

Equipment Drawing Symbols Legend

[illegible]

Equipment Drawing Symbols Legend
3/4" = 1'-0"

Equipment Drawing Designations

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3/4" = 1'-0"

General Notes

1. All Fixed Casework and Equipment shown on "EQ" Drawings and identified with an "SC", "MC", "AC" and "MU" item numbers shall be bid as part of the GC, under section 12 32 00.
2. 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 service fixtures, as part of the GC.
3. 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.
4. All dimensions shall be verified prior to fabrication. Adjust casework cabinets where required.
Add fillers where necessary. Top and bottom closure panels are required at all tall, wall and base fillers.
5. Any item tagged with "MSA" is by owner and not under General contract

General Notes
3/4" = 1'-0"

Appliance Schedule

Rm No	Rm Name	Type Mark	Description
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Cooktop

B301G	MOCK APT	AP02	Cooktop
B104	ELECTRICAL TECHNOLOGY	AP02	Cooktop

Cooktop Hood

B301G	MOCK APT	AP08	Cooktop Hood
B104	ELECTRICAL TECHNOLOGY	AP08	Cooktop Hood

Dishwasher

A319	SCI PREP	AP01	Dishwasher
B316	SCI PREP	AP01	Dishwasher
A426	SCI PREP	AP01	Dishwasher
A210	SCI PREP	AP01	Dishwasher

Dryer

B120B	DISP	AP03	Dryer
B301F	STOR / LINEN	AP03	Dryer
B302K	STOR	AP03	Dryer
B354	Stor	AP03	Dryer

Lab Refidgerator

A303J	TISSUE CULTURE LAB	AP05	Lab Refidgerator
A303H	LAB	AP05	Lab Refidgerator

Microwave/ Double Ovens

B104	ELECTRICAL TECHNOLOGY	AP06	Microwave/ Double Ovens
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Refridegrator

A210	SCI PREP	AP07	Refridegrator
A319	SCI PREP	AP07	Refridegrator
A131	DUPLICATING	AP07	Refridegrator
C106J	KITCHEN	AP07	Refridegrator
B301G	MOCK APT	AP07	Refridegrator
B104	ELECTRICAL TECHNOLOGY	AP07	Refridegrator
D105	RESTING	AP07	Refridegrator
B316	SCI PREP	AP07	Refridegrator
A426	SCI PREP	AP07	Refridegrator
B234	TEACHERS PLANNING	AP07	Refridegrator
B328	TEACHERS PLANNING	AP07	Refridegrator
B423	TEACHERS PLANNING	AP07	Refridegrator
A111	STAFF LUNCH RM	AP07	Refridegrator

Washer

B120B	DISP	AP04	Washer
B301F	STOR / LINEN	AP04	Washer
B302K	STOR	AP04	Washer
B354	Stor	AP04	Washer



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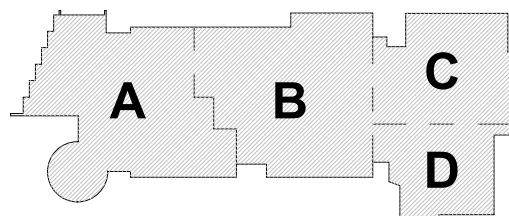
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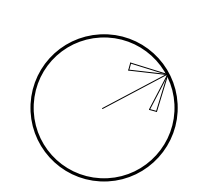
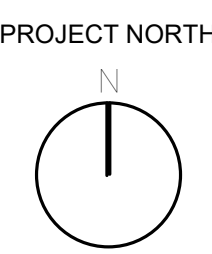
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MSBA DESIGN
DEVELOPMENT
SUBMISSION

08/04/2022



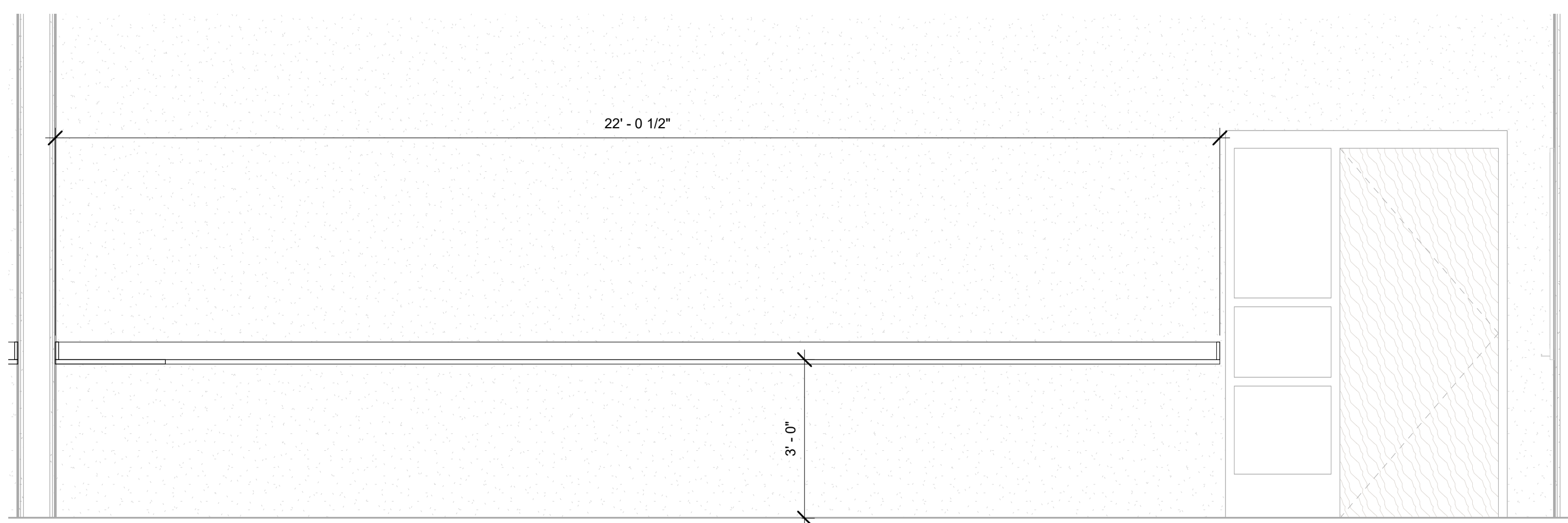
KEY PLAN



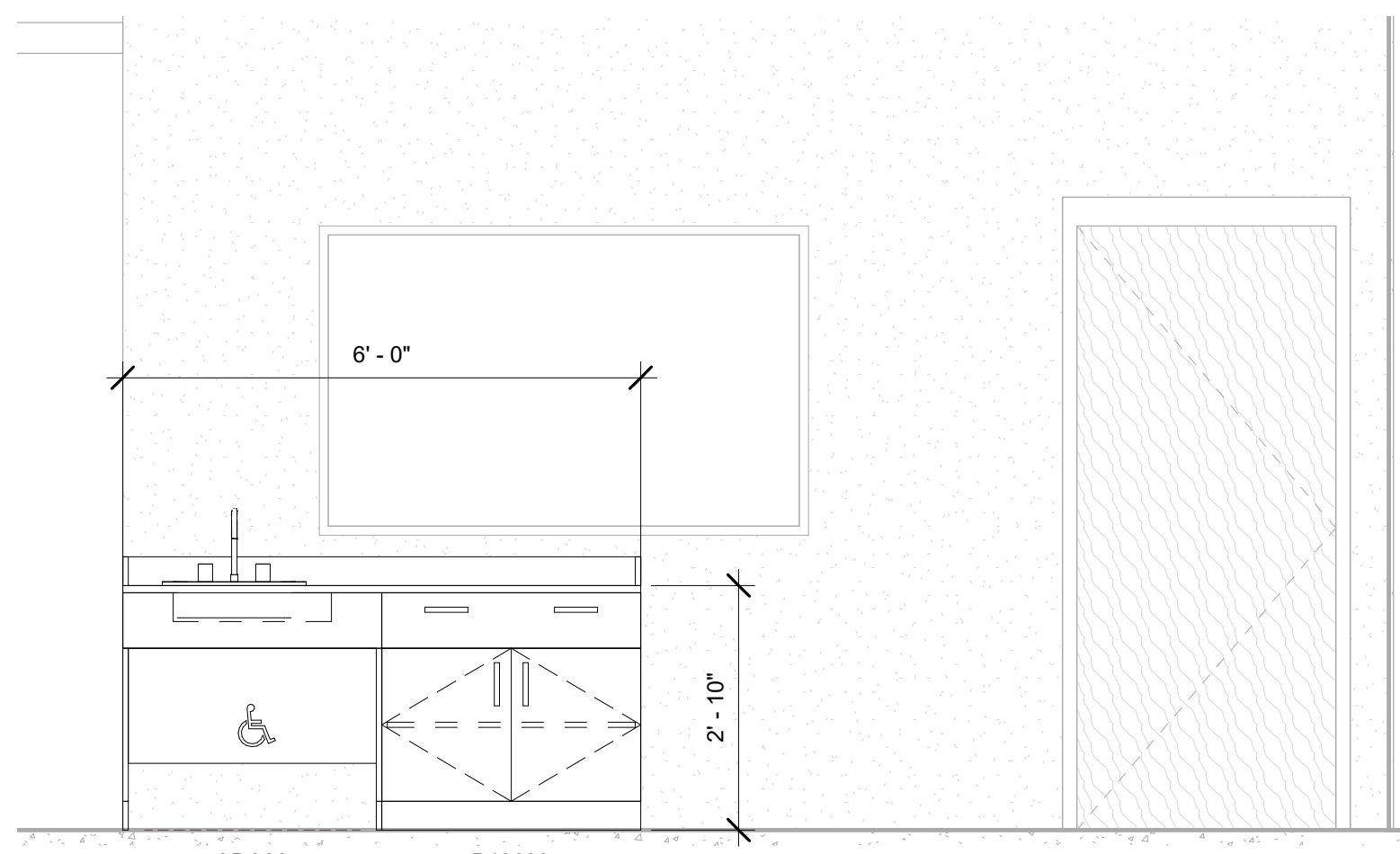
Notes, Schedules, And Abbreviations

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

EQ0.00



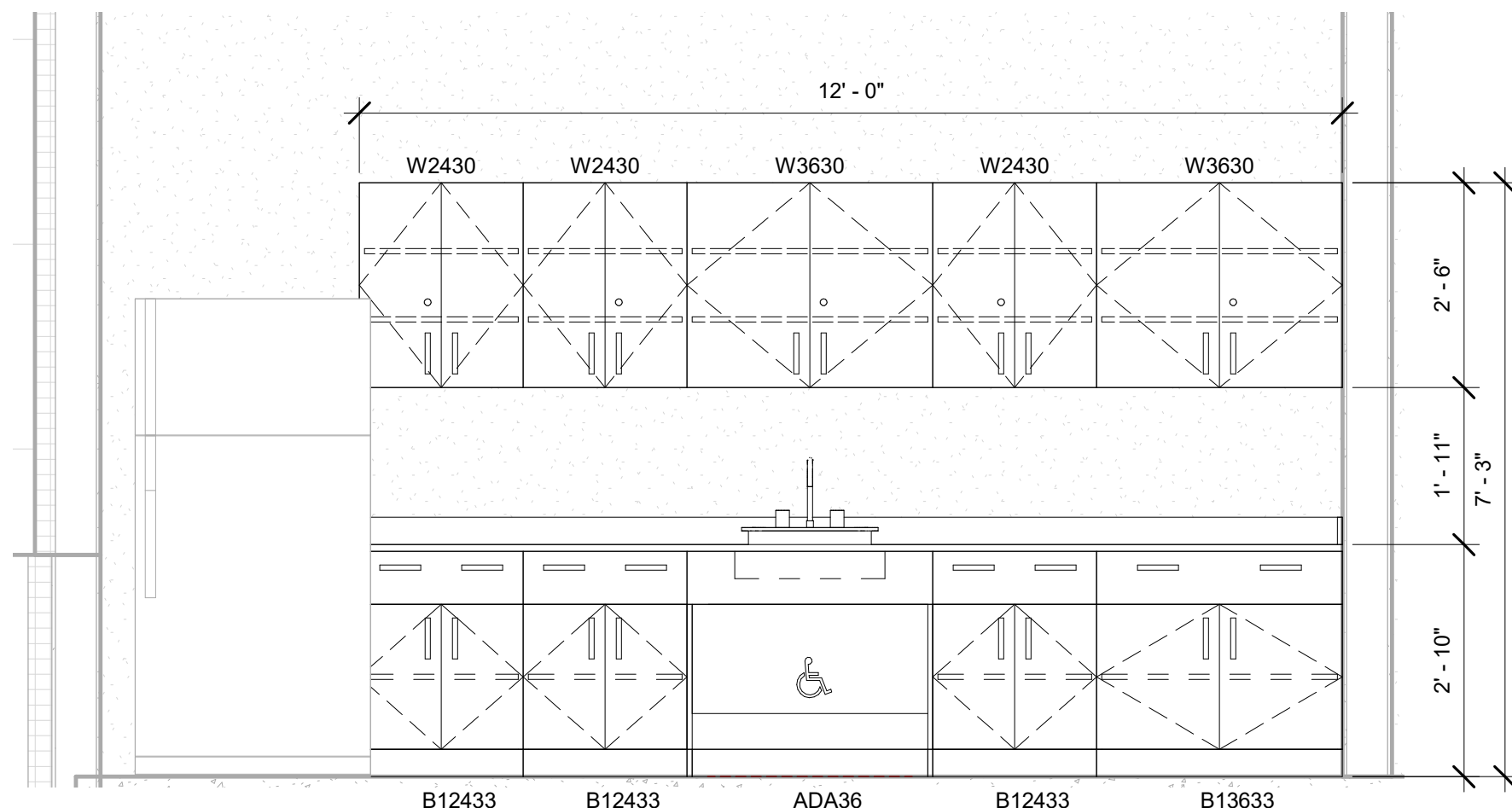
15 B202B- Computer Lab- South
1/2" = 1'-0"



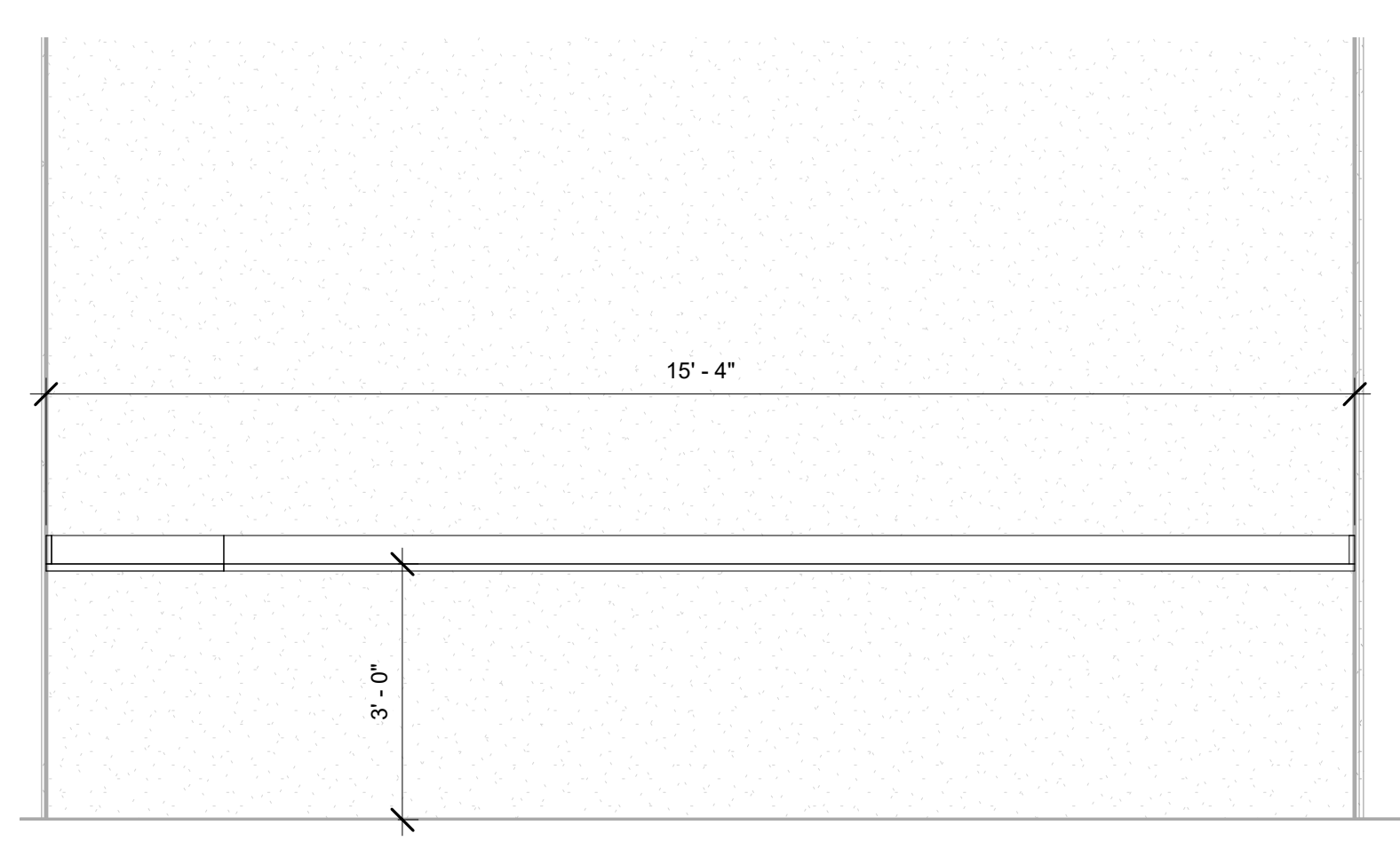
12 B202- Business Tech- Kitchen- South
1/2" = 1'-0"



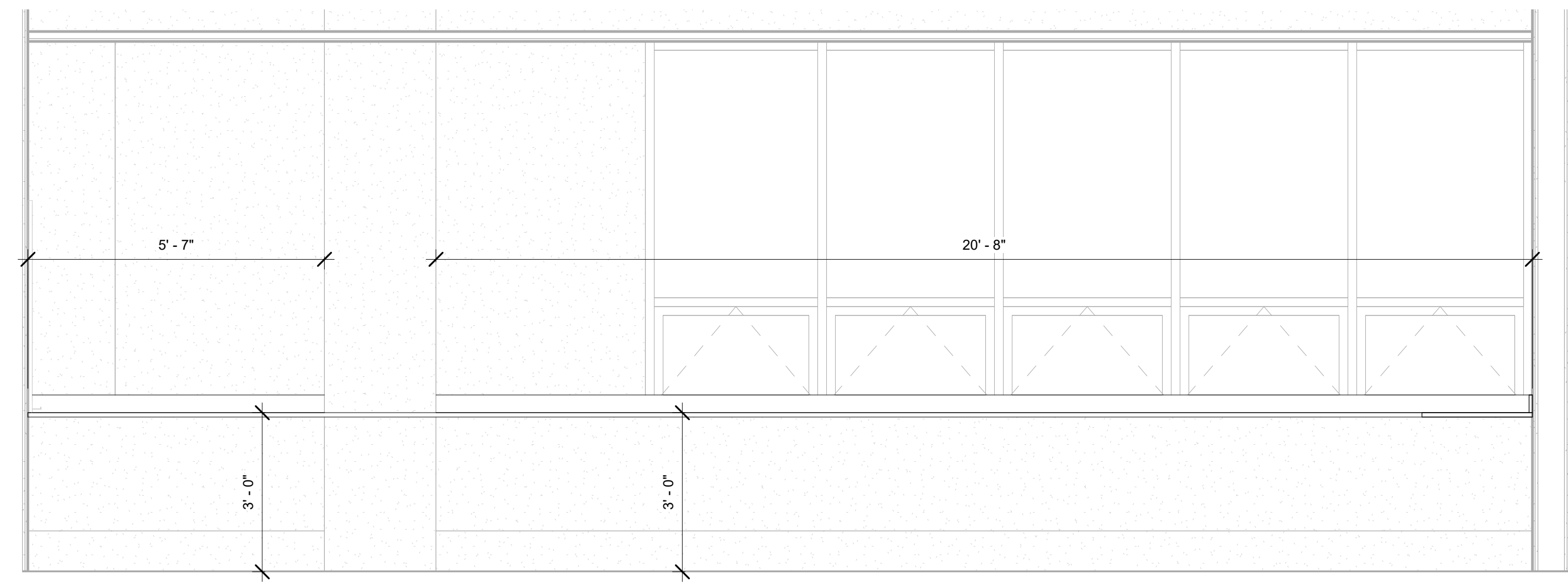
13 B202B- Computer Lab- East
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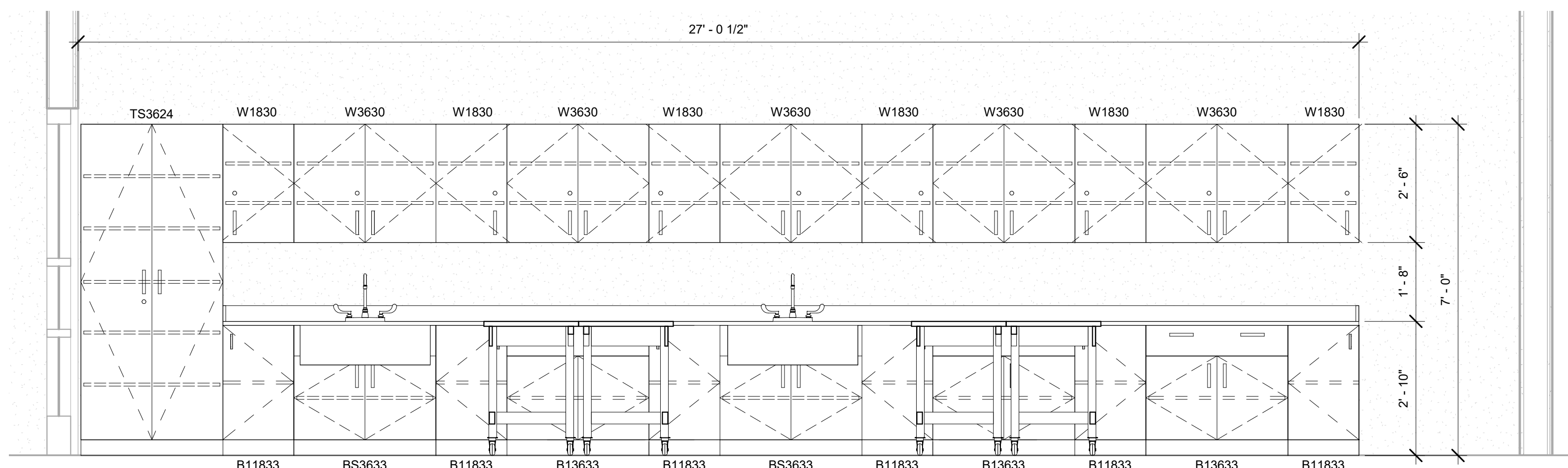
8 Teacher Planning-Typical- West
1/2" = 1'-0"



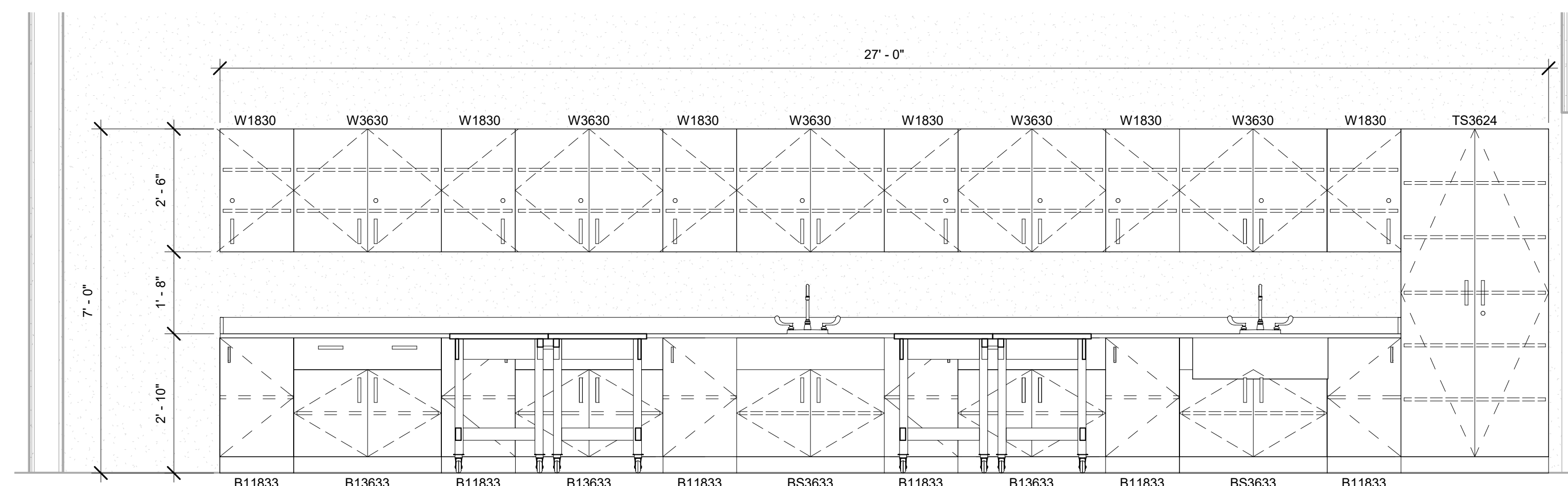
10 B203E- Marketing- Office- West
1/2" = 1'-0"



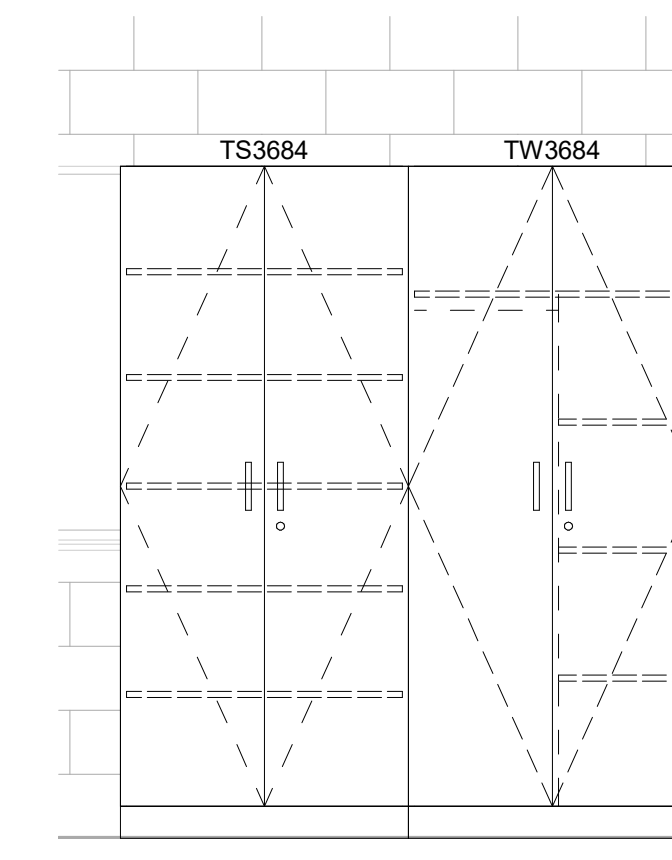
14 B202B- Computer Lab- North
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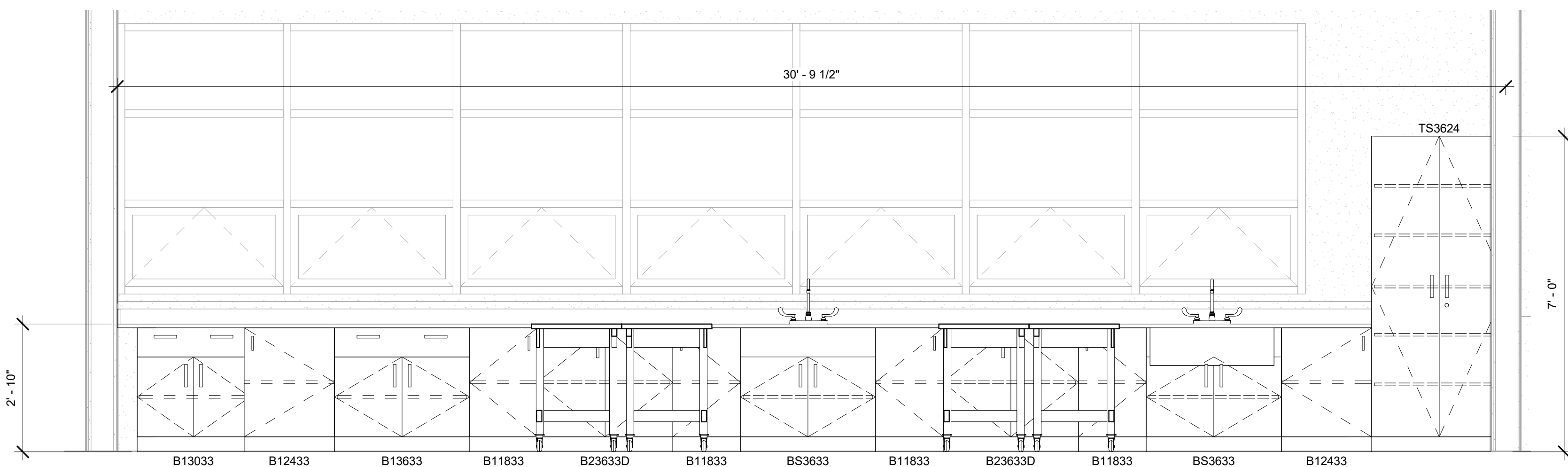
2 Science Lab - Typical @ Full Wall
1/2" = 1'-0"



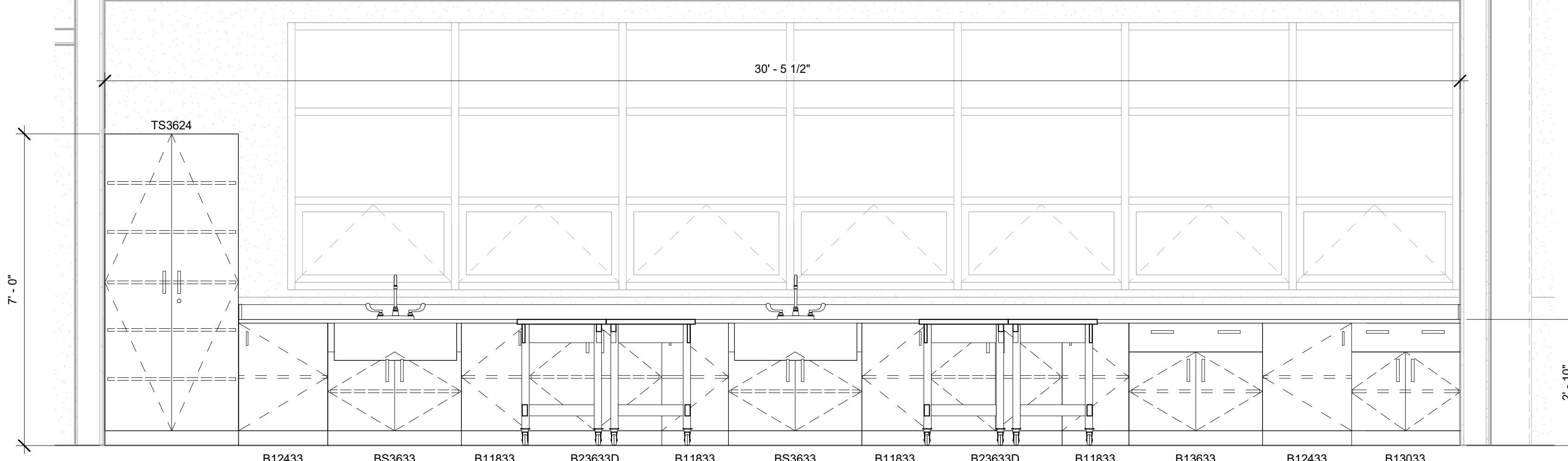
3 Science Lab - Typical @ Full Wall2
1/2" = 1'-0"



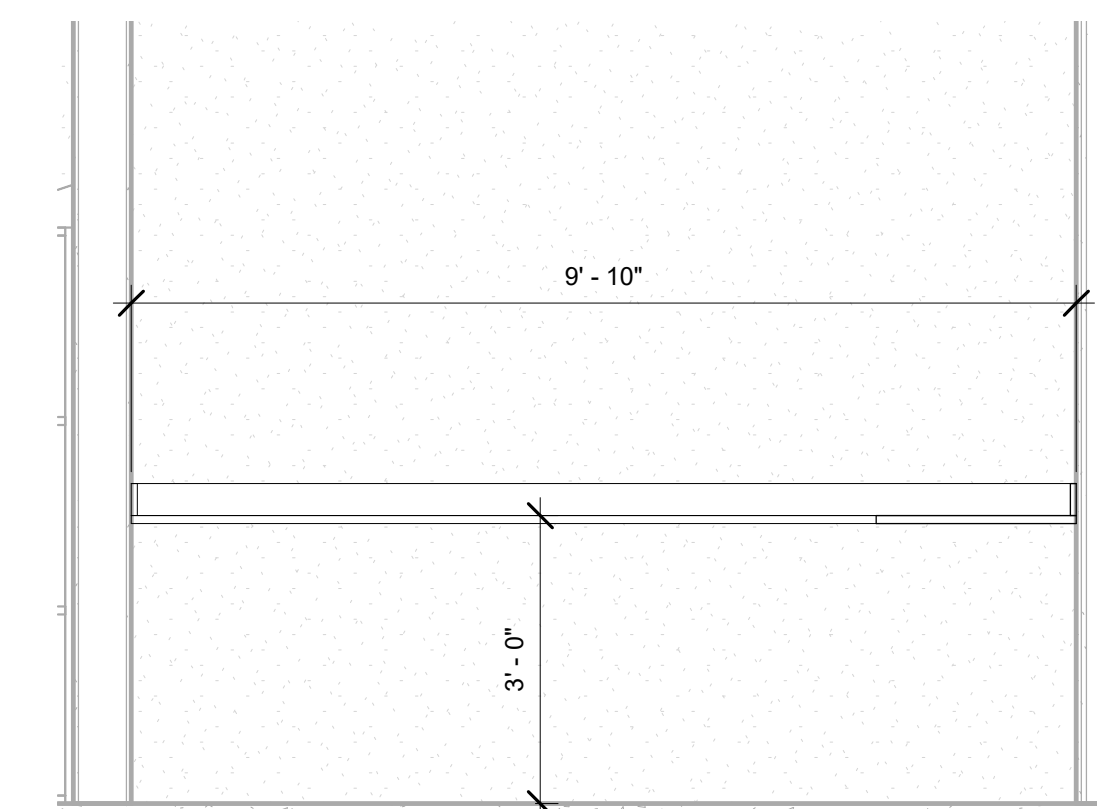
1 001 - Teacher/Storage
1/2" = 1'-0"



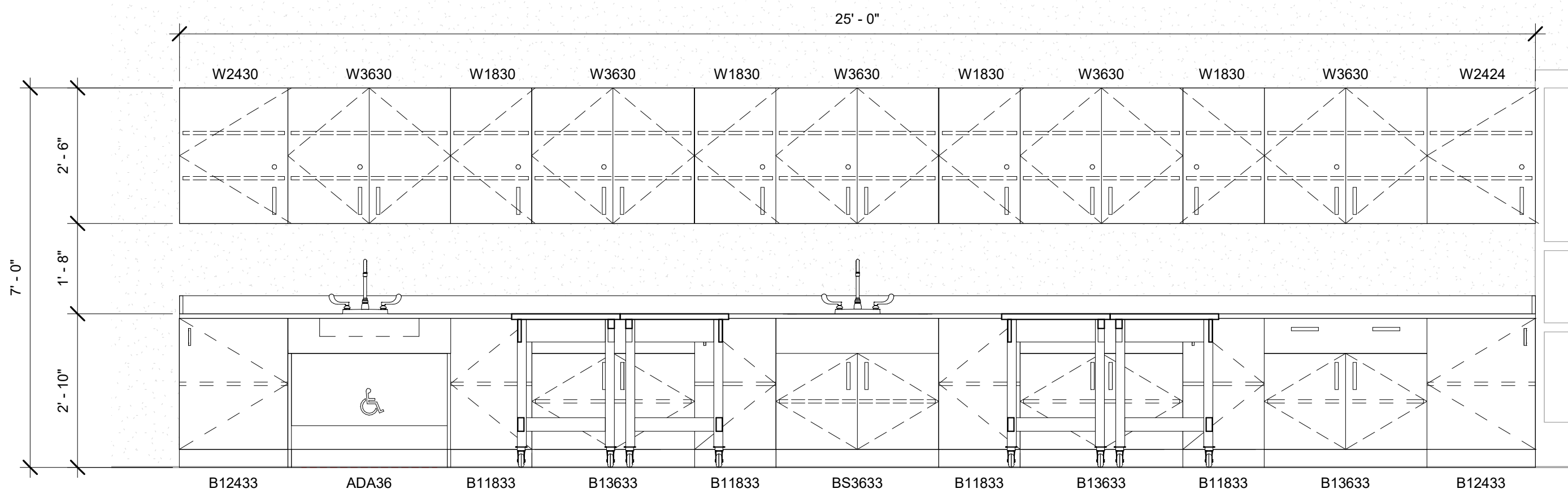
4 Science Lab - Typical @ Window Wall
1/2" = 1'-0"



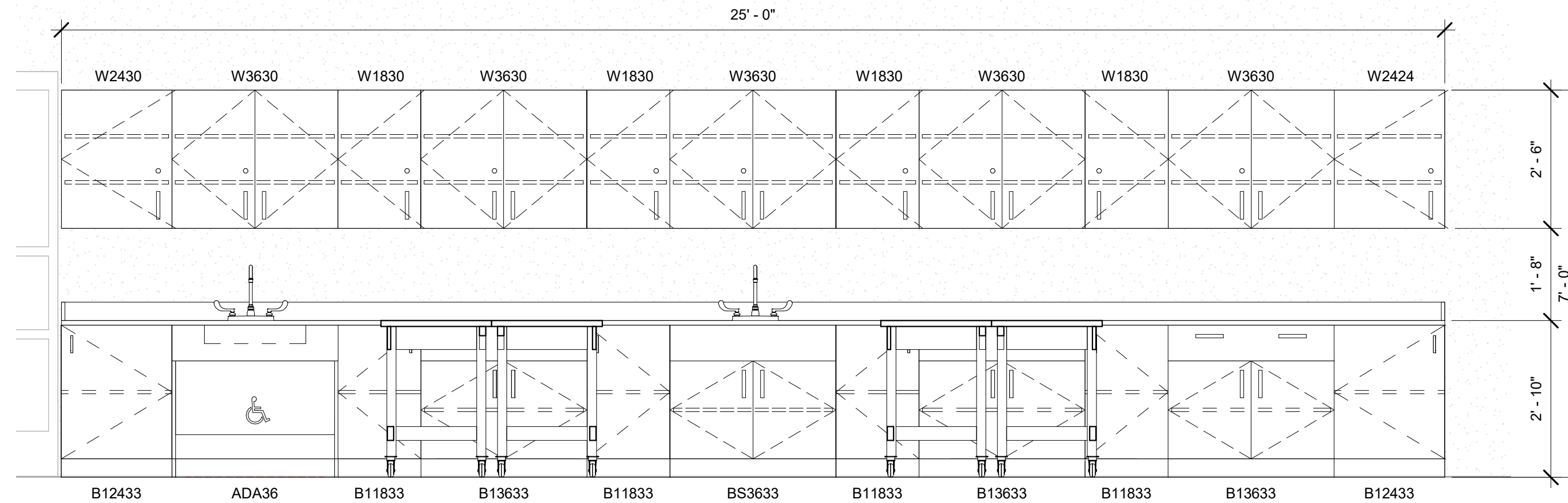
5 Science Lab - Typical @ Window Wall1
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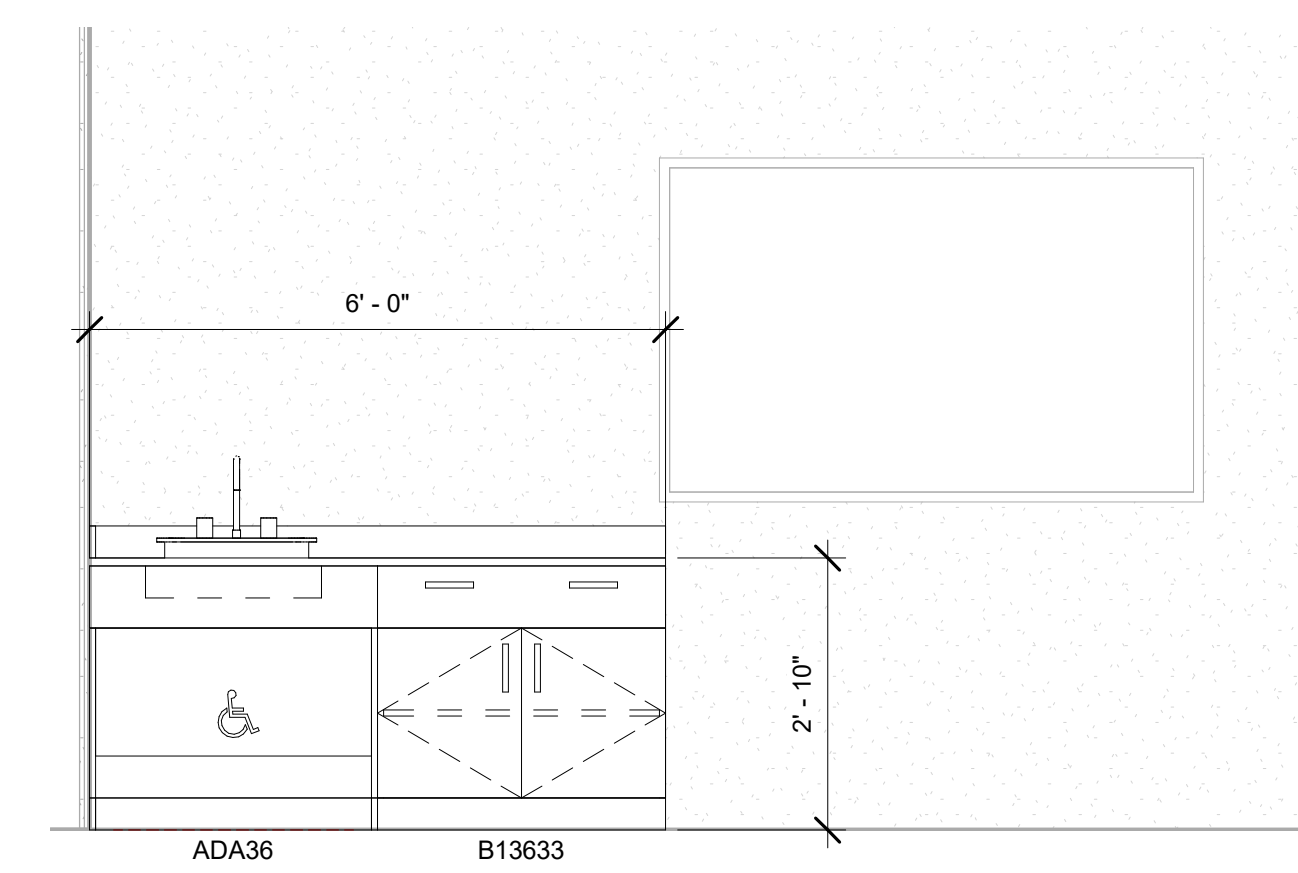
11 B203E- Marketing- Office- South
1/2" = 1'-0"



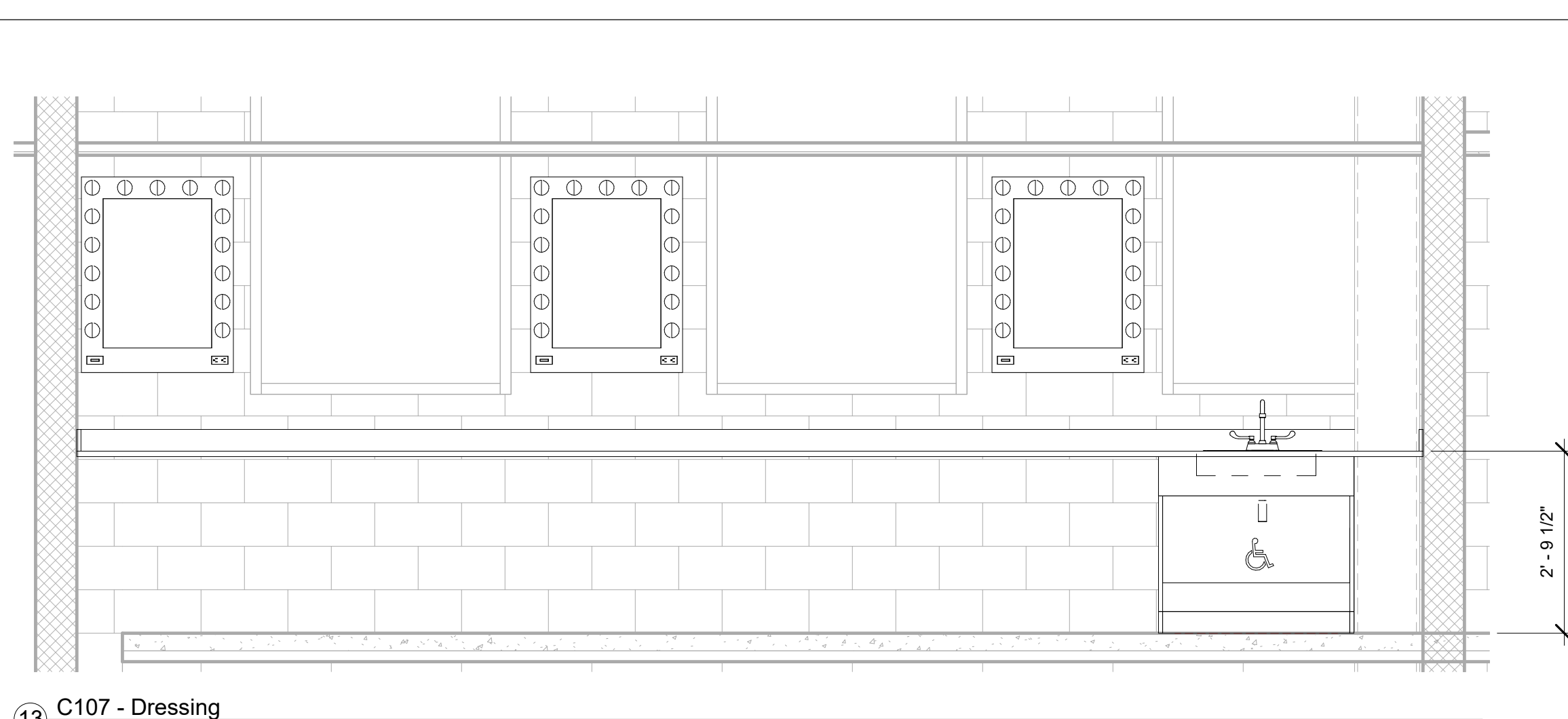
6 Science Lab - Typical for North & South
1/2" = 1'-0"



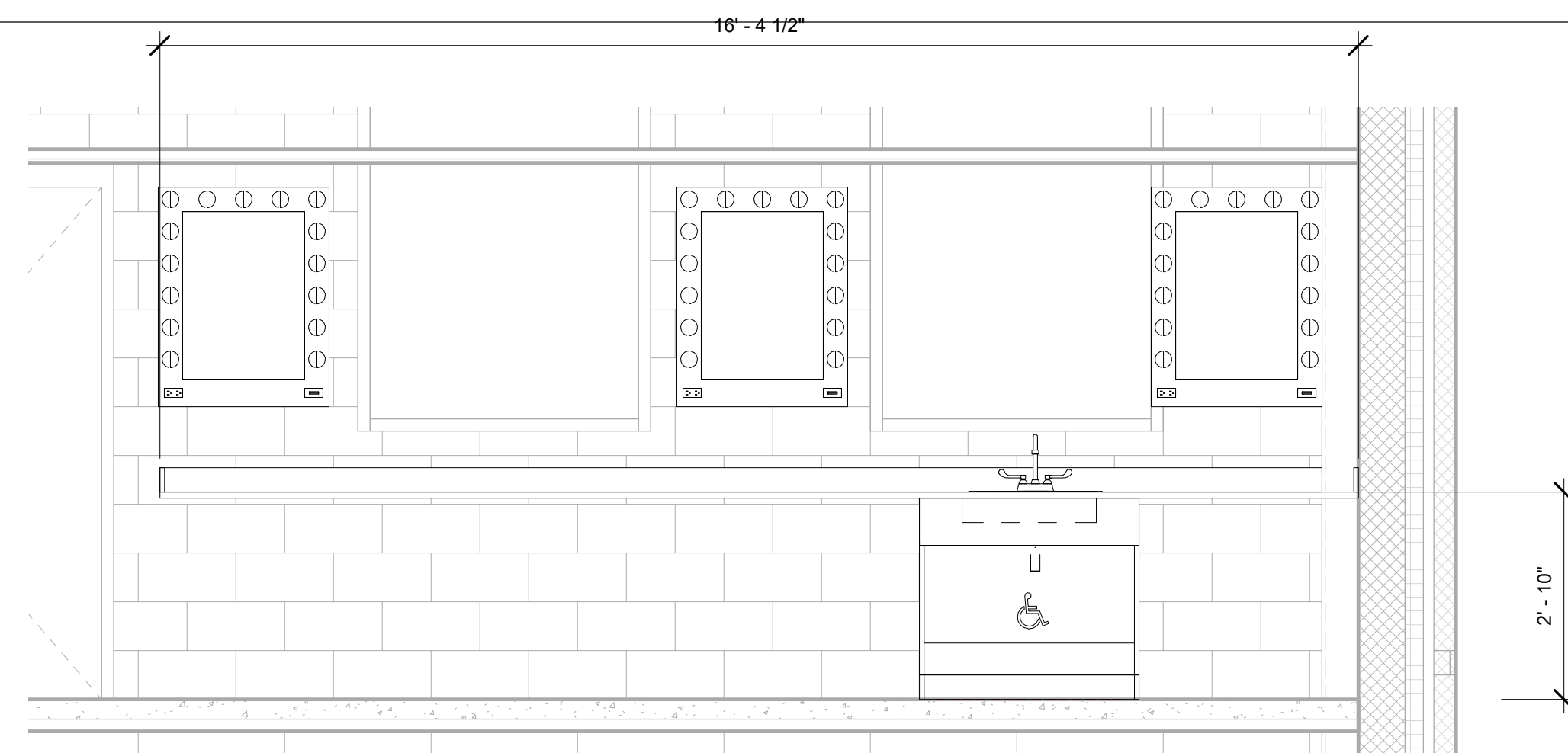
7 Science Lab - Typical for North & South1
1/2" = 1'-0"



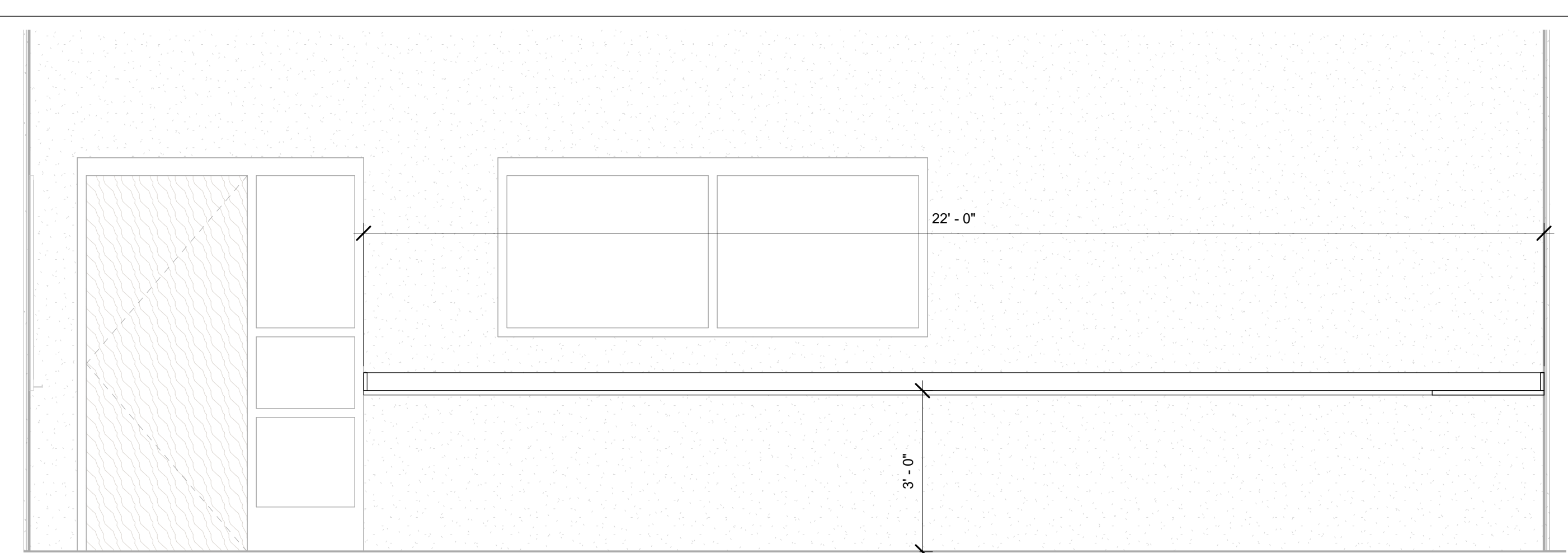
9 B203-Marketing- Kitchen- South
1/2" = 1'-0"



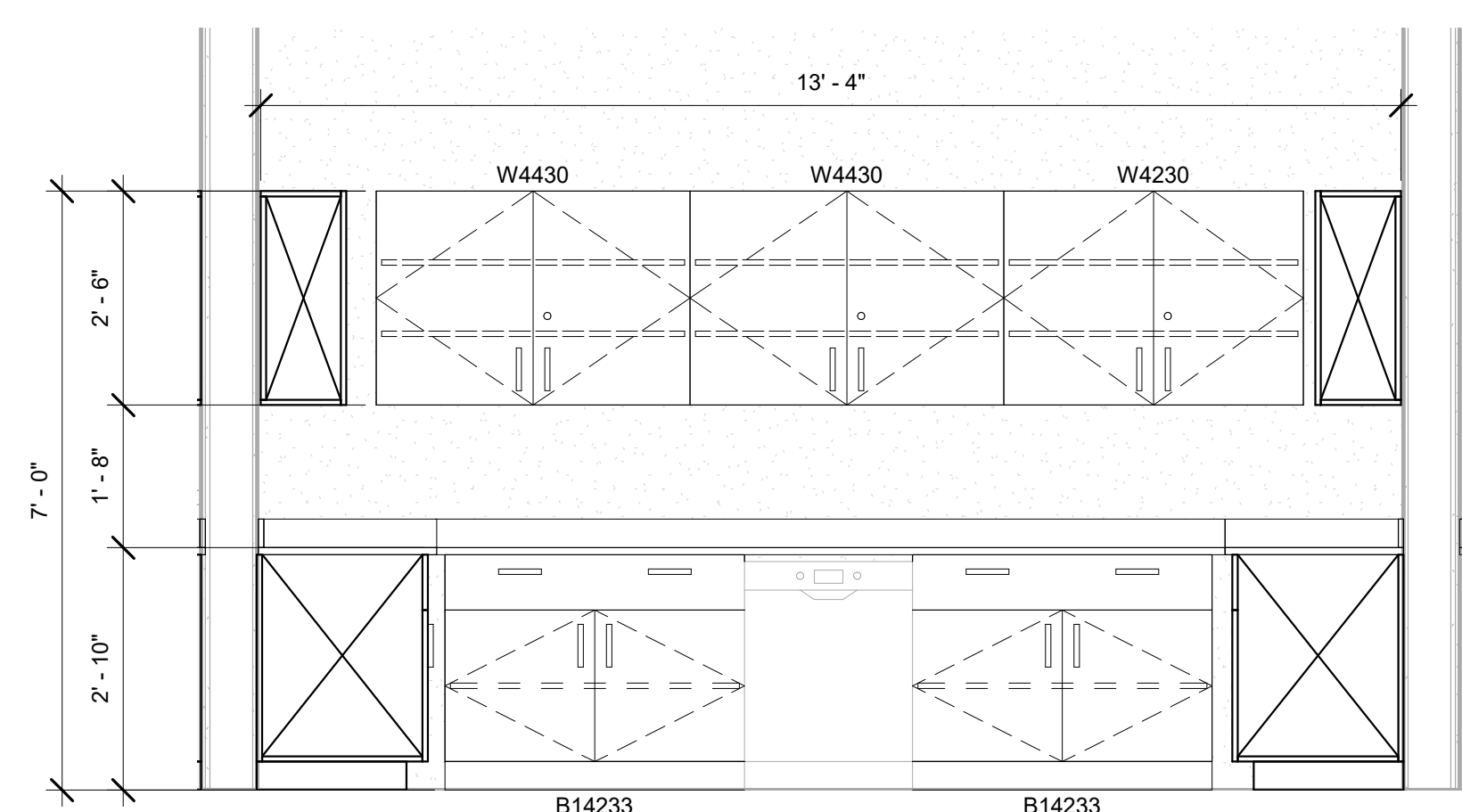
13 C107 - Dressing
1/2" = 1'-0"



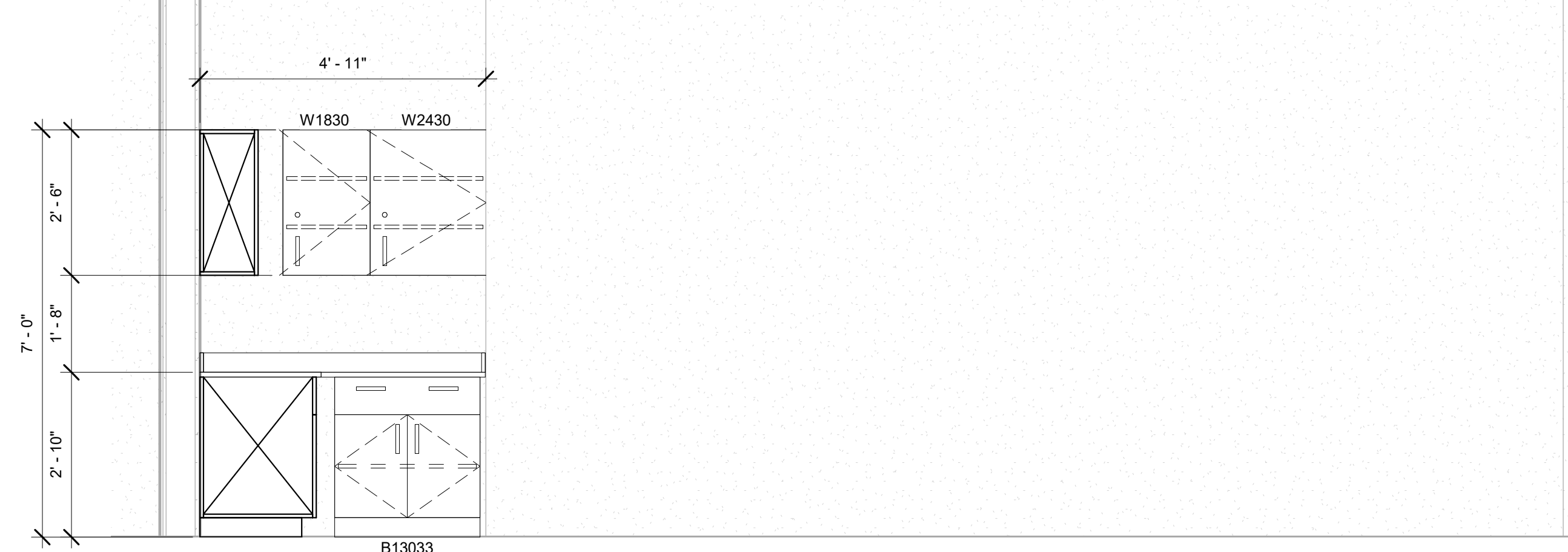
15 C110 - Dressing
1/2" = 1'-0"



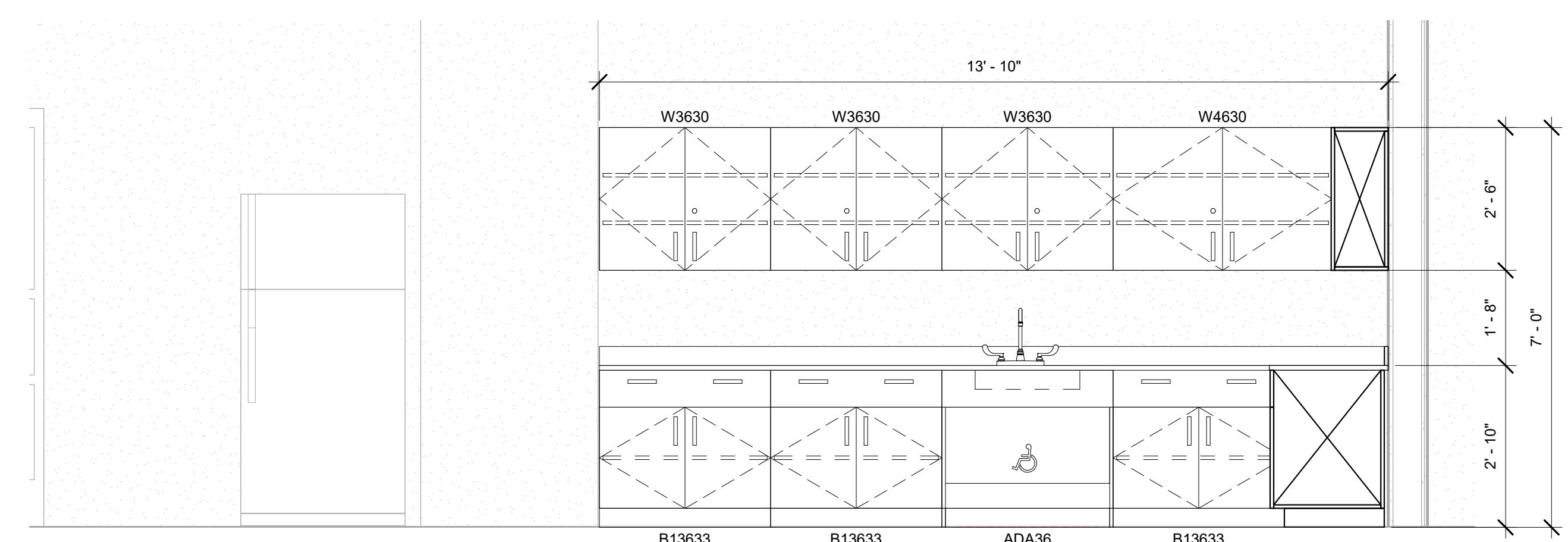
14 B202C - Computer Lab - South
1/2" = 1'-0"



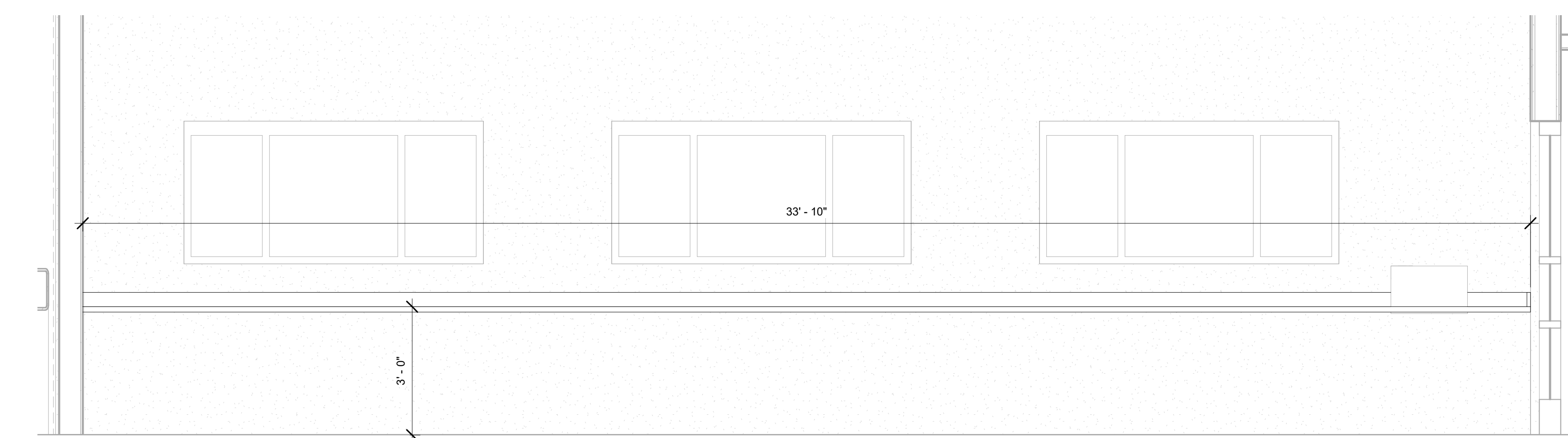
1 Science Prep - Typical for East or West
1/2" = 1'-0"



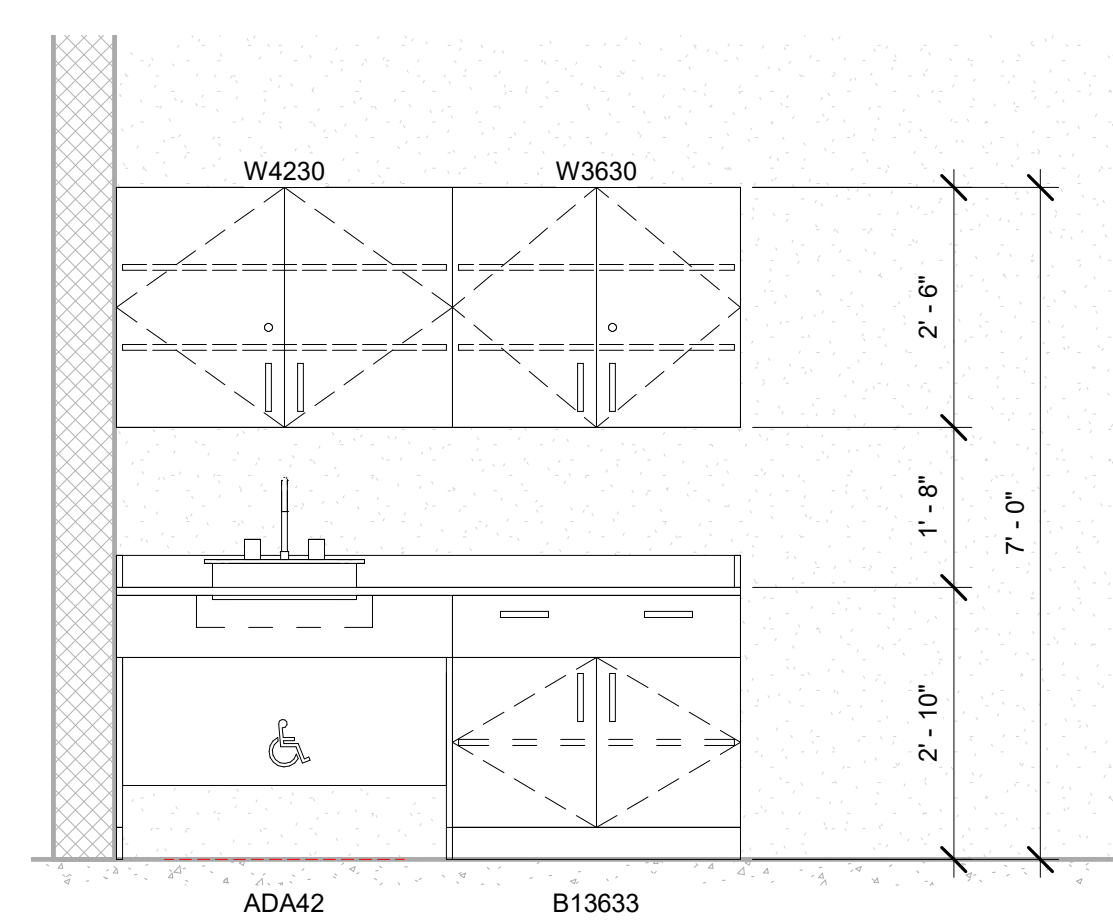
2 Science Prep - Typical for South or North
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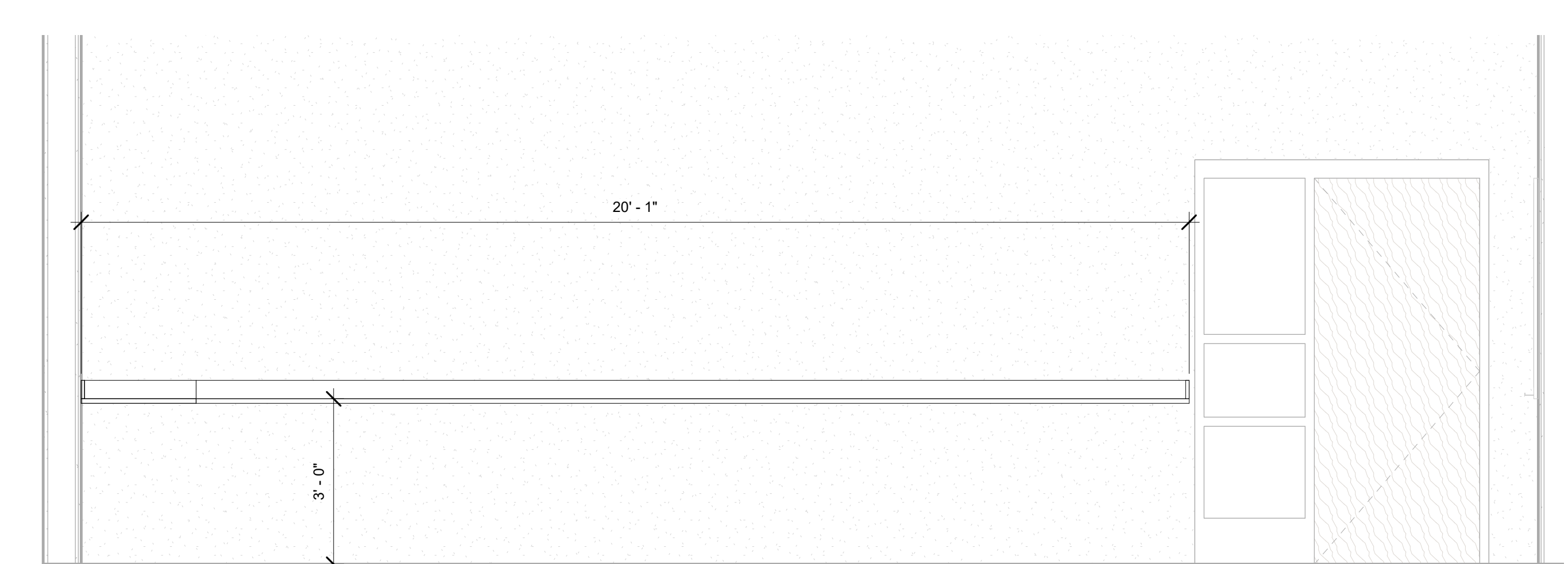
3 Science Prep Typical for North or South
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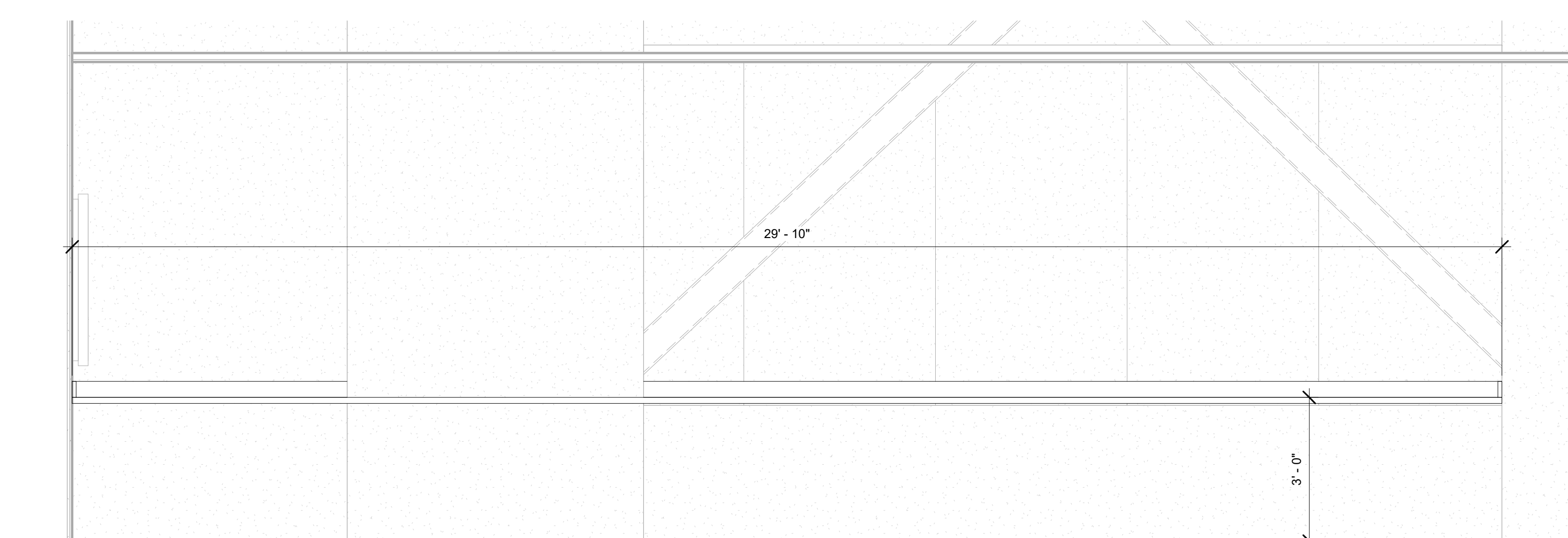
7 B429 - Computer Lab - East
1/2" = 1'-0"



