34Wx24Dx33H
DW-1	DISH WASHER
W3030	WALL CABINET SOLID DOOR 30Wx12Dx30H
W3430	WALL CABINET SOLID DOOR 34Wx12Dx30H
W3618	WALL CABINET SOLID DOOR 36Wx12Dx18H
W3630	WALL CABINET SOLID DOOR 36Wx12Dx30H
W4230	WALL CABINET SOLID DOOR 42Wx12Dx30H



7 Level 1 - Electrical Tech
3/16" = 1'-0"

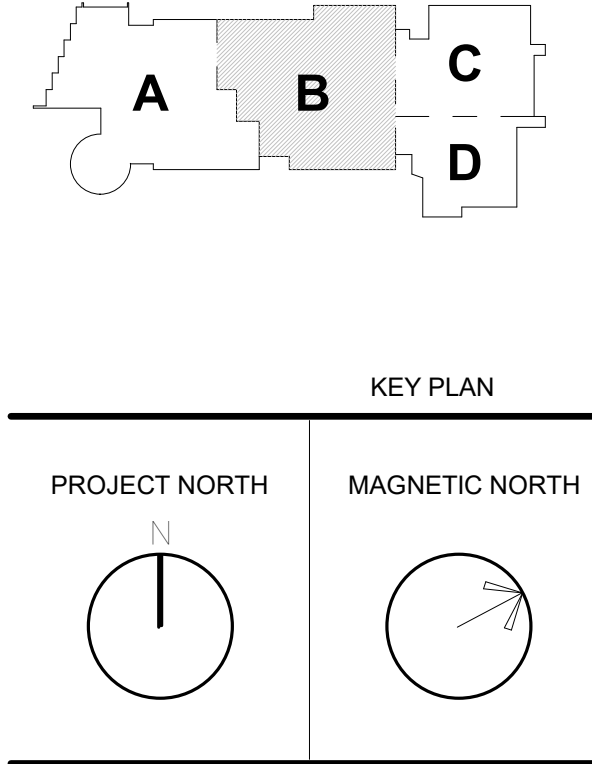
**Northeast
Metropolitan
Regional
Vocational High School**

Wakefield, MA 01880

NOTE: UNLESS OTHERWISE NOTED,
FURNITURE/EQUIPMENT IS FOR
REFERENCE/INFORMATION ONLY
AND IS NOT INCLUDED IN THIS
CONTRACT.

90% MSBA CD
SET

MAY 12, 2023

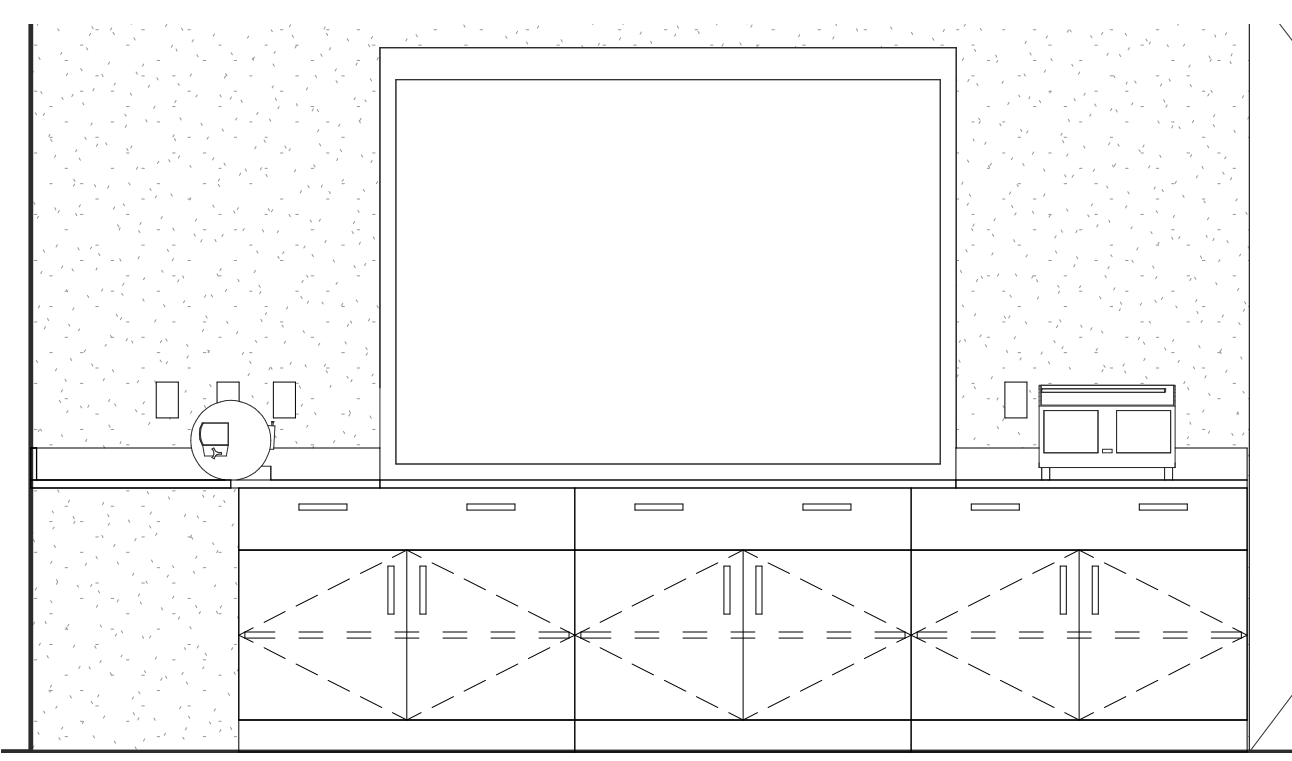


**ELECTRICAL
TECHNOLOGY
Casework &
Equipment**

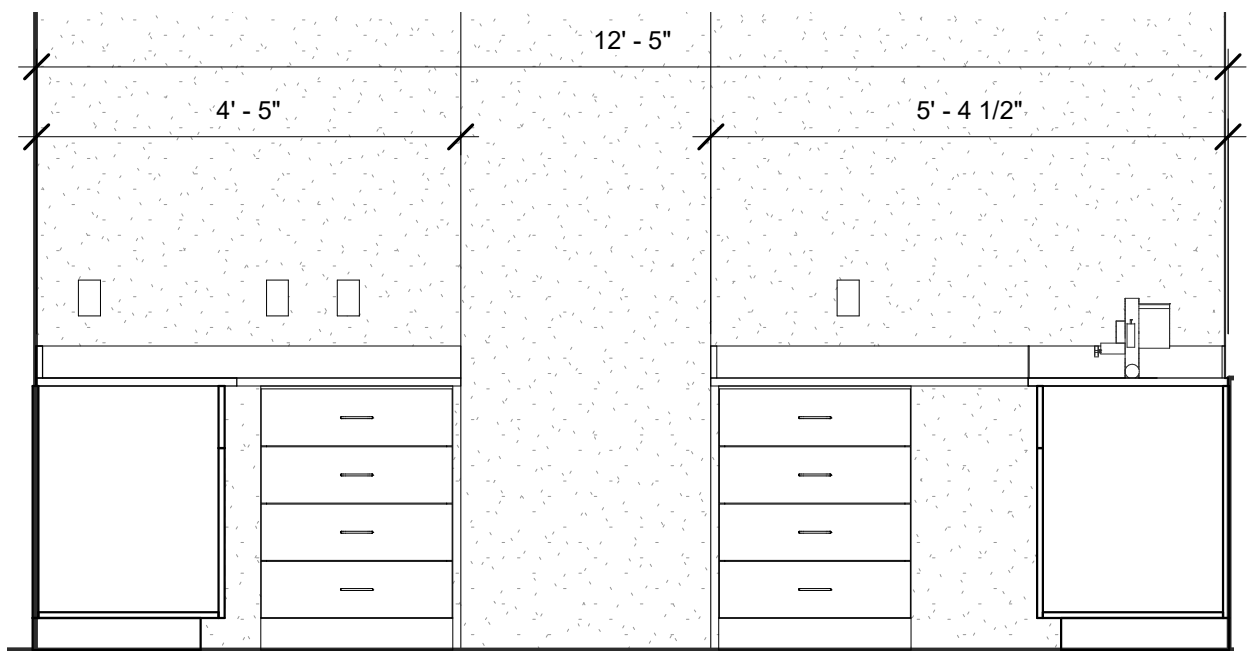
Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ2.7

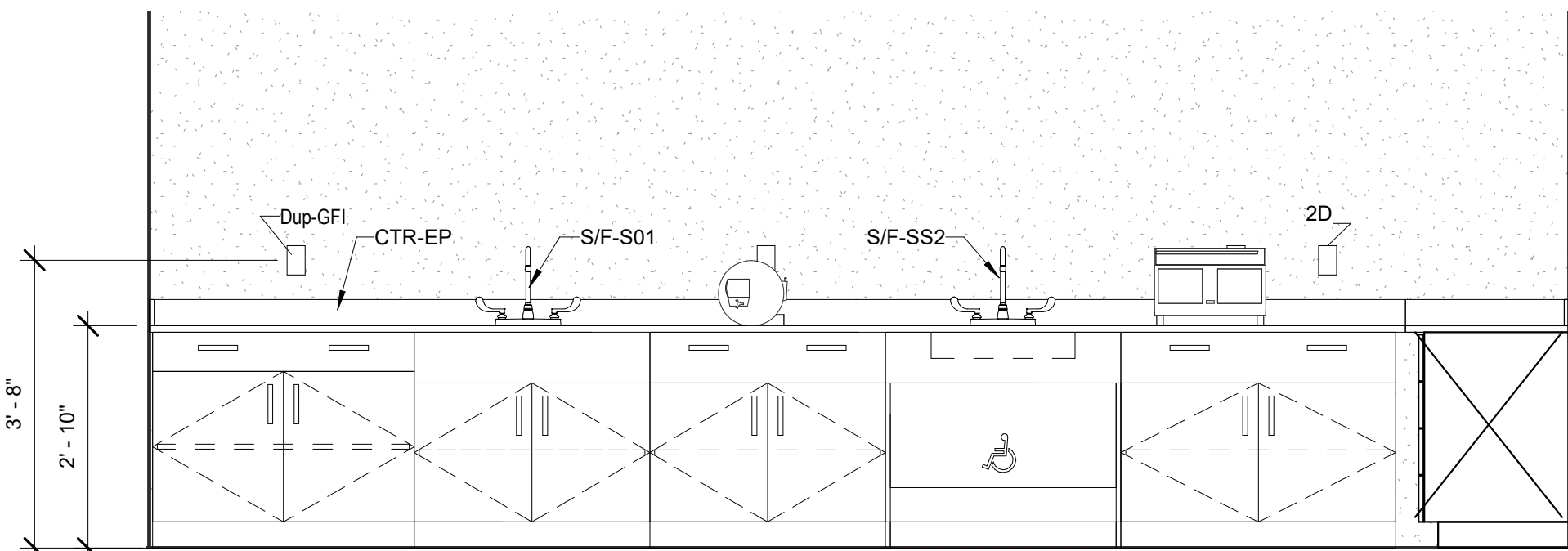
DENTAL - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRPTION	MAKE & MODEL	SIZE (DxWx H)	WT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DT01	1	X			MSDS	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT02	1	X			Washer	Maytag MVWP575GW1	-	-	6	-	120	1	-	Hot/Cold/Drain	-	-	EXISTING
DT03	1	X			Dryer	Maytag MEDP575GW1	-	-	23/24	-	120/208 120/240	1	Vent	-	-	4" Vent	EXISTING
DT04	1		X		X Ray Chair	A-DEC 311	-	-	15	-	120	-	-	-	-	-	NEW
DT05	2		X		Air Compressor	MIDMARK POWER VAC P72	-	-	29	4.8	208 - 230	1	15.9 cfm...	-	-	1" Fresh Air Intake	7-10 USERS
DT06	1		X		Amalgam Separator	Solmetex; NXT-HG5-HV	-	-	-	-	-	-	-	-	-	Connects to...	UP TO 20 CHAIRS
DT07	1		X		Vacuum Pump	MIDMARK POWER AIR G14...	-	-	40 (2x30)	6	230	1	-	2" Inlet, 1.5" Drain	-	-	14-20 USERS
DT08	2		X		Instrument Washer	HYDRIM G4	-	-	15	-	208	1	-	Hot/Cold/Drain	X	-	STERICENTER
DT09	16		X		Dental Chair w/Full Package	A-DEC 311,with 332,572,551,545	-	-	15	-	120	1	80-125psi	1.5 gpm	X	Vac-10"/- 2 in Hg - 9scfm(Wet) 4.5"/- 1 in Hg -12 scfm(Dry)	DELIVERY LIGHT, DENTAL LIGHT, ASSISTANTS INSTRUMENT - UV LIGHT
DT10	4			X	X Ray Chair	TBD	-	-	-	-	-	-	-	-	-	-	-
DT11	16			X	Dentists Stool	Adec	-	-	-	-	-	-	-	-	-	-	-
DT12	16			X	Assistant Stool	Adec	-	-	-	-	-	-	-	-	-	-	-
DT13	2			X	Xray Film Processor	PERI PRO III FILM PROCESSOR	-	-	5	-	115	1	-	-	-	-	1 - EXISTING
DT14	1			X	Panoramic X Ray	KAVO Orthopantomograph op...	-	-	10/15	-	120/220-240	1	-	-	X	-	NEW
DT15	1			X	Interoral X ray	KAVO FOCUS	-	-	7	-	115/230	1	-	-	X	-	NEW
DT17	2			X	Cassette Autoclave	Dri-Tec STATIM 2000 G4	-	-	11	-	110	1	-	-	X	-	STERICENTER - 1 EXISTING
DT18	2			X	Fullsize Autoclave	Midmark M11	-	-	12	-	115	1	-	-	X	-	STERICENTER - 1 EXISTING
DT19	2			X	Small Autoclave	Midmark M3 ULTRAFAST	-	-	12	-	115	1	-	-	X	-	STERICENTER - STATIM?
DT20	2			X	Ultrasonic Cleaner	BIOSONIC UC300	-	-	7	-	115	-	-	-	X	-	STERICENTER - 1 EXISTING
DT21	2			X	Handpiece Cleaner/Lubricator	StatMatic Maint Unit	-	-	30	-	120-230	1	4-6Bar - 58-87 PSI	-	-	-	STERICENTER
DT22	16			X	Amalgamator	Ultramat 2	-	-	1	-	110	1	-	-	-	-	NEW
DT23	4			X	Model Trimmer	RAY FOSTER MT10	-	-	10	0.5	115	1	-	Cold/Drain	-	Plumbing trap needed	NEW
DT24	4			X	Lab Handpiece	Rampower Digital 45 Set	-	-	2	-	110/230	1	-	-	-	-	MODEL MAKING
DT25	4			X	Dust Collectors	Porta Vac Dust Collectors Ben...	-	-	10	-	115	1	-	-	-	Self Contained	MODEL MAKING - GRANT?
DT26	2			X	Polishing Lathe	-	-	-	3.3	-	110	1	-	-	-	-	MODEL MAKING
DT27	2			X	Extraoral Filtration	Air Purifier	-	-	10	-	110-240	-	-	-	-	Self Contained	NEW - GRANT
DT28	2			X	Printer	-	-	-	10	-	110	-	-	-	X	-	TECHNOLOGY
DT29	18			X	Computers	-	-	-	10	-	110	-	-	-	X	-	TECHNOLOGY
DT30	4			X	Utility Carts	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT32	26			X	Dental Molds	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT33	2			X	Plaster Bins	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT34	1			X	Scale	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT35	1			X	BioHazard Disposal Unit	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT36	1			X	Coat/Jacket rack	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT37	1			X	Mannequin Storage	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT39	26			X	Skulls	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT40	26			X	Bins	-	-	-	-	-	-	-	-	-	-	-	GENERAL
DT41	12			X	Head Stands	CHAIR MOUNTS	-	-	-	-	-	-	-	-	-	-	GENERAL
DT42	1			X	Cerec Milling Unit...	-	-	-	3.5	-	100-240	-	AIR REQ	WATER/DRAIN	X	-	FUTURE



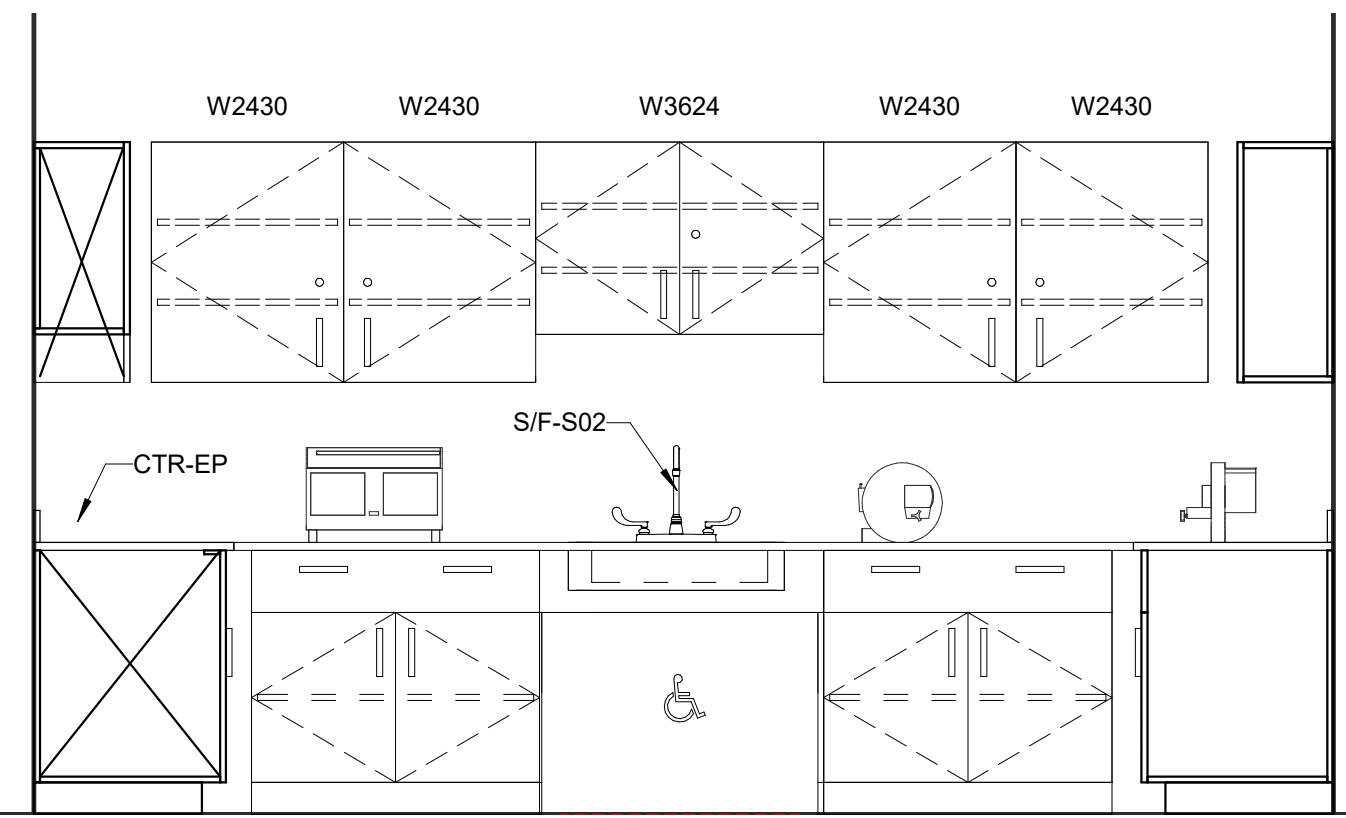
② A402B - Model Making, North
1/2" = 1'-0"



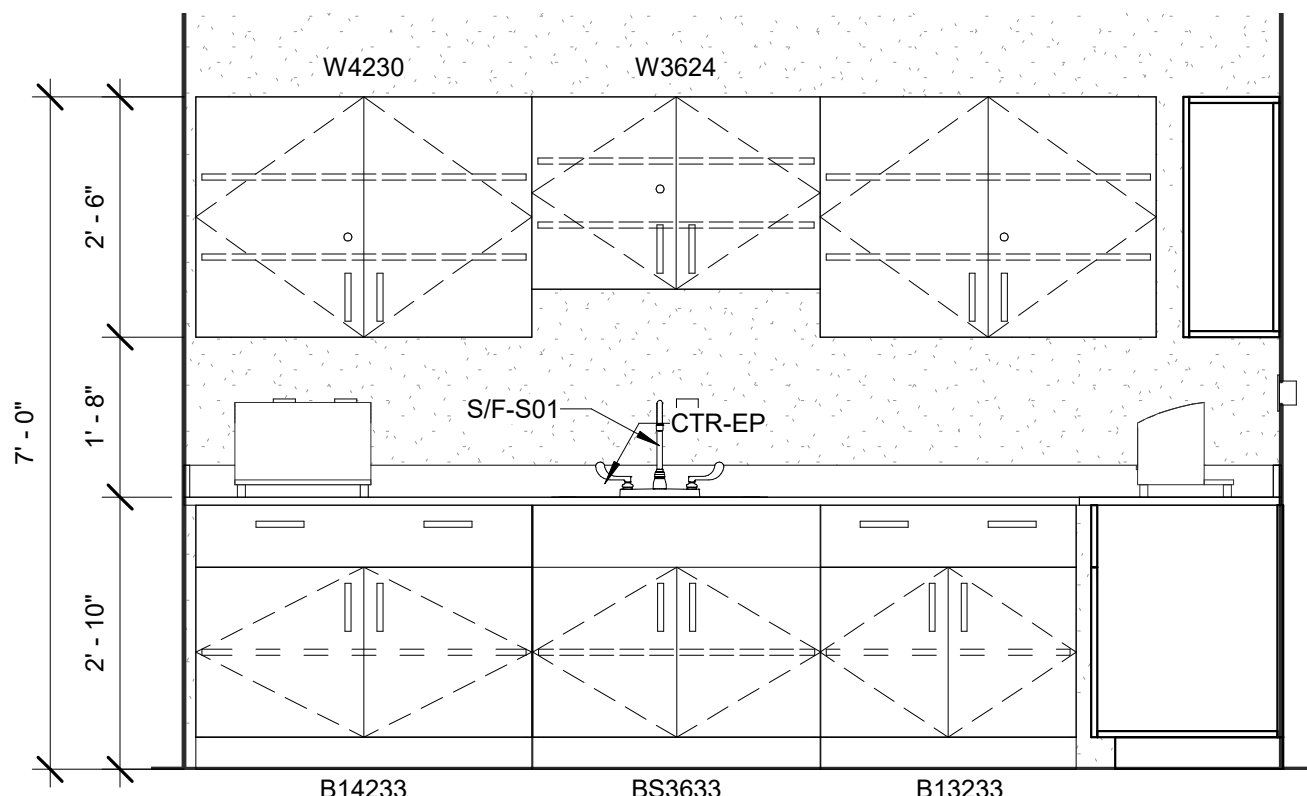
③ A402B - Model Making, West
1/2" = 1'-0"



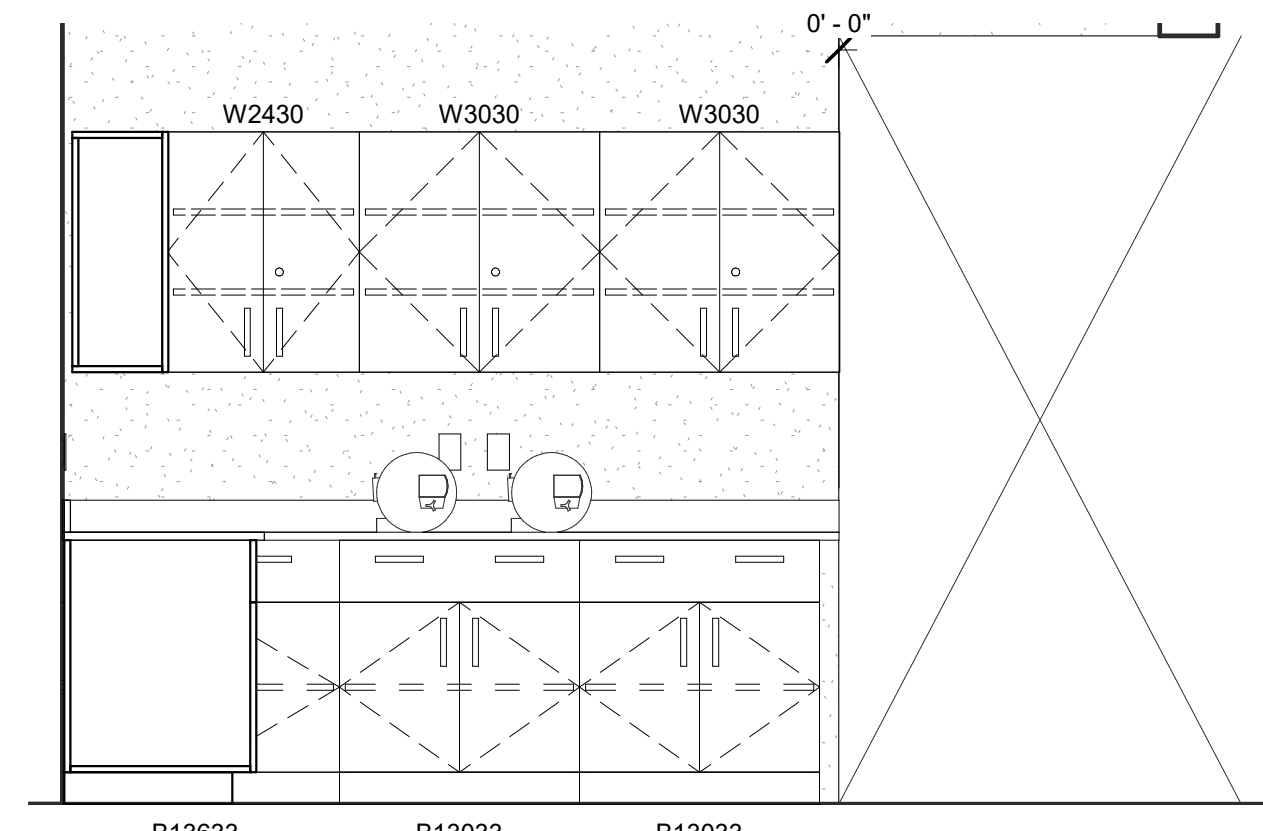
④ A402B - Model Making, South
1/2" = 1'-0"



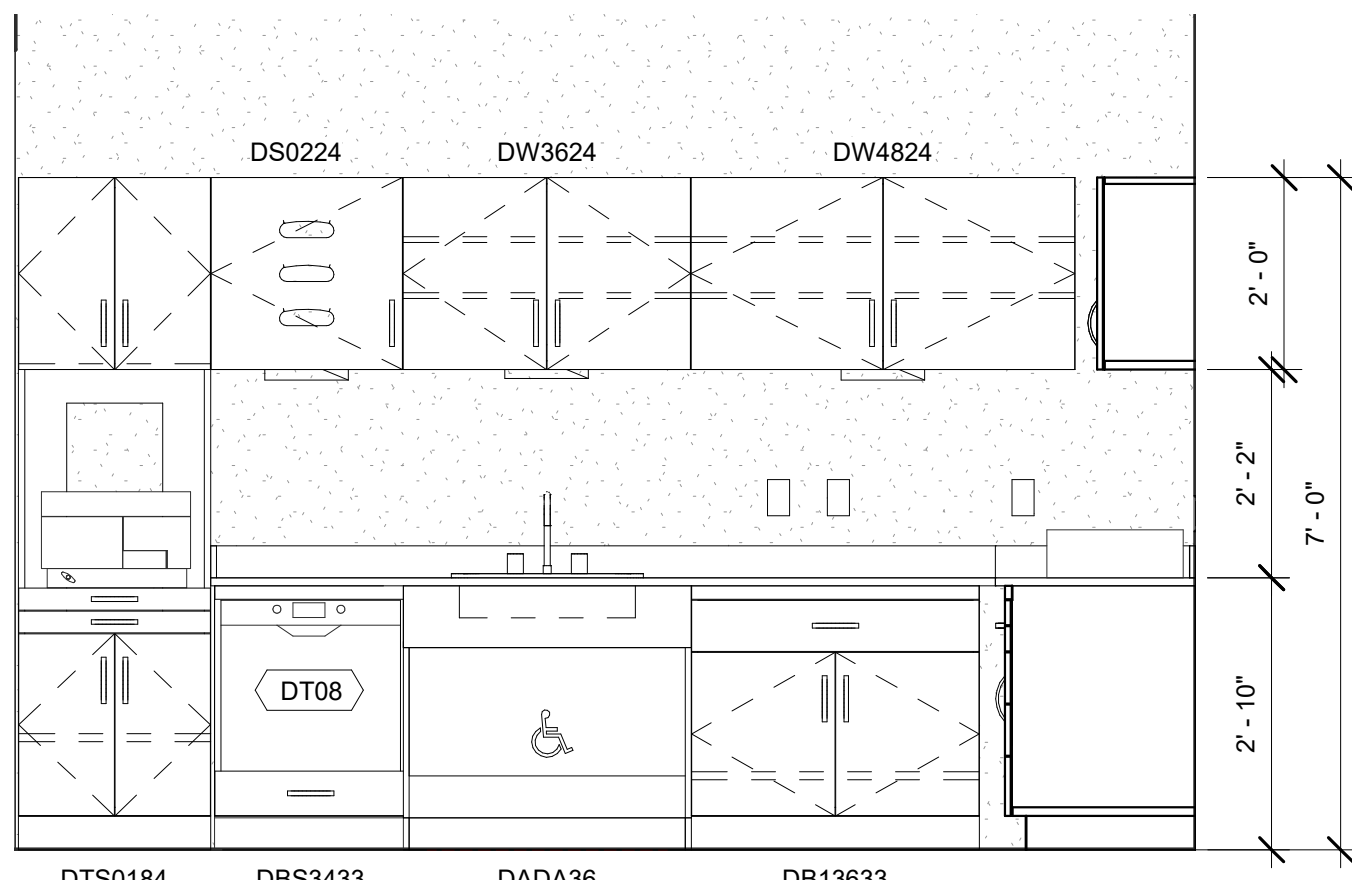
⑤ A402P - Model Making, South
1/2" = 1'-0"



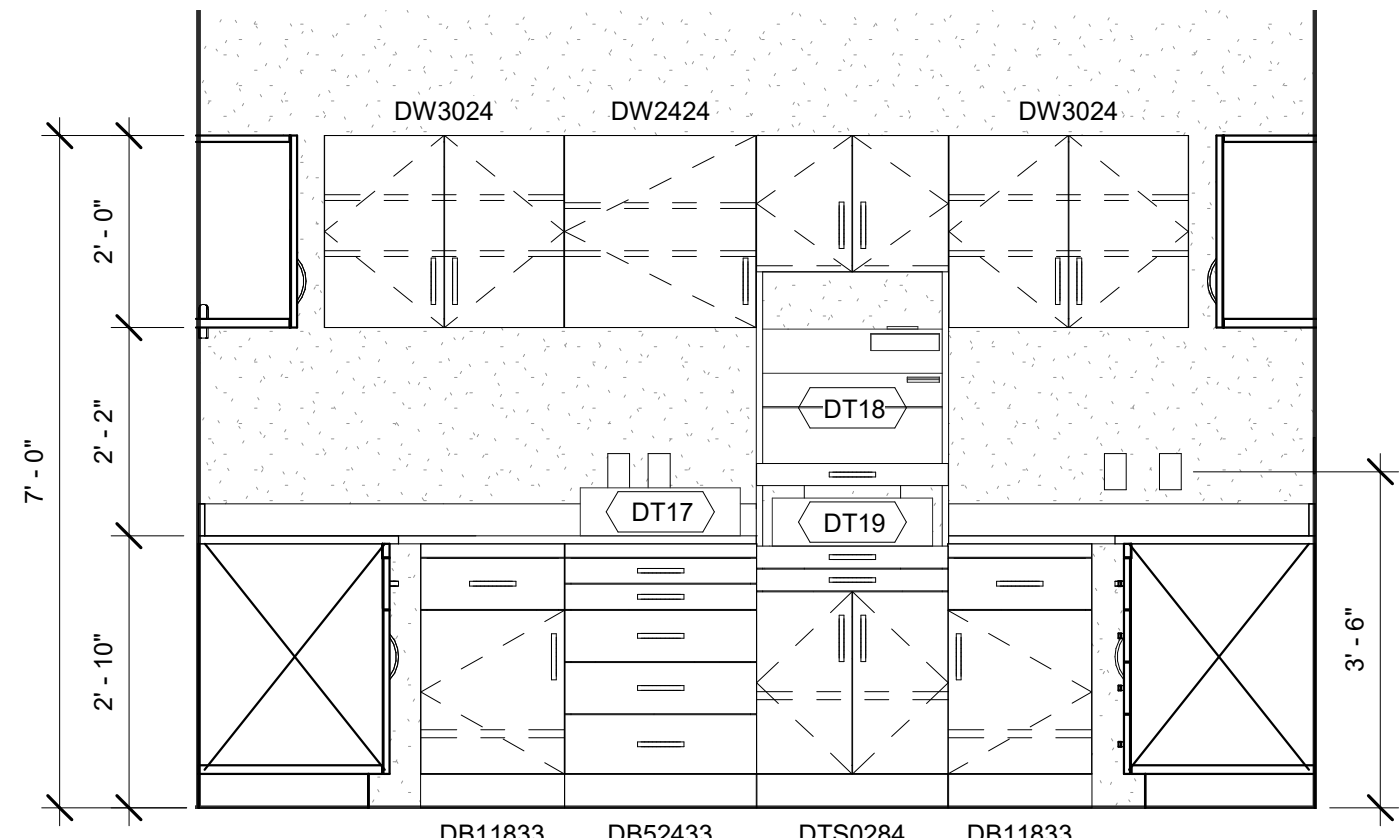
⑥ A402P - Model Making, East
1/2" = 1'-0"



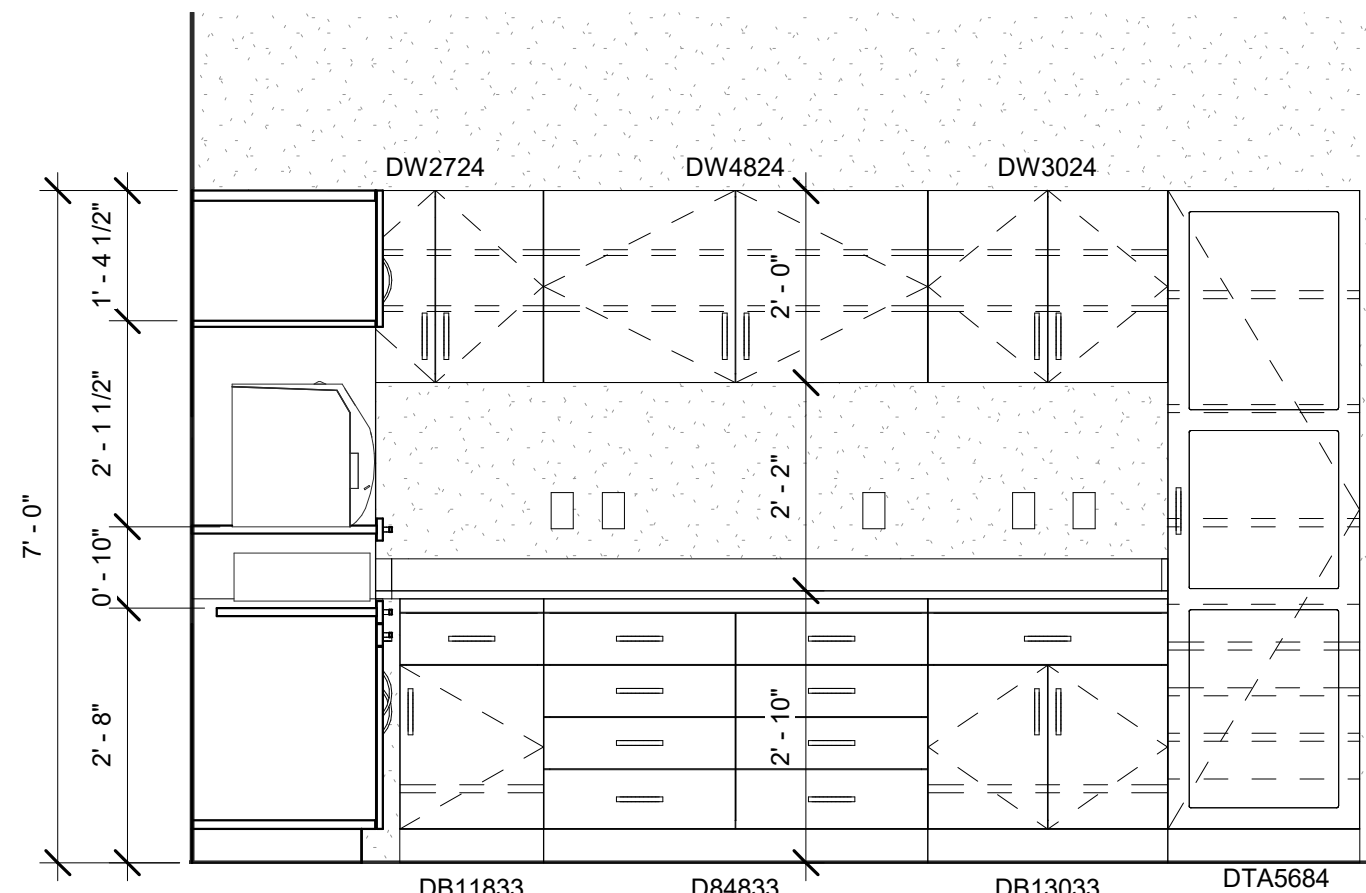
⑦ A402P - Model Making, West
1/2" = 1'-0"