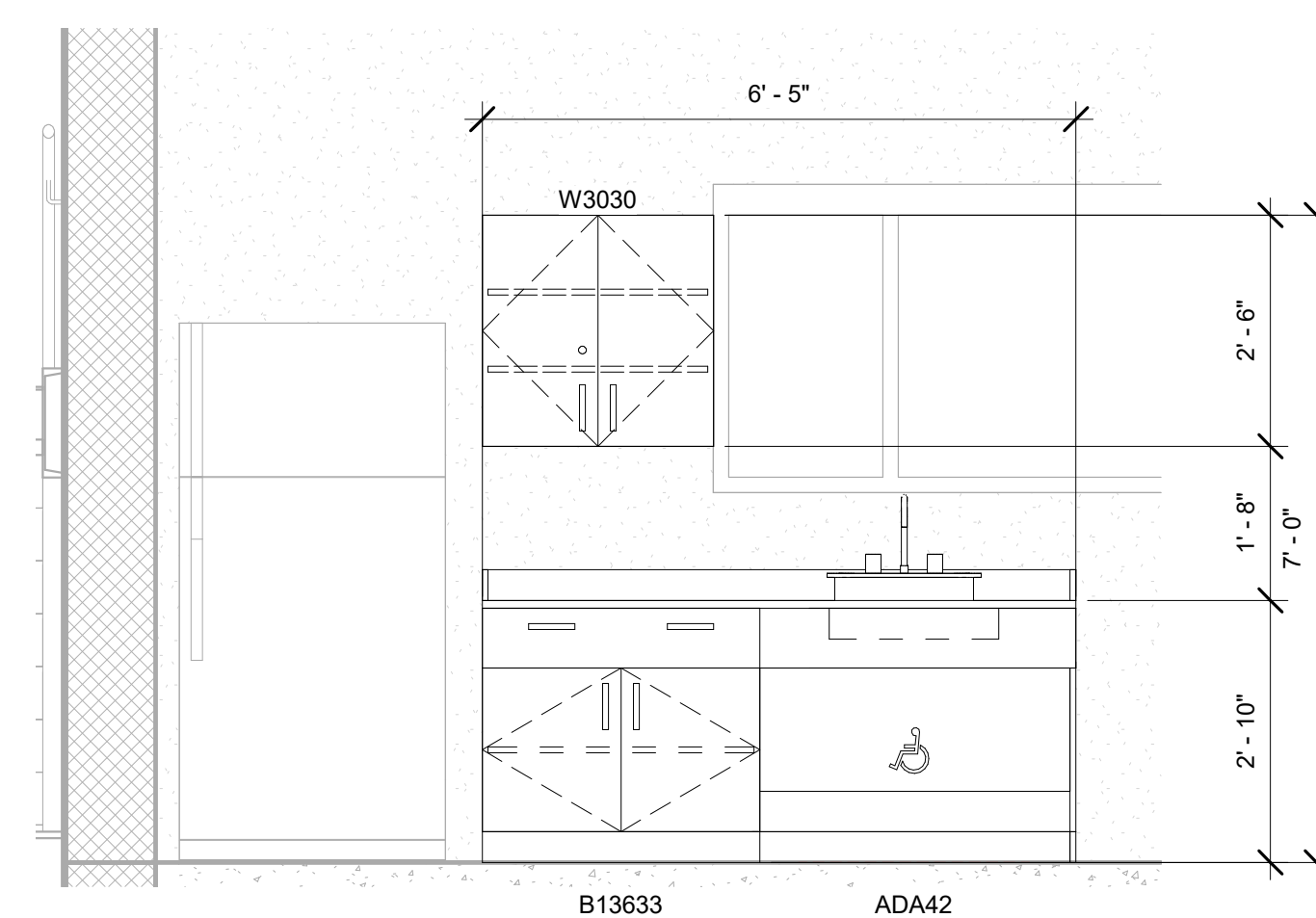
5 D109 - Nurse - Exam
1/2" = 1'-0"



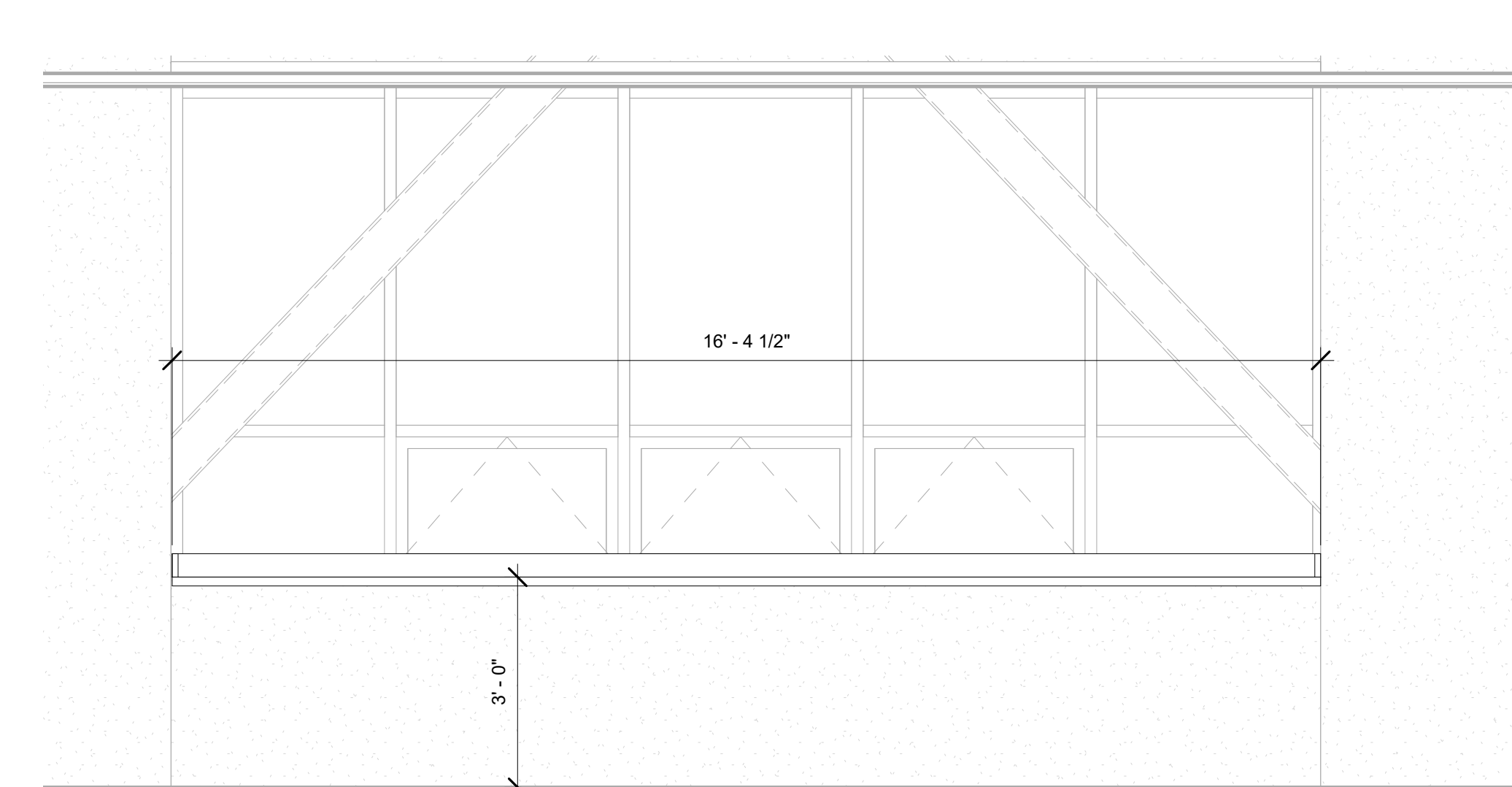
12 B203C - Computer Lab - South
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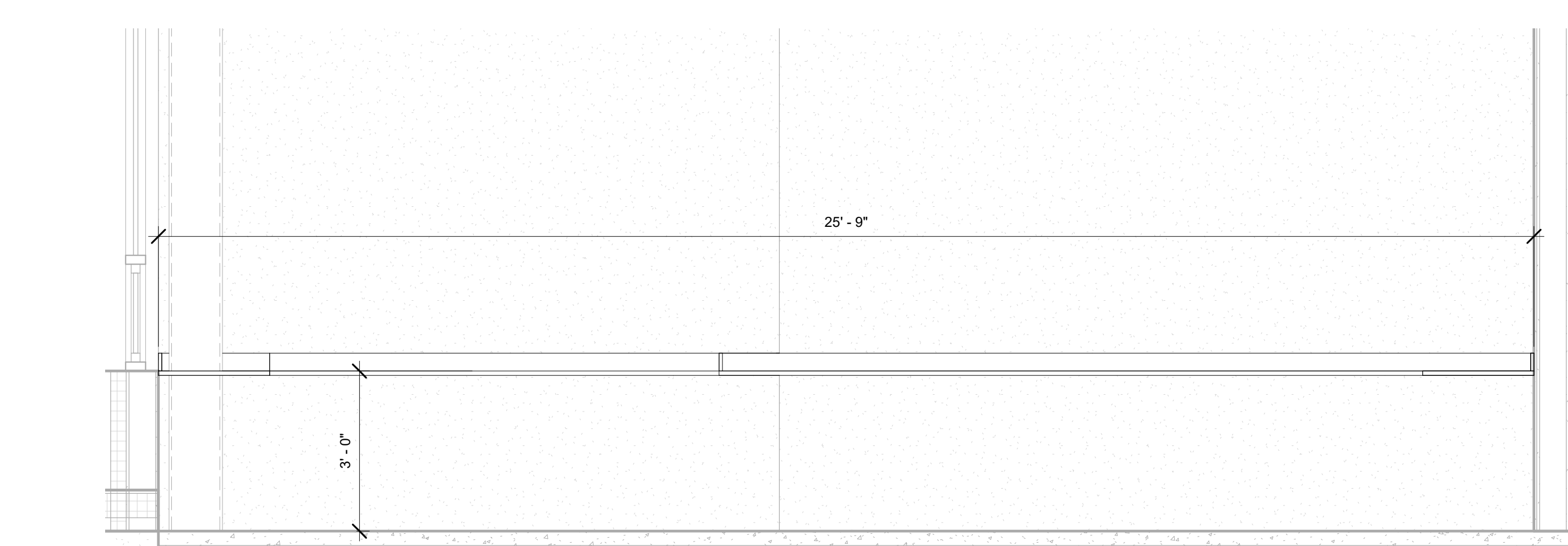
9 B429 - Computer Lab - West
1/2" = 1'-0"



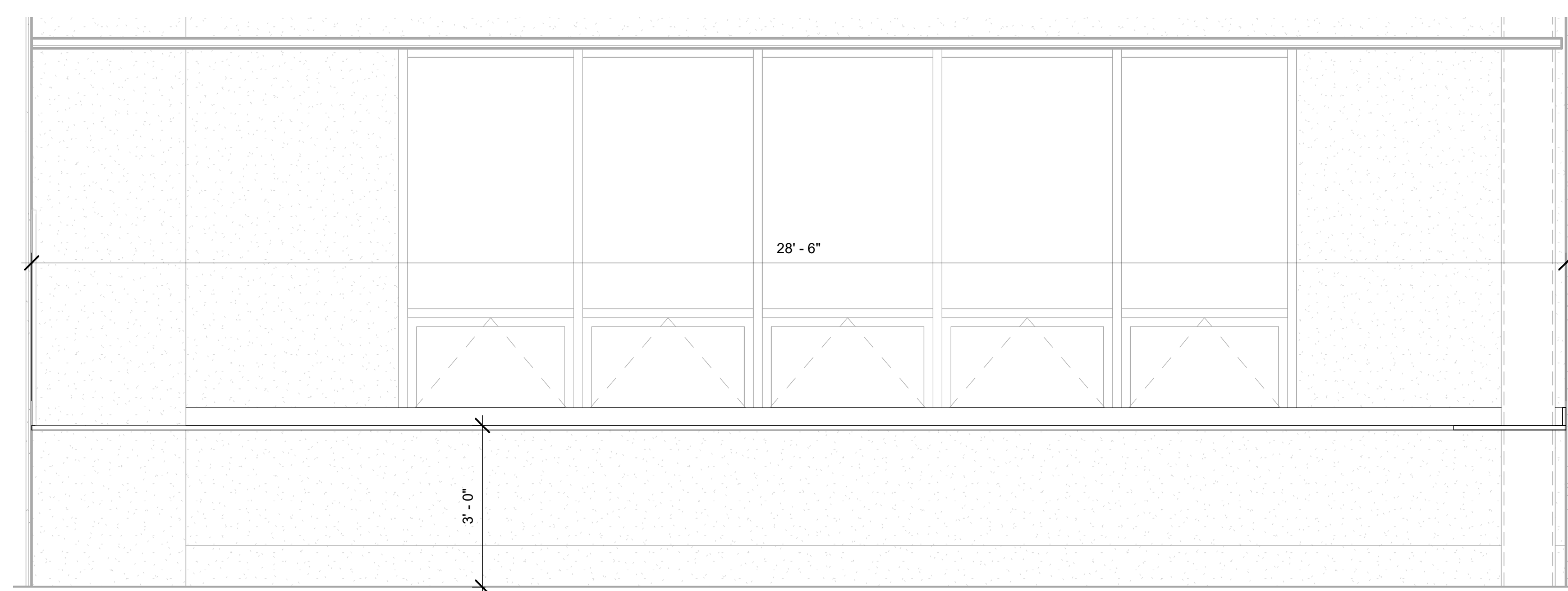
6 D110 - Nurse - Exam
1/2" = 1'-0"



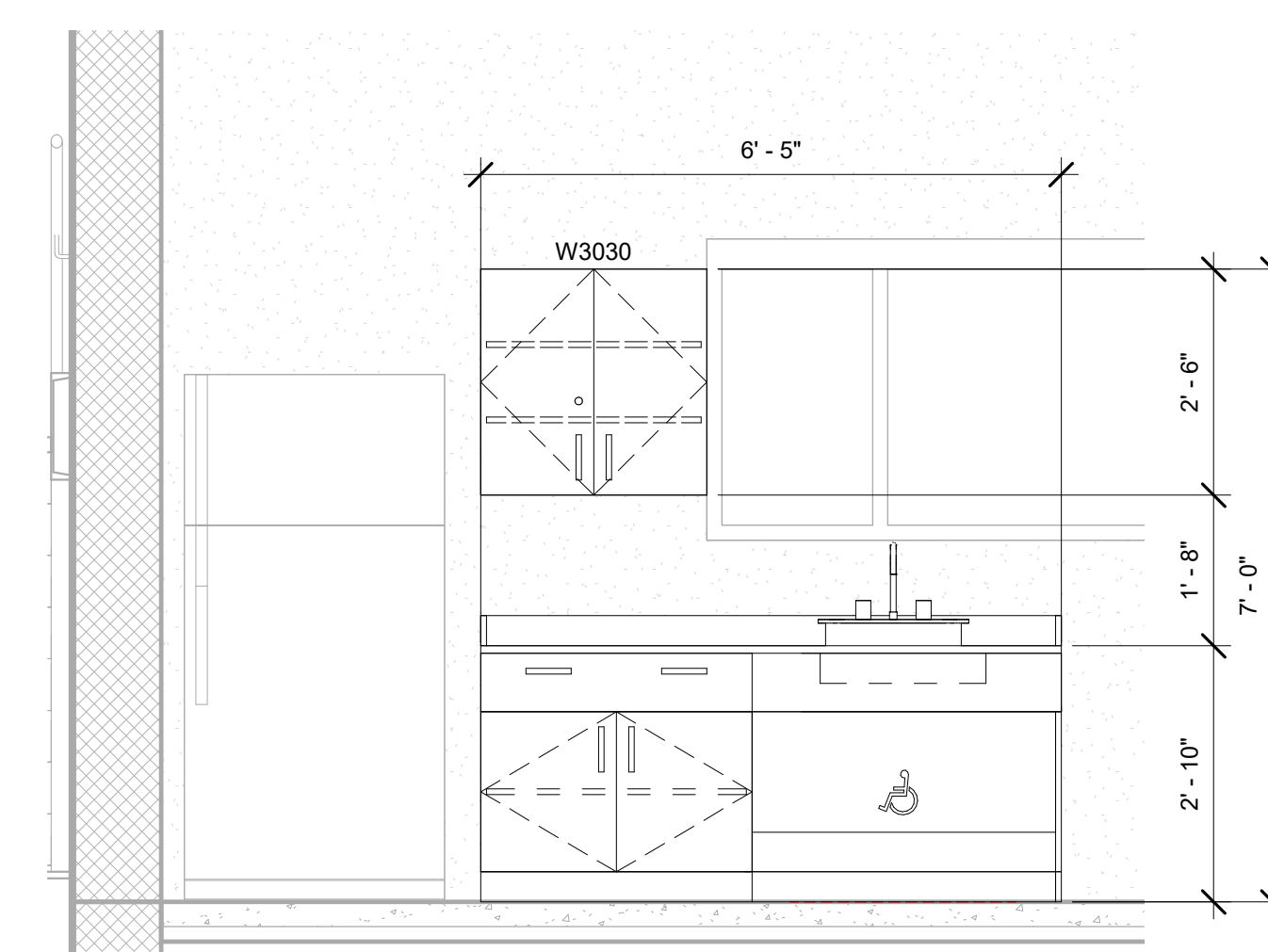
8 B429 - Computer Lab - North
1/2" = 1'-0"



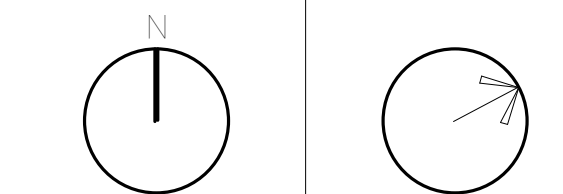
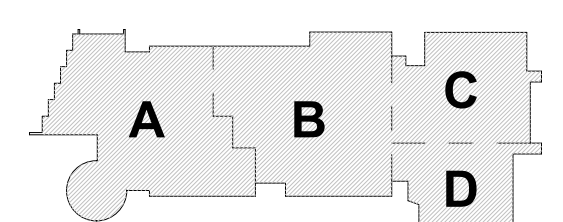
10 B203C - Computer Lab - East
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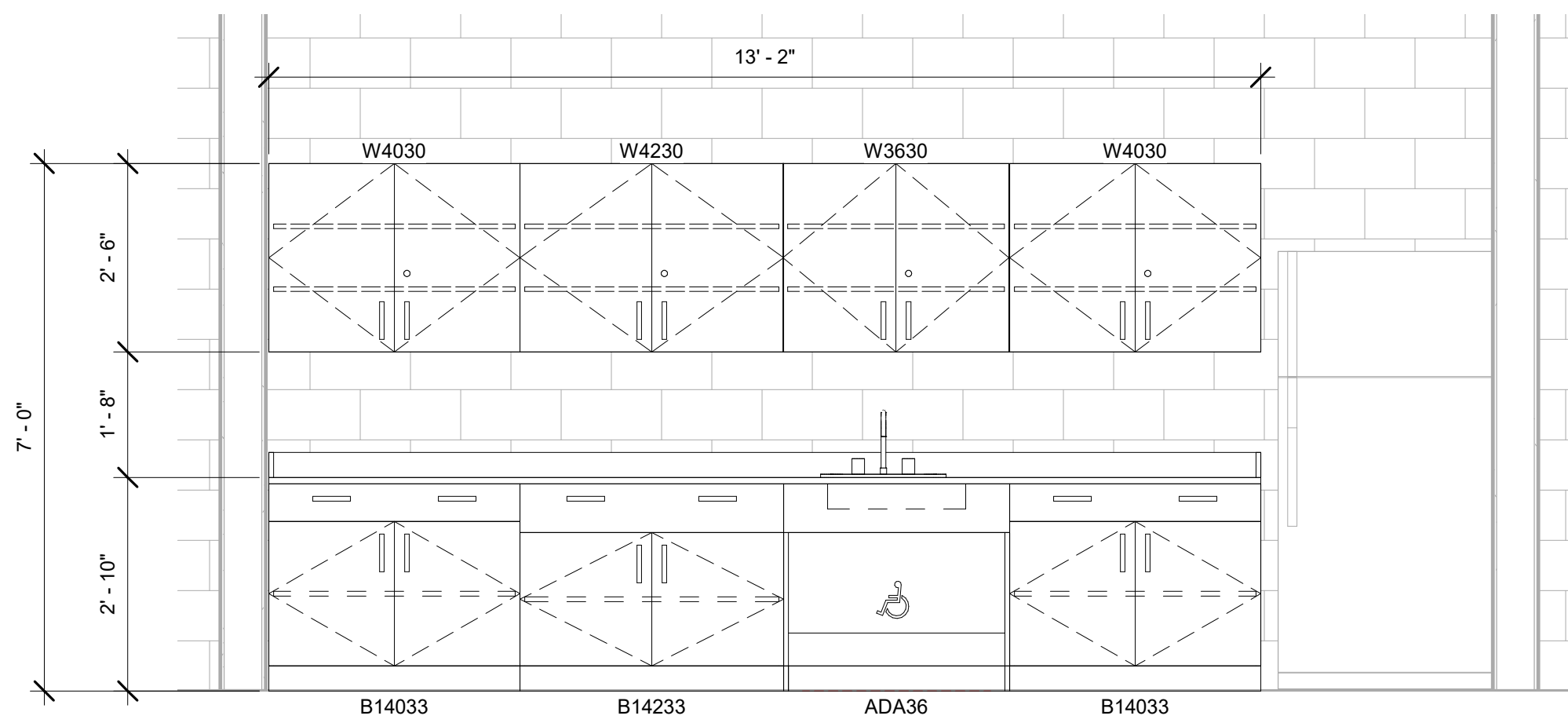


11 B203C - Computer Lab - North
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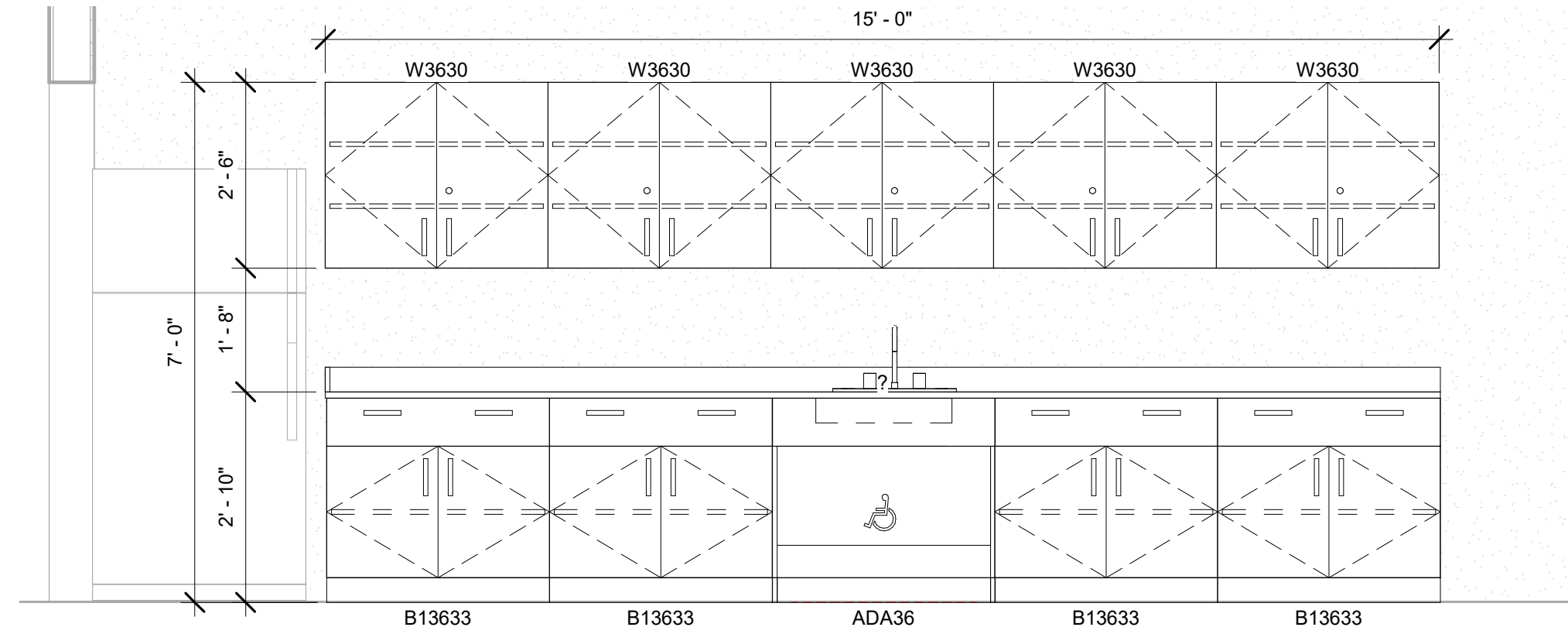


4 D105 - Nurse - Resting
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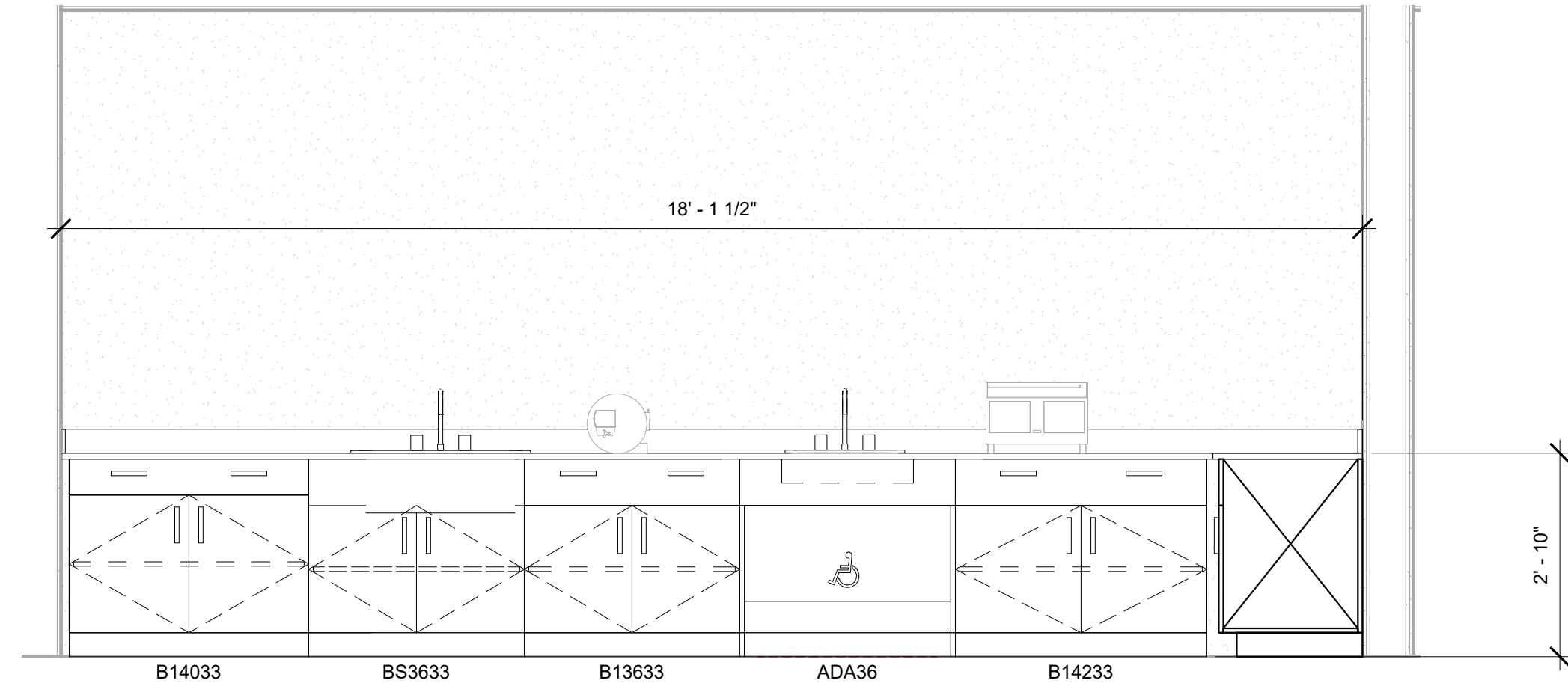




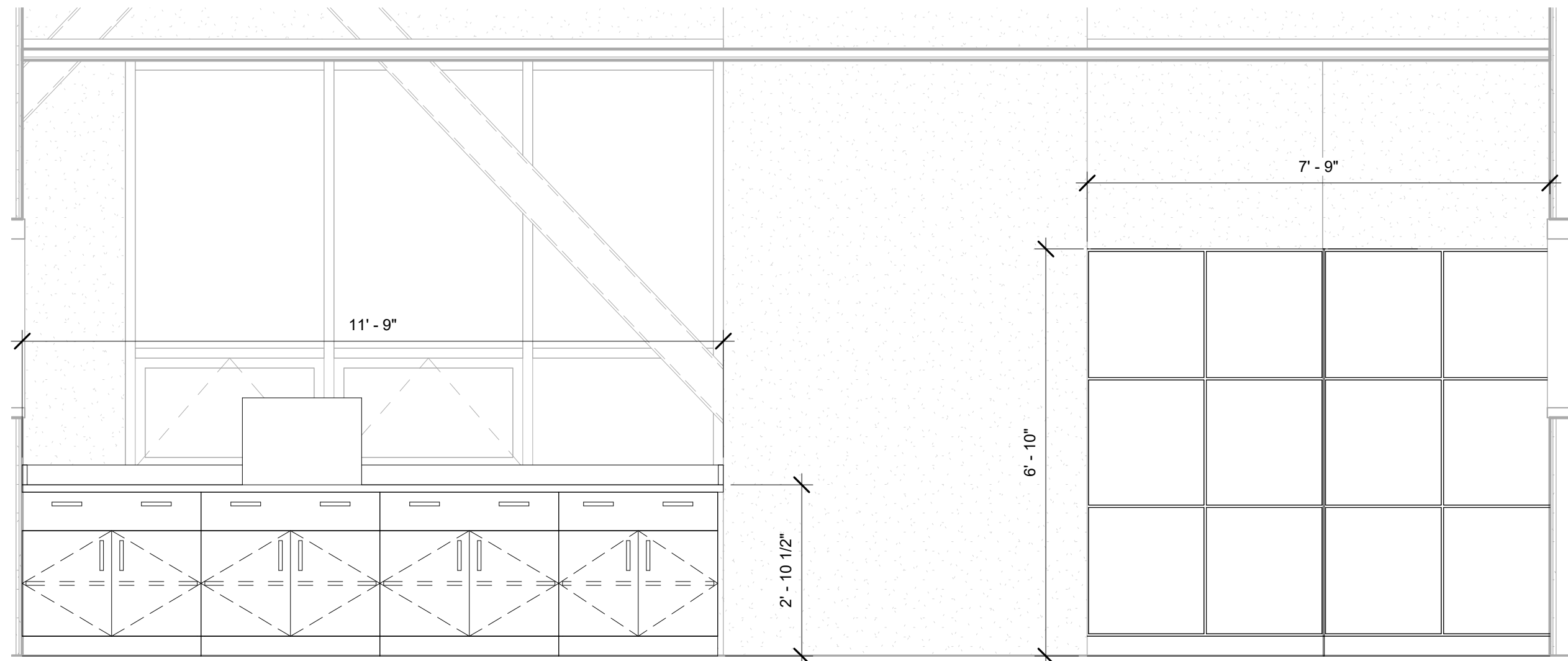
10. C106K-Storage
1/2" = 1'-0"



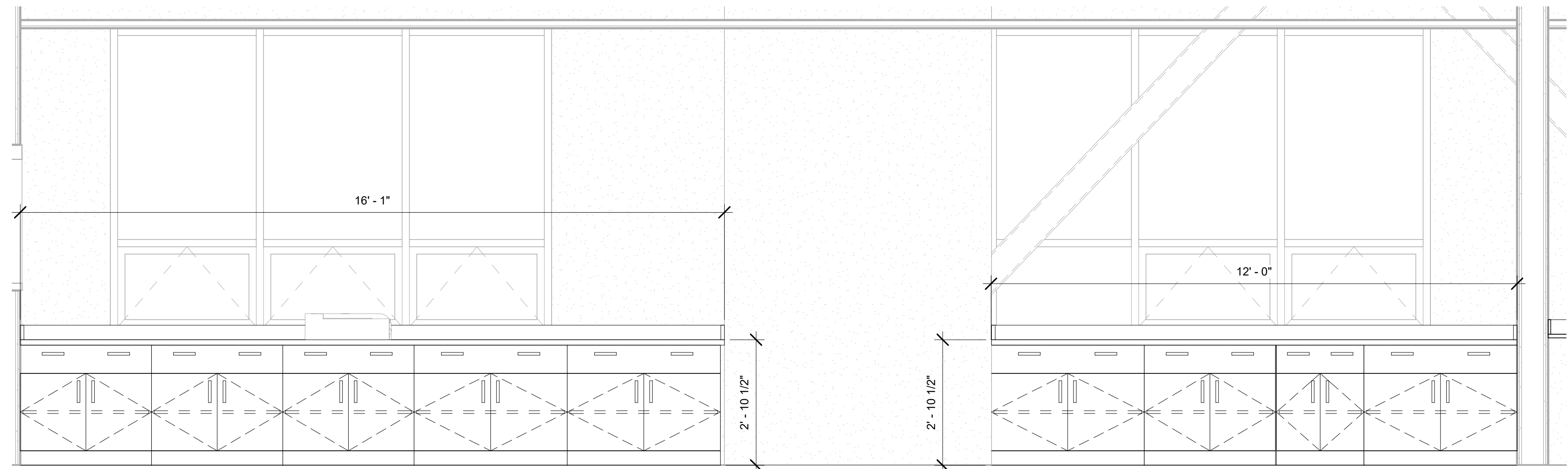
4. A131-Duplicating-East
1/2" = 1'-0"



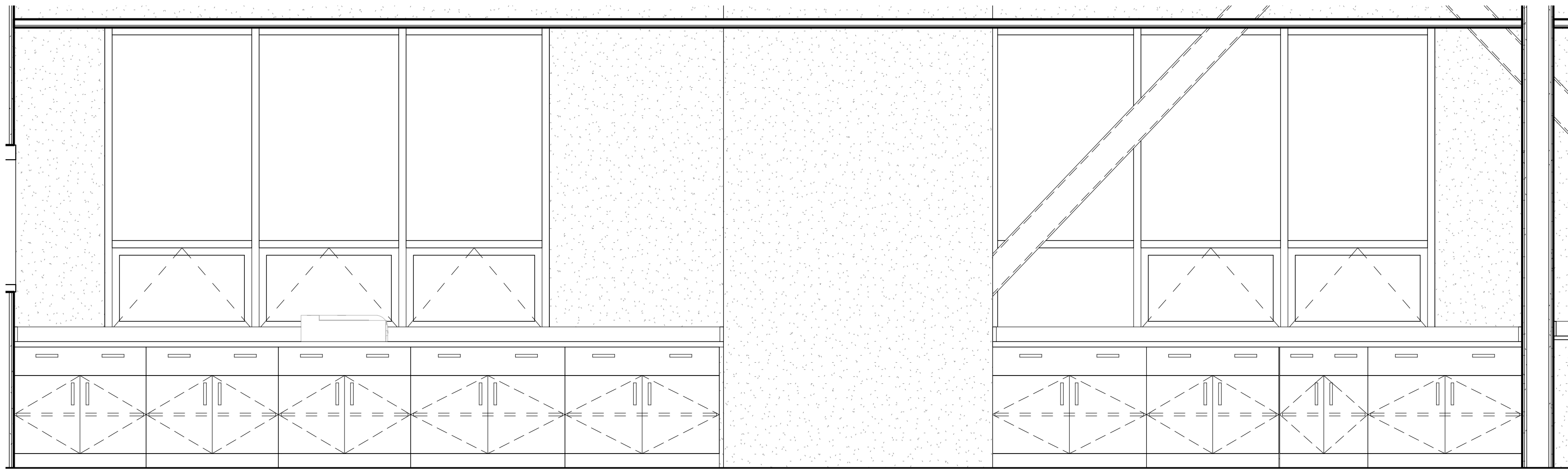
12. B351-Model Making - South
1/2" = 1'-0"



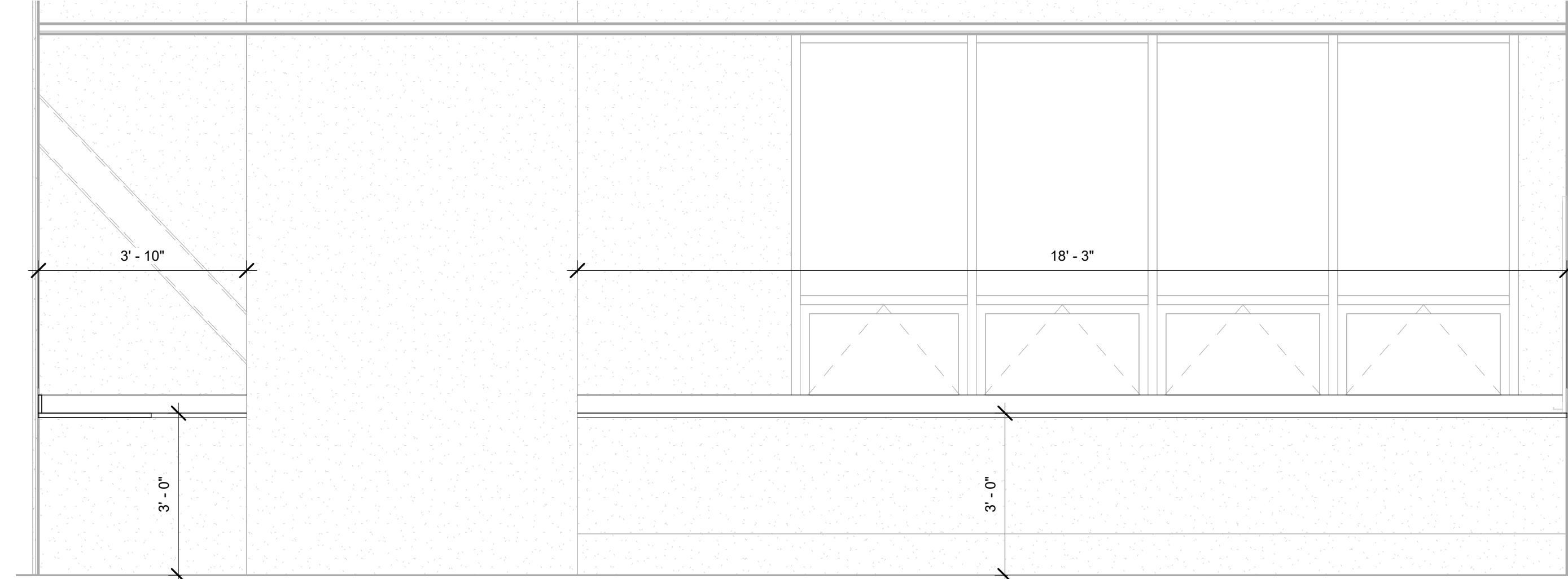
1. B201D-Computer Lab- North
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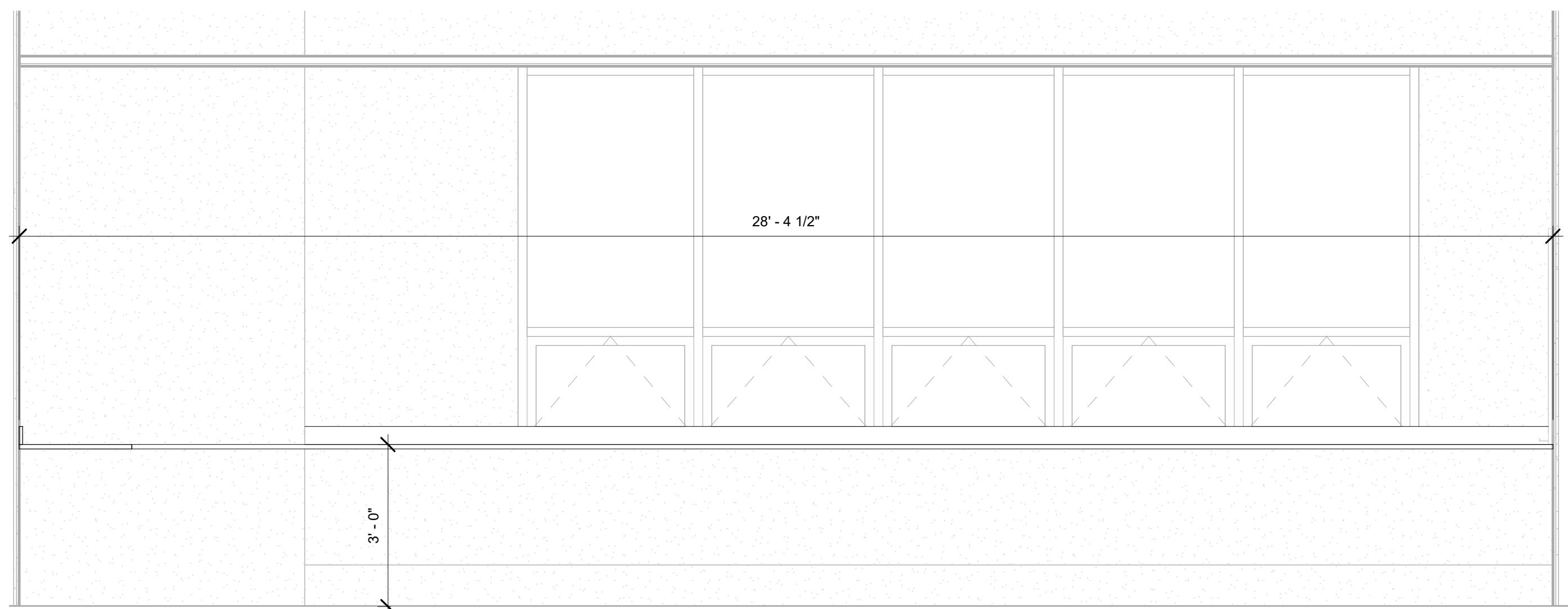
2. B201D-Computer Lab- North
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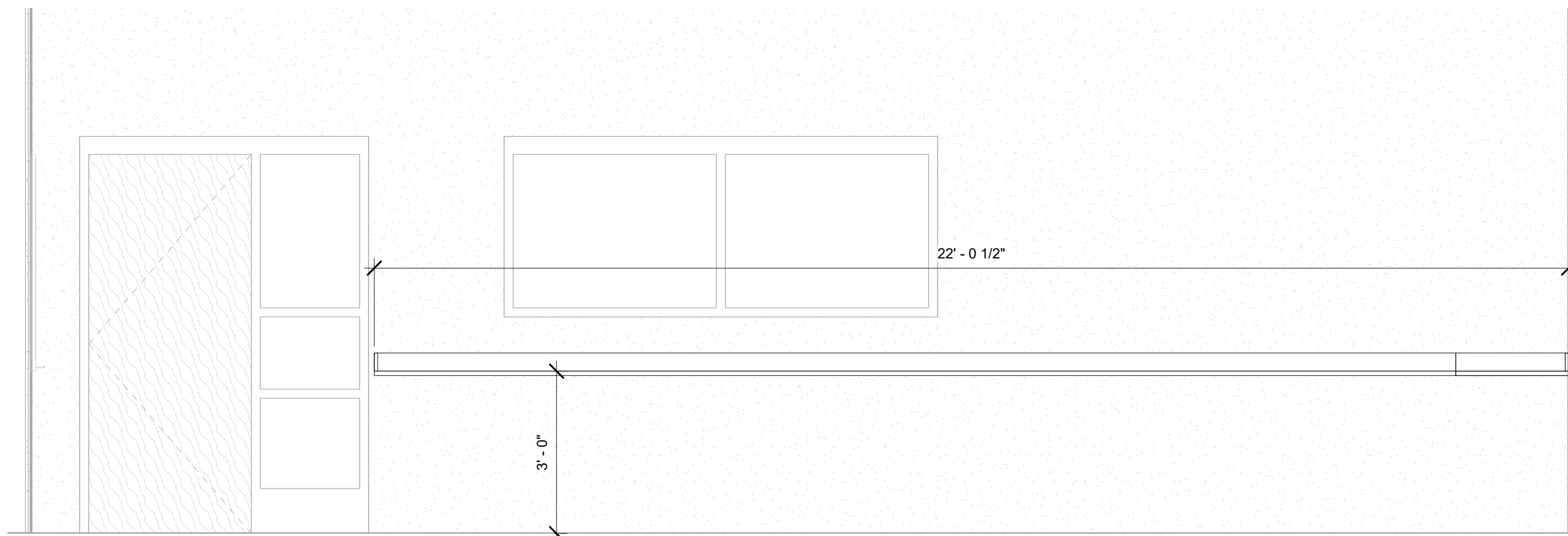
3. B201D-Computer Lab- North1
1/2" = 1'-0"



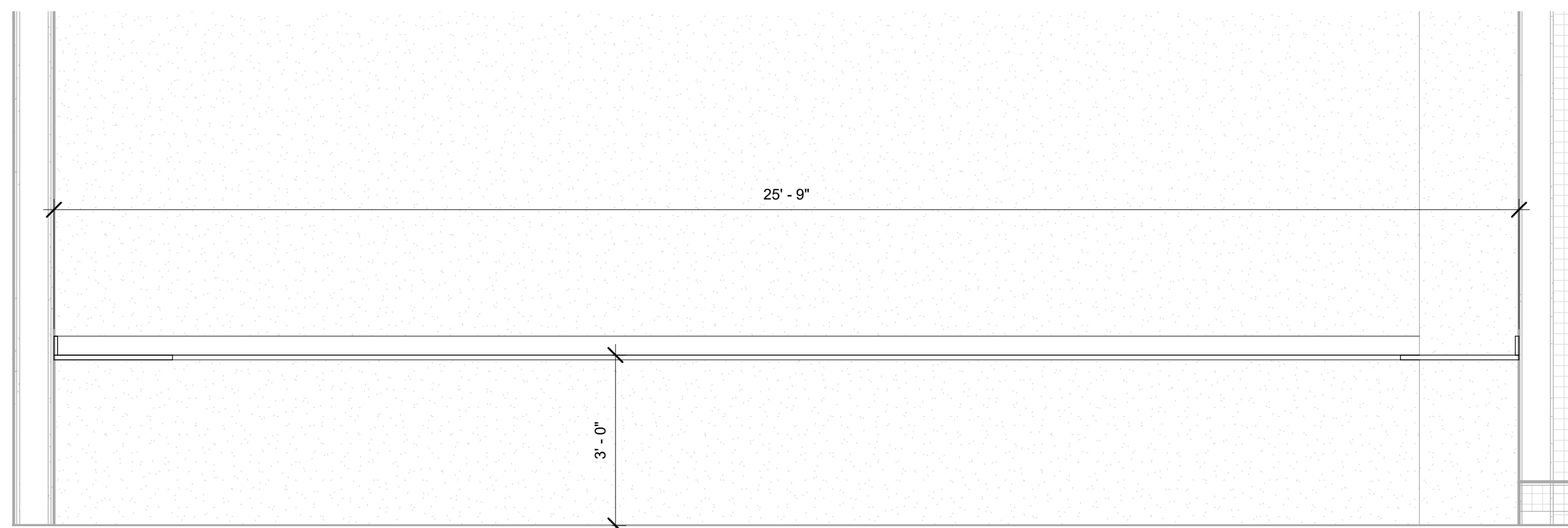
11. B202C-Computer Lab- North
1/2" = 1'-0"



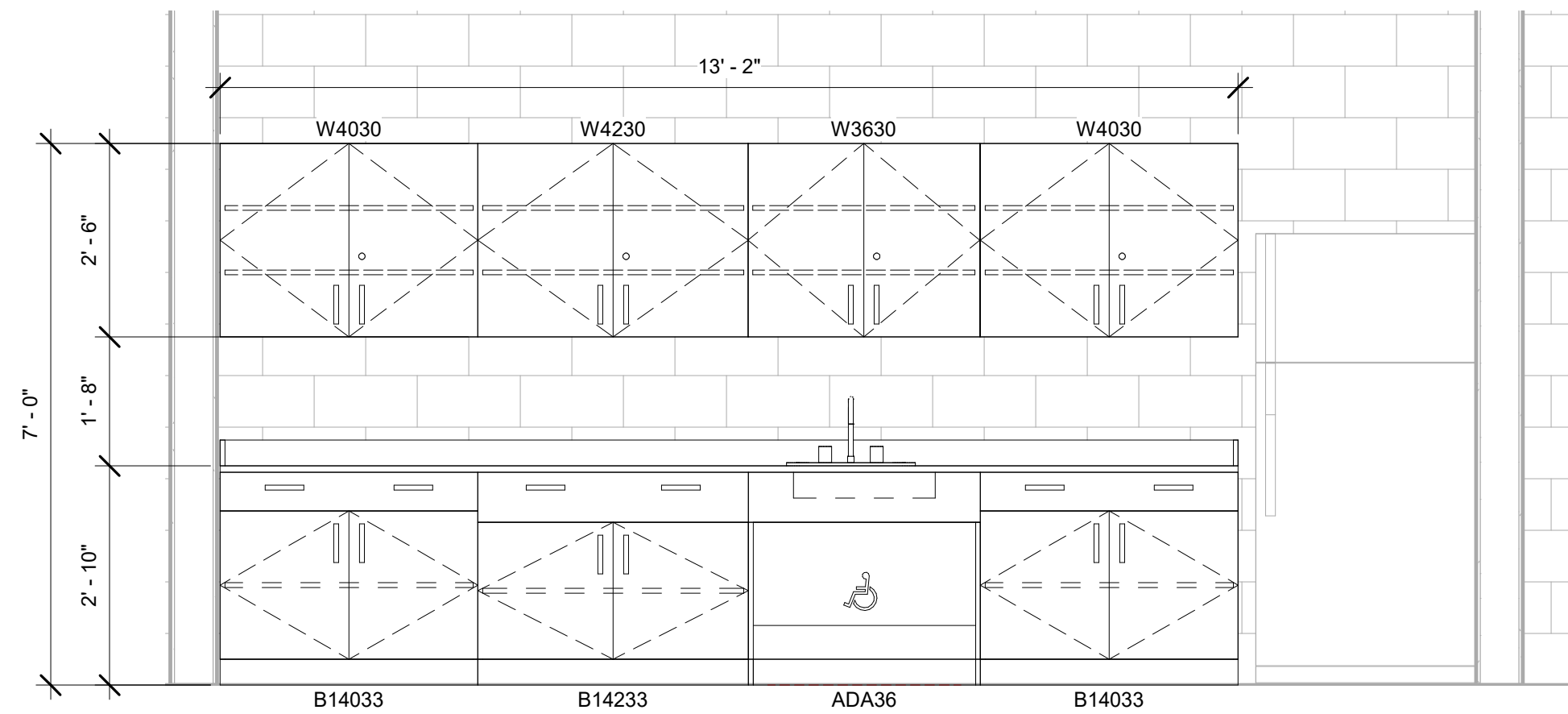
6. B203D-Computer Lab- North
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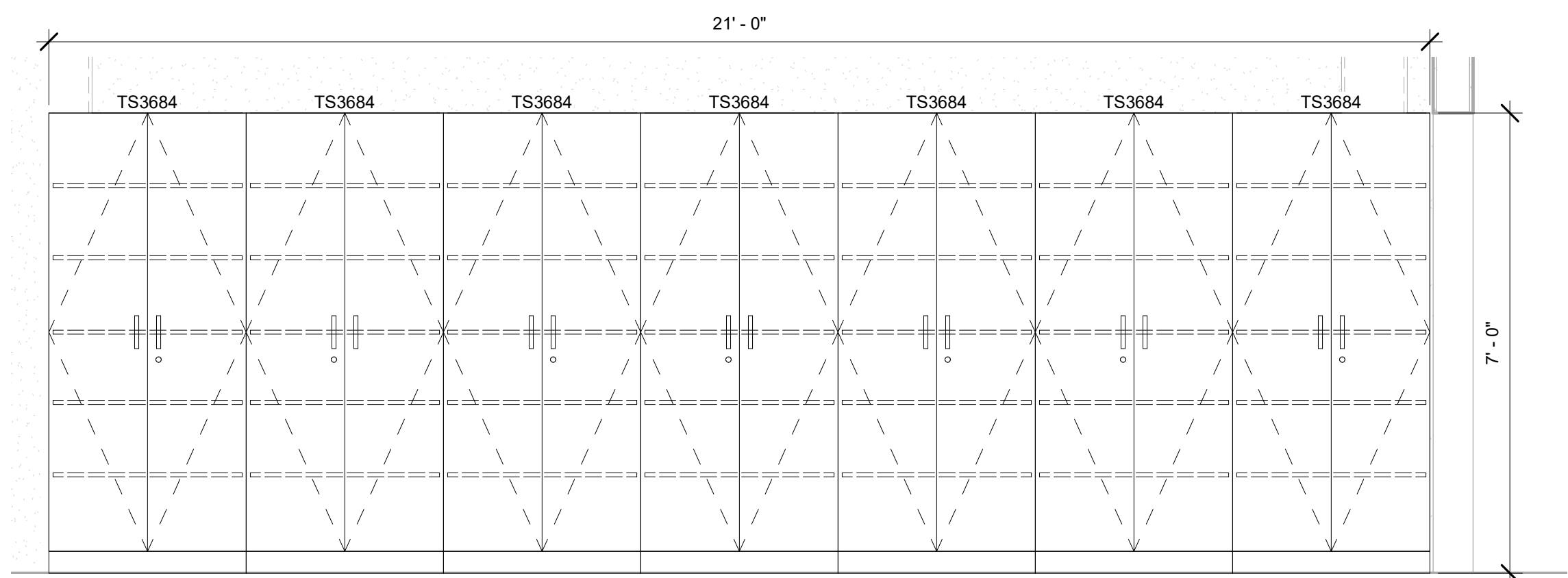
7. B203D-Computer Lab- South
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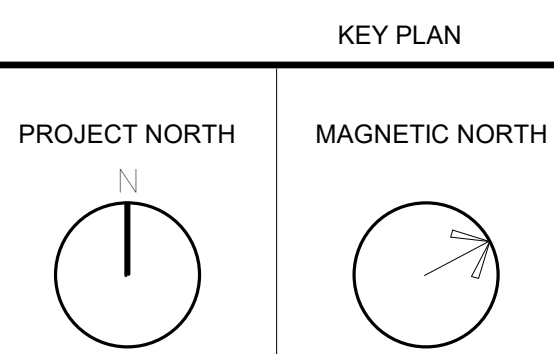
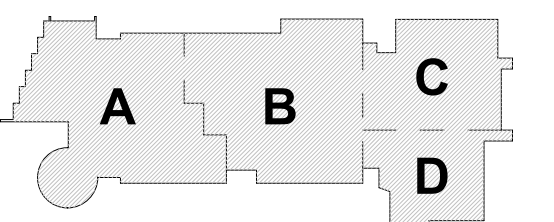
8. B203D-Computer Lab- West
1/2" = 1'-0"



9. C106J-Kitchen
1/2" = 1'-0"



5. A131-Duplicating- West
1/2" = 1'-0"



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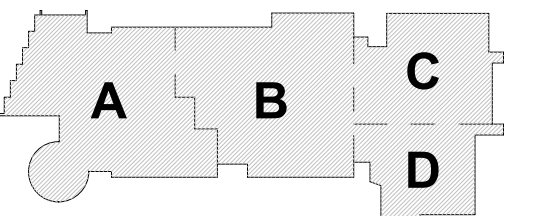
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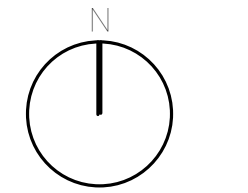
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SUBMISSION

08/04/2022

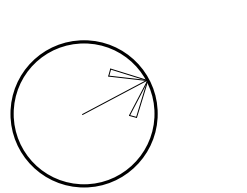


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



**Casework
Elevations**

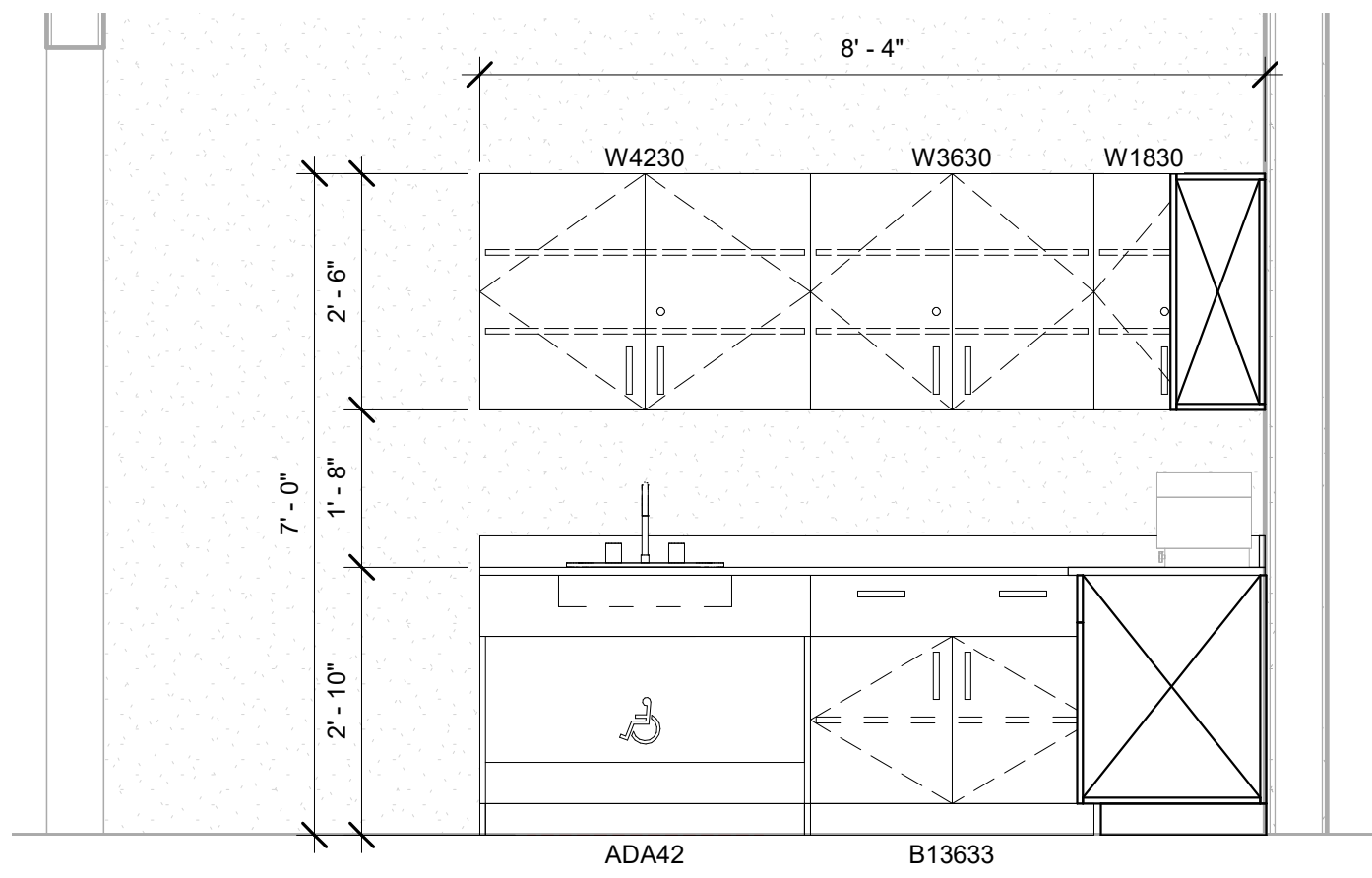
Scale: 1/2" = 1'-0"

Job No.: 20202

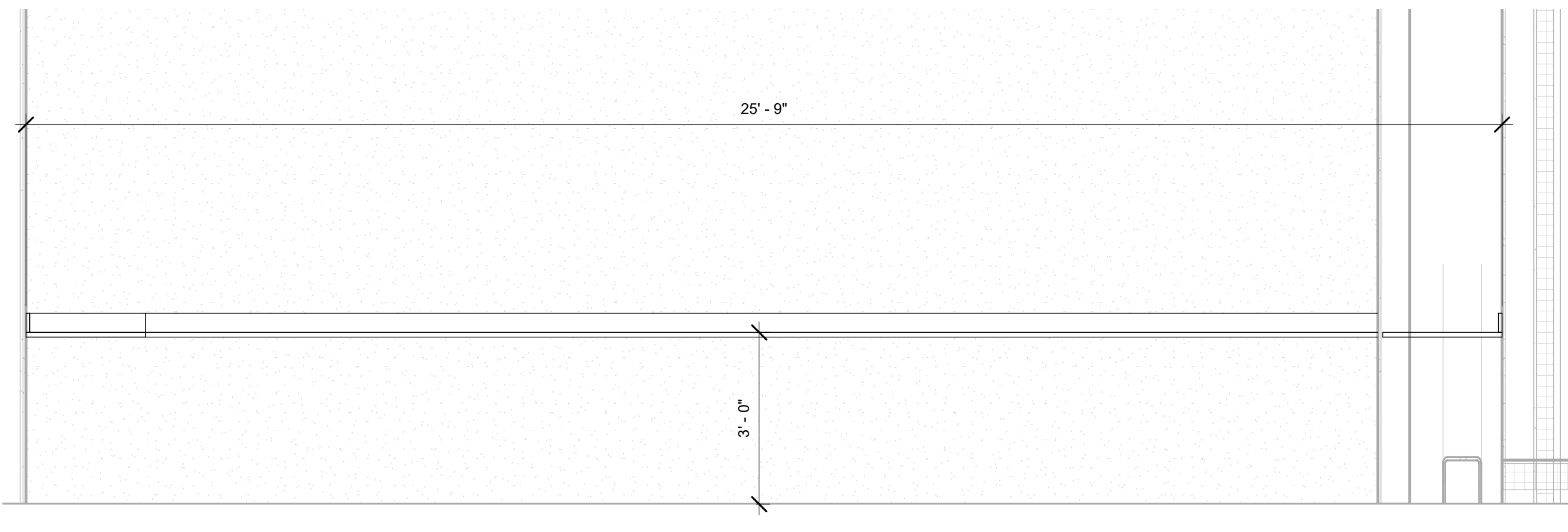
Drawn By: DRA

Date: 08/04/2022

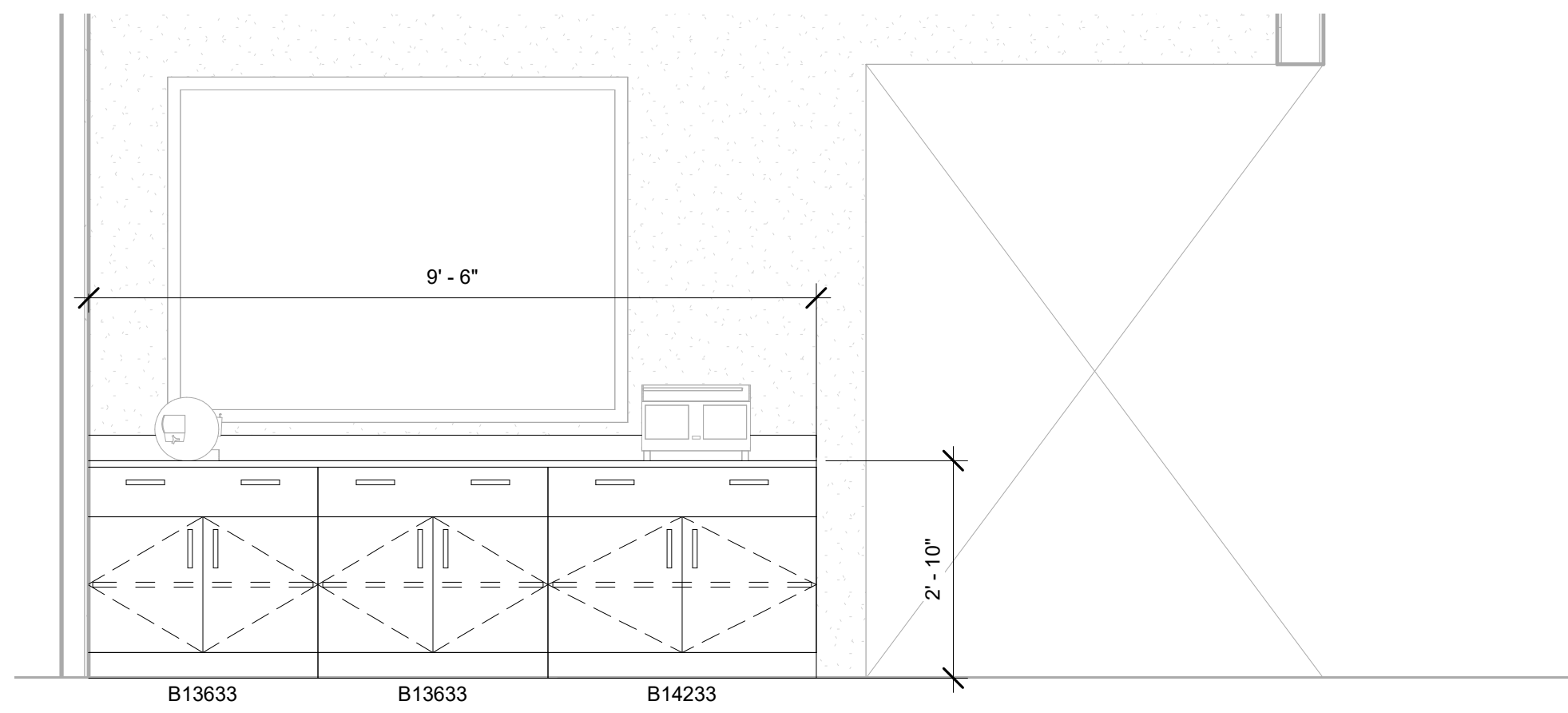
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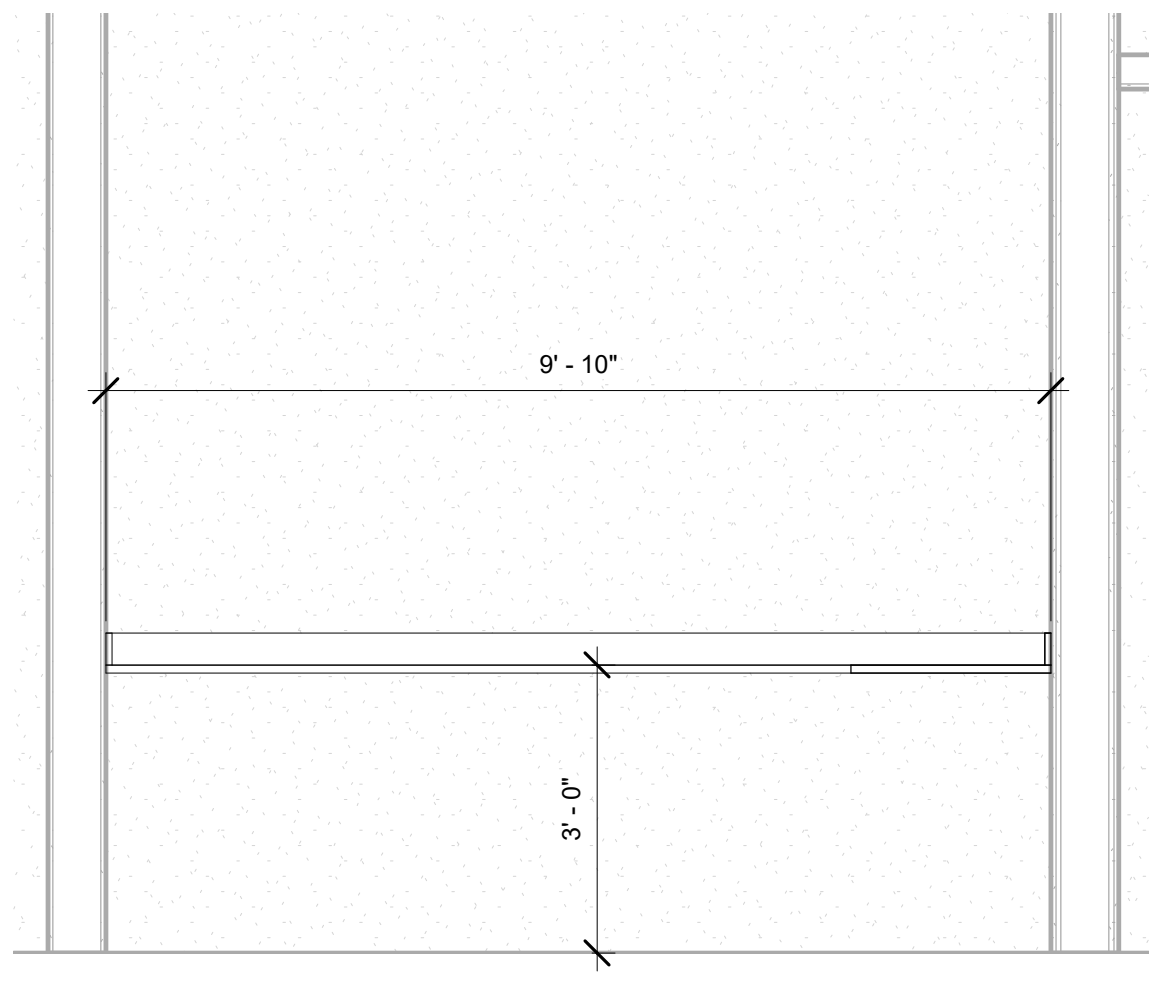
① B356- Steralization- East
1/2" = 1'-0"



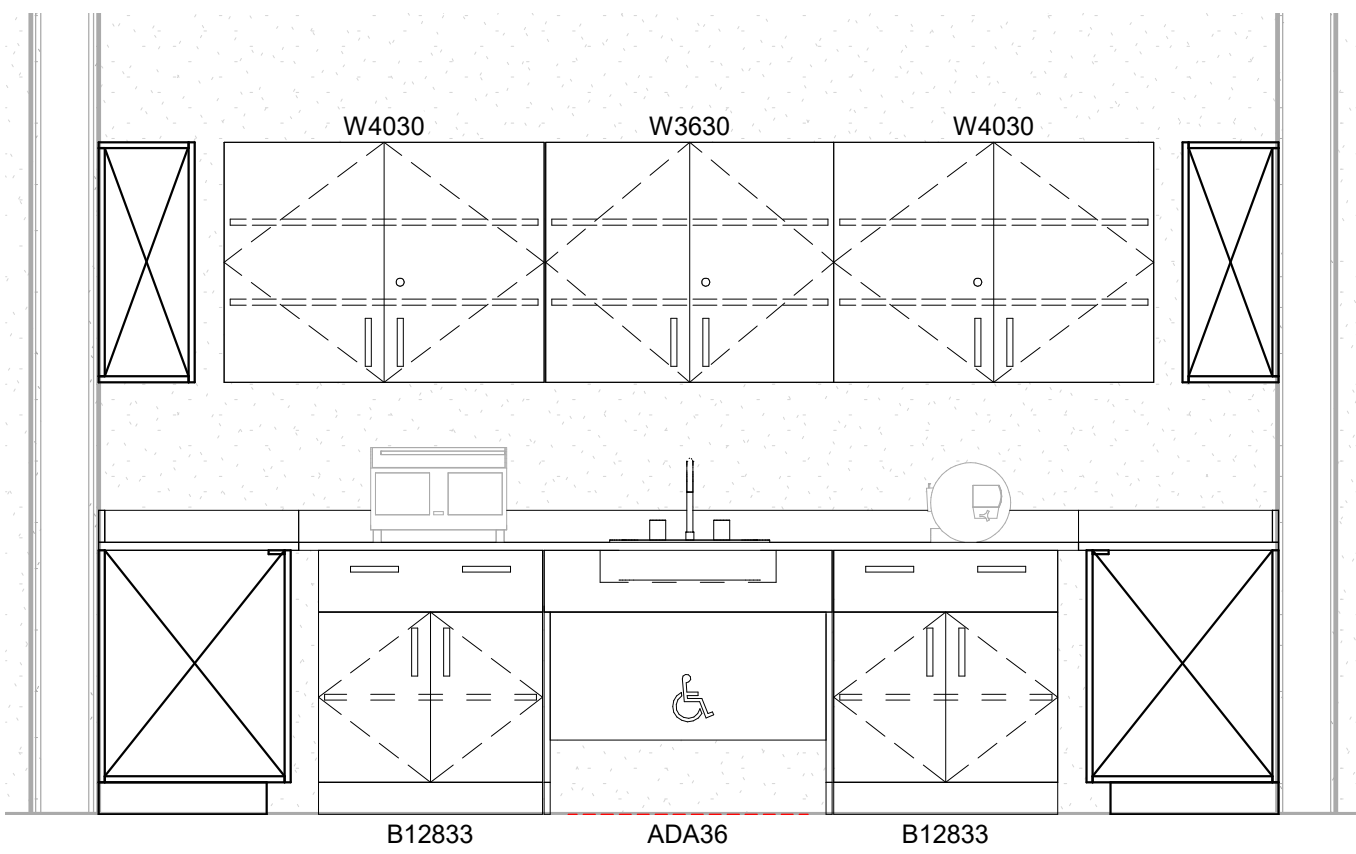
⑩ B202C- Computer Lab- West
1/2" = 1'-0"



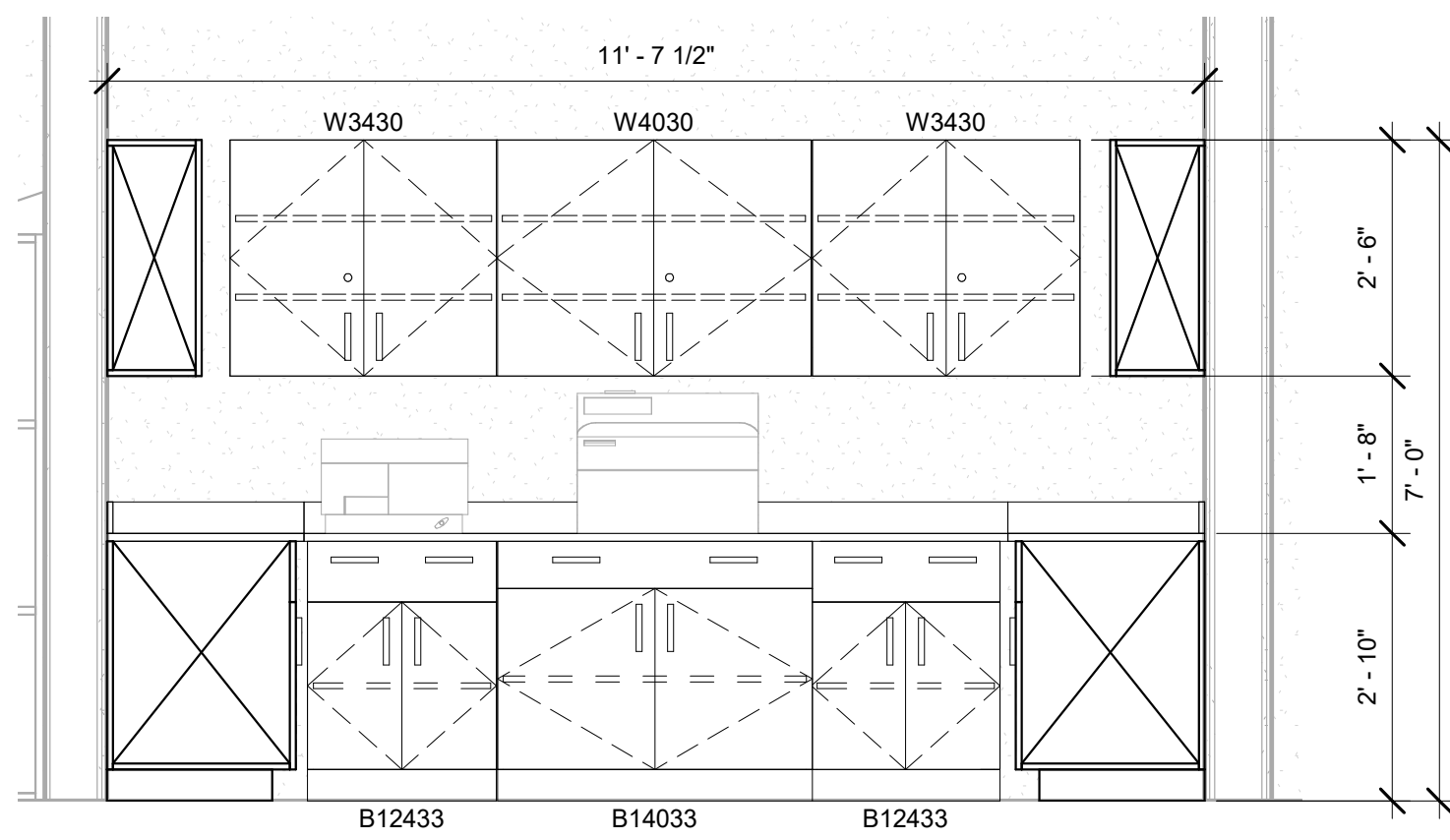
⑪ B351- Model Making- North
1/2" = 1'-0"



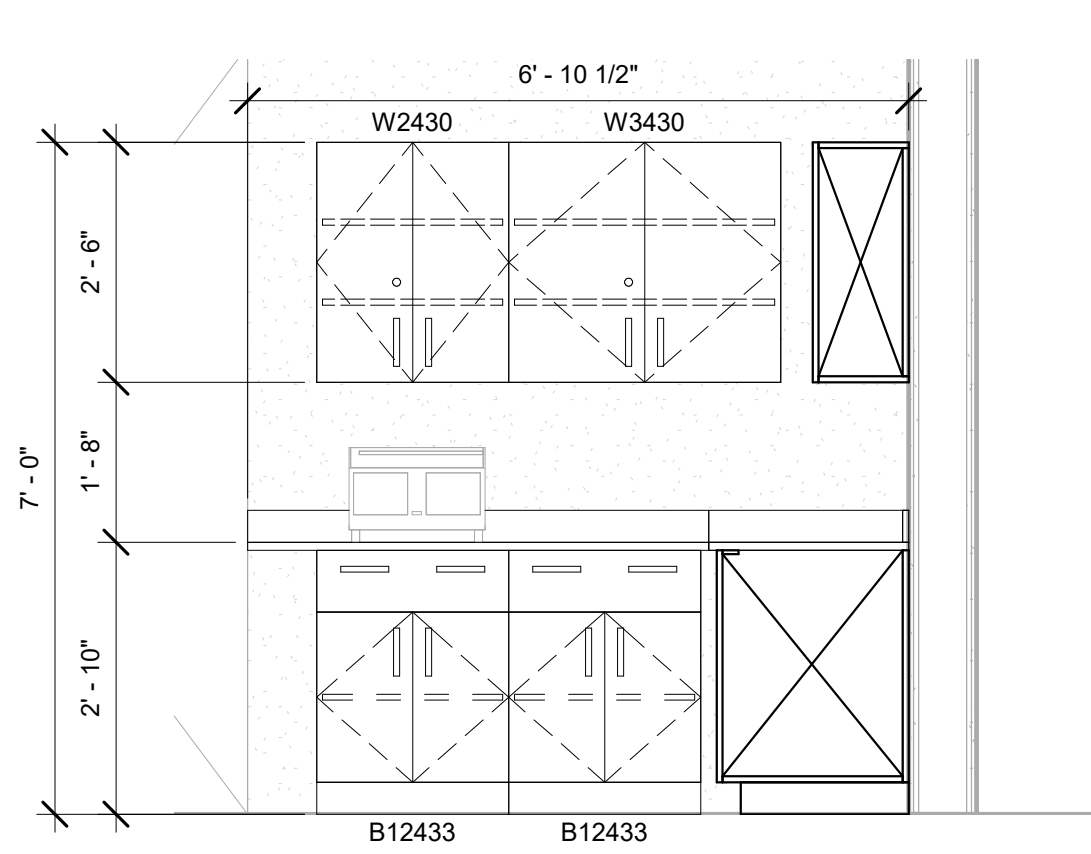
⑫ B202D- Business Tech- Office - South
1/2" = 1'-0"



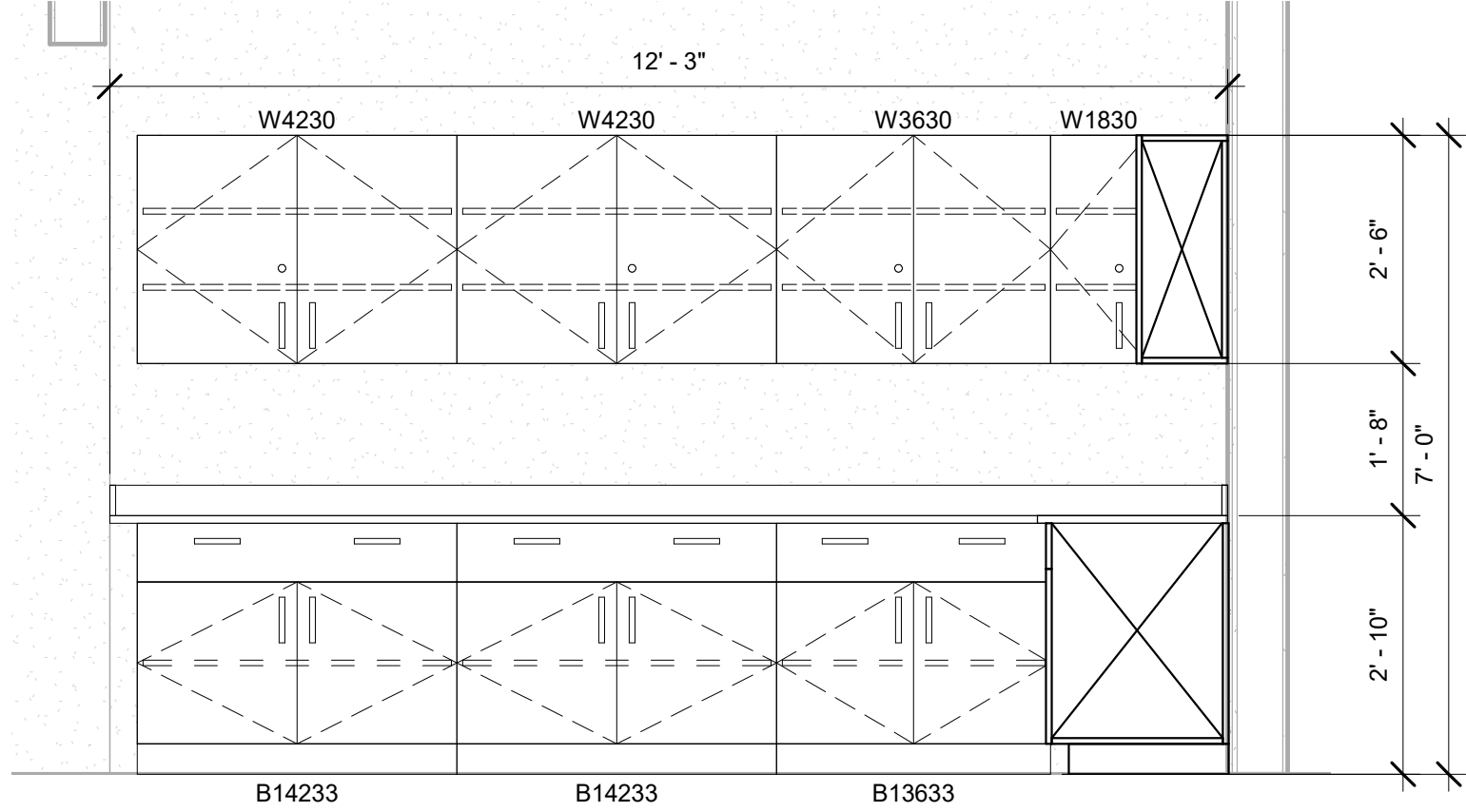
⑧ B361- Model Making- South
1/2" = 1'-0"



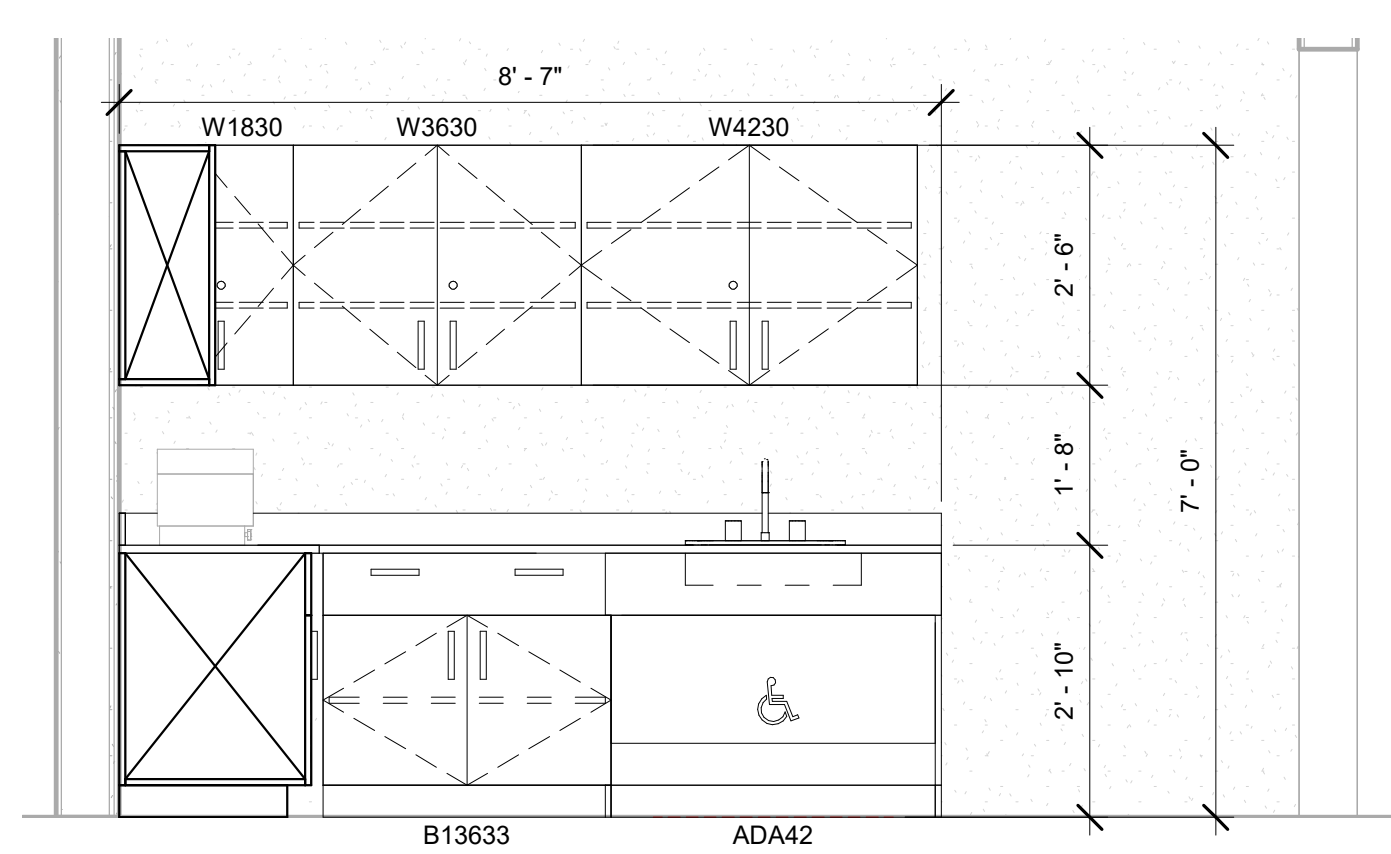
② B356- Steralization- South
1/2" = 1'-0"



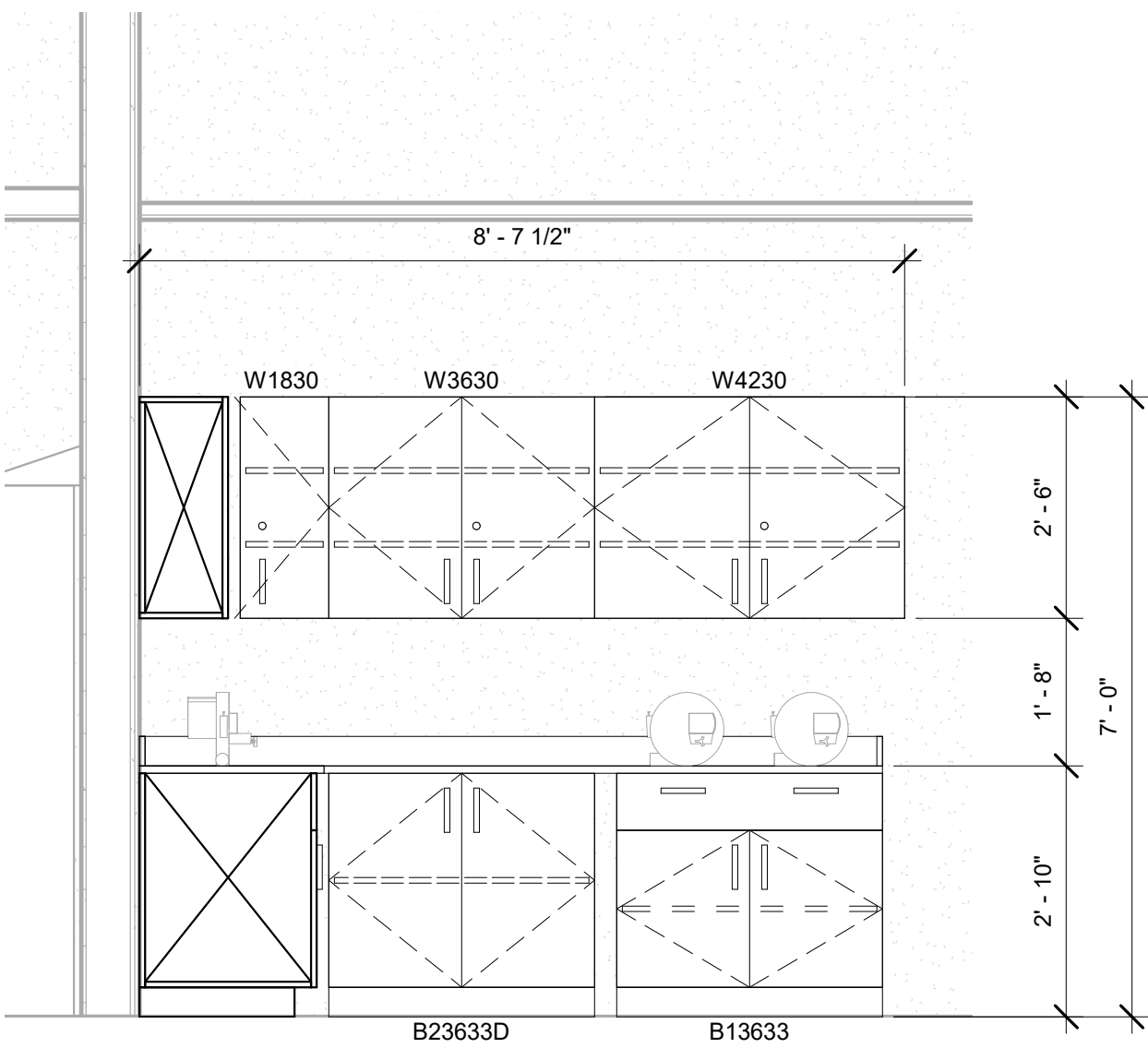
⑩ B361- Model Making- North
1/2" = 1'-0"



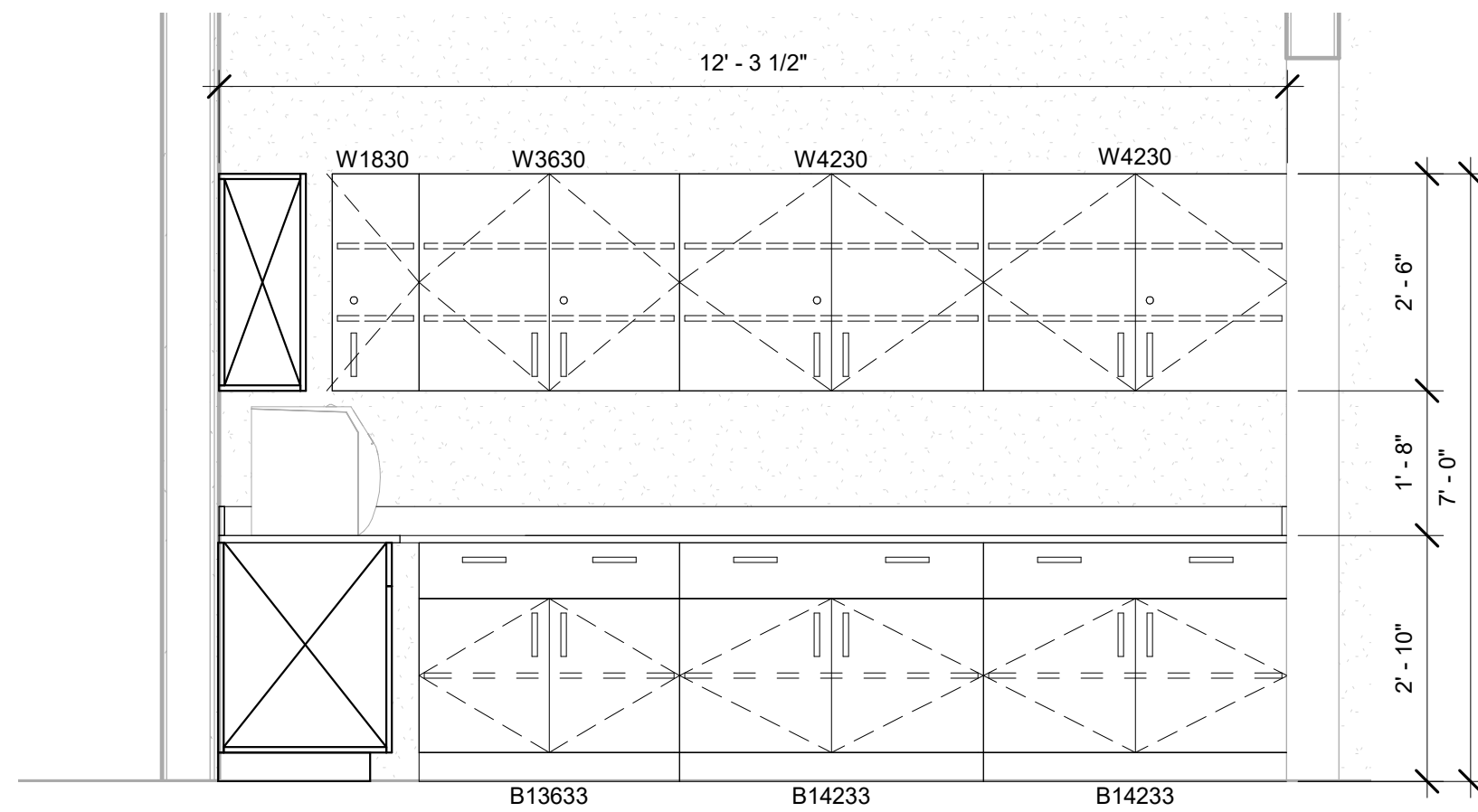
④ B359- Steralization- East
1/2" = 1'-0"



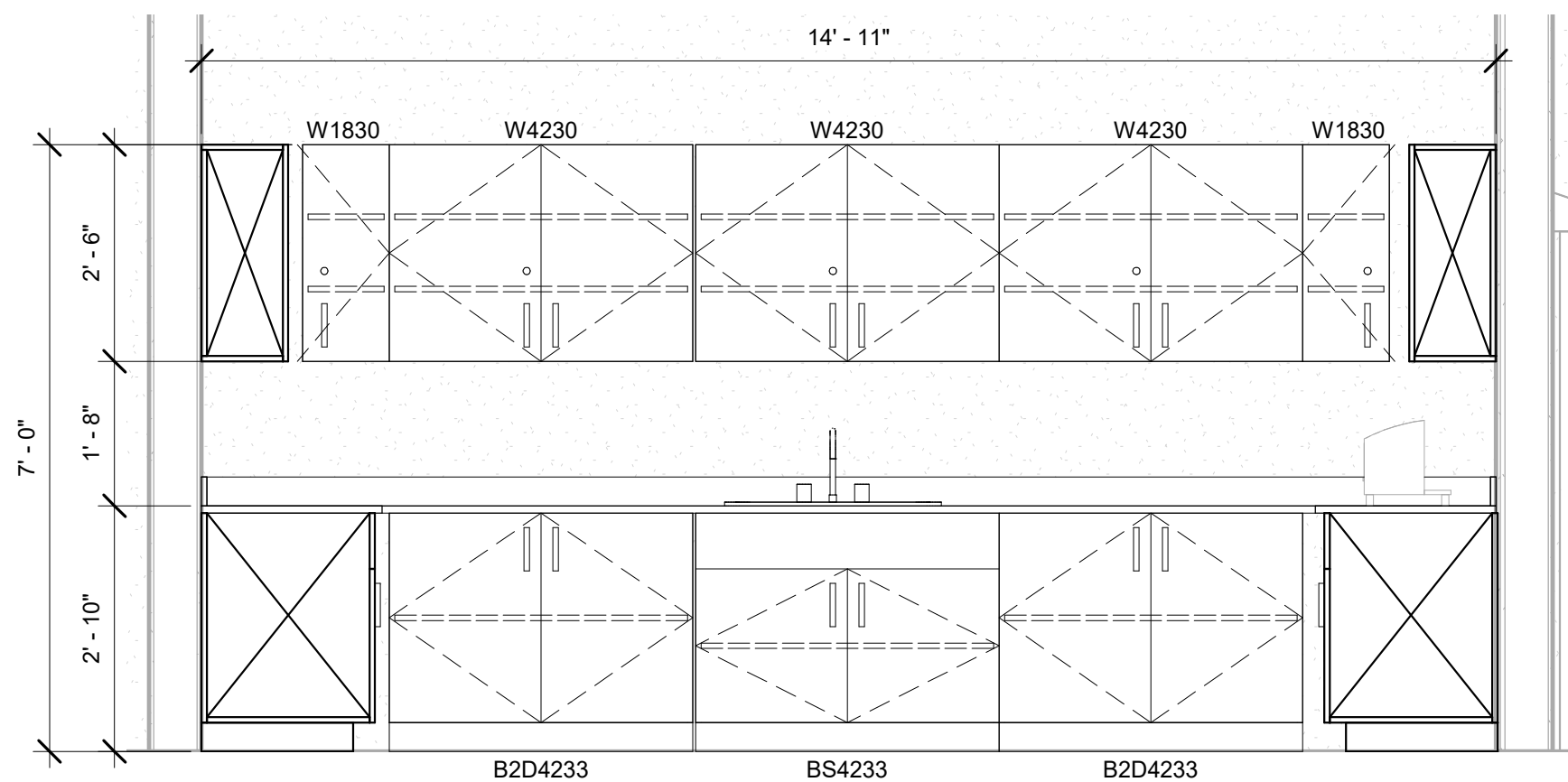
⑥ B359- Steralization- West
1/2" = 1'-0"



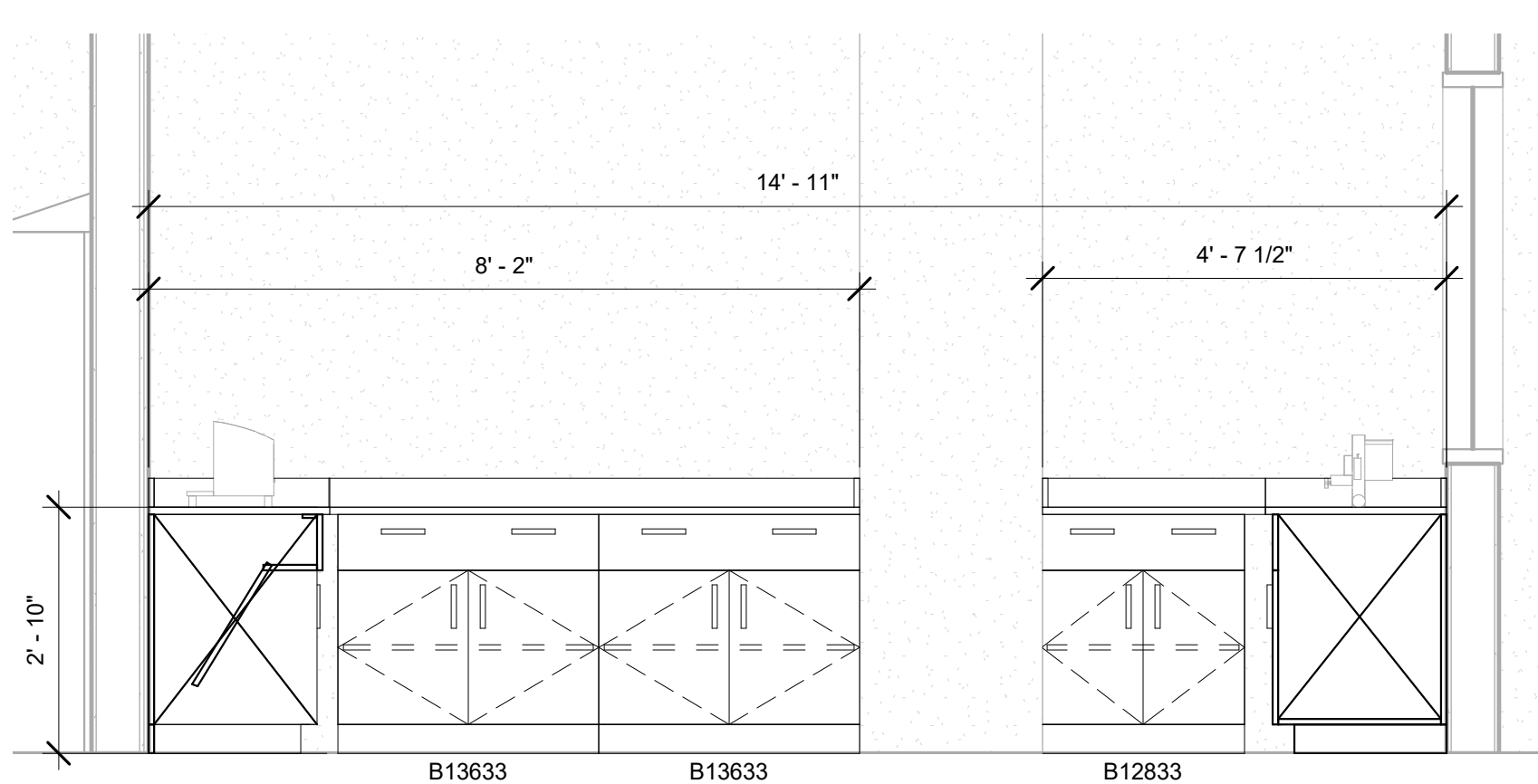
⑨ B361- Model Making- West
1/2" = 1'-0"



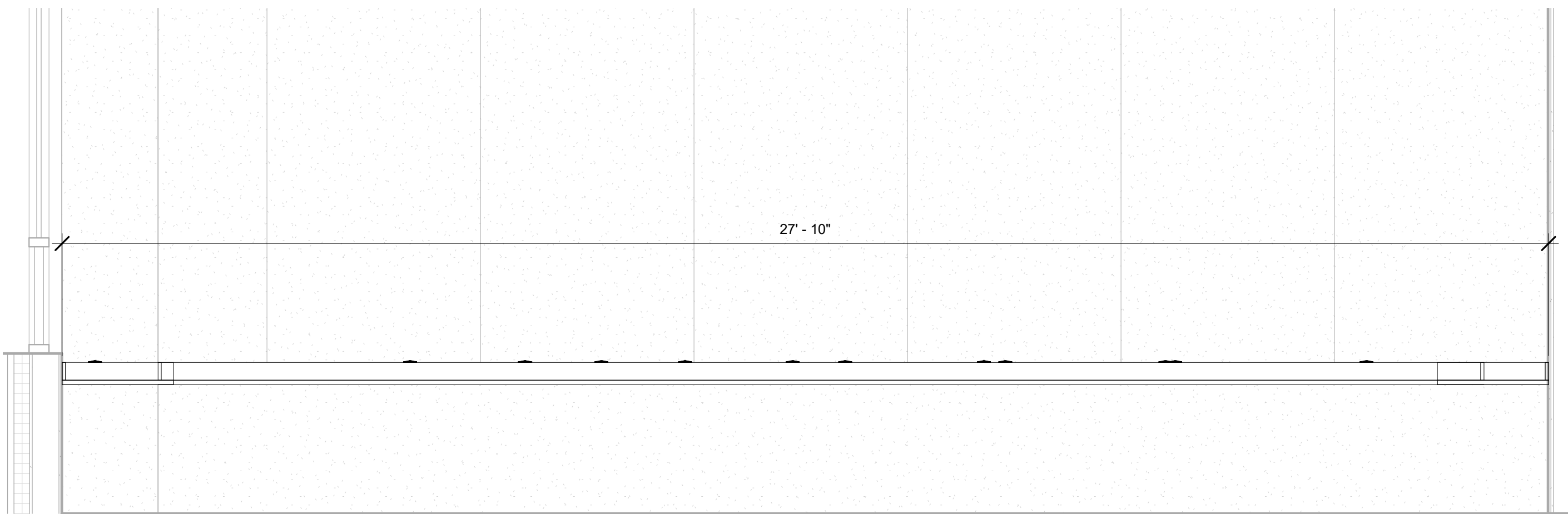
③ B356- Steralization- West
1/2" = 1'-0"



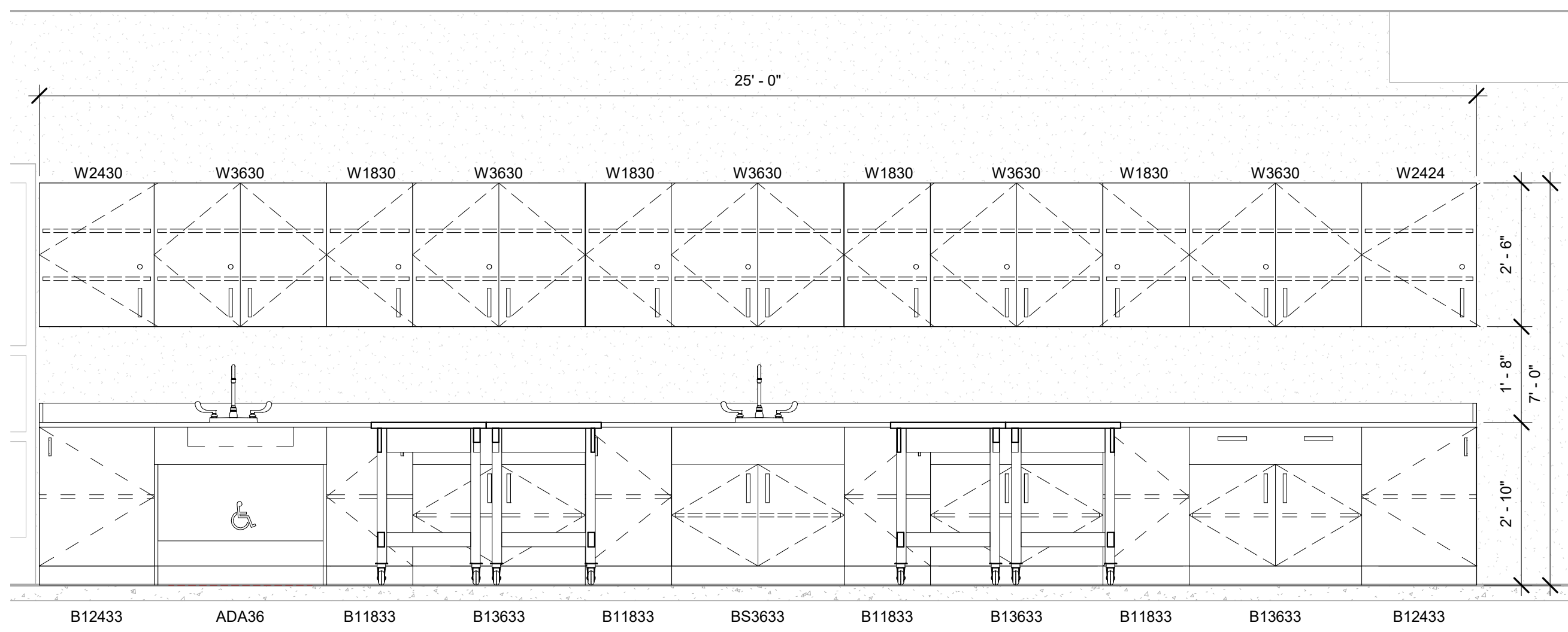
⑦ B361- Model Making- East
1/2" = 1'-0"



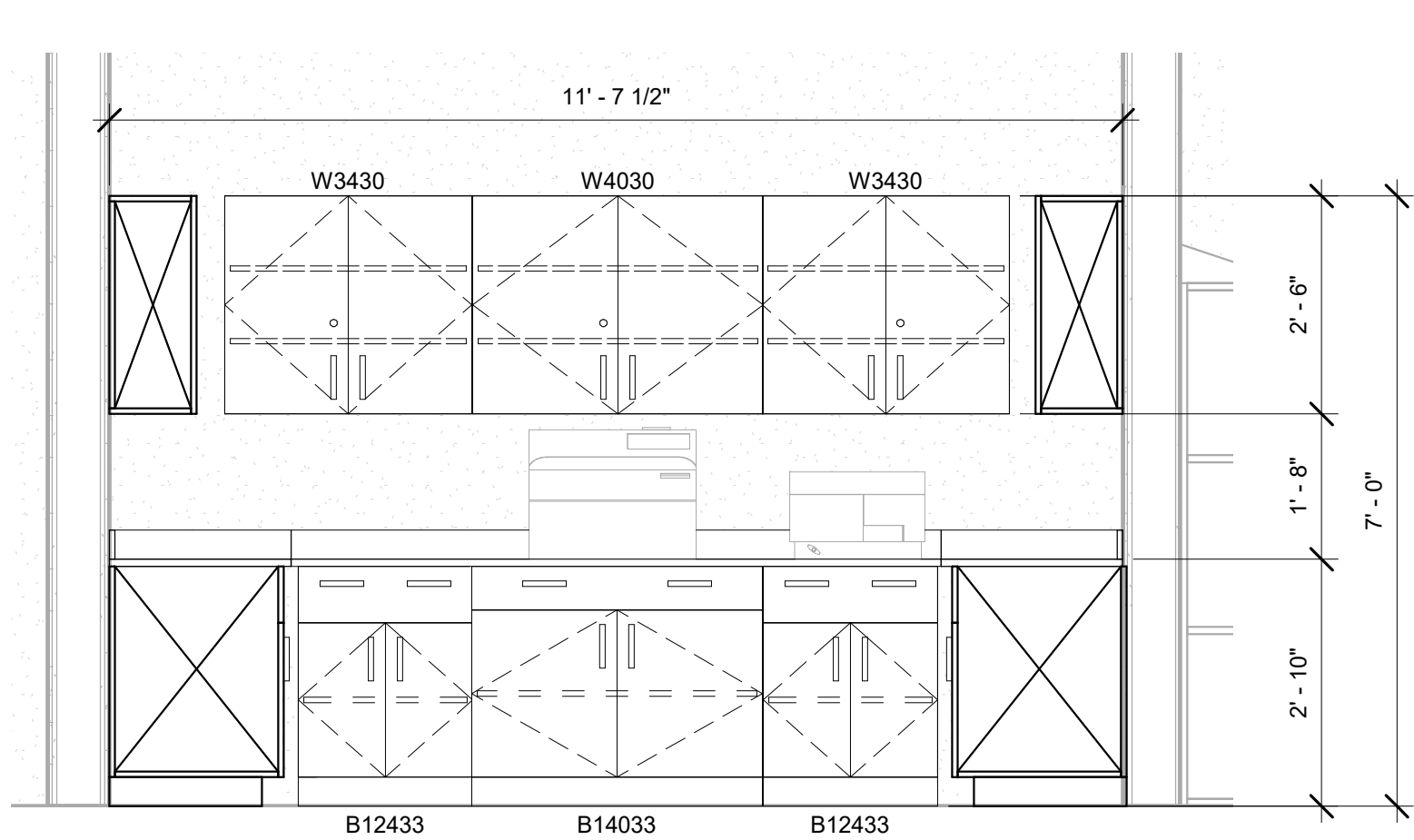
⑱ B351- Model Making- West
1/2" = 1'-0"



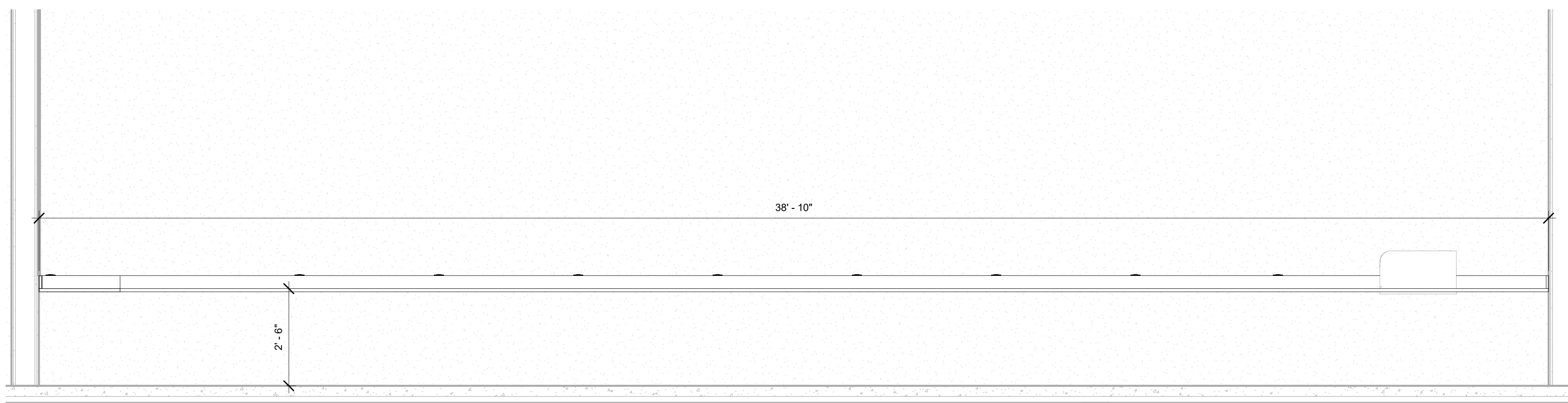
⑬ B431- Computer Lab- East
1/2" = 1'-0"



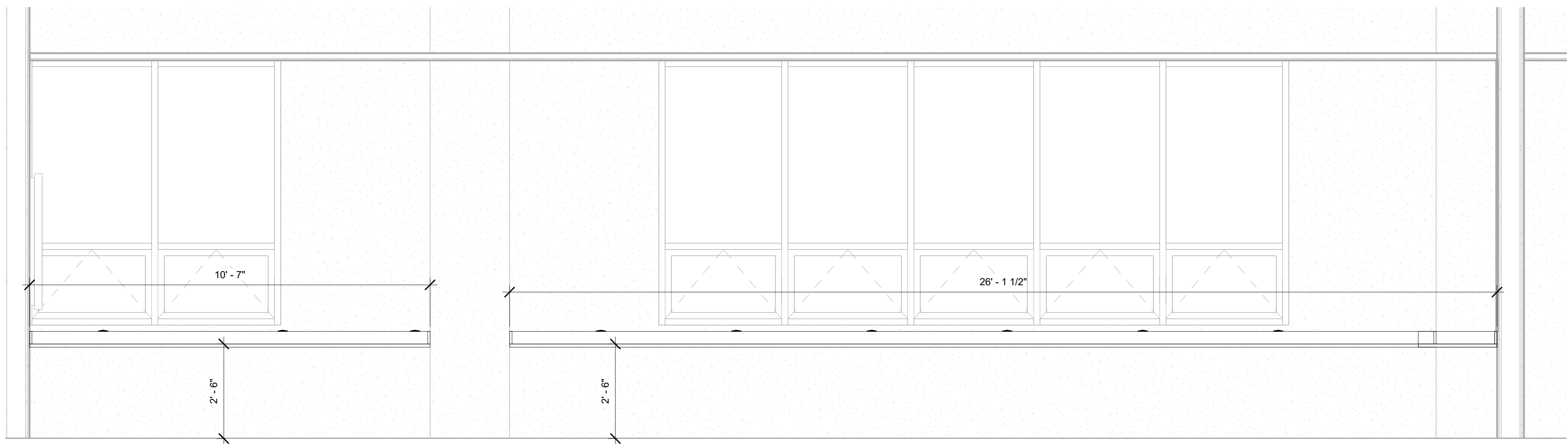
⑪ A427-SCI Lab- North
1/2" = 1'-0"



⑤ B359- Steralization- South
1/2" = 1'-0"



⑮ B431- Computer Lab- South
1/2" = 1'-0"



⑭ B431- Computer Lab- North
1/2" = 1'-0"

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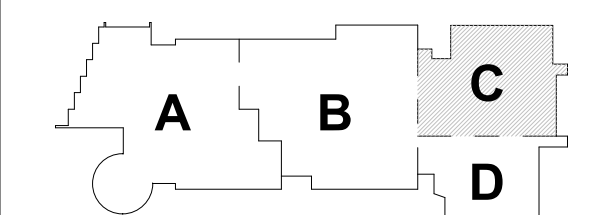
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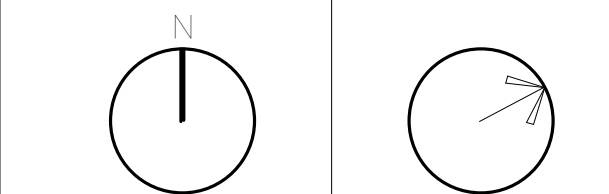
MSBA DESIGN
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SUBMISSION

08/04/2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**FF&E/CASEWORK
LOWER LEVEL
AREA C**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

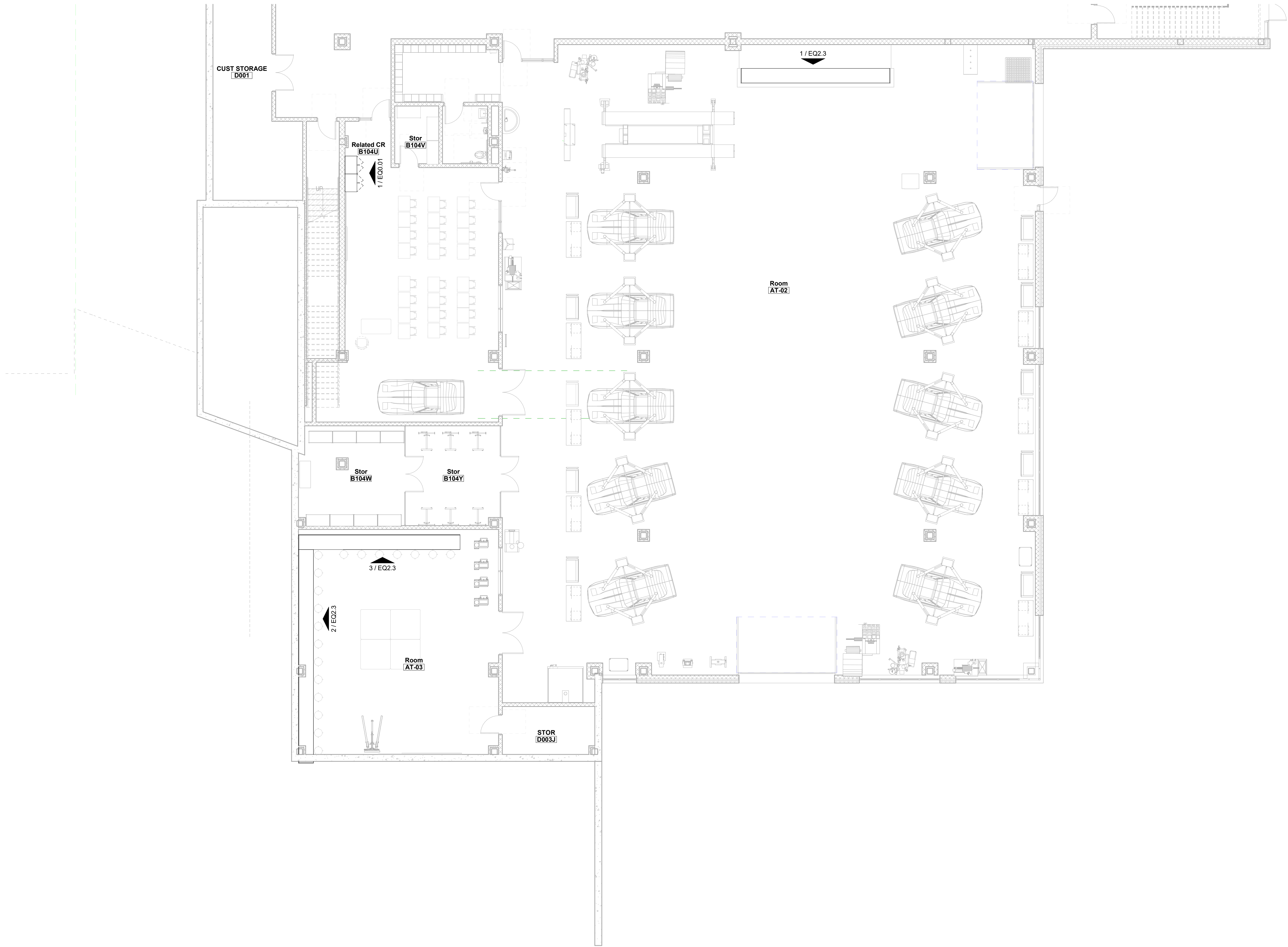
EQ1-1-0C



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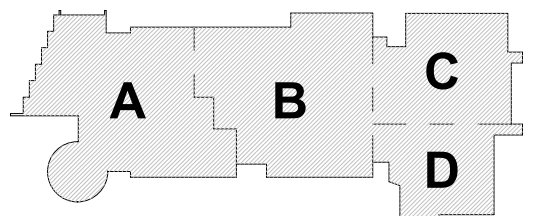
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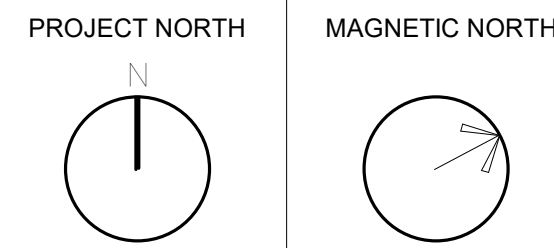
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KEY PLAN



FF&E/CASEWORK
LOWER LEVEL
AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-0D

DRA

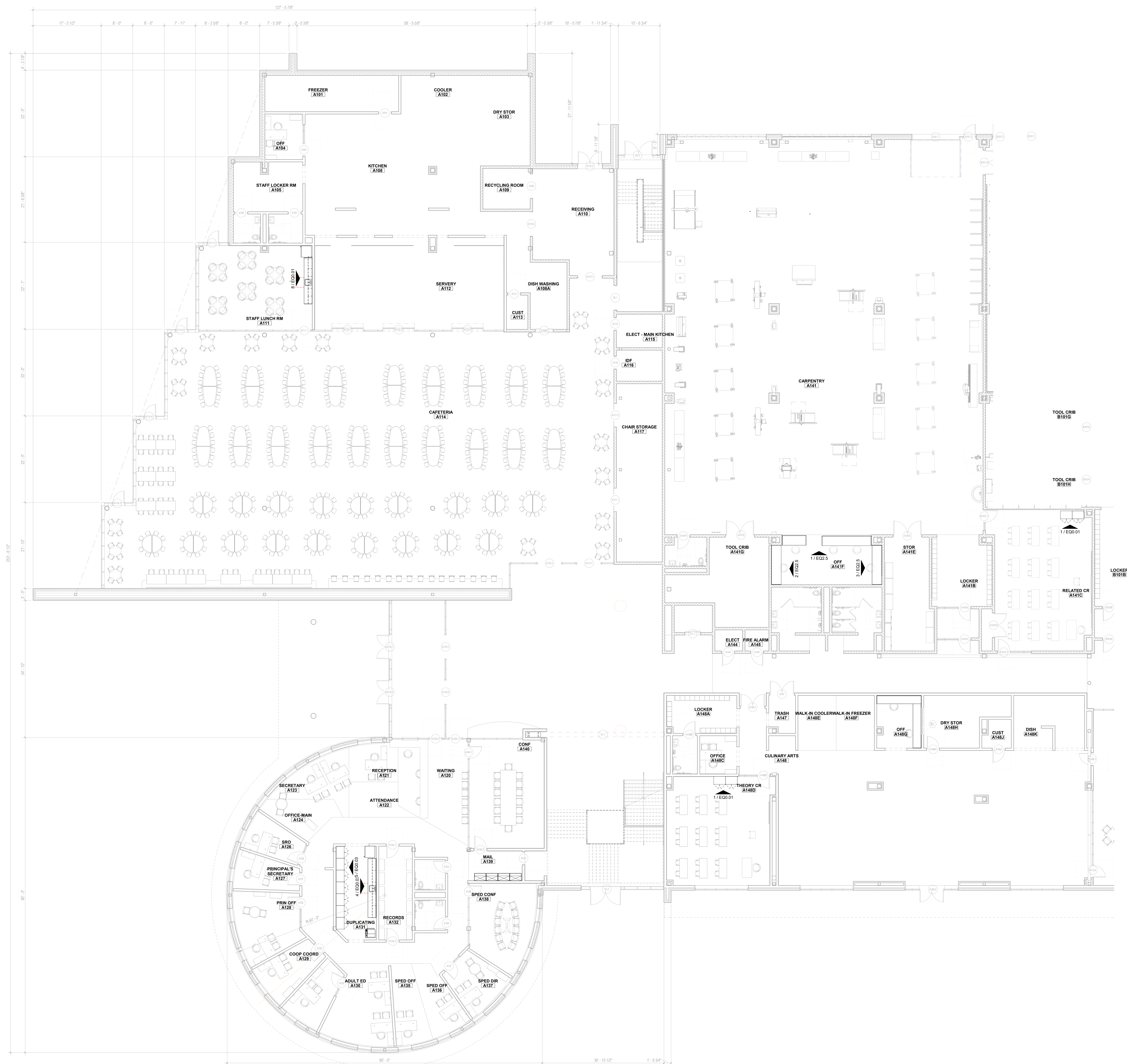
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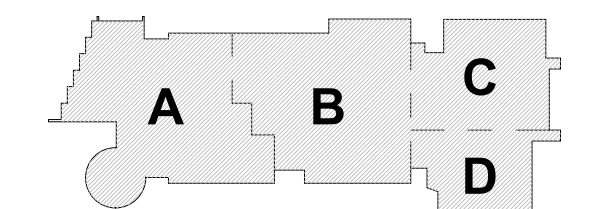
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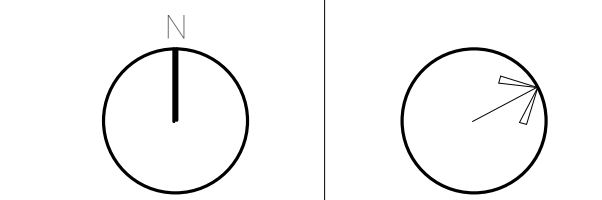
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



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

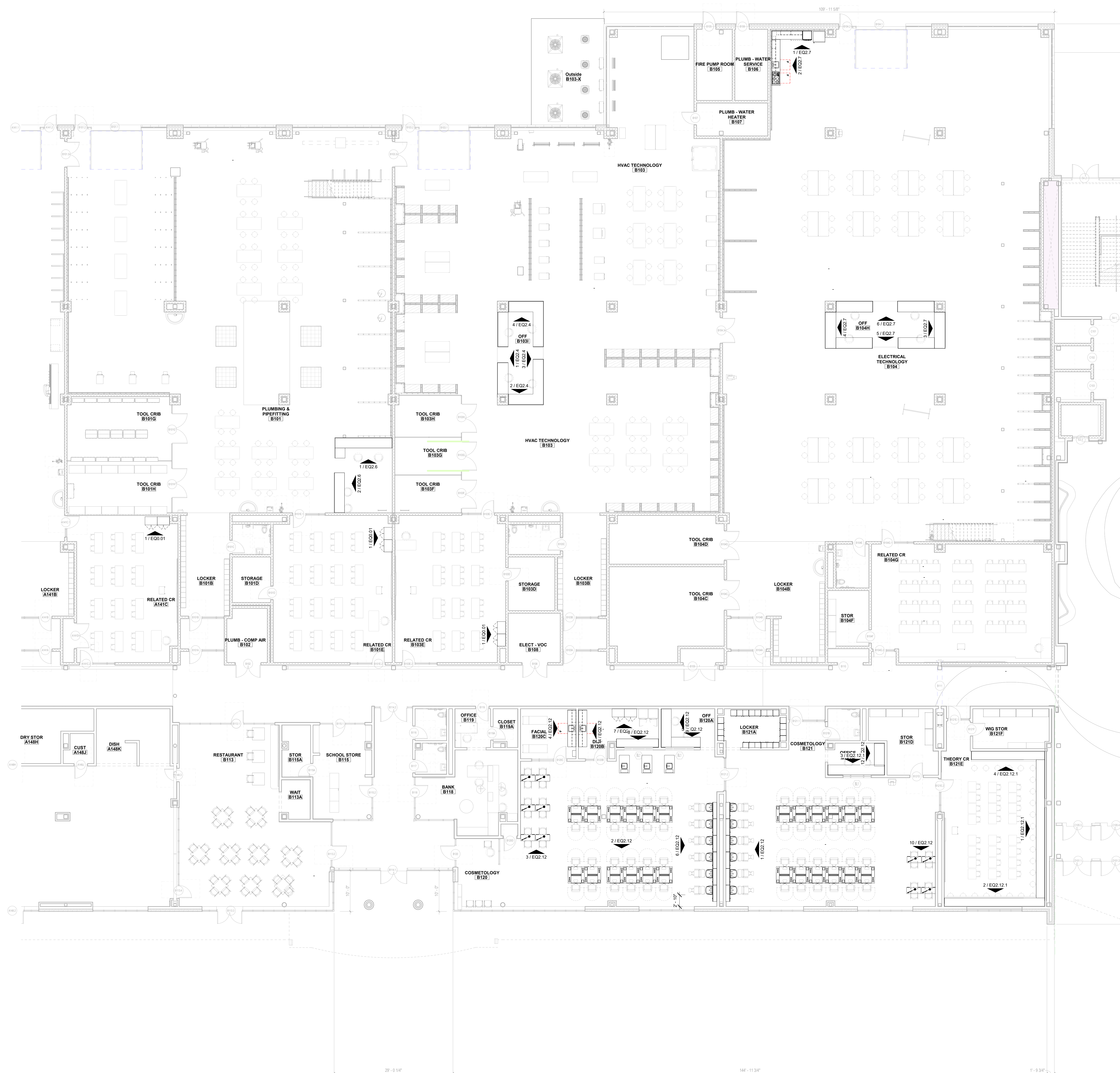
Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-1A



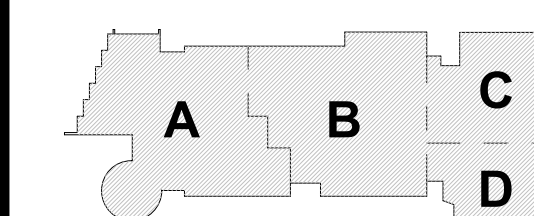
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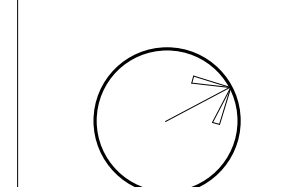
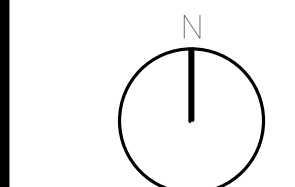
08/04/2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



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

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

Job No. 30302

JOB NO.: 20202

Drawn By: []

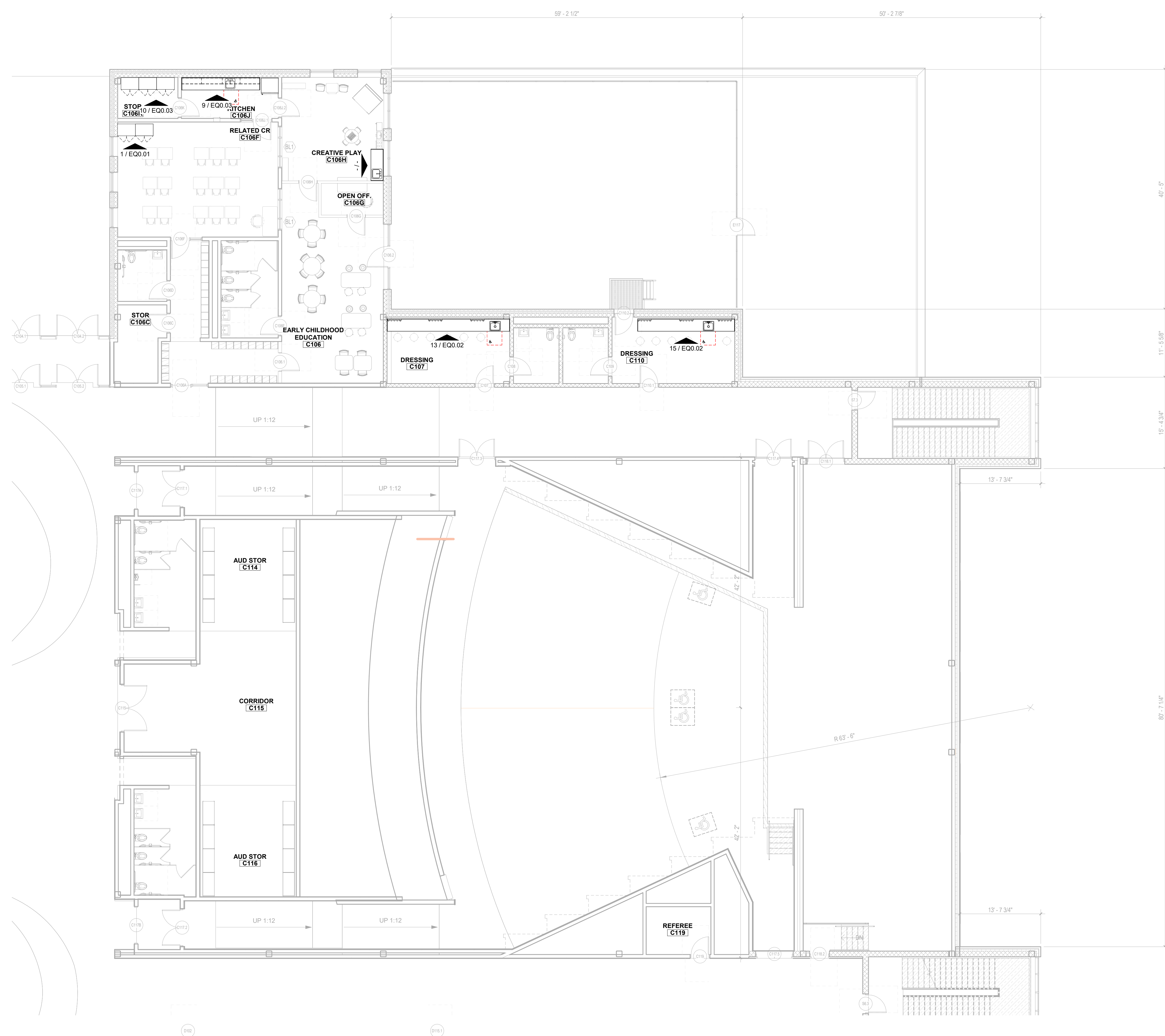
EQ1.1-1B

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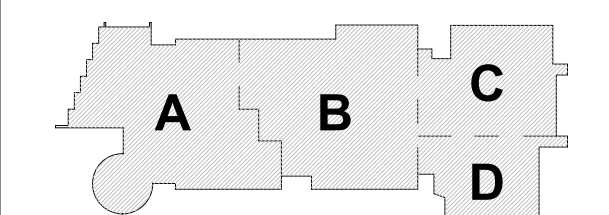