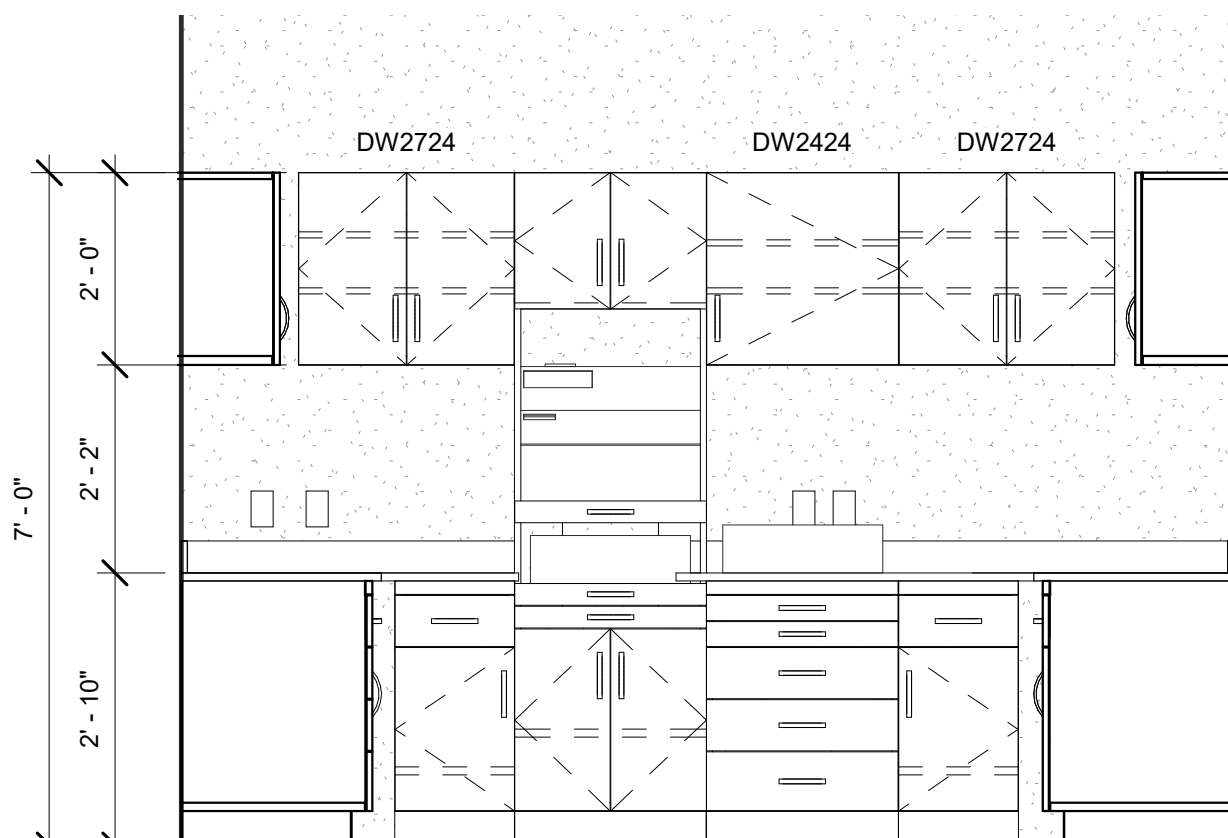
⑧ A402D - Steralization, East
1/2" = 1'-0"



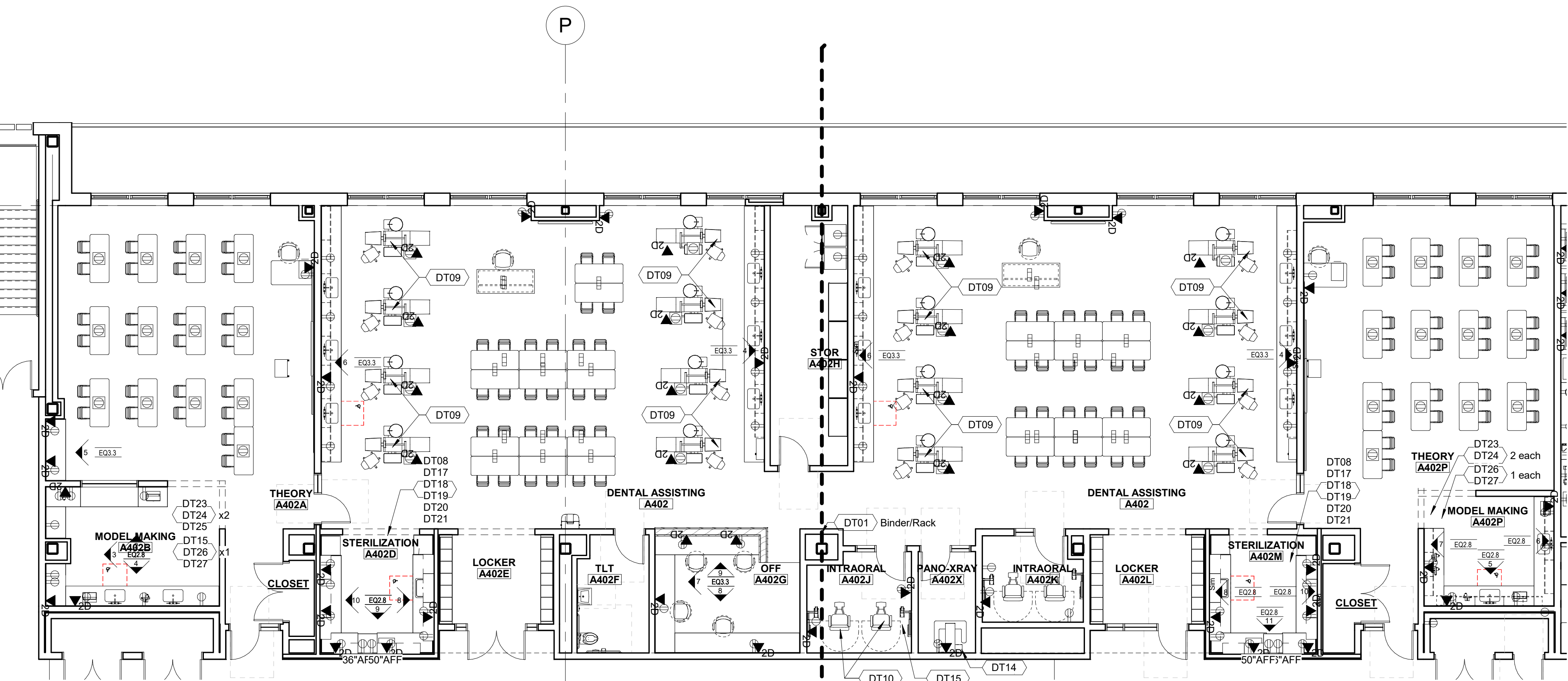
⑨ A402D - Steralization, South
1/2" = 1'-0"



⑩ A402D - Steralization, West
1/2" = 1'-0"



⑪ A402M - Steralization, South
1/2" = 1'-0"



① Level 4 - Dental
1/8" = 1'-0"

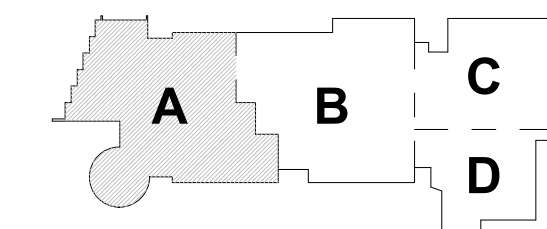
Casework Keynote Legend	
Key Value	Keynote Text
B13033	BASE CABINET 1 DWR 30Wx24Dx33H
B13233	BASE CABINET 1 DWR 32Wx24Dx33H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
B14033	BASE CABINET 1 DWR 40Wx24Dx33H
B14233	BASE CABINET 1 DWR 42Wx24Dx33H
BS3633	BASE SINK 36Wx24Dx33H
CTR-EP	COUNTERTOP EPOXY RESIN
DADA36	ADA SINK BASE 36Wx24Dx33H
DB11533	BASE CABINET 1 DWR 15Wx24Dx33H
DB11833	BASE CABINET 1 DWR 18Wx24Dx33H
DB13033	BASE CABINET 1 DWR 30Wx24Dx33H
DB13633	BASE CABINET 1 DWR 36Wx24Dx33H
DB52433	BASE CABINET 5 DWRs 24Wx24Dx33H
DBS3433	BASE CABINET 24Wx24Dx33J OPEN FRAME, (1) 4" PULL OUT DRAWER
DS0224	WALL CABINET 24Wx14Dx84H SPECIALTY GLOVE/CUP/TOWEL DISPENSER, (3) POSITIONS
DTA5684	TALL STORAGE 24Wx24Dx84H GLASS DOOR, (4) 4" TUB DRAWERS, (3) ADJ. SHELVES
DW2424	WALL CABINET SOLID DOOR 24Wx14Dx24H
DW2724	WALL CABINET SOLID DOOR 27Wx14Dx24H
DW3024	WALL CABINET SOLID DOOR 30Wx14Dx24H
DW3624	WALL CABINET SOLID DOOR 36Wx14Dx24H
DW4824	WALL CABINET SOLID DOOR 48Wx14Dx24H
S/F-S01	SINK/FIXTURES EPOXY RESIN ADA DROP-IN SINK, 25"x15"x5", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12, FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
S/F-S02	SINK/FIXTURES EPOXY RESIN ADA DROP-IN SINK, 25"x15"x5", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12, FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
S/F-SS2	SINK/FIXTURES STAINLESS STEEL SINK 18x30x5 AND FAUCETS FURNISHED BY DIV 12, INSTALLED BY DIV 22
W2430	WALL CABINET SOLID DOOR 24Wx12Dx30H
W3030	WALL CABINET SOLID DOOR 30Wx12Dx30H
W3624	WALL CABINET SOLID DOOR 36Wx12Dx24H
W4230	WALL CABINET SOLID DOOR 42Wx12Dx30H

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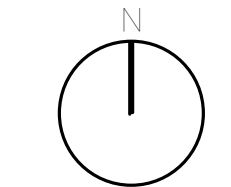
90% MSBA CD SET

MAY 12, 2023

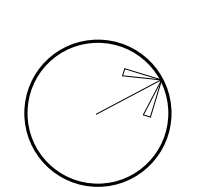


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



DENTAL ASSISTING Casework & Equipment

Scale: As indicated

Job No.: 20202

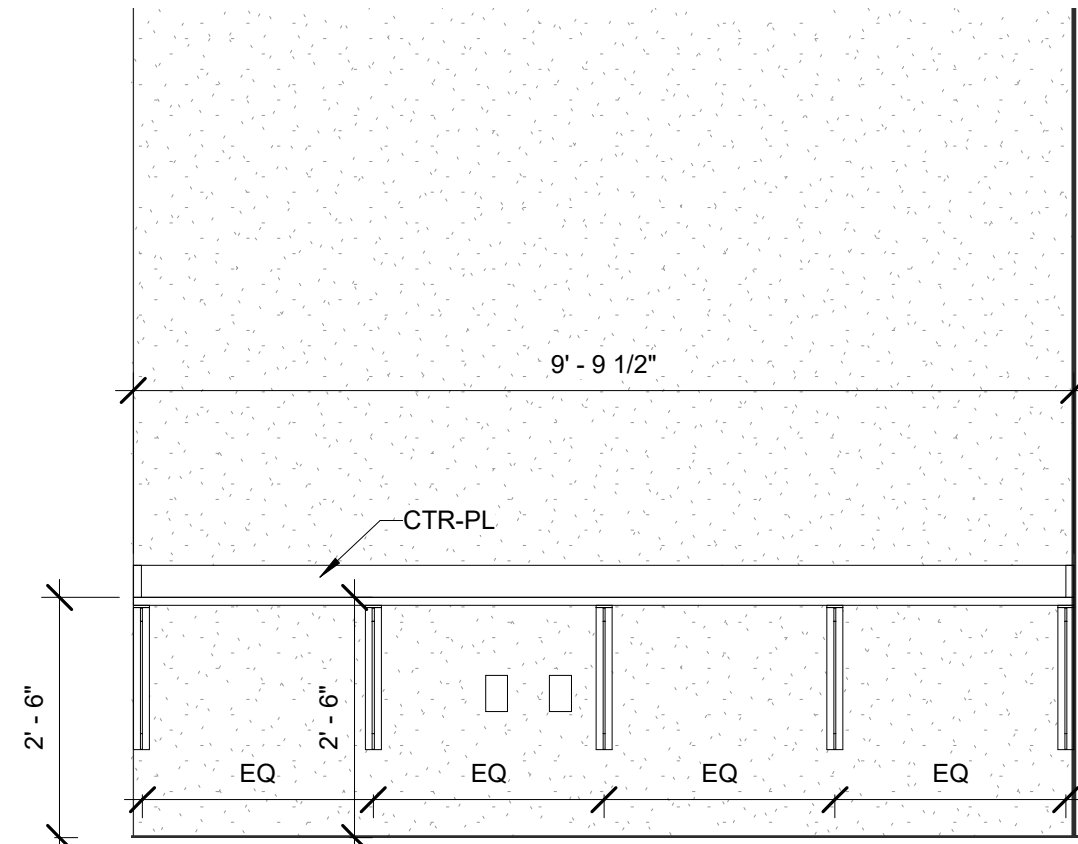
Drawn By: DRA

Date: MAY 12, 2023

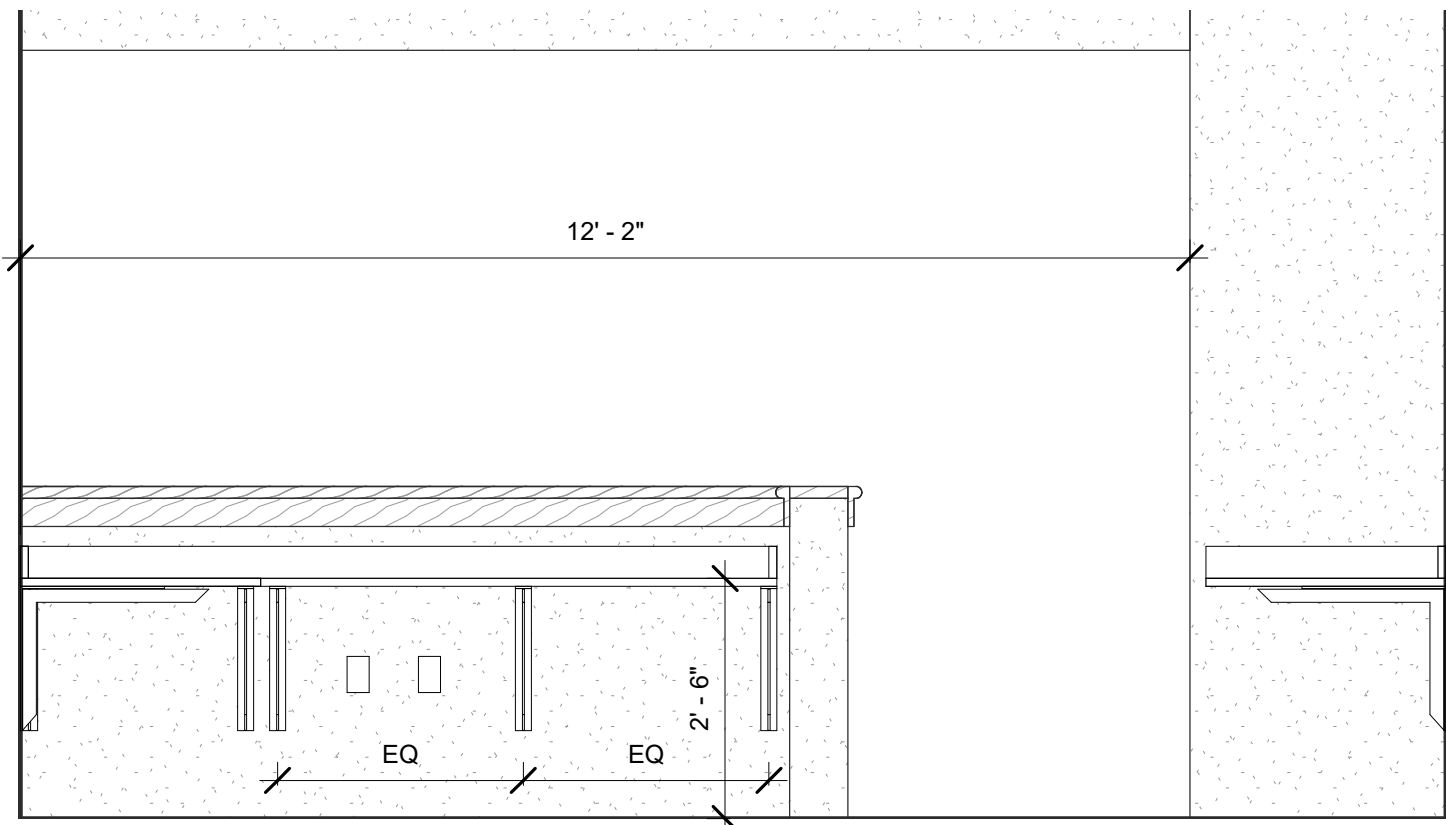
EQ2.8

ROBOTICS - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEI GHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
RB02	1			X	Mechatronics Trainer	SMC MAS200	-	-	15	-	120	1	X	-	-		EXISTING
RB03	2			X	Industrial Arm Robot	FANUC	49x30(folded)62 open	-	15	-	120	1		-	X	Step Down...	EXISTING 1 CART/ 1...
RB04	1			X	Delta Robot	FANUC M-1IA	28x20	-	15	-	120	1		-	X	Step Down...	EXISTING
RB05	1			X	Educational Robot w/Controller and Gripper	YASKAWA MHJF STEM...	40x32	-	15	-	120	1		-	X	-	EXISTING - CONFIRM
RB06	6			X	Portable Cobot Robotic Arm	UNIVERSAL UR3	-	-	15	-	100-240	1	X	-	X	-	TBD
RB07	1			X	Water Jet Cutter	OMAX PROTOMAX	-	-	30	5	240	-	-	45-85psi...	X	Tank or Drain	NEW
RB08	1			X	Band Saw	JET JWBS-14DXPRO	-	-	3	1	115/230	1	-	-	-	4" Dust Port	NEW
RB09	1			X	Drill Press	JET JDP-17	-	-	6.8	3/4	115	1	-	-	-	-	NEW
RB10	1			X	Scroll Saw w/Foot Pedal	JET JWSS-22B	-	-	1.3	-	120	1	-	-	-	2" Dust Port	NEW
RB11	1			X	Belt/Disc Sander	JET JSG-6CS	-	-	12	1.5	115/230	1	-	-	-	4" Dust Port	NEW
RB12	1			X	Grinder	/JET WIL57172	-	-	-	3/4	115	1	-	-	-	-	NEW
RB13	1			X	ShopVac w/HEPA Filter	DEWALT	-	-	15	-	115	1	-	-	-	155 CFM	NEW
RB14	1			X	CNC Cart	LEVIL WL-400	-	-	15	2	110	1	x	-	X	-	EXISTING
RB17	4			X	3d Printers	PRUSA	-	-	2	-	110	1	-	-	x	-	EXISTING
RB18	1			X	Training Boards	SMC	-	-	10	-	110	-	X	-	-	-	EXISTING
RB19	4			X	Trainers	Amatrol	-	-	13	-	110	-	-	-	-	-	EXISTING
RB20	48			X	Workbenches w/Storage	-	-	-	-	-	-	-	-	-	-	-	New
RB21	2			X	Wire Spool Rack	-	-	-	-	-	-	-	-	-	-	-	NEW
RB22	9			X	Tall Metal Storage	-	-	-	-	-	-	-	-	-	-	-	EXISTING/NEW
RB23	2			X	Flammable Cabinets	-	-	-	-	-	-	-	-	-	-	-	EXISTING/NEW
RB24	24			X	Soldering Stations	Weller WE551	-	-	15	-	120	1	-	-	-	-	EXISTING
RB25	3			X	Rolling Tool Carts	Snap-On	-	-	-	-	-	-	-	-	-	-	EXISTING

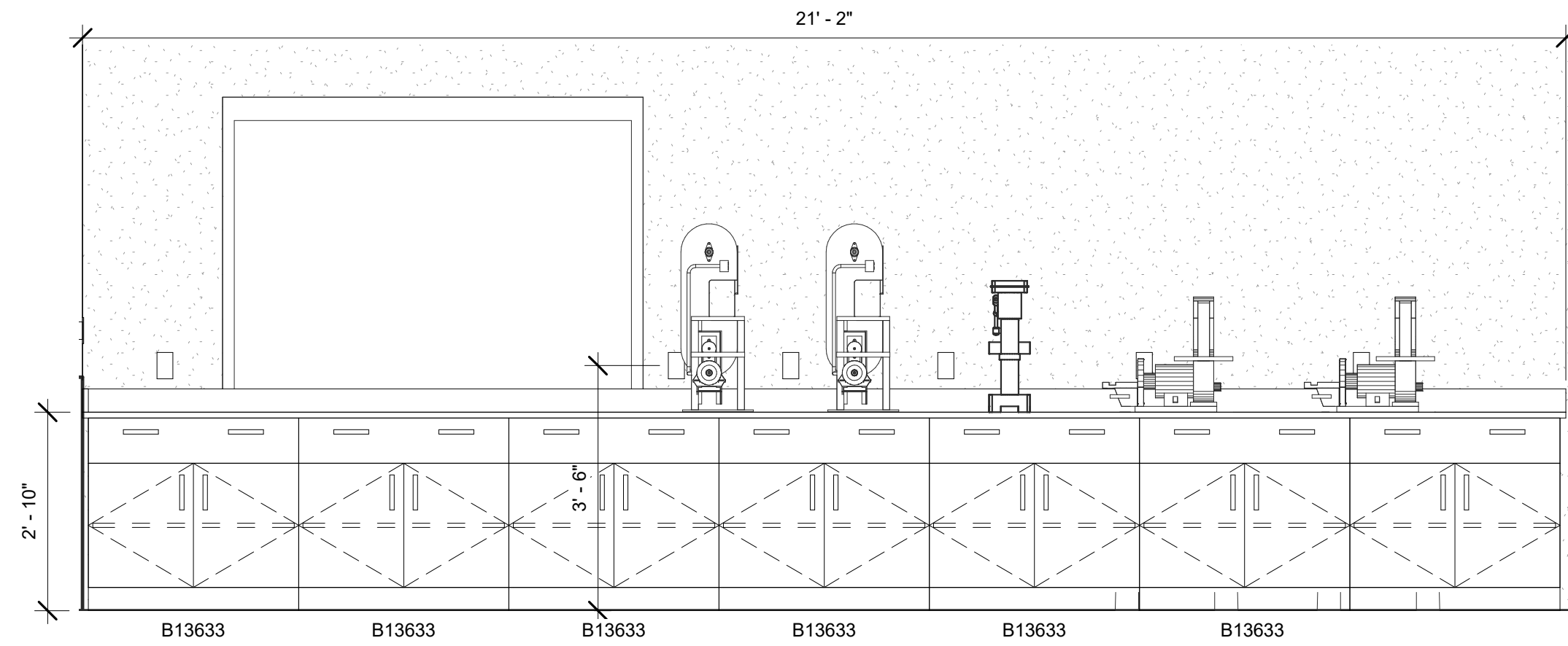
Casework Keynote Legend	
Key Value	Keynote Text
B13033	BASE CABINET 1 DWR 30Wx24Dx33H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
CTR-PL	COUNTERTOP PLASTIC LAMINATE



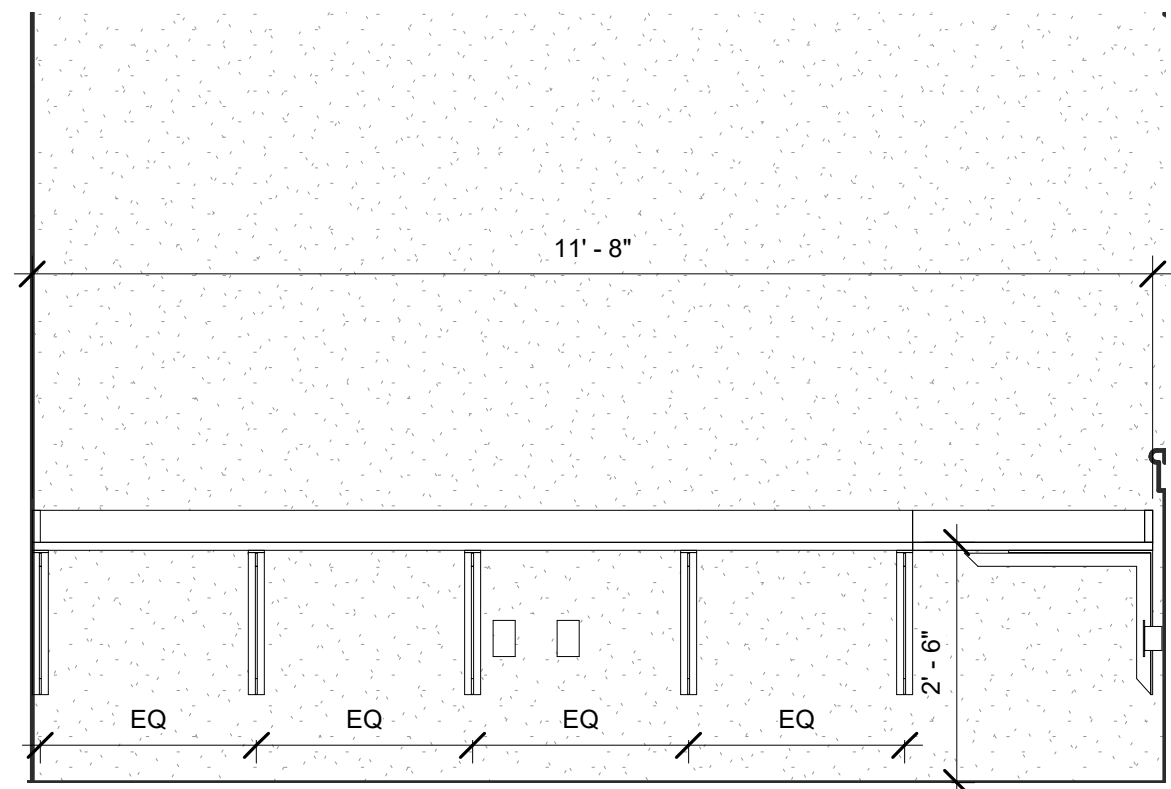
1 B369- Robotics- Office- East
1/2" = 1'-0"



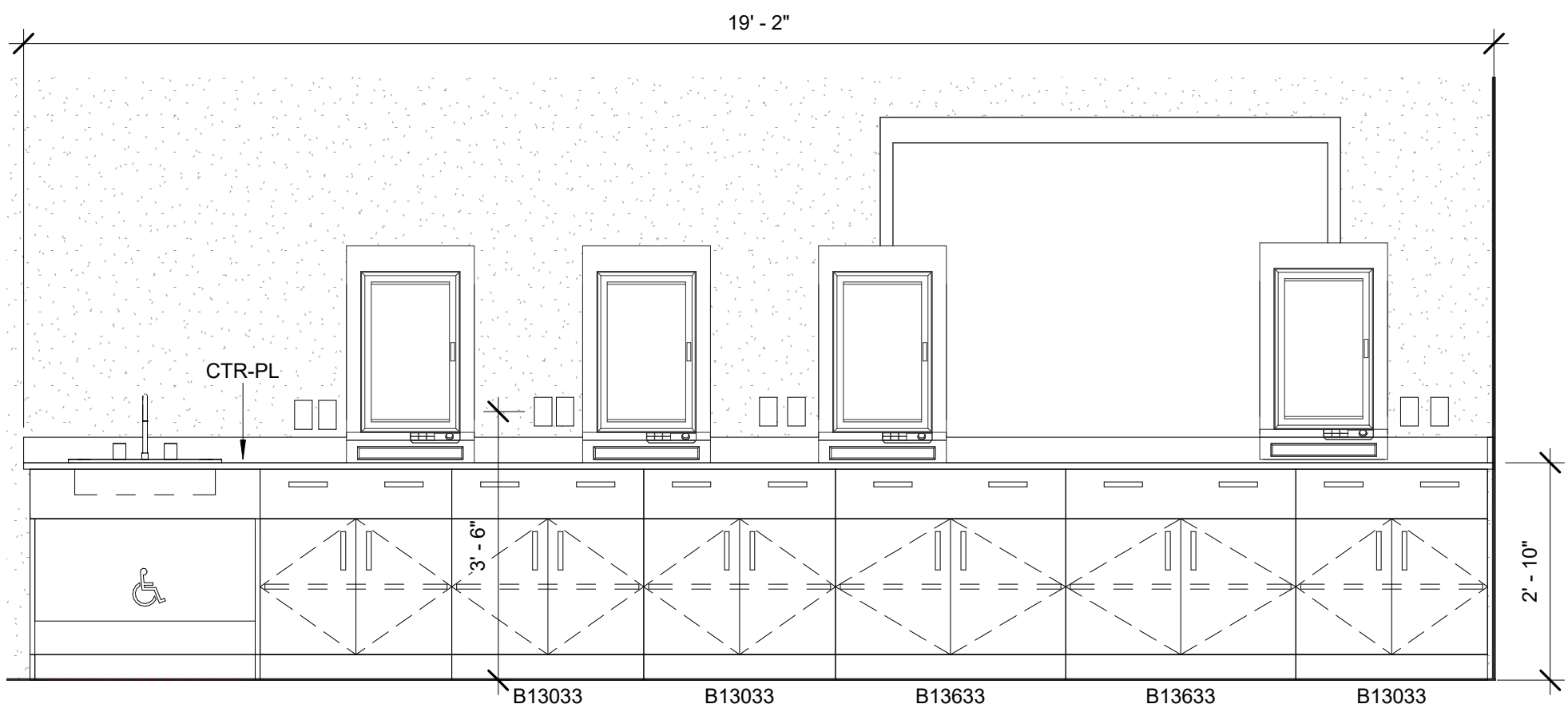
2 B369- Robotics- Office- North
1/2" = 1'-0"



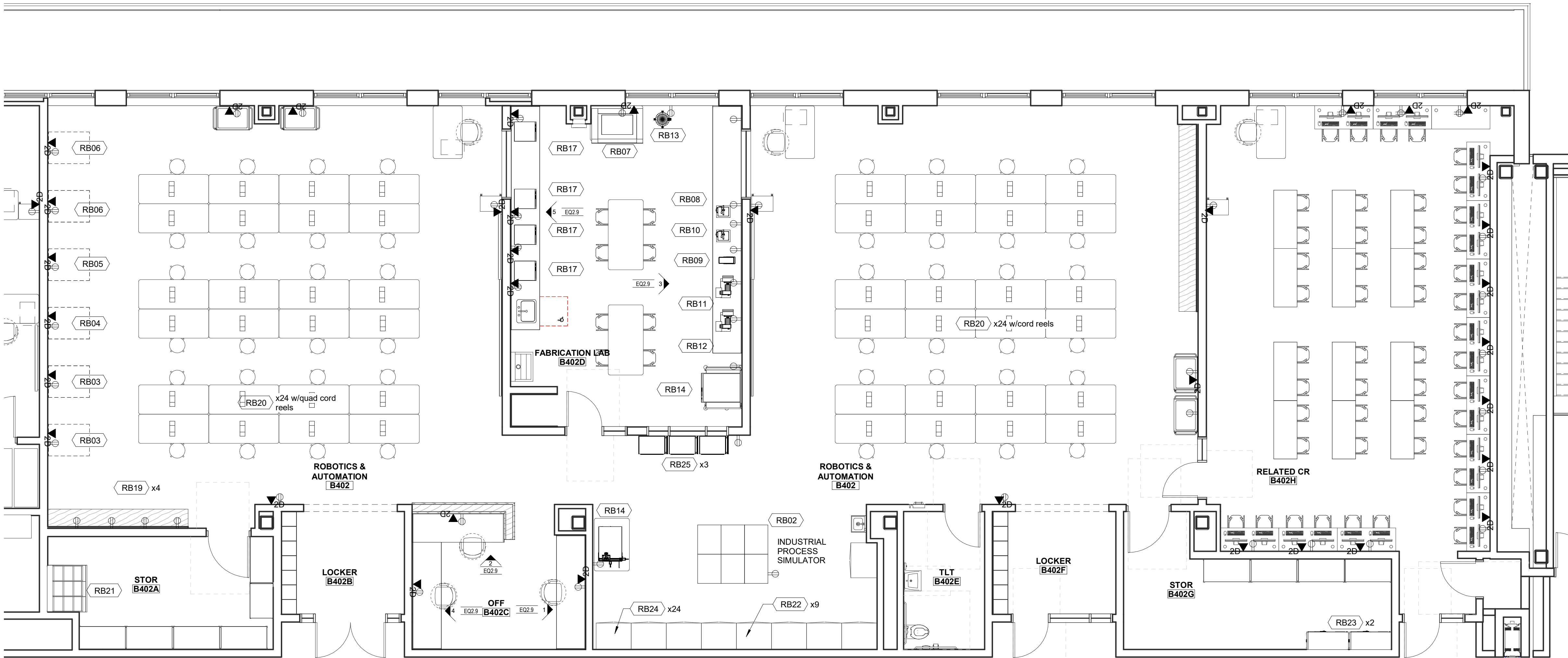
3 B368- Fabrication Lab- East
1/2" = 1'-0"



4 B369- Robotics- Office- West
1/2" = 1'-0"



5 B368- Fabrication Lab- West
1/2" = 1'-0"



DVC - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DV01	1		X		Large Digital Press	HP Indigo 3600	-	5800+	25	-	400	3	X	-	X	-	EXISTING
DV01A	1		X		3PH TRANSFORMER	DONGAN	-	-	36	-	208/240/480	3	-	-	-	SEE DV01	EXISTING
DV02	1		X		Chiller	Lauda Ultracool	-	-	42.4	2.3-1.34	208/230	3	-	80 PSIG	X	COMPRESSOR/PUMP/FAN	EXISTING
DV03	1		X		Large Compressor	The Jenny K1C-30C	38x33x16	-	10.6/5.3	1	115/230	1	-	-	-	-	EXISTING
DV04	1		X		Parts Washer	Black Bull 20G	30 x22x35	-	0.5	0	120	1	-	-	-	-	EXISTING
DV05	1		X		Paper Cutter	Prism	82x81	-	18.6	-	220	3	-	-	X	-	NEW/SMALLER
DV07	8			X	Photo Lighting	Impact	-	-	12.5	-	120	1	-	-	-	-	EXISTING
DV15	80			X	Flat Files/Layout Space	Casework	-	-	-	-	-	-	-	-	-	-	CASEWORK
DV16	1			X	Small HP Printer	HP	-	-	7.5	-	120	1	-	-	X	TECHNOLOGY	LEASE?
DV17	1			X	Small Xerox	c400	-	-	10	-	120	1	-	-	X	TECHNOLOGY	LEASE?
DV18	1			X	Canon MFP	Imagerunner Advance	-	-	9.5	-	120	1	-	-	X	TECHNOLOGY	LEASE?
DV19	1		X		Rotary Numbering Machine	Standard SRN-9X	53 x 31 x 42	-	9.5	-	210	1	-	-	-	-	NEW- REPLACE/SMALLER
DV20	3			X	Comb Binding Machine	CombMac EX	-	-	5	-	115	1	-	-	-	-	EXISTING
DV21	1			X	Hole Punch	Challenge JF	42x32x60	-	5.3	1/4	115	1	-	-	-	-	EXISTING
DV22	1			X	Wire Stitcher	Interlake S3A	32x24x54	-	6.4	1/3	115	1	-	-	-	-	EXISTING
DV23	1			X	Paper Folder	Baum 714 XE	43x23	-	11	-	115	1	-	-	-	-	NEW- REPLACE/SMALLER
DV24	1			X	Small laminator	GBC Ultima 35	-	-	7	-	120	1	-	-	-	-	EXISTING
DV25	1			X	Printer	Konica Minolta AccurioPress...	-	-	24	-	208-240	1	-	-	X	TECHNOLOGY	Replace with Cannon - Confirm/LEASE
DV25A	1			X	Feeder	KM PF-707M	-	-	10	-	220-240	1	-	-	-	Accessory to DV25	Replace with Cannon - Confirm/LEASE
DV25B	1			X	Power Conditioner	ESP - XG-PCS200 RIC	-	-	20	-	120	1	-	-	-	Accessory to DV25	Replace with Cannon - Confirm/LEASE
DV26	1			X	Envelope Press	OKI pro900DP	-	-	10	-	110-127	1	-	-	X	-	EXISTING
DV26A	1			X	Envelope Press Delivery Tray	Ok	-	-	1	-	110	1	-	-	-	Accessory to DV26	EXISTING
DV26B	1			X	Envelope Feeder	Ok	-	-	3	-	120	1	-	-	-	Accessory to DV26	EXISTING
DV28	1			X	Roland Large Format Printer	Roland VersaCamm VS-540	-	-	7.9	-	100-120	1	-	-	X	-	EXISTING
DV29	1			X	Vinyl Cutter	Graphtec CE55000-600	-	-	2	-	100-240	1	-	-	X	-	EXISTING/NEW
DV30	1			X	Photo Printer	Epson	-	-	1	-	120	1	-	-	X	-	EXISTING
DV31	1			X	Light Table	-	27x30	-	1	-	115	1	-	-	-	-	NEW
DV32	2			X	11x17 Printer	-	-	-	12	-	120	1	-	-	X	TECHNOLOGY	NEW
DV33	1			X	DTG Printer	-	-	-	15.0	-	110-240	1	-	-	X	TECHNOLOGY	NEW
DV34	1			X	Padding Press	-	-	-	-	-	-	-	-	-	-	-	NEW - Adhesive based - 2part v 4 part
DV35	1			X	Roll Rack	-	-	-	-	-	-	-	-	-	-	-	EXISTING
DV36	1			X	Paper Rack	-	-	-	-	-	-	-	-	-	-	-	EXISTING

Casework Keynote Legend	
Key Value	Keynote Text
B11829	BASE CABINET 1 DWR 18Wx24Dx29H
B13029	BASE CABINET 1 DWR 30Wx24Dx29H
B23633	BASE CABINET 0 DWR 36Wx30Dx33H
CTR-PL	COUNTERTOP PLASTIC LAMINATE

DRA

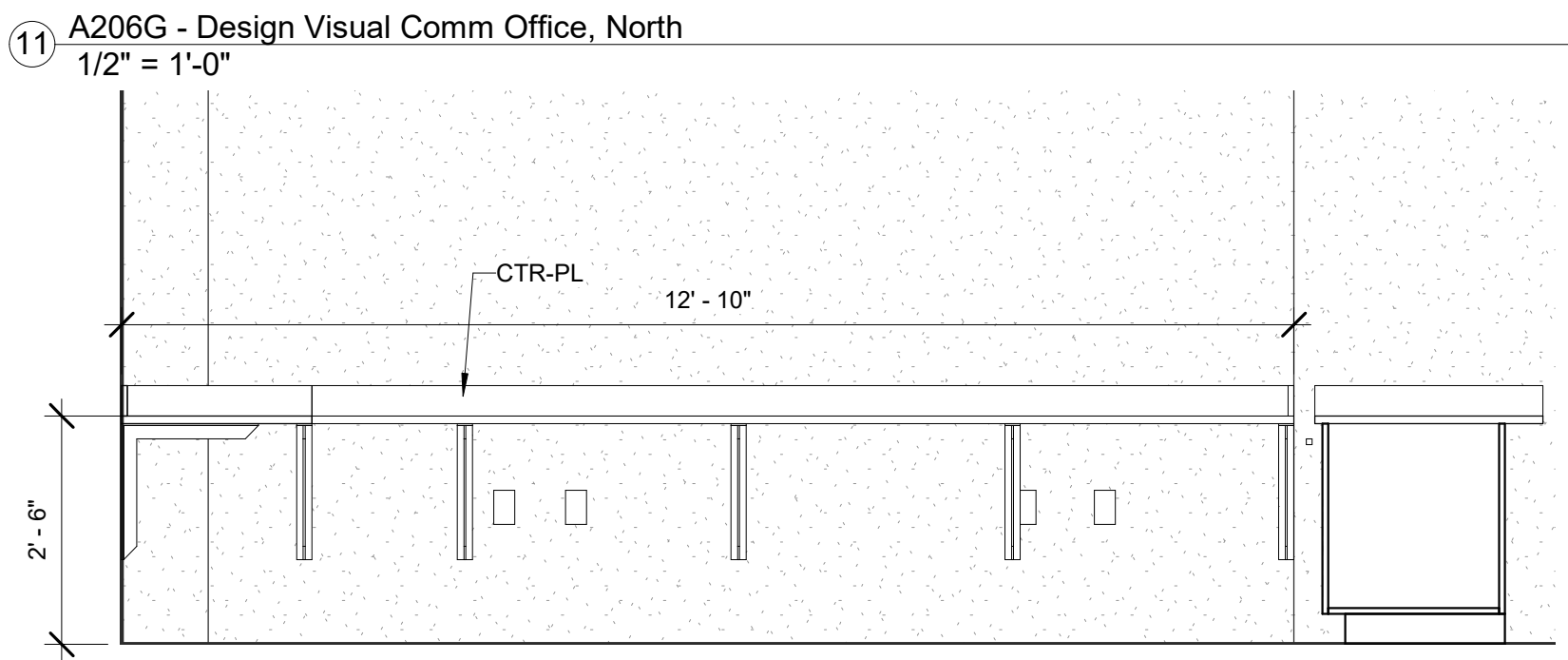
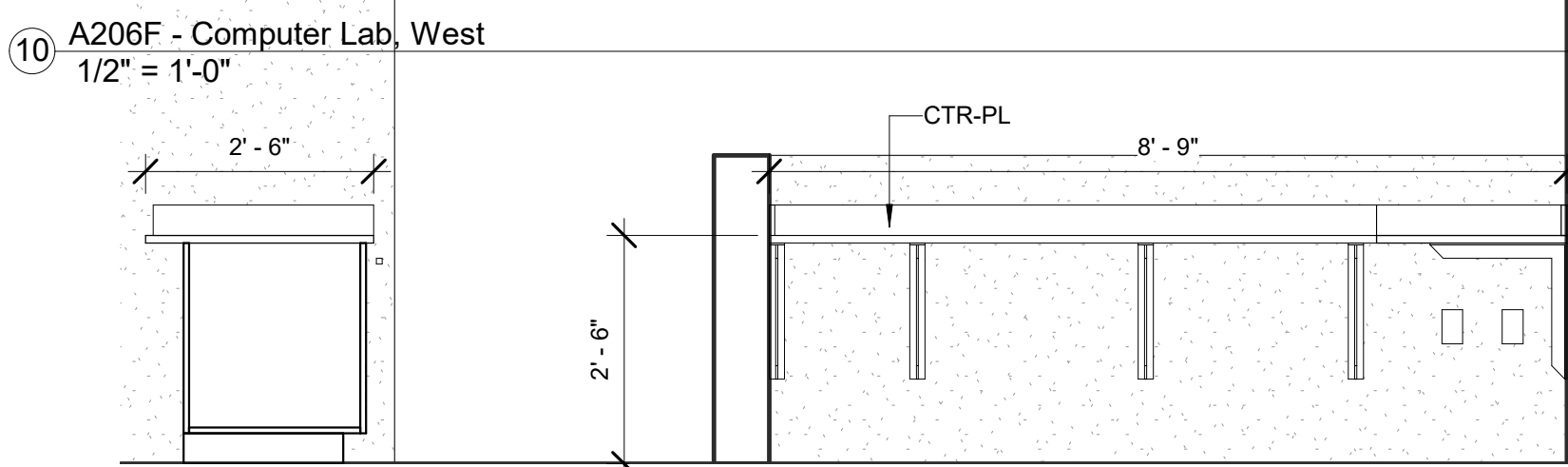
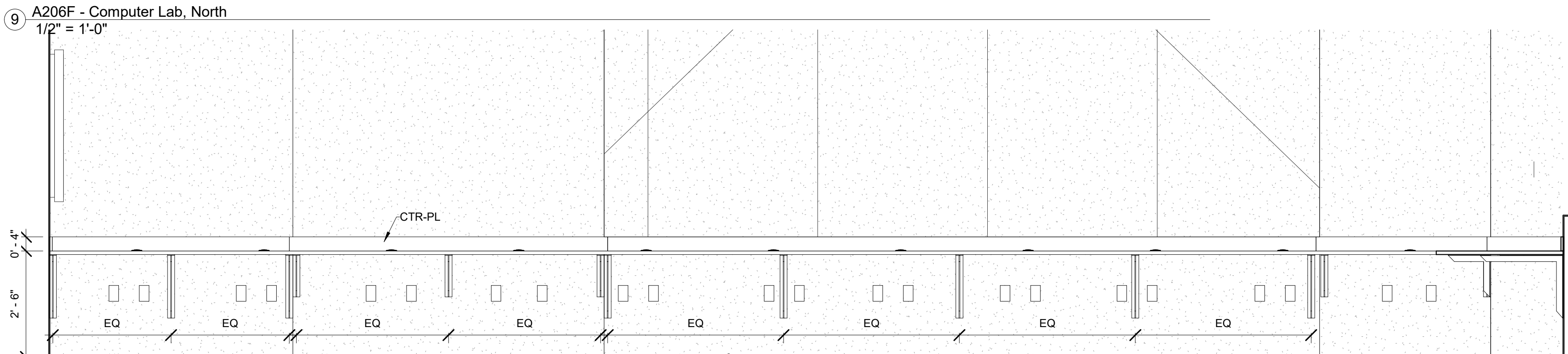
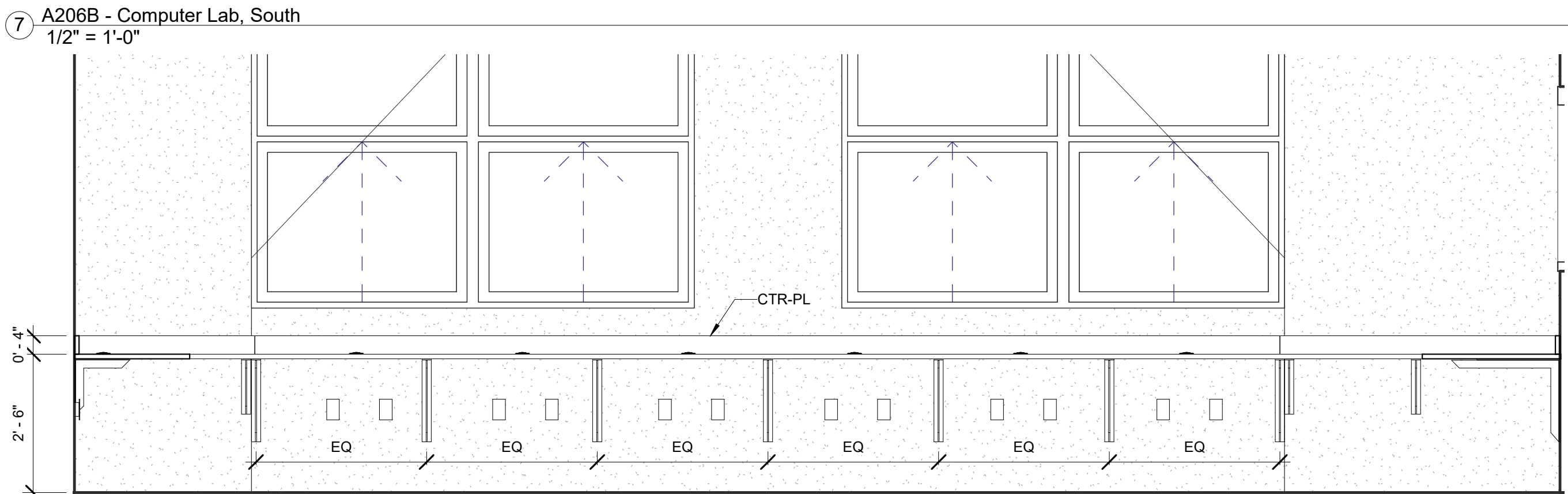
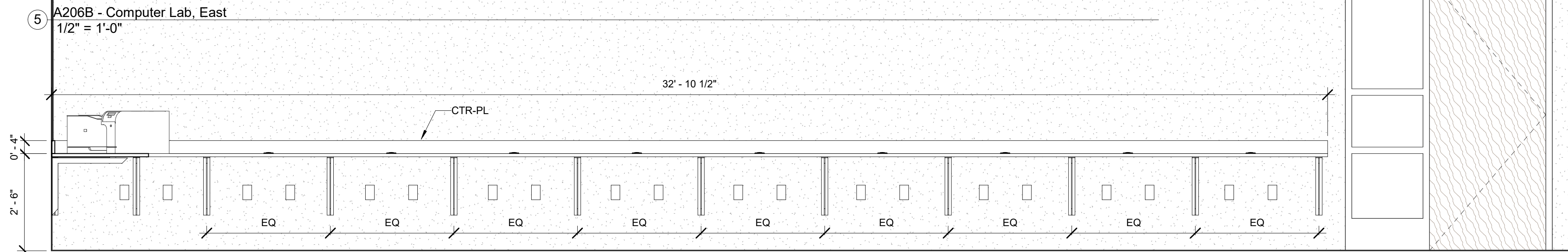
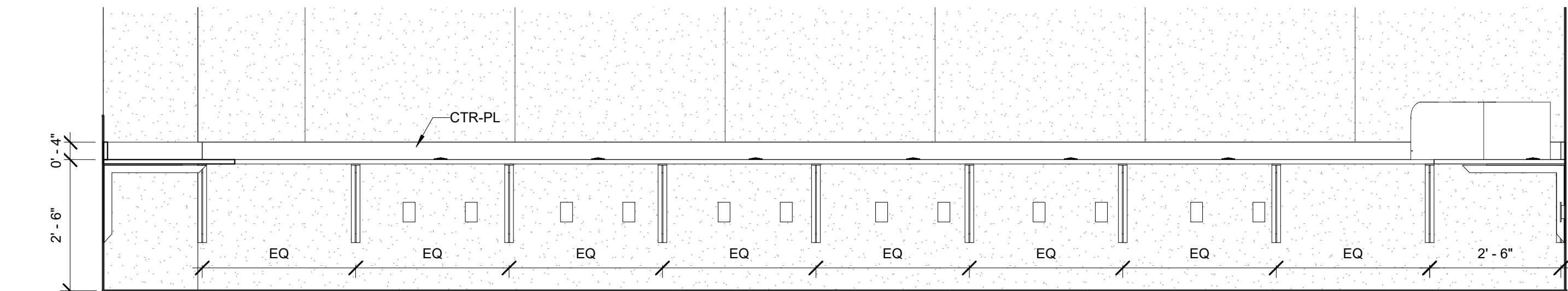
Drumme Rosane Anderson, Inc.
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Studio 205
South Windsor, CT 06074
Tel: 617.954.1700
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280 Charles Street
Studio 300
Waltham, MA 02453

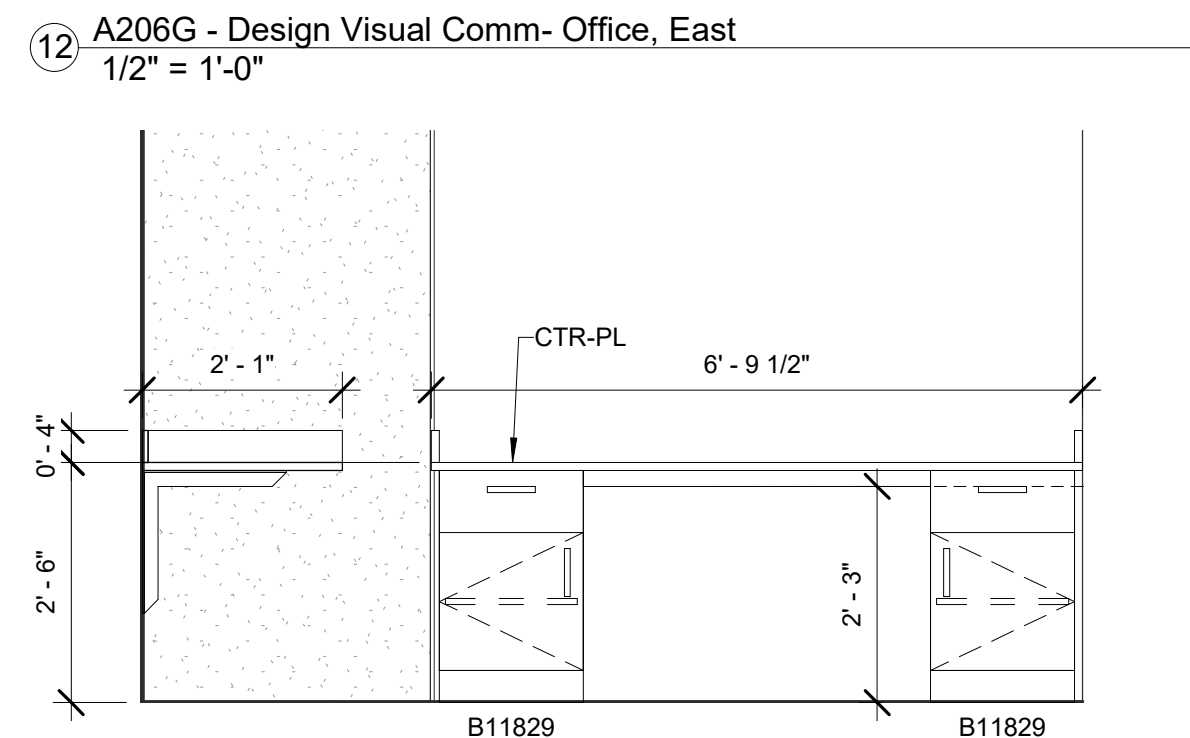
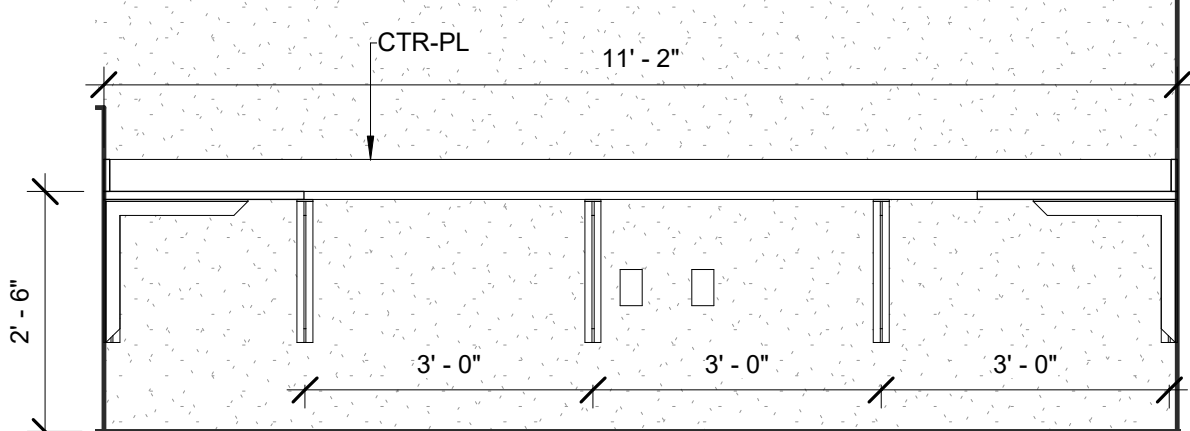
Planning | Architecture | Interior Design

Northeast
Metropolitan
Regional
Vocational High
School

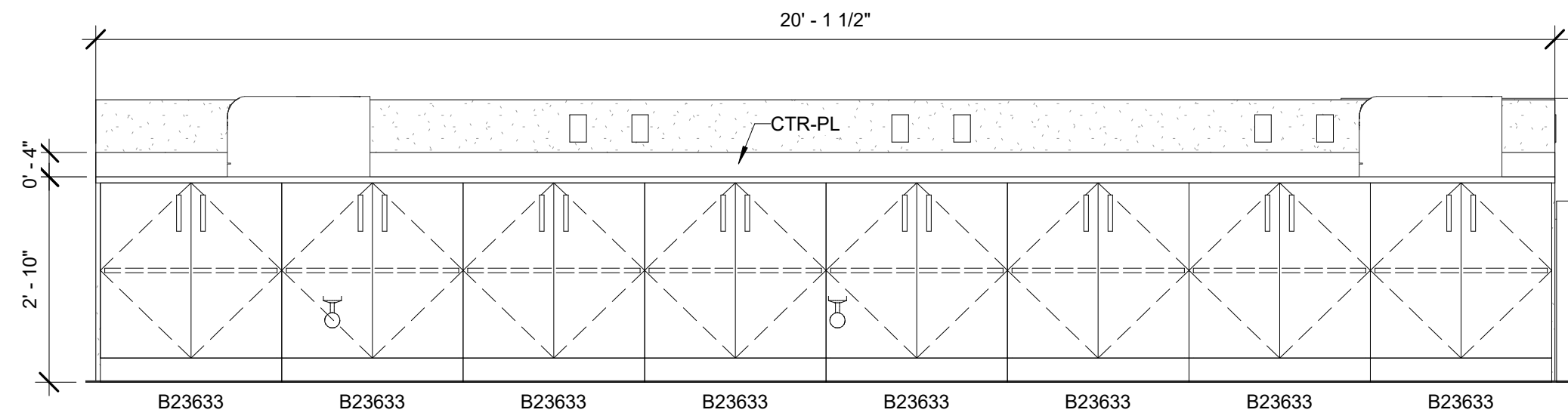
Wakefield, MA 01880



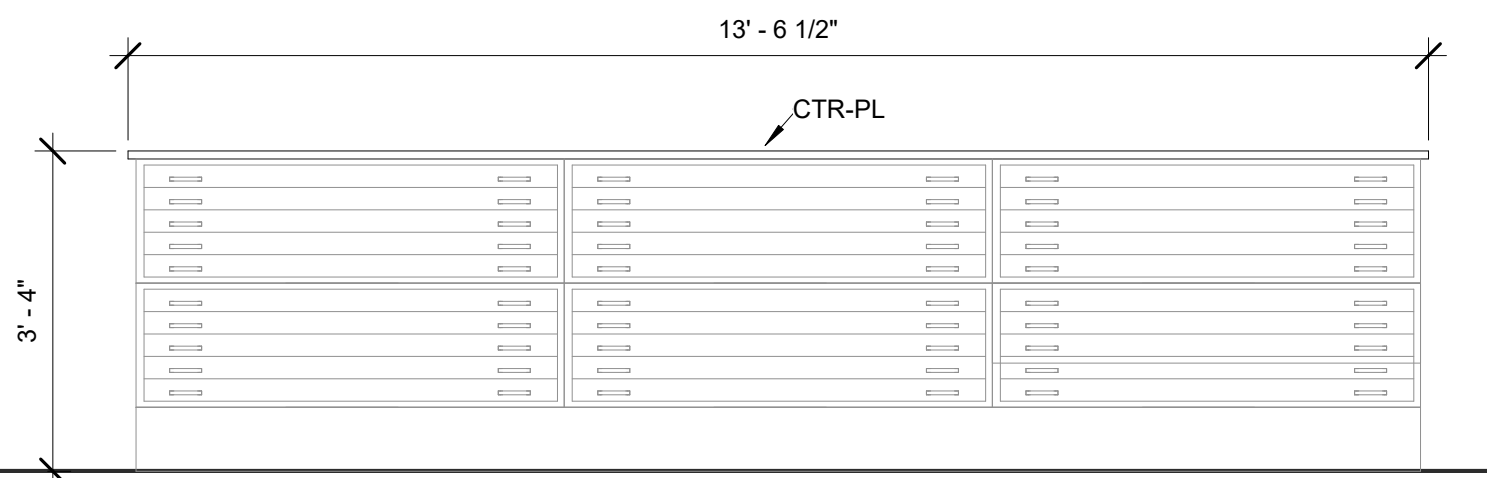
13 A206G - Design Visual Comm- Office, South
1/2" = 1'-0"



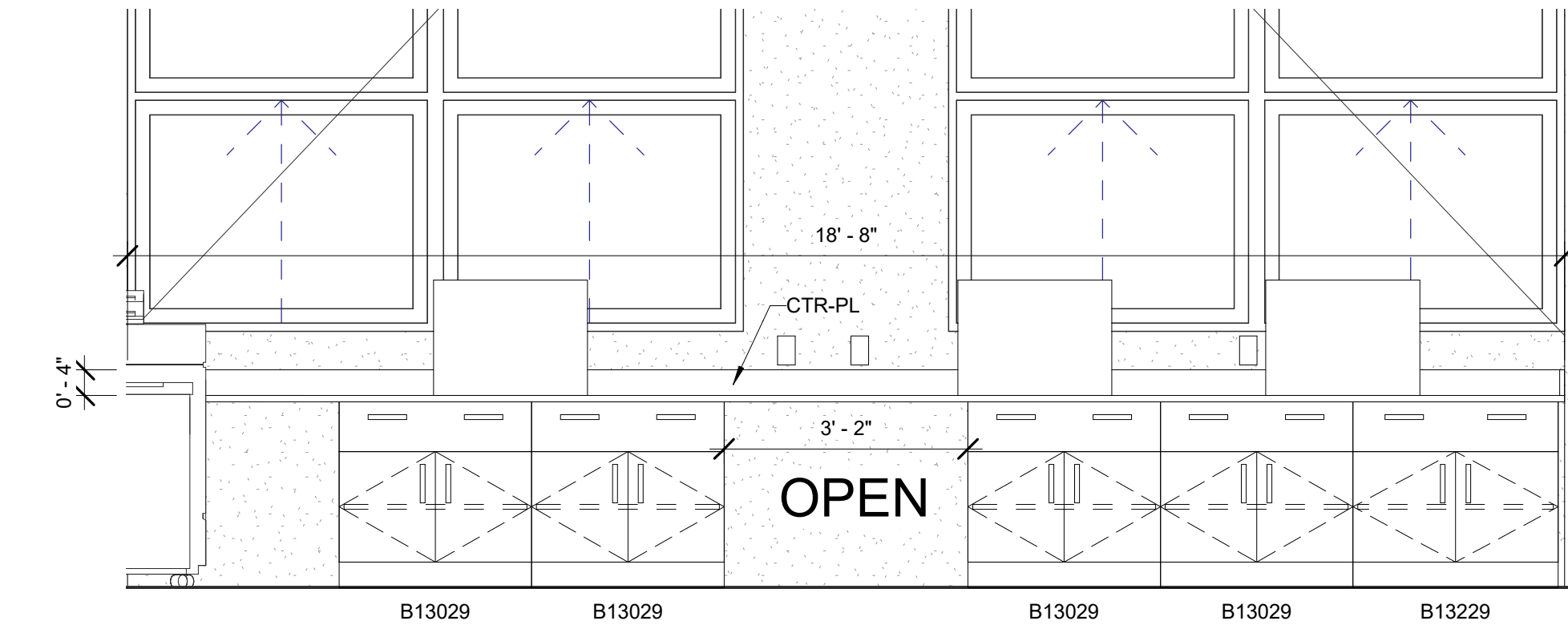
14 A206G - Design Visual Comm- Office, West
1/2" = 1'-0"



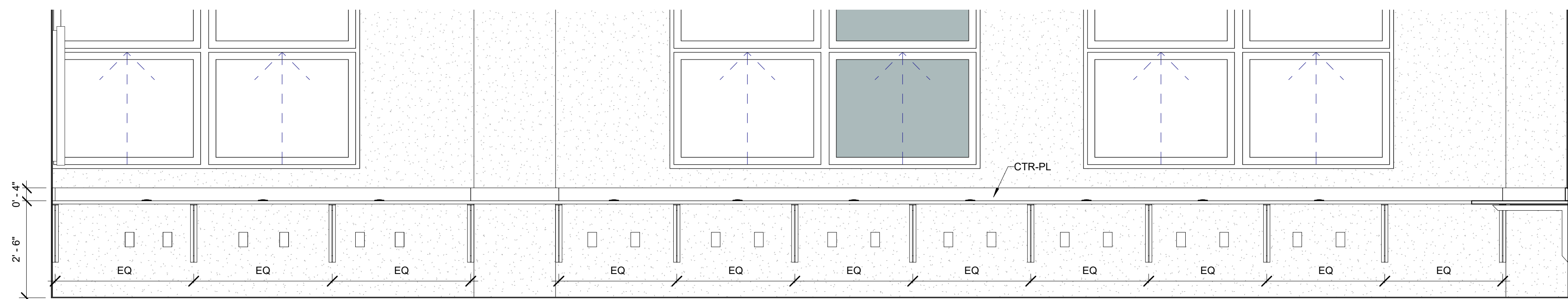
3 A206 - Design Visual Comm, East
1/2" = 1'-0"



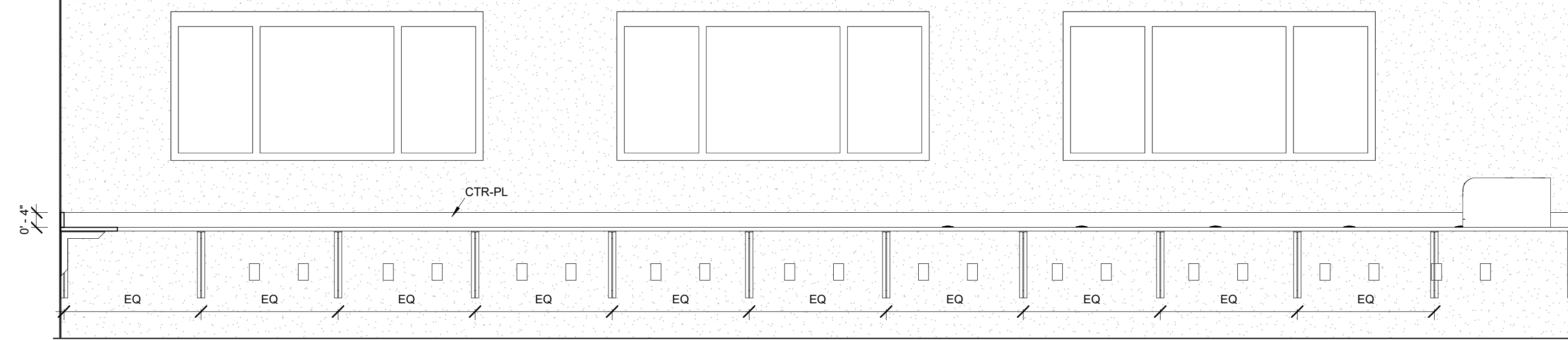
4 A206 - Design Visual Comm, Flat File Counter
1/2" = 1'-0"



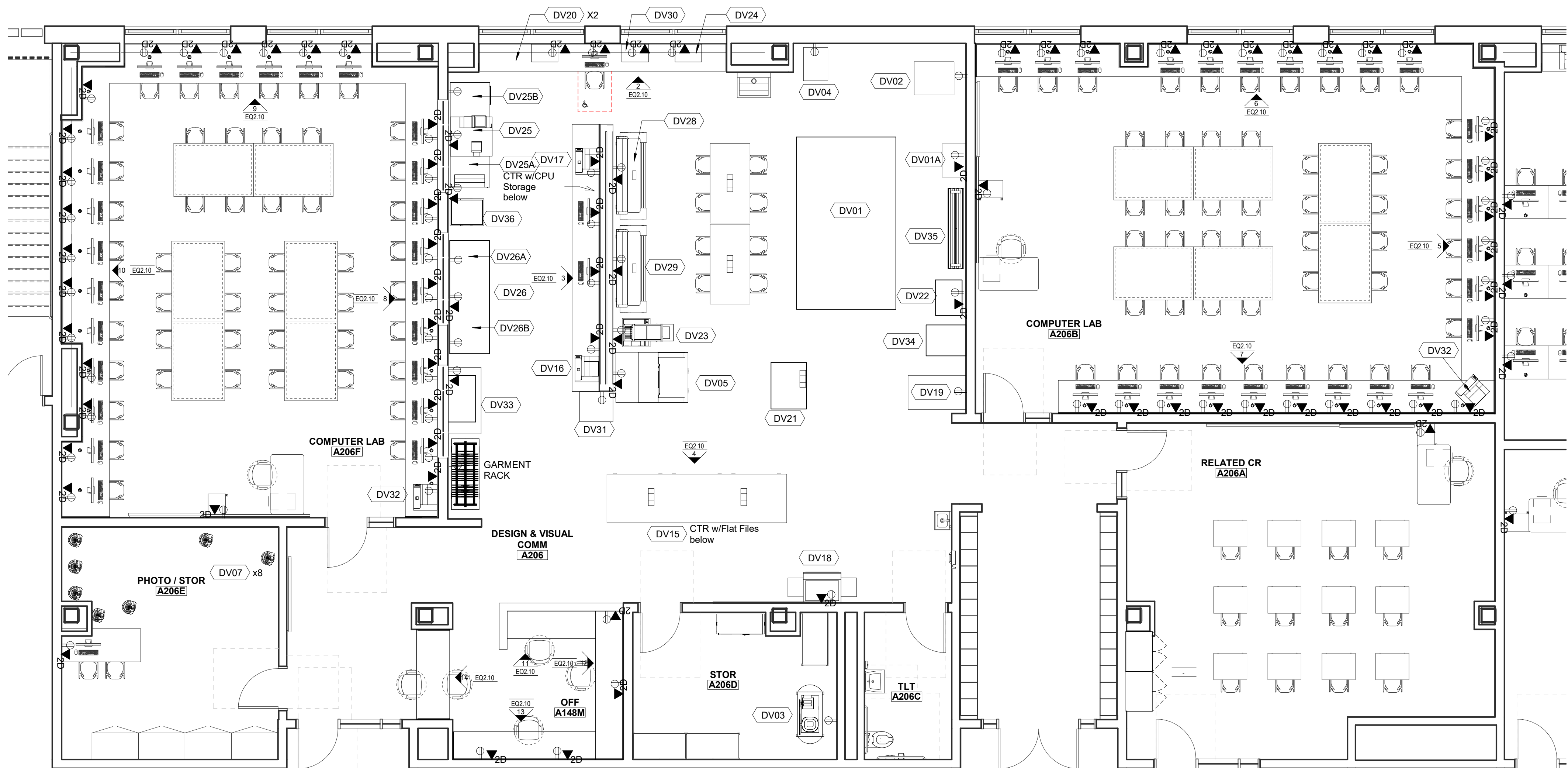
2 A206 - Design- Visual Comm, North
1/2" = 1'-0"



6 A206B - Computer Lab, North
1/2" = 1'-0"



8 A206F - Computer Lab, East
1/2" = 1'-0"



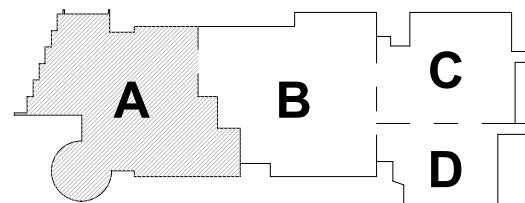
1 Level 2 - Design and Visual Comm
3/16" = 1'-0"

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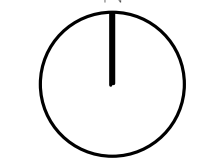
90% MSBA CD SET

MAY 12, 2023

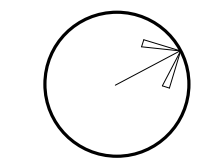


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



DESIGN/VISUAL
COM Casework &
Equipment

Scale: As indicated

Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ2.10

DRAFTING AND DESIGN - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DD01	1			X	VR STUDIO	TBD - CPU/HEADSET/SPEAKERS	-	-	-	-	120	1	-	-	X	-	TECHNOLOGY
DD02	2			X	LASER ENGRAVER/CUTTER	EPILOG FUSION EDGE 36	-	-	6.5	-	220	1	-	-	X	REQ. EXHAUST 360 CFM...	NEW
DD03	1			X	LARGE FORMAT PRINTER	HP DESIGNJET Z6 POSTSCRIPT	-	-	2	-	100-240	-	-	-	X	-	TECHNOLOGY
DD04	1			X	SOLVENT CLEANER	STRATASYS SCA-1200HT	-	-	12	-	120	1	-	-	-	LOCATE NEAR SINK	EXISTING
DD05	2			X	3D PRINTER	STRATASYS F170	-	-	12/7	-	100-240	1	-	-	X	-	EXISTING
DD06	48			X	CPU STATIONS	TBD	-	-	10	-	120	-	-	-	X	3 x Rows of 8 each Lab	TECHNOLOGY
DD07	1			X	MINI SKILL SAW	WEN 3922	-	-	1.2	-	120	-	-	-	-	-	EXISTING
DD08	2			X	11X17 PRINTER	Versalink c8000	-	-	12	-	110-127	1	-	-	X	-	TECHNOLOGY
DD09	1			X	RESIN PRINTER	FORMLABS 3L	-	-	8.5	-	100-240	-	X	-	X	Locate near open window	NEW
DD10	TBD			X	MOBILE SHELVING	METRO	18X48X82	-	-	-	-	-	-	-	-	-	NEW
DD11	1			X	FLAT FILE	-	49X39X59	-	-	-	-	-	-	-	-	-	EXISTING
DD12	3			X	DOCUMENT PRINTER	TBD	-	-	10.5	-	120	-	-	-	X	-	TECHNOLOGY

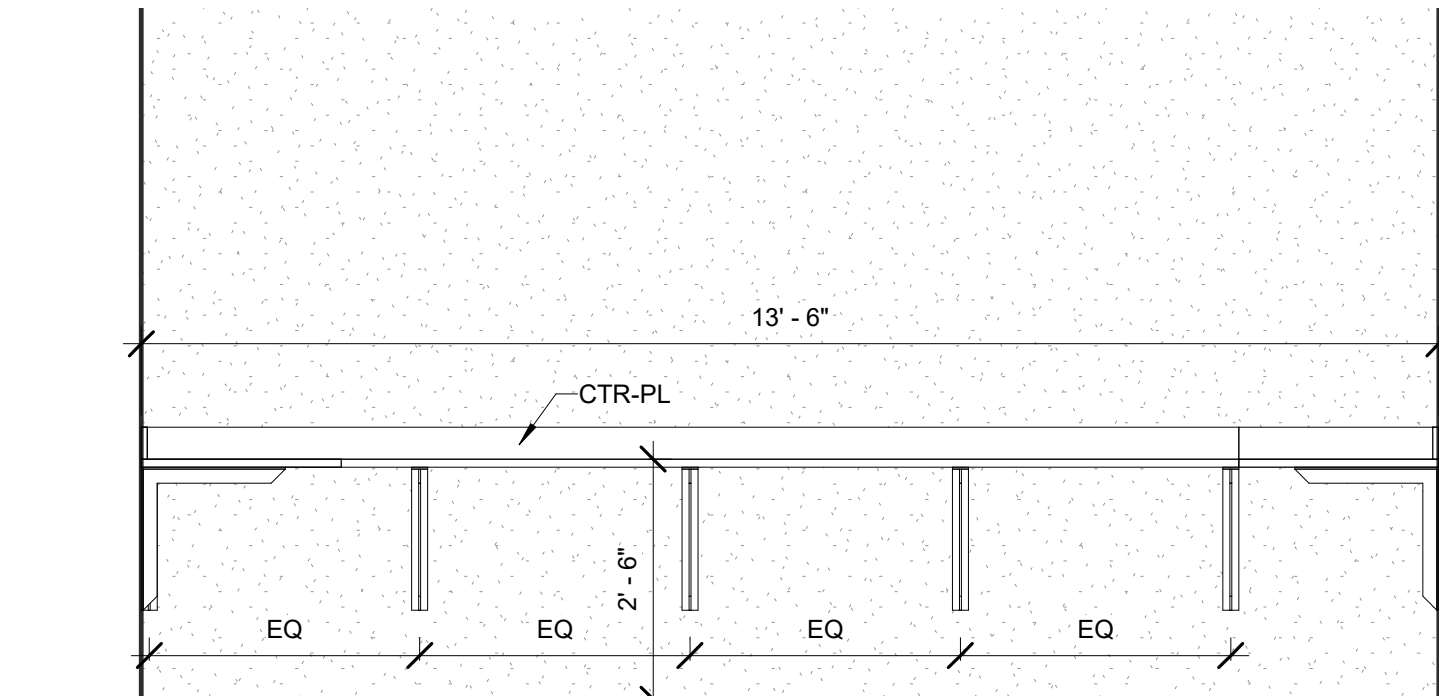
Casework Keynote Legend	
Key Value	Keynote Text
B13029	BASE CABINET 1 DWR 30Wx24Dx29H
B13629	BASE CABINET 1 DWR 36Wx24Dx29H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
B14229	BASE CABINET 1 DWR 42Wx24Dx29H
B14233	BASE CABINET 1 DWR 42Wx24Dx33H
CTR-PL	COUNTERTOP PLASTIC LAMINATE