1 Level 1 - Area C
1/8" = 1'-0"

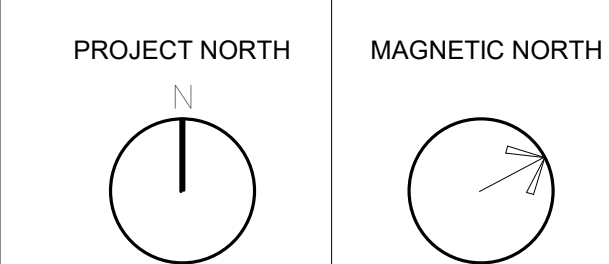
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KEY PLAN



FF&E/CASEWORK
FIRST FLOOR
AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-1C

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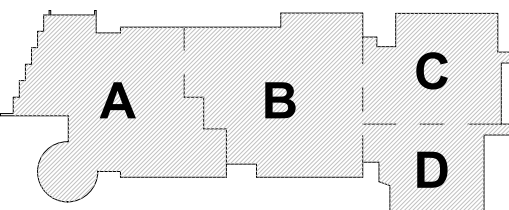
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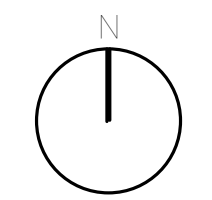
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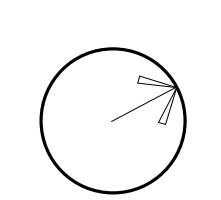


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
FIRST FLOOR
AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-1D

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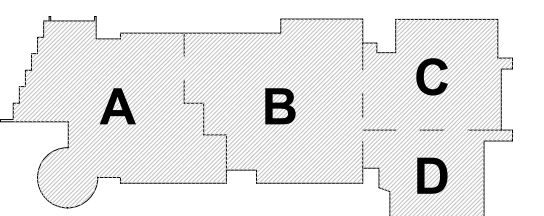
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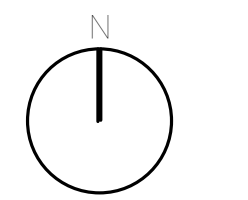
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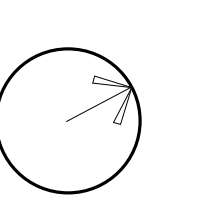


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
SECOND FLOOR
AREA A

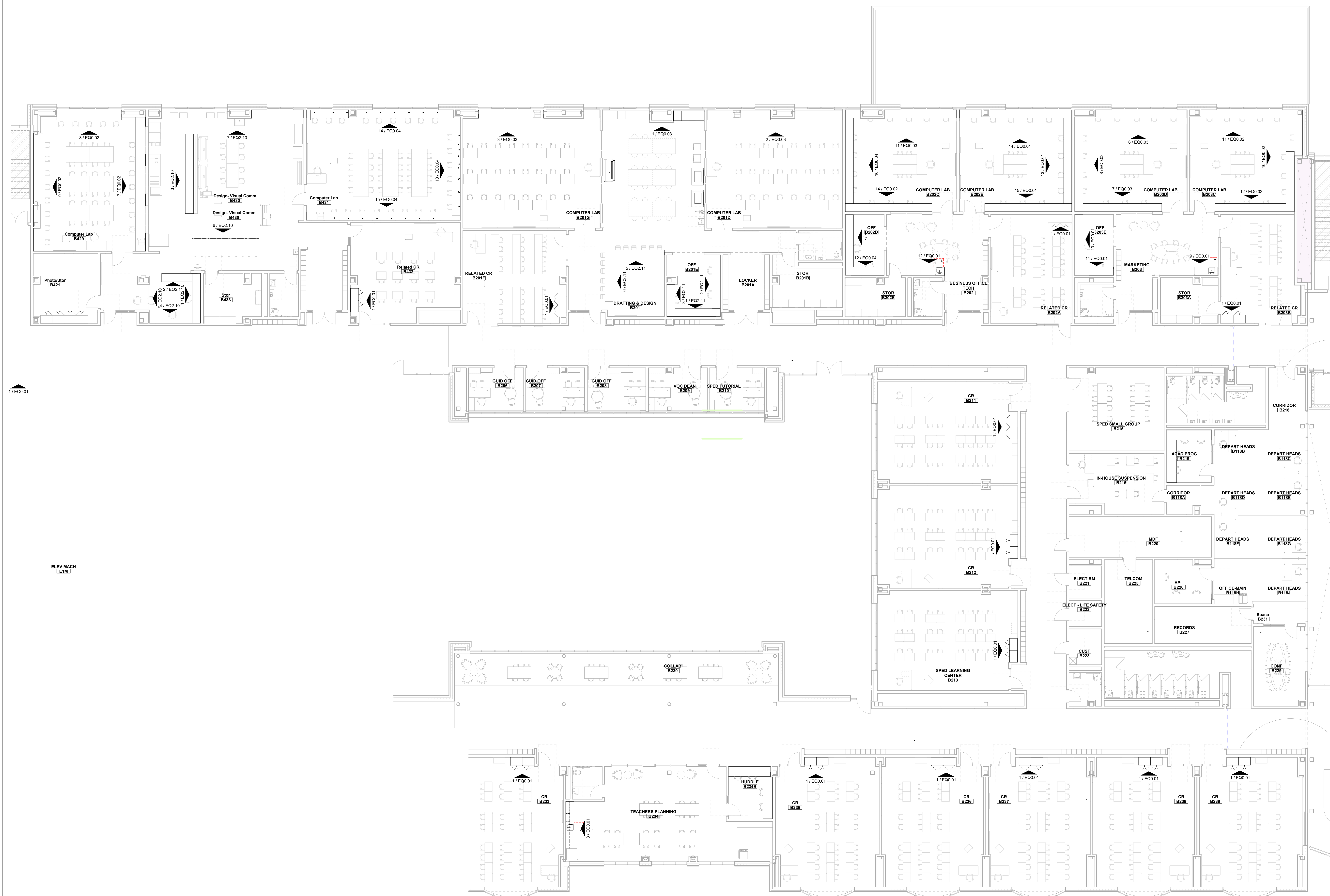
Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-2A



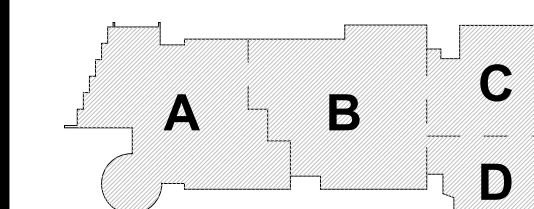
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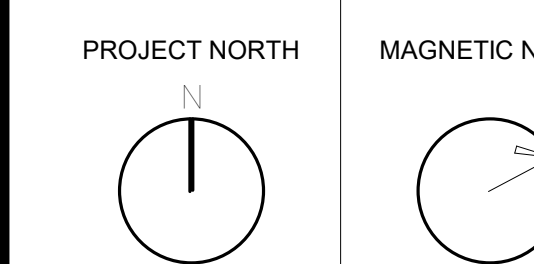


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KEY PLAN



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

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DR
Date: 08/04/2022

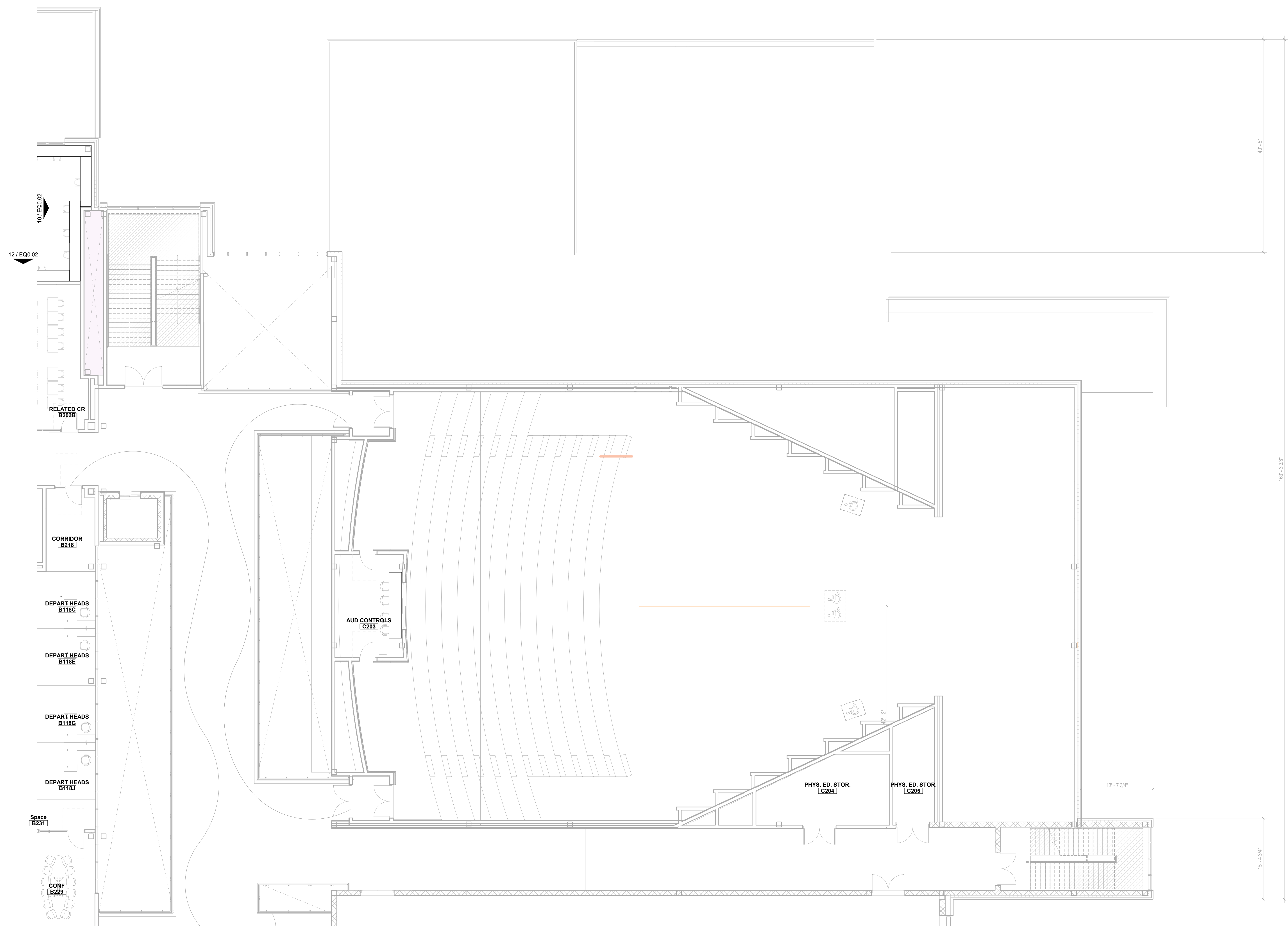
EQ1.1-2B

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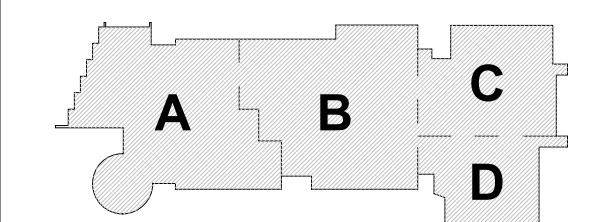
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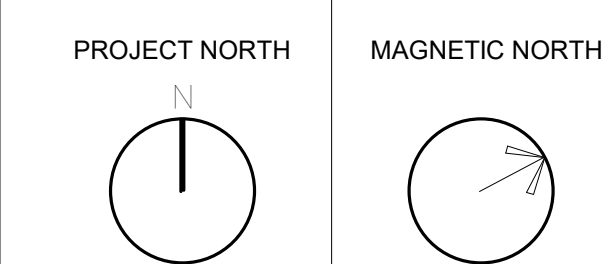
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KEY PLAN



FF&E/CASEWORK
SECOND FLOOR
AREA C

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

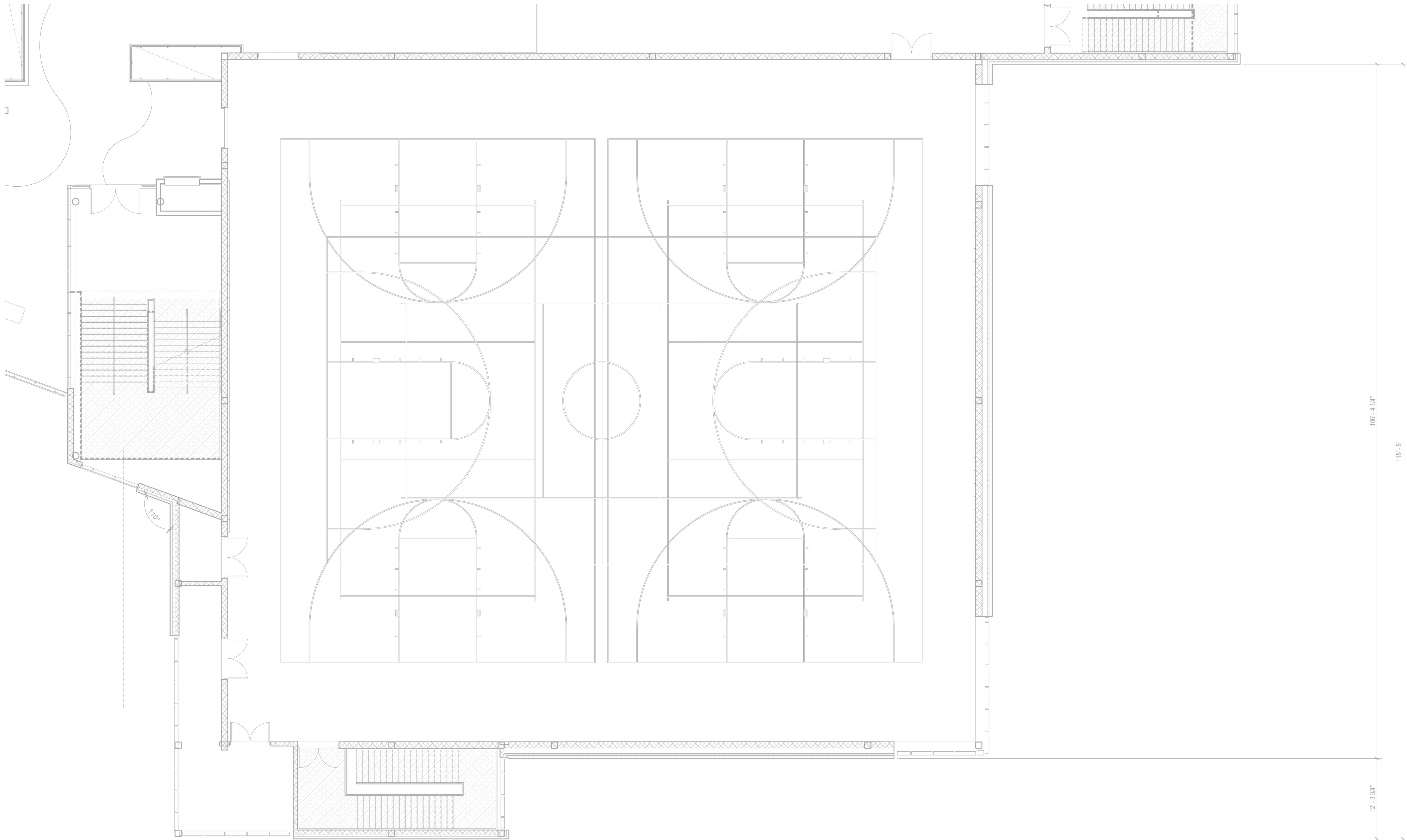
EQ1.1-2C



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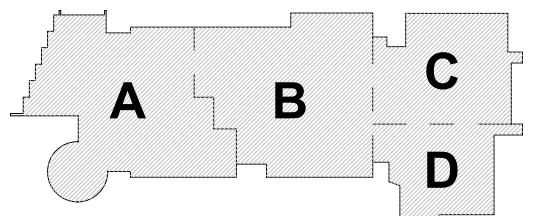


① Level 2 - Area D
1/8" = 1'-0"

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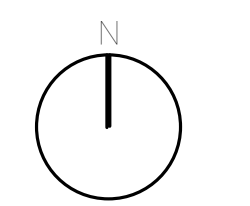
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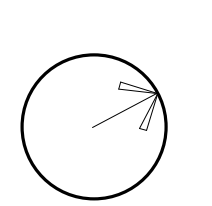


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
SECOND FLOOR
AREA D

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-2D

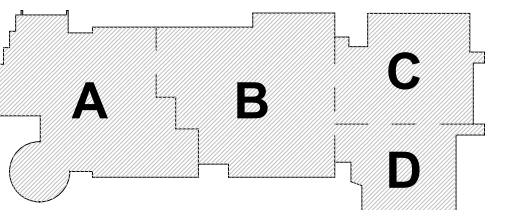




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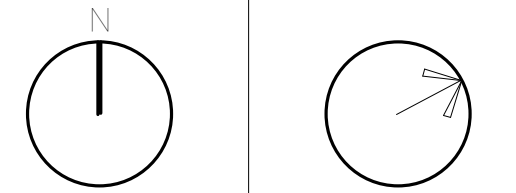
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



FF&E/CASEWORK
THIRD FLOOR
AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-3B

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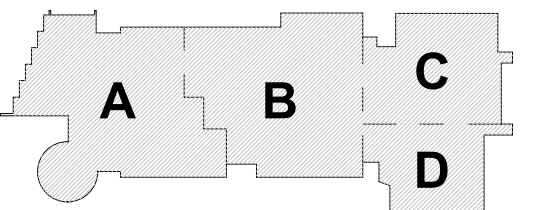


1 Level 4 - Area A
1/8" = 1'-0"

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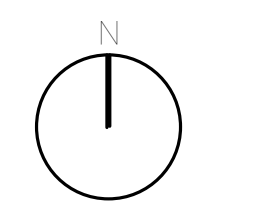
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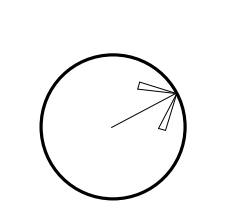


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



FF&E/CASEWORK
FOURTH FLOOR
AREA A

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ1.1-4A

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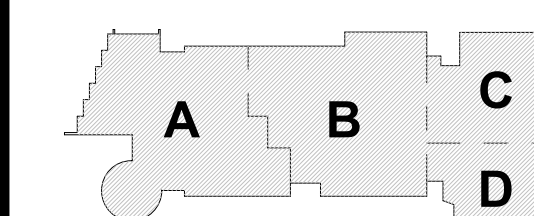
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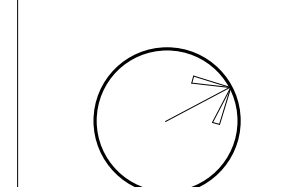
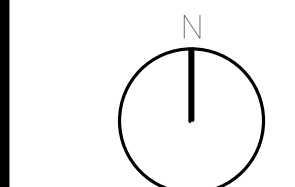
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



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

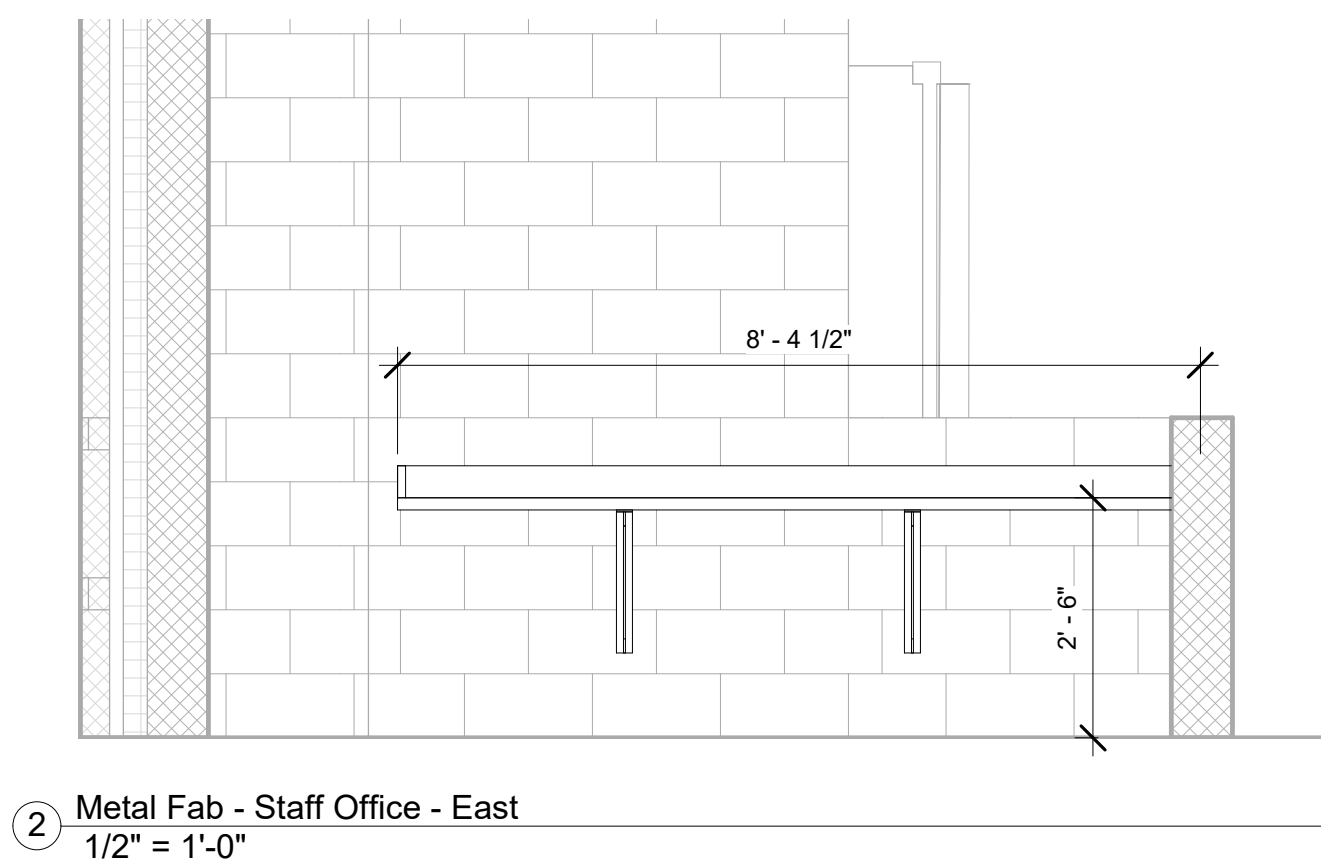
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Job No.: 20202

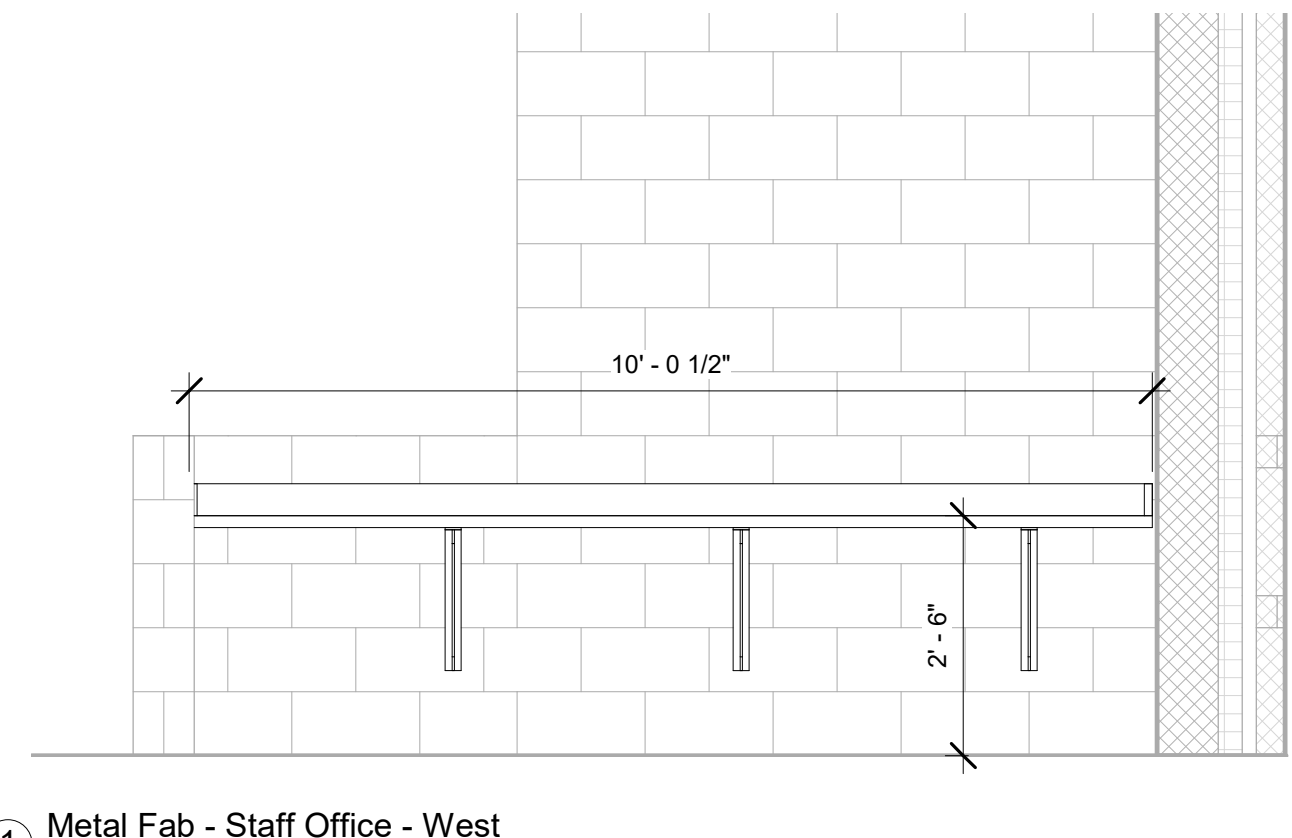
Drawn By: DR

EQ1.1-4B

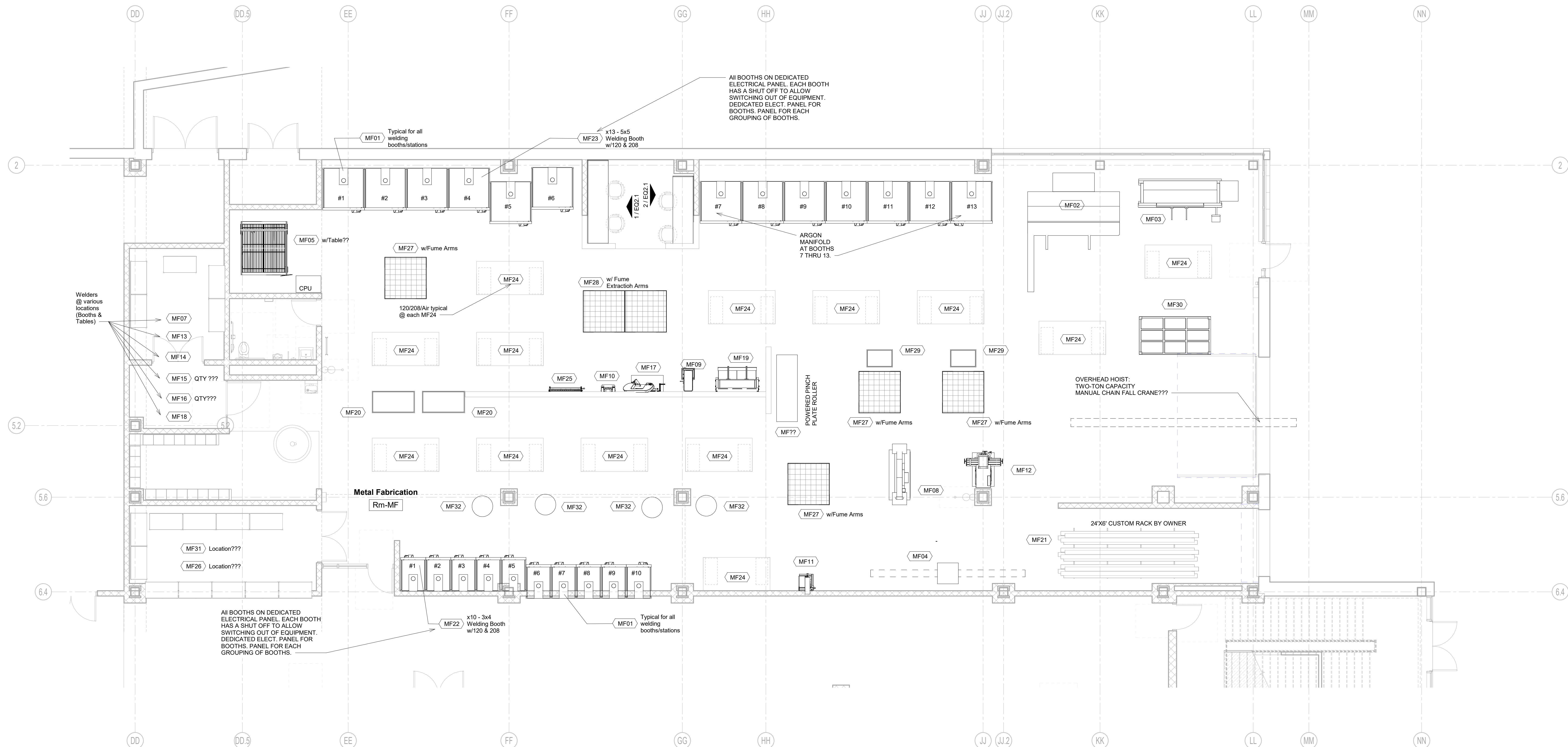
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2 Metal Fab - Staff Office - East
1/2" = 1'-0"



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



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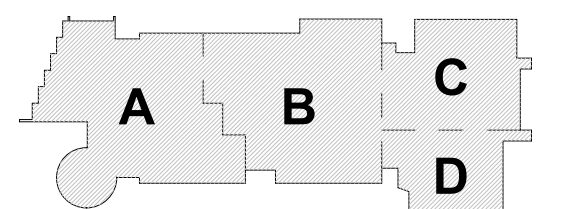
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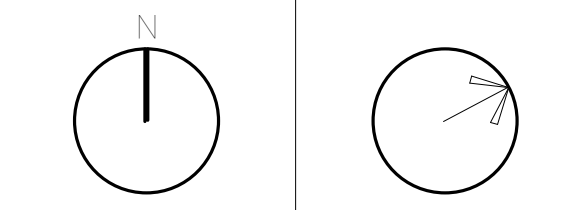
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH

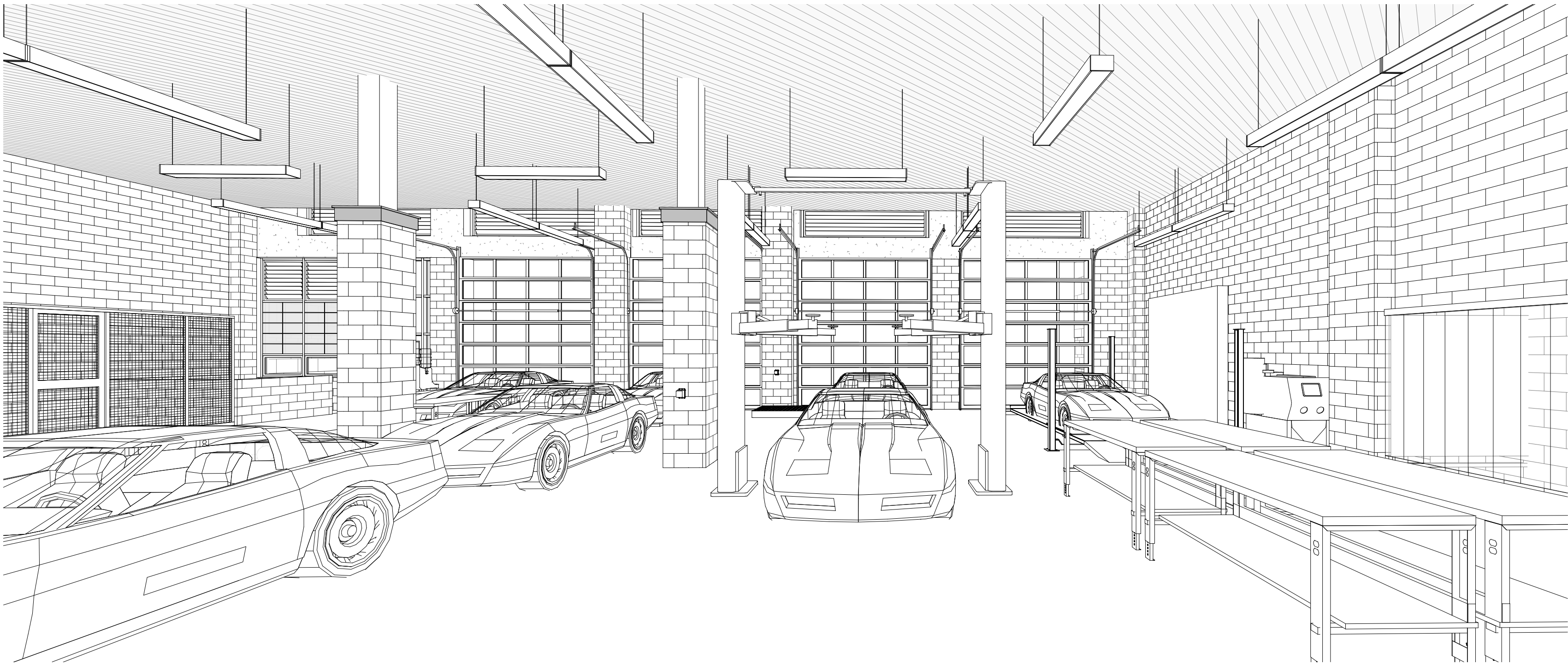


METAL
FABRICATION
Casework &
Equipment

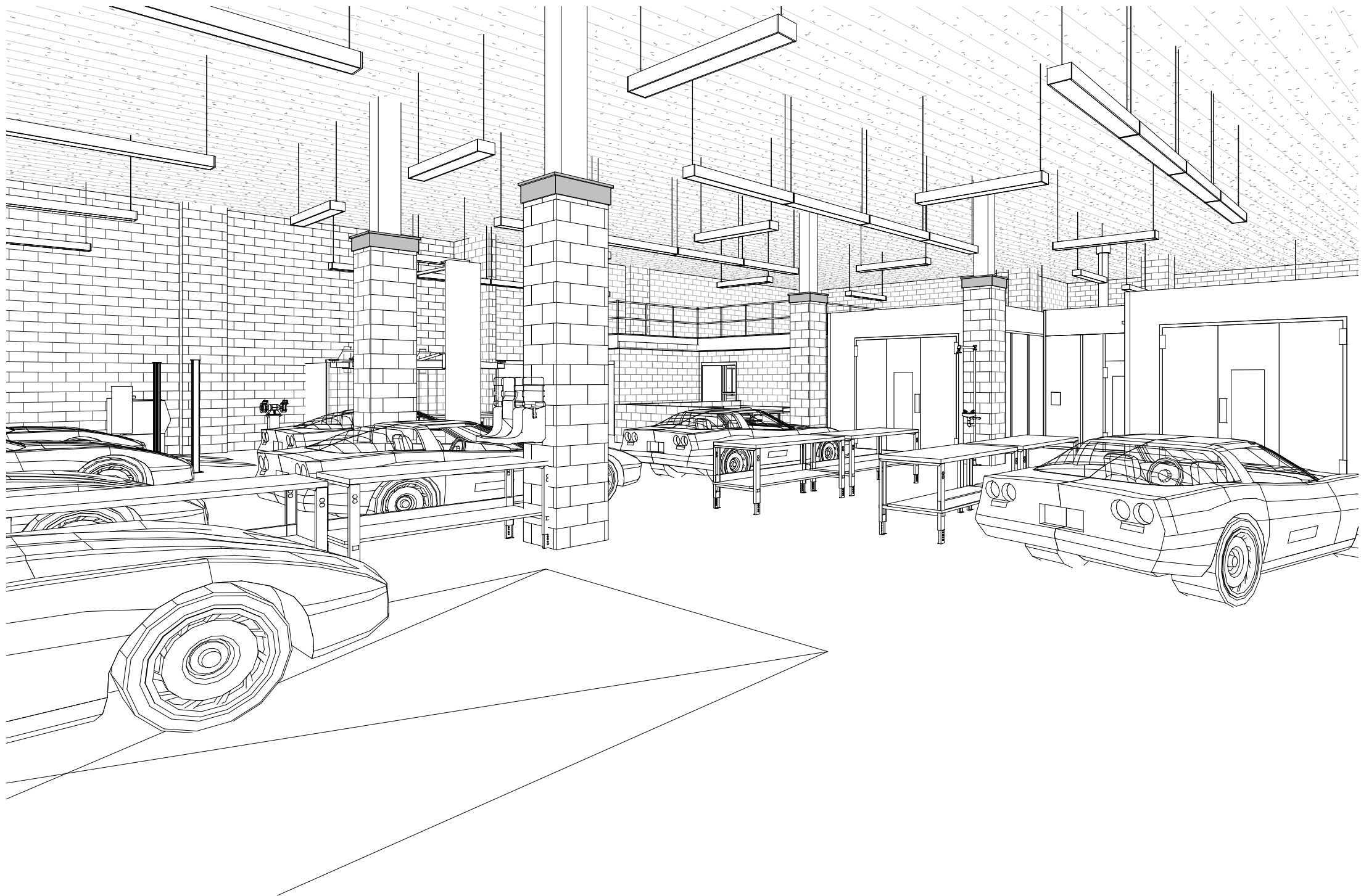
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Date: 08/04/2022

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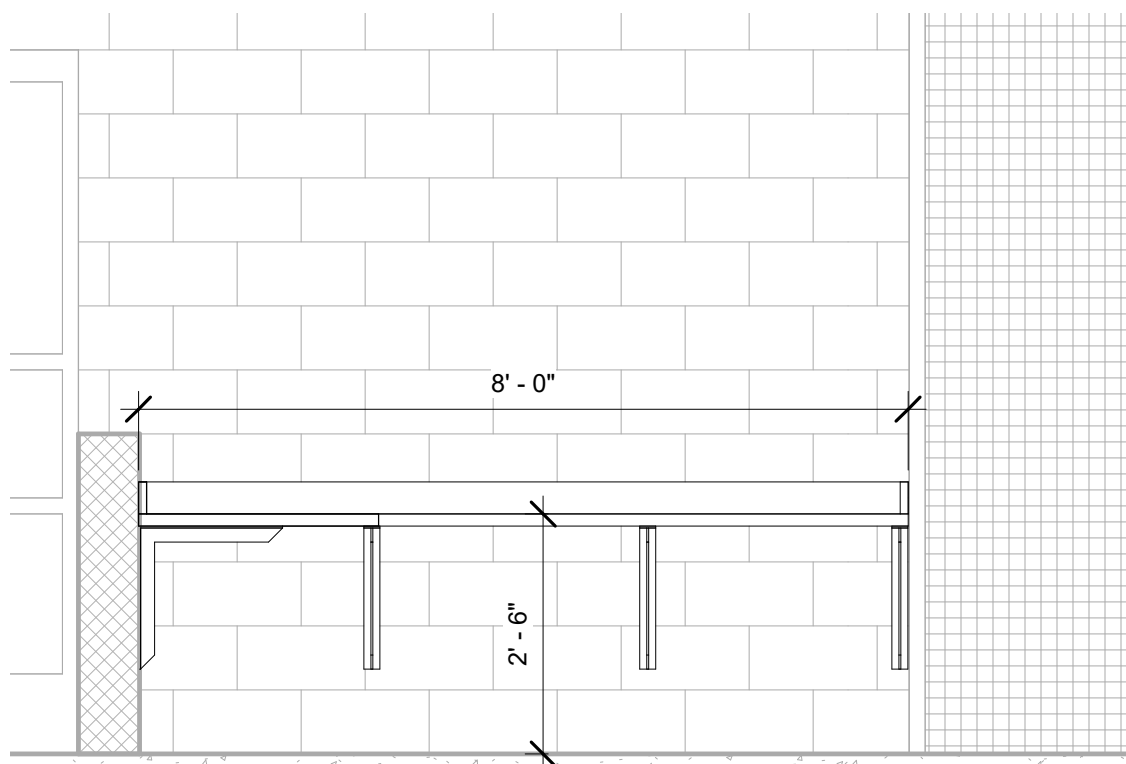
AUTO COLLISION - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, install by	Furnish and Install by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
AC01	2	X			Full Down Draft Paint Booth			-							X		NEW
AC02	1	X			Paint Mixing Booth			-							X		NEW
AC03	1	X			Powder Coating Booth			-							X		NEW
AC04	1	X			Powder Coating Oven			-							X		NEW
AC05	1		X		Frame Straightener	Car-O-Liner Benchrack (In Ground)		-	-		120V/...	1	145psi		-		In Ground? NEW
AC06	1		X		Two Post Lift	ROTARY #SPOA16 CARGO		-	-	2	208	-	-	-	-		NEW
AC07	2		X		Exhaust Extraction Arm (Welding)	GMI GFA-500 -84-1300PWR Flex Arm		-	-	-	208	3	-	-	-	765 CFM	FOR USE WITH AC09
AC08	1		X		Sand Blaster	Zero Blast Cabinet - BNP 260 - Wetblast Cabinet	53x56x82	-	-	1/3	115	1	21.47 cfm...	1/2"	-		Confirm Accessories / Model
AC09	1		X		Welding Booths	GMI GB-74-S-CO - STARTER, GMI GB-74-A-CO - A...		-	-	-	-	-	-	-	-		NEW
AC10	1		X		Grinder w/Pedestal	DEWALT DW758/JET WIL577172		-	-	3/4	120	-	-	-	-		Existing
AC11	1		X		Manual Slip Roller	JET SR-2024 BENCH SLIP ROLLER		-	-	-	-	-	-	-	-		On Casters? Existing
AC12	1		X		Sheet Metal Hand Brake	EASTWOOD 48: BOX AND PAN BRAKE #20666		-	-	-	-	-	-	-	-		On Casters? Existing
AC13	1		X		Squaring Shear	KLUTCH DELUXE FOOT SHEET METAL SHEAR...		-	-	-	-	-	-	-	-		On Casters? Existing
AC14	1		X		Vinyl Printer			-	5	-	120	-	-	-	X		NEW
AC15	1		X		Rolling Storage Rack			-	-	-	-	-	-	-	-		Existing
AC16	1		X		Scissor lift			-	-	-	-	3	REQ. AIR	-	-		Existing
AC17	1		X		Spot Welder	Prospot		-	-	-	208	3	-	-	-		SPS Has Tag
AC18	1		X		Nitrogen Plastic Welder	Polyvance		-	-	-	110	-	130psi max	-	-		Existing
AC19	1				Spot Welder	Lincoln Electric		-	20	-	208	1	-	-	-		Existing
AC20	3		X		Mig Welder	Miller		-	20	-	208	1	-	-	-		Existing
AC21	3		X		Tool Carts	Sunex		-	-	-	-	-	-	-	-		Existing
AC22	1		X		Spring Strut Compressor	Branick		-	-	-	-	-	-	-	-		Existing
AC23	1		X		Floor Scrubber			-	-	-	-	-	-	-	-		Existing
AC24	14		X		Workbench			-	-	-	-	-	-	-	-		Existing
AC25	10		X		HD Workstands			-	-	-	-	-	-	-	-		Existing
AC26	3		X		Car Jack			-	-	-	-	-	-	-	-		Existing
AC27	3		X		Portable Welding Curtians			-	-	-	-	-	-	-	-		Existing
AC28	6		X		Powder Coating Stands			-	-	-	-	-	-	-	-		Existing
AC29	2		X		Door Stands			-	-	-	-	-	-	-	-		Existing
AC30	1		X		Scrap Metal Bin			-	-	-	-	-	-	-	-		Existing
AC31	1		X		Rolling Tool Chest	Husky		-	-	-	-	-	-	-	-		Existing



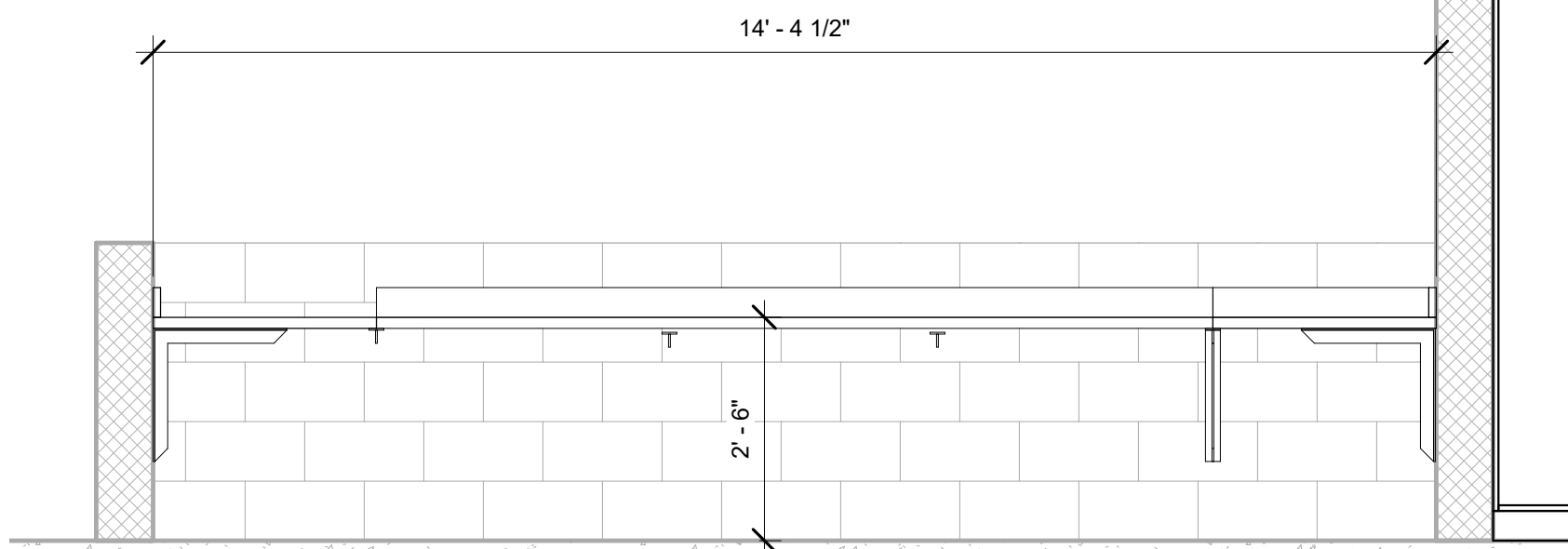
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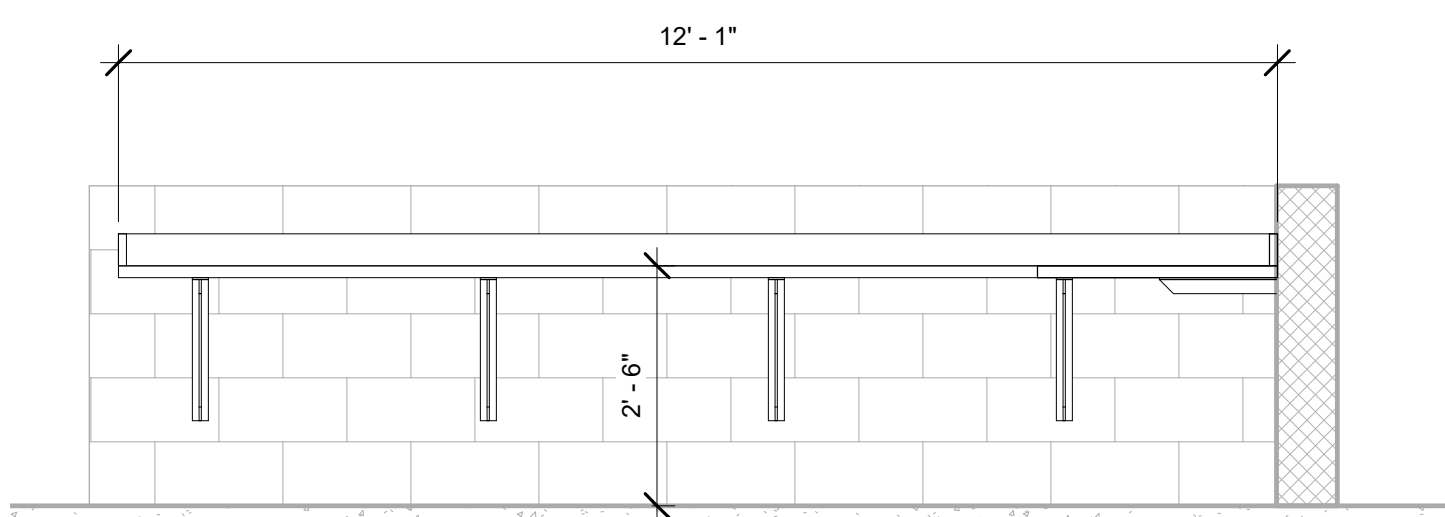
② 3 - CT



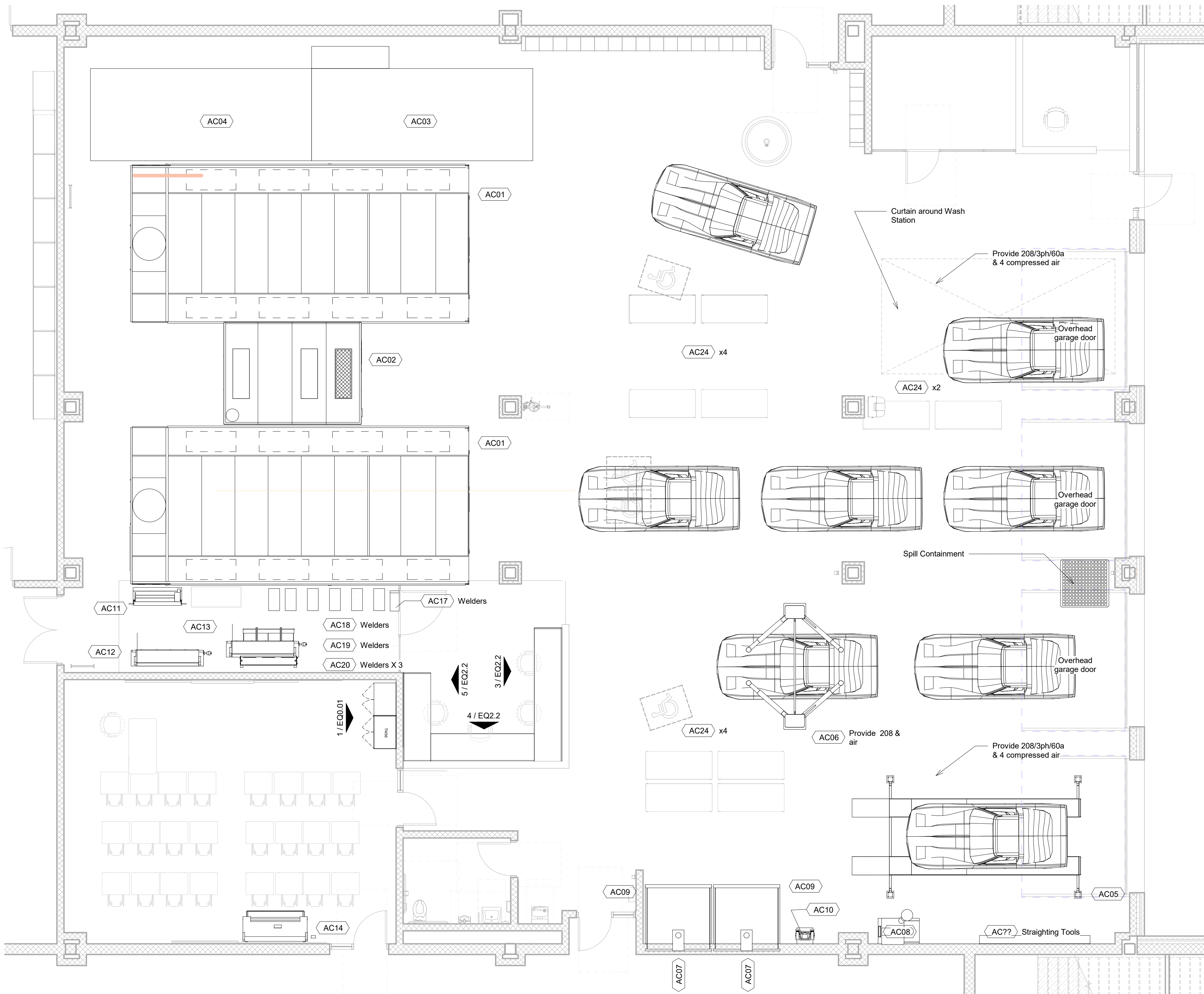
⑤ Auto Collision Staff Office - West
1/2" = 1'-0"



④ Auto Collision Staff Office - South
1/2" = 1'-0"



③ Auto Collision Staff Office - East
1/2" = 1'-0"



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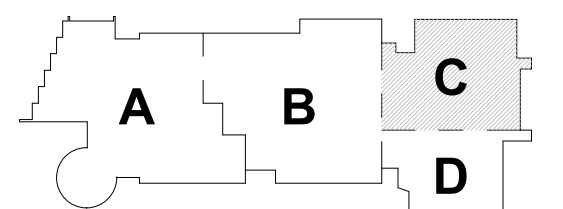
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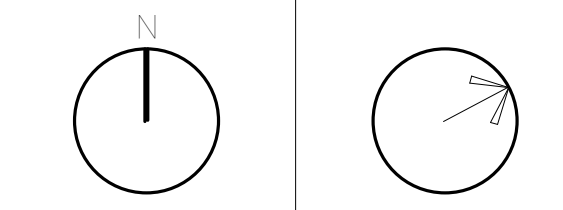
MSBA DESIGN
DEVELOPMENT
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08/04/2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

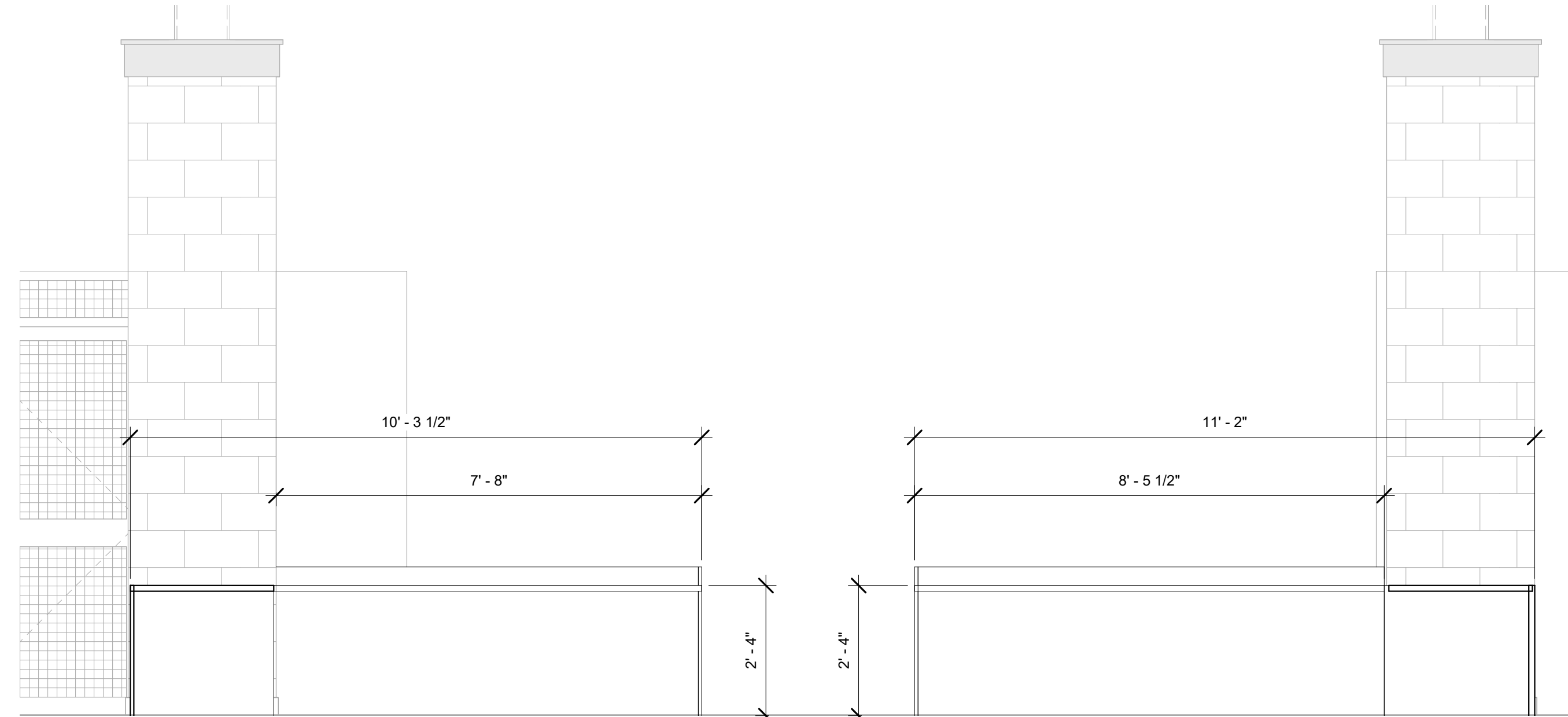


AUTO
COLLISION
Casework &
Equipment

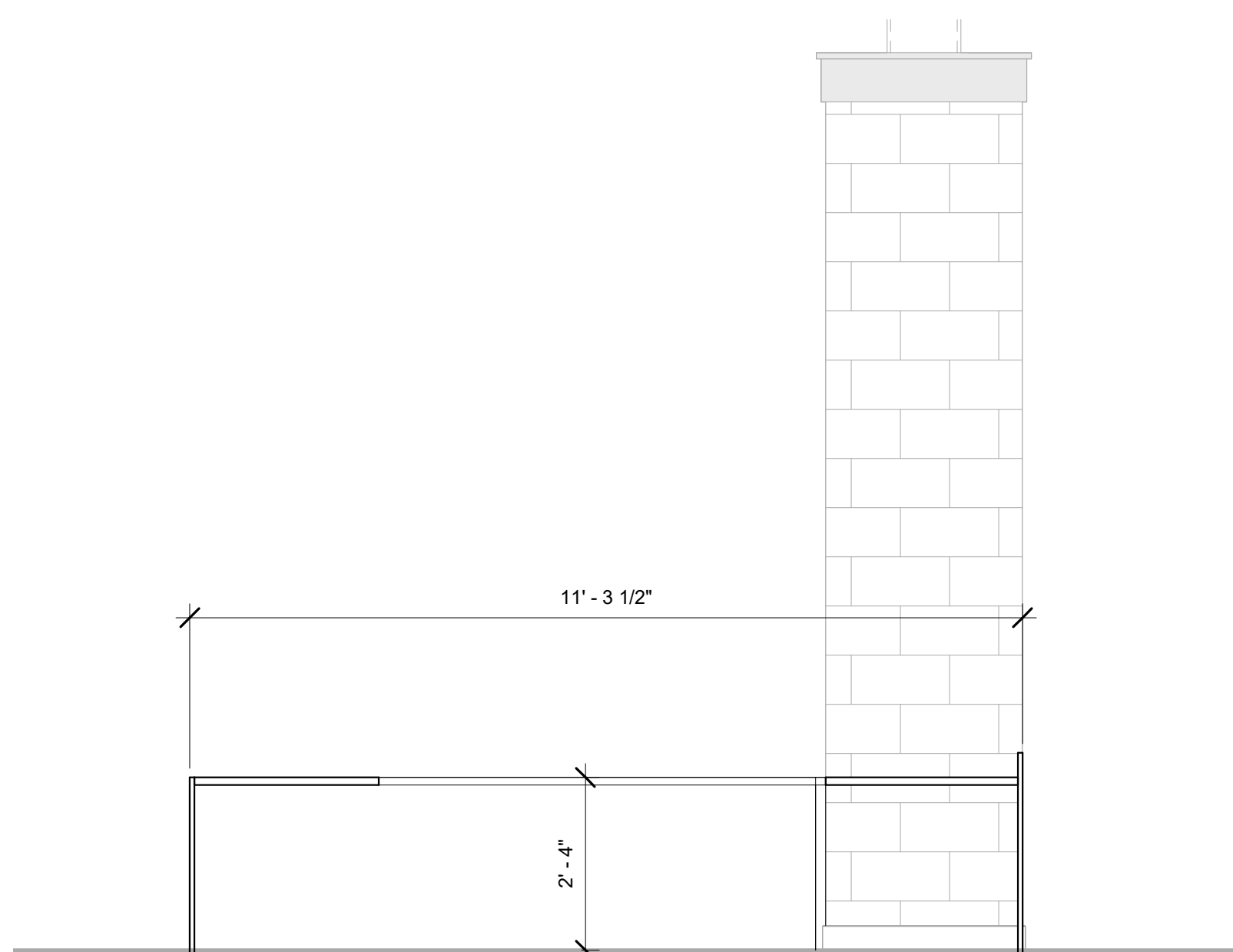
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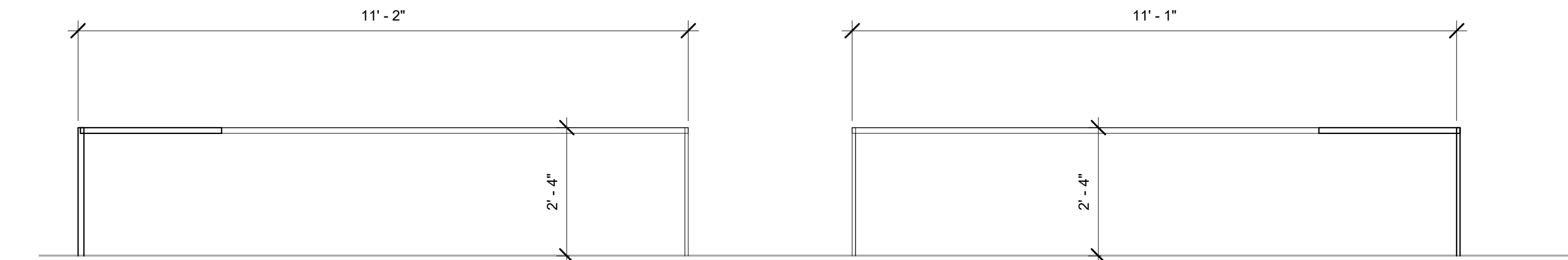
HVAC - SCHEDULE																	
ITEM	QTY	Furnish and install by CMR	Furnish by owner, install by CMR	Furnish and install by Owner	DISCRPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
HV01	24	X			Lowerclass Booths			-	-	-	120/2...	-	-	-	-	Work, Fault Light, Disconnect...	See SP5 Notes
HV02	5	X			90 % Boilers			-	-	-	120	1	Vent	Water/Drain	-		See SP5 Notes
HV03	1	X			Walk In Freezer			-	10	1	208	1	-	Drain	-		Foodservice Contractor
HV04	2	X			Ice Machines			-	15	-	120	1	-	Water/Drain	-		Foodservice Contractor
HV05	2	X			Oil Furnaces			-	15	-	115	1	Vent	-	-		HVAC Contractor
HV06	5	X			80% Furnaces			-	15	-	115	1	Vent	-	-		HVAC Contractor
HV07	3	X			Mini Split units			-	15	-	208	1	-	-	-		HVAC Contractor
HV08	3	X			1.5 Ton Condensers			-	15	-	208	1	-	-	-		HVAC Contractor
HV09	4	X			AC / Heating Units			-	15	-	208	1	-	-	-		HVAC Contractor
HV10	1	X			On Demand HW Unit			-	-	-	120	-	Vent	Water	-		HVAC Contractor
HV11	24	X			Upperclass Booths			-	-	-	120/2...	-	-	-	-	Work, Fault Light, Disconnect...	See SP5 Notes - 3 @ 3...
HV12	1	X			VRF Condenser			-	-	15	208	1	-	-	-		HVAC Contractor
HV13	#		X		Portable Fume Collection			-	-	-	120	-	-	-	-		Via Grant - Qty?
HV14	1		X		Small Plasma Table	Laguna Plasma Level 1	91x81x65	-	30	-	220	3	100psi...	-	X		CONFIRM
HV15	1		X		Lock Former Pittsburgh Machine			-	-	-	220	1	-	-	-		EXISTING
HV16	1		X		Manual Shear			-	-	-	-	-	-	-	-		EXISTING
HV17	1		X		Manual Finger Break			-	-	-	-	-	-	-	-		EXISTING
HV18	1		X		Manual Pinch Roller			-	-	-	-	-	-	-	-		EXISTING
HV19	1		X		Drill Press			-	-	-	115	1	-	-	-		EXISTING/CONFIRM
HV20	1		X		Hydraulic Shear			-	-	3	230	3	-	-	-		EXISTING/CONFIRM
HV21	1		X		Pipe Threading Machine			-	-	-	115	1	-	-	-		
HV22	1		X		Outdoor Gas Storage Cage			-	-	-	-	-	-	-	-		
HV23	1		X		Portable Spot Welder			-	-	-	120/2...	-	-	-	-		CONFIRM
HV24	21		X		Tables w/Vise			-	-	-	-	-	-	-	-		
HV25	1		X		Scroll Saw			-	-	-	120	-	-	-	-		



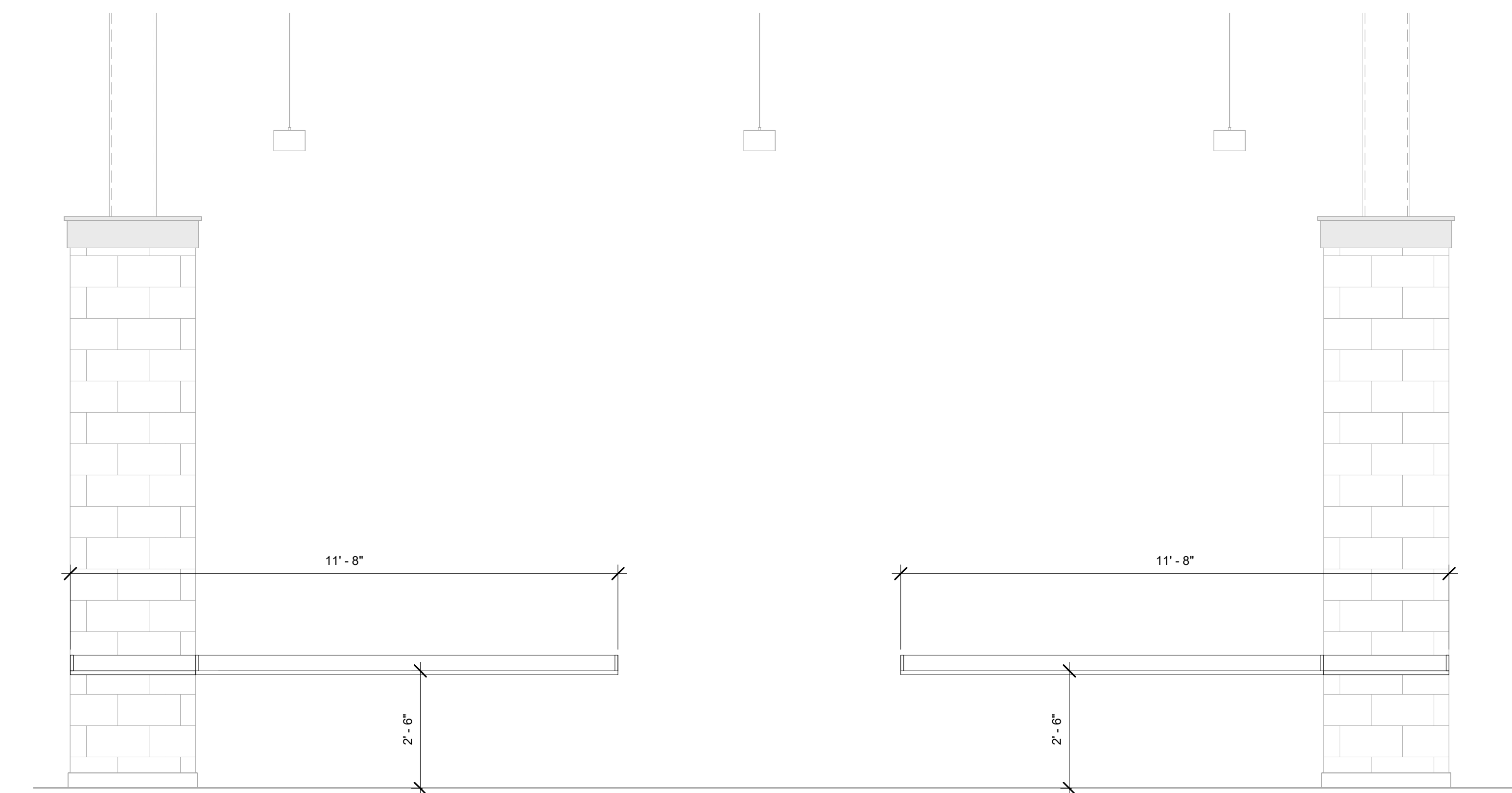
1 B103-Hvac-Office-West
1/2" = 1'-0"