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Tel: 817.854.1700
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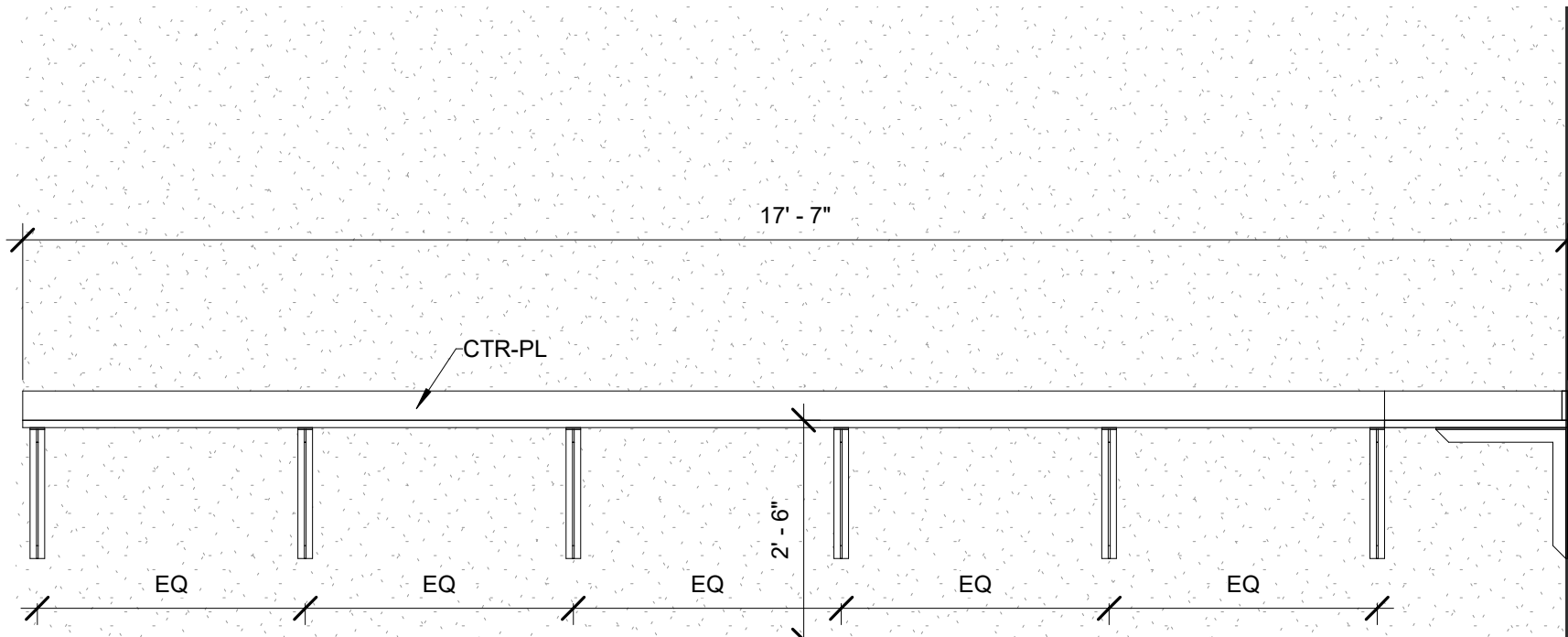
260 Charles Street
Studio 300
Waltham, MA 02453
Planning | Architecture | Interior Design

Northeast
Metropolitan
Regional
Vocational High
School

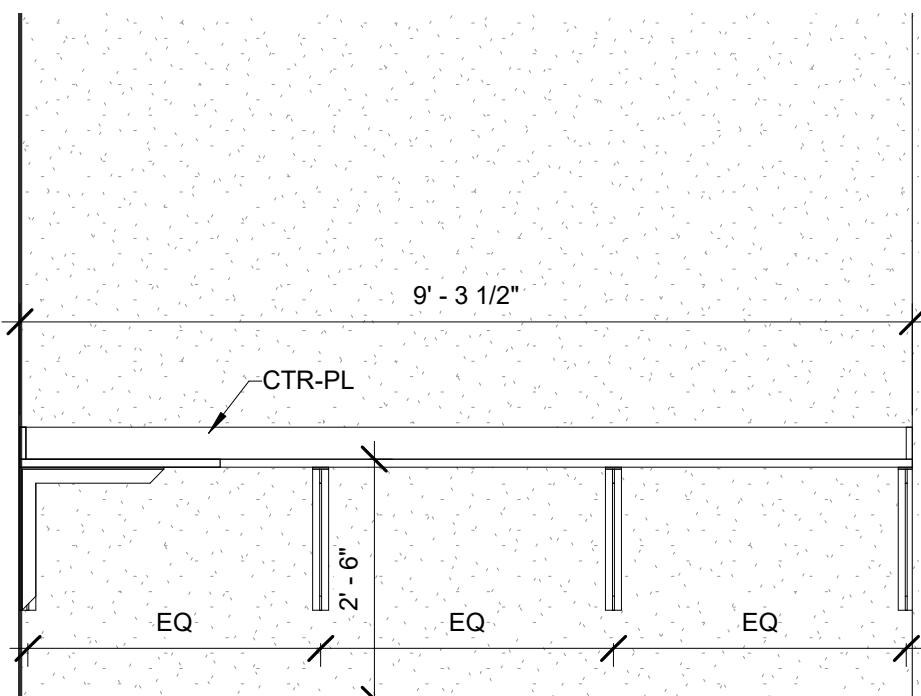
Wakefield, MA 01880



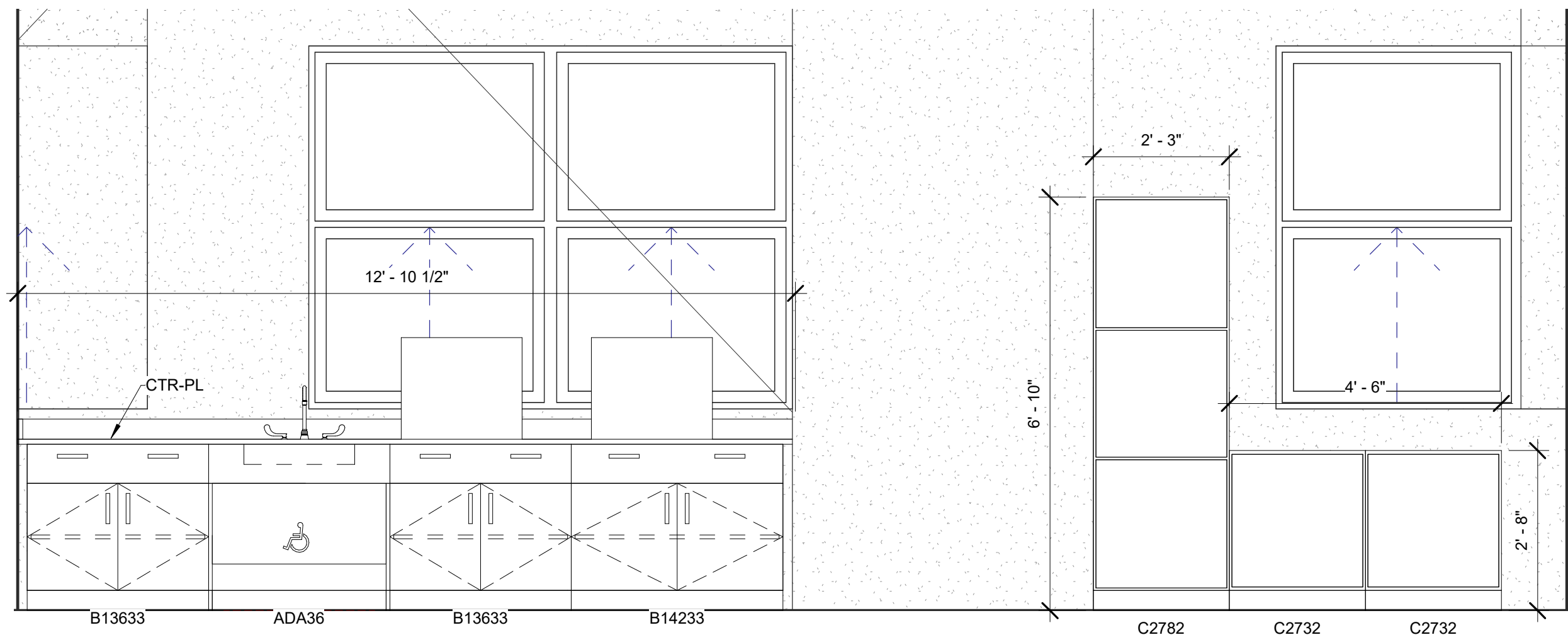
2 B201E- Drafting and Design- Office- South
1/2" = 1'-0"



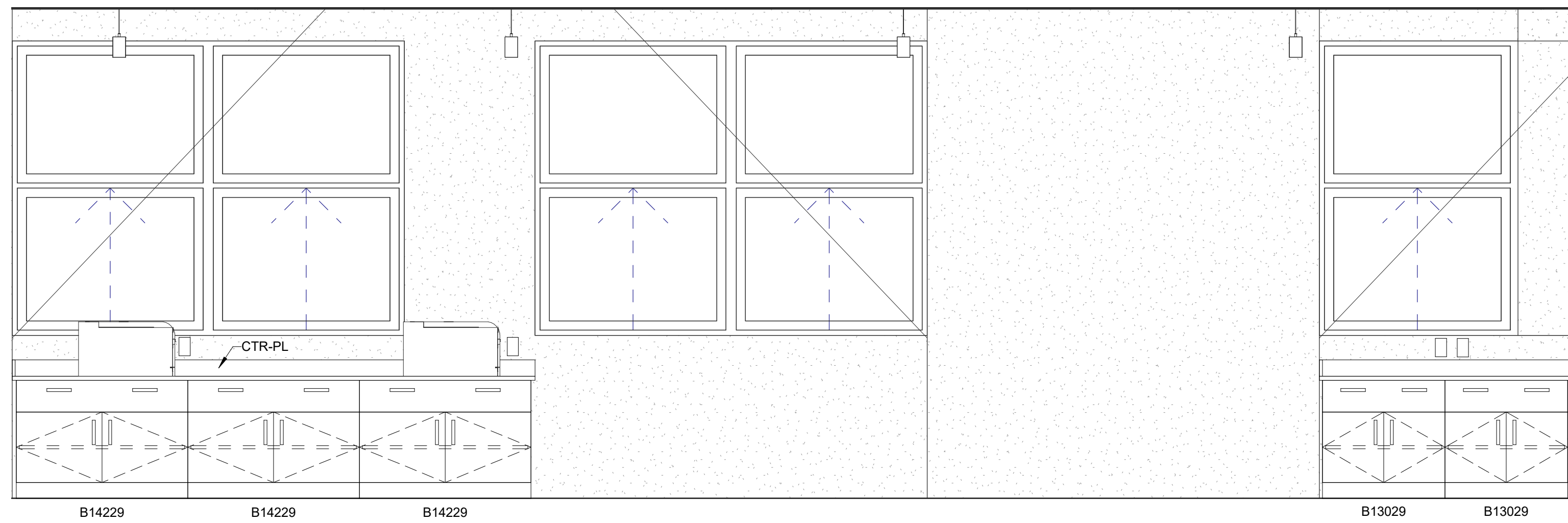
3 B201E- Drafting and Design- Office- East
1/2" = 1'-0"



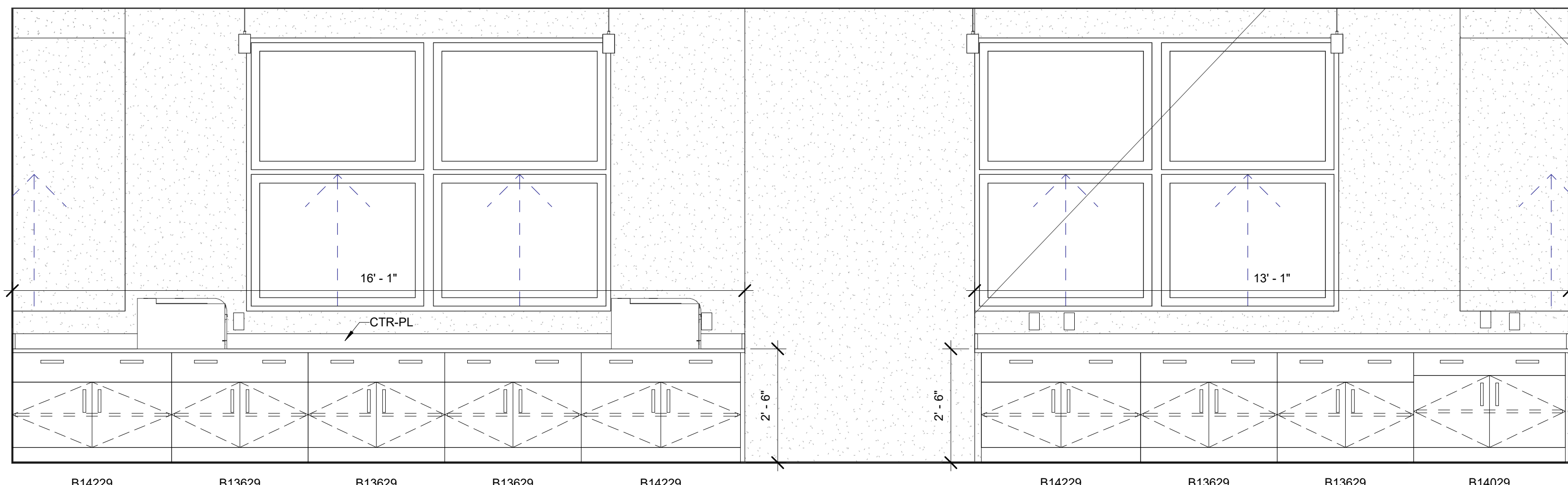
4 B201E- Drafting and Design- Office- West
1/2" = 1'-0"



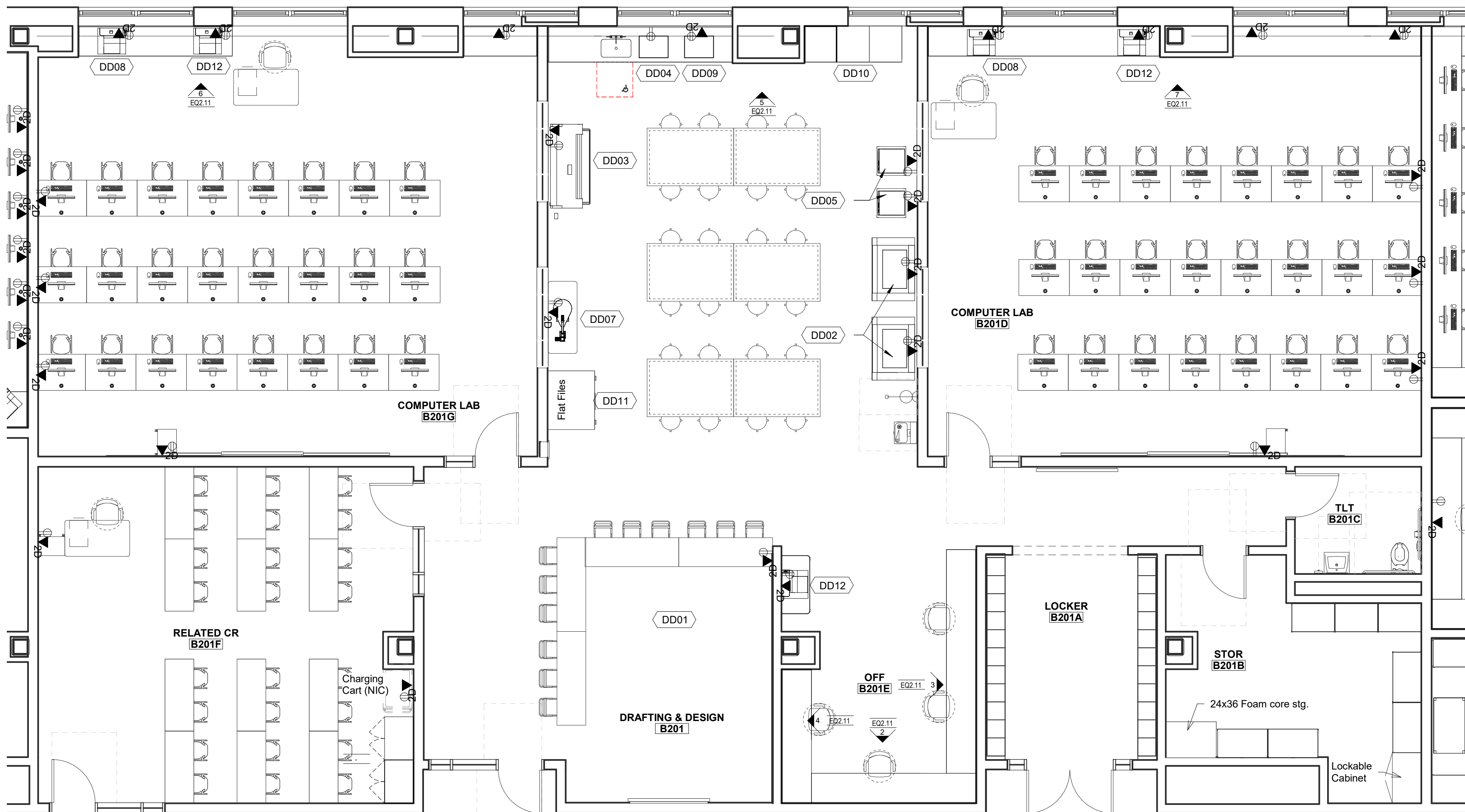
5 B201.1 - Drafting & Design-1, North
1/2" = 1'-0"



6 B201G - Computer Lab, North
1/2" = 1'-0"



7 B201D - Computer Lab, North
1/2" = 1'-0"



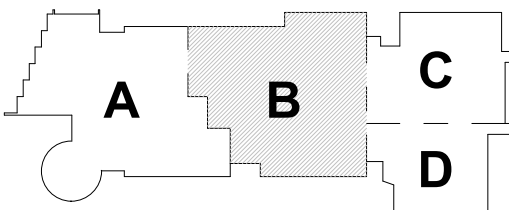
1 Level 2 - Drafting & Design
3/16" = 1'-0"

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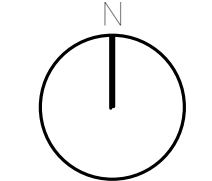
90% MSBA CD
SET

MAY 12, 2023

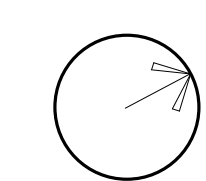


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



DRAFTING /
DESIGN
Casework &
Equipment

Scale: As indicated

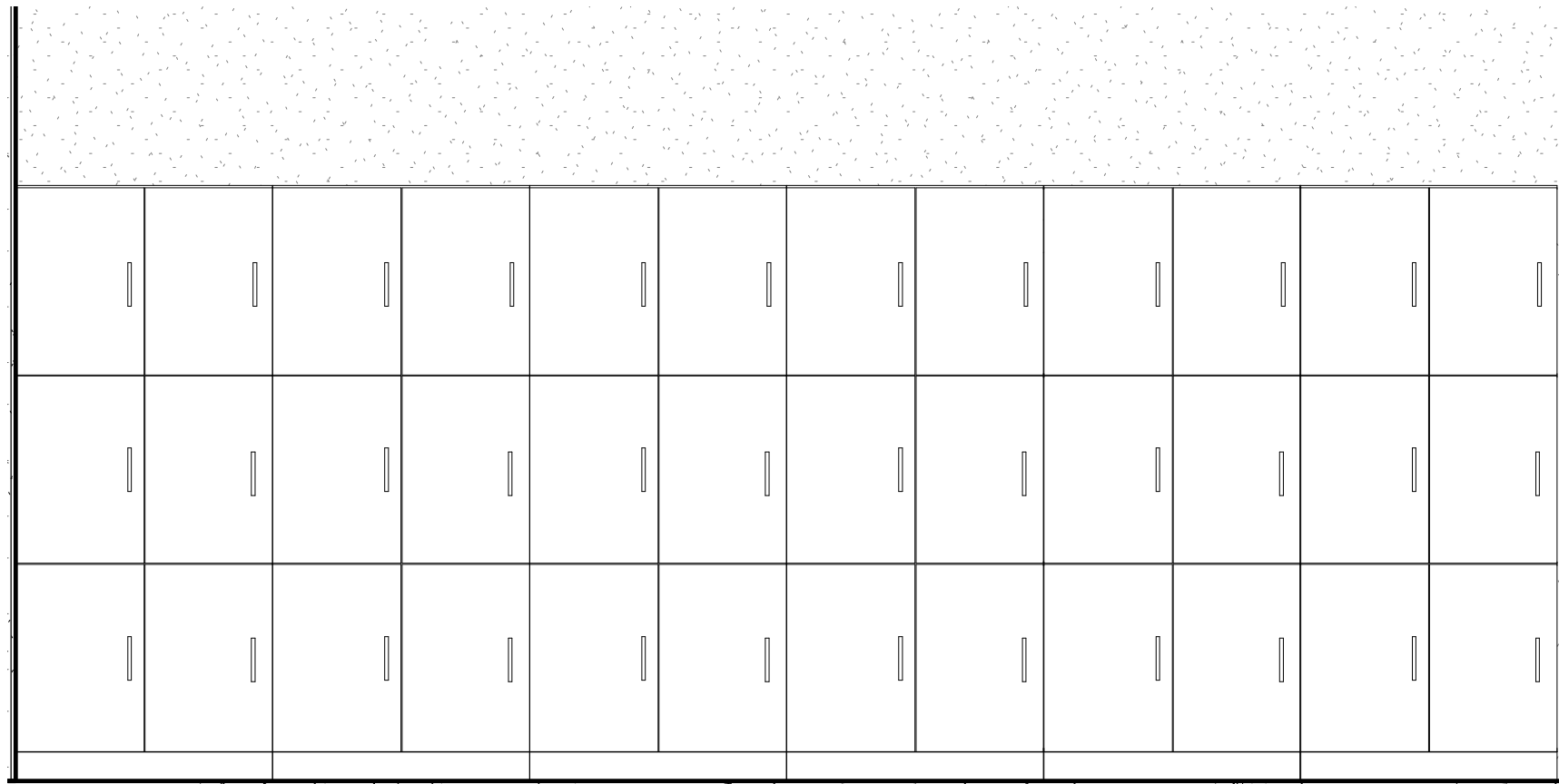
Job No.: 20202

Drawn By: DRA

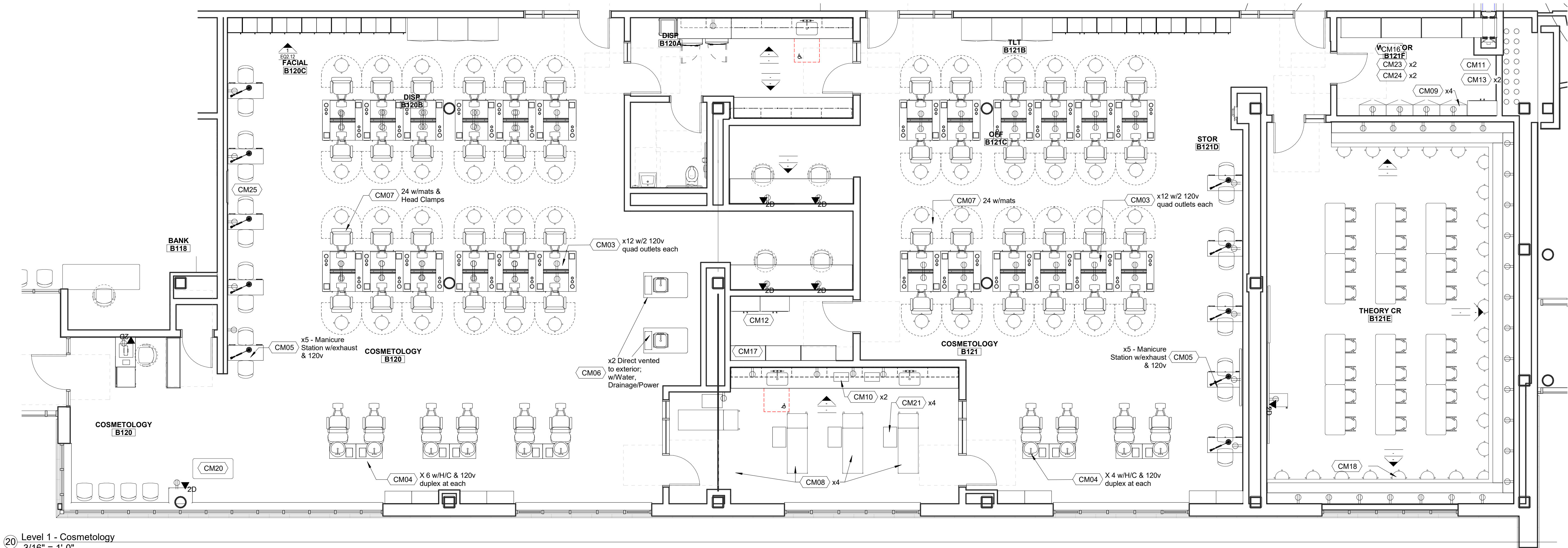
Date: MAY 12, 2023

EQ2.11

COSMETOLOGY - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by...	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
W-1	1	X			Washer	TBD	-	-	20	-	120	1	-	HOT/COLD/D...	-	-	NEW
D-1	1	X			Dryer	TBD	-	-	22	-	208	1	-	-	-	4" Vent	NEW
CM03	24	X			Double Sided...	COLLINS...	-	-	20	-	120	1	-	-	-	Ded. Circuit...	NEW
CM04	12	X			Shampoo...	Side Wash	-	-	-	-	-	-	-	HOT/COLD/D...	-	-	NEW
CM05	5	X			Double Manicur...	Collins	-	-	15	-	120	1	-	-	-	2 x 4" Ducts, ...	NEW
CM06	3	X			Pedicure Station	CONTINU...	-	-	15	-	120	1	-	HOT/COLD/D...	X	Dedicted...	Gravity or Pump Drain?
CM07	60			X	Styling Chairs	COLLINS...	-	-	-	-	-	-	-	-	-	-	NEW/Reuse?
CM08	2			X	Facial Beds	SKIN ACT...	-	-	-	-	-	-	-	-	-	-	NEW
CM09	4			X	Wig Drying...	SUPER 9...	-	-	14	-	115	1	-	-	-	-	NEW
CM10	2			X	Towel Warmer	GARFIELD...	-	-	1.8	-	100	1	-	-	-	-	NEW
CM11	2			X	Hair Dryer on...	MEREDIT...	-	-	8	-	120	1	-	-	-	-	NEW
CM12	2			X	Fire Proof...	-	-	-	-	-	-	-	-	-	-	-	Confirm QTY
CM13	3			X	Head Stand	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CM14	2			X	Rolling Curler...	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CM15	24			X	Head clamps fo...	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CM16	2			X	Dryer on Arm	Pibb EZ...	-	-	8	-	120	1	-	-	-	-	EXISTING
CM17	1			X	Bins and Bin...	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CM18	48			X	Stools	-	-	-	-	-	-	-	-	-	-	-	NEW
CM19	24			X	Foam heads	-	-	-	-	-	-	-	-	-	-	-	EXISTING
CM20	2			X	Portable Demo...	-	-	-	20	-	120	1	-	-	-	-	NEW
CM21	2			X	Facial Machine	-	-	-	6.25	-	120	1	-	-	-	-	NEW/EXISTING
CM22	2			X	LAUNDRY...	-	-	-	-	-	-	-	-	-	-	-	NEW
CM23	4			X	Seated Hair...	Belvedere	-	-	8	-	120	1	-	-	-	-	Existing
CM24	2			X	Hair Steamer	-	-	-	6	-	120	1	-	-	-	-	Existing
CM25	1			X	Nail Polish...	TBD	-	-	-	-	-	-	-	-	-	-	NEW
CM26	22	X			Triple Lockers	Collins	24x18x84										NEW

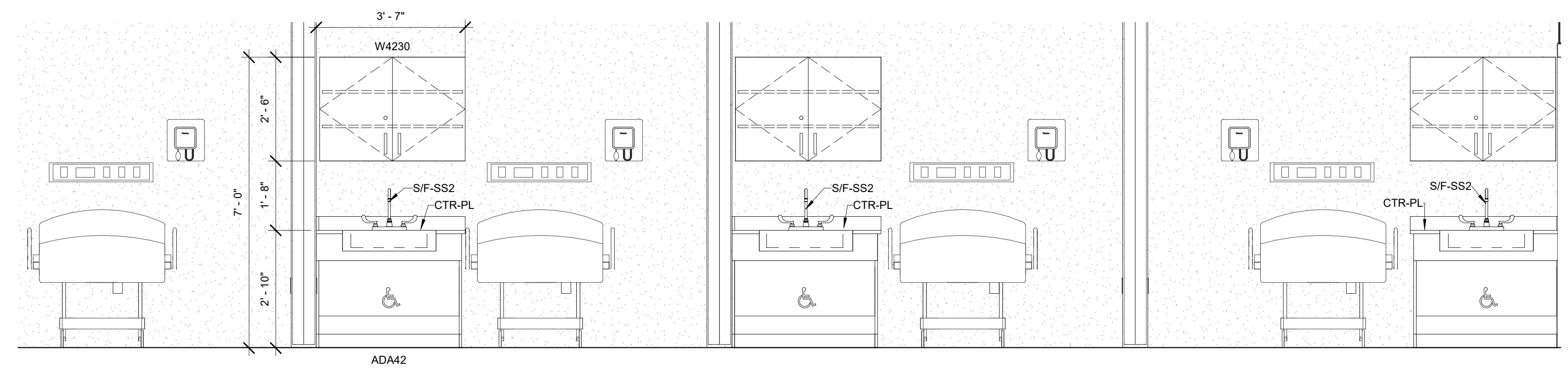


1 B120 - Cosmetology Lockers
1/2" = 1'-0"

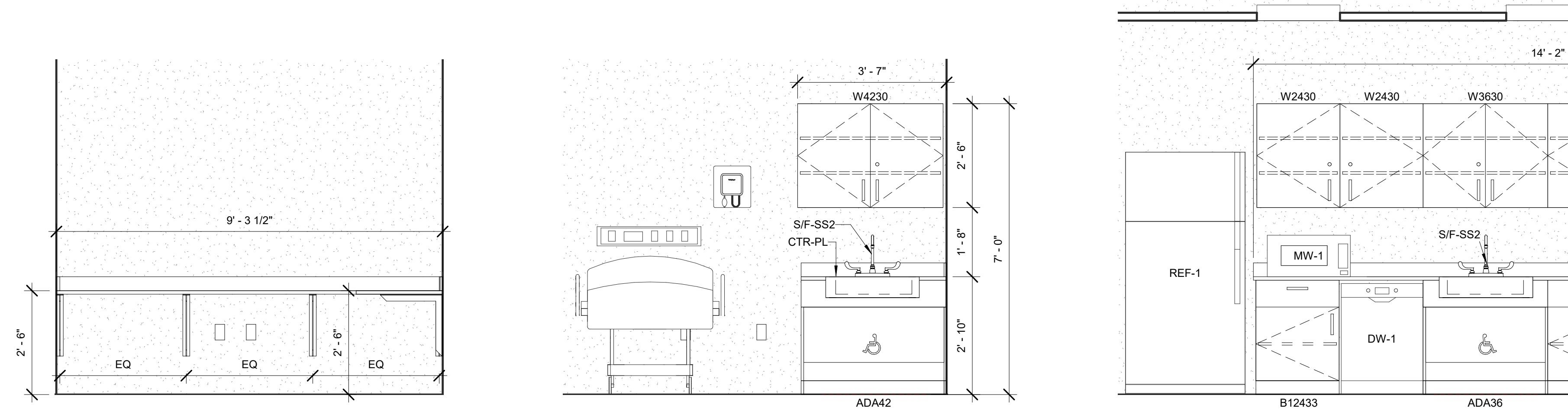


20 Level 1 - Cosmetology
3/16" = 1'-0"

HEALTH ASSISTING - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by CMR	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
REF1	1	X			Fridge	GE	-	-	20	-	115	1	-	COLD	-	-	NEW
W-1	1	X			Washer	GE	-	-	20	-	120	1	-	HOT/COLD/...	-	-	NEW
D-1	1	X			Dryer	GE	-	-	22	-	120/208	1	-	4" Vent	-	-	NEW
MW-1	1	X			Microwave	GE	-	-	13.9	-	120	1	-	-	-	-	NEW
DW-1	1	X			Dishwasher	GE	-	-	8.9	-	120	1	-	HOT/COLD/...	-	-	NEW
HA06	1		X		Sim Man	EXISTING	-	-	1	-	120	1	X	-	X	Optional External Air	EXISTING
HA07	9		X		Mock Headwall		-	-	-	-	-	-	-	-	-	Wall Mount	NEW
HA09	9		X		BP Cuff - Wall Mt		-	-	-	-	-	-	-	-	-	Wall Mount	NEW
HA10	1			X	Lift	Lumex	40x38	-	0.6	-	120	1	-	-	-	24v Battery Powered	EXISTING
HA11	10			X	Hospital Bed	Long Term	-	-	8	-	120	1	-	-	-	-	8 EXISTING/2 NEW
HA12	1			X	Printer		-	-	10	-	120	1	-	-	X	-	TECHNOLOGY
HA13	1			X	Urinalysis Machine	Clintek Status+	-	-	1.8	-	100-240	1	-	-	X	-	NEW
HA14	3			X	Mobile Vital Sign	Welch Allen 42NTB-E1G	-	-	1	-	115	1	-	-	X	-	2 EXISTING/1 NEW
HA15	2			X	Mobile ECG	Welch Allen CP-100 ECG	-	-	3	-	100-240	1	-	-	X	-	EXISTING
HA16	2			X	Organ Model		-	-	-	-	-	-	-	-	-	-	EXISTING
HA17	1			X	Femal Organ Model		-	-	-	-	-	-	-	-	-	-	EXISTING
HA18	2			X	Blood Draw Chair		-	-	-	-	-	-	-	-	-	-	1 EXISTING/1 NEW
HA19	10			X	Bedside Cabinet		-	-	-	-	-	-	-	-	-	-	6 EXISTING / 4 NEW
HA20	10			X	Overbed Table		-	-	-	-	-	-	-	-	-	-	6 EXISTING / 4 NEW
HA21	3			X	Laundry Cart		-	-	-	-	-	-	-	-	-	-	2 EXISTING / 1 NEW
HA22	5			X	Wheel Chairs		-	-	-	-	-	-	-	-	-	-	EXISTING
HA23	2			X	Mannekins		-	-	-	-	-	-	-	-	-	-	EXISTING
HA24	4			X	Storage Cart		-	-	-	-	-	-	-	-	-	-	NEW
HA25	1			X	Backboard		-	-	-	-	-	-	-	-	-	-	EXISTING
HA26	2			X	Walkers		-	-	-	-	-	-	-	-	-	-	EXISTING
HA27	10			X	Steel Shelving		-	-	-	-	-	-	-	-	-	-	NEW
HA28	1			X	Skeleton		-	-	-	-	-	-	-	-	-	-	EXISTING
HA29	1			x	Laminator	Laminex AV-979VSR	-	-	13	-	115-230	-	-	-	-	-	EXISTING
HA30	1			x	Centrifuge	Unico PowerSpin	-	-	4	-	115	-	-	-	-	-	EXISTING



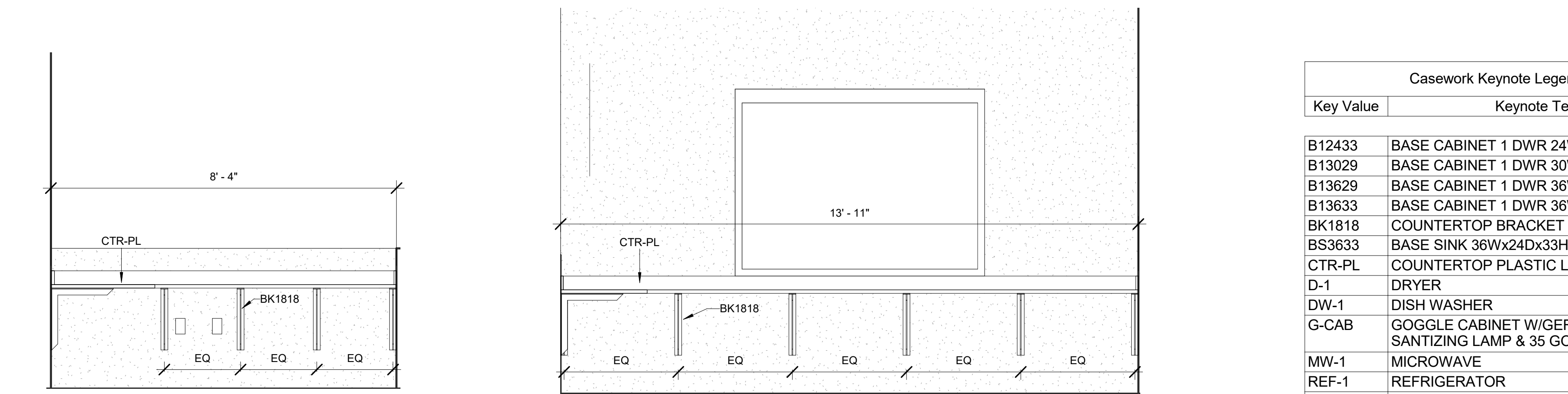
② B301 - Health Assist - East
1/2" = 1'-0"



④ B301D - Health Assist - Office - East
1/2" = 1'-0"



⑥ B301D - Health Assist - Office - South
1/2" = 1'-0"



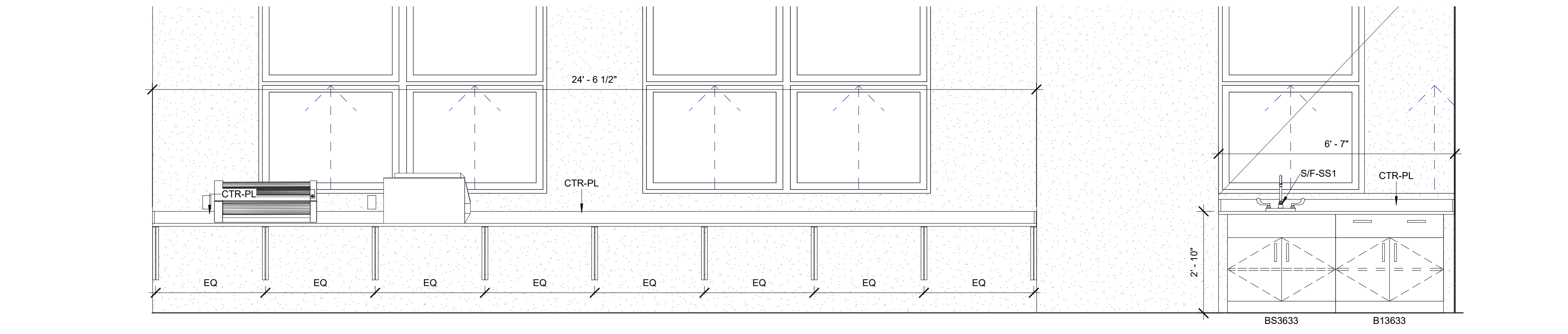
⑫ B301D - Health Assist - Office - North
1/2" = 1'-0"