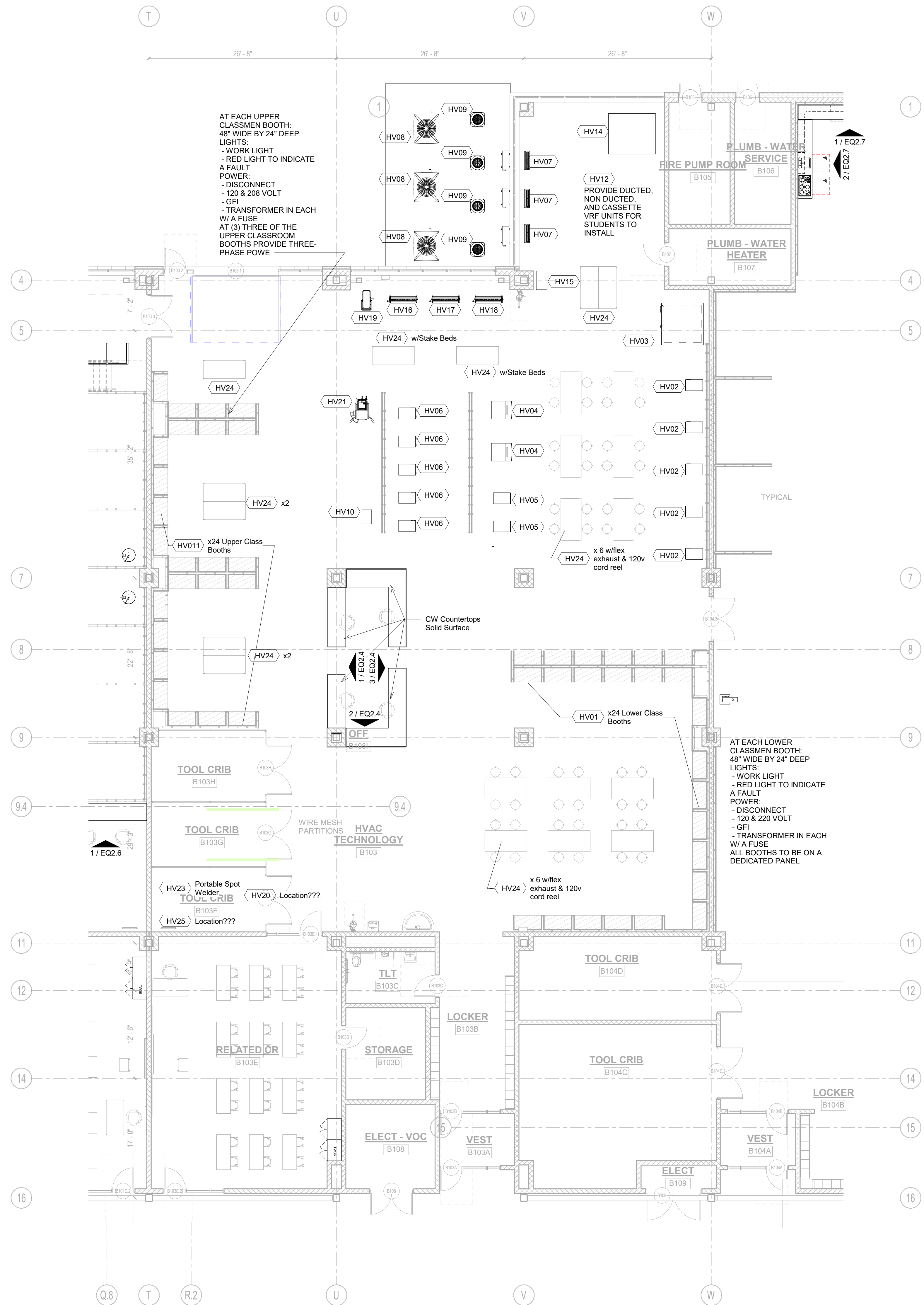
2 B103-Hvac-Office-South
1/2" = 1'-0"



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



4 B103-Hvac-Office-North
1/2" = 1'-0"



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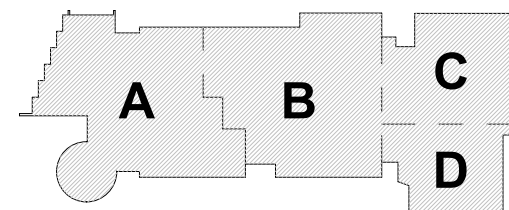
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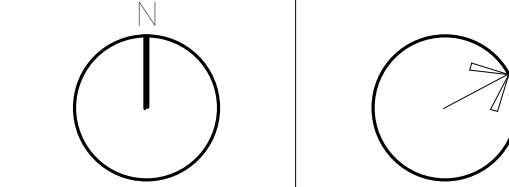
MSBA DESIGN
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



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Scale: As indicated

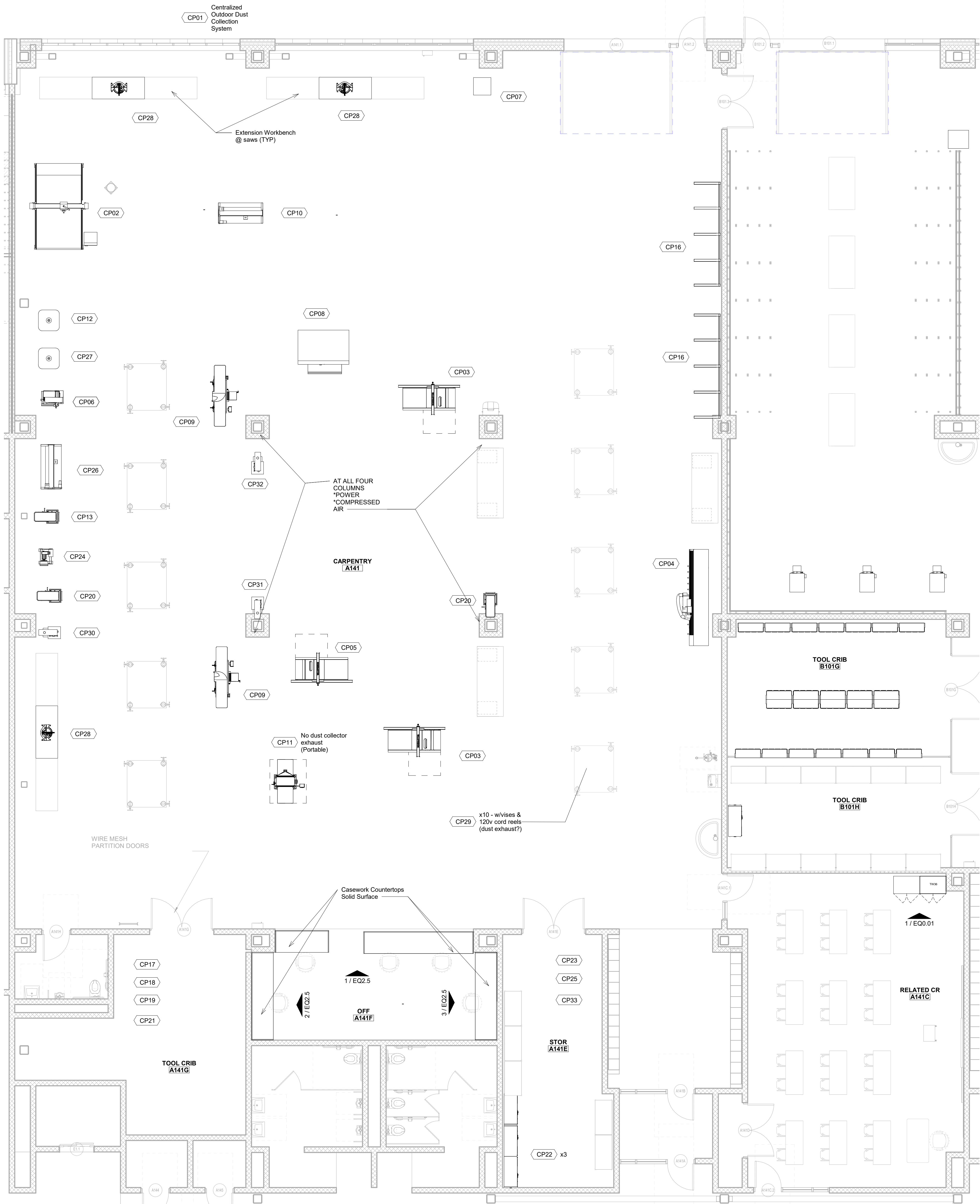
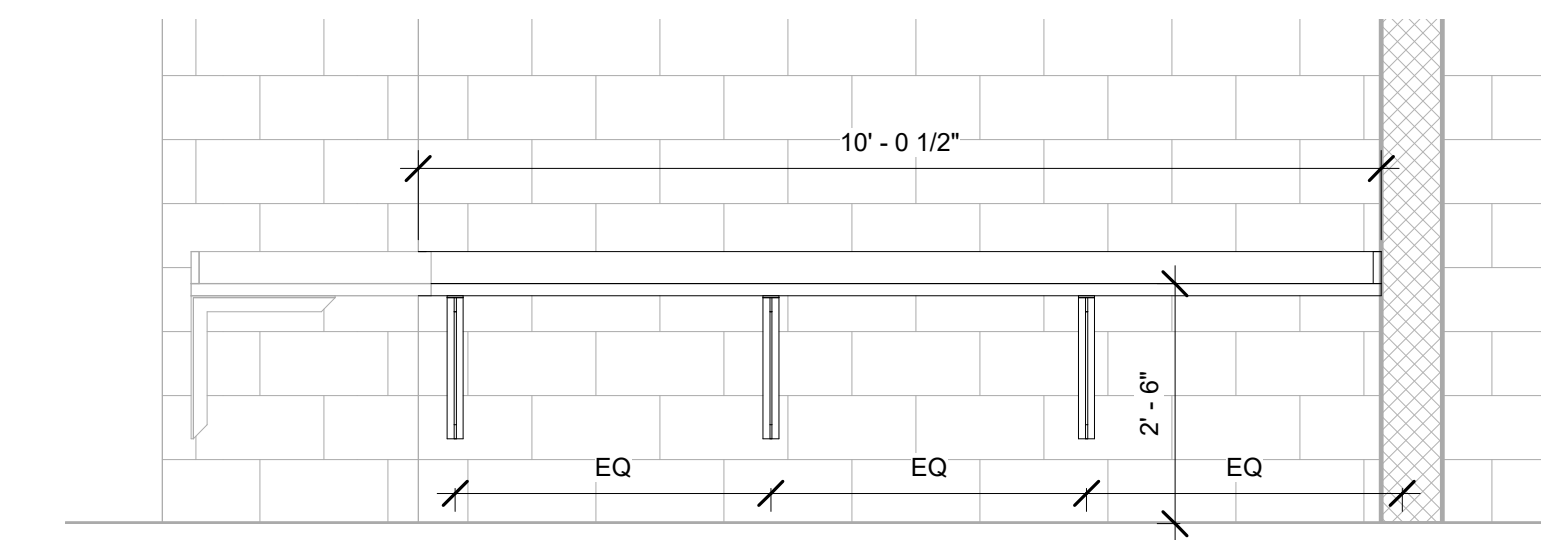
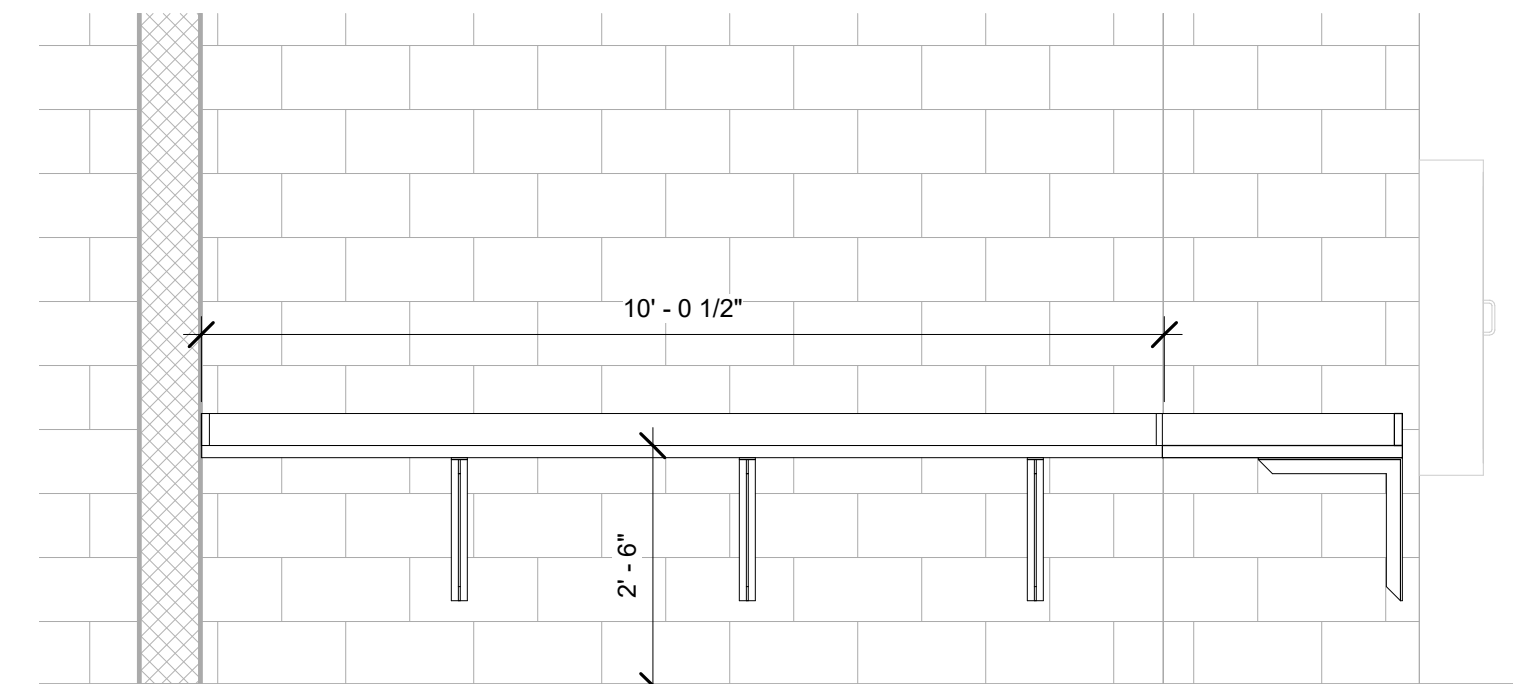
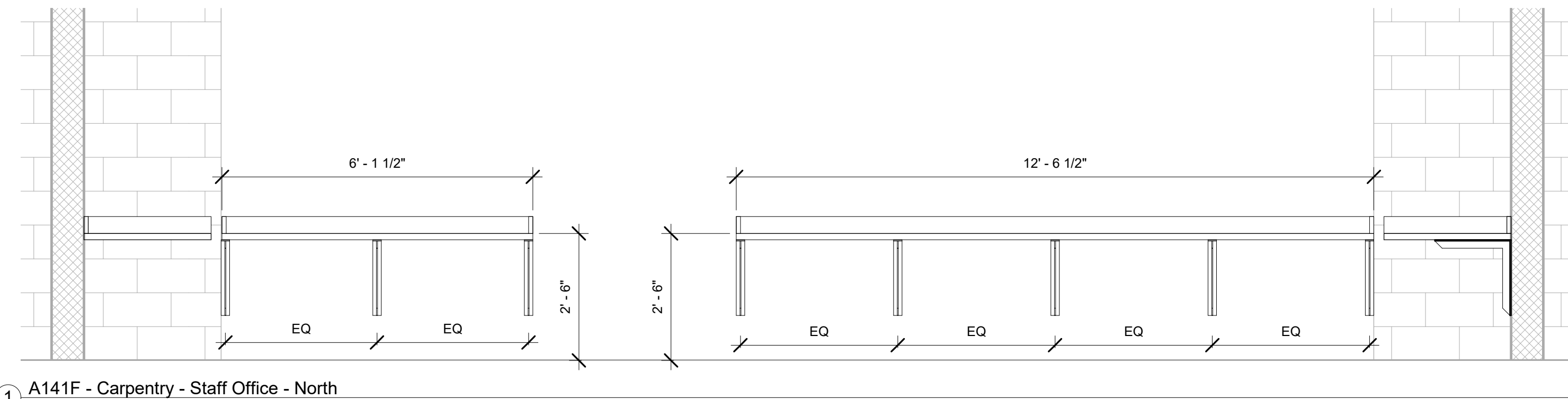
Job No.: 20202

Drawn By: DRA

Date: 08/04/2022

EQ2.4

CARPENTRY - 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
CP01	1	X			Dust Collection - Full Shop												
CP02	1		X		Large CNC	Laguna SmartShop II		-	50/60	7.5	208	1 or 3	90psi	-	X	With 10hp Vacuum pumps	CONFIRM
CP03	2		X		Cabinet Saw	SawStop		-	13	3	230	1	-	-	-	4" Dust Port	EXISTING CONFIRM
CP04	1		X		Panel Saw	SCMI		-	20	-	230	3	-	-	-	4" Dust Port - 500cfm	EXISTING CONFIRM
CP05	1		X		Table Saw	Laguna		-	-	5	220	1 or 3	-	-	-	4" Dust Port	EXISTING CONFIRM
CP06	1		X		Vertical Band Saw	Powermatic		-	30	5	220	1 or 3	-	-	-	4" Dust Port	EXISTING CONFIRM
CP07	1		X		Inverted Router	C.R. ONSRUD		-	-	3	230	1 or 3	80psi 4 cfm	-	-	-	EXISTING CONFIRM
CP08	1		X		Planer	Northfield		-	-	20-30	208	3	-	-	-	4" Dust Port	EXISTING CONFIRM
CP09	2		X		Jointer	Northfield		-	-	3-5	208	3	-	-	-	4" Dust Port	EXISTING CONFIRM
CP10	1		X		Oscillating Universal Edge Sander	Newton		-	-	-	220	1	-	-	-	-	EXISTING CONFIRM
CP11	1		X		Planer	Delta DC-380		-	-	3	200-230	1 or 3	-	-	-	4" Dust Port	EXISTING CONFIRM
CP12	1		X		Drum Sander	Delta		-	16	3	230	-	-	-	-	2 @ 4" Dust Ports	EXISTING
CP13	1		X		Vertical Band Saw	Tannewitz		-	-	5	208-230/460	1 or 3	-	-	-	-	EXISTING CONFIRM
CP14	1		X		Planer	Powermatic		-	-	3	230	1	-	-	-	4" Dust Port	EXISTING CONFIRM
CP15	1		X		Plywood Rack			-	-	-	-	-	-	-	-	-	
CP16	2		X		Linear Stock Rack			-	-	-	-	-	-	-	-	-	
CP17	#			X	Saw Horses			-	-	-	-	-	-	-	-	-	EXISTING
CP18	#			X	Rake and Shovel Rack			-	-	-	-	-	-	-	-	-	
CP19	2			X	Tool Storage			-	-	-	-	-	-	-	-	-	
CP20	2			X	14 " Band Saw	Delta		-	-	-	115	-	-	-	-	-	EXISTING
CP21	1			X	Portable Table Saw	SawStop		-	-	1.5	120	-	-	-	-	2 -9/16" OD Dust Port	EXISTING CONFIRM
CP22	3			X	Flammable cabinets			-	-	-	-	-	-	-	-	-	EXISTING CONFIRM
CP23	1			X	Portable Dust Collection	Delta		-	-	-	115	-	-	-	-	-	EXISTING
CP24	1			X	Belt/Disc Sander			-	-	-	115	-	-	-	-	-	EXISTING CONFIRM
CP25	2			X	Small Planer on Cart	Dewalt DW735X		-	15	-	120	-	-	-	-	4" Dust Port	EXISTING
CP26	1			X	Lathe			-	-	1.5	110	-	-	-	-	-	EXISTING
CP27	1			X	Spindle Sander			-	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			-	-	-	-	-	-	-	-	-	NEW
CP30	1			X	Drill Press			-	-	-	120	-	-	-	-	4" Dust Port	EXISTING CONFIRM
CP31	1			X	Drill Press	Rockwell		-	-	-	220	3	-	-	-	-	EXISTING CONFIRM
CP32	1			X	Drill Press	Delta		-	-	-	120	-	-	-	-	4" Dust Port	EXISTING
CP33	1			X	Large Dust Collection - Portable	KUFO		-	6/5	3-5	220/440	-	-	-	-	-	EXISTING CONFIRM



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www.draa.com

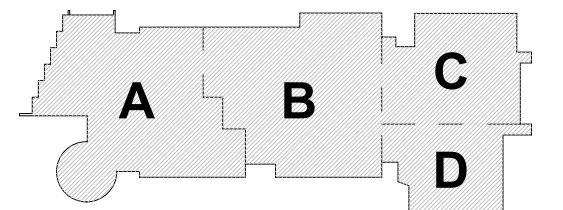
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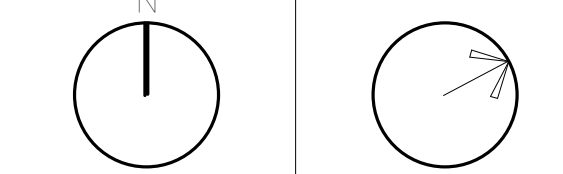
MSBA DESIGN
DEVELOPMENT
SUBMISSION

08/04/2022



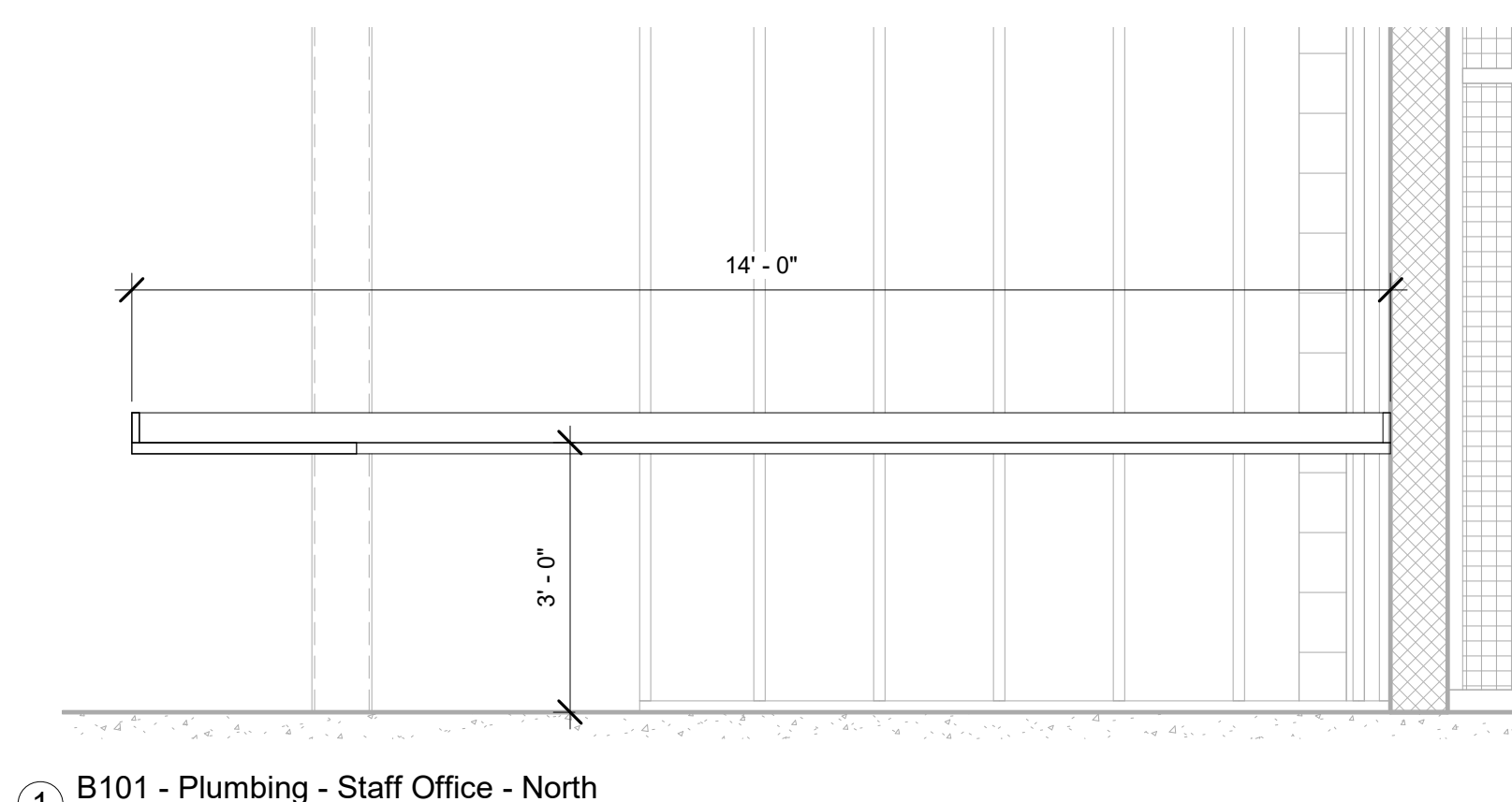
KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

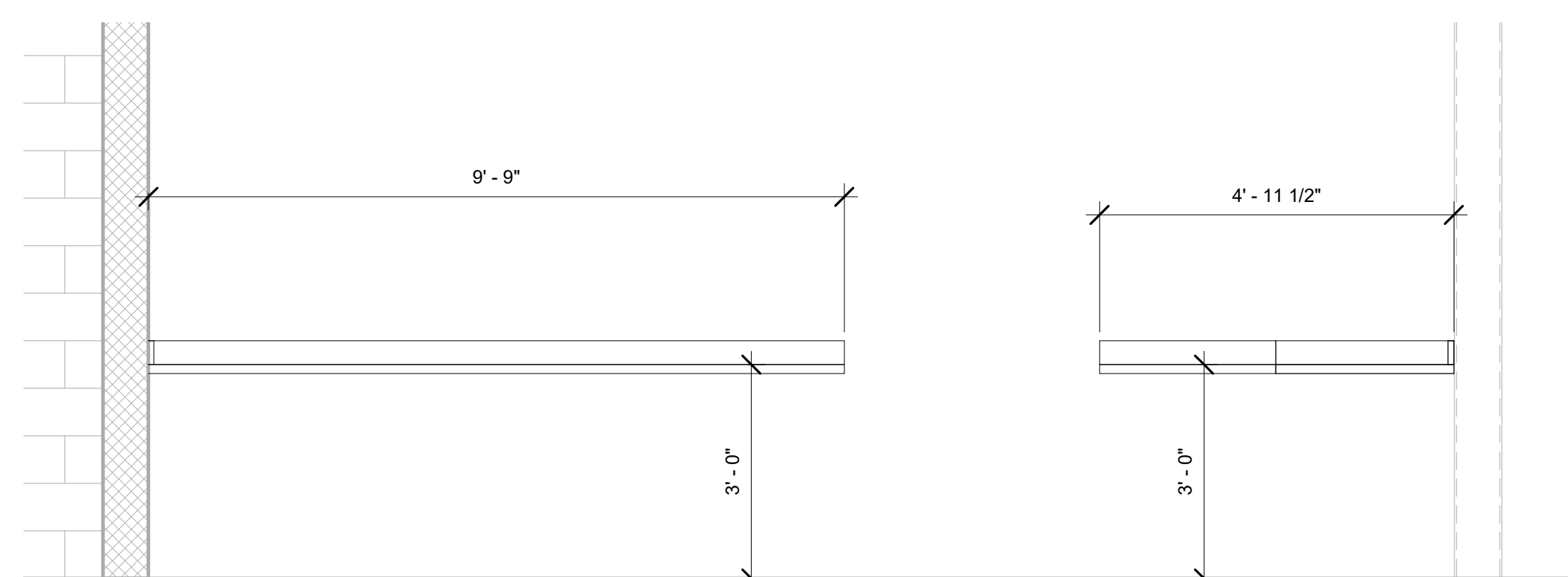


CARPENTRY
Casework &
Equipment

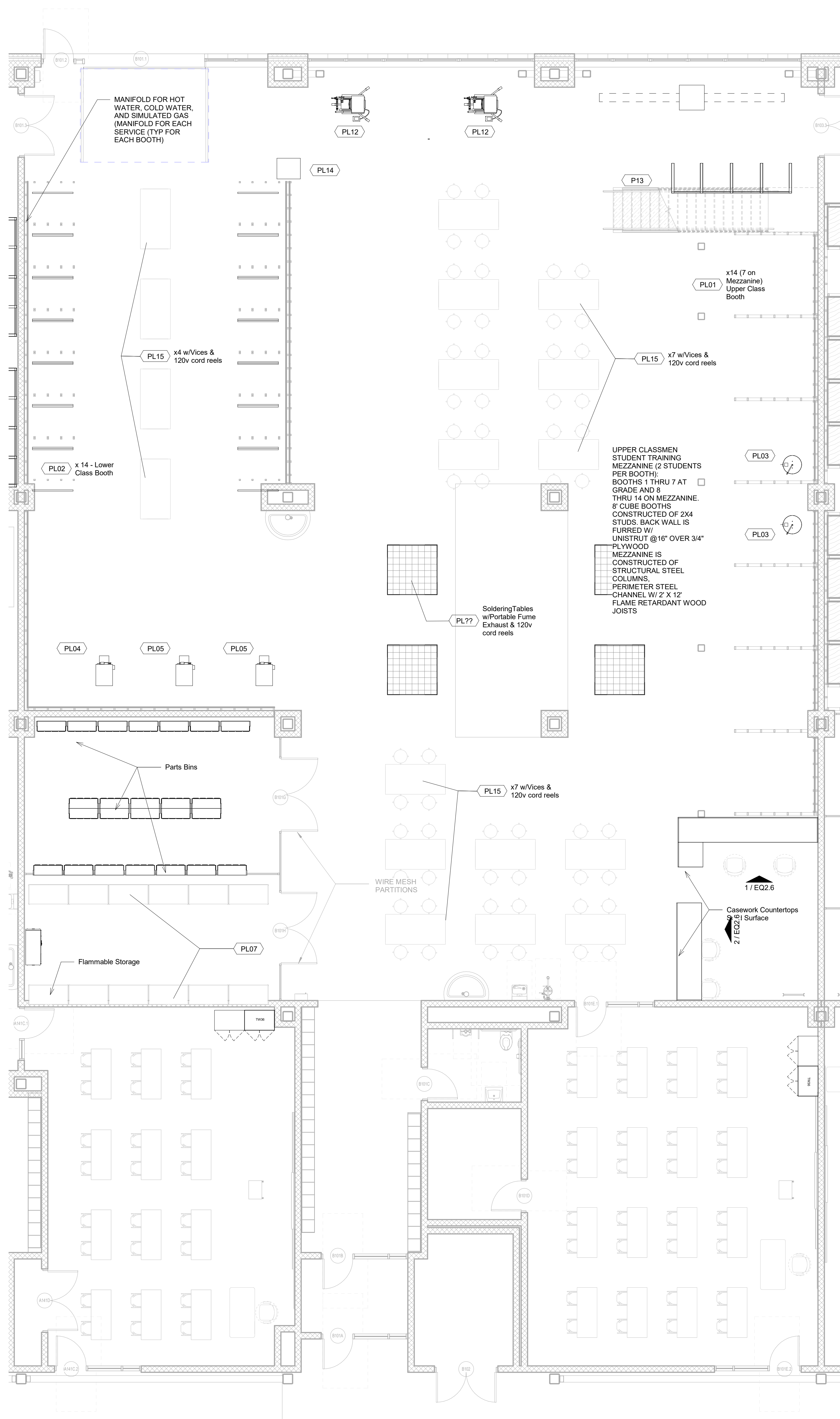
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Job No.: 20202
Drawn By: DRA
Date: 08/04/2022
EQ2.5

[illegible]

① B101 - Plumbing - Staff Office - North
1/2" = 1'-0"



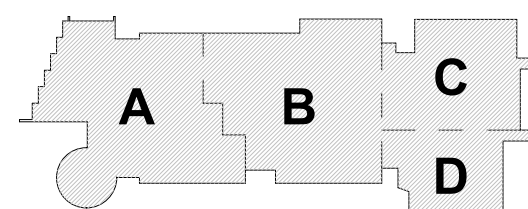
② B101 - Plumbing - Staff Office - West
1/2" = 1'-0"



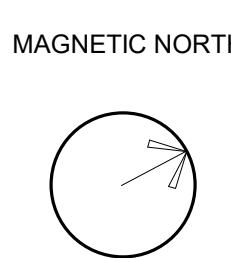
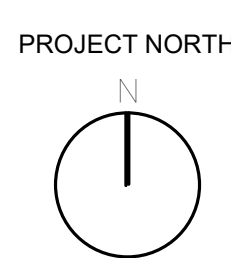
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DEVELOPMENT
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08/04/2022



KEY PLAN



**PLUMBING /
PIPEFITTING
Casework &
Equipment**

Scale: As indicated

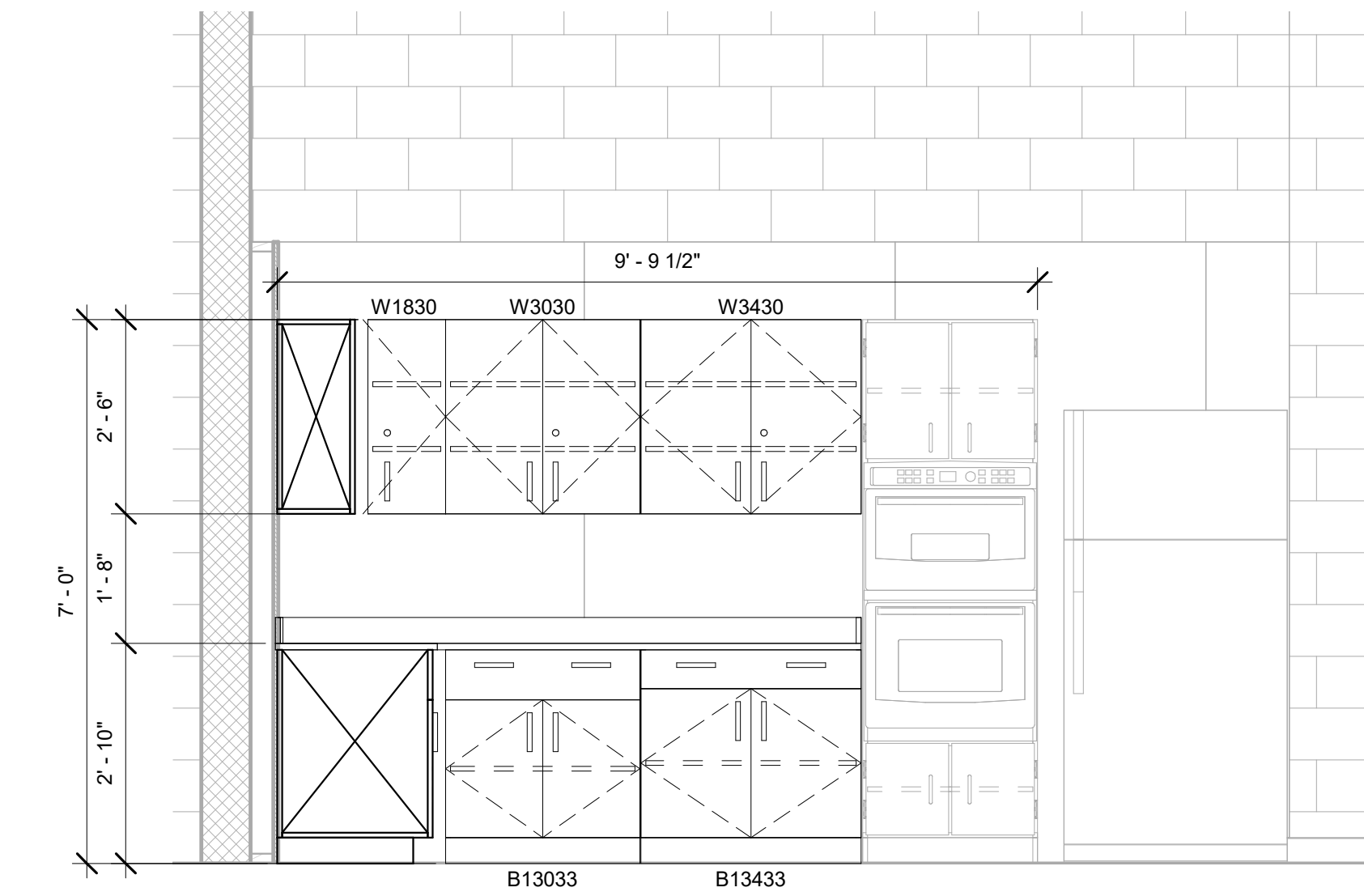
Job No : 20202

Dermatol. Ther. 2000; 16: 22

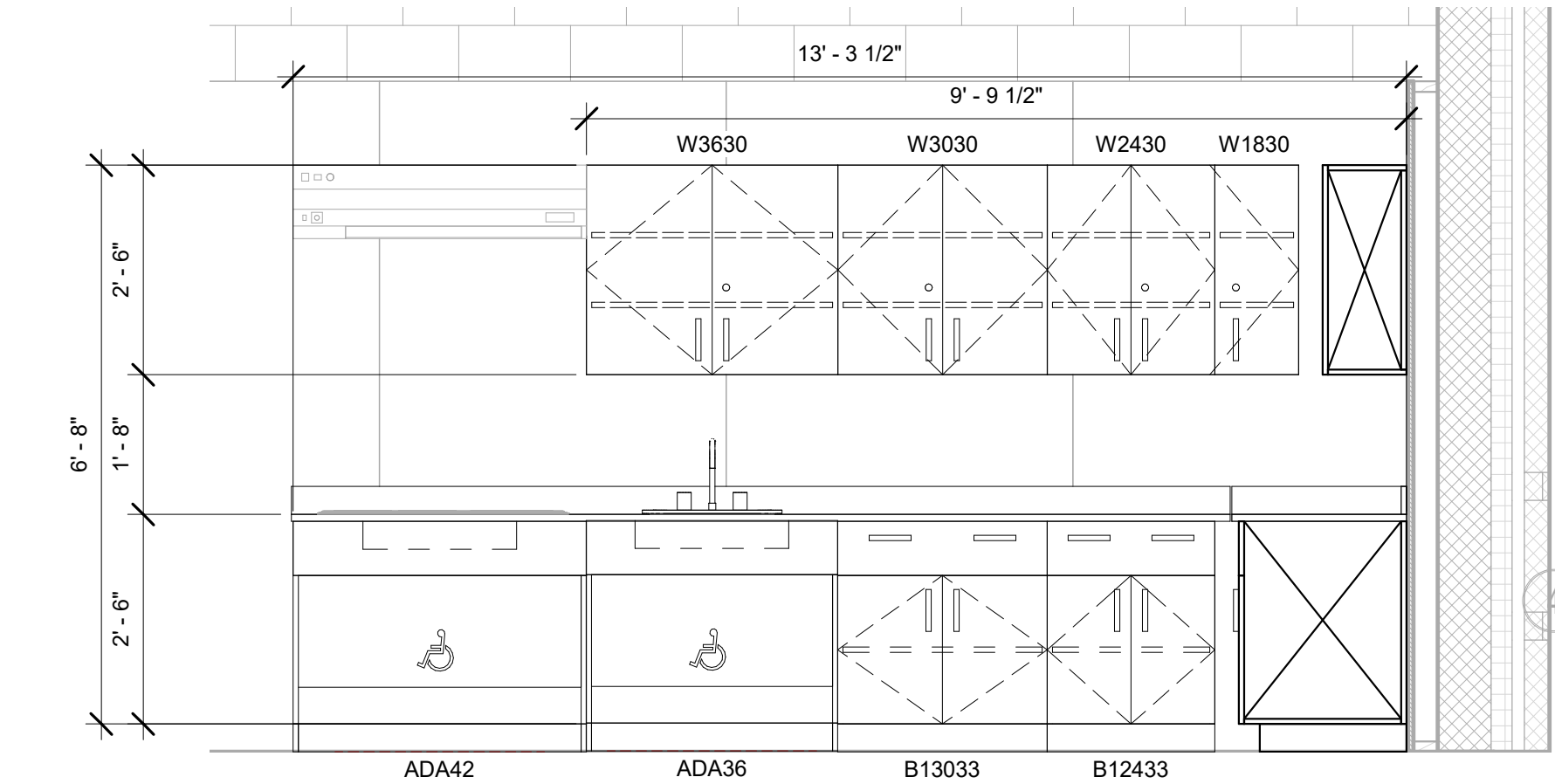
Date: 08/04/2023

EQ2.6

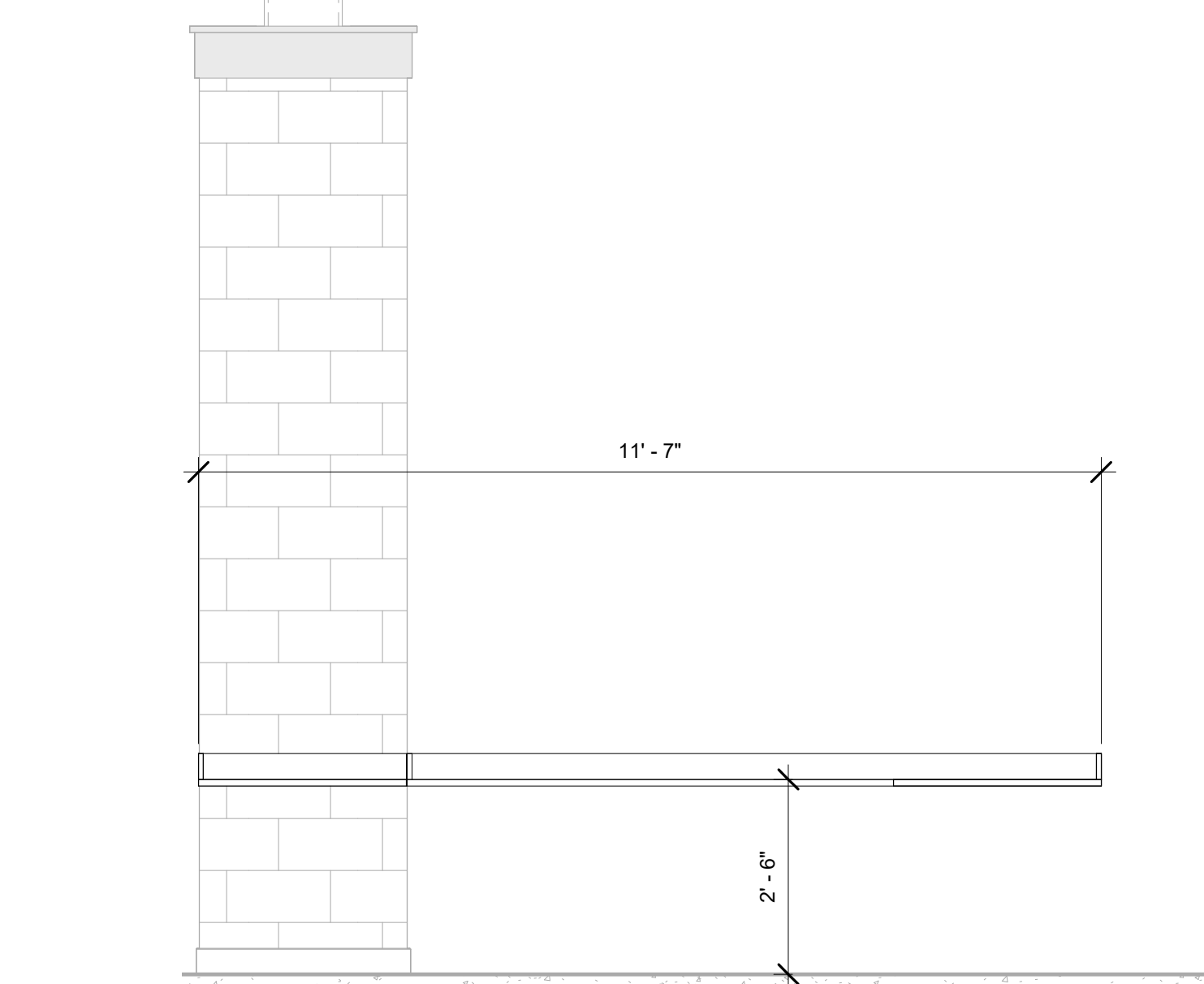
ELECTRICAL - SCHEDULE													
ITEM	QTY	Furnish and install by CMR	Furnish by owner and install by Owner	DESCRIPTION	MAKE & MODEL	SIZE (DWWH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water
ET01	38	X		Student Booths		-	-	-	-	-	-	-	-
ET02	#		X	Manual Pipe Benders		-	-	-	-	-	-	-	-
ET03	#		X	Wire Spools		-	-	-	-	-	-	-	-
ET04	#		X	Ladders		-	-	-	-	-	-	-	-
ET05	32		X	Worktables w/Vice		-	-	-	-	-	-	-	-
ET06	1		X	Drill press		-	-	20	120	-	-	-	-
ET07	#		X	Storage Cabinets w/bins		-	-	-	-	-	-	-	-
ET08	#		X	Shop Vac		-	-	-	120	-	-	-	-
ET09	#		X	Mobile Storage Carts		-	-	-	-	-	-	-	-
ET10	#		X	Greenlee Boxes		-	-	-	-	-	-	-	-
ET11	#		X	Pipe Cutters		-	-	-	-	-	-	-	-
ET12	1		X	Solar Trainer		-	-	-	-	-	-	-	-



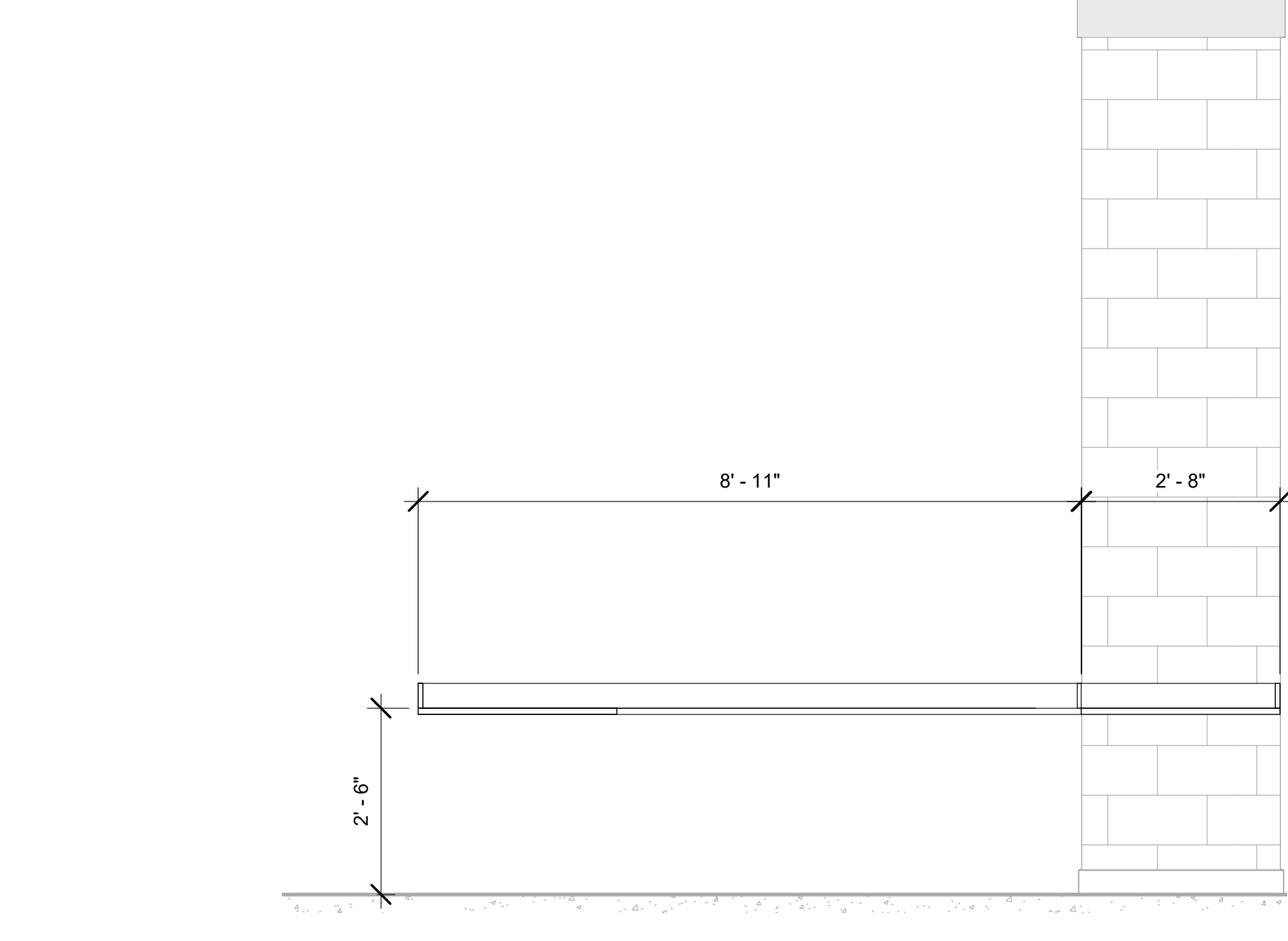
1 B104 - Electrical - Mock Kitchen - North
1/2" = 1'-0"



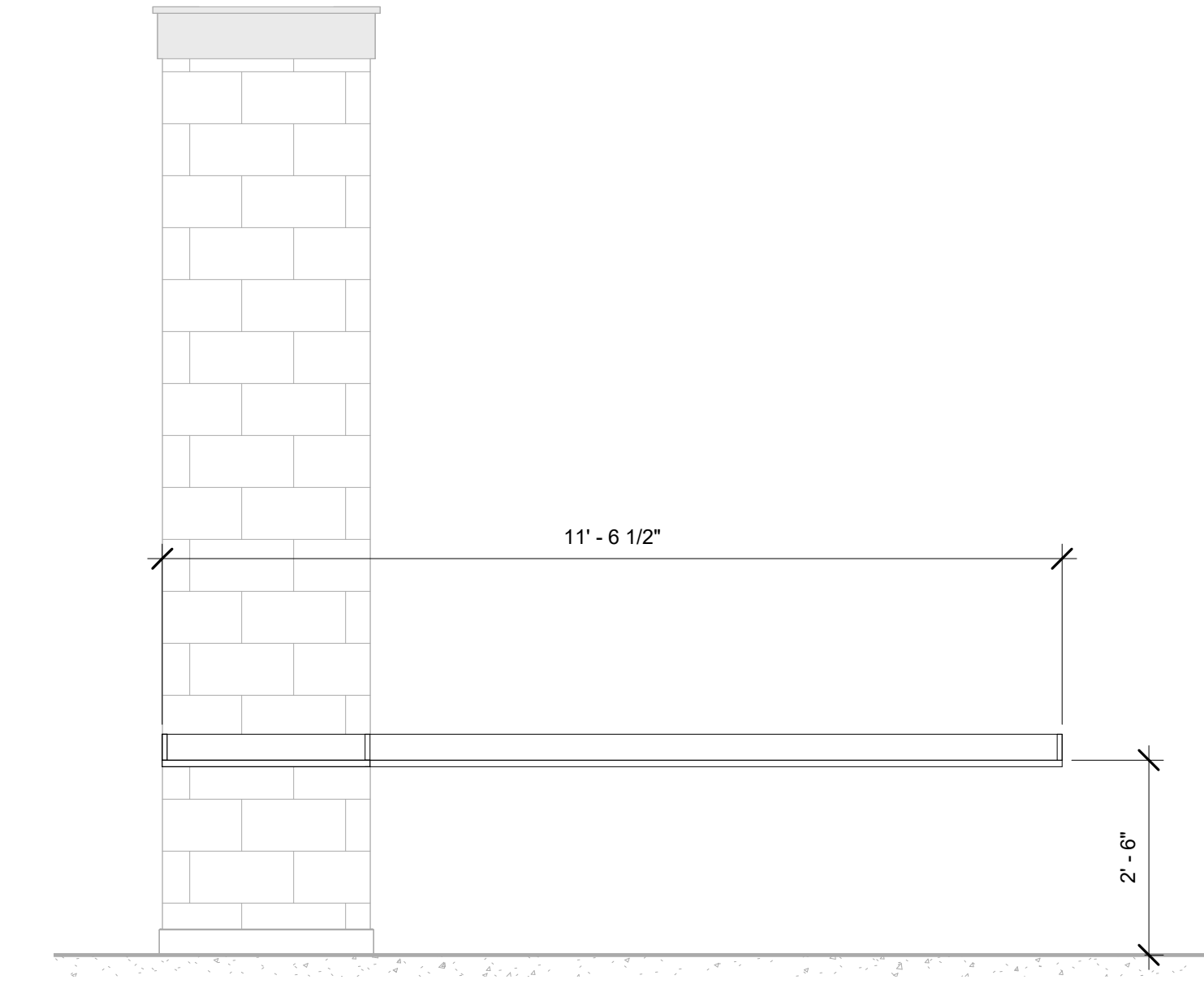
2 B104 - Electrical - Mock Kitchen - West
1/2" = 1'-0"



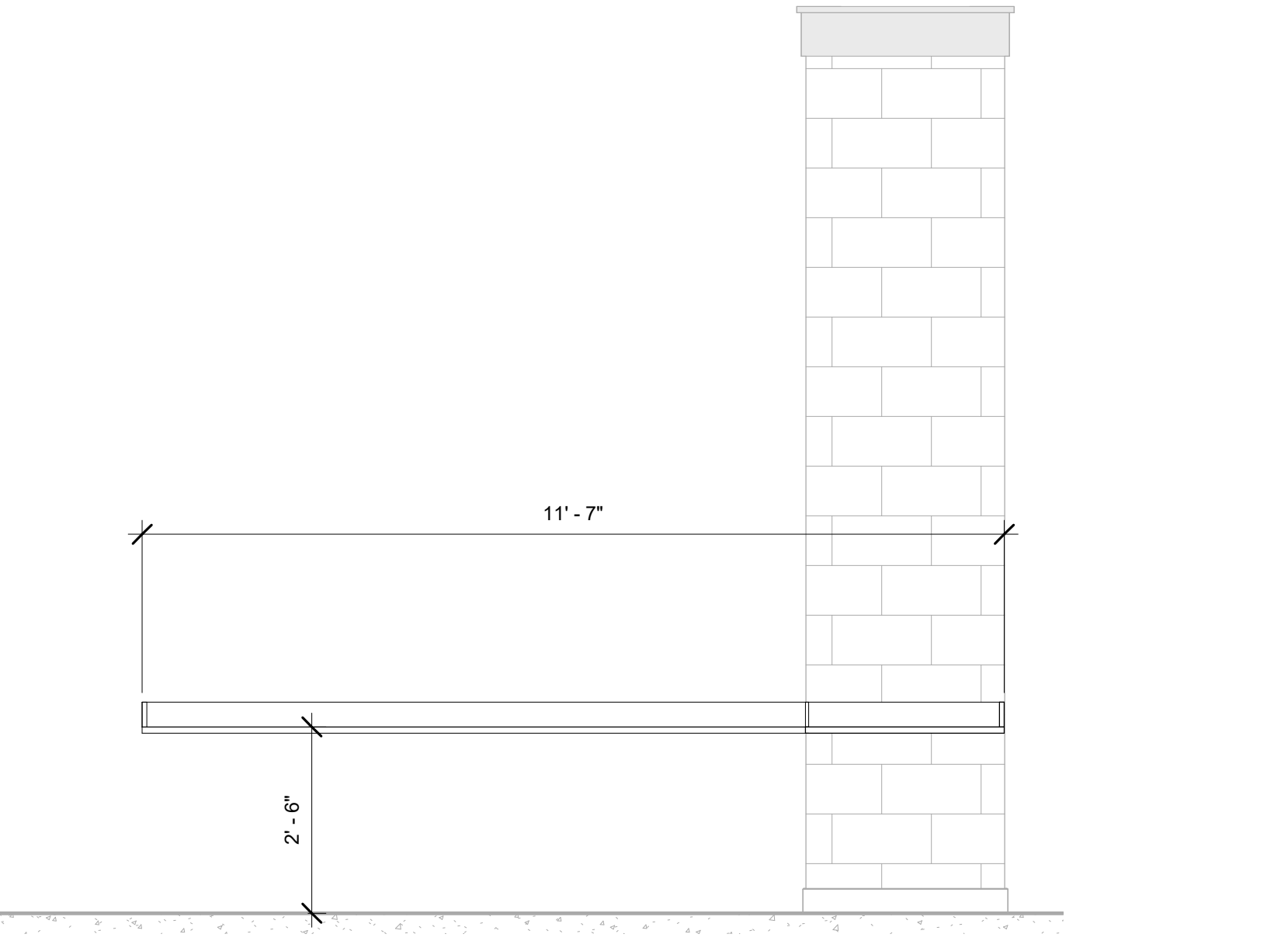
3 B104 - Electrical - Staff Office - East
1/2" = 1'-0"



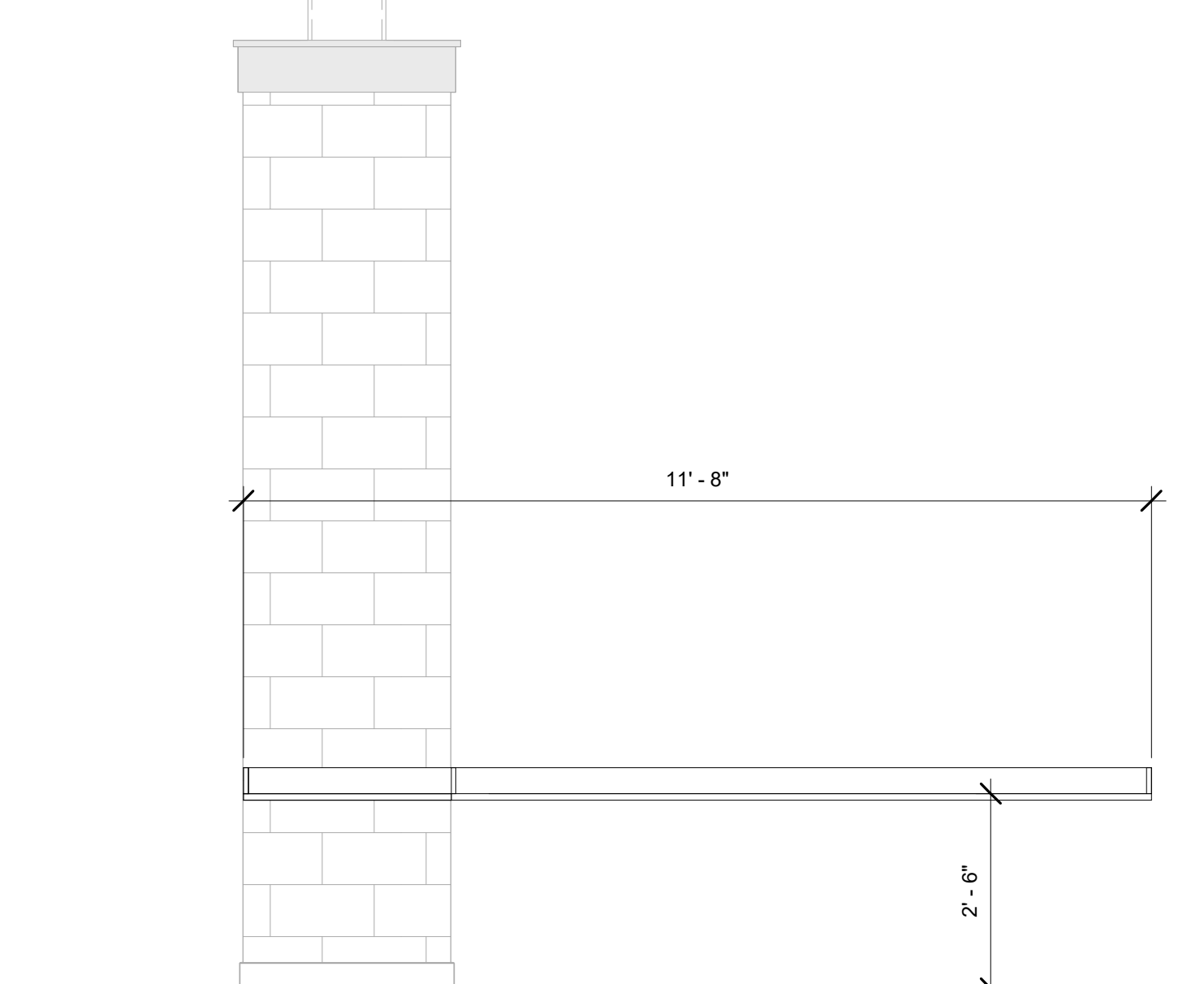
4 B104 - Electrical - Staff Office - West
1/2" = 1'-0"



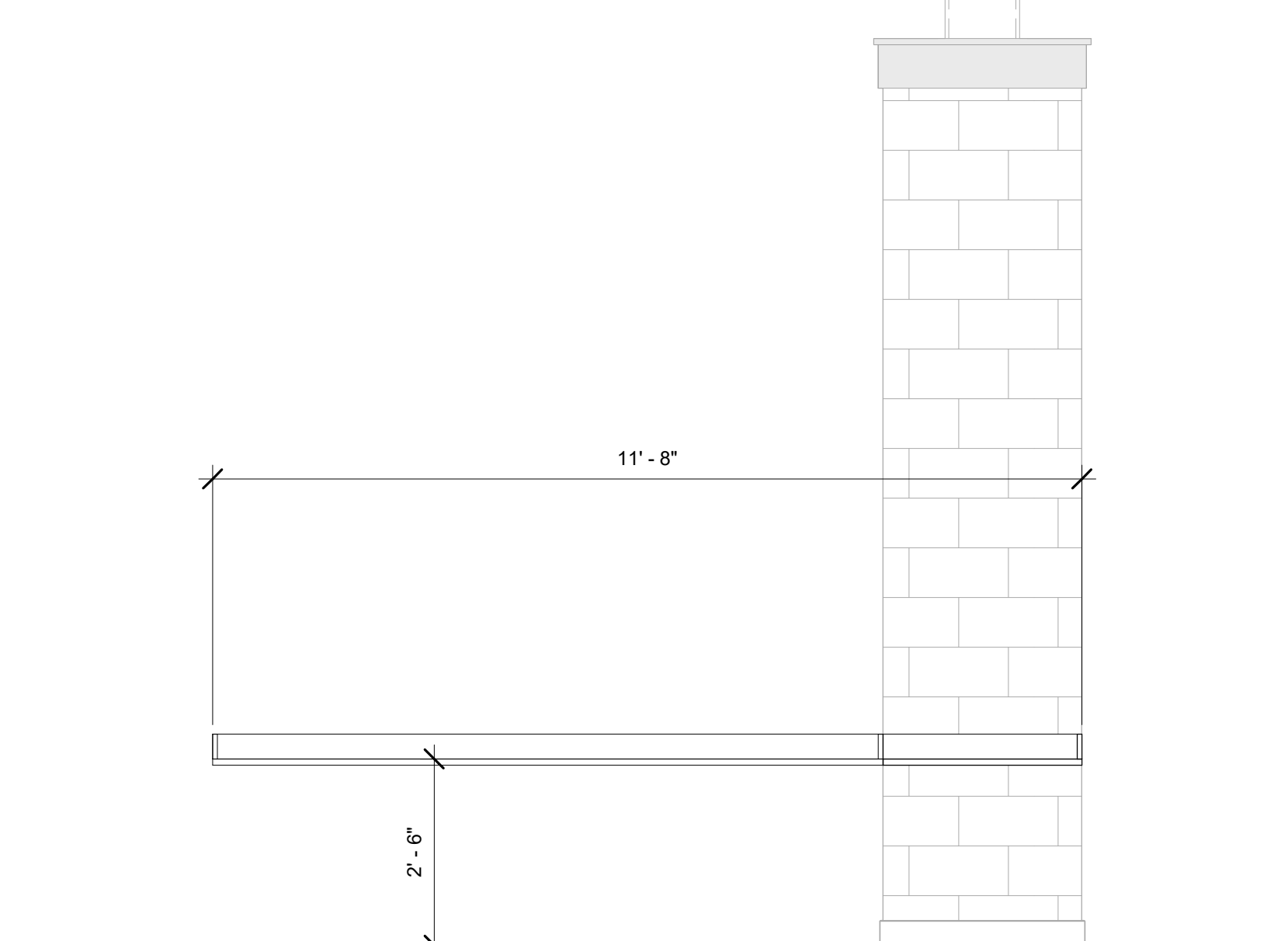
5 B104 - Electrical - Staff Office - South
1/2" = 1'-0"



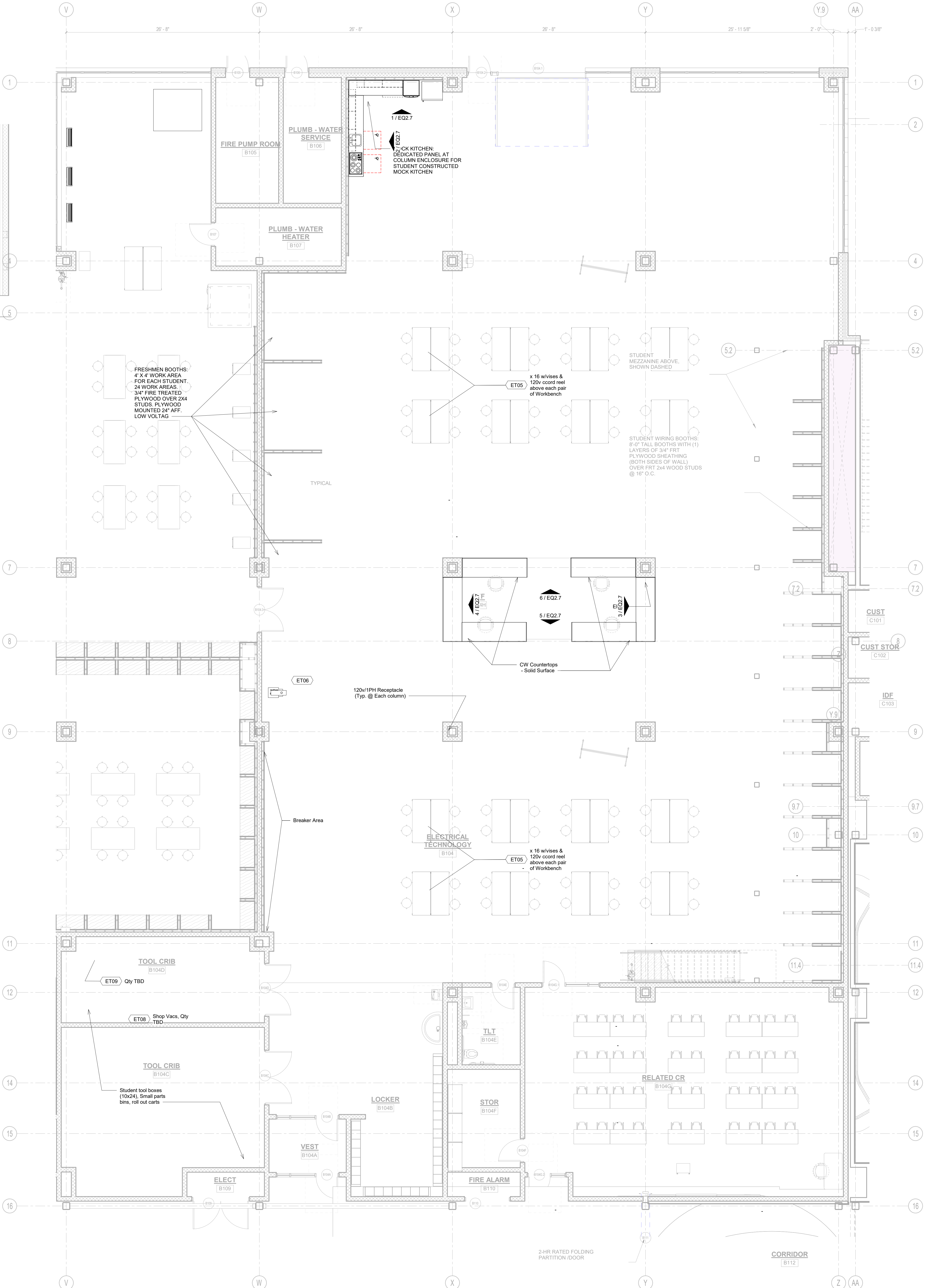
6 B104 - Electrical - Staff Office - North
1/2" = 1'-0"



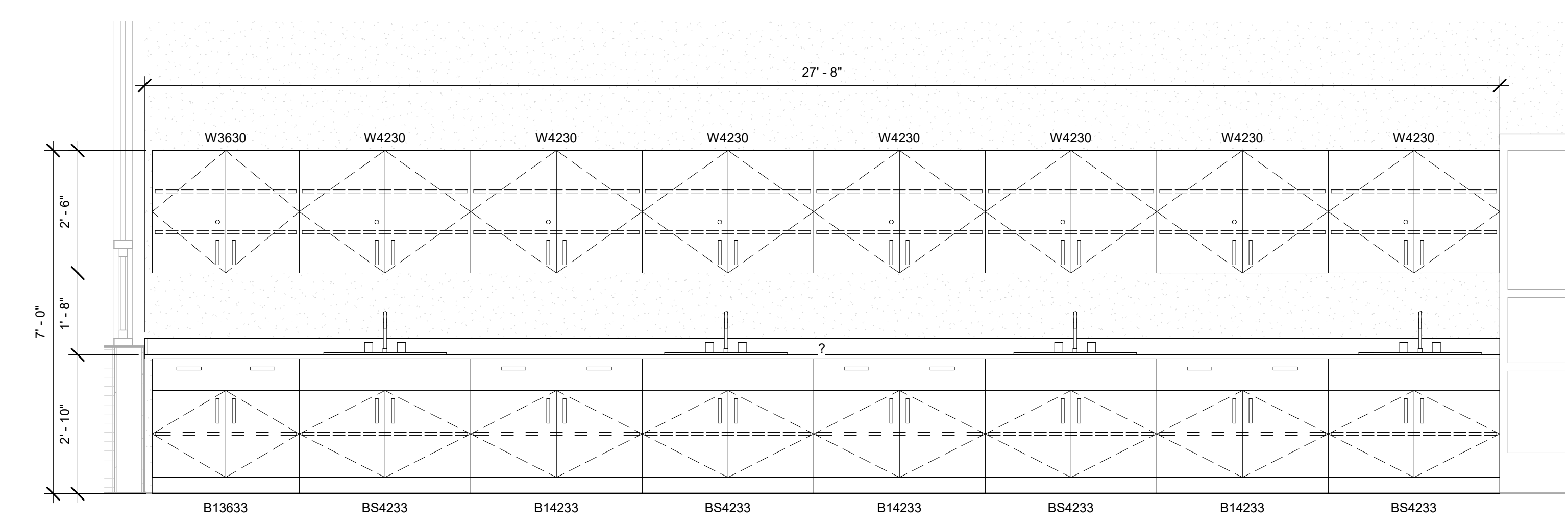
6 B104 - Electrical - Staff Office - North
1/2" = 1'-0"



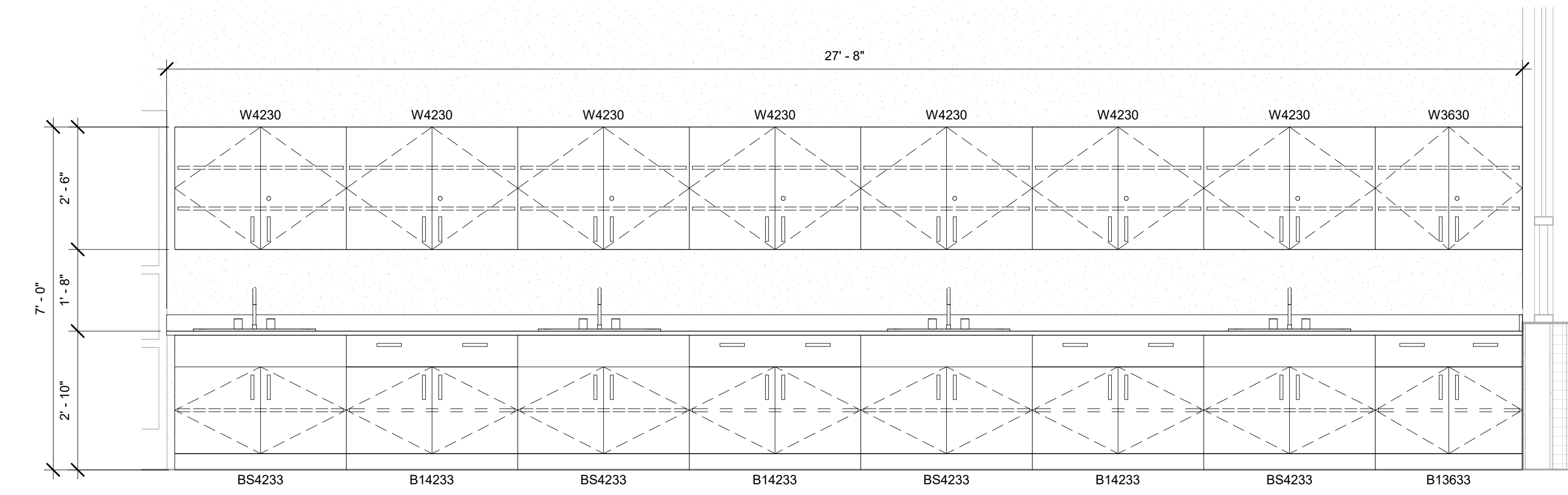
6 B104 - Electrical - Staff Office - North
1/2" = 1'-0"



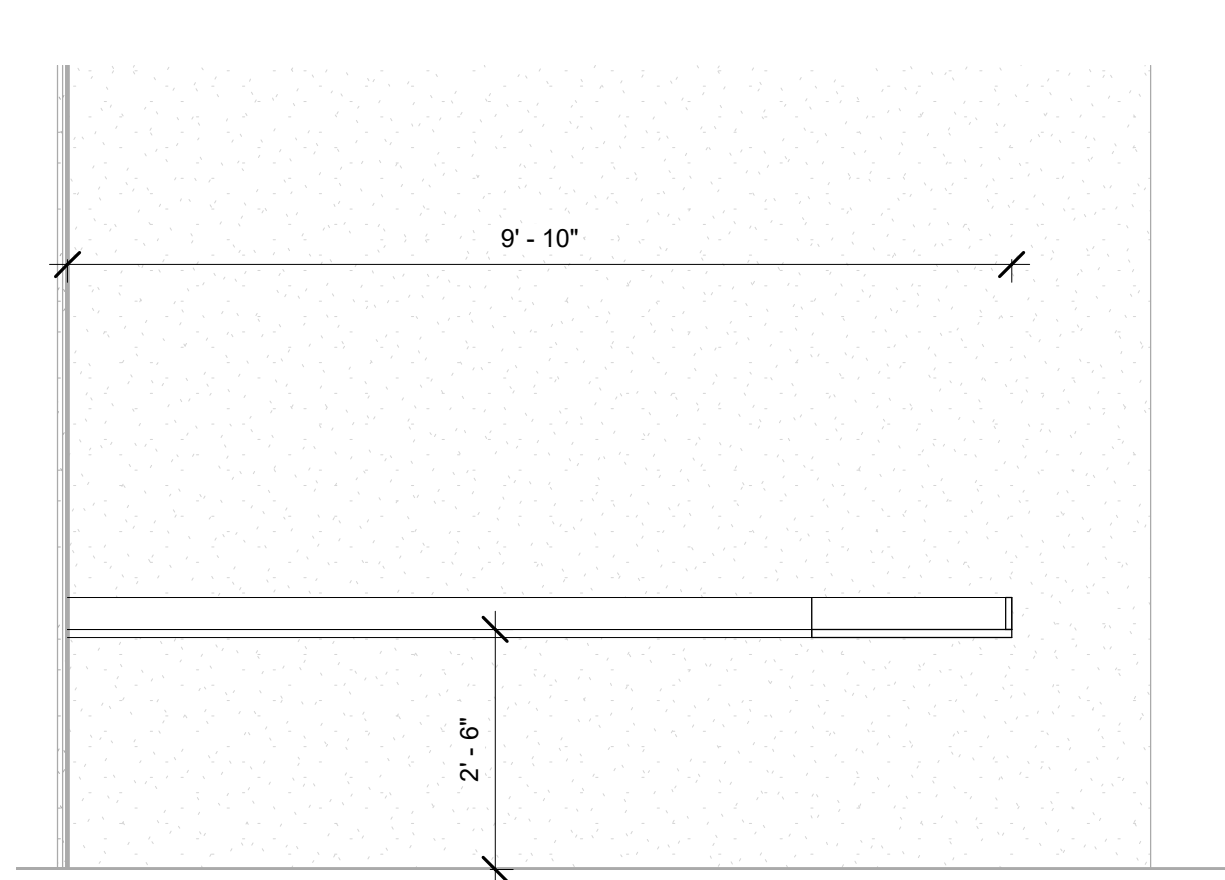
DENTAL - SCHEDULE																
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install by Owner	DESCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DT01	1	X		MSDS			-	-	-	-	-	-	-	-	-	General
DT02	1	X		Washer	TBD		-	20	-	120	-	-	hot/cold/drain	-	-	Utility
DT03	1	X		Dryer	TBD		-	22	-	208	-	Vent	-	-	-	Utility
DT04	1		X	X Ray Chair	A-DEC 311		-	15	-	120	-	-	-	-	-	2 Requested - Confirm...
DT05	2	X		Air Compressor	MIDMARK POWER VAC P72		-	29	4.8	208	-	15.9 cfm @80...	-	-	-	7-10 users per
DT06	1	X		Amalgam Separator	Solmetex; NXT-HGS-001		-	-	-	-	-	-	-	-	Connects to plumbing	Confirm City/Location
DT07	1	X		Vacuum Pump	MIDMARK POWER AIR G14		-	20x2	6	208	-	-	-	-	-	14-20 users
DT08	2	X		Instrument Washer	HYDRIM G4		-	15	-	208	-	-	hot/cold/drain	X	-	CONFIRM NEEED
DT09	16		X	Dental Chair w/Full Package	A-DEC 311,with 332,572,551,545		-	15	-	120	-	80-125psi	1.5 gpm	X	Vac-10v/- 2 in Hg - 9scfm(Wet) 4.5v/- 1 in Hg-12...	Delivery Light, Dental Light,...
DT10	1		X	Pano X Ray Chair	TBD		-	-	-	TBD	-	-	-	-	-	1 Requested - Confirm...
DT11	16		X	Dentists Stool	MidMark Doctor's Stool		-	-	-	-	-	-	-	-	-	Confirm
DT12	16	X		Assistant Stool	Midmark Assistant's Stool		-	-	-	-	-	-	-	-	-	Confirm
DT13	2	X		Xray Film Processor	PERI PRO III FILM PROCESSOR		-	-	-	115	-	-	-	-	-	Dated
DT14	1	X		Panoramic X Ray	KAVO Orthopantomograph op 3D		-	30 rec.	-	120	-	-	-	X	-	Replacement
DT15	1	X		Interoral X ray	KAVO FOCUS		-	-	-	115	-	-	-	X	-	NEW
DT16	2	X		Stericenter			-	-	-	120	-	-	-	X	Each area would need (3) dedicated circuits and a...	Stericenter
DT17	2	X		Cassette Autoclave	Dri-Tec STATIM 2000 G4		-	-	-	120	-	-	-	X	-	Model Making
DT18	2	X		Fullsize Autoclave	Midmark M11		-	15	-	115	-	-	-	X	-	Stericenter
DT19	2	X		Small Autoclave	Midmark M3 ULTRAFAST		-	12	-	115	-	-	-	X	-	Stericenter
DT20	2	X		Ultrasonic Cleaner	BIOSONIC UC300		-	7	-	115	-	-	-	X	-	Stericenter
DT21	2	X		Handpiece Cleaner/Lubricator	TCF H6000		-	-	-	120	-	AIR REQ.	-	-	-	Stericenter
DT22	16	X		Amalgamator	Ultramat 2		-	-	-	110	-	-	-	-	-	Confirm City/Location
DT23	4	X		Model Trimmer	RAY FOSTER MT10		-	-	1/3	115	-	-	cold/drain	-	Plumbing trap needed	Model Making
DT24	4	X		Lab Handpiece	Rampower 35/45 control box, tech2000 hp...		-	-	-	110	-	-	-	-	-	Model Making
DT25	4	X		Dust Collectors	Porta Vac Dust Collectors Bench Top		-	-	-	115	-	-	-	-	Self Contained	Model Making (Via Grant?)
DT26	2	X		Polishing Lathe			-	-	-	110	-	-	-	-	-	Model Making
DT27	2	X		Extraoral Filtration			-	-	-	110	-	-	-	-	Self Contained	Grant?
DT28	2	X		Printer			-	-	-	110	-	-	-	X	-	Teacher
DT29	18	X		Computers			-	-	-	100	-	-	-	X	-	Student
DT30	4	X		Utility Carts			-	-	-	-	-	-	-	-	-	General
DT31	15	X		Digital X-Ray Screens			-	-	-	-	-	-	-	-	-	General
DT32	#	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
DT38	4	X		UV Lights			-	-	-	110	-	-	-	-	-	General
DT39	26	X		Skulls			-	-	-	-	-	-	-	-	-	General
DT40	#	X		Bins			-	-	-	-	-	-	-	-	-	General
DT41	12	X		Head Stands			-	-	-	-	-	-	-	-	-	General
DT42	1	X		Cerec Milling Unit w/Suction			-	3.5	-	100	-	-	-	X	-	Future



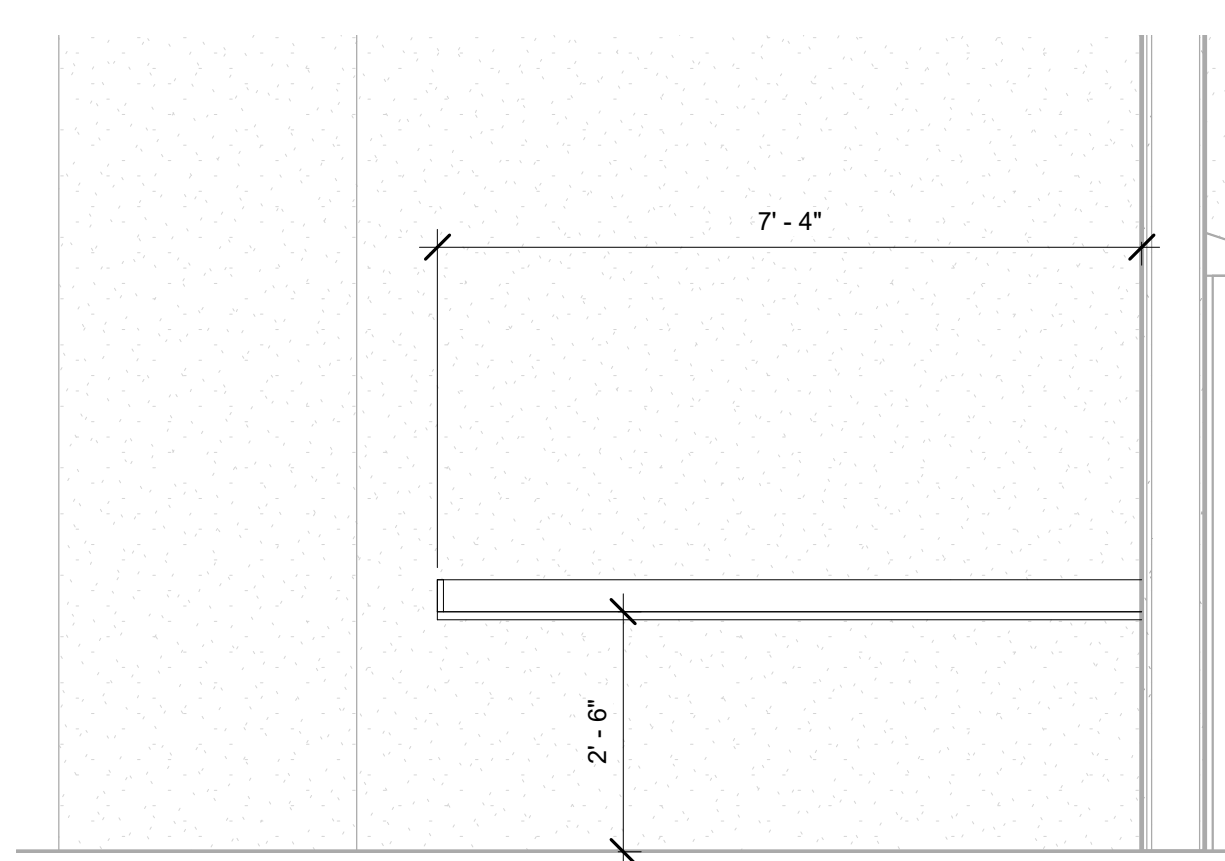
3 B353- Dental Assist- East 1
1/2" = 1'-0"



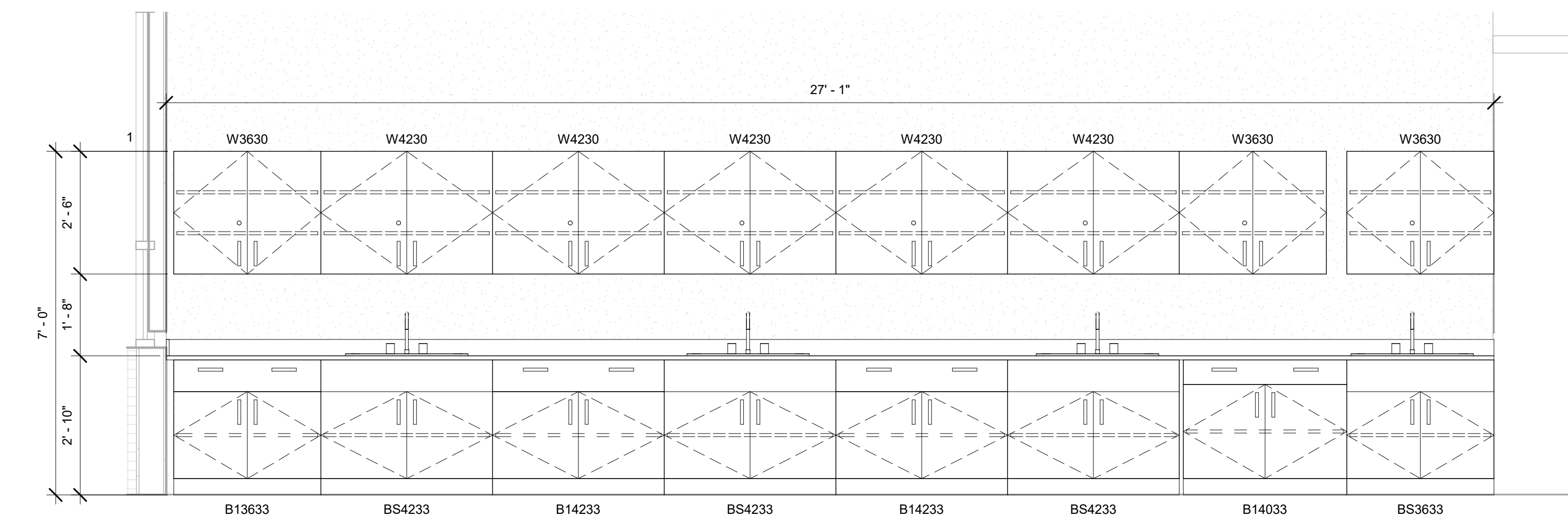
4 B353- Dental Assist- West
1/2" = 1'-0"



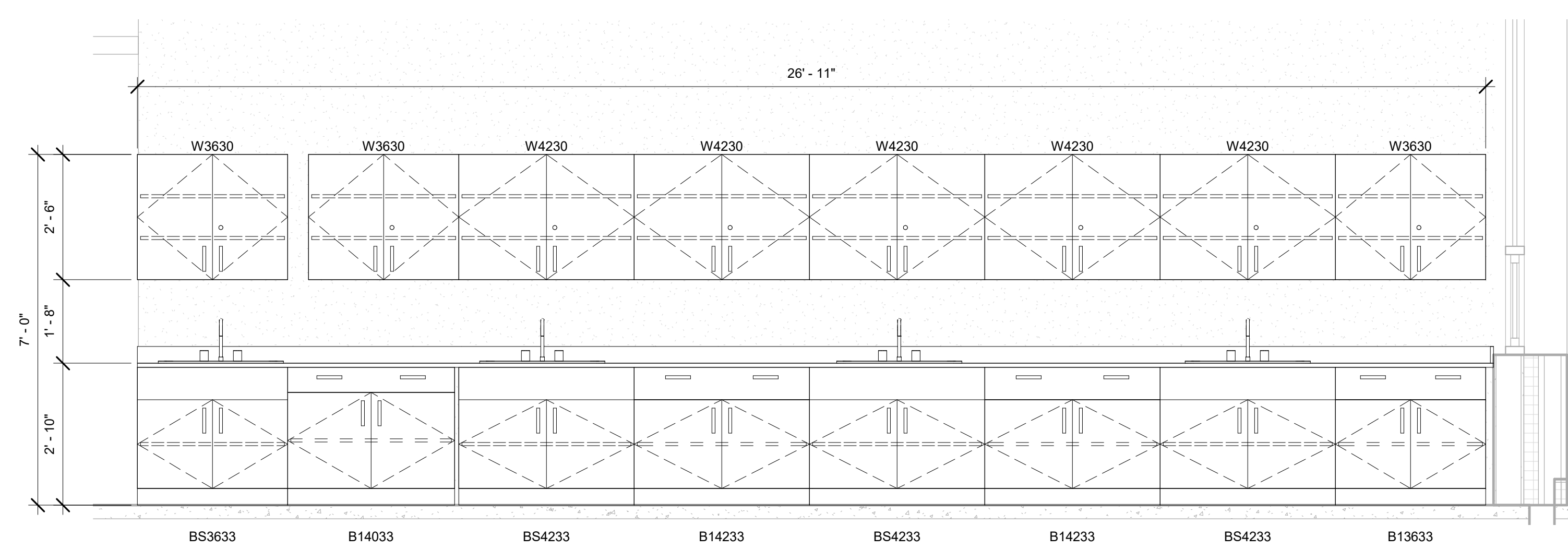
8 B355- Dental Assist- Office- West
1/2" = 1'-0"



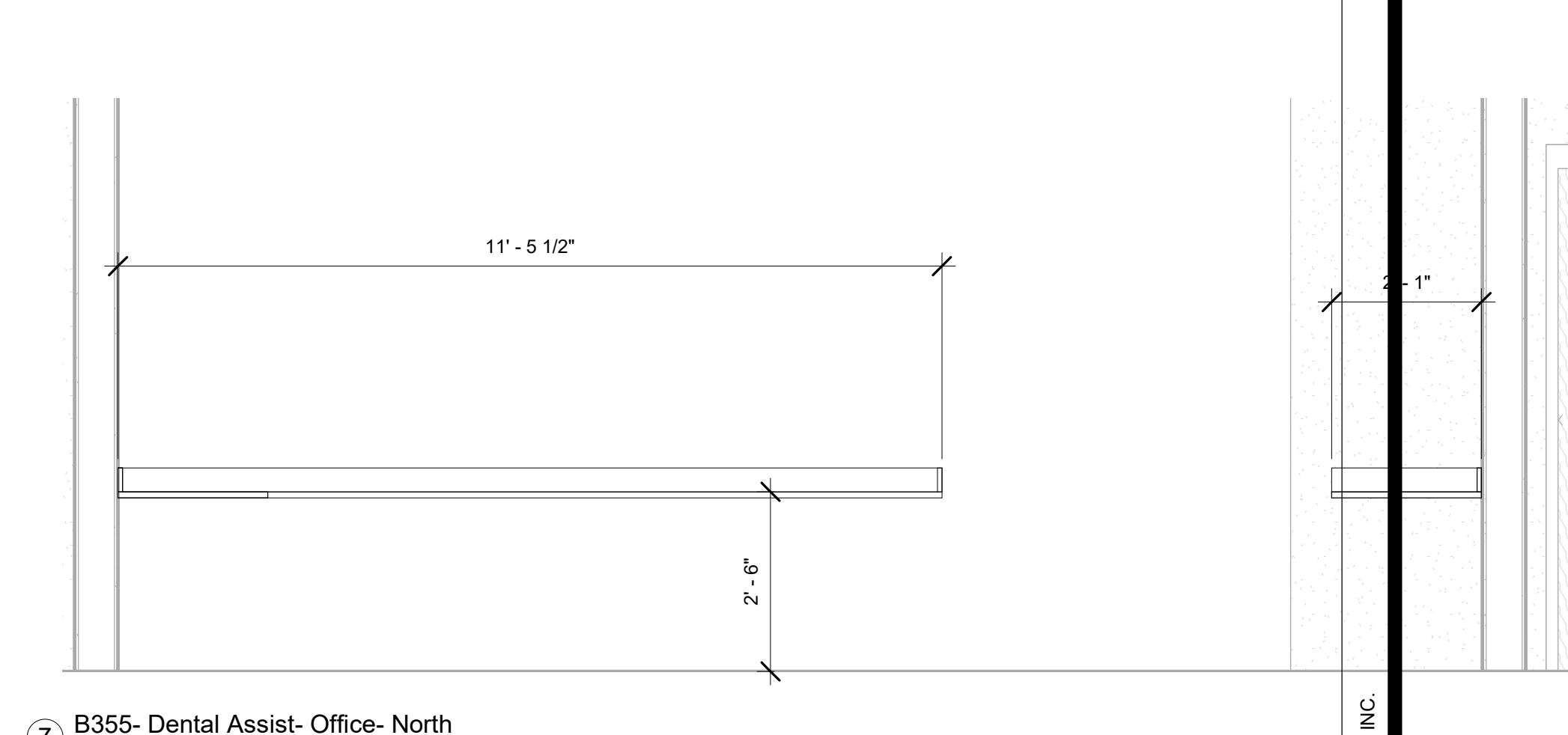
6 B355- Dental Assist- Office- East
1/2" = 1'-0"



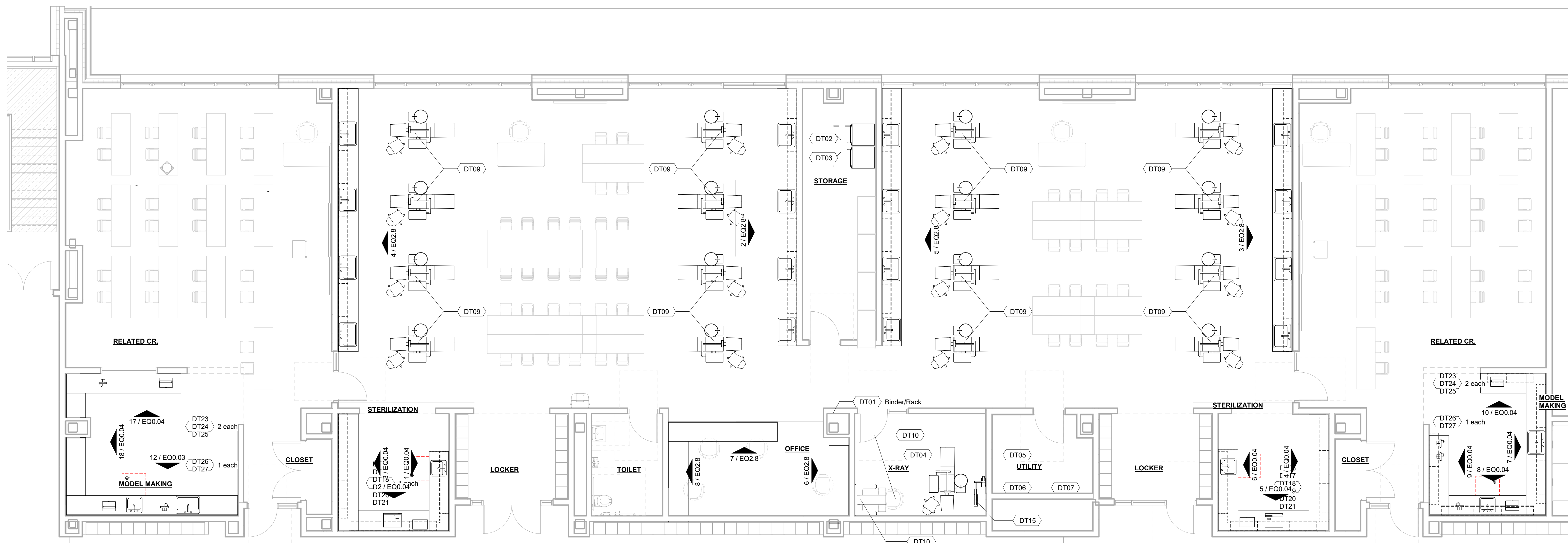
2 B353- Dental Assist- East
1/2" = 1'-0"



5 B353- Dental Assist- West 1
1/2" = 1'-0"



7 B355- Dental Assist- Office- North
1/2" = 1'-0"



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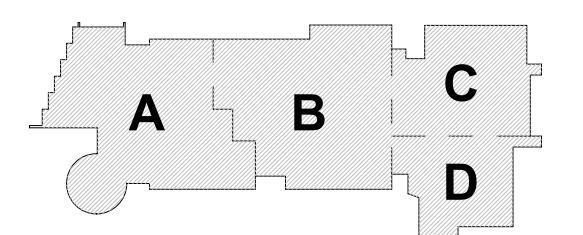
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KEY PLAN

PROJECT NORTH

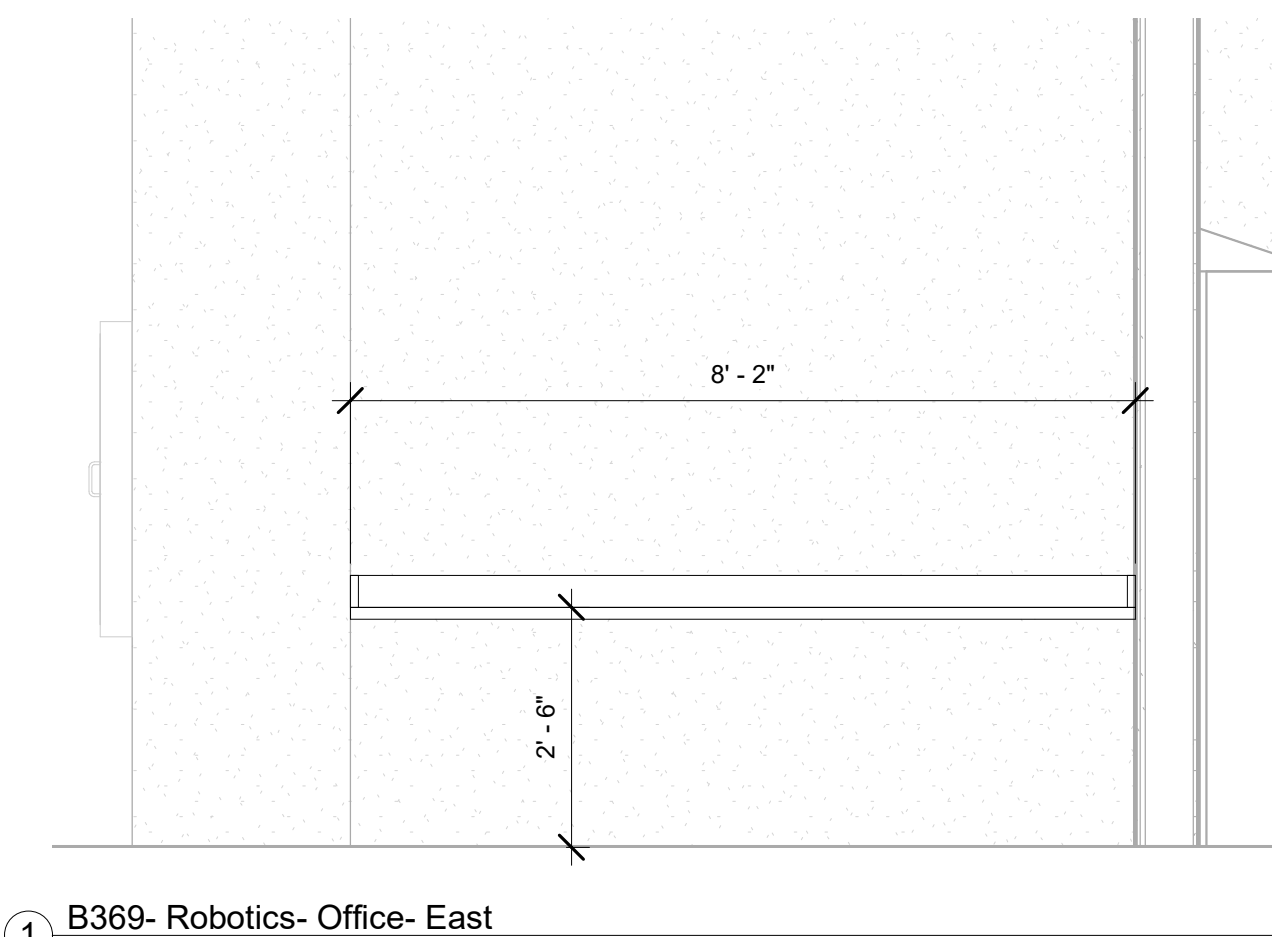
MAGNETIC NORTH

**DENTAL
ASSISTING
Casework &
Equipment**

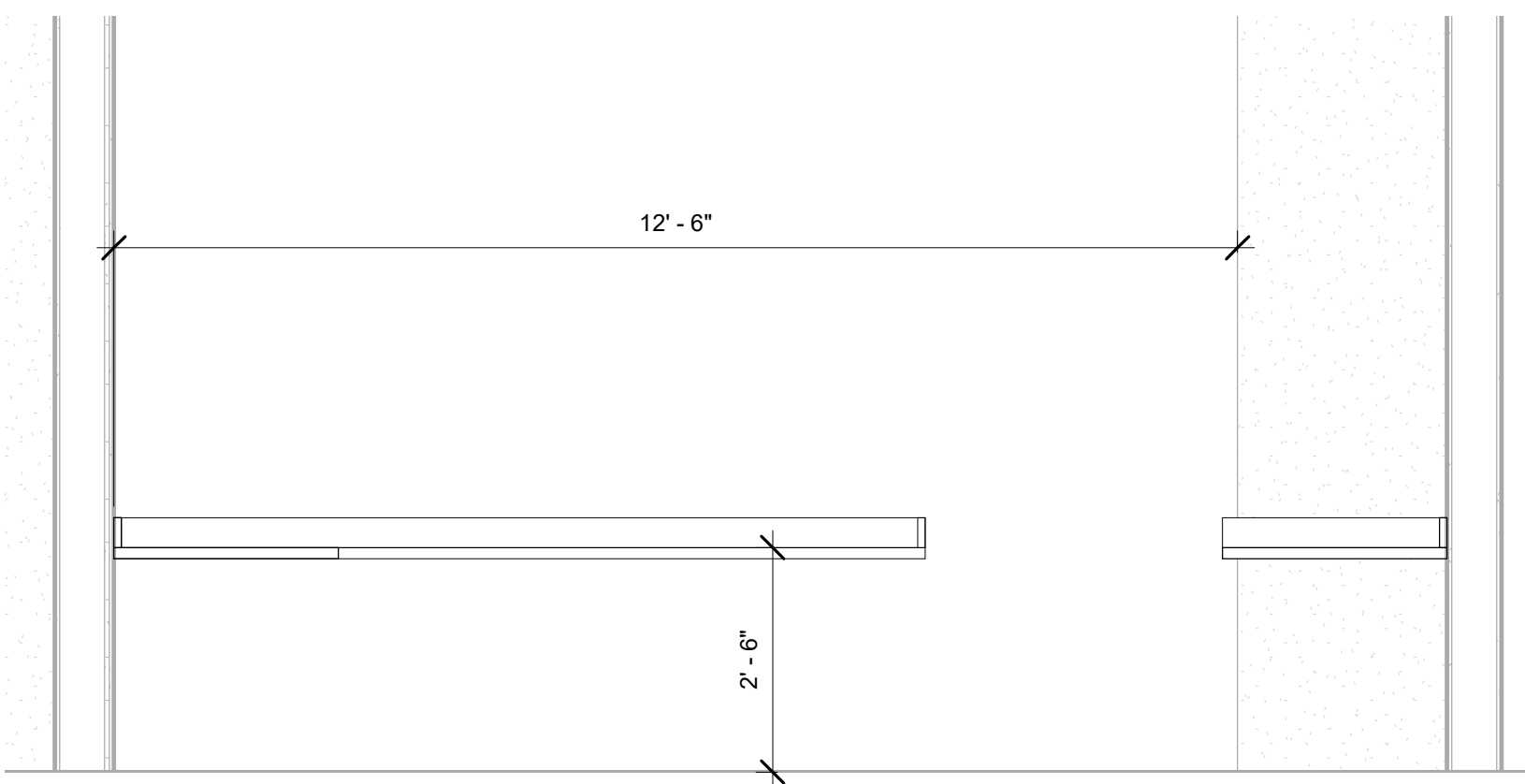
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Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ2.8

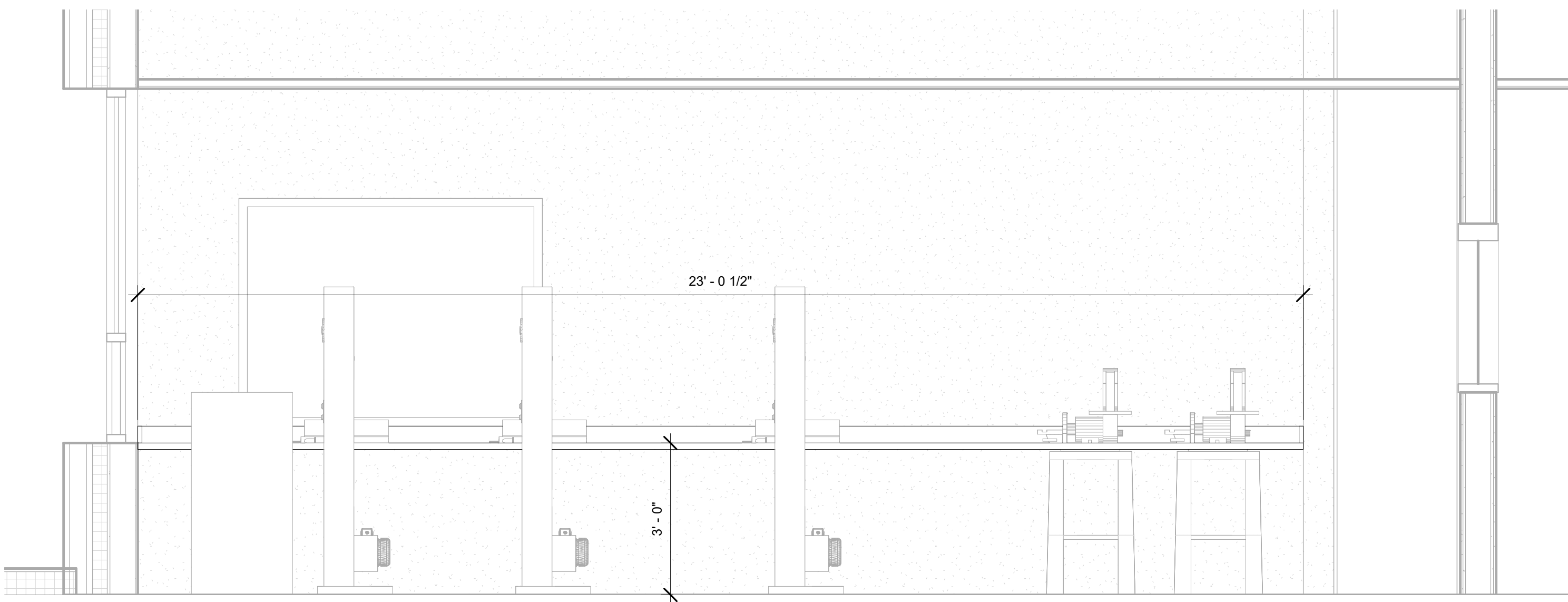
ROBOTICS - SCHEDULE																	
ITEM	QTY	Furnish and install by CMB	Furnish by owner, and install by CMB	Furnish by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
RB01	1	X			Air Compressor	TBD										Built in or portable?	
RB02	1		X		Mechatronics Trainer	SMC MAS200		-	-	-	120?	-	X	-	X	REQ USER INPUT	EXISTING - CONFIRM
RB03	1		X		Industrial Arm Robot	FANUC		-	-	-	120	-	X	-	X		EXISTING - CONFIRM
RB04	1		X		Delta Robot	FANUC M-11A		-	-	-	120	-	X	-	X		EXISTING - CONFIRM
RB05	1		X		Educational Robot w/Controller and Gripper	YASKAWA MHJF STEM ROBOTICS PACKAGE		-	-	-	200/2...	1or 3	X	-	X		EXISTING - CONFIRM
RB06	6		X		Portable Cobot Robotic Arm	UNIVERSAL UR3		-	-	-	100-240	-	-	-	X		NEW
RB07	1		X		Water Jet Cutter	OMAX PROTONMAX		-	30	-	240	-	-	-	X		Tank or Drain
RB08	1		X		Band Saw	JET JWB5-14DXPRO		-	-	1	115/2...	1	-	-	-		4" Dust Port
RB09	1		X		Drill Press	JET JDP-17		-	6.8	3/4	115	1	-	-	-		NEW
RB10	1		X		Scroll Saw w/Foot Pedal	JET JWS5-22B		-	1.3	-	120	-	-	-	-		NEW
RB11	1		X		Belt/Disc Sander	JET JSG-6CS		-	-	1.5	115/2...	1	-	-	-		NEW
RB12	1		X		Grinder with Pedestal	DEWALT DW758/JET WIL577172		-	-	3/4	115	-	-	-	-		NEW
RB13	1		X		ShopVac w/HEPA Filter	DEWALT		-	-	-	115	-	-	-	-		NEW
RB14	1		X		CNC Cart	LEVIL WL-400		-	15	2	110	1	-	-	X		EXISTING - CONFIRM
RB15	1		X		NASA Simulator			-	-	-	110?	-	-	-	-		EXISTING - CONFIRM
RB16	3		X		Pinball Machines			-	-	-	110?	-	-	-	-		EXISTING - CONFIRM
RB17	4		X		3d Printers			-	-	-	110	-	-	-	-		EXISTING - CONFIRM
RB18	1		X		Training Boards	SMC		-	-	-	110	-	X	-	-		EXISTING - CONFIRM
RB19	4		X		Trainers	Amatrol		-	-	-	110	-	X	-	-		EXISTING - CONFIRM
RB20	4#		X		Workbenches w/Storage			-	-	-	-	-	-	-	-		New
RB21	1		X		Wire Spool Rack			-	-	-	-	-	-	-	-		NEW
RB22	9		X		Tall Metal Storage			-	-	-	-	-	-	-	-		EXISTING - CONFIRM
RB23	2		X		Flammable Cabinets			-	-	-	-	-	-	-	-		EXISTING - CONFIRM
RB24	#		X		Soldering Stations			-	-	-	-	-	-	-	-		EXISTING - CONFIRM
RB25	3		X		Rolling Tool Carts	Snap-On		-	-	-	-	-	-	-	-		EXISTING - CONFIRM



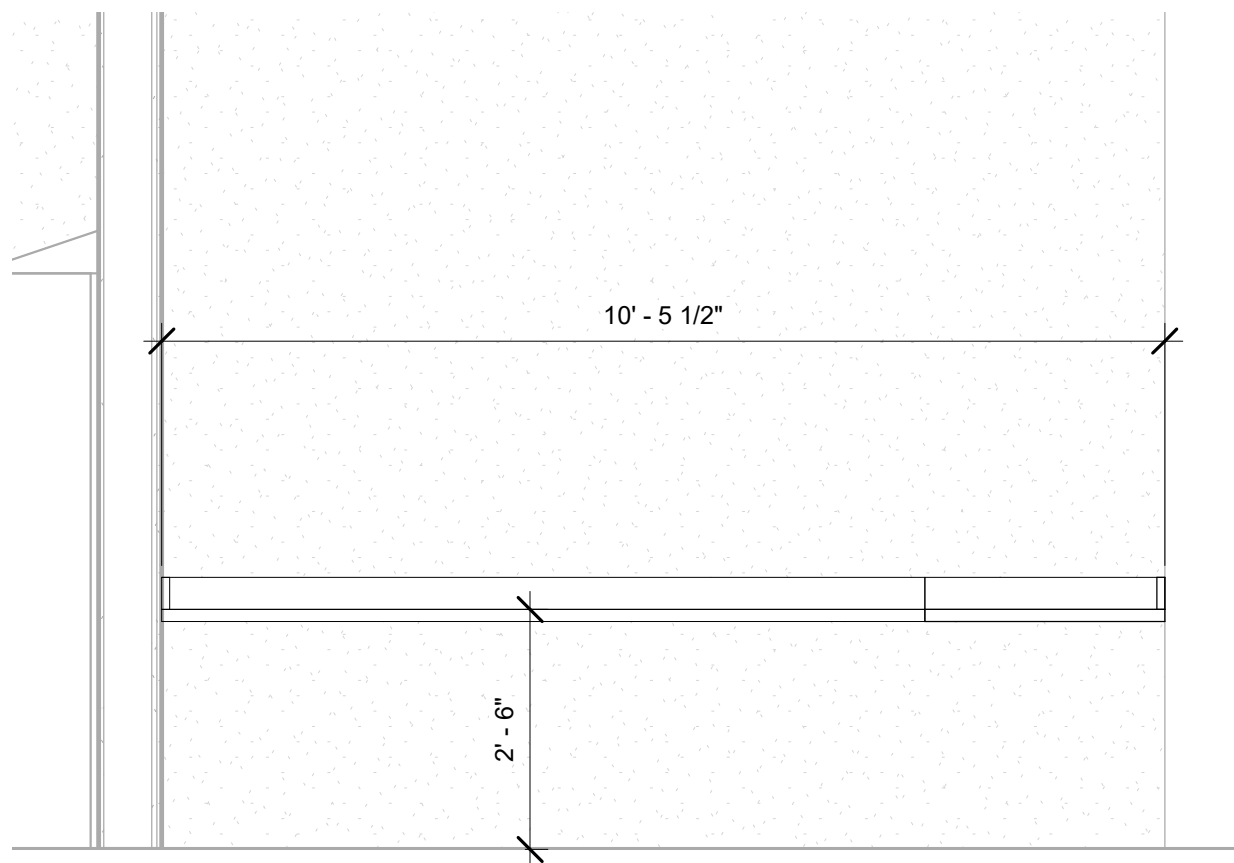
1 B369- Robotics- Office- East
1/2" = 1'-0"



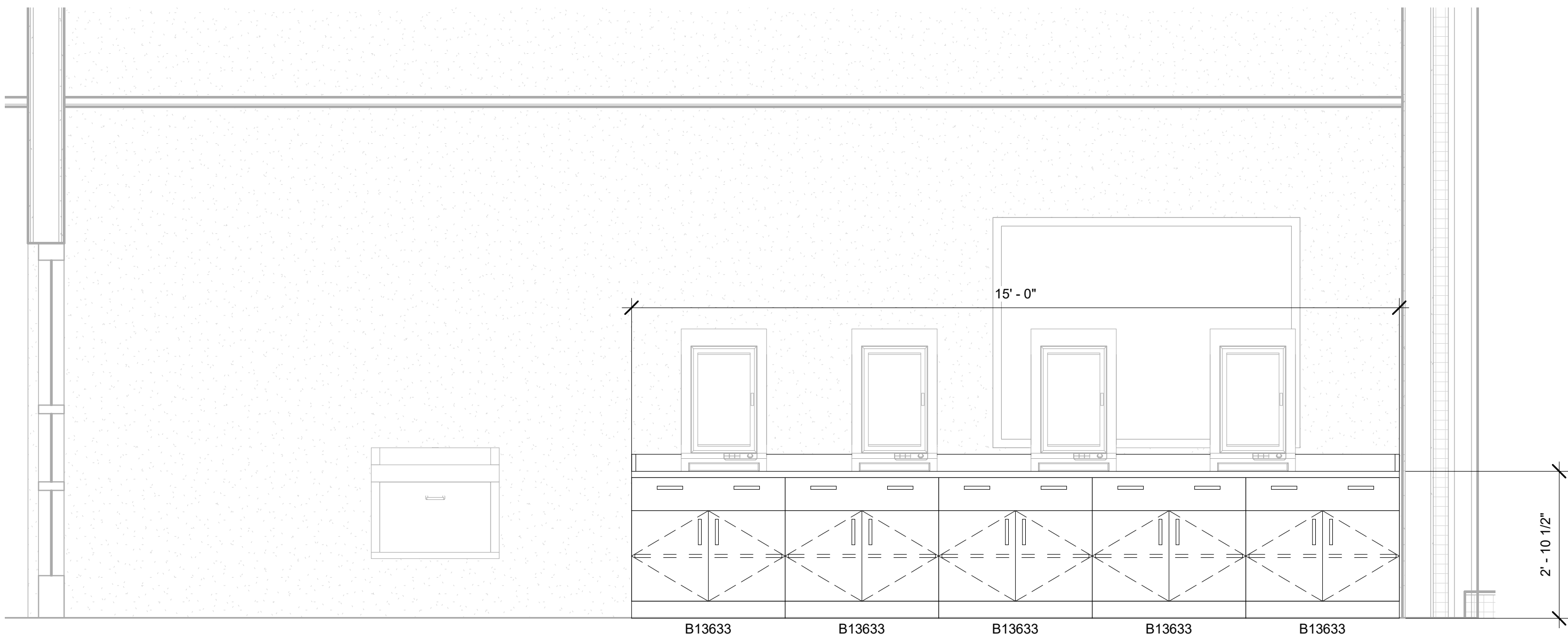
2 B369- Robotics- Office- North
1/2" = 1'-0"



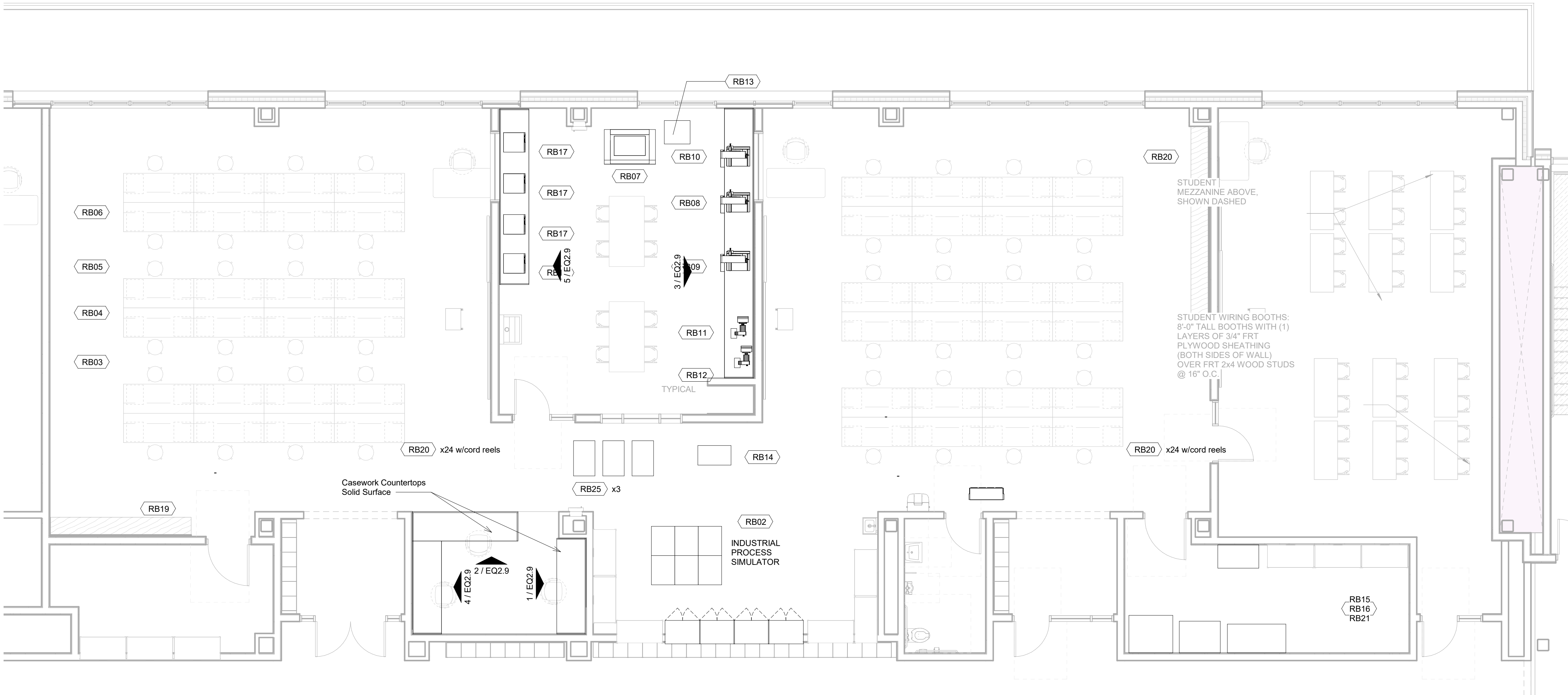
3 B368- Fabrication Lab- East
1/2" = 1'-0"



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



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



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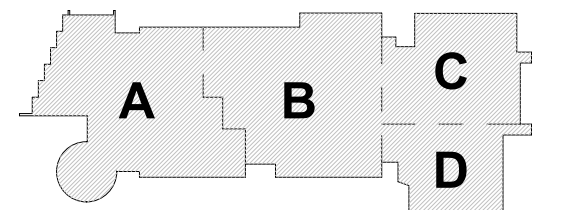
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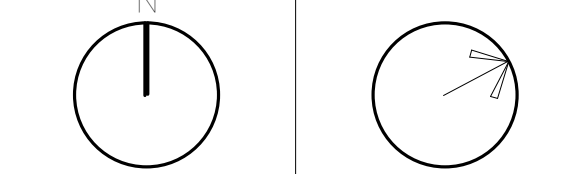
MSBA DESIGN
DEVELOPMENT
SUBMISSION

08/04/2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

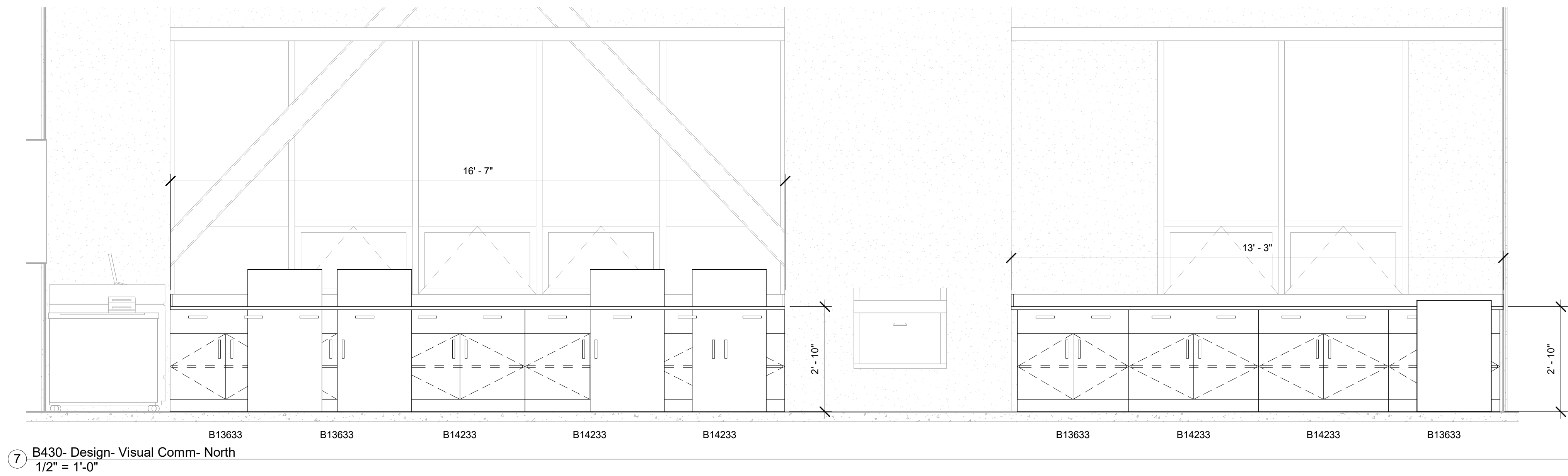


ROBOTICS
Casework &
Equipment

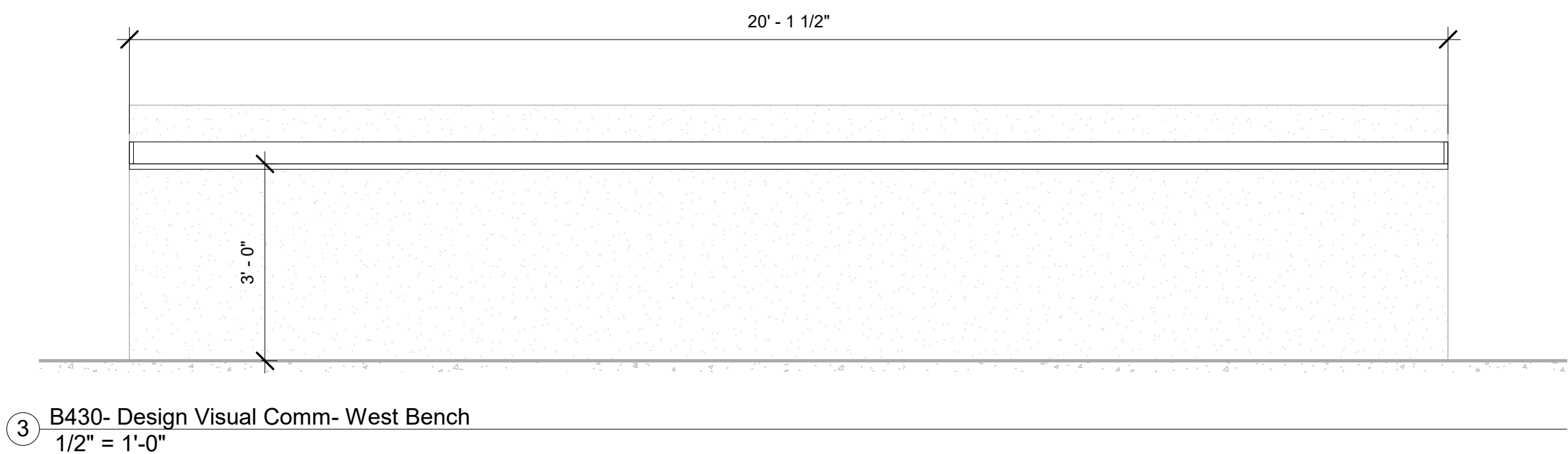
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Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ2.9

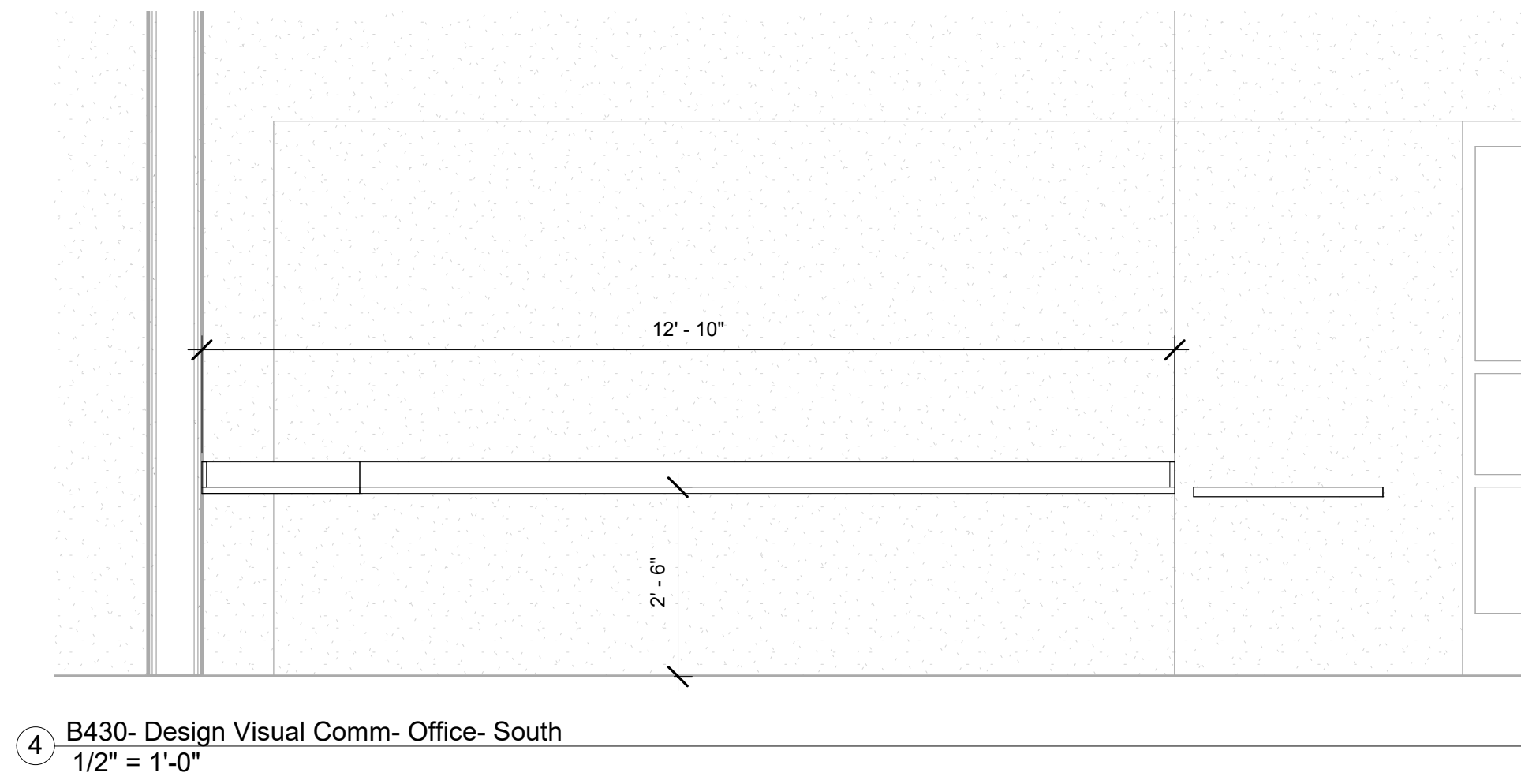
DVC - SCHEDULE																	
ITEM	QTY	Furnish and Install by...	Furnish by owner...	Furnish and Inst...	DESCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DV01	1		X		Large Digital Press	HP Indigo 3600		5800+					X		X	NEED MORE INFO	EXISTING-CONFIRM
DV02	1		X		Chiller	Lauda Ultracool		-			220/4...	1 OR 3				NEED MORE INFO	EXISTING-CONFIRM
DV03	1		X		Large Compressor	The Jenny		-	1-5		115/230	1				NEED MORE INFO	EXISTING-CONFIRM
DV04	1		X		Oil Recycler (Large Press)			-								NEED MORE INFO	EXISTING-CONFIRM
DV05	1		X		Paper Cutter	Prism			21.5	-	220	3	-	-	X		EXISTING-CONFIRM
DV06	1		X		Plotter	HP Design Jet Z2100			2	-	100-2...	1	-	-	X		EXISTING-CONFIRM
DV07	8		X		Photo Lighting				-	-	120		-	-			EXISTING-CONFIRM
DV08	1		X		Shrink Wrapper	Beseler			-	-	220	1	-	-	-		EXISTING-CONFIRM
DV15	80		X		Flat Files/Layout Space	Casework			-	-			-	-	-		CASEWORK
DV16	1		X		Small HP Printer				-	-	120		-	-	X		EXISTING-CONFIRM
DV17	1		X		Small Xerox	c400			-	-	120		-	-	X		EXISTING-CONFIRM
DV18	1		X		Canon MFP	Imagerunner Advance			9.5	-	120		-	-	X		EXISTING-CONFIRM
DV19	1		X		Rotary Numbering Machine	Standard SRN-9X			9.5	-	220/2...		-	-	-		EXISTING-CONFIRM
DV20	2		X		Comb Binding Machine	CombMac EX			-	-	120		-	-	-		EXISTING-CONFIRM
DV21	1		X		Hole Punch	Challenge			5.3	-	115	1	-	-	-		EXISTING-CONFIRM
DV22	1		X		Wire Stitcher	Interlake			-	-	115		-	-	-		EXISTING-CONFIRM
DV23	1		X		Paper Folder	Baum 714 XE			13	-	115		-	-	-		EXISTING-CONFIRM
DV24	1		X		Small laminator	GBC			-	-	120		-	-	-		EXISTING-CONFIRM
DV25	1		X		Printer	Konica Minolta AccurioPress 6100			-	-	208		-	-	X	EXISTING-CONFIRM...	
DV26	1		X		Envelope Press	OKI pro900DP			-	-	120	1	-	-	X	EXISTING-CONFIRM	
DV27	1		X		Cutting Table				-	-	-		-	-	-		
DV28	1		X		Roland Large Format Printer	Roland VersaCamm VS-540			-	-	120		-	-	X		EXISTING-CONFIRM
DV29	1		X		Vinyl Cutter	Graphtec CES5000-600			8	-	100-2...		-	-	X		EXISTING-CONFIRM
DV30	1		X		Photo Printer	Epson			-	-	120		-	-	X		EXISTING-CONFIRM
DV31	#		X		Light Table				-	-	120		-	-	-		PORTABLE/TABLETOP - CONFIRM
DV32	2		X		11x17 Printer				-	-	120		-	-	X		NEW
DV33	1		X		DTG Printer				1.2	-	110-2...		-	-	X		NEW
DV34	1		X		Padding Press				-	-	-		-	-	-		EXISTING-CONFIRM
DV35	1		X		Roll Rack				-	-	-		-	-	-		EXISTING-CONFIRM
DV36	1		X		Paper Rack				-	-	-		-	-	-		EXISTING-CONFIRM



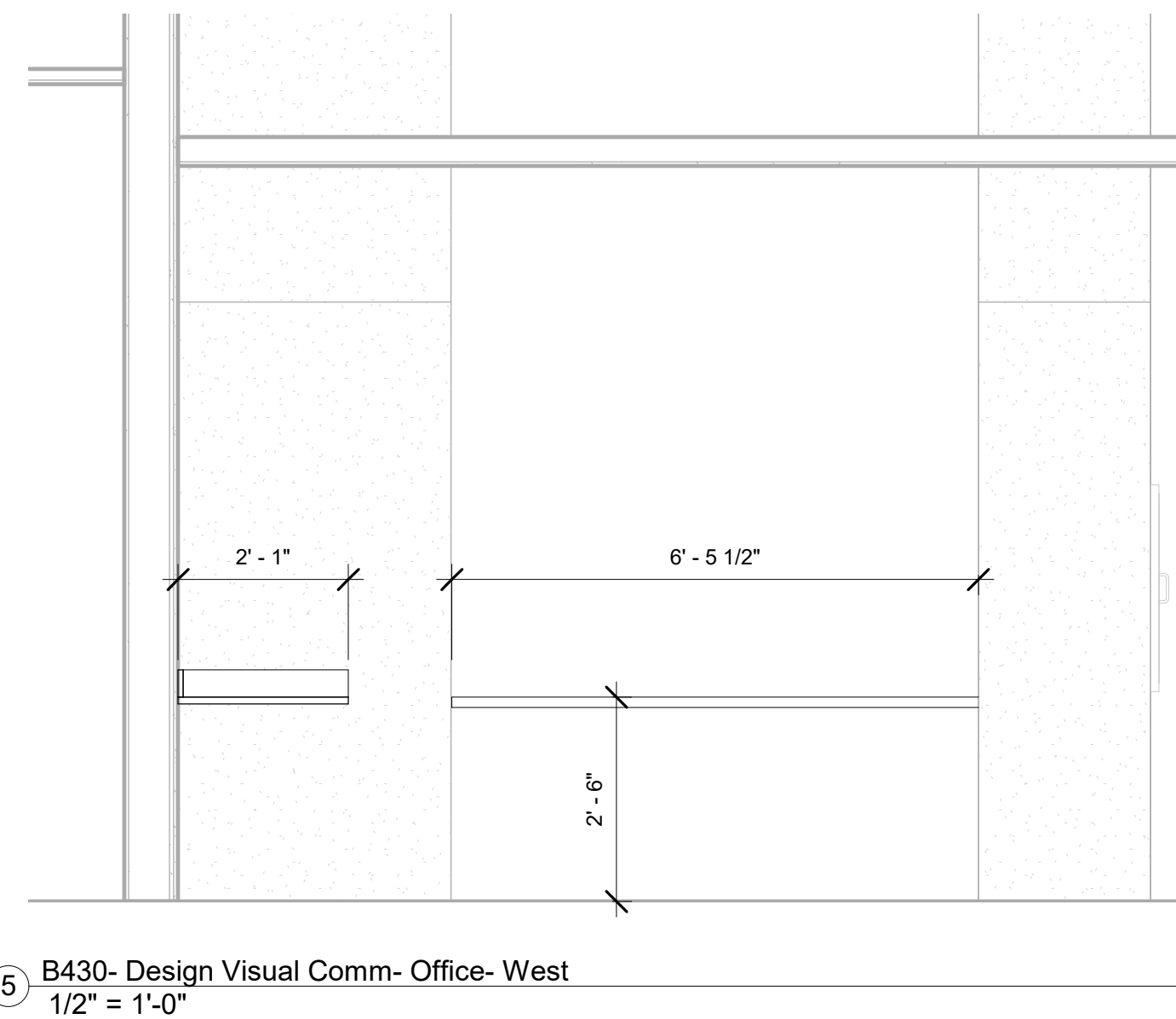
⑦ B430-Design-Visual Comm- North
1/2" = 1'-0"



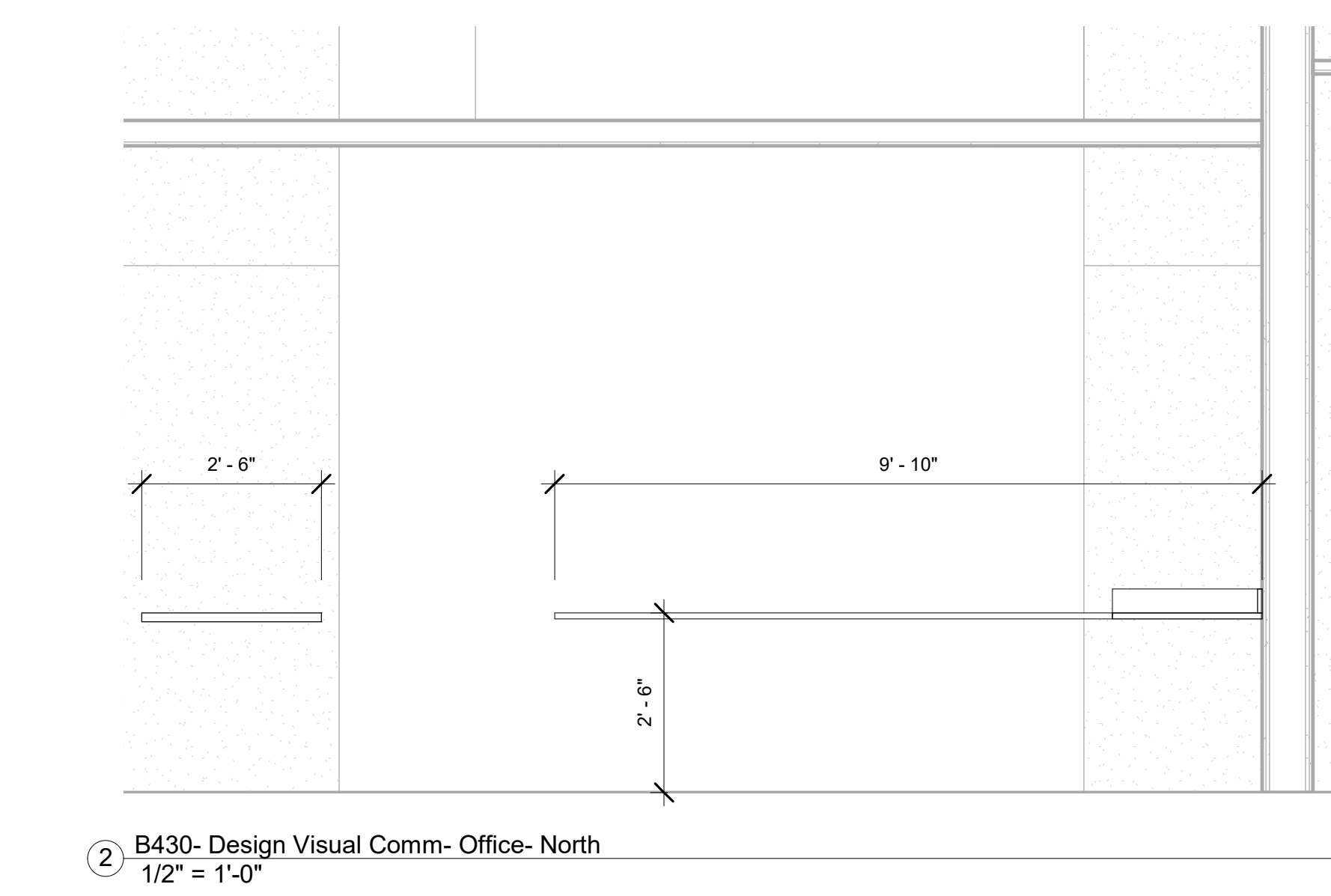
③ B430-Design Visual Comm- West Bench
1/2" = 1'-0"