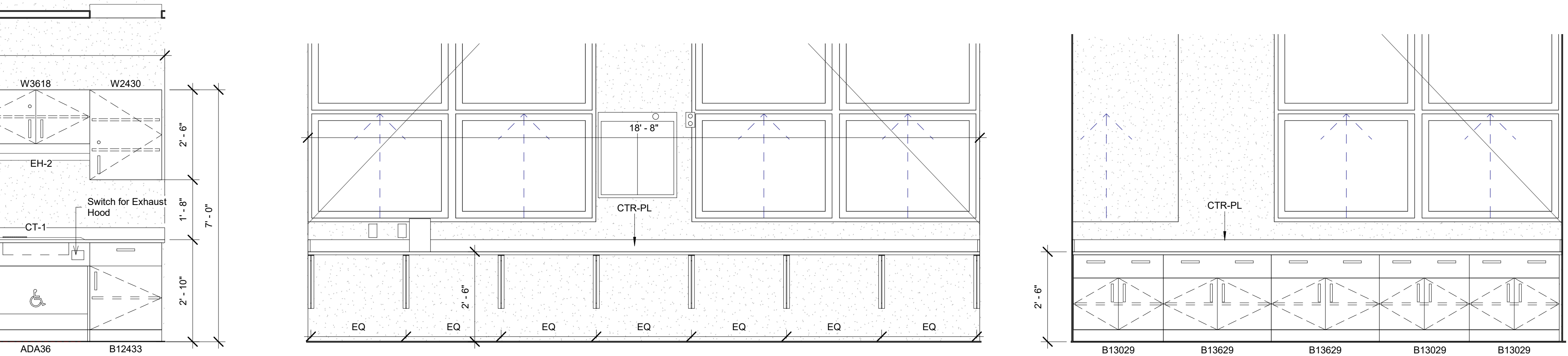
⑬ B301J - Health Assist - Observation
1/2" = 1'-0"

Casework Keynote Legend	
Key Value	Keynote Text
B12433	BASE CABINET 1 DWR 24Wx24Dx33H
B13029	BASE CABINET 1 DWR 30Wx24Dx29H
B13629	BASE CABINET 1 DWR 36Wx24Dx29H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
BK1818	COUNTERTOP BRACKET 18WX18H
BS3633	BASE SINK 36Wx24Dx33H
CTR-PL	COUNTERTOP PLASTIC LAMINATE
D-1	DRYER
DW-1	DISH WASHER
G-CAB	GOGGLE CABINET WIGERMICIDAL SANTIZING LAMP & 35 GOGGLES
MW-1	MICROWAVE
REF-1	REFRIGERATOR
S/F-SS1	SINK/FIXTURES STAINLESS STEEL SINK 18X30X10.5 AND FAUCETS FURNISHED BY DIV 12, INSTALLED BY DIV 22
S/F-SS2	SINK/FIXTURES STAINLESS STEEL SINK 18X30X10.5 AND FAUCETS FURNISHED BY DIV 12, INSTALLED BY DIV 22
W2430	WALL CABINET SOLID DOOR 24Wx12Dx30H
W3618	WALL CABINET SOLID DOOR 36Wx12Dx18H
W3630	WALL CABINET SOLID DOOR 36Wx12Dx30H
W4230	WALL CABINET SOLID DOOR 42Wx12Dx30H
W-1	WASHER

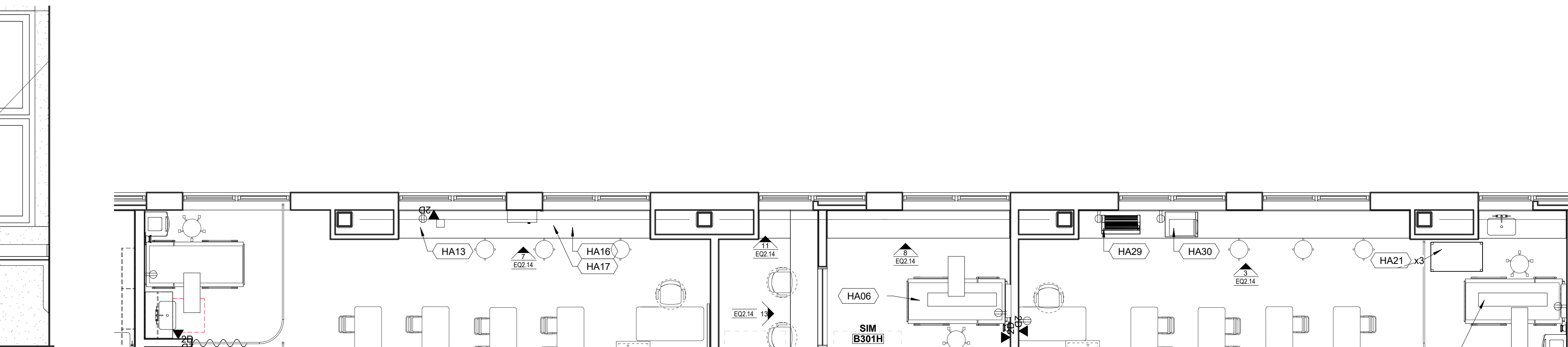
① B301 - Health Assist - West
1/2" = 1'-0"



③ B301 - Health Assist - North (2)
1/2" = 1'-0"



⑦ B301 - Health Assist - North
1/2" = 1'-0"



⑧ B301H - SIM, North
1/2" = 1'-0"



⑮ Level 3 - Health Assist
3/16" = 1'-0"

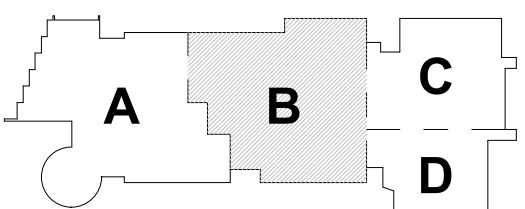
Northeast Metropolitan Regional Vocational High School

Wakefield, MA 01880

NOTE: UNLESS OTHERWISE NOTED, FURNITURE/EQUIPMENT IS FOR REFERENCE/INFORMATION ONLY AND IS NOT INCLUDED IN THIS CONTRACT.

90% MSBA CD SET

MAY 12, 2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

HEALTH ASSIST Casework & Equipment

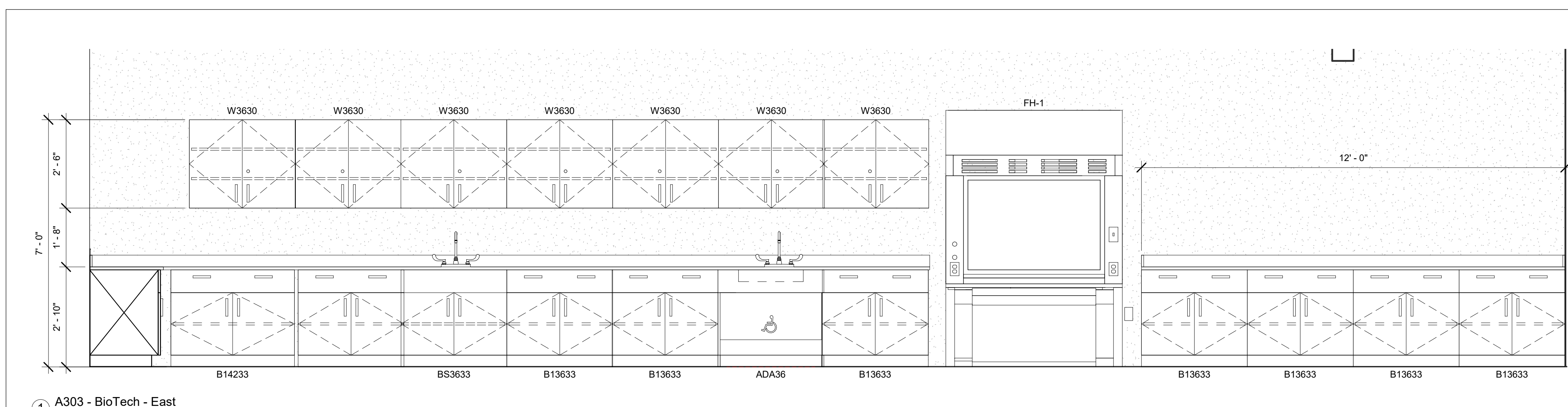
Scale: As indicated

Job No.: 20202

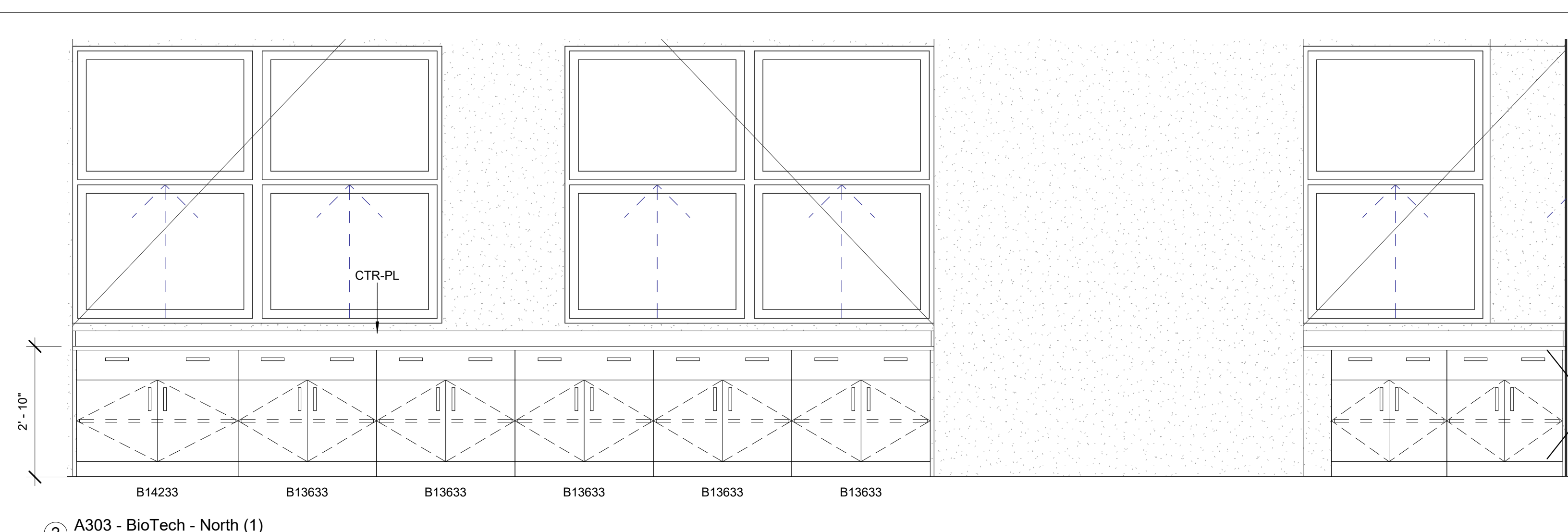
Drawn By: DRA

Date: MAY 12, 2023

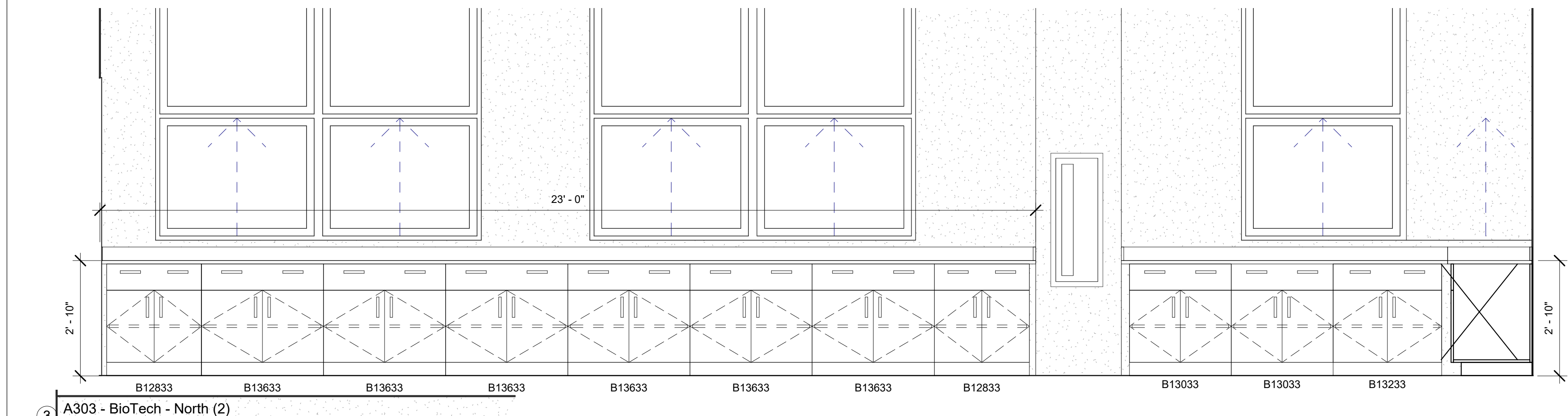
EQ2.14



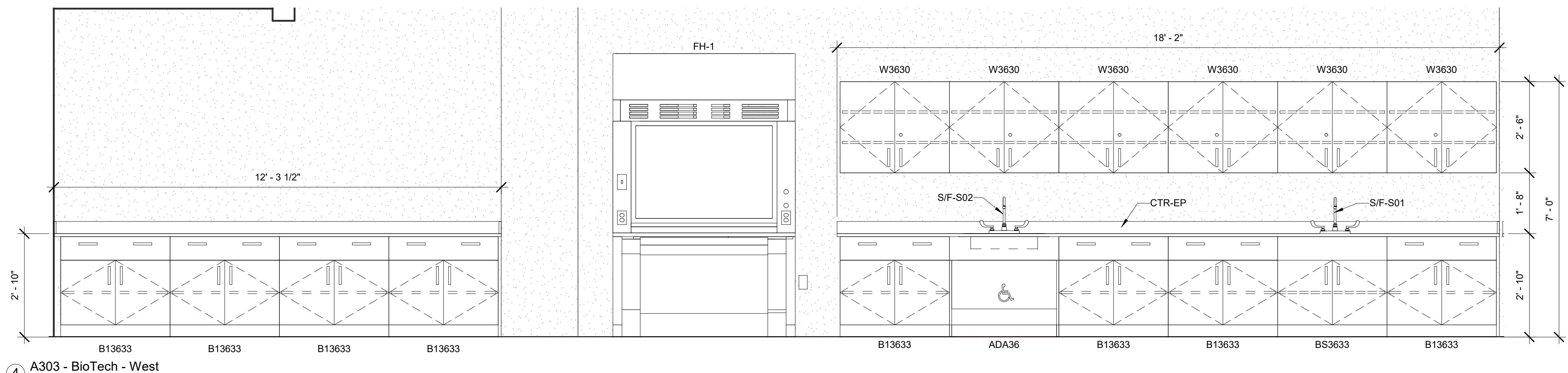
1 A303J - BioTech - East
1/2" = 1'-0"



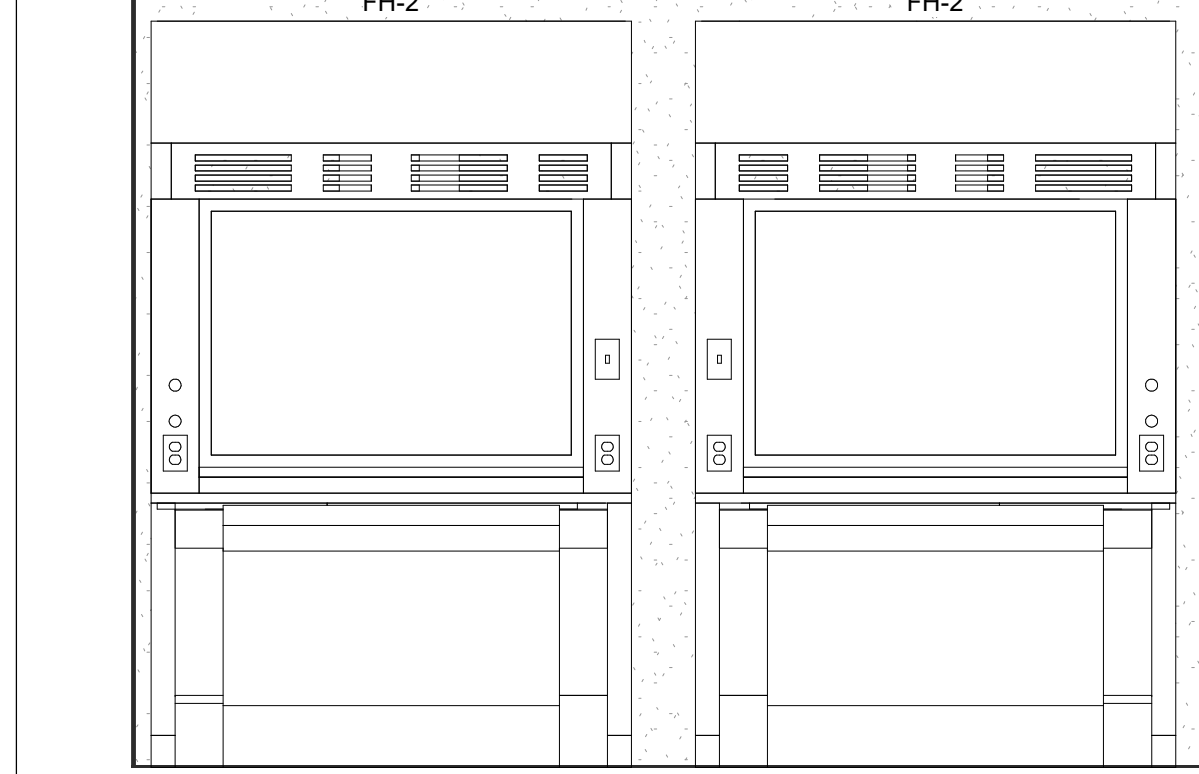
2 A303 - BioTech - North (1)
1/2" = 1'-0"



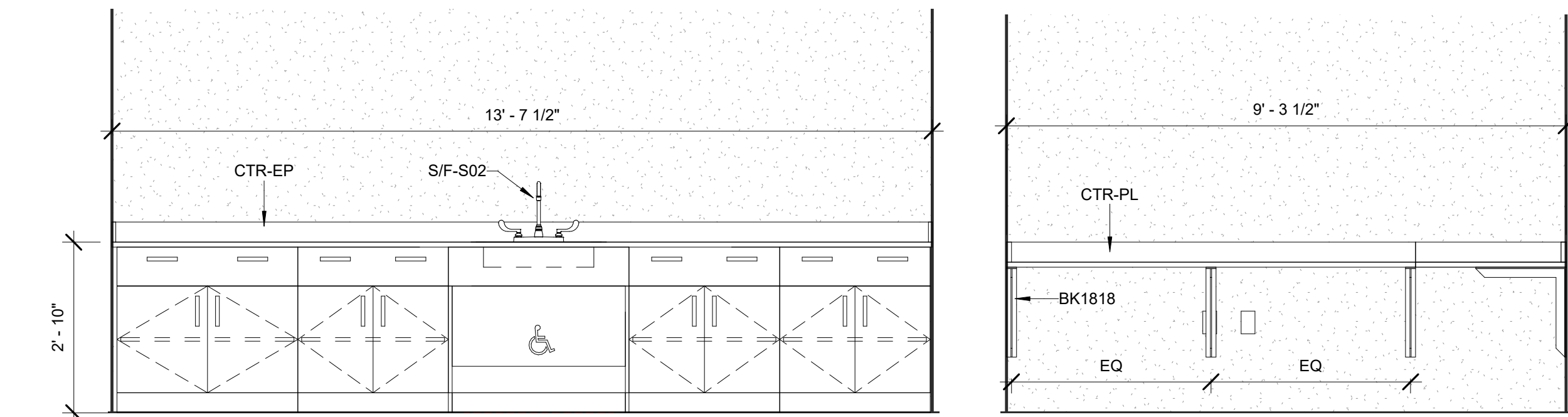
3 A303 - BioTech - North (2)
1/2" = 1'-0"



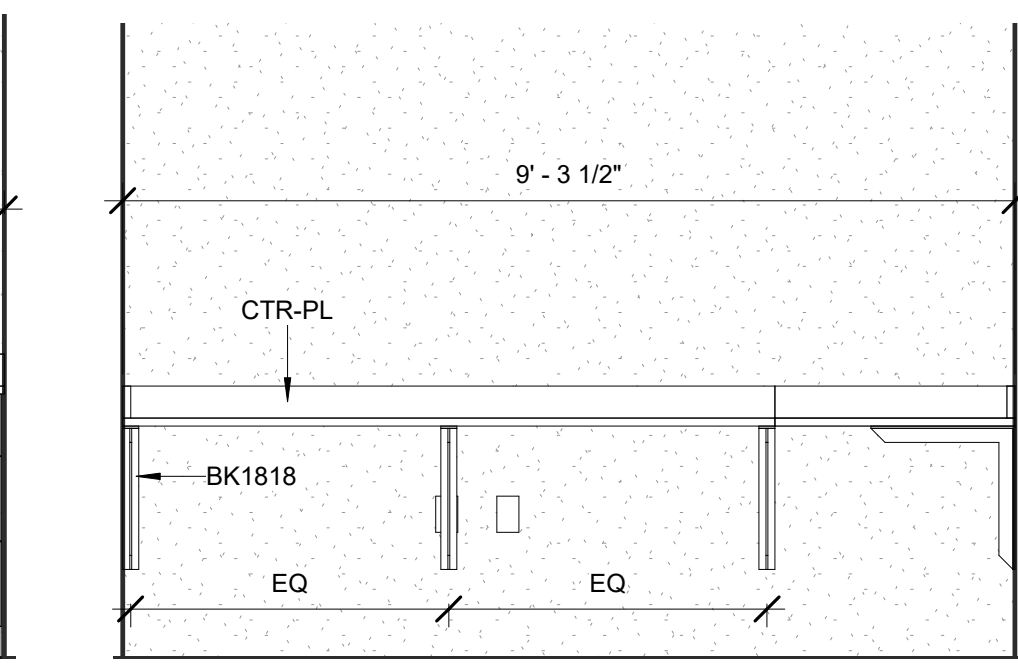
4 A303 - BioTech - West
1/2" = 1'-0"



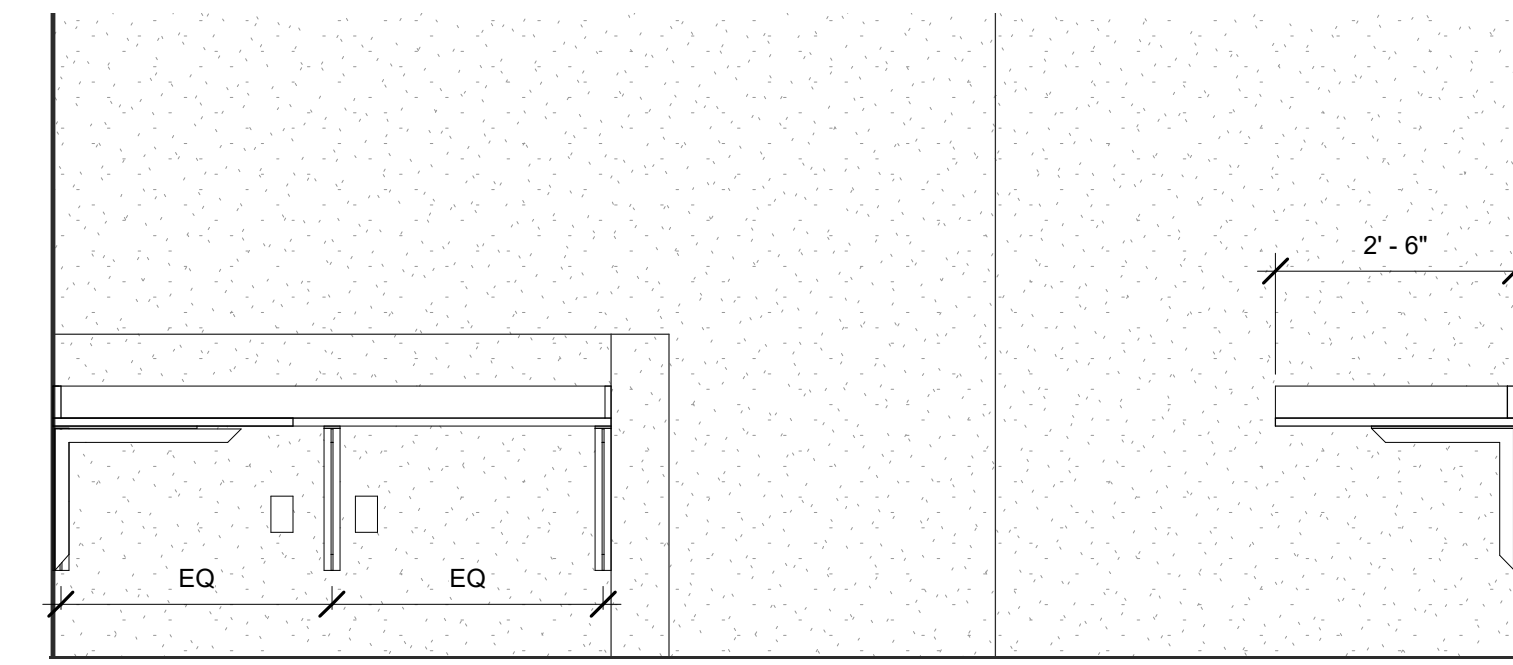
16 A303J - BioTech - Tissue Culture Lab - West
1/2" = 1'-0"



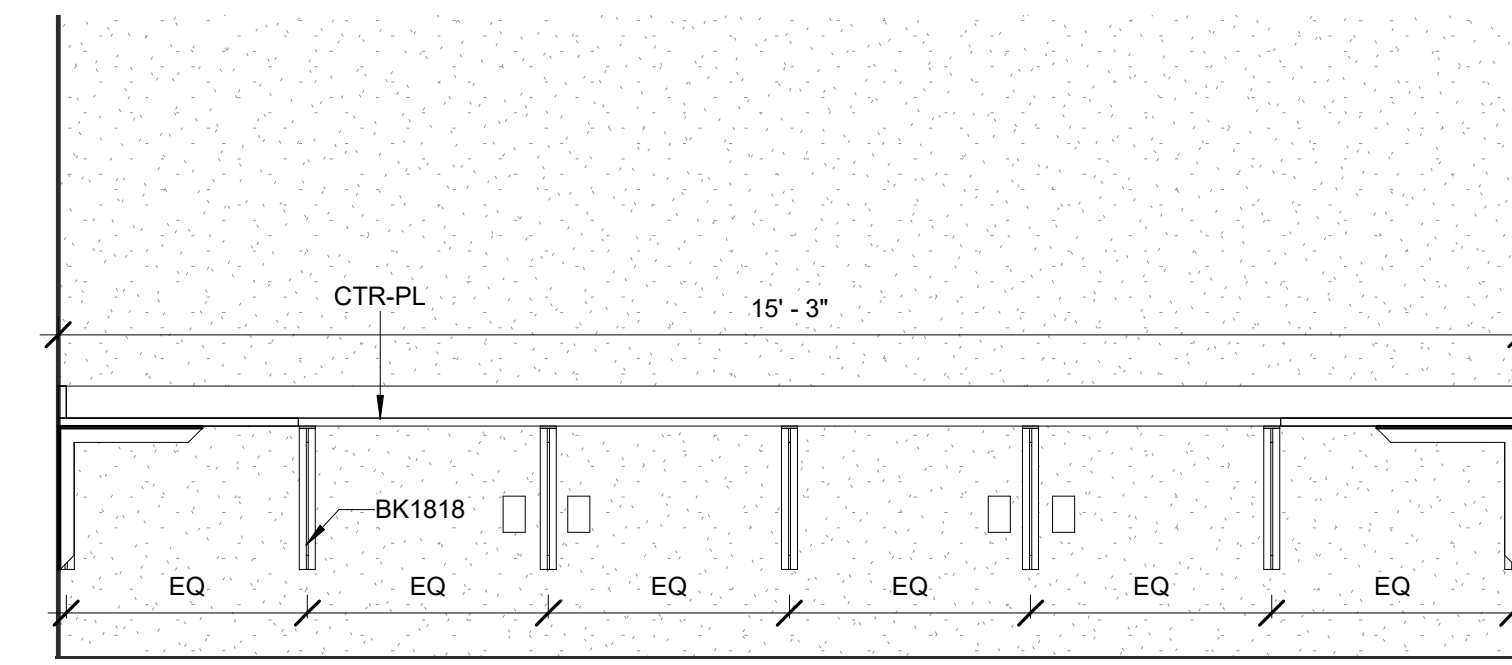
5 A303A - BioTech - Prep
1/2" = 1'-0"



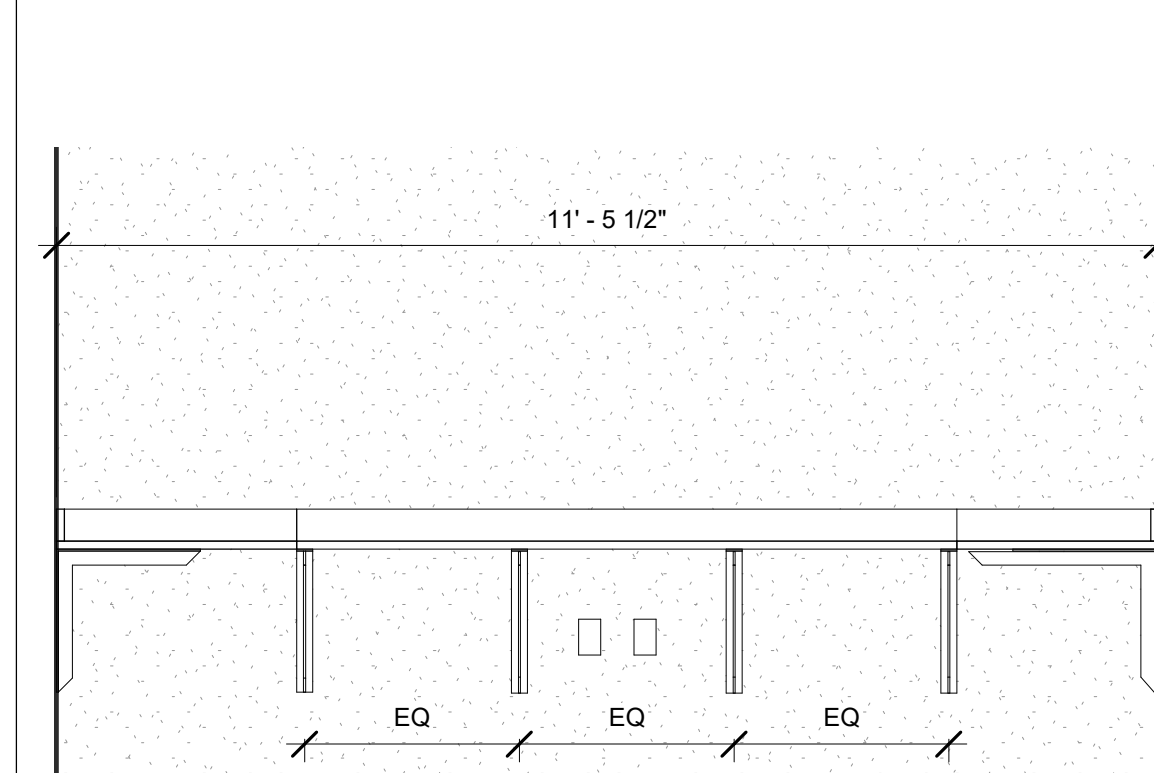
6 A303D - BioTech - Office - East
1/2" = 1'-0"



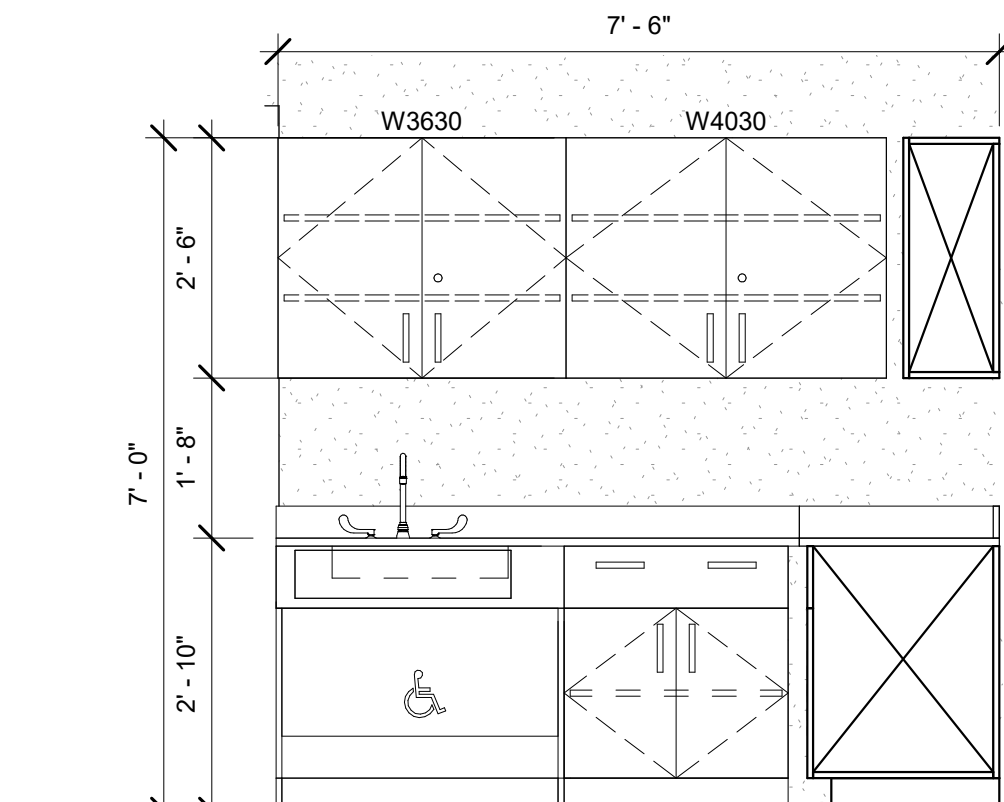
7 A303D - BioTech - Office - North
1/2" = 1'-0"



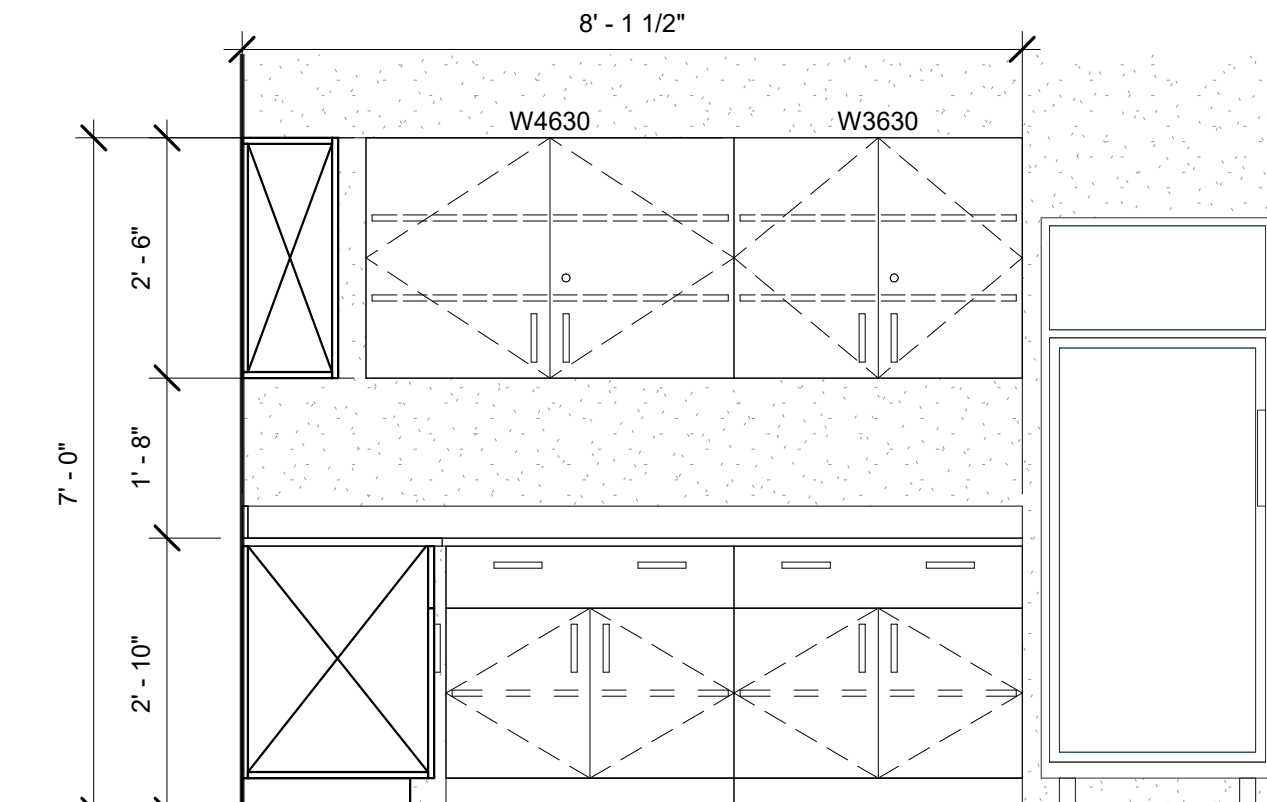
8 A303D - BioTech - Office - South
1/2" = 1'-0"



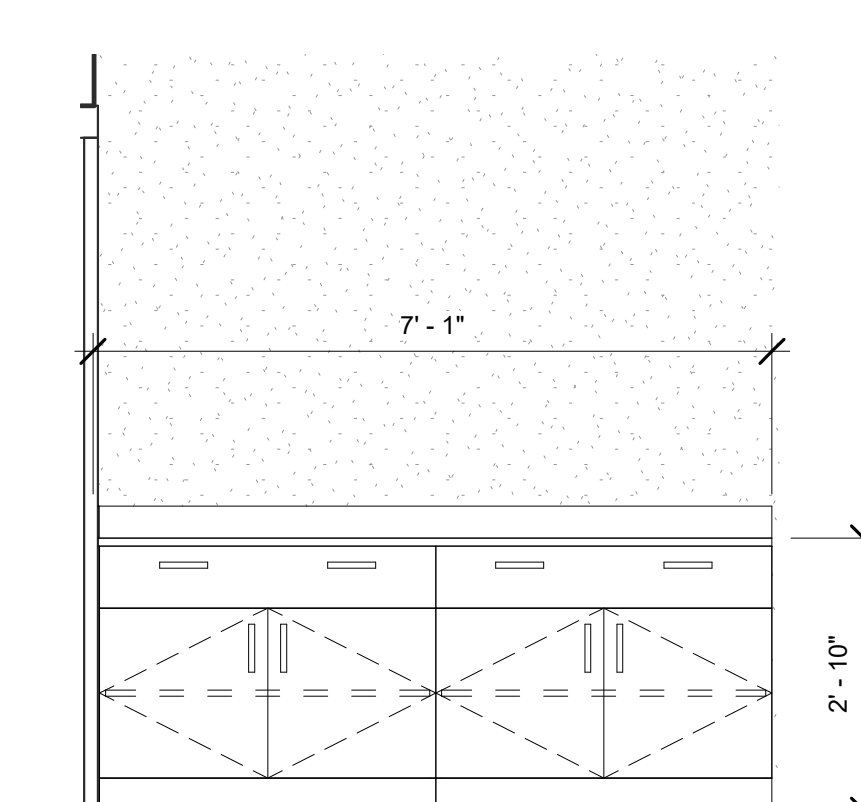
9 A303D - BioTech - Office - West
1/2" = 1'-0"



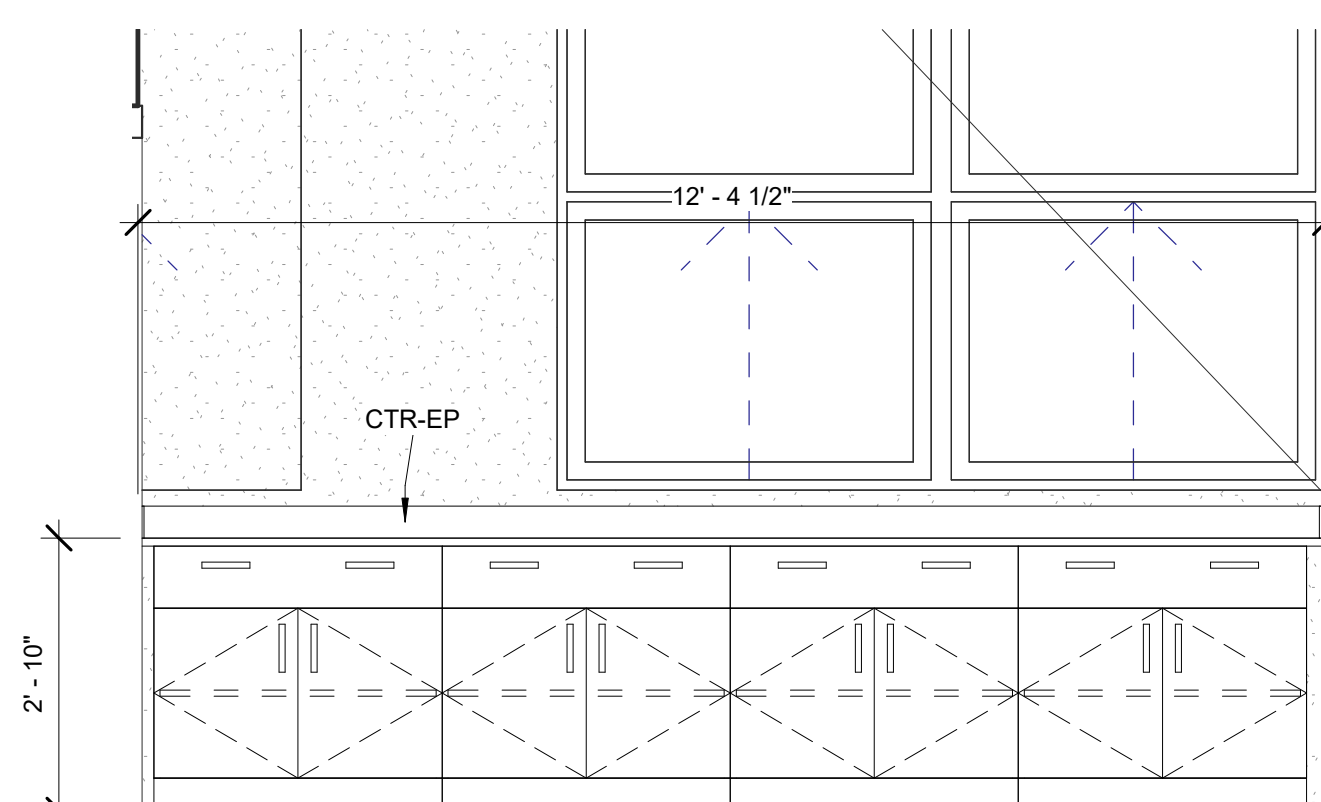
10 A303H - BioTech - Lab - East
1/2" = 1'-0"



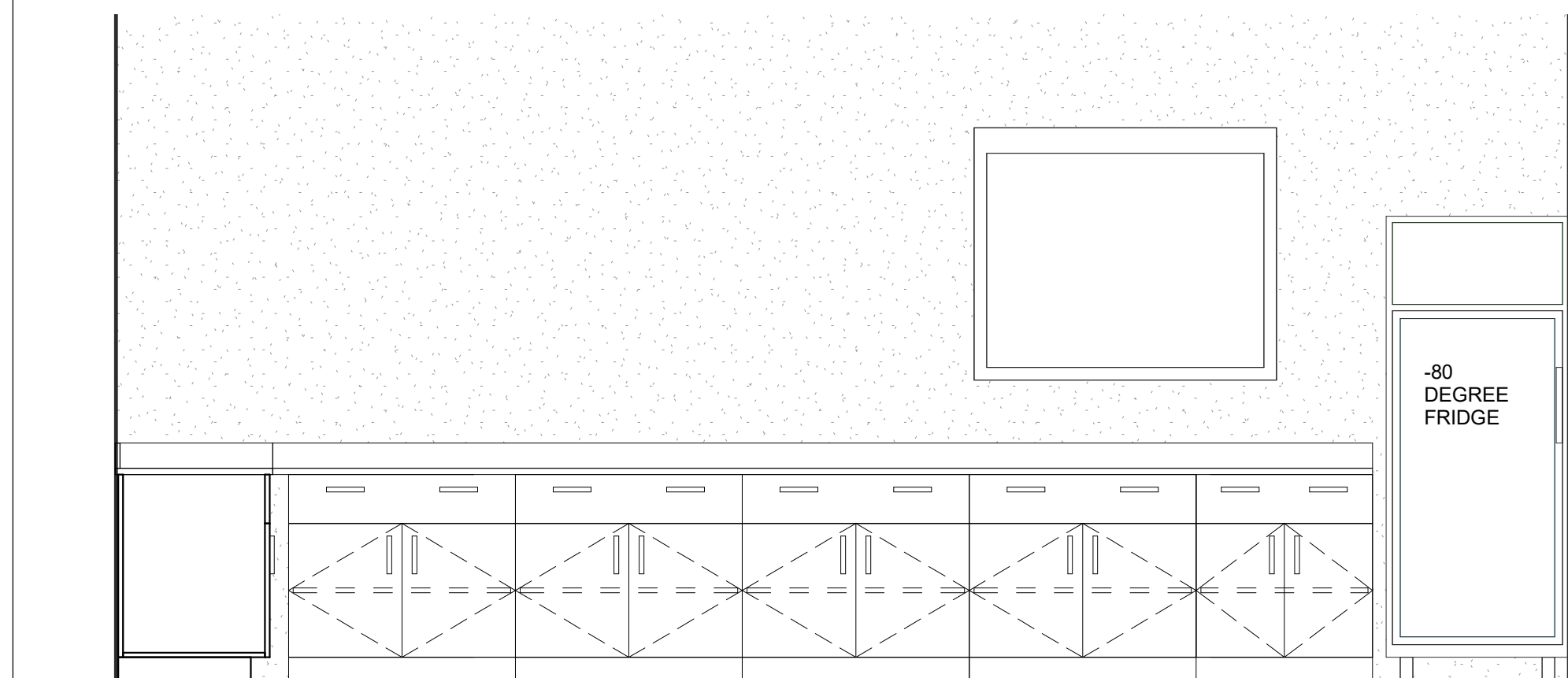
11 A303H - BioTech - Lab - South
1/2" = 1'-0"



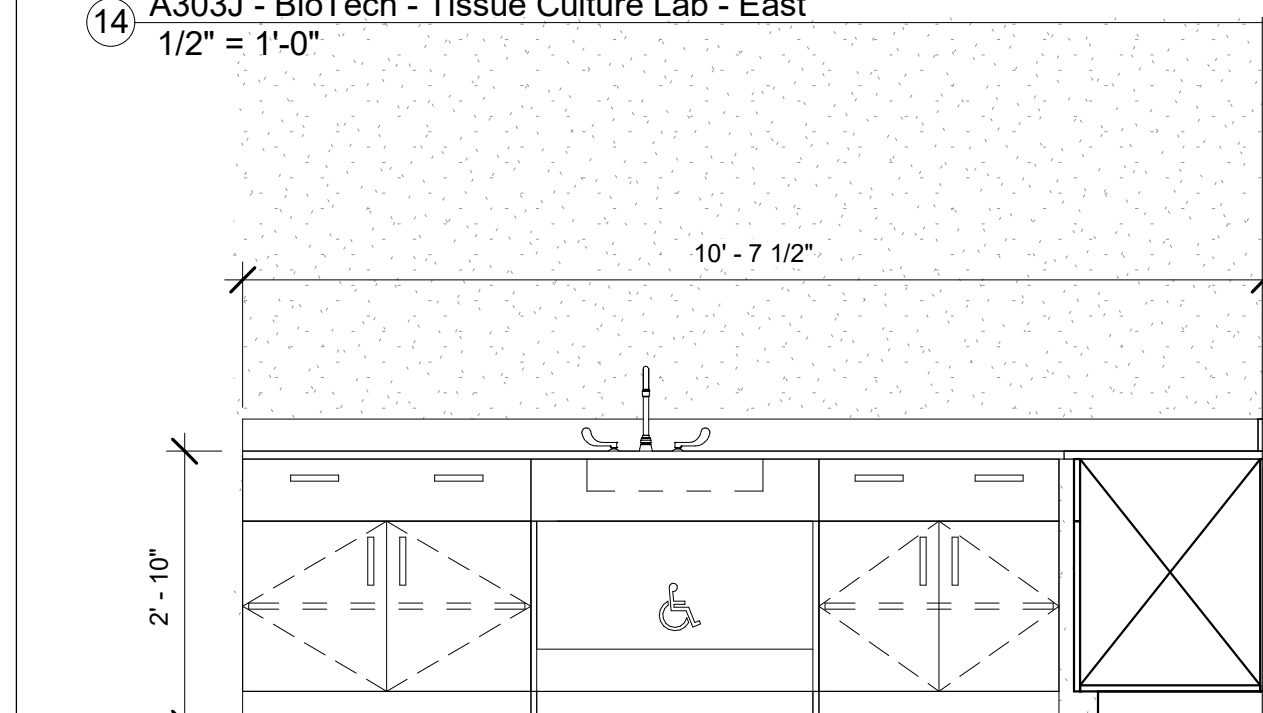
12 A303H - BioTech - Lab - West
1/2" = 1'-0"



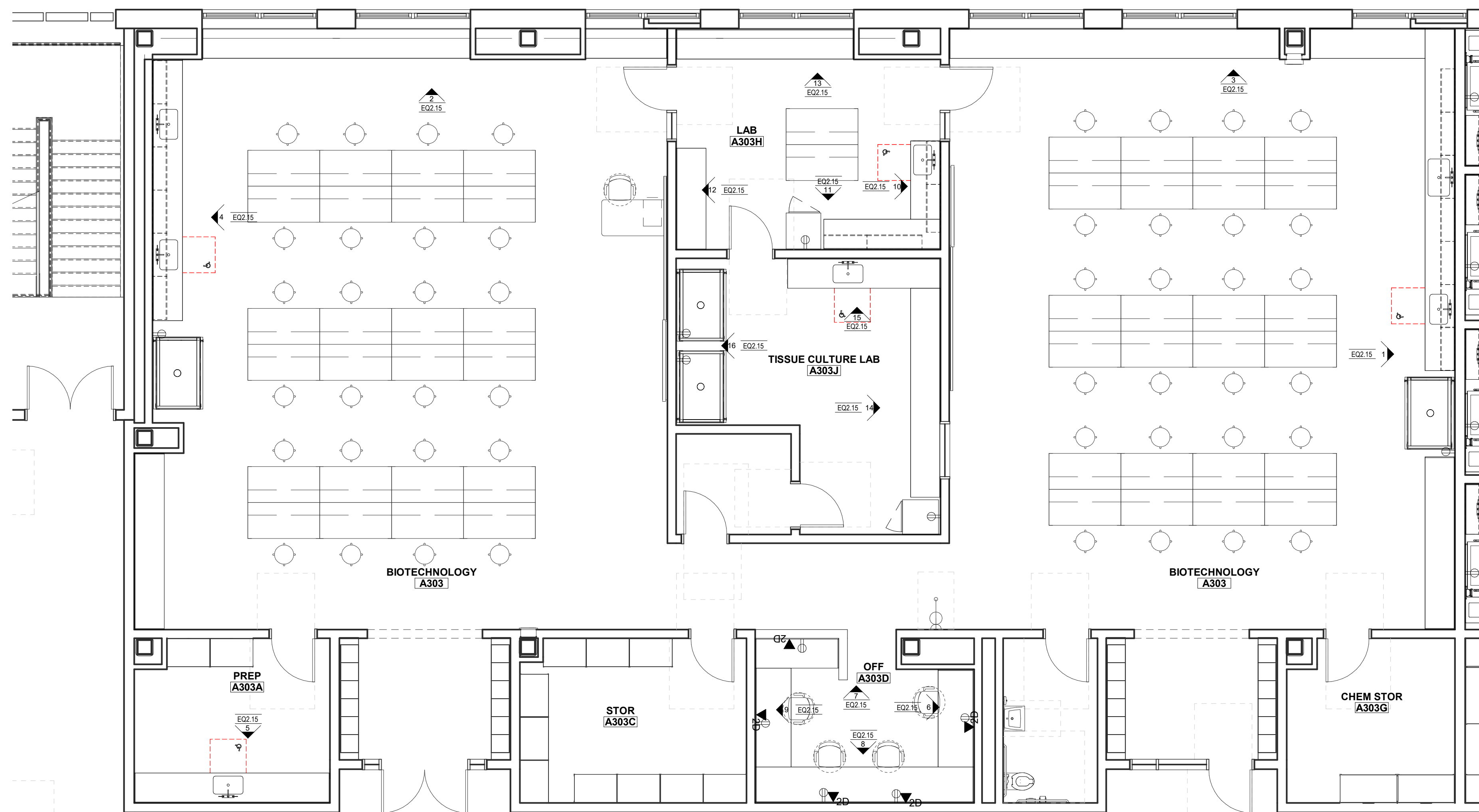
13 A303H - BioTech - Lab - North
1/2" = 1'-0"



14 A303J - BioTech - Tissue Culture Lab - East
1/2" = 1'-0"



15 A303J - BioTech - Tissue Culture Lab - North
1/2" = 1'-0"



25 Level 3 - BioTech
3/16" = 1'-0"

Casework Keynote Legend	
Key Value	Keynote Text
B12833	BASE CABINET 1 DWR 28Wx24Dx33H
B13033	BASE CABINET 1 DWR 30Wx24Dx33H
B13233	BASE CABINET 1 DWR 32Wx24Dx33H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
B14233	BASE CABINET 1 DWR 42Wx24Dx33H
BK1818	COUNTERTOP BRACKET 18WX18H
BS3633	BASE SINK 36Wx24Dx33H
CTR-EP	COUNTERTOP EPOXY RESIN
CTR-PL	COUNTERTOP PLASTIC LAMINATE
FH-1	FUMEHOOD - DUCTLESS, ADA BASE
S/F-S01	SINK/FIXTURES EPOXY RESIN DROP-IN SINK, 25"X15"X11", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12. FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
S/F-S02	SINK/FIXTURES EPOXY RESIN ADA DROP-IN SINK, 25"X15"X5", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12. FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
W3630	WALL CABINET SOLID DOOR 36Wx12Dx30H
W4030	WALL CABINET SOLID DOOR 40Wx12Dx30H

DRA

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Metropolitan
Regional
Vocational High School

Wakefield, MA 01880

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90% MSBA CD
SET

MAY 12, 2023

KEY PLAN

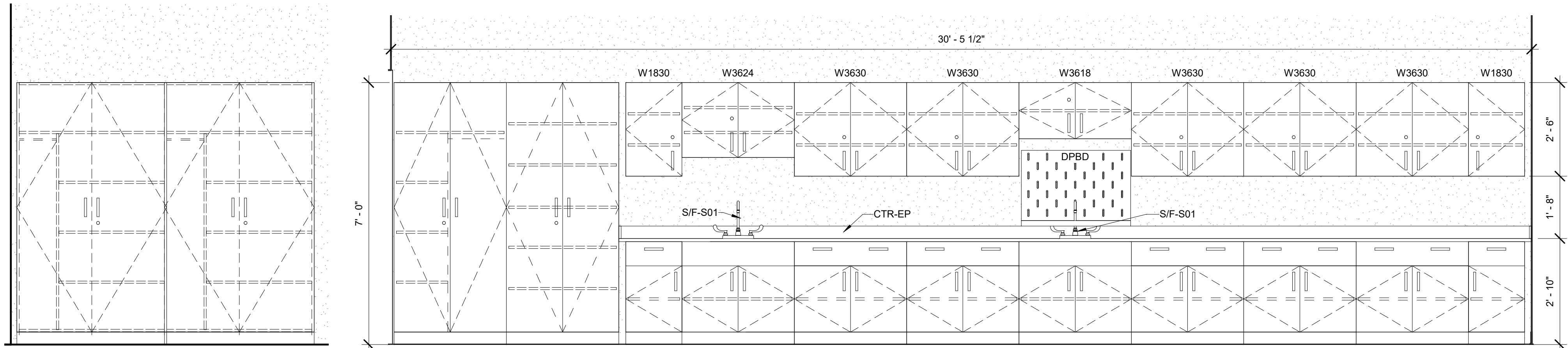
PROJECT NORTH

MAGNETIC NORTH

BIOTECH
Casework &
Equipment

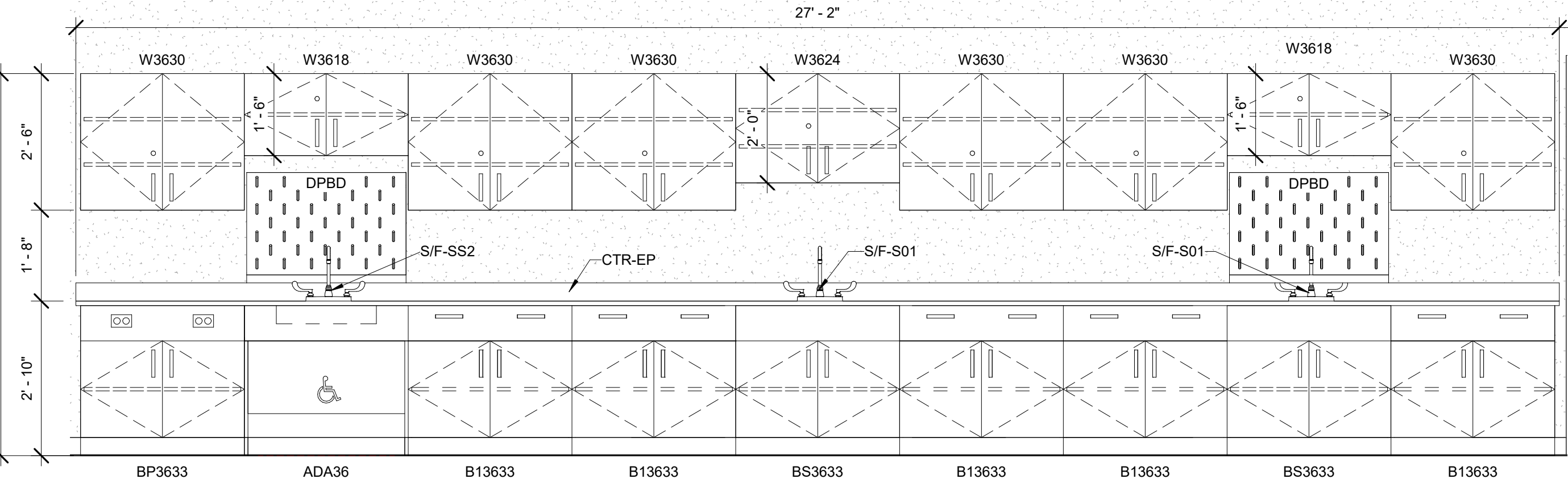
Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ2.15

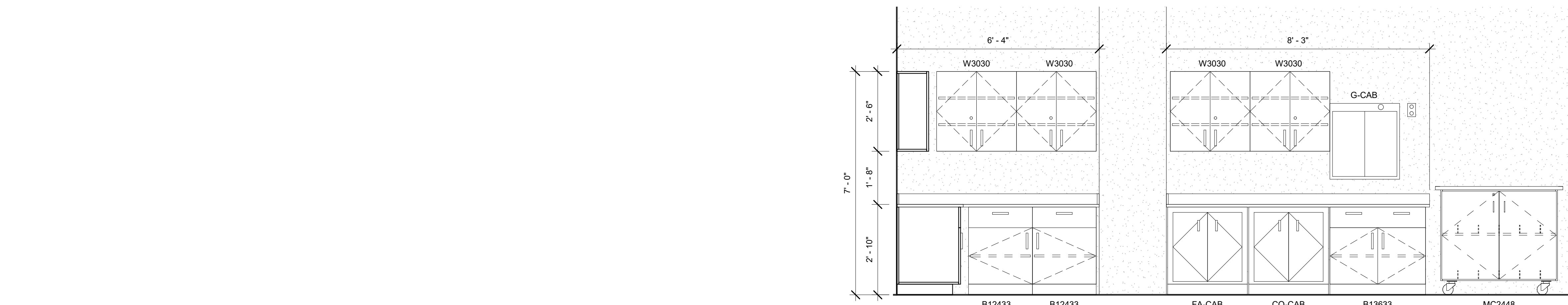


1 TYP CLR
1/2" = 1'-0"

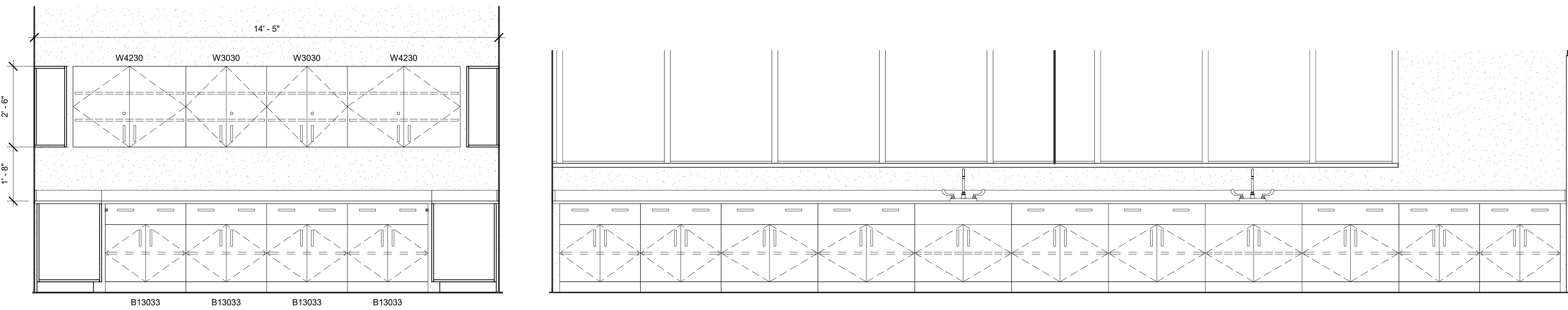
2 Science Lab - Typical @ Full Wall
1/2" = 1'-0"



4 Science Lab - Typical for North & South
1/2" = 1'-0"

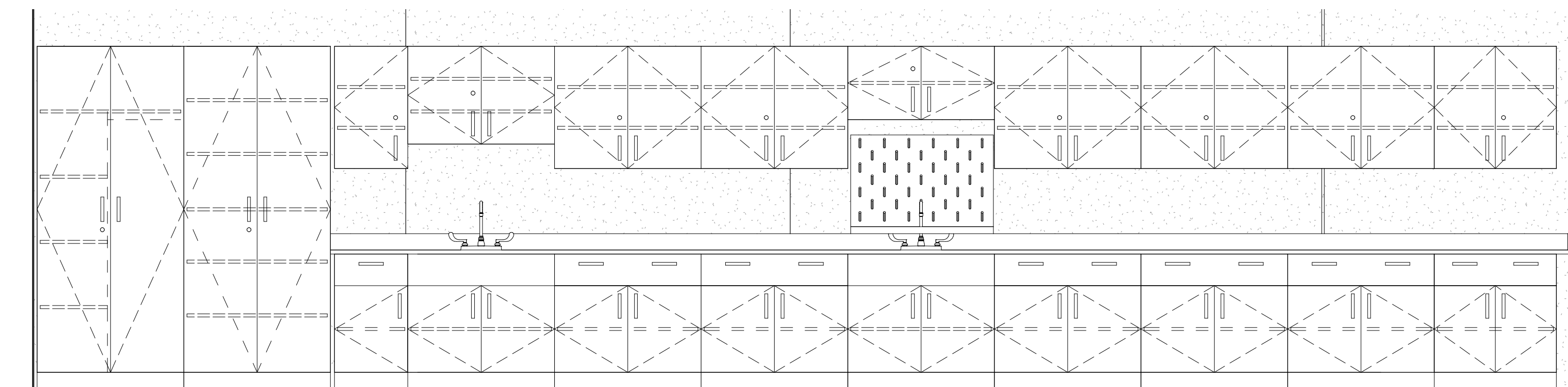


8 B316 - SCI PREP, North
1/2" = 1'-0"

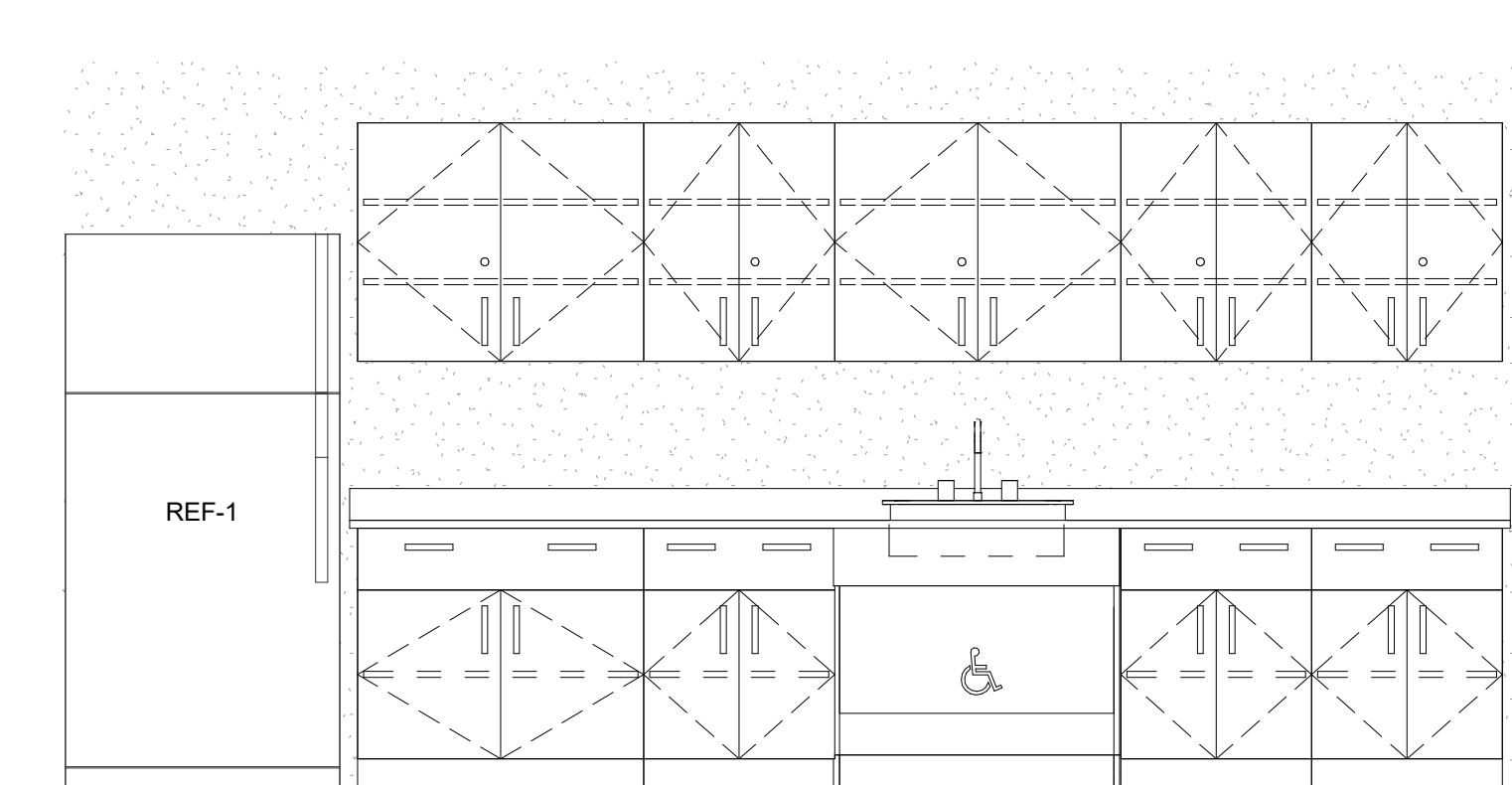


10 B316 - SCI PREP, West
1/2" = 1'-0"

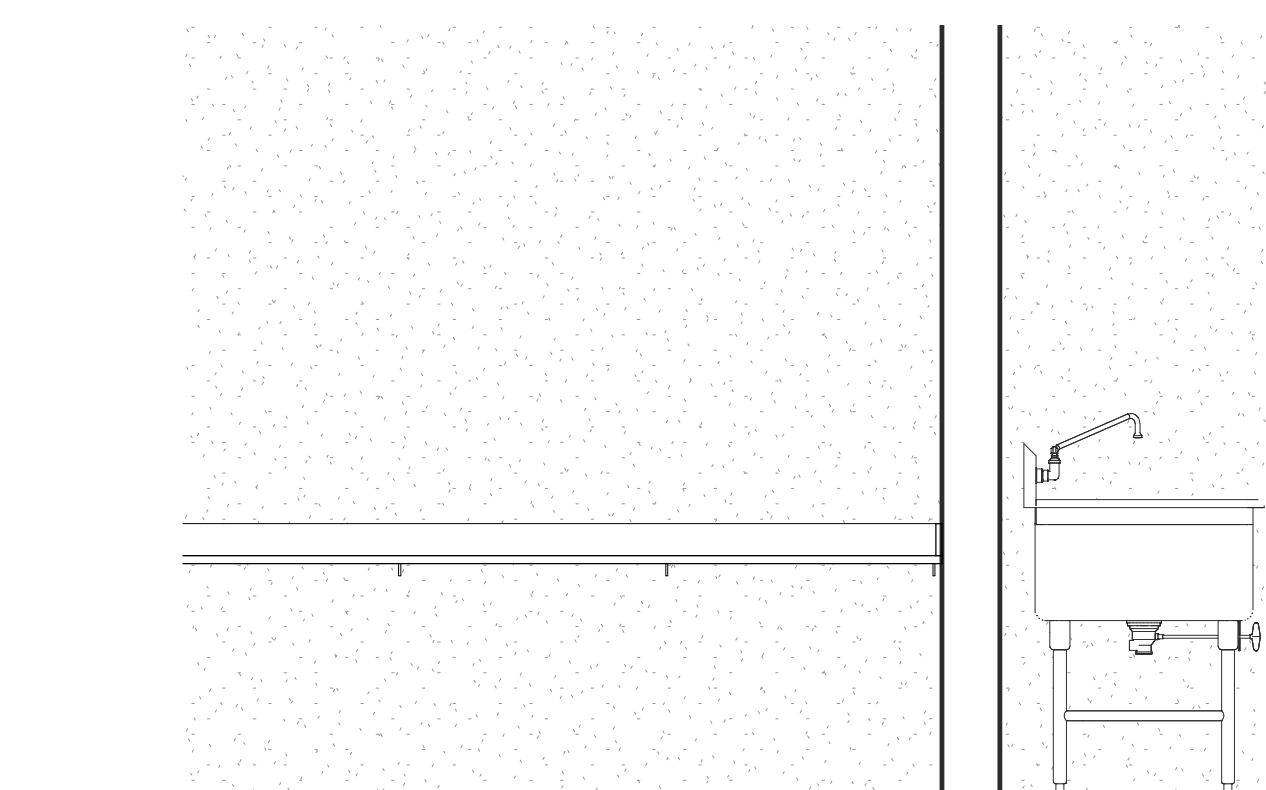
11 B322 - SCI LAB, East
1/2" = 1'-0"



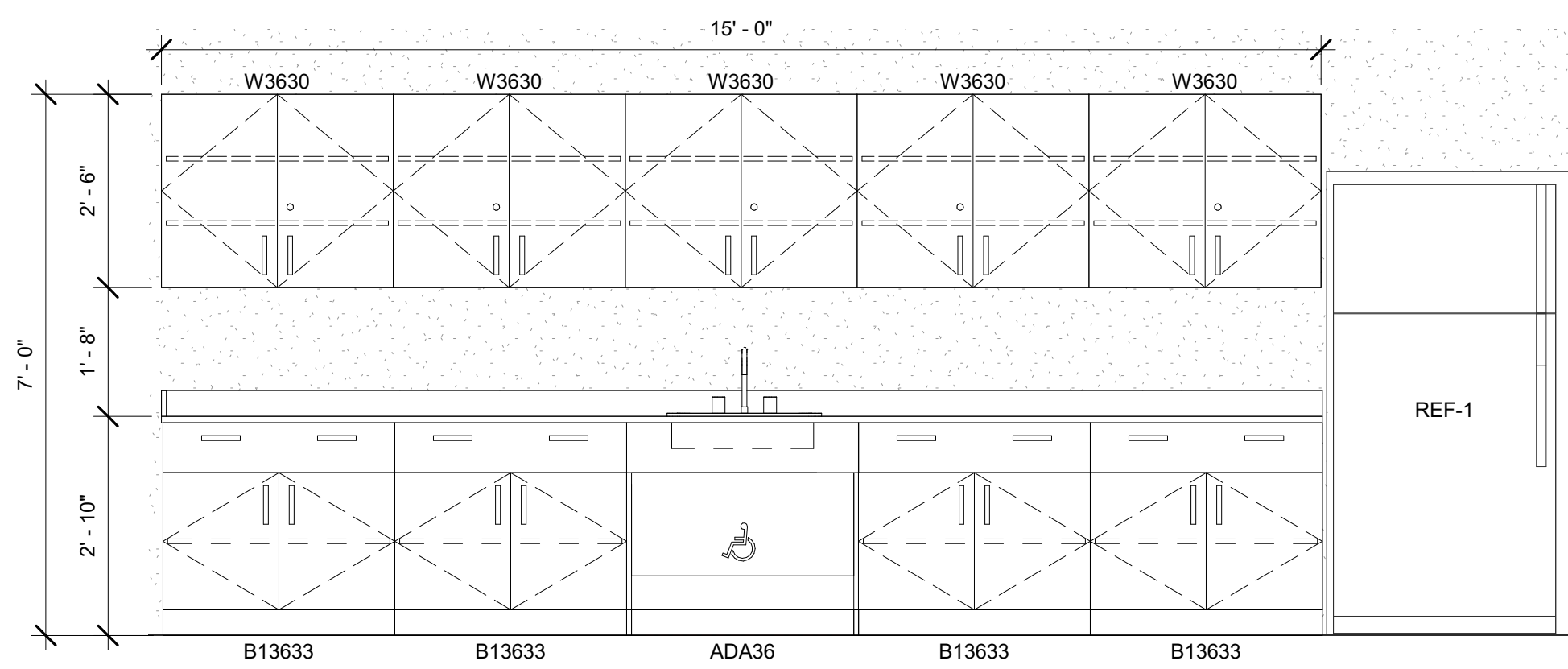
13 B322 - SCI LAB, West
1/2" = 1'-0"



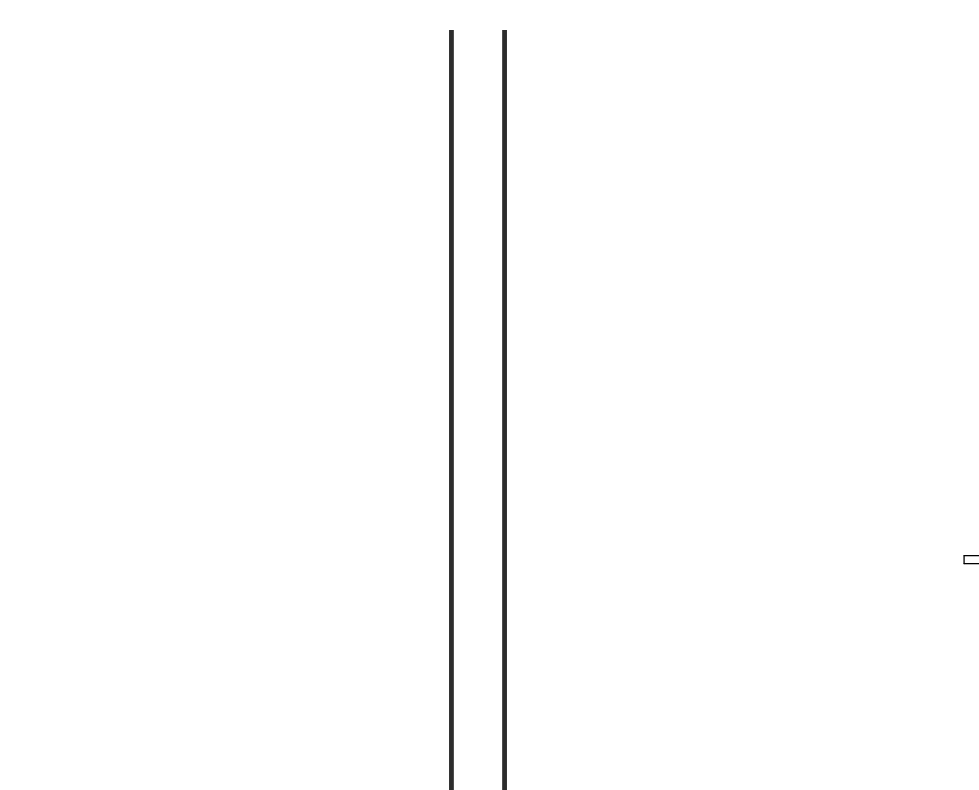
16 A111 - Staff Lunch, East
1/2" = 1'-0"