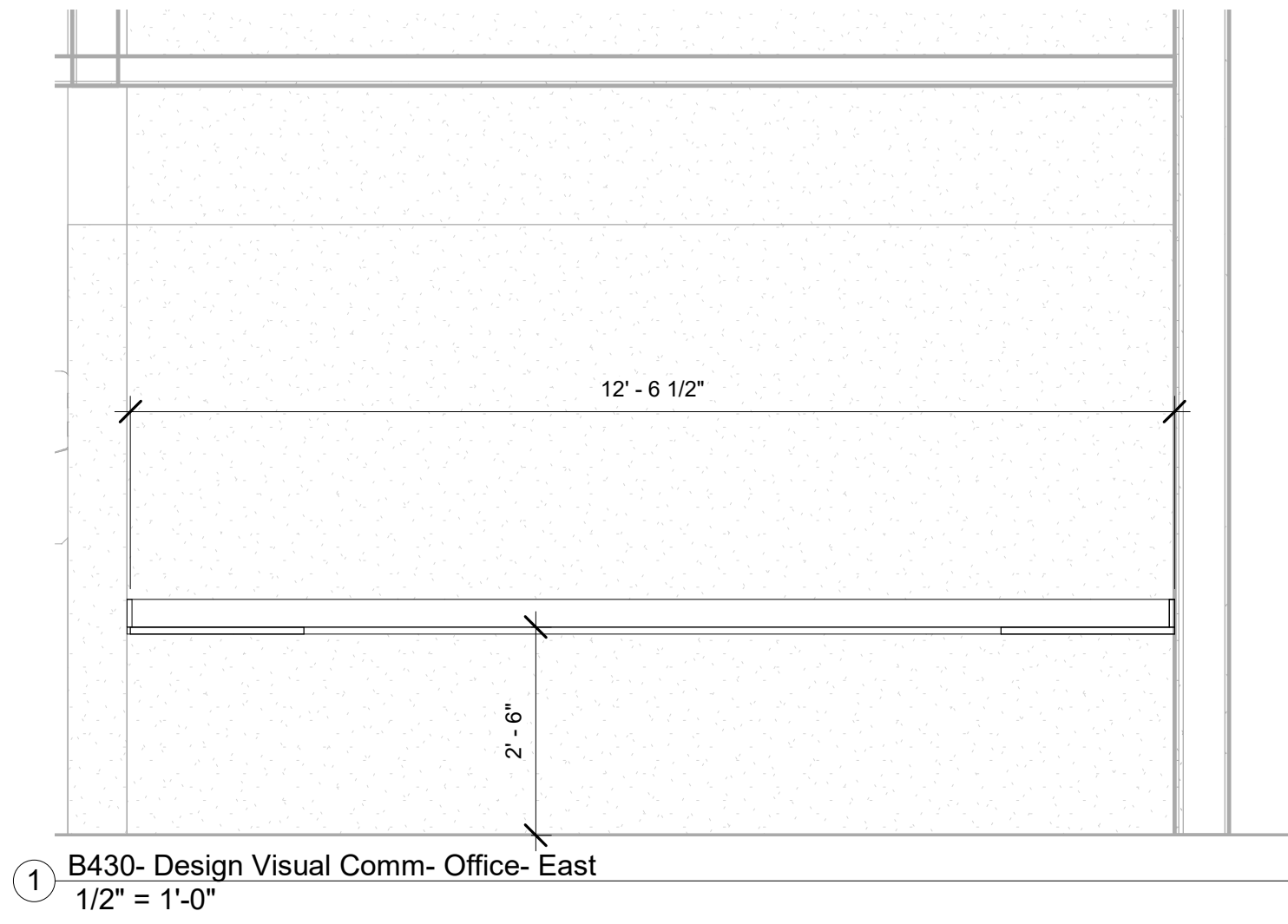
④ B430-Design Visual Comm- Office- South
1/2" = 1'-0"



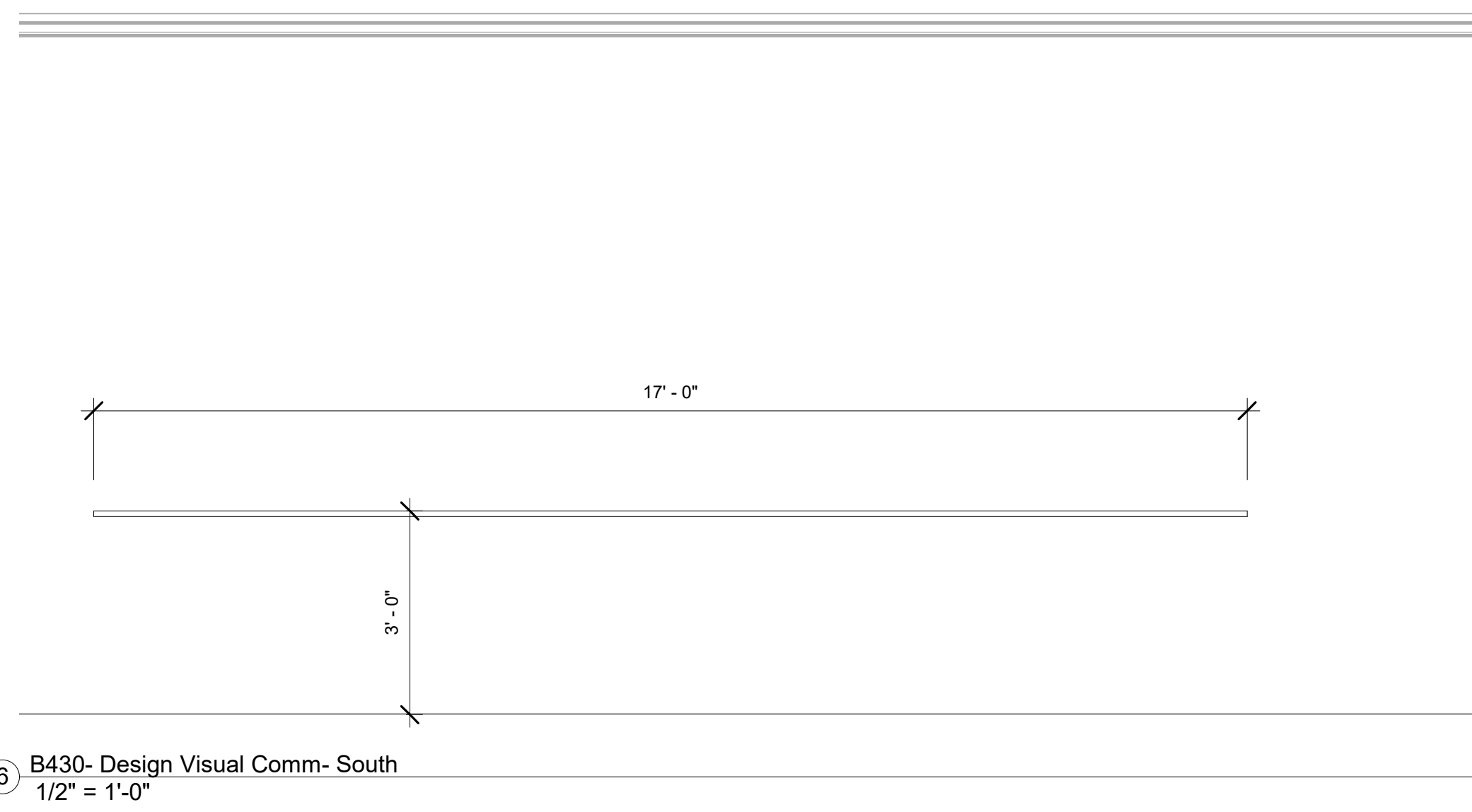
⑤ B430-Design Visual Comm- Office- West
1/2" = 1'-0"



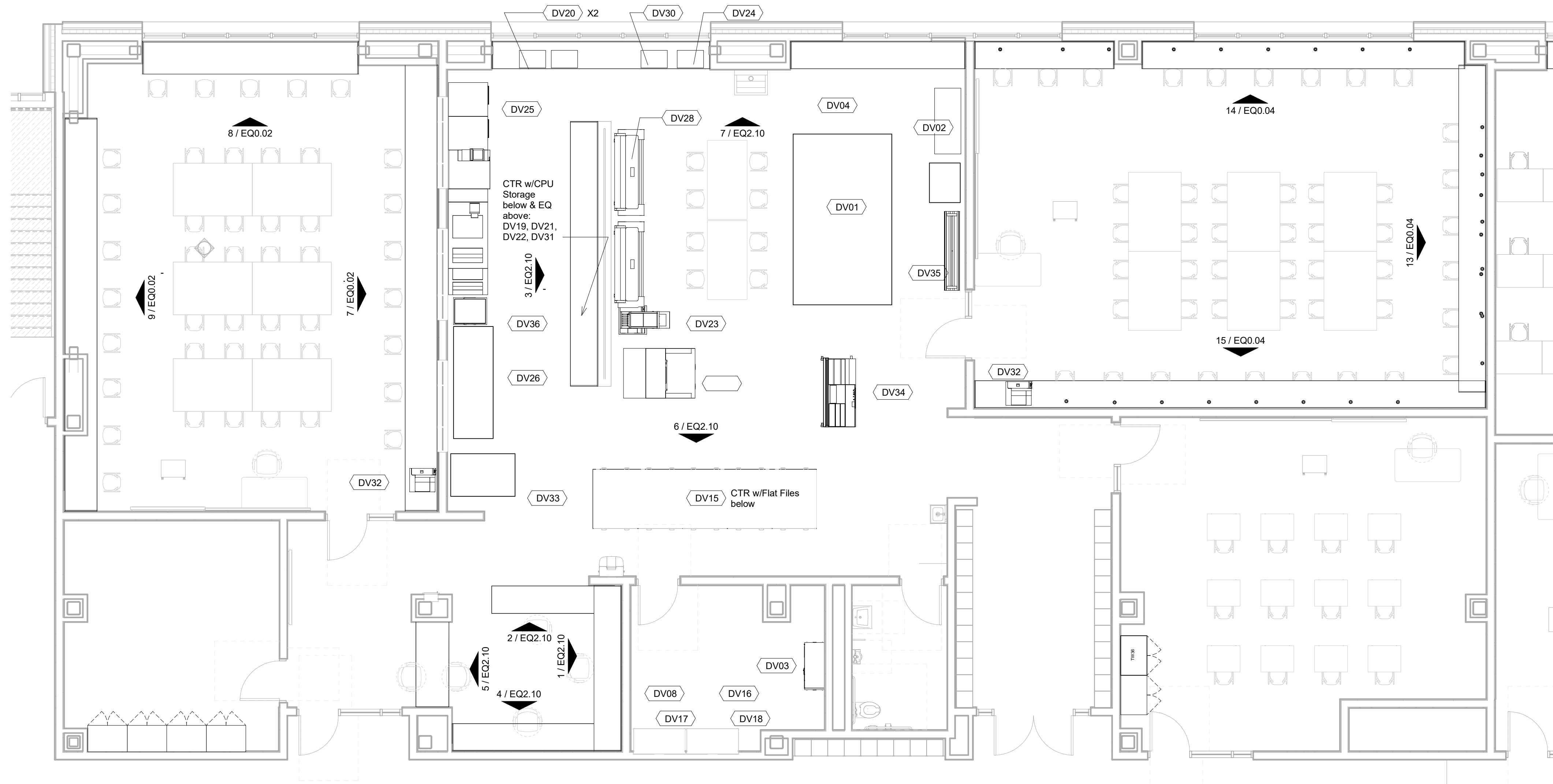
② B430-Design Visual Comm- Office- North
1/2" = 1'-0"



① B430-Design Visual Comm- Office- East
1/2" = 1'-0"



⑥ B430-Design Visual Comm- South
1/2" = 1'-0"



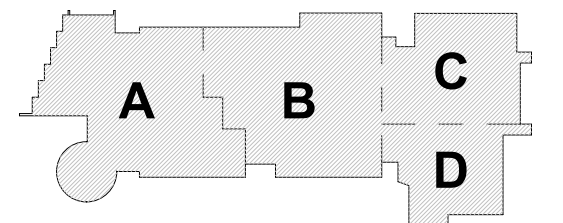
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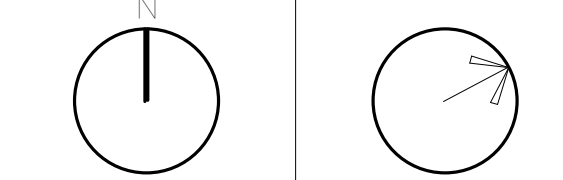
MSBA DESIGN
DEVELOPMENT
SUBMISSION

08/04/2022



KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

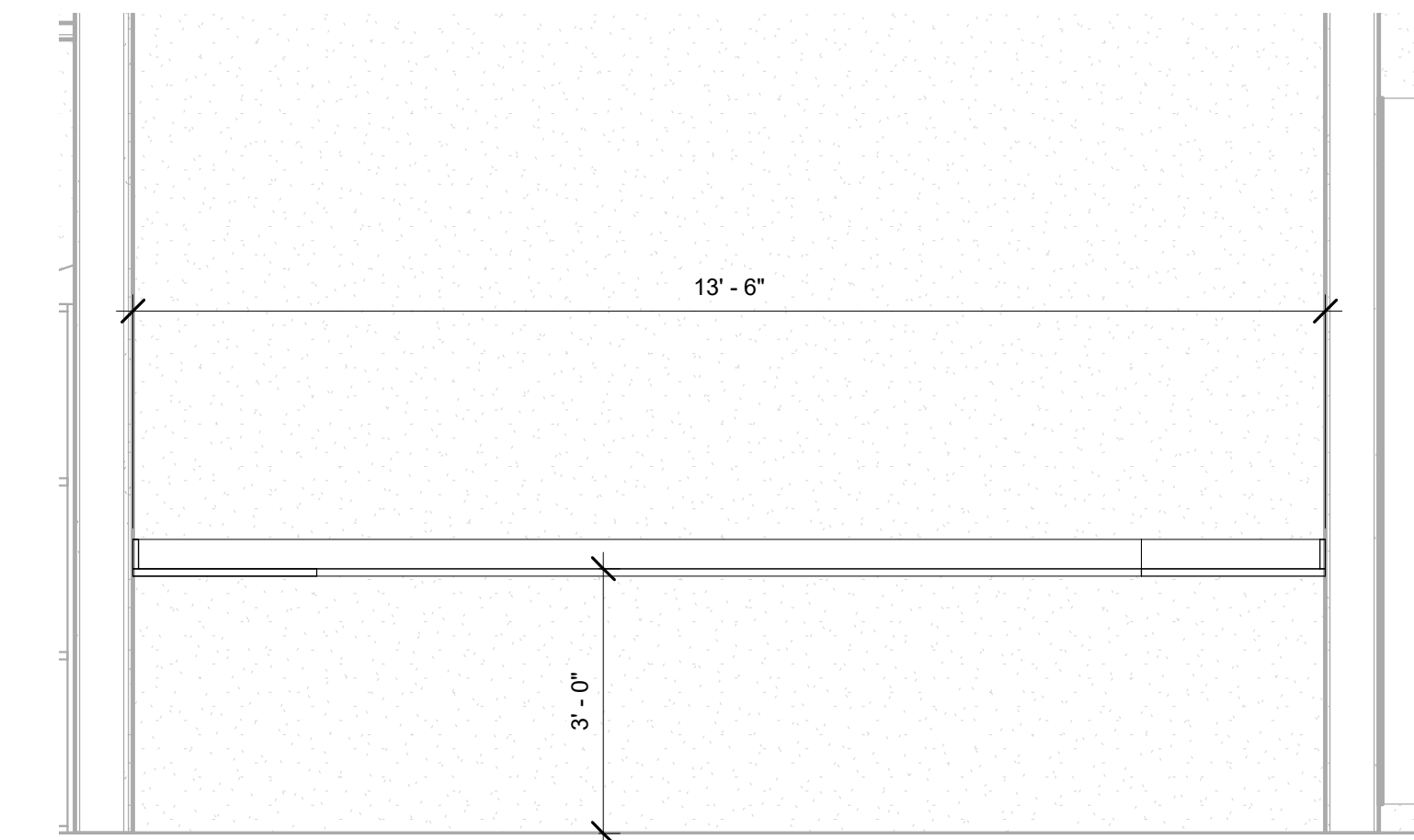


**DESIGN/VISUAL
COM Casework &
Equipment**

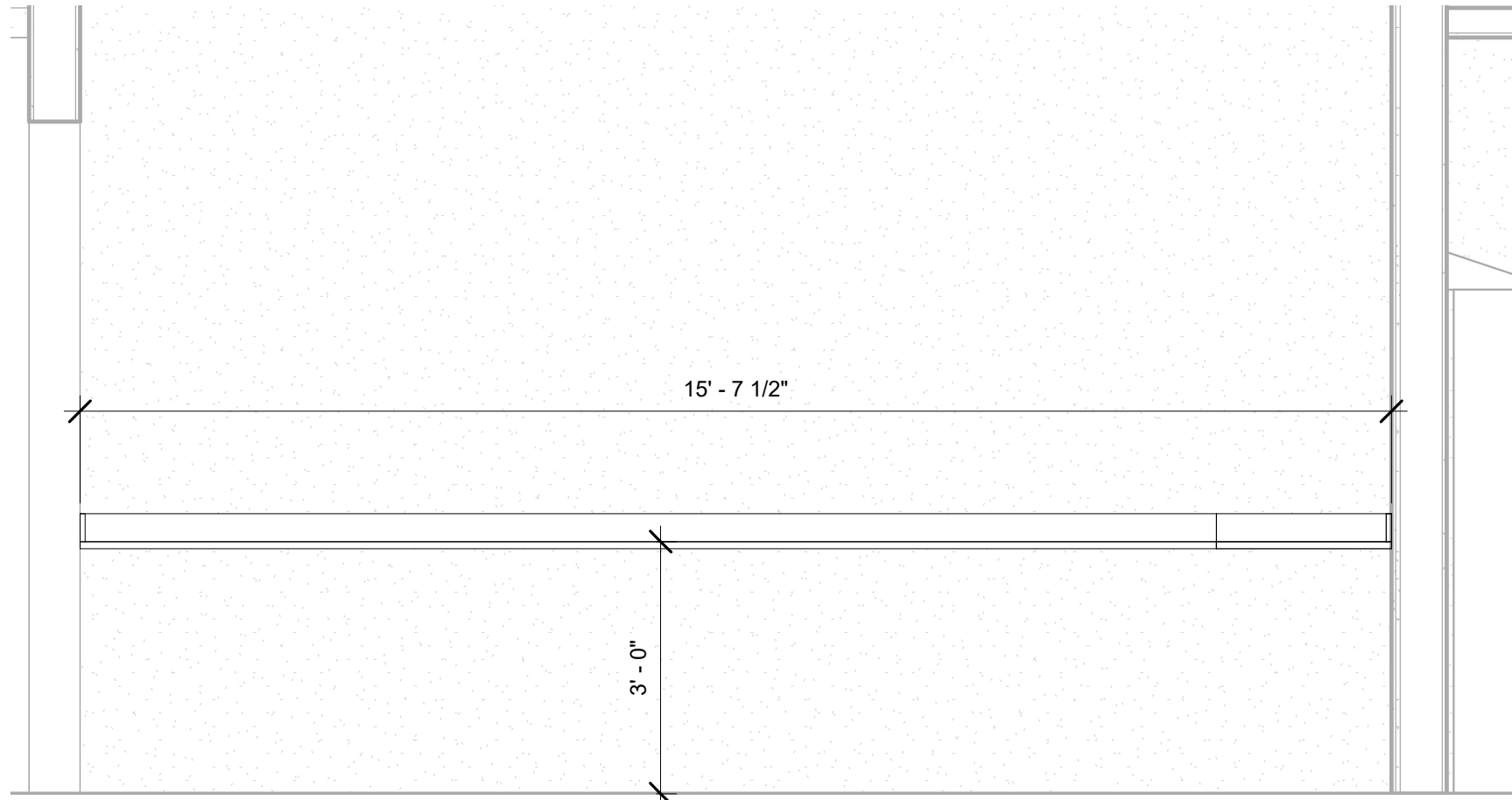
Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022
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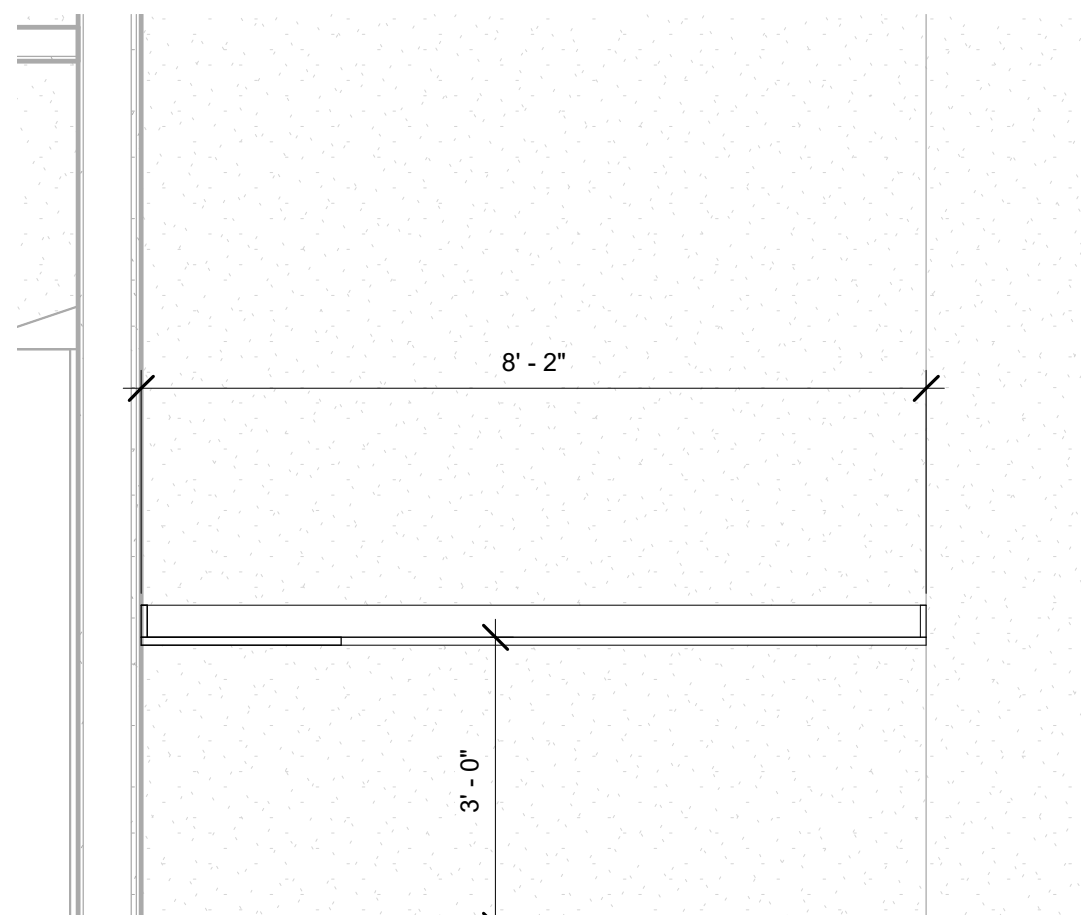
DRAFTING AND DESIGN - SCHEDULE																
ITEM	QTY	Furnish and Install by CMR	Furnish by owner, Install b... by Owner	DISCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
DD01	1		X	VR STUDIO	TBD - CPU/HEADSET/SPEAKERS		-	-	-	120	-	-	-	X	TBD	TECHNOLOGY
DD02	2		X	LASER ENGRAVER/CUTTER	EPILOG FUSION EDGE 36		-	-	-	110-2	1	-	-	X	REQ. EXHAUST 360 CFM - 4"	NEW - CONFIRM
DD03	1		X	LARGE FORMAT PRINTER	HP DESIGNJET Z6 POSTSCRIPT		-	2	-	100-2	-	-	-	X		NEW - CONFIRM
DD04	1		X	SOLVENT CLEANER	STRATASYS SCA-1200HT		-	15	-	120	-	-	-	-	LOCATE NEAR SINK	NEW-CONFIRM
DD05	2		X	3D PRINTER	STRATASYS F170		-	-	-	200-2	-	-	-	X		EXISTING - CONFIRM
DD06	48		X	CPU STATIONS			-	-	-	120	-	-	-	X	3 x Rows of 8 each Lab	NEW
DD07	1		X	MINI SKILL SAW			-	-	-	120	-	-	-	-		EXISTING - CONFIRM
DD08	2		X	11x17 Printer			-	-	-	120	-	-	-	X		NEW



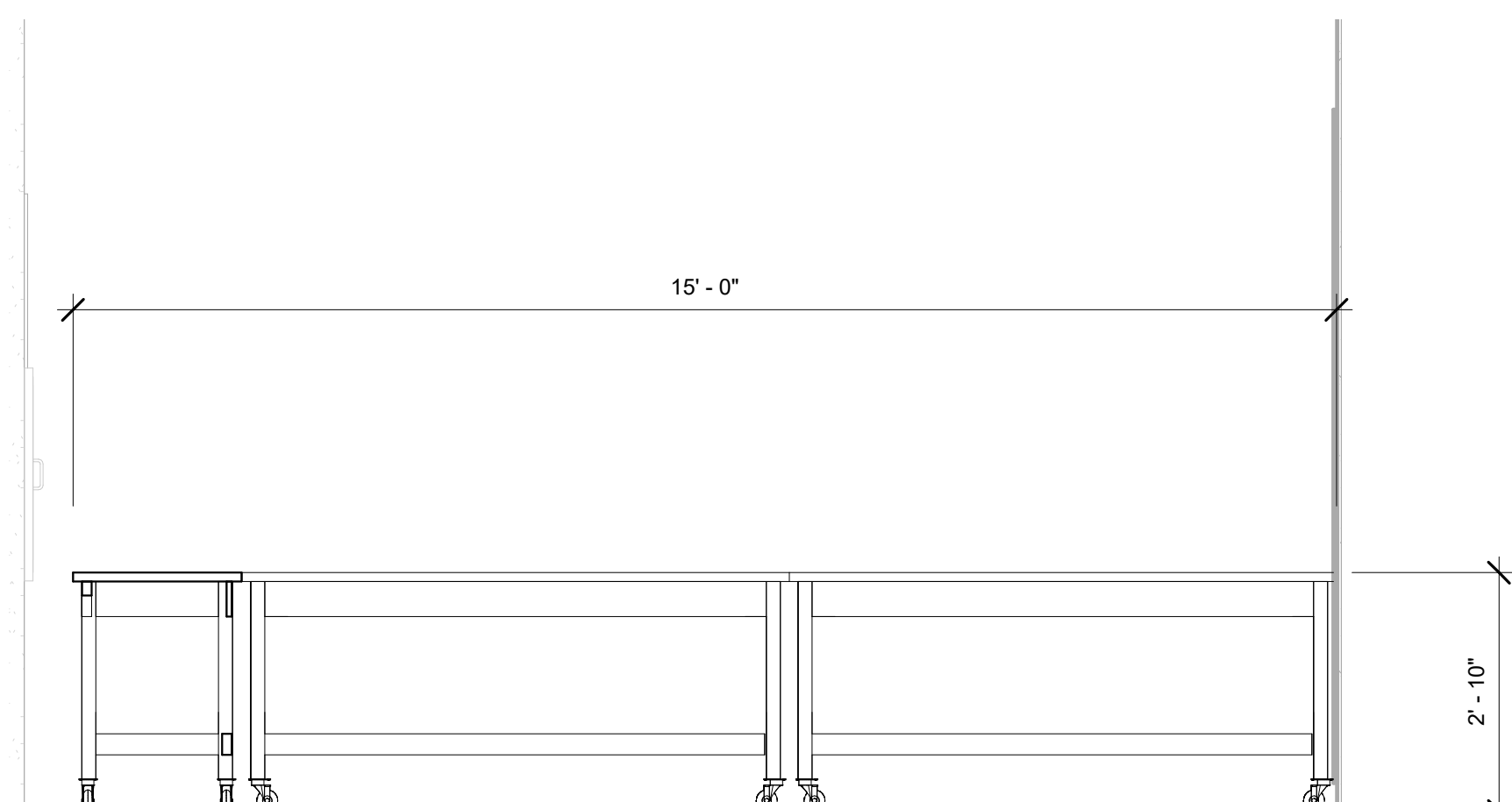
1 B201E- Drafting and Design- Office- South
1/2" = 1'-0"



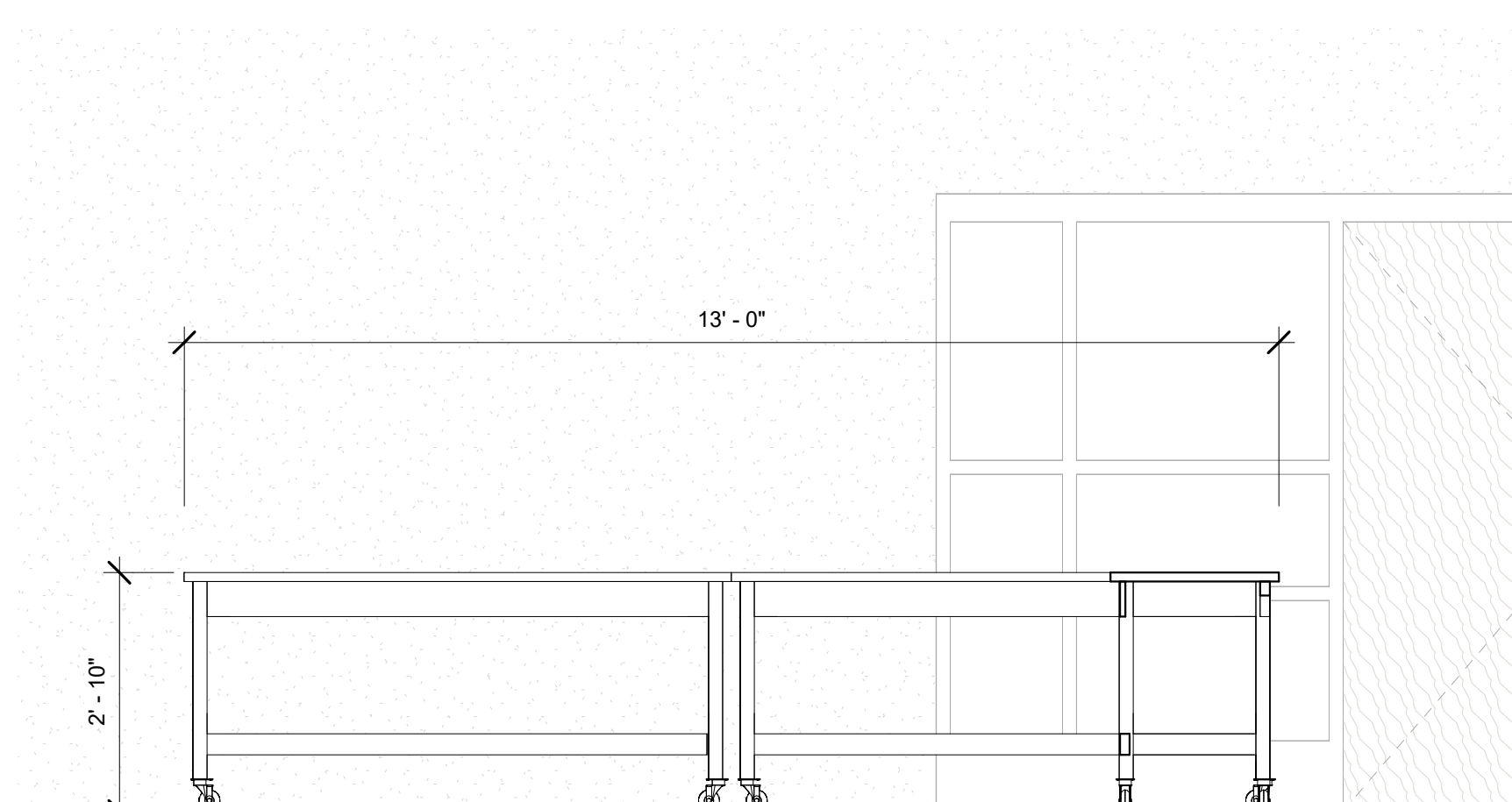
2 B201E- Drafting and Design- Office- East
1/2" = 1'-0"



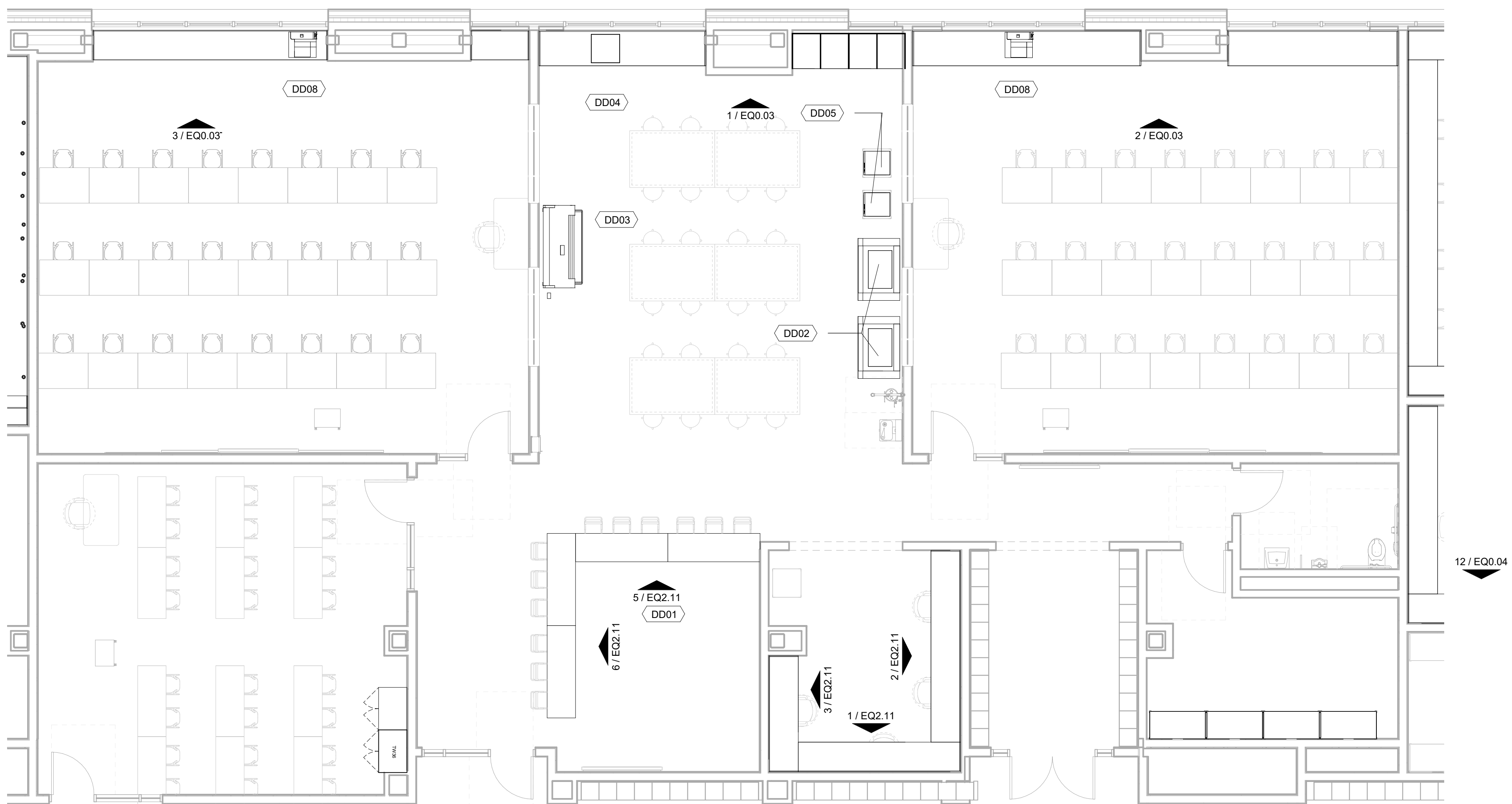
3 B201E- Drafting and Design- Office- West
1/2" = 1'-0"



5 B201- Drafting and Design- North2
1/2" = 1'-0"



6 B201- Drafting and Design- West
1/2" = 1'-0"



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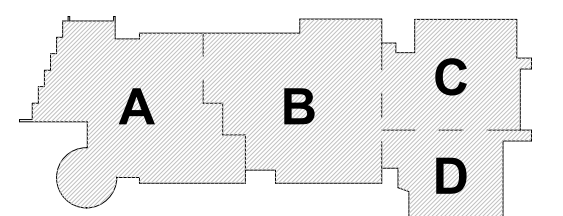
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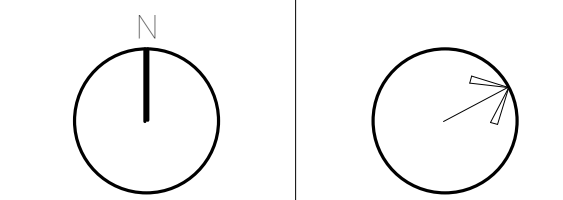
MSBA DESIGN
DEVELOPMENT
SUBMISSION

08/04/2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

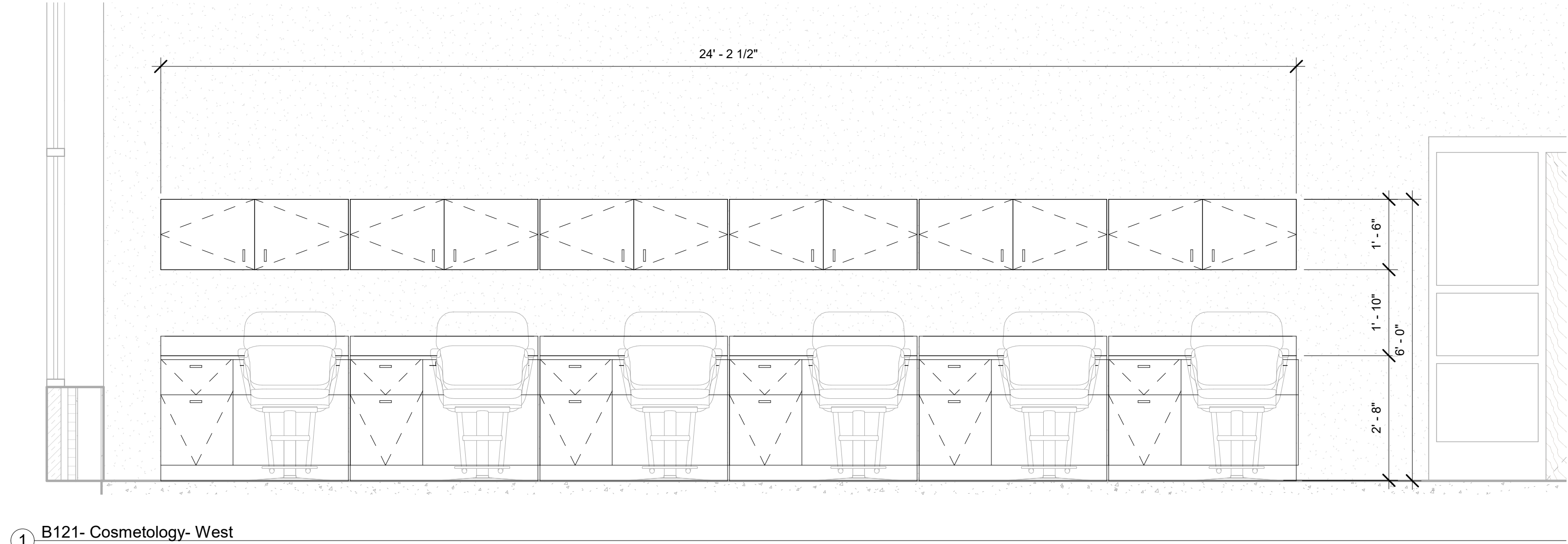


DRAFTING /
DESIGN
Casework &
Equipment

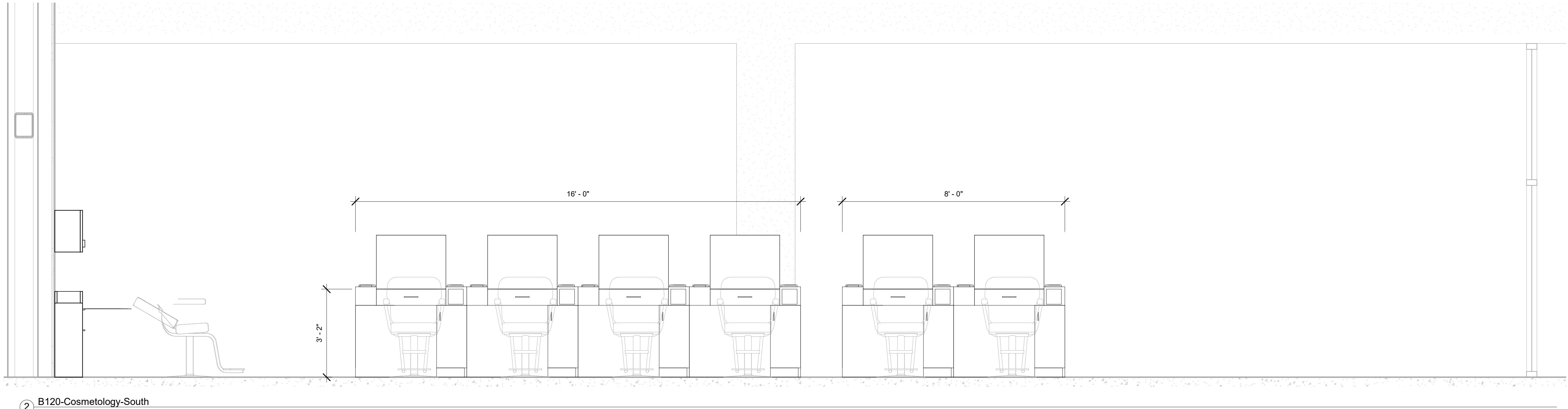
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Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

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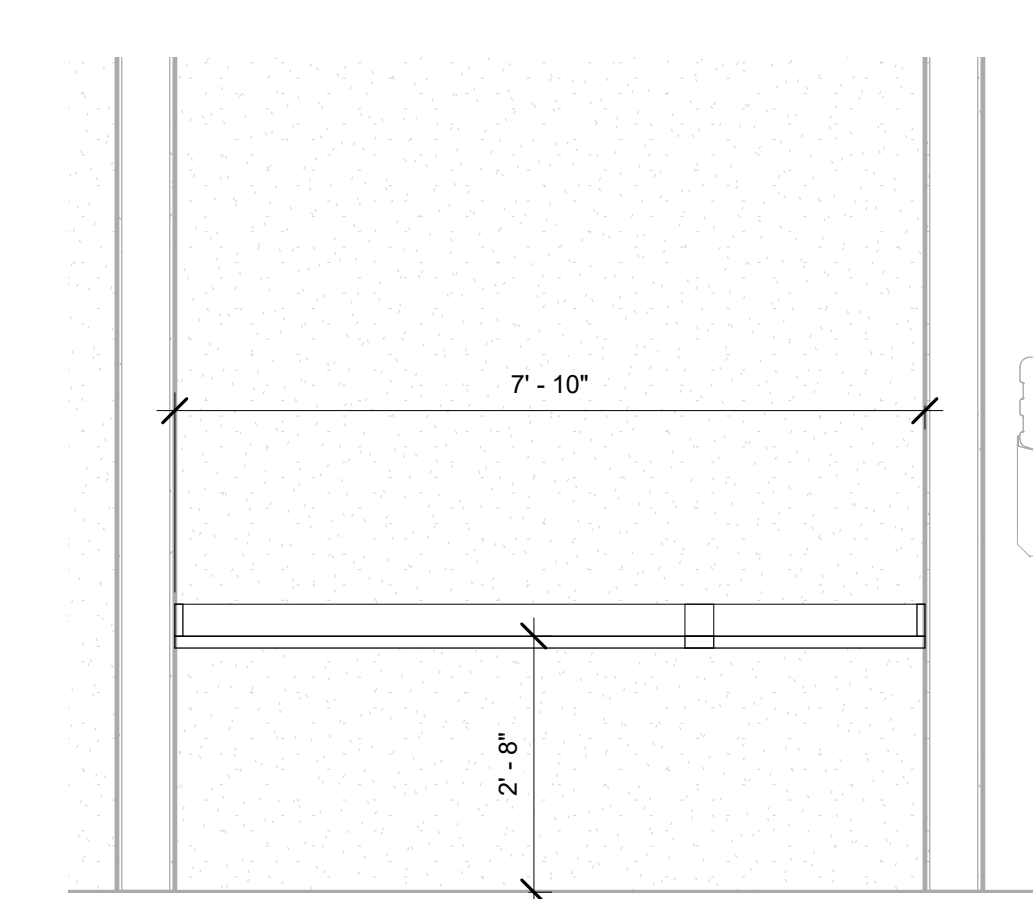
COSMETOLOGY - SCHEDULE													
ITEM	QTY	Furnish and Install by Owner	Furnish by Owner	DESCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water
CM01	1	X		Washer	TBD			20	-	120	-	-	HOT/COLD/DRAIN
CM02	1	X		Dryer	TBD			22	-	208	-	Vent	-
CM03	34		X	Double Sided Styling Stations	COLLINS CUSTOM			20	-	120	1	-	-
CM04	12		X	Shampoo Stations	SILHOUETTE BACKWASH SHUTTLE 918WS			-	-	-	-	-	HOT/COLD/DRAIN
CM05	10		X	Manicure Tables	AL INC. IMC VENTED DOUBLE MANICURE...			20	-	120	-	-	-
CM06	3		X	Pedicure Station	CONTINUUM ECHO SE (SPA EDITION)			5	-	120	-	-	HOT/COLD/DRAIN
CM07	48		X	Styling Chairs	COLLINS MFG 9100			-	-	-	-	-	-
CM08	2		X	Facial Beds	SKIN ACT PRO HYDRAULIC SPA BED			-	-	-	-	-	-
CM09	4		X	Wig Drying Cabinet	SUPER 9 ACCHR99			13	-	115	-	-	-
CM10	2		X	Towel Warmer	GARFIELD HC-82			1.8	-	100	-	-	-
CM11	2		X	Hair Dryer on Casters	MEREDITH MEI-1028			-	-	120	-	-	-
CM12	2		X	Fire Proof Cabinets				-	-	-	-	-	-
CM13	3		X	Head Stand				-	-	-	-	-	-
CM14	2		X	Rolling Curler Carts				-	-	-	-	-	-
CM15	24		X	Head clamps for benches				-	-	-	-	-	-
CM16	1		X	Dryer on Arm				-	-	120	-	-	-
CM17	#		X	Bins and Bin Storage				-	-	-	-	-	-
CM18	24		X	Stools				-	-	-	-	-	-
CM19	#		X	Foam heads				-	-	-	-	-	-
CM20	2		X	Portable Stations				-	-	-	-	-	-



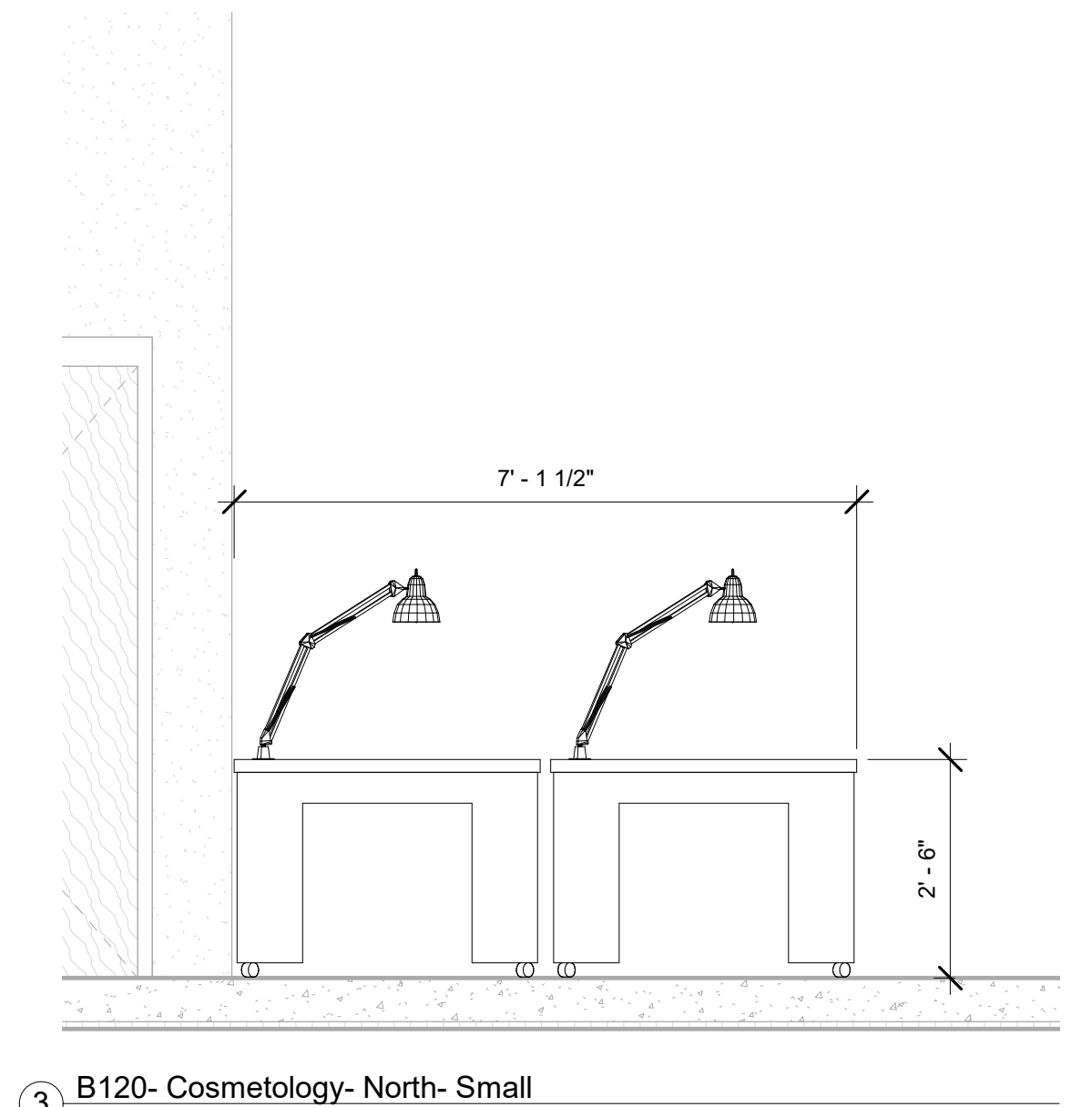
1 B121- Cosmetology- West
1/2" = 1'-0"



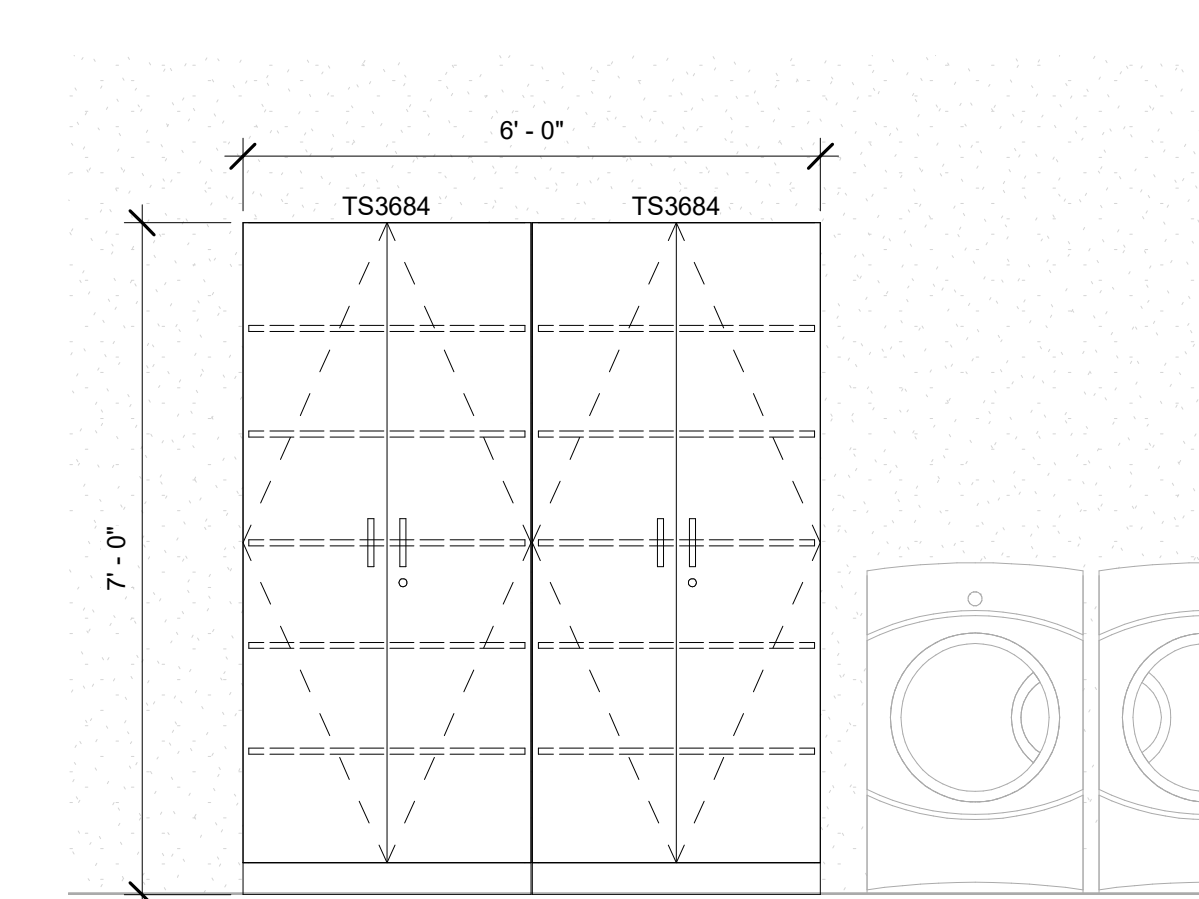
2 B120-Cosmetology-South
1/2" = 1'-0"



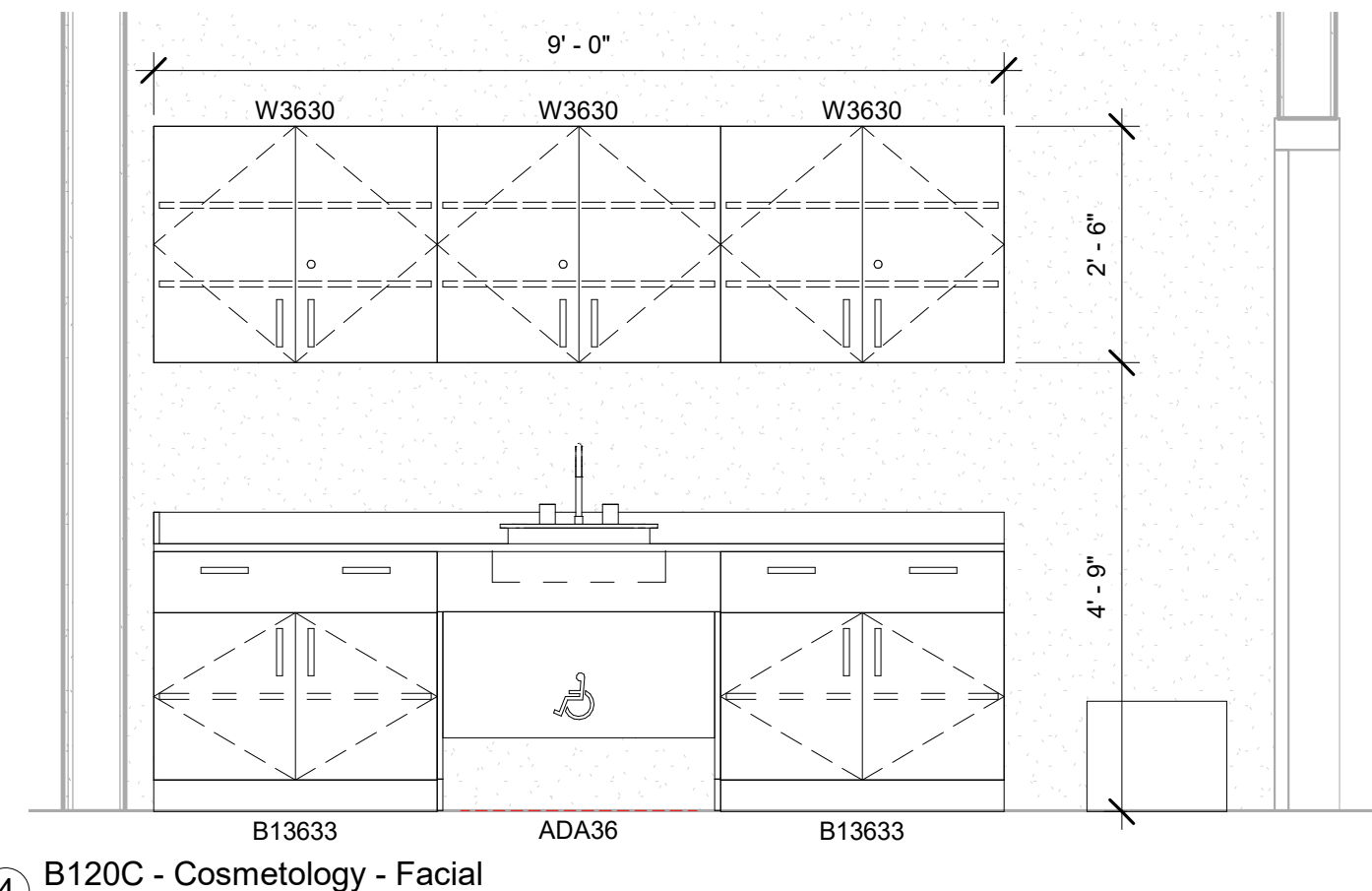
12 B121C- Office- East
1/2" = 1'-0"



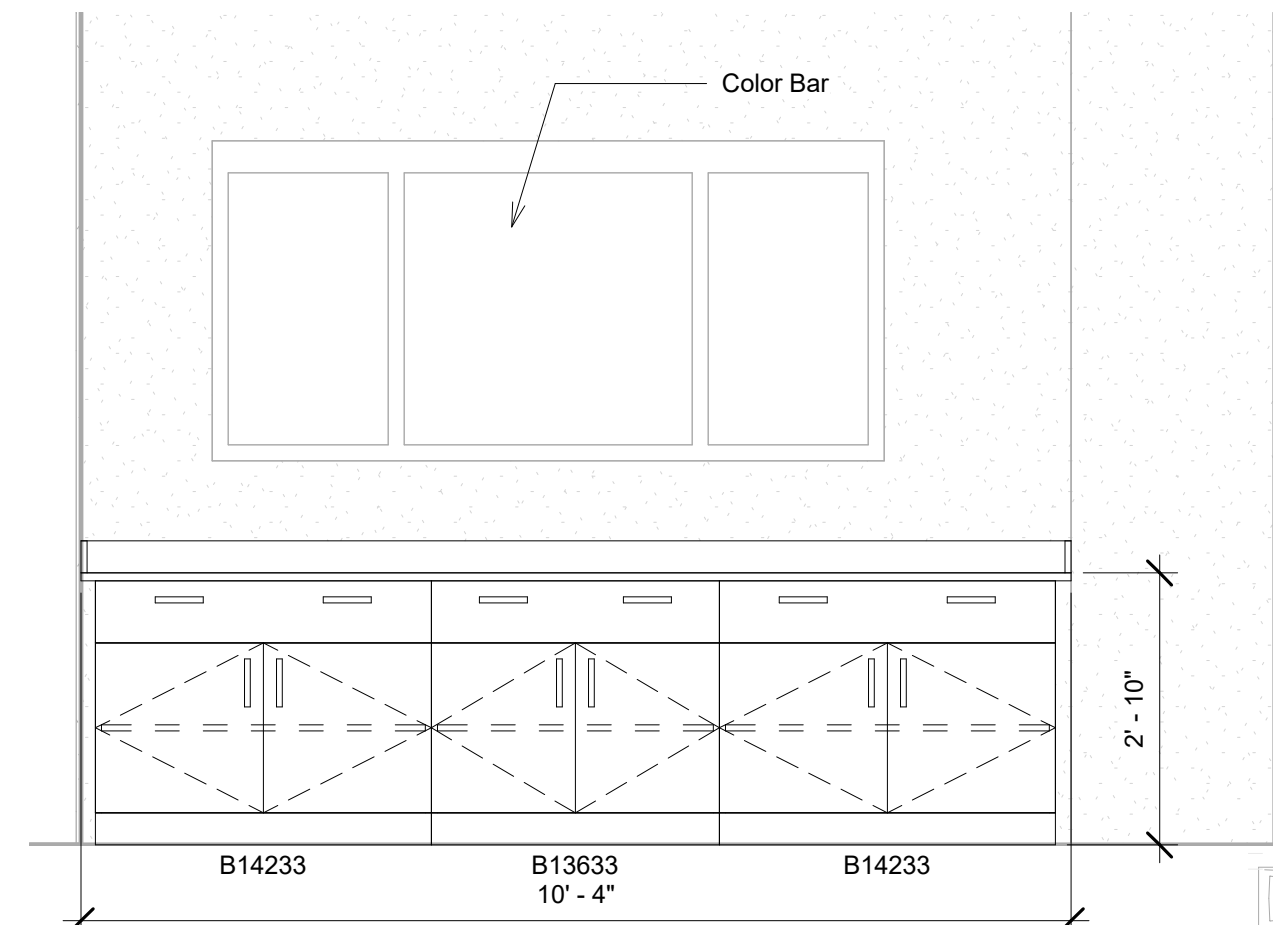
3 B120- Cosmetology- North- Small
1/2" = 1'-0"



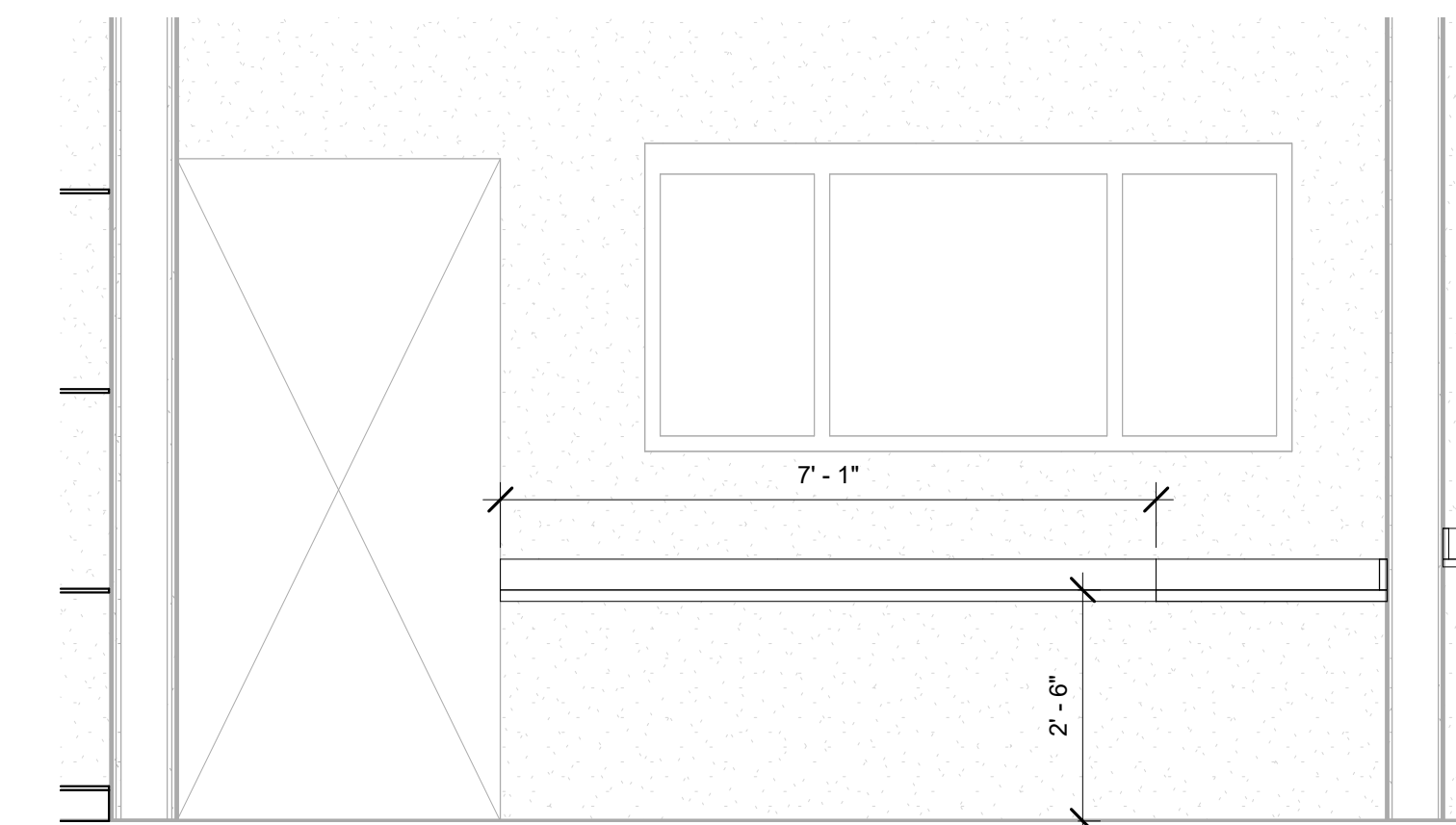
7 B120B - Cosmetology - Dispensary - North
1/2" = 1'-0"



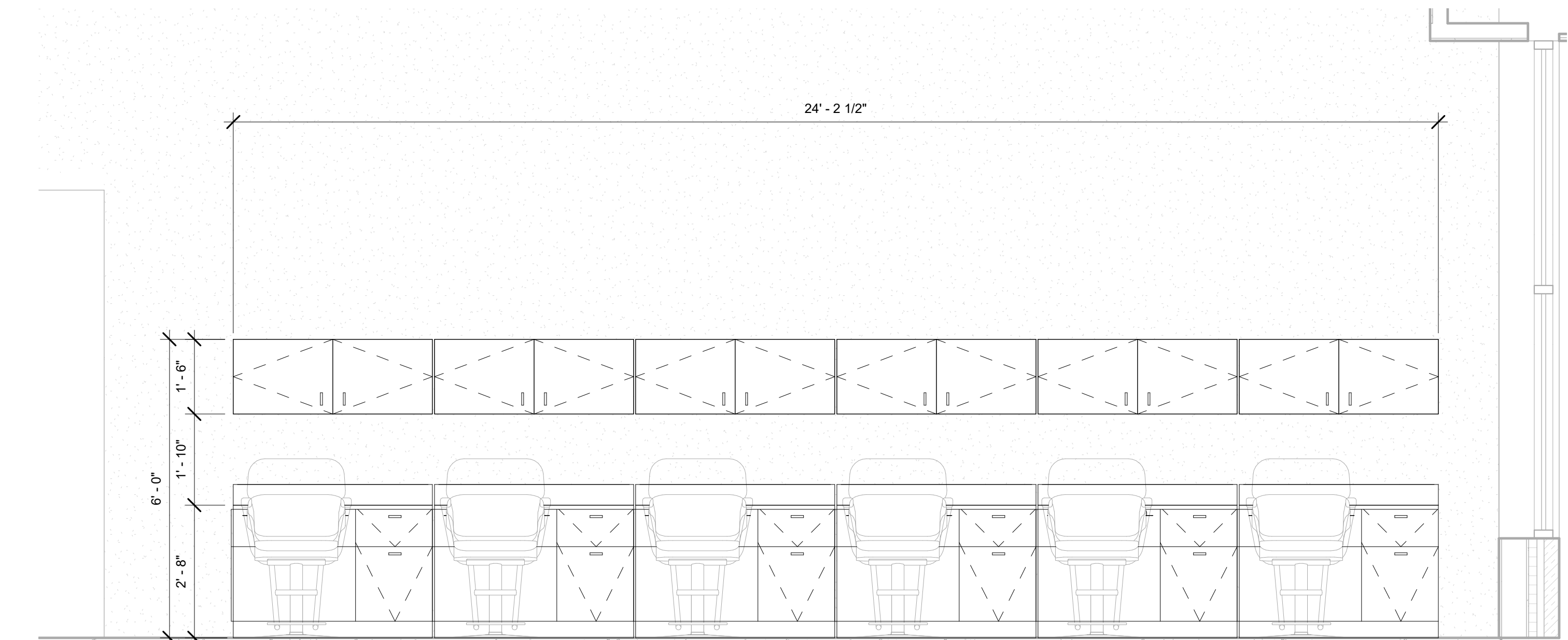
4 B120C - Cosmetology - Facial
1/2" = 1'-0"