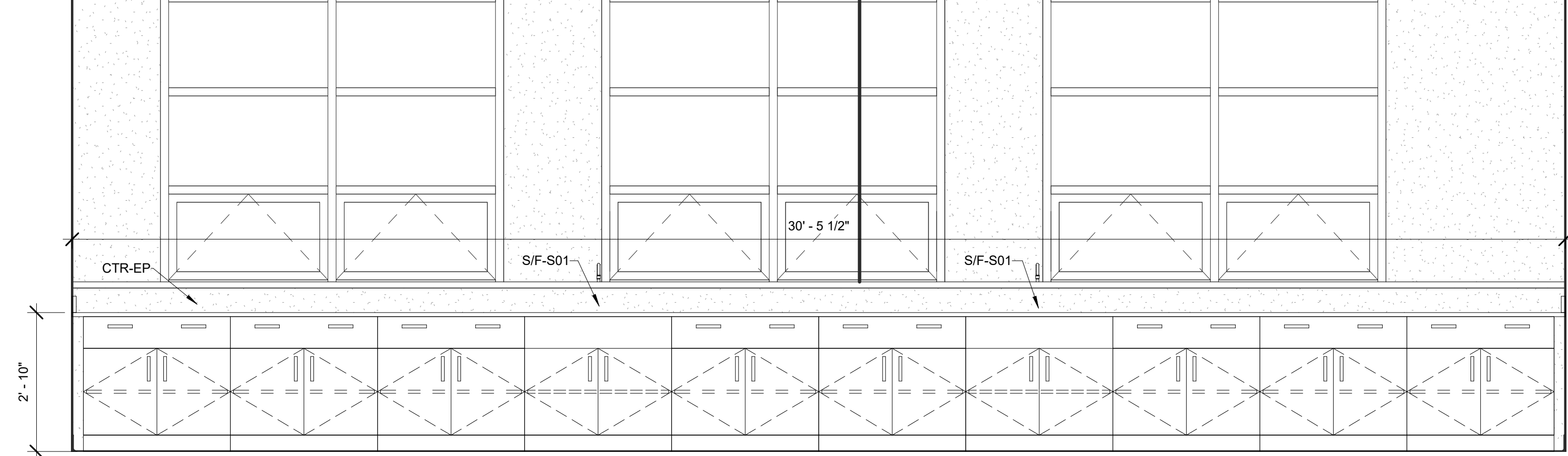
17 A148G - Culinary Office, East
1/2" = 1'-0"



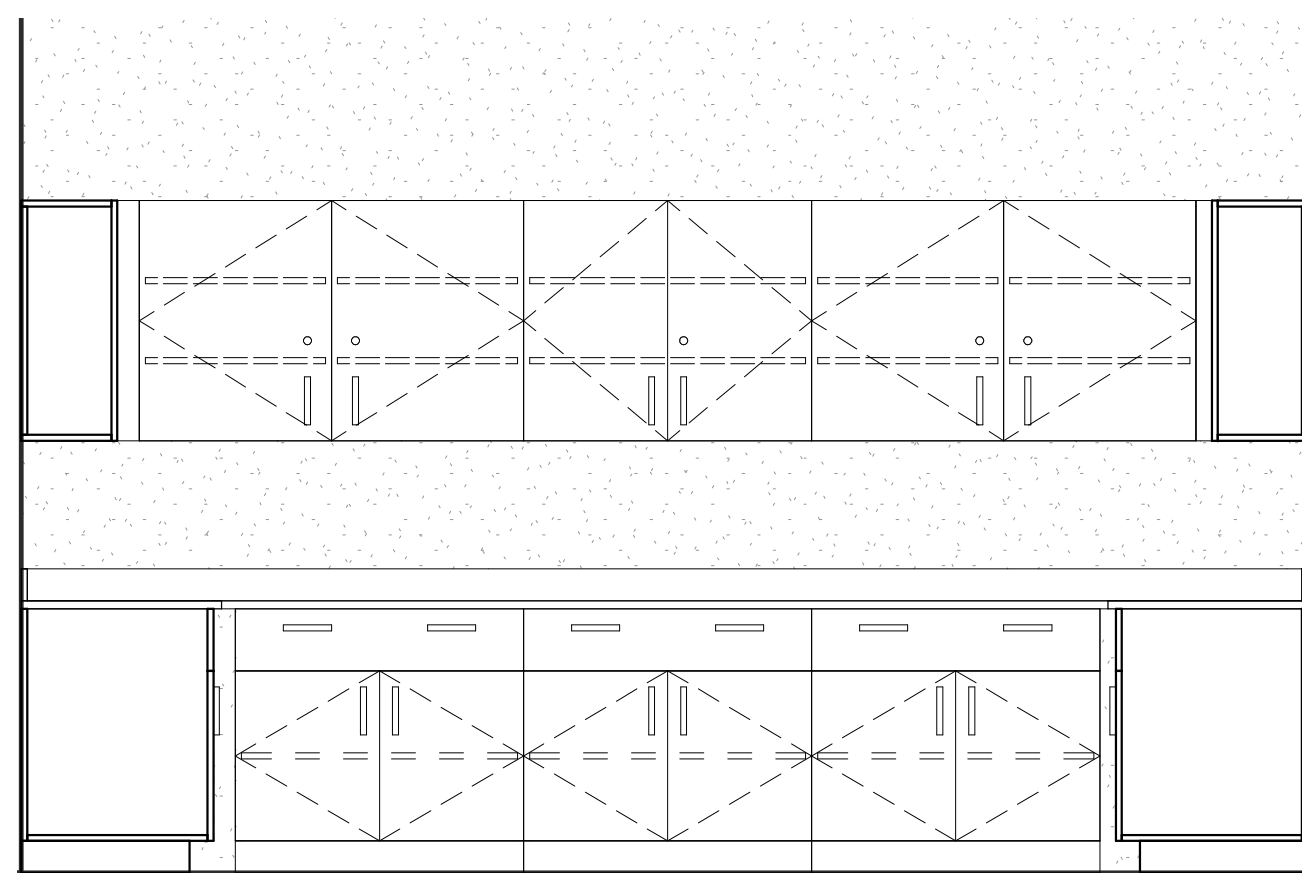
14 A131 - Duplicating - East
1/2" = 1'-0"



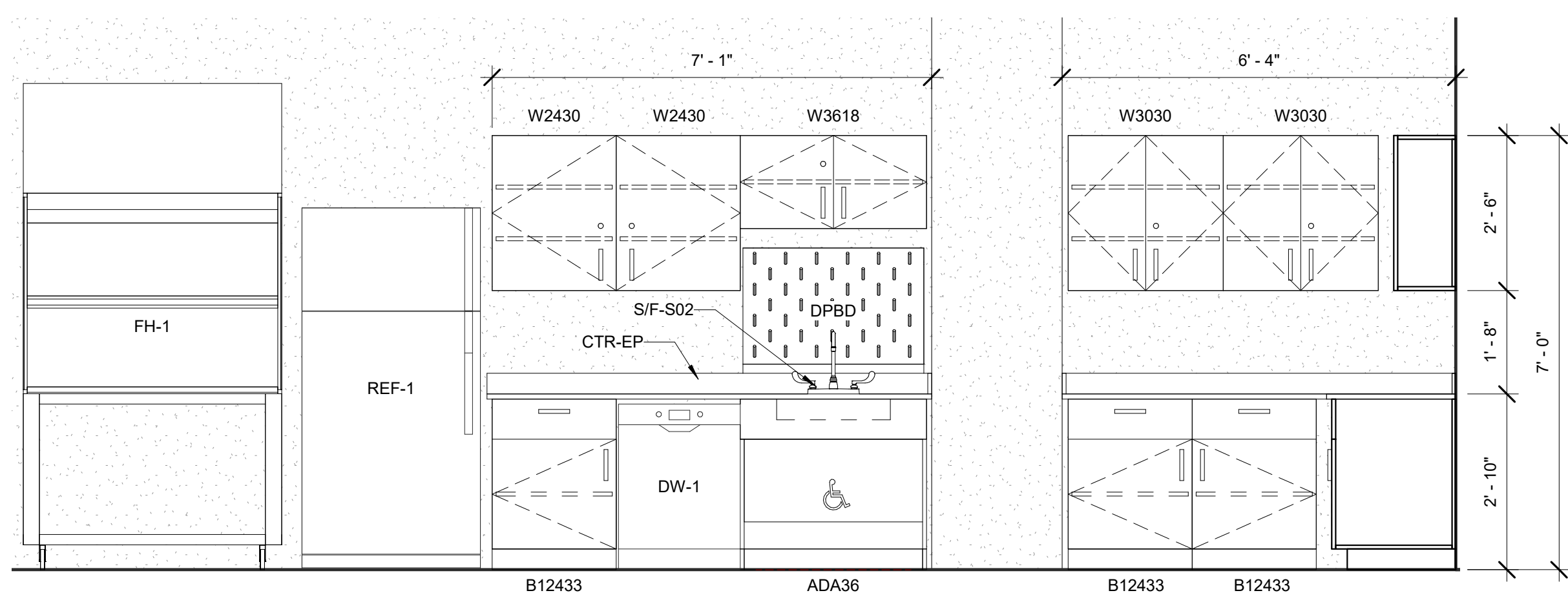
18 A148G - Culinary Office, North
1/2" = 1'-0"



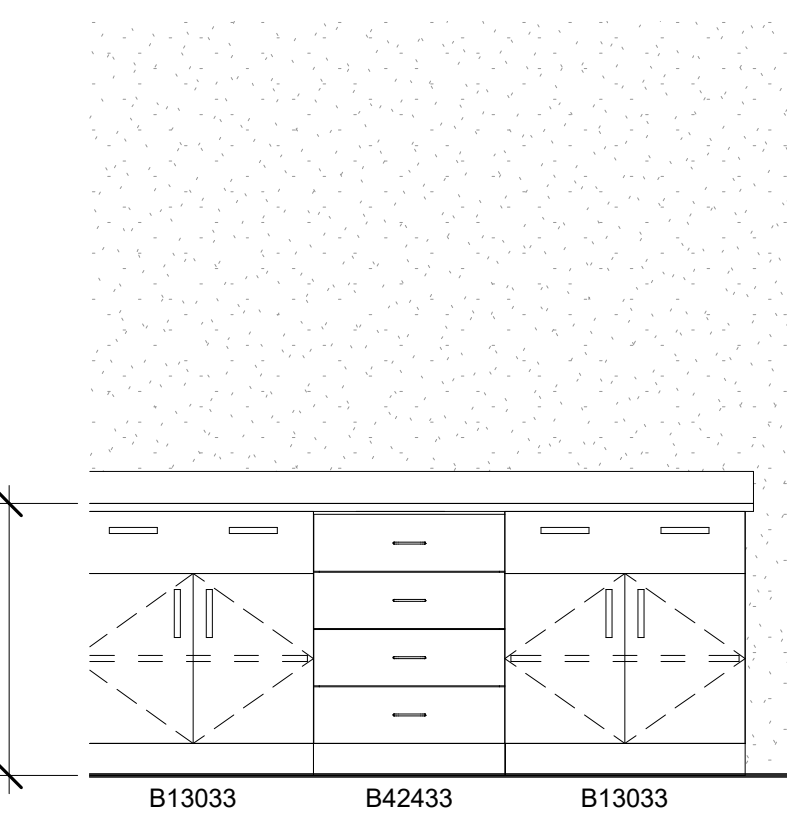
3 Science Lab - Typical @ Window Wall
1/2" = 1'-0"



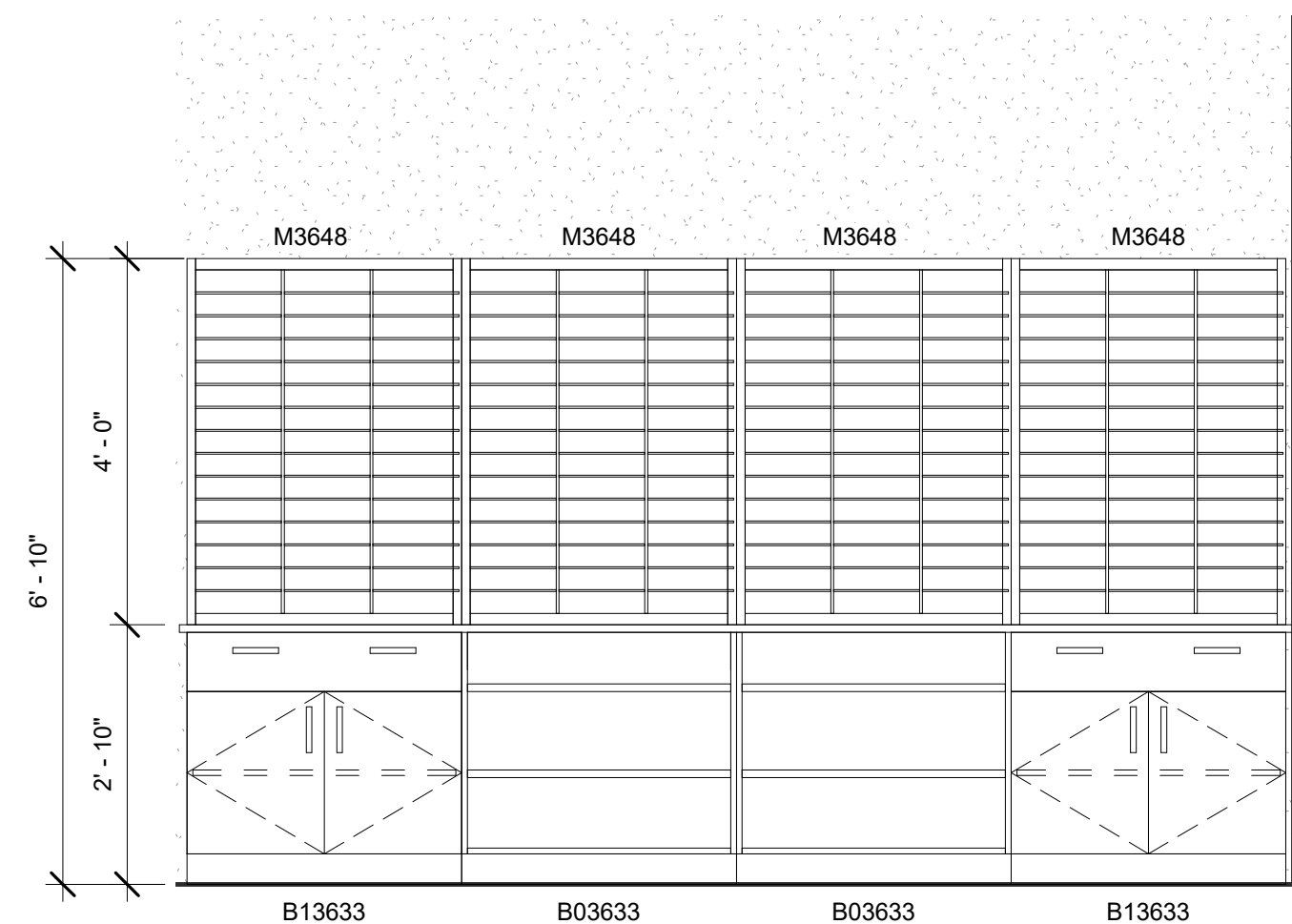
6 Science Prep - Typical for East or West
1/2" = 1'-0"



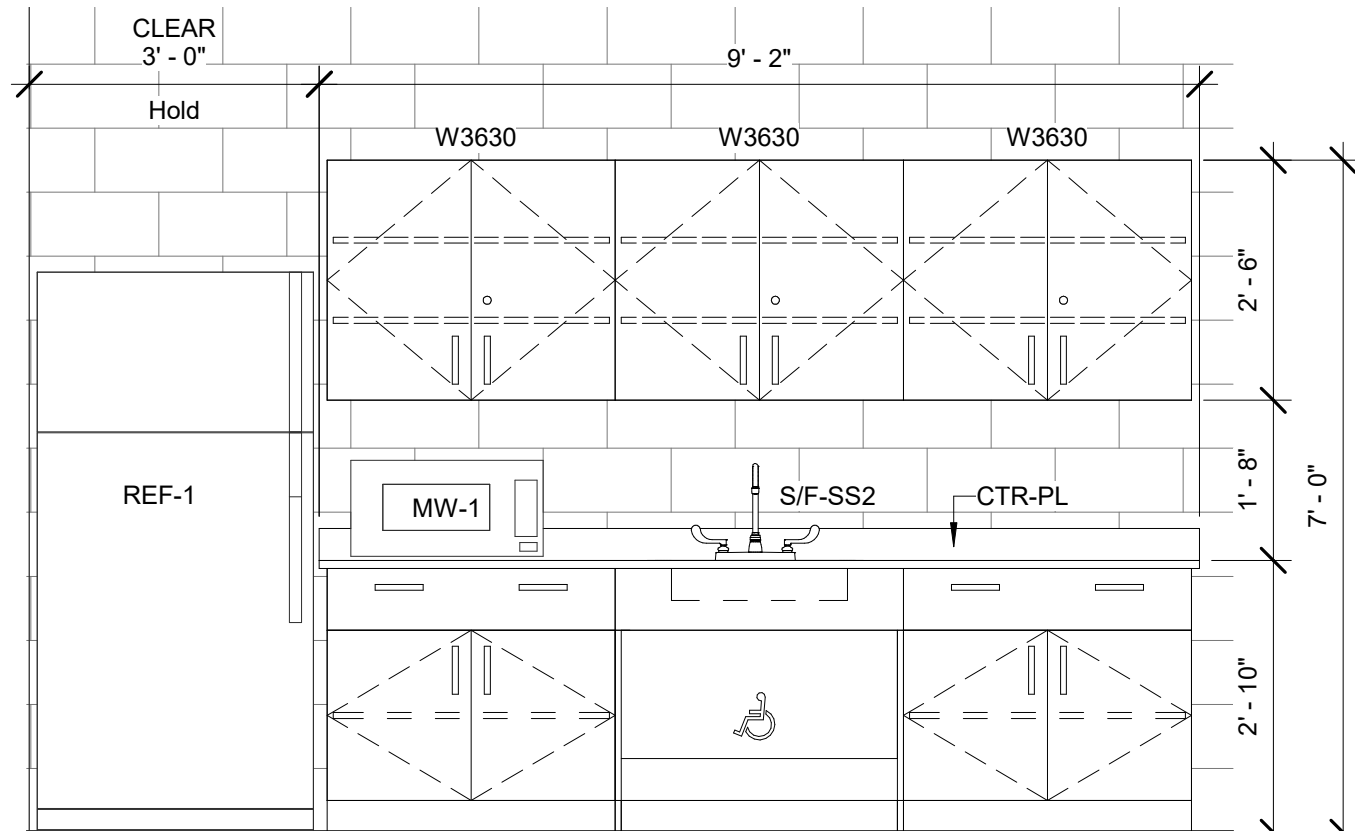
9 B316 - SCI PREP, South
1/2" = 1'-0"



12 A125 - Corridor
1/2" = 1'-0"

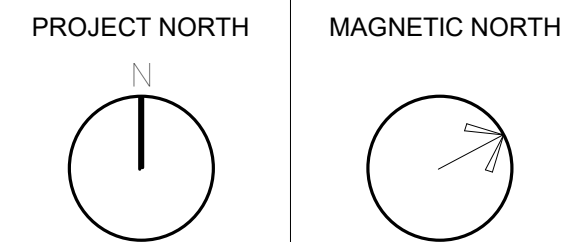
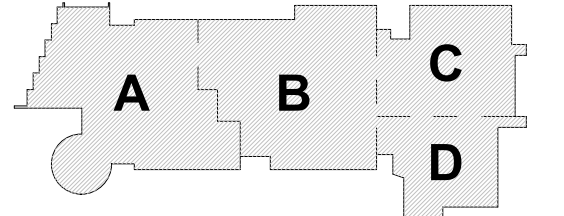


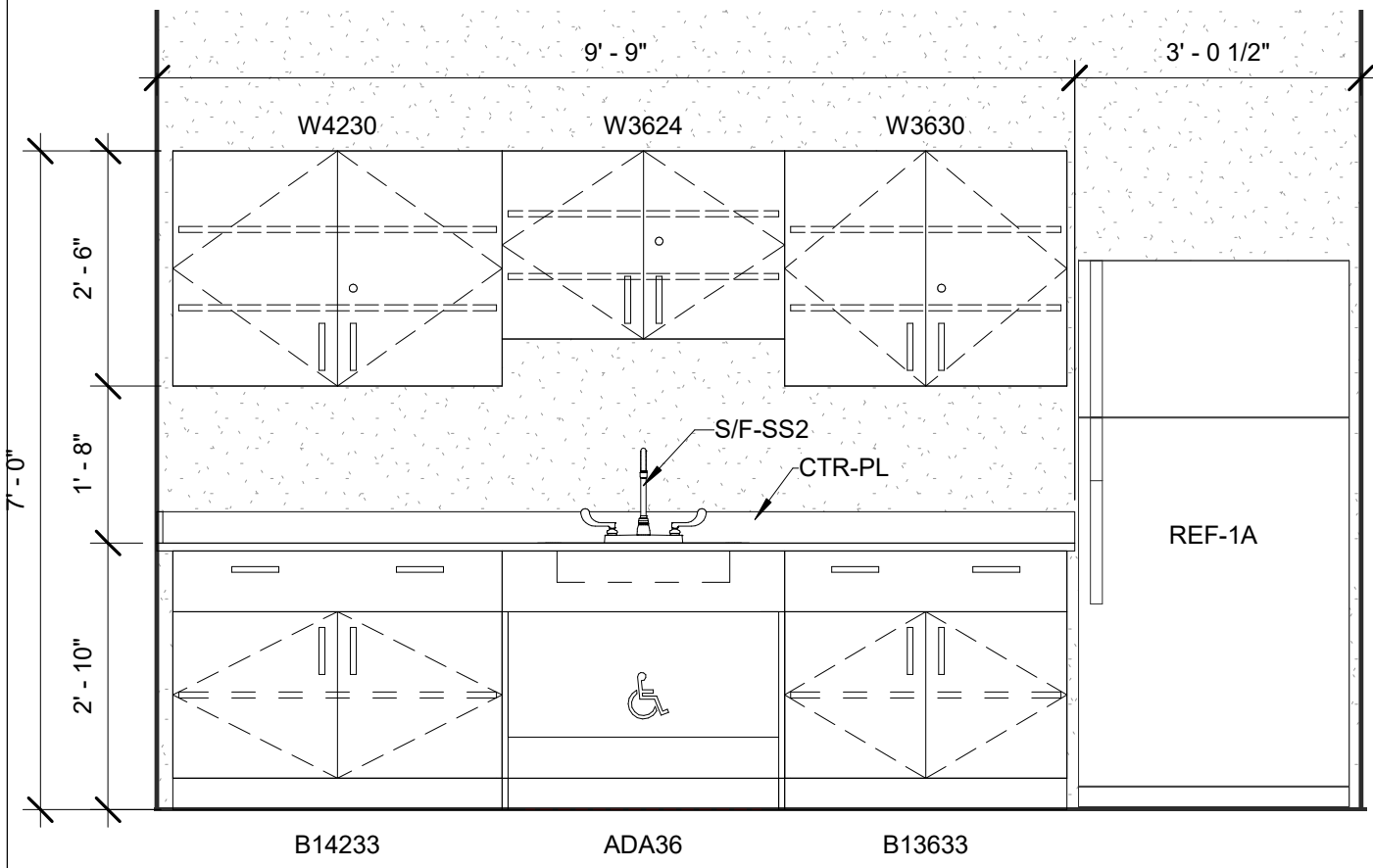
15 A139 - Mail, North
1/2" = 1'-0"



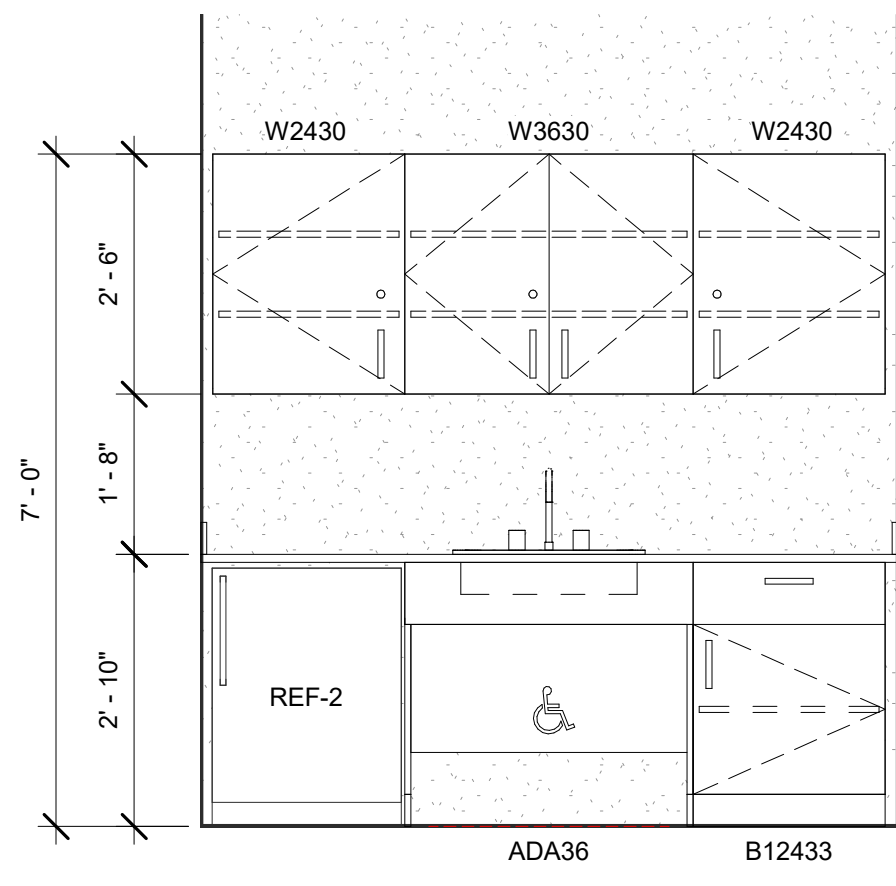
19 C020 - Cust Workshop
1/2" = 1'-0"

Casework Keynote Legend	
Key Value	Keynote Text
B03633	BASE CABINET OPEN (2) ADJ. SHELVES 36Wx24Dx33H
B11833	BASE CABINET 1 DWR 18Wx24Dx33H
B12433	BASE CABINET 1 DWR 24Wx24Dx33H
B13033	BASE CABINET 1 DWR 30Wx24Dx33H
B13633	BASE CABINET 1 DWR 36Wx24Dx33H
B1363318	BASE CABINET 1 DWR 36Wx18Dx33H
BS3633	BASE SINK 36Wx24Dx33H
CO-CAB	CORROSIVE/ACID CABINET
CTR-EP	COUNTERTOP EPOXY RESIN
CTR-PL	COUNTERTOP PLASTIC LAMINATE
DPBD	DRIP BOARD
DW-1	DISH WASHER
FA-CAB	FLAMMABLE CABINET
FH-1	FUMEHOOD - DUCTLESS, ADA BASE
G-CAB	GOGGLE CABINET W/GERMICIDAL SANITIZING LAMP & 35 GOGGLES
M3648	MAIL SLOTS 36Wx48Hx13D (45) ADJ. SLOTS W/NAME TAGS
MW-1	MICROWAVE
REF-1	REFRIGERATOR
S/F-S01	SINK/FIXTURES EPOXY RESIN DROP-IN SINK, 25"x15"x11", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12, FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
S/F-S02	SINK/FIXTURES EPOXY RESIN ADA DROP-IN SINK, 25"x15"x5", SINK OUTLET, STRAINER & TAILPIECE PROVIDED & INSTALLED BY DIV 12, FAUCET(S) PROVIDED BY DIV 12 & INSTALLED BY DIV 22 - PLUMBING
S/F-SS2	SINK/FIXTURES STAINLESS STEEL SINK 18X30X5 AND FAUCETS FURNISHED BY DIV 12, INSTALLED BY DIV 22
TS3626	TALL STORAGE 36Wx26Dx84H (1) FIXED SHELF, (4) ADJ. SHELVES
TW3626	TALL WARDROBE 36Wx26Dx84H 18Wx12Dx30H
W1830	WALL CABINET SOLID DOOR 18Wx12Dx30H
W2430	WALL CABINET SOLID DOOR 24Wx12Dx30H
W3030	WALL CABINET SOLID DOOR 30Wx12Dx30H
W3618	WALL CABINET SOLID DOOR 36Wx12Dx18H
W3624	WALL CABINET SOLID DOOR 36Wx12Dx24H
W3630	WALL CABINET SOLID DOOR 36Wx12Dx30H
W4230	WALL CABINET SOLID DOOR 42Wx12Dx30H

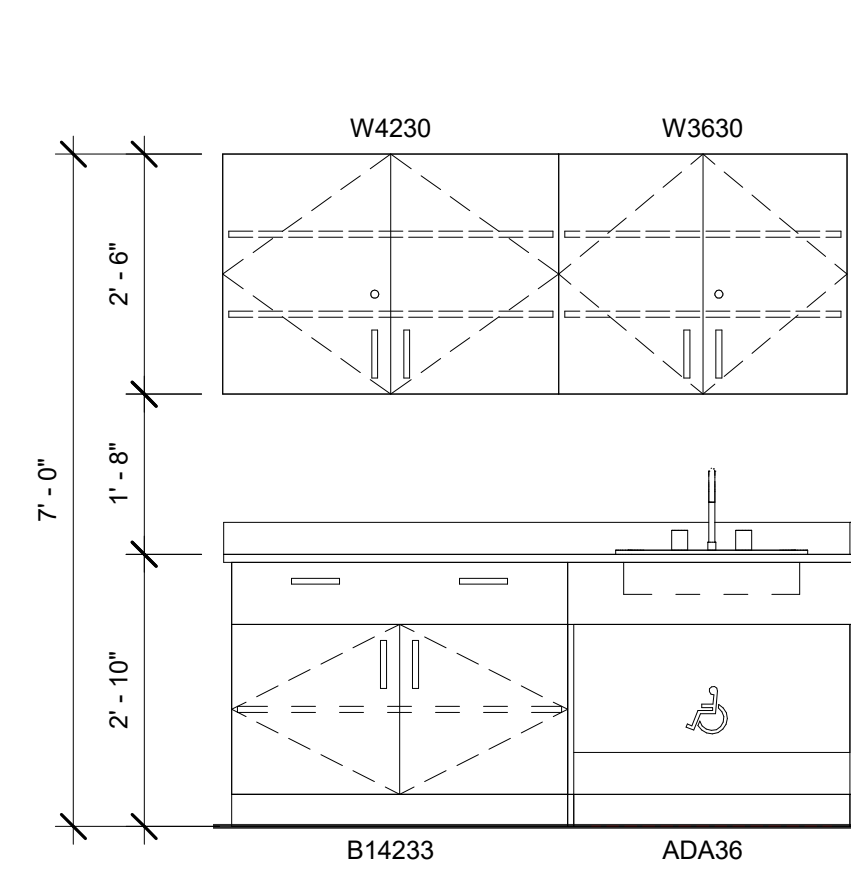




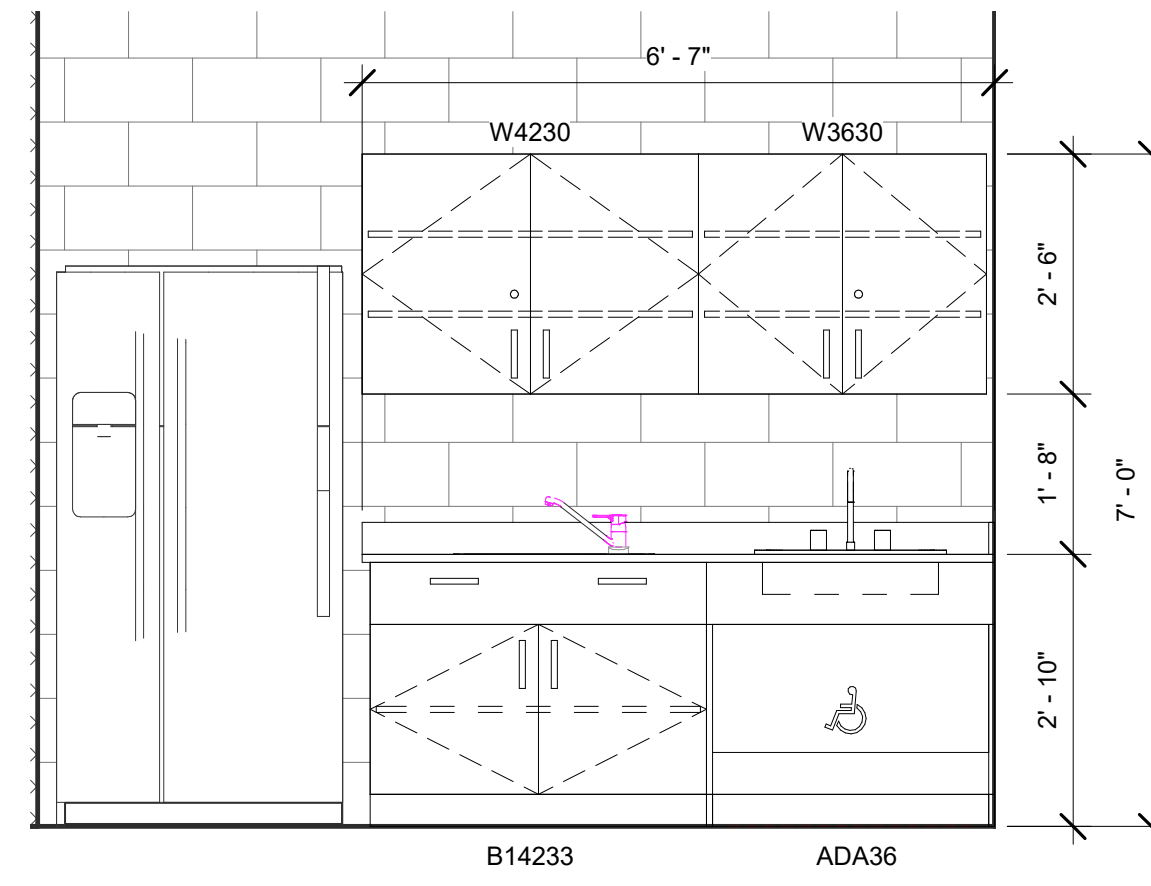
1 D105 - Nurse - Resting
1/2" = 1'-0"



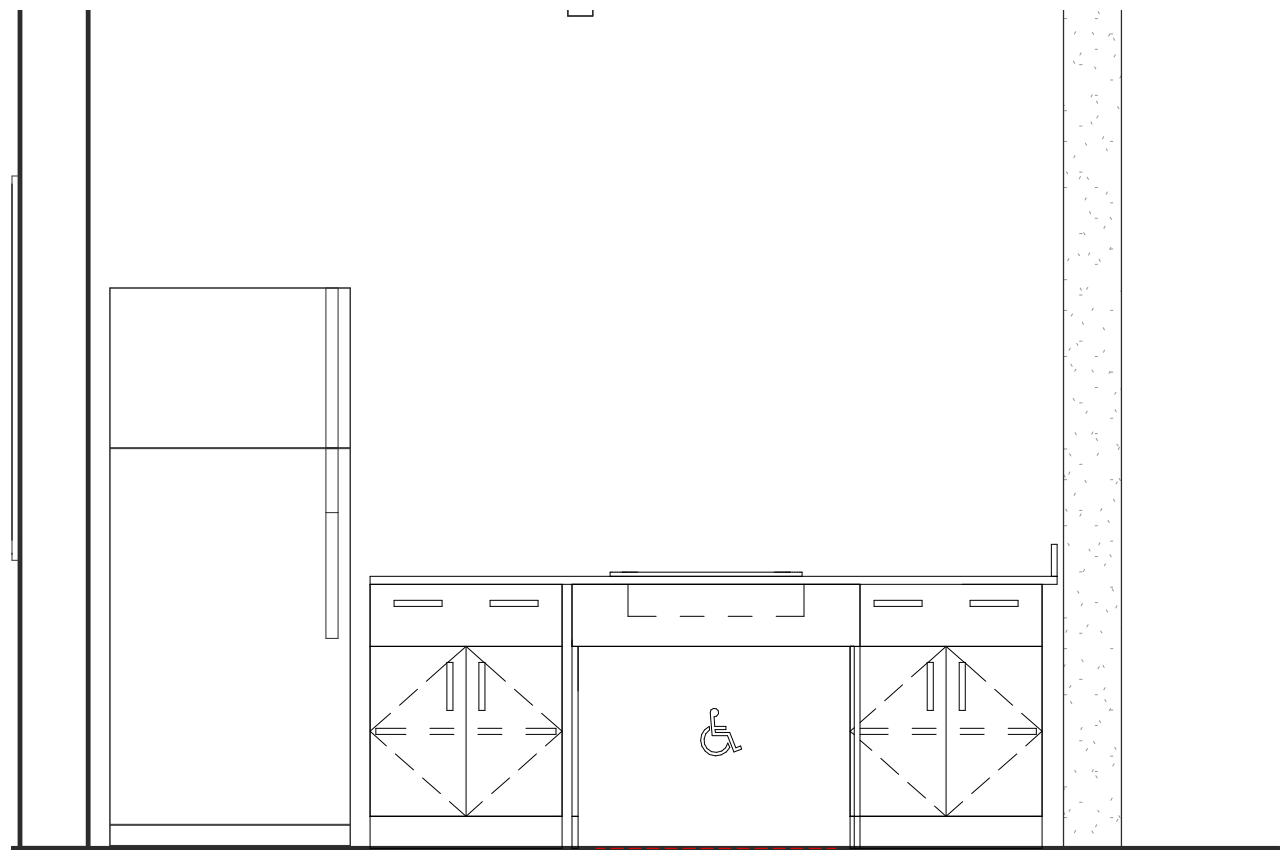
2 D109 - Nurse, Exam, South
1/2" = 1'-0"



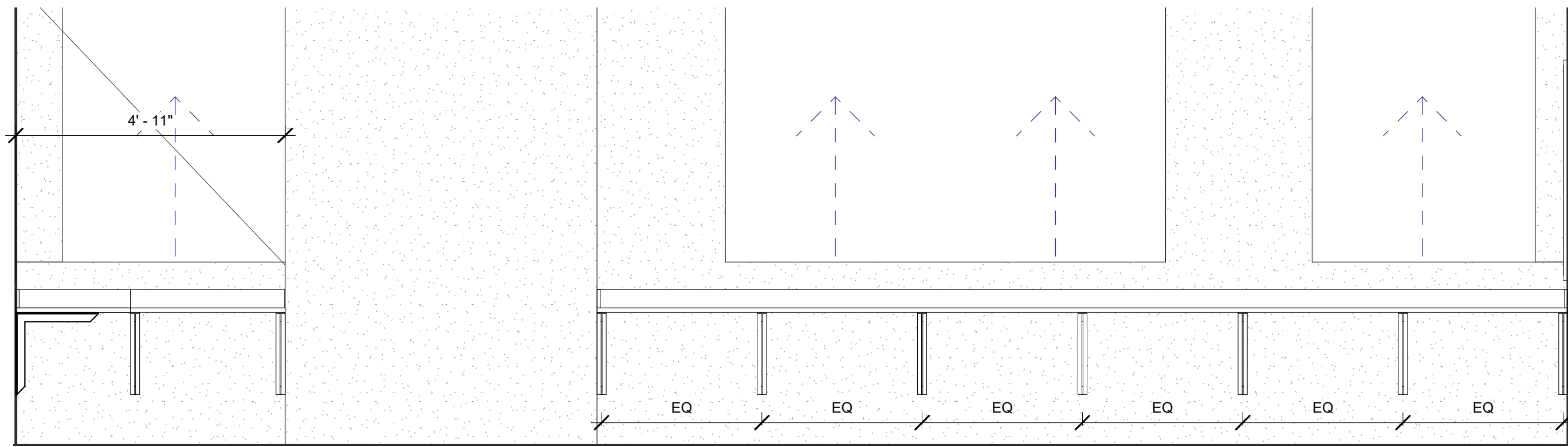
3 D110 - Nurse - Exam
1/2" = 1'-0"



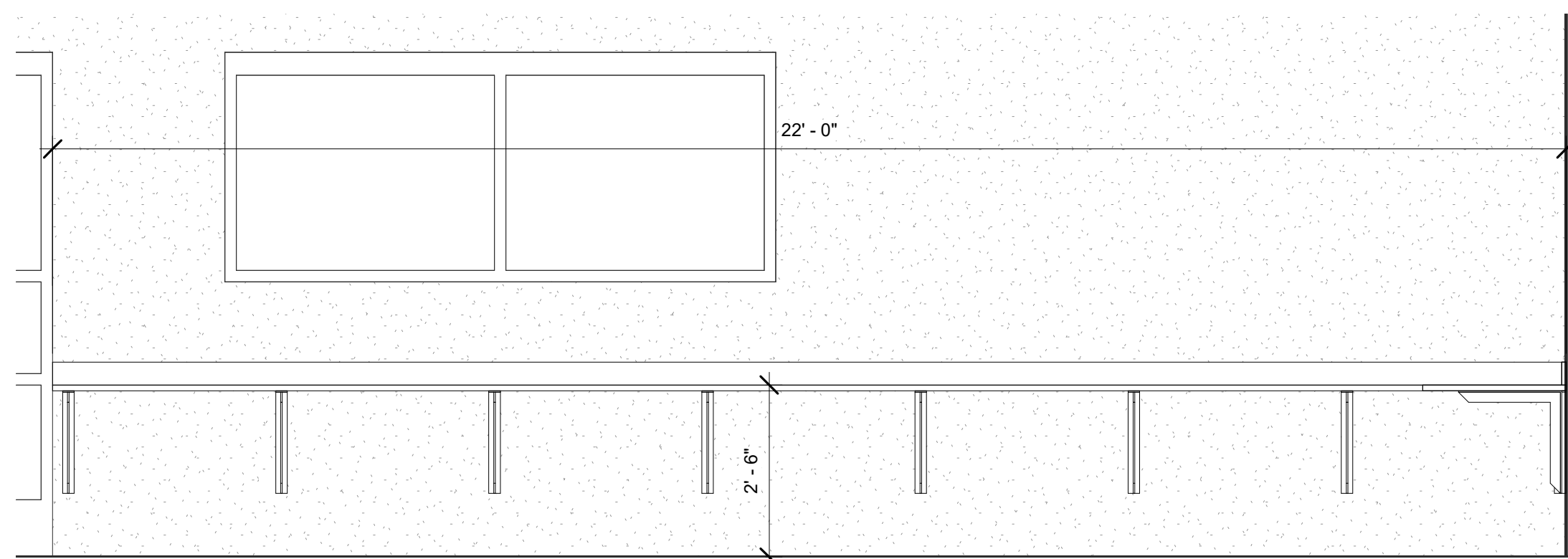
4 D119 - Trainer, East
1/2" = 1'-0"



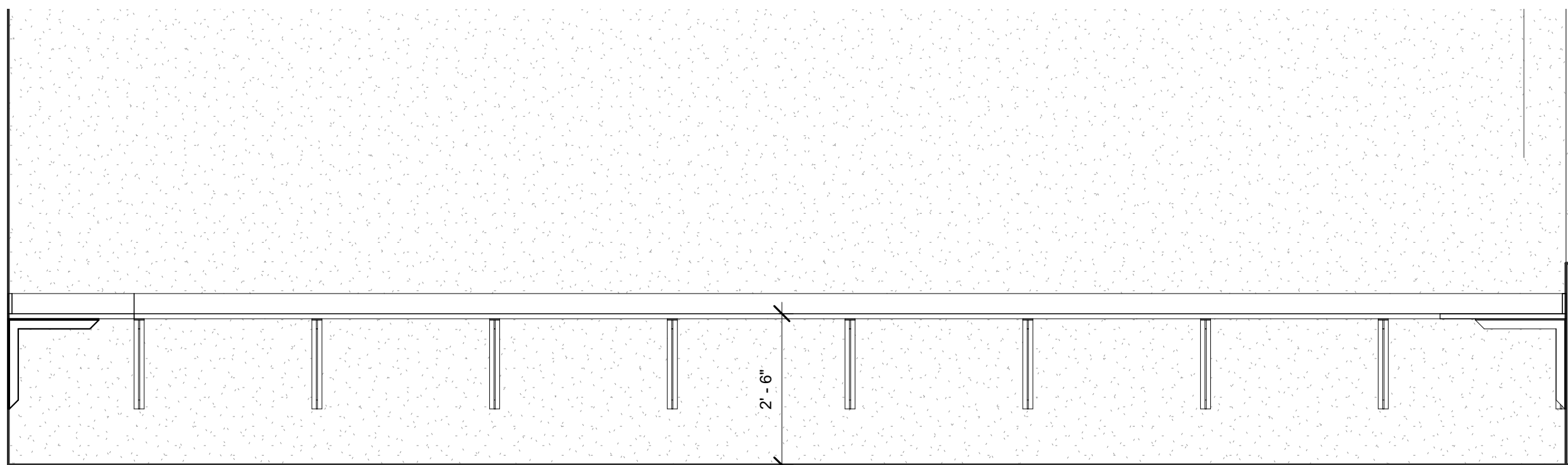
7 B234 - Teacher Plan, West
1/2" = 1'-0"



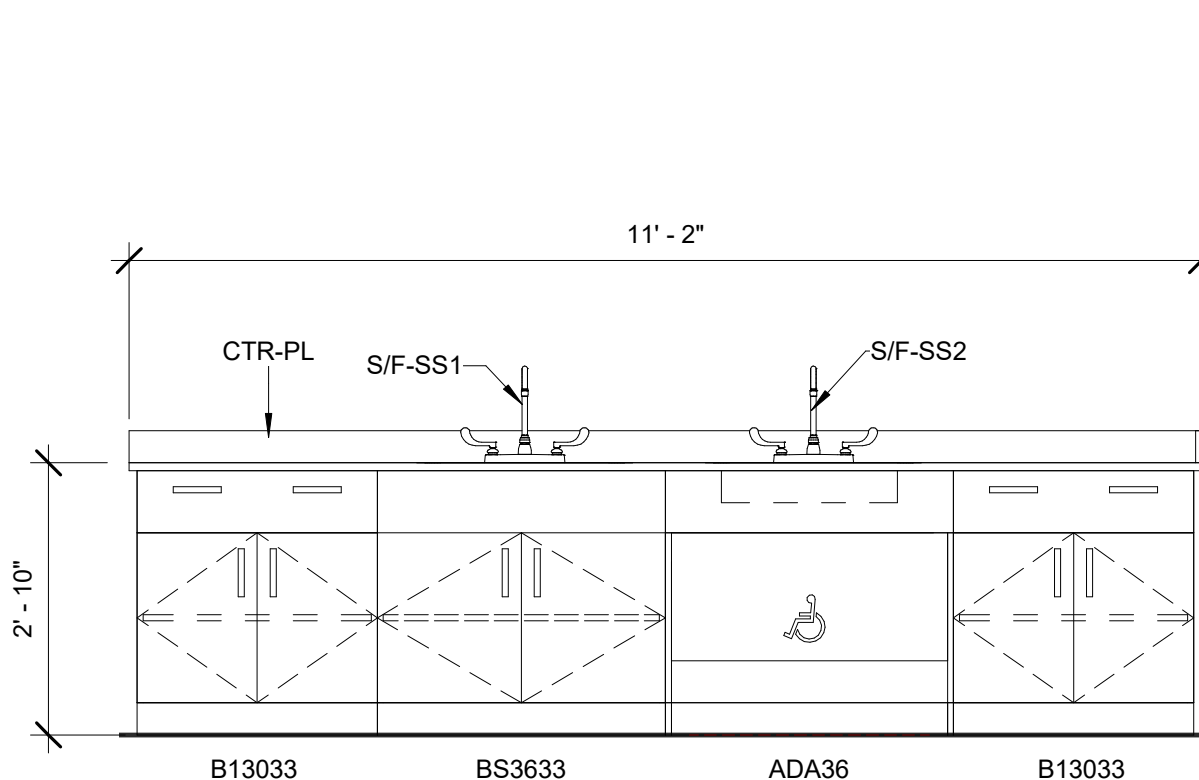
8 B202C - Computer Lab, North
1/2" = 1'-0"



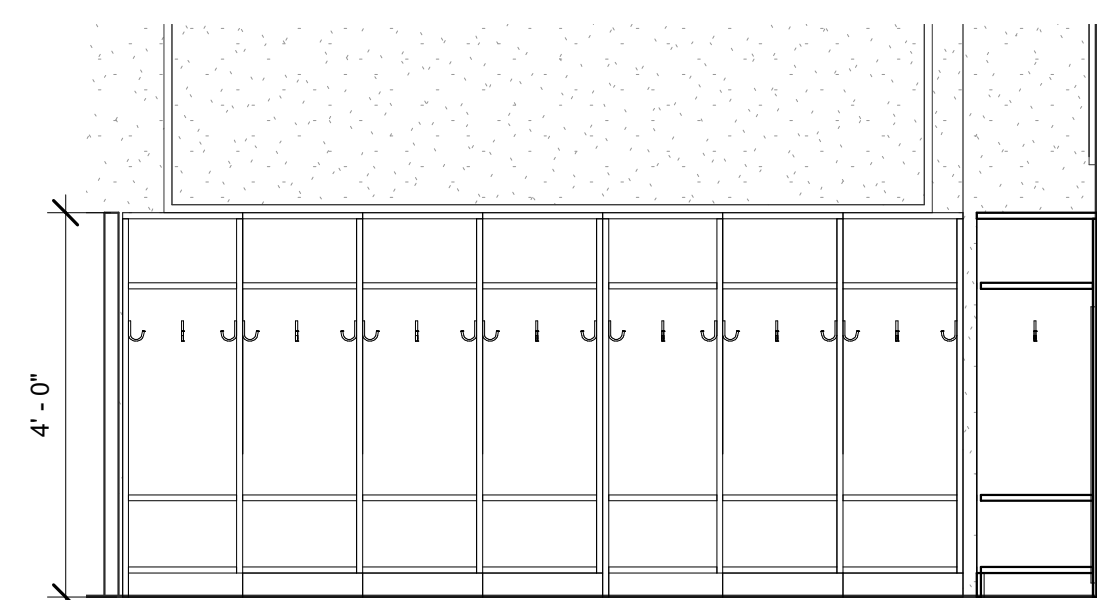
9 B202C - Computer Lab, South
1/2" = 1'-0"



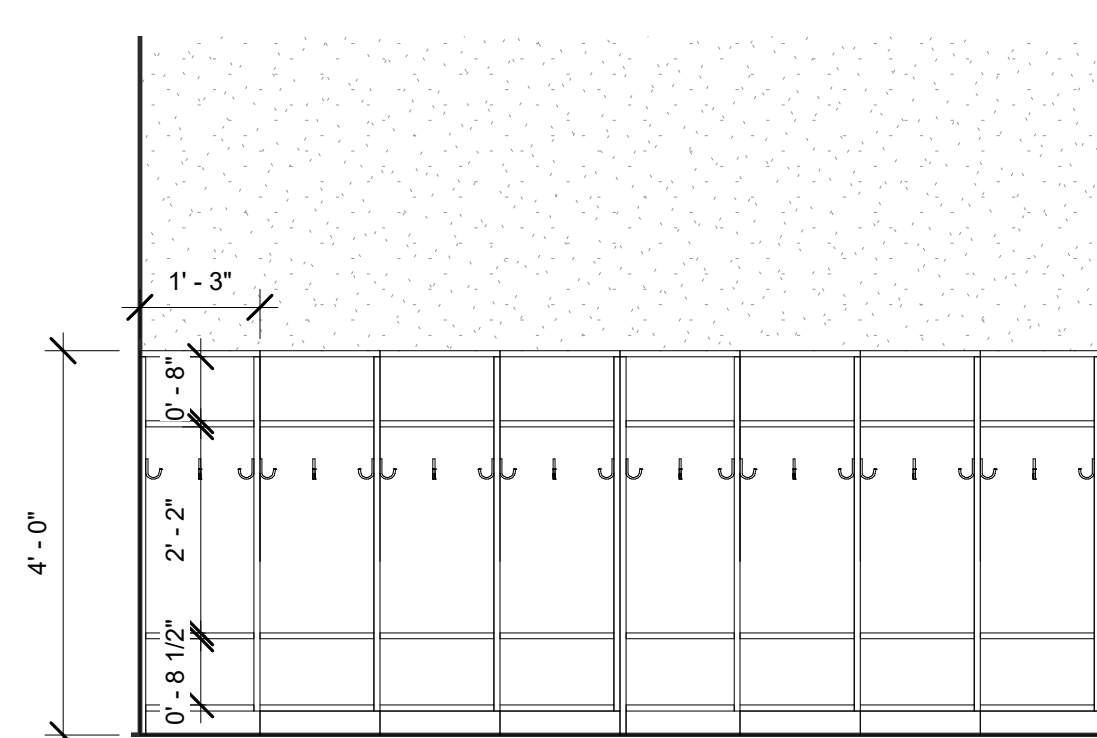
13 B202C - Computer Lab - West
1/2" = 1'-0"



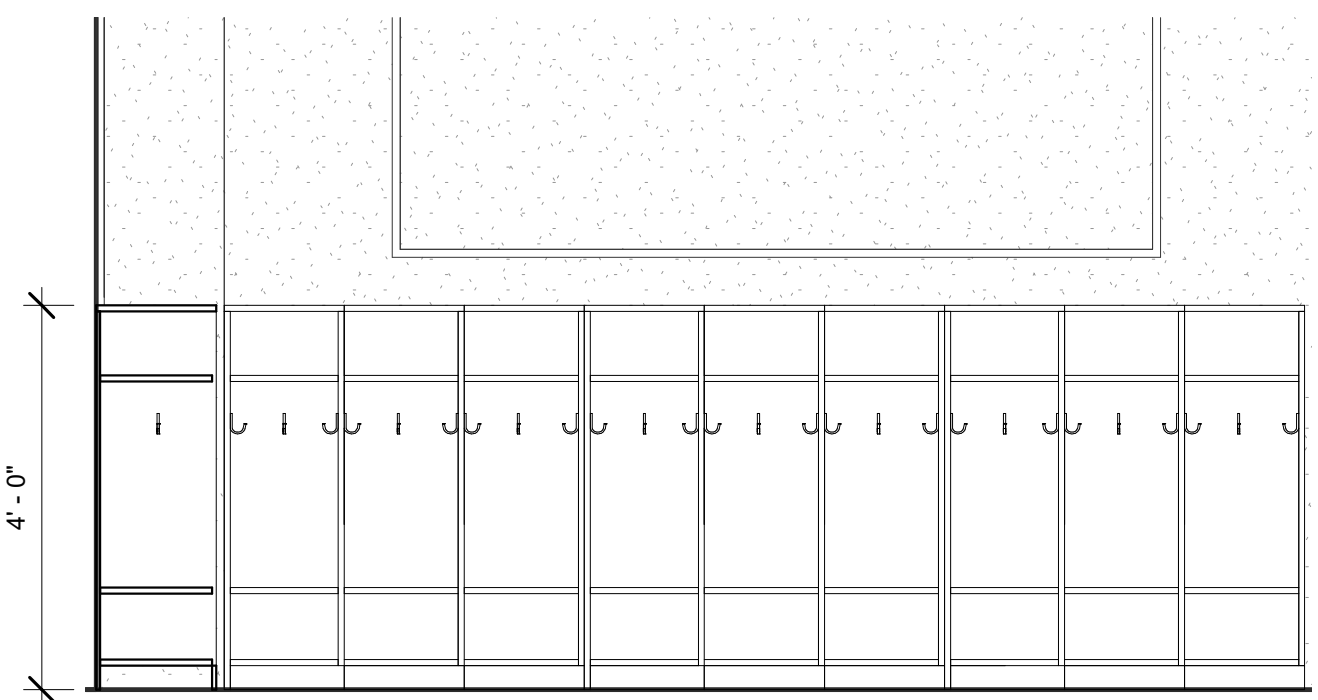
14 C106 - Early Childhood, West
1/2" = 1'-0"



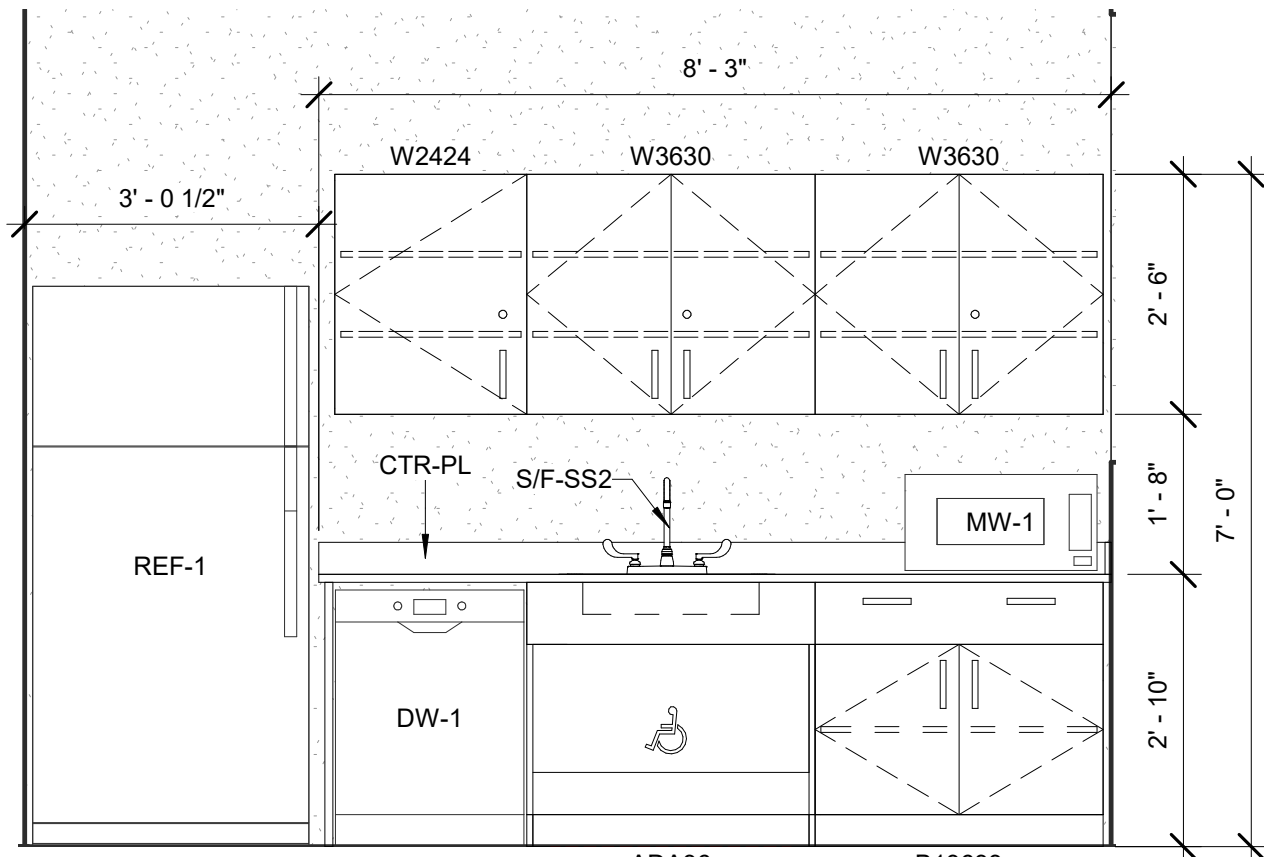
15 C106A - CUBBIES, East
1/2" = 1'-0"



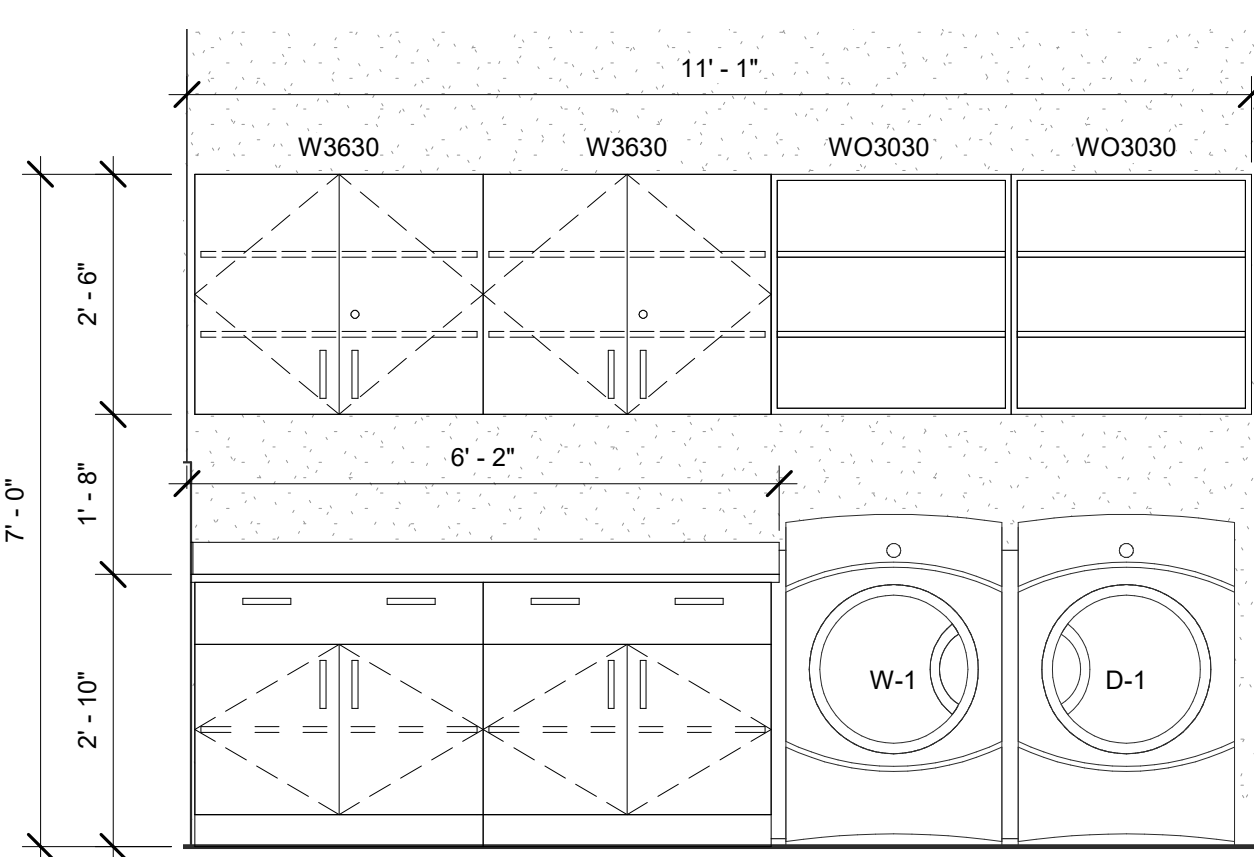
16 C106A - CUBBIES, North
1/2" = 1'-0"



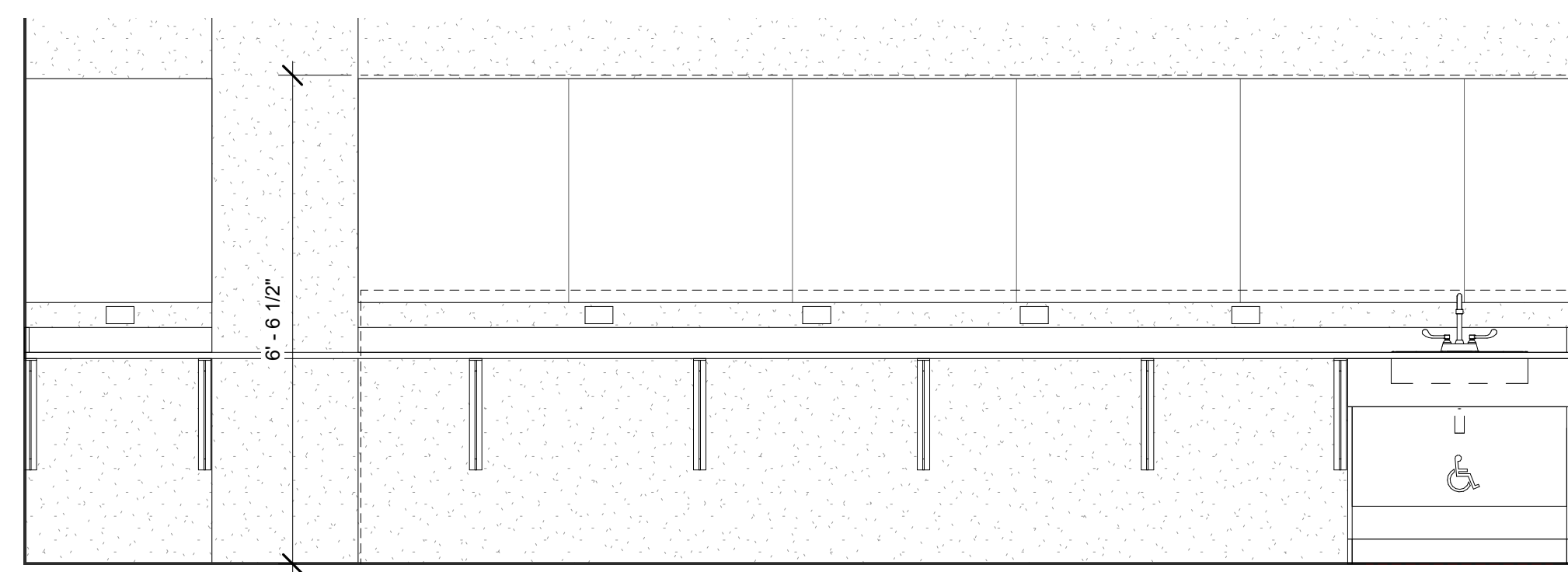
17 C106A - CUBBIES, South
1/2" = 1'-0"



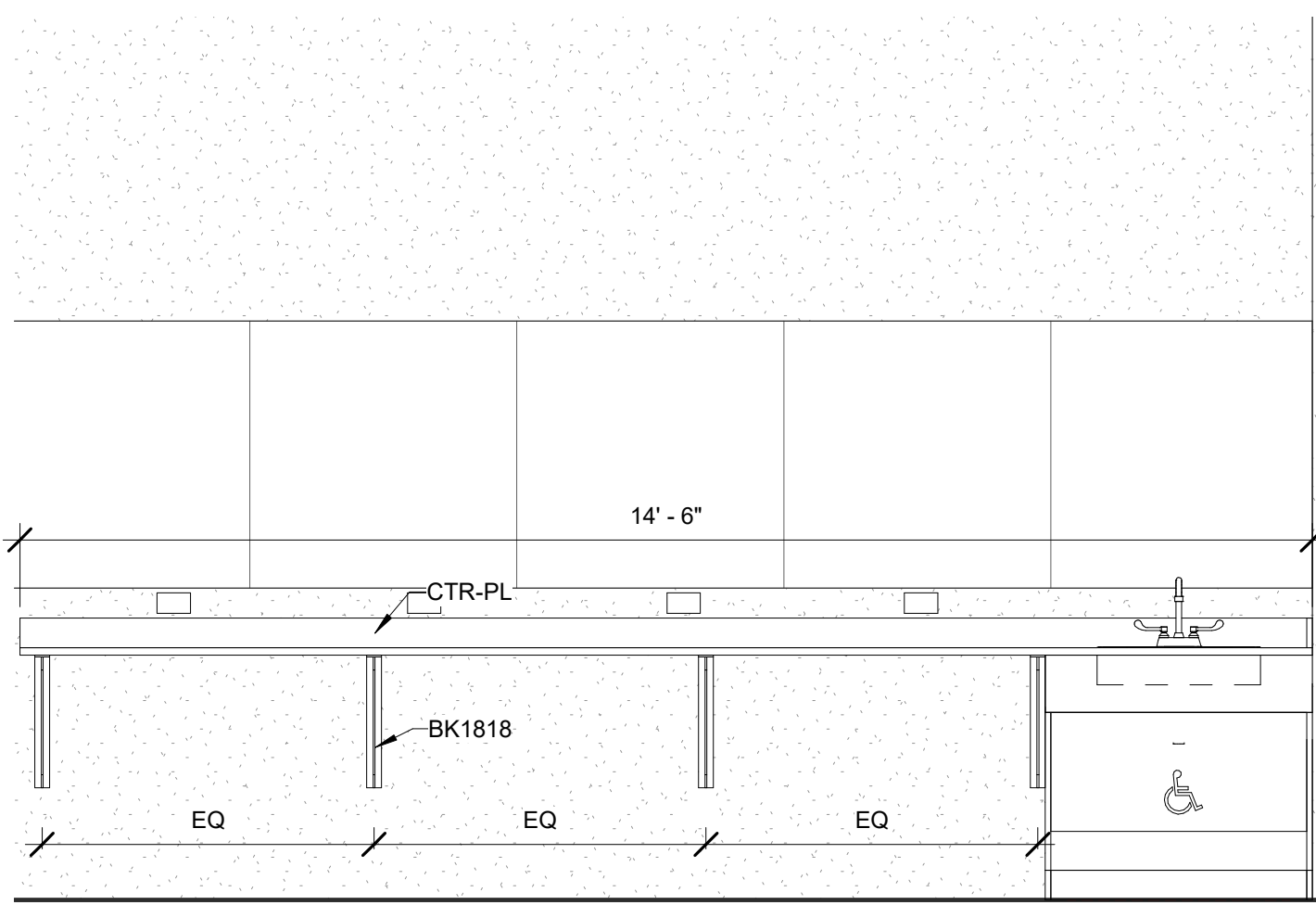
18 C106J - Kitchen, North
1/2" = 1'-0"



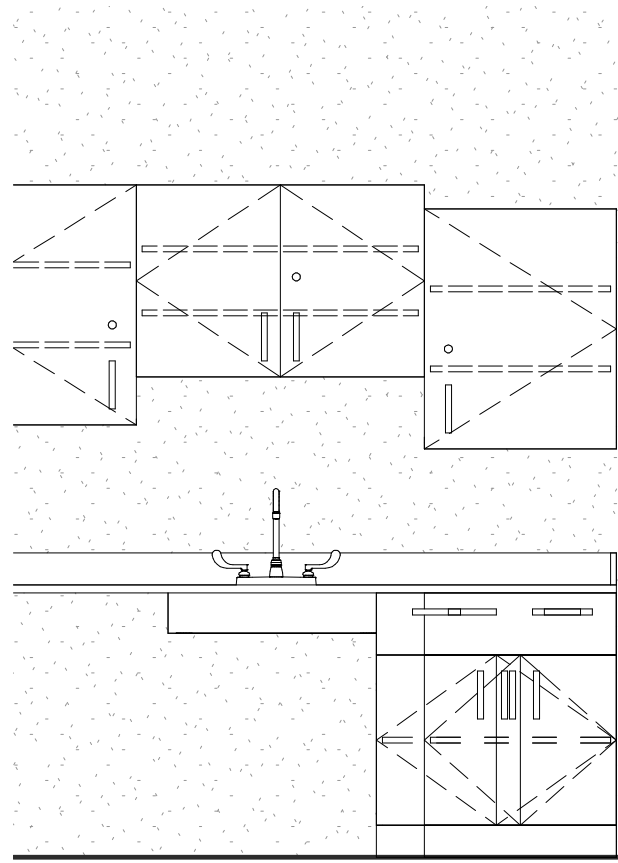
19 C106J - Kitchen, South
1/2" = 1'-0"



20 C107 - Dressing, North
1/2" = 1'-0"



21 C110 - Dressing, North
1/2" = 1'-0"



22 A404E - SUP ASSIST
1/2" = 1'-0"

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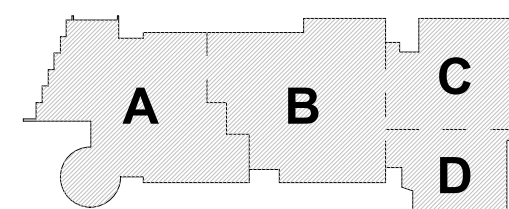
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Wakefield, MA 01880

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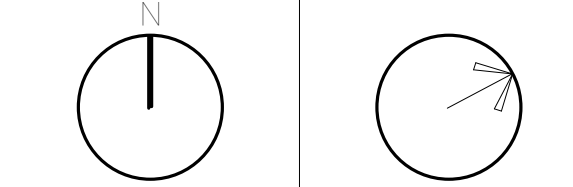
90% MSBA CD
SET

MAY 12, 2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Casework
Elevations

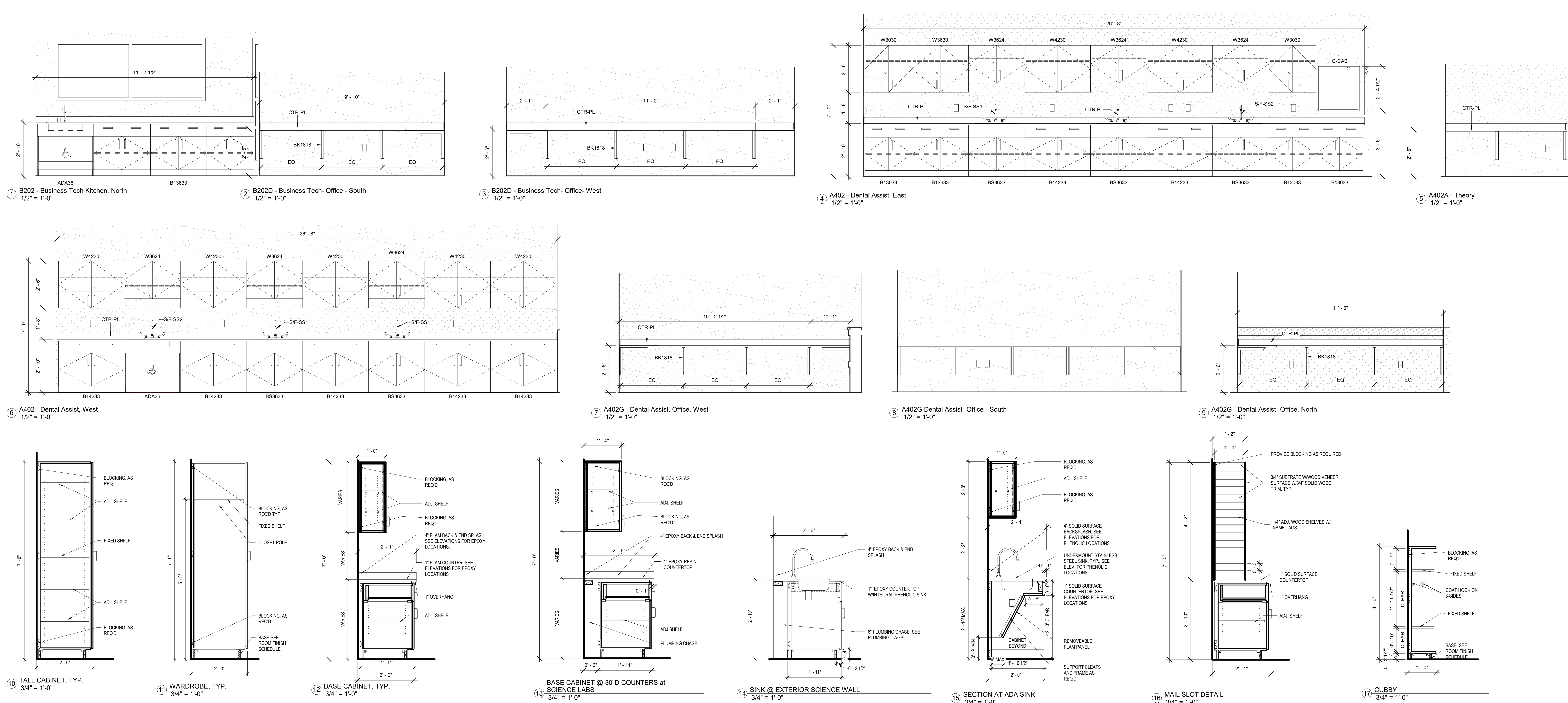
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Job No.: 20202

Drawn By: DRA

Date: MAY 12, 2023

EQ3.2



DRA

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90% MSBA CD
SET

MAY 12, 2023

A

B

C

D

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

Casework
Elevations &
Details

Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: MAY 12, 2023

EQ3.3

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