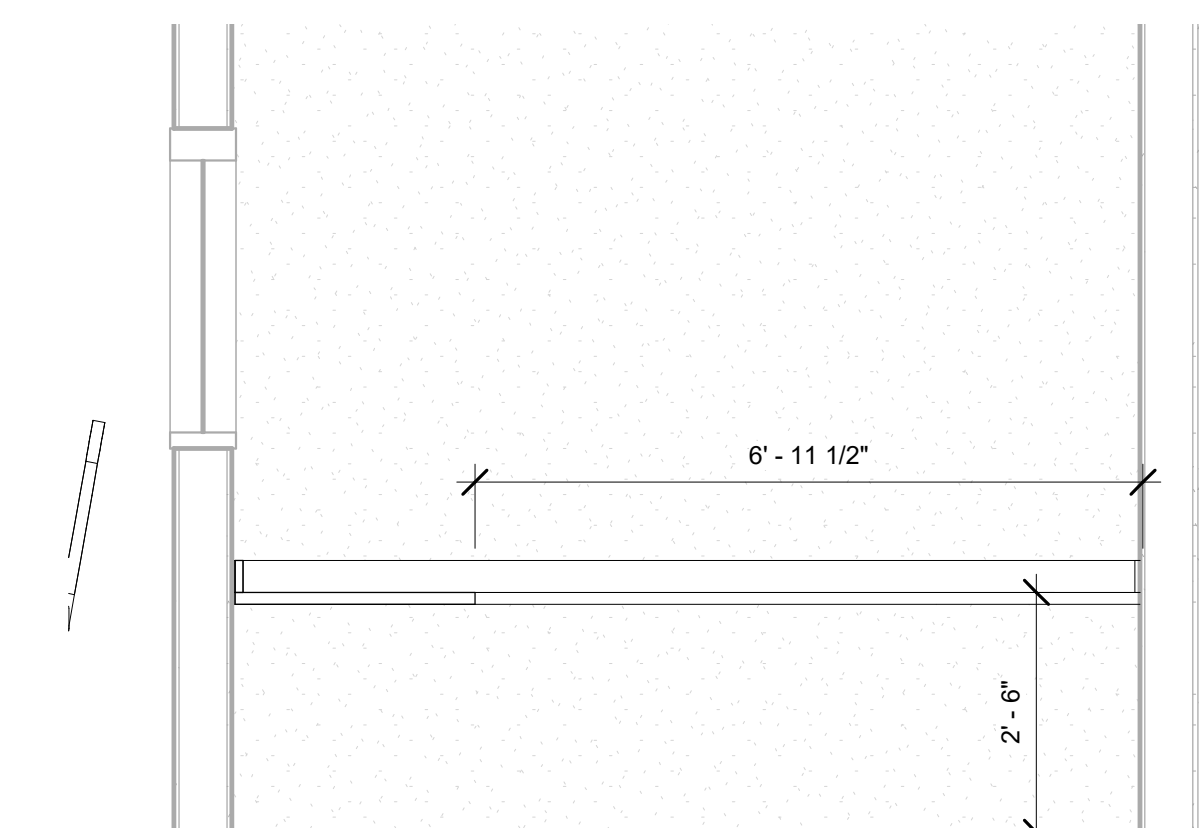
8 B120B - Cosmetology - Dispensary - South
1/2" = 1'-0"



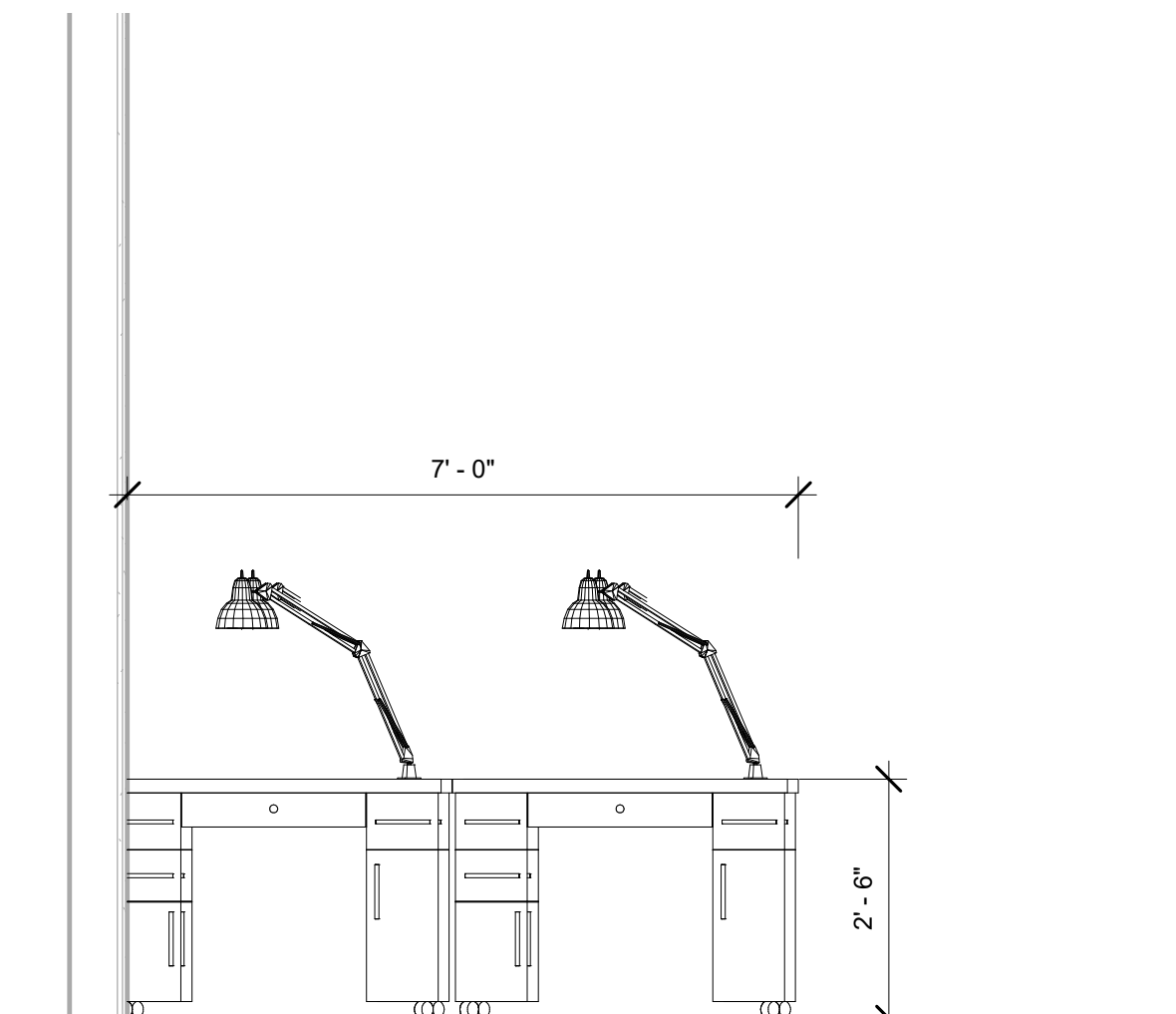
5 B120A - Cosmetology - Staff Office - South
1/2" = 1'-0"



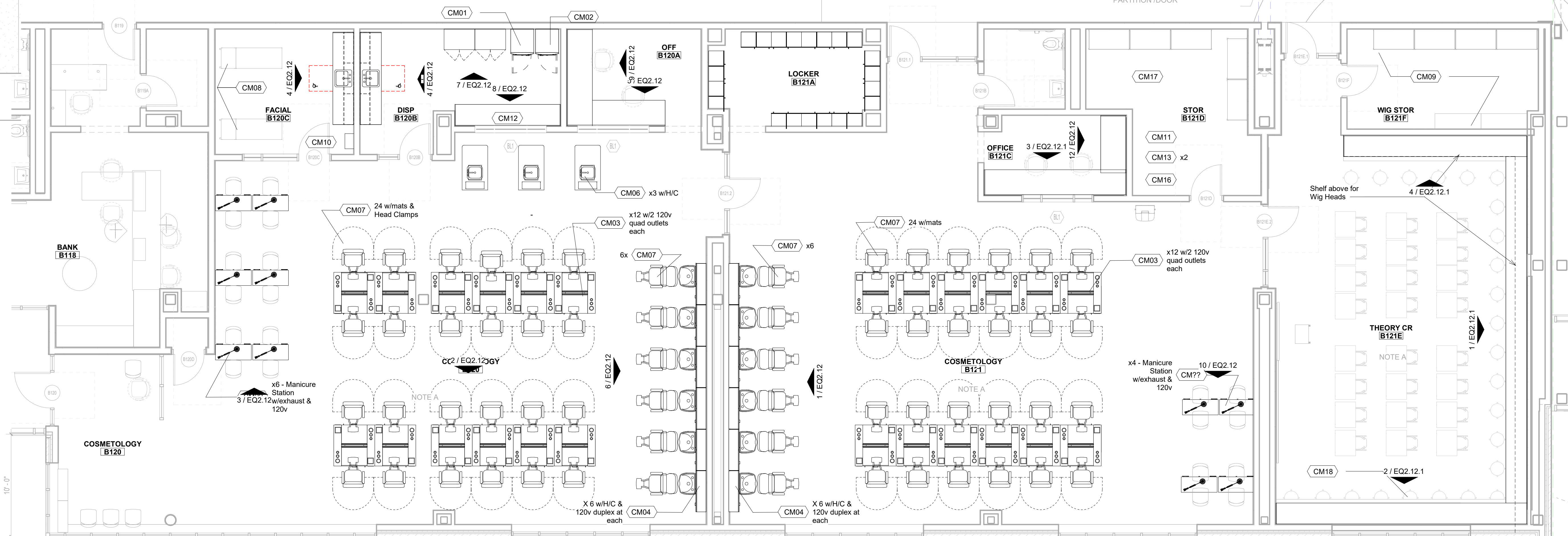
6 B120-Cosmetology- East
1/2" = 1'-0"



9 B120A - Cosmetology - Staff Office - West
1/2" = 1'-0"



10 B121- Cosmetology- South-Small
1/2" = 1'-0"

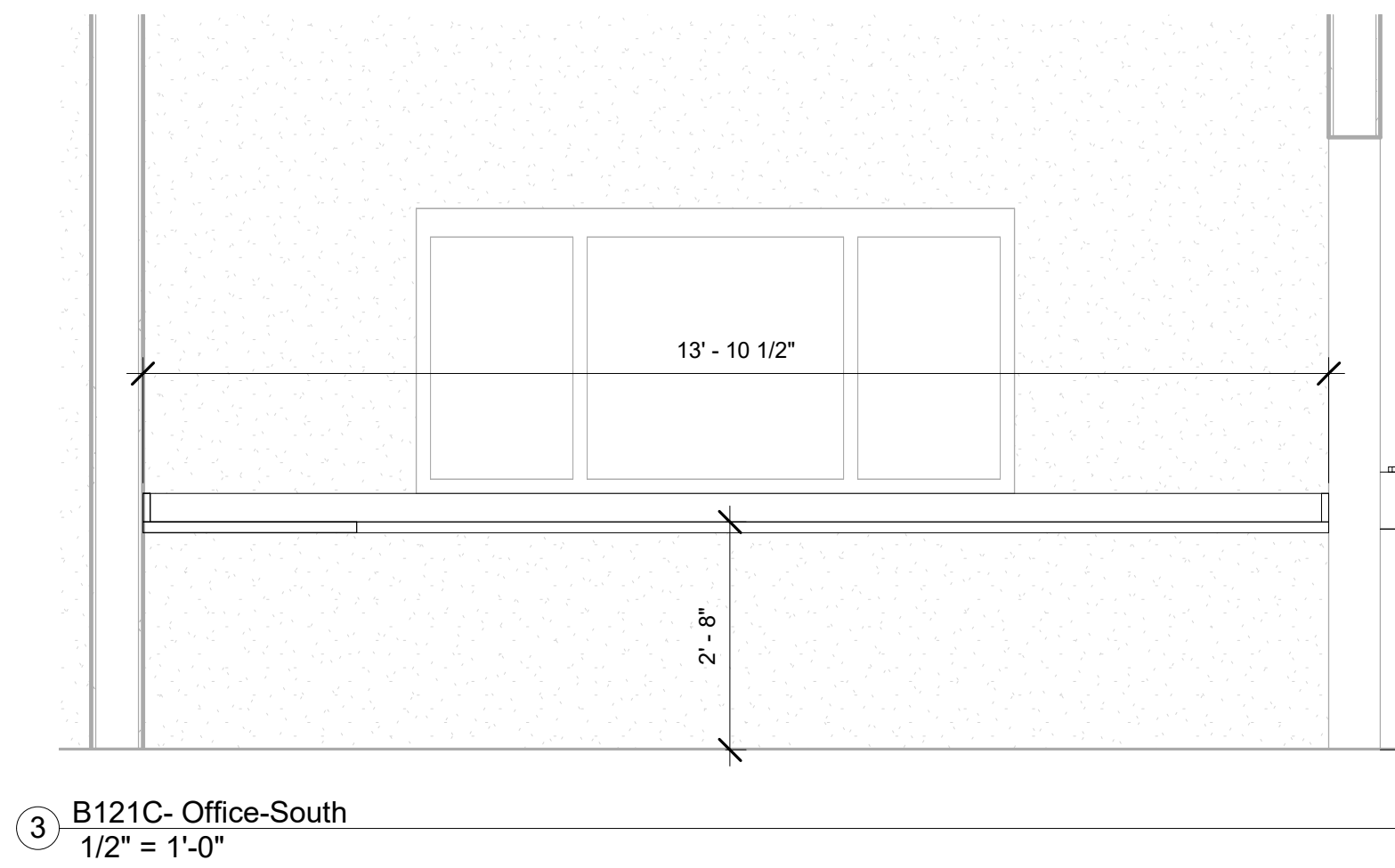




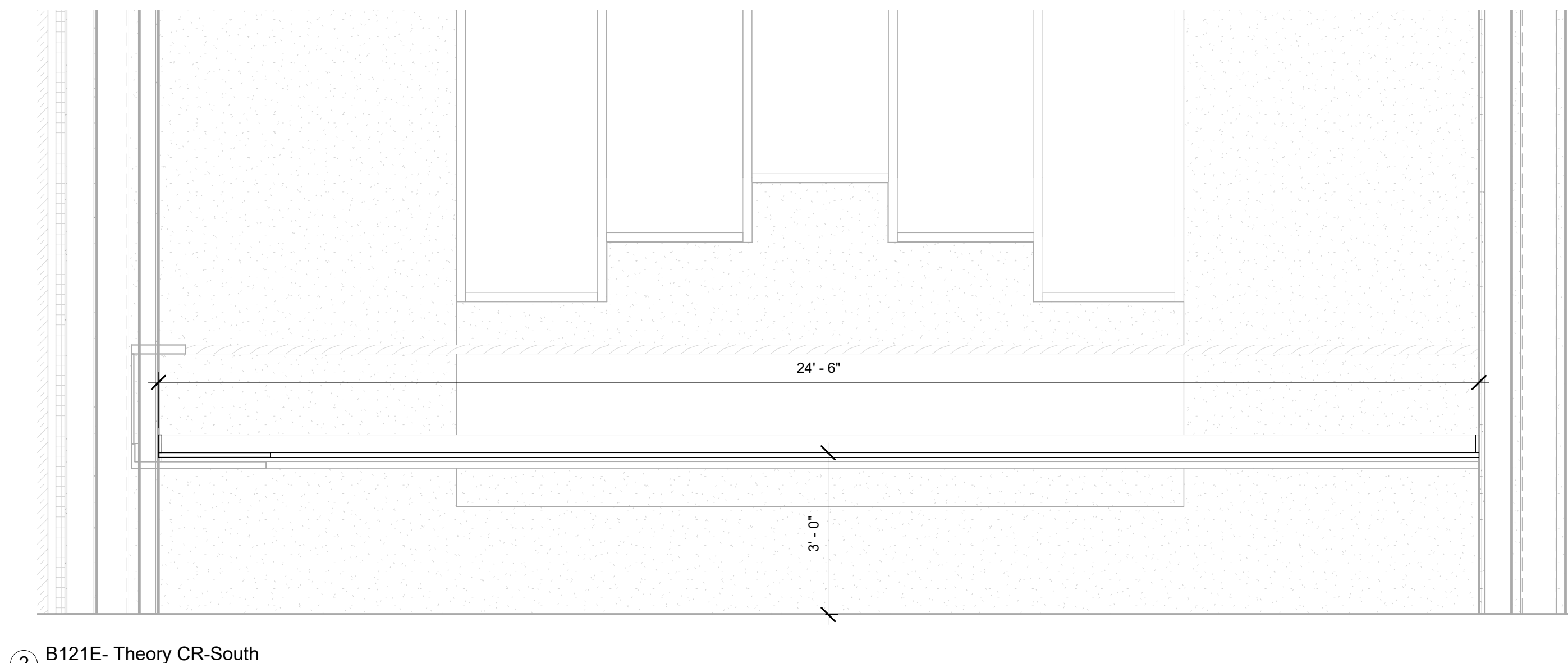
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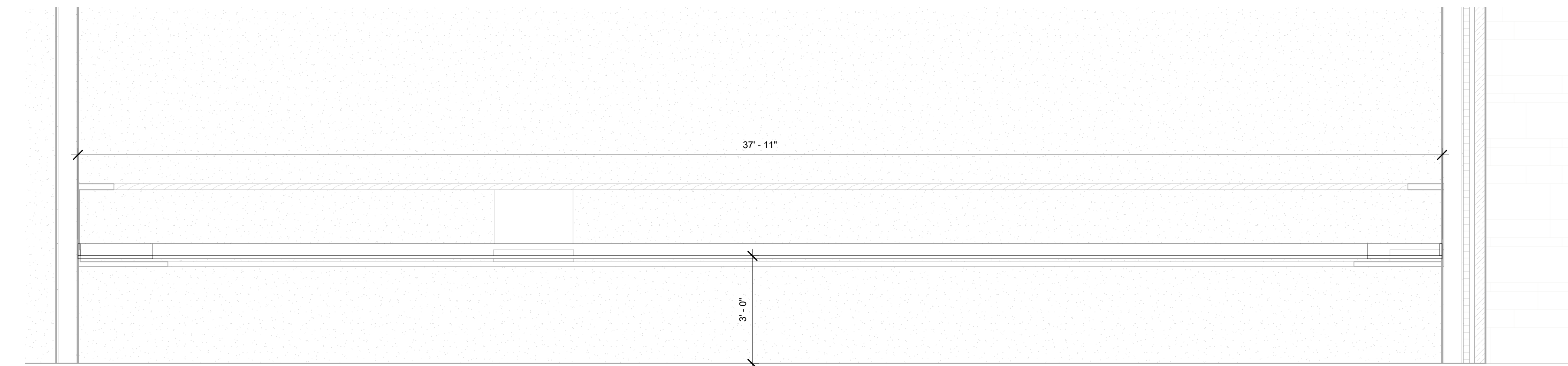
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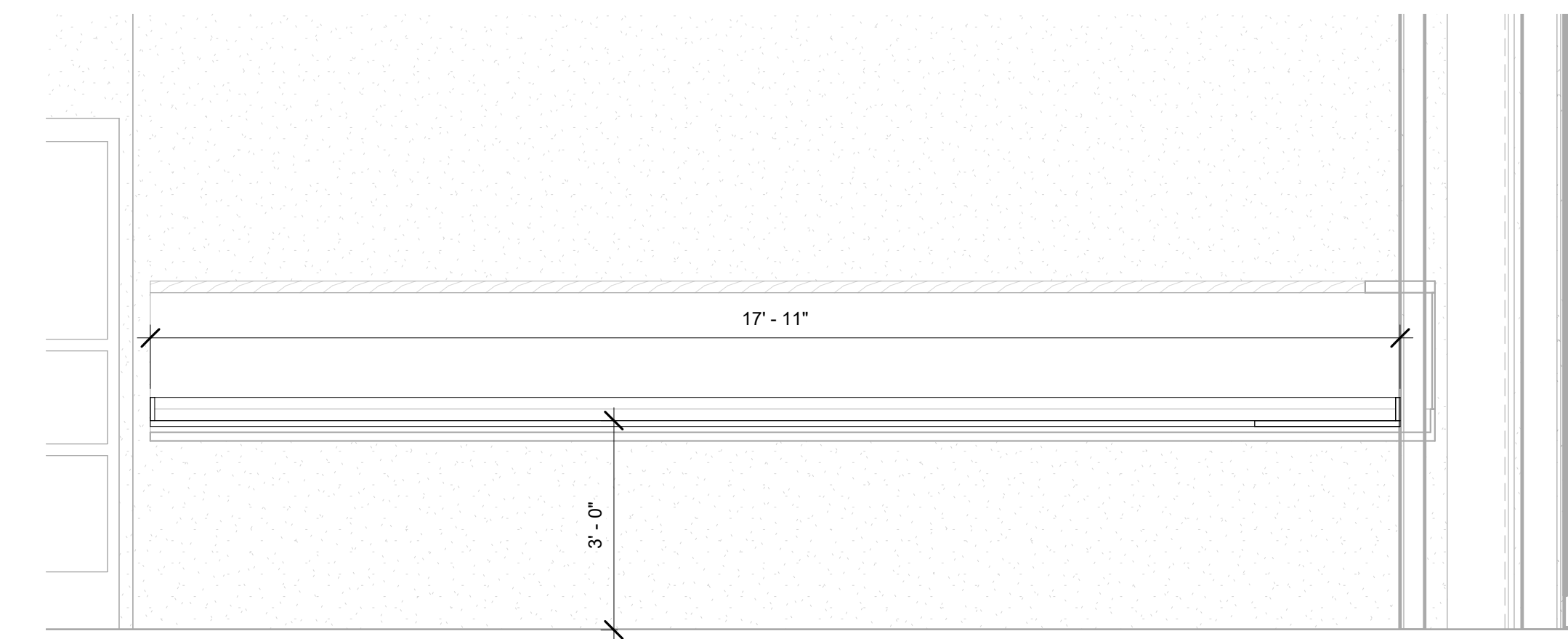
③ B121C-Office-South
1/2" = 1'-0"



② B121E-Theory CR-South
1/2" = 1'-0"



① B121E-Theory CR-East
1/2" = 1'-0"

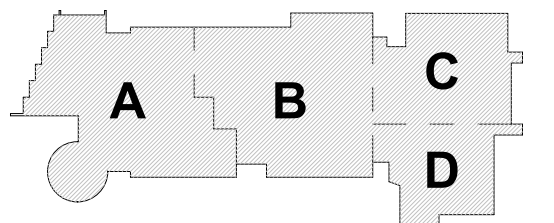


④ B121E-Theory CR-North
1/2" = 1'-0"

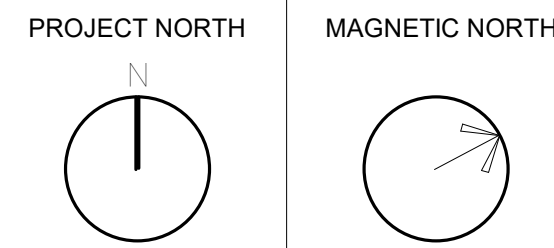
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KEY PLAN

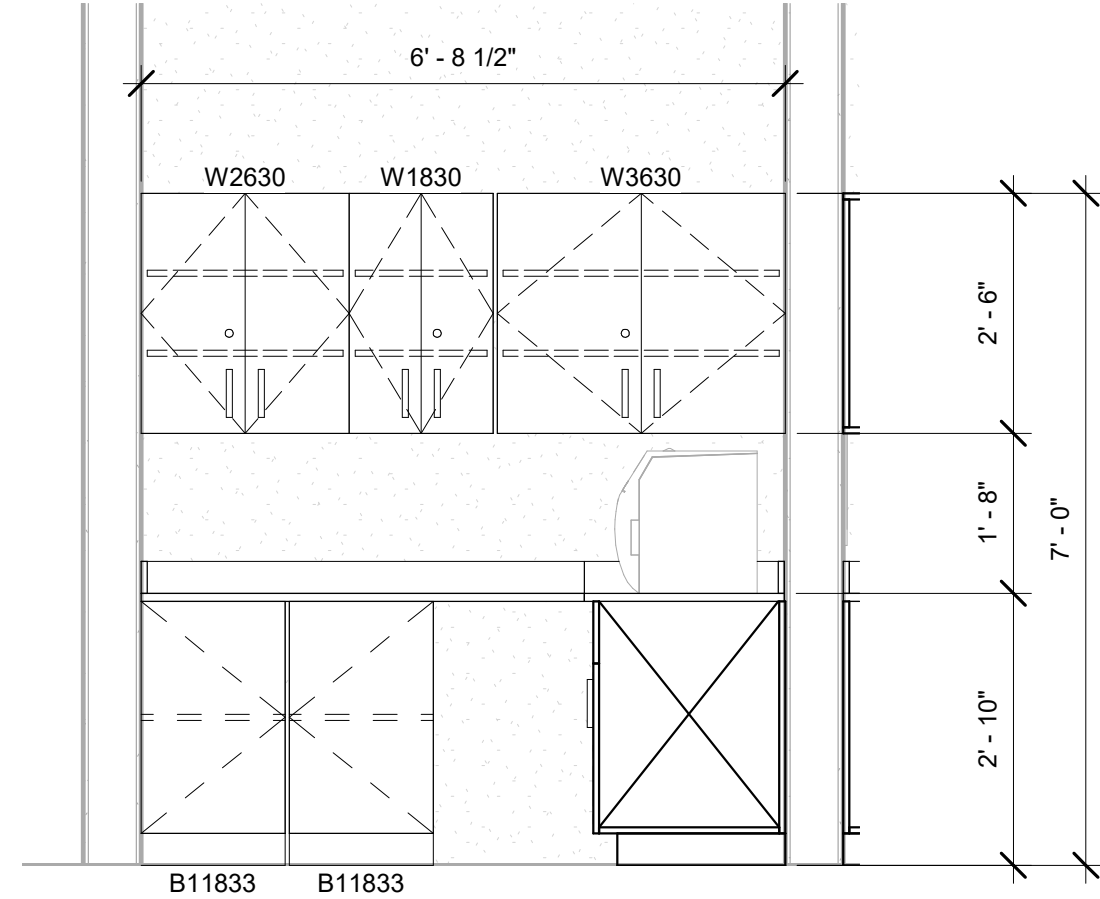


COSMETOLOGY
Casework &
Equipment

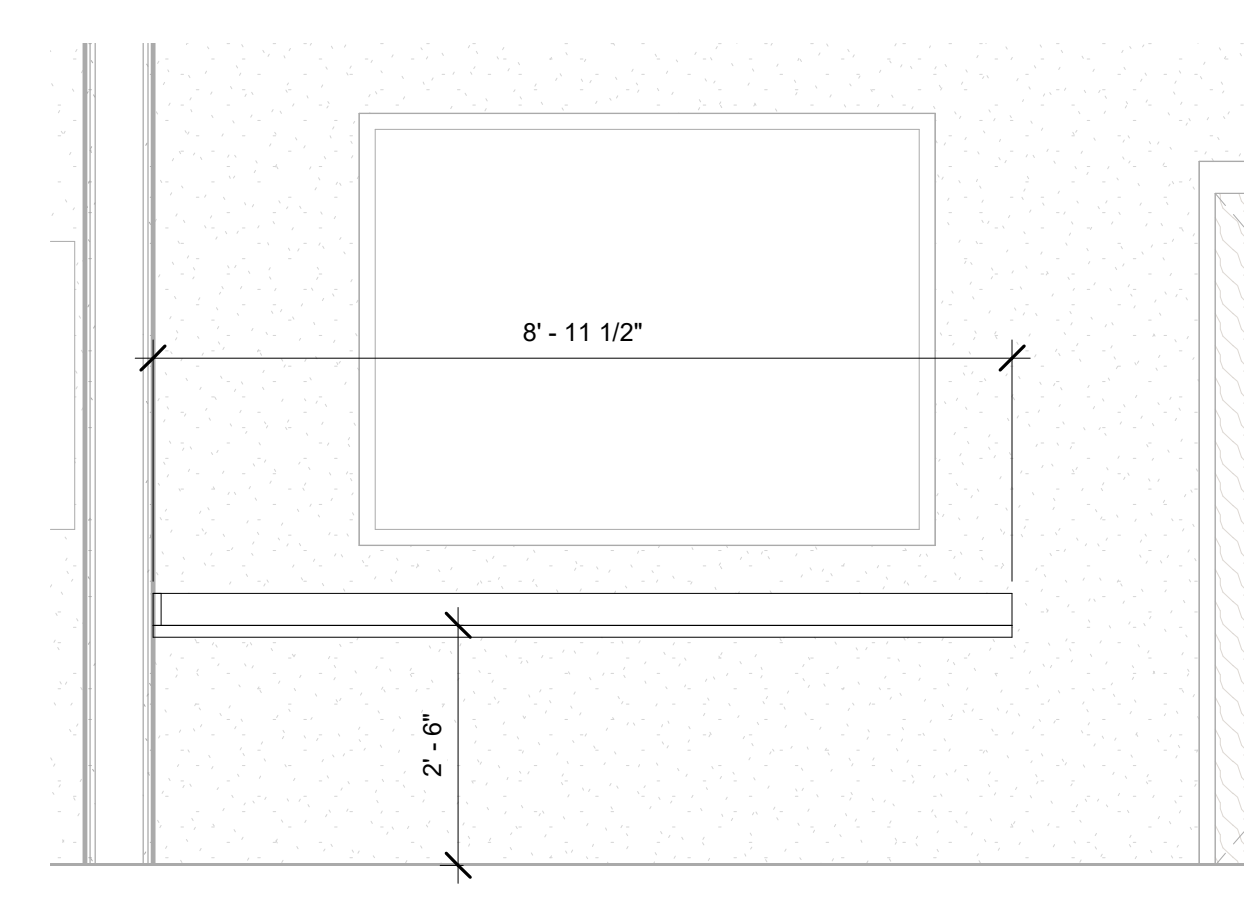
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Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ2.12.1

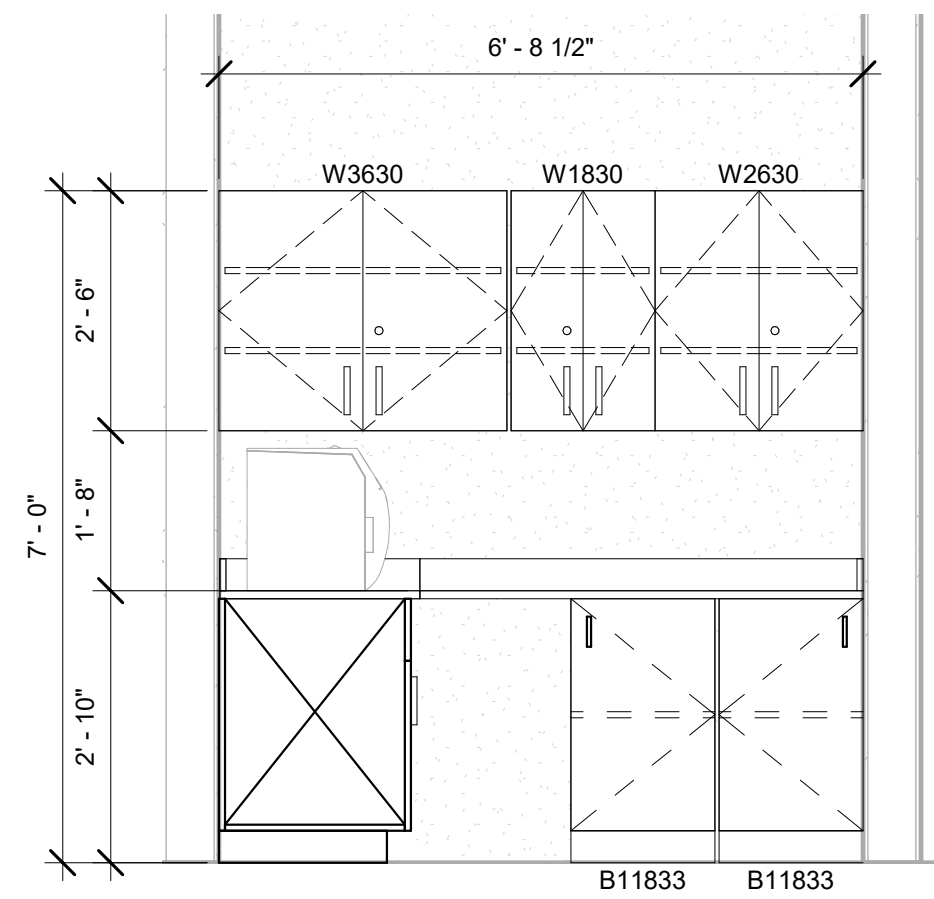
MEDICAL ASSISTING - SCHEDULE												
ITEM	QTY	Furnish and install by CMR	Furnish and install by Owner	DESCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	GENERAL NOTES
MA01	1	X		Washer	GE	-	-	-	120	-	-	NEW
MA02	1	X		Dryer	GE	-	-	-	120/208	-	-	NEW
MA03	1		X	Sim Man		-	-	-	120	-	X	Optional External Air
MA04	9		X	Exam Table		-	5.5	-	115 or...	-	-	CONFIRM - NEW
MA05	9		X	Mobile Medical Cart...		-	-	-	115	-	-	CONFIRM - NEW
MA06	1		X	Urinalysis Machine		-	-	-	120	-	-	EXISTING-CONFIRM
MA07	#		X	Microscopes		-	-	-	120	-	-	CONFIRM - NEW
MA08	2		X	Demo Station		-	-	-	120	-	-	CONFIRM - NEW
MA09	#		X	Misc. Benchtop Apparatus		-	-	-	120	-	X	Portable



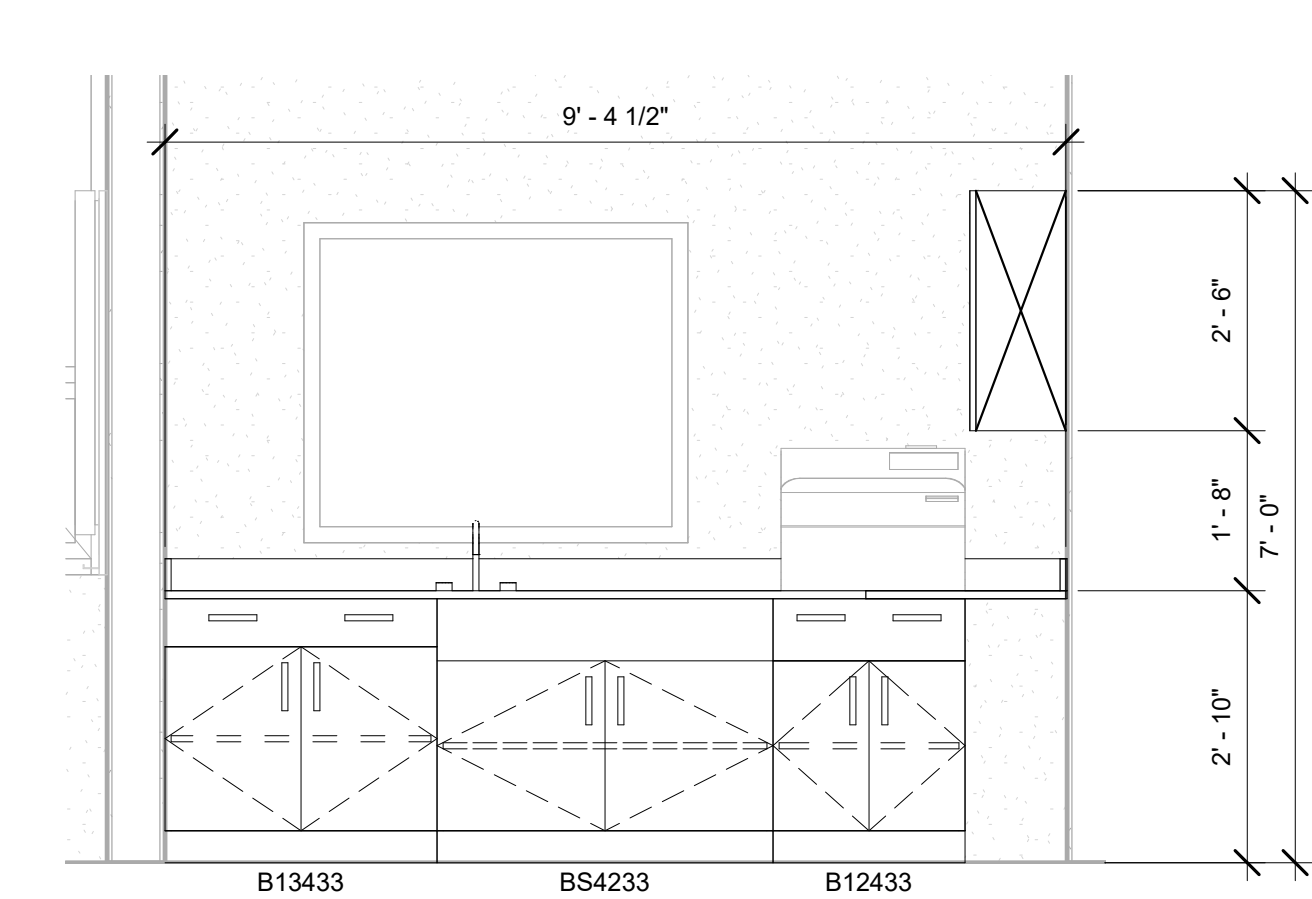
④ B302F- Medical Assist- Dirty- West
1/2" = 1'-0"



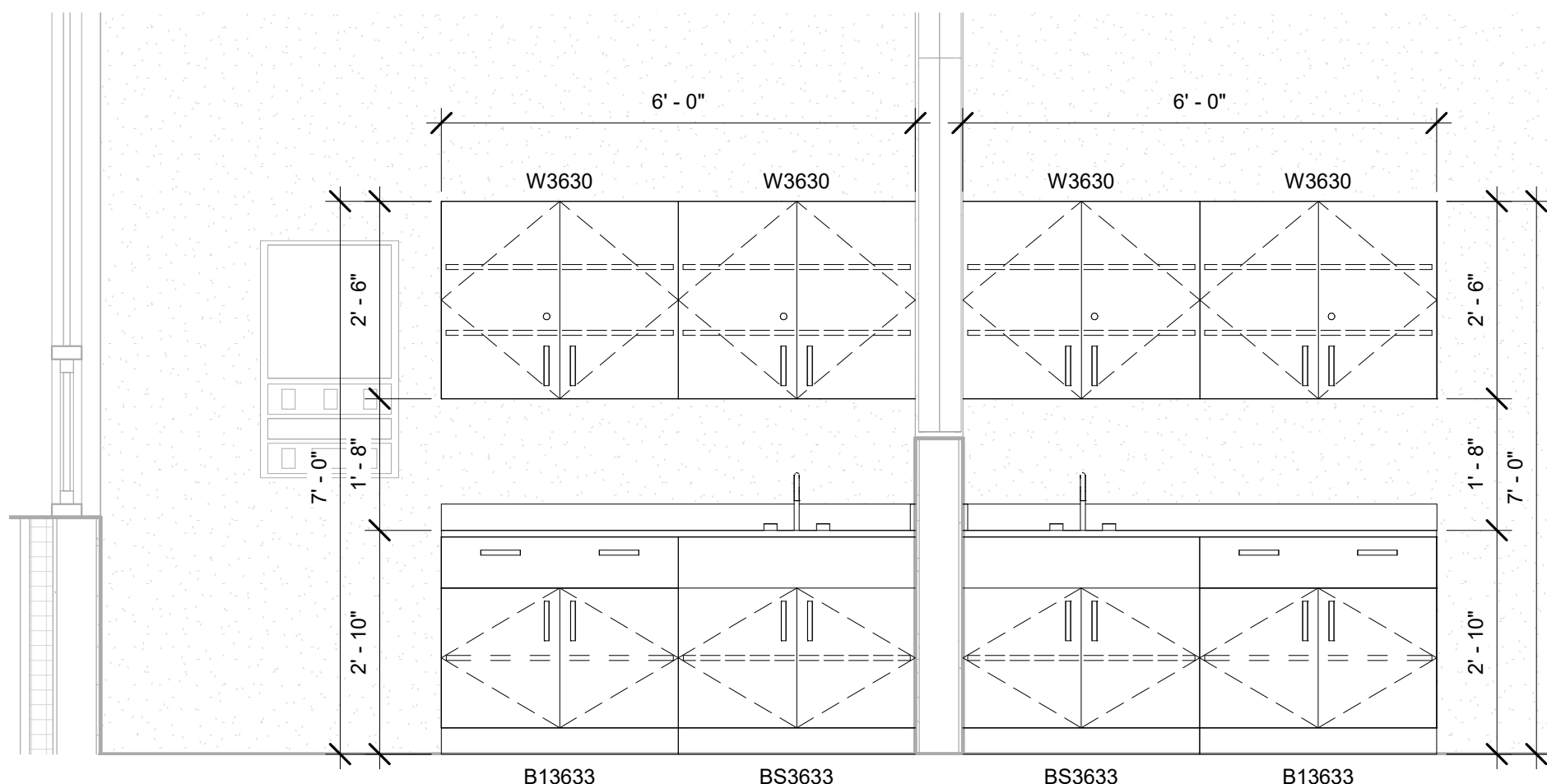
⑤ B302A- Medical Assist- Observ/Stor
1/2" = 1'-0"



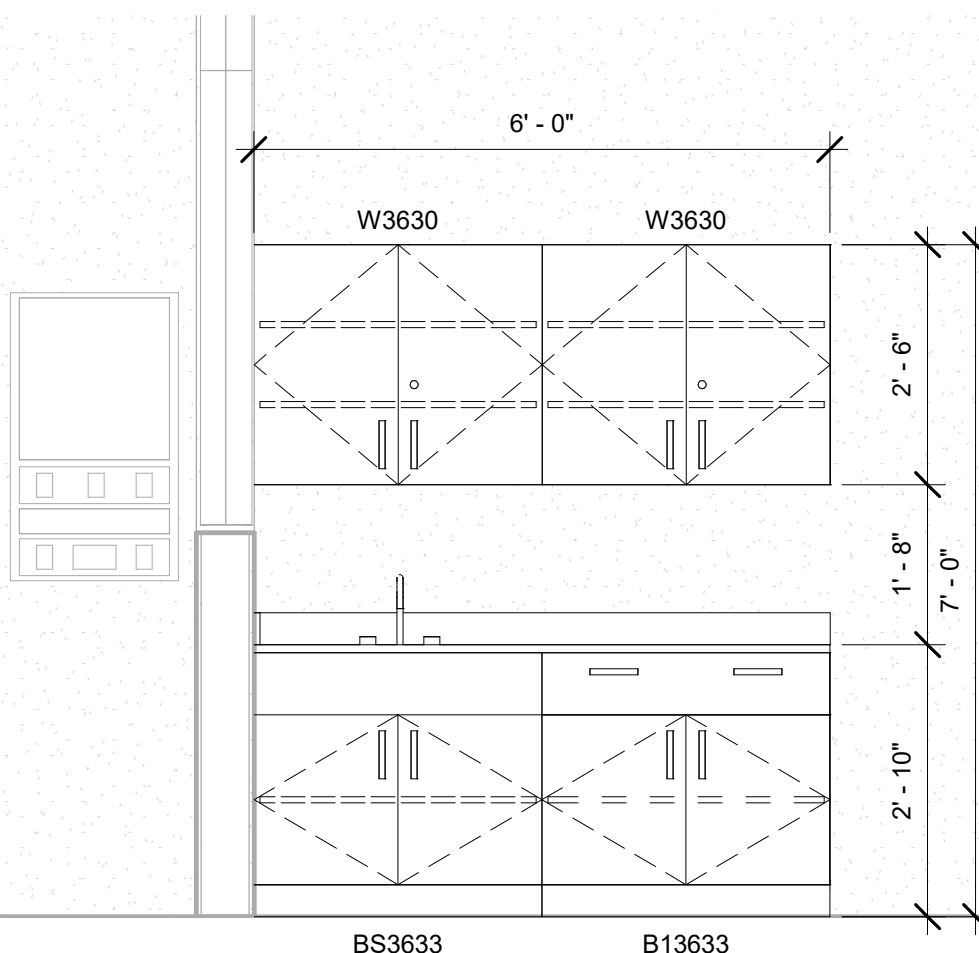
⑥ B302G- Medical Assist- Clean- East
1/2" = 1'-0"



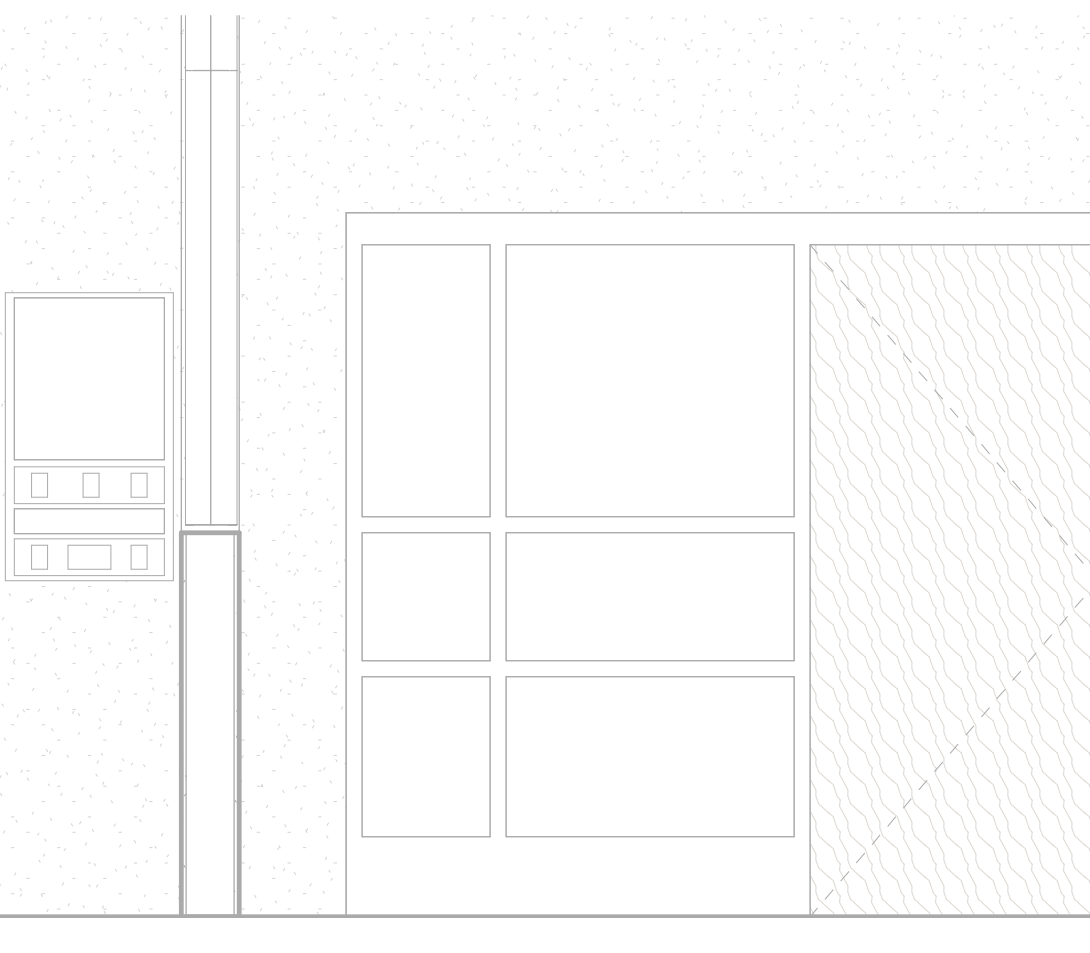
⑦ B302G- Medical Assist- Clean- North
1/2" = 1'-0"



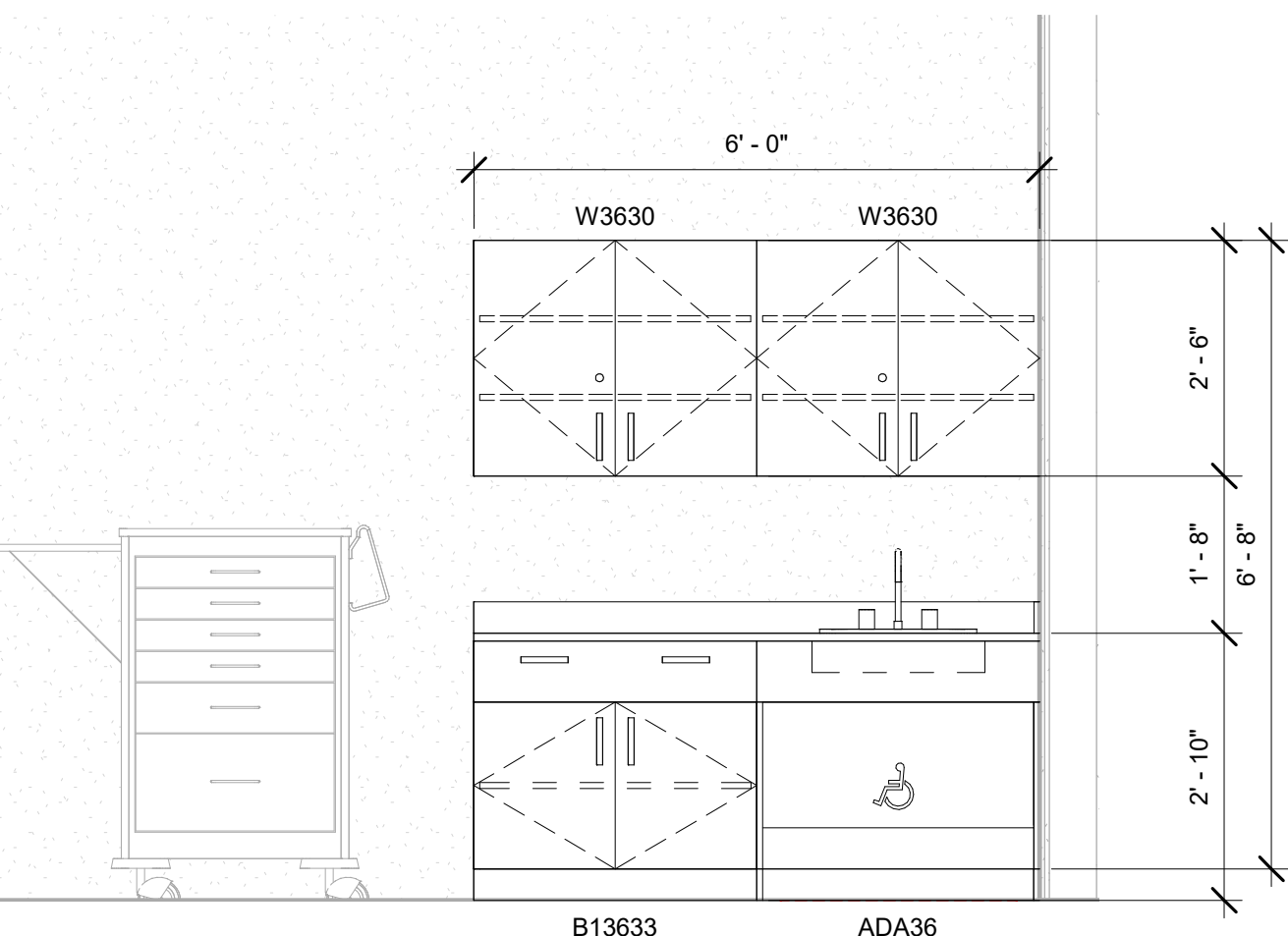
⑧ B302- Medical Assist- East
1/2" = 1'-0"



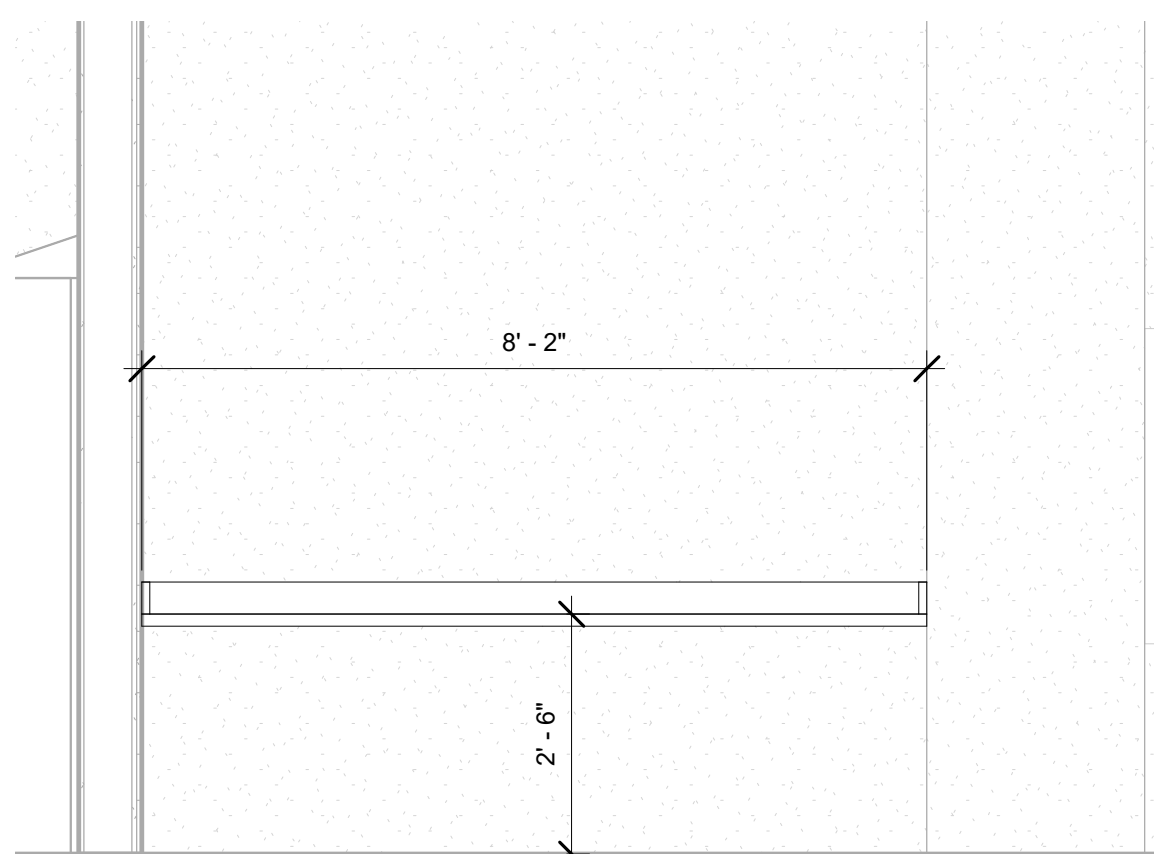
⑨ B302- Medical Assist- Office- West
1/2" = 1'-0"



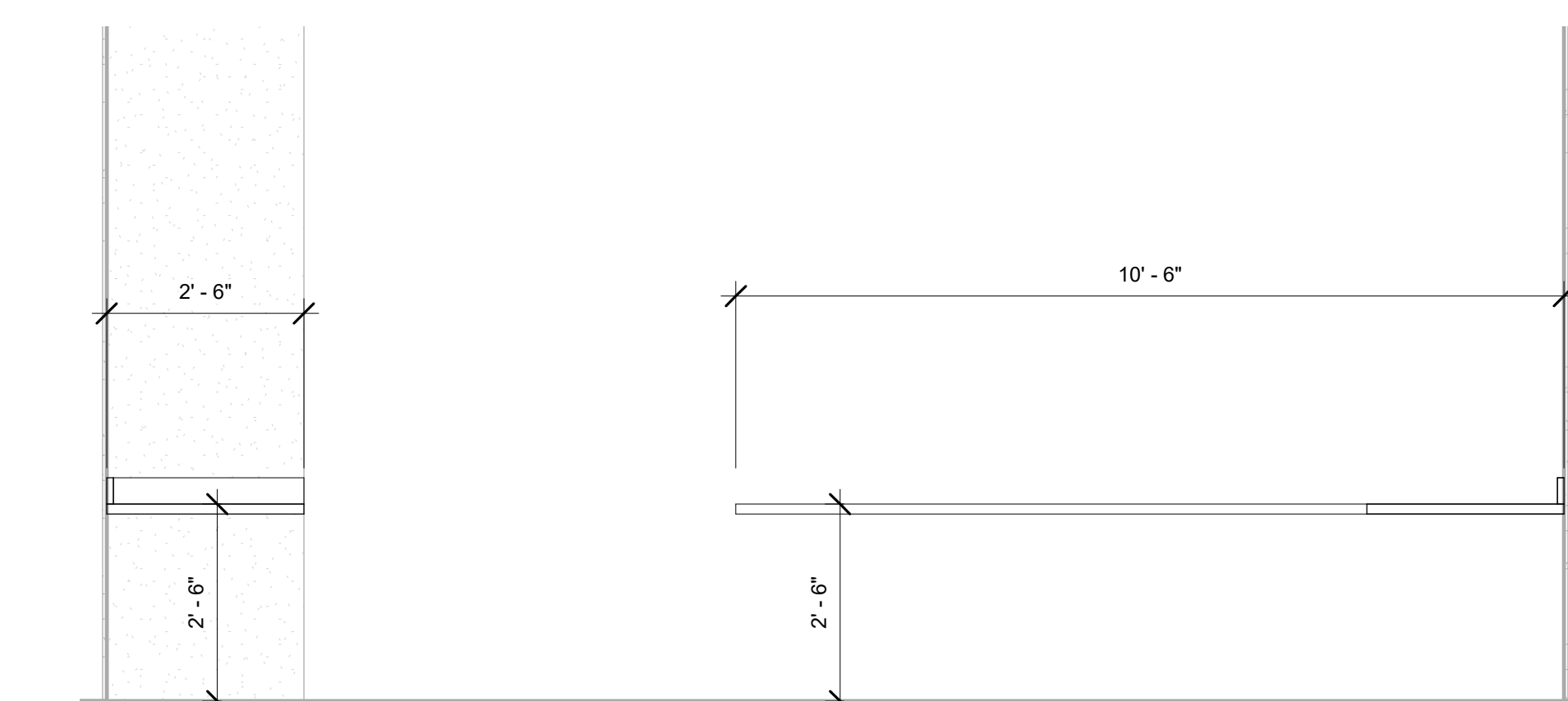
⑩ B302D- Medical Assist- Office- North
1/2" = 1'-0"



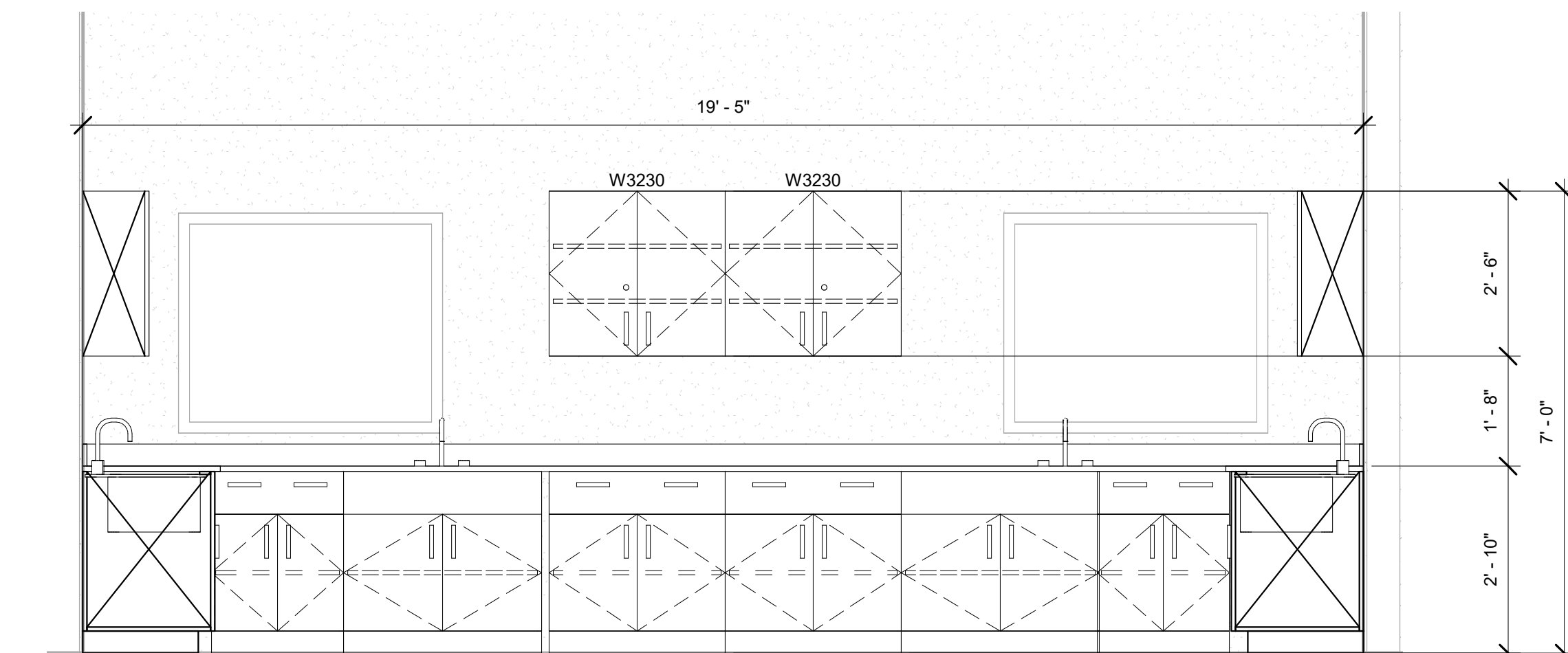
⑪ B302H- Medical Assist- Lab- South
1/2" = 1'-0"



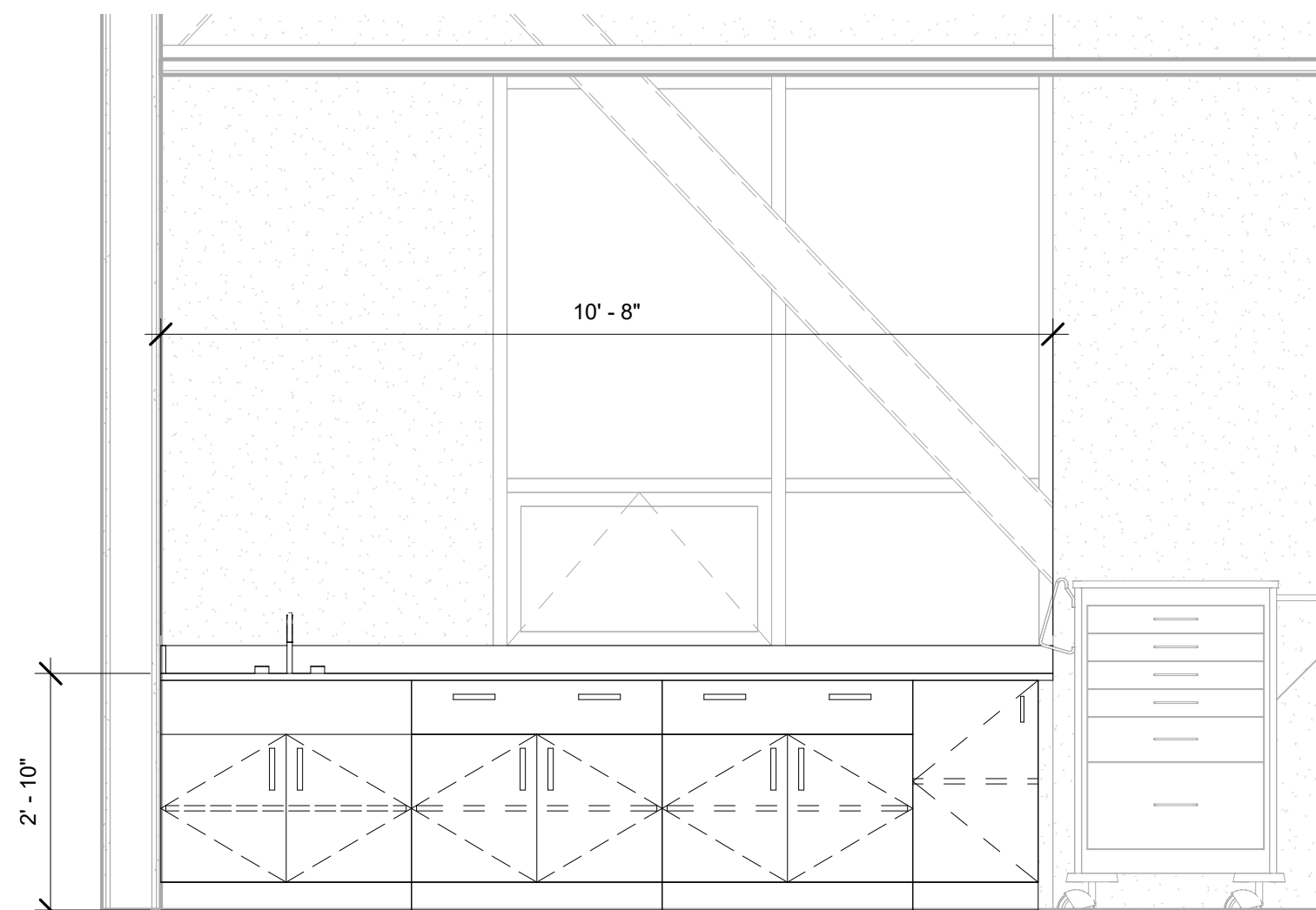
⑨ B302D- Medical Assist- Office- West
1/2" = 1'-0"



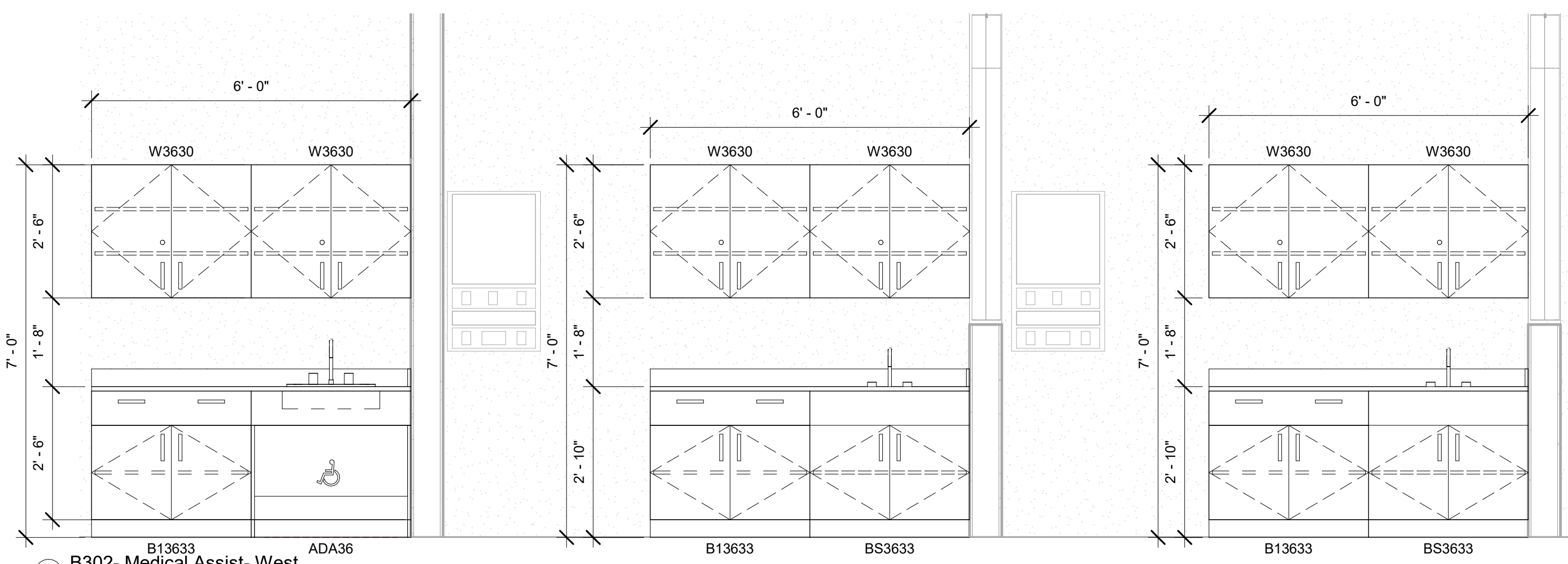
⑩ B302D- Medical Assist- Office- North
1/2" = 1'-0"



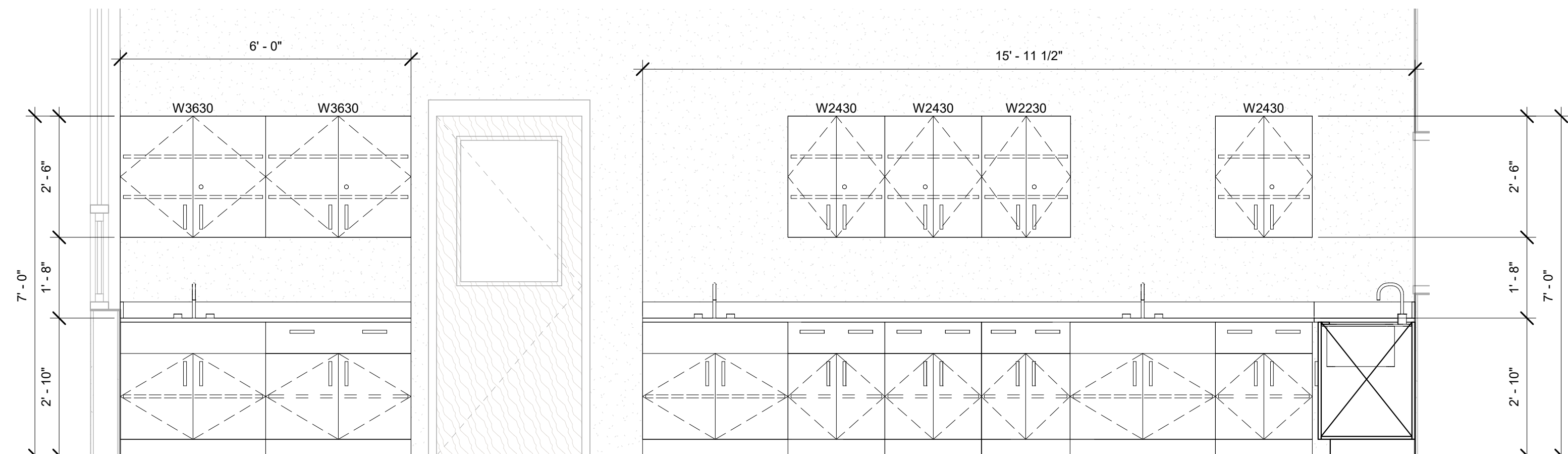
⑪ B302H- Medical Assist- Lab- South
1/2" = 1'-0"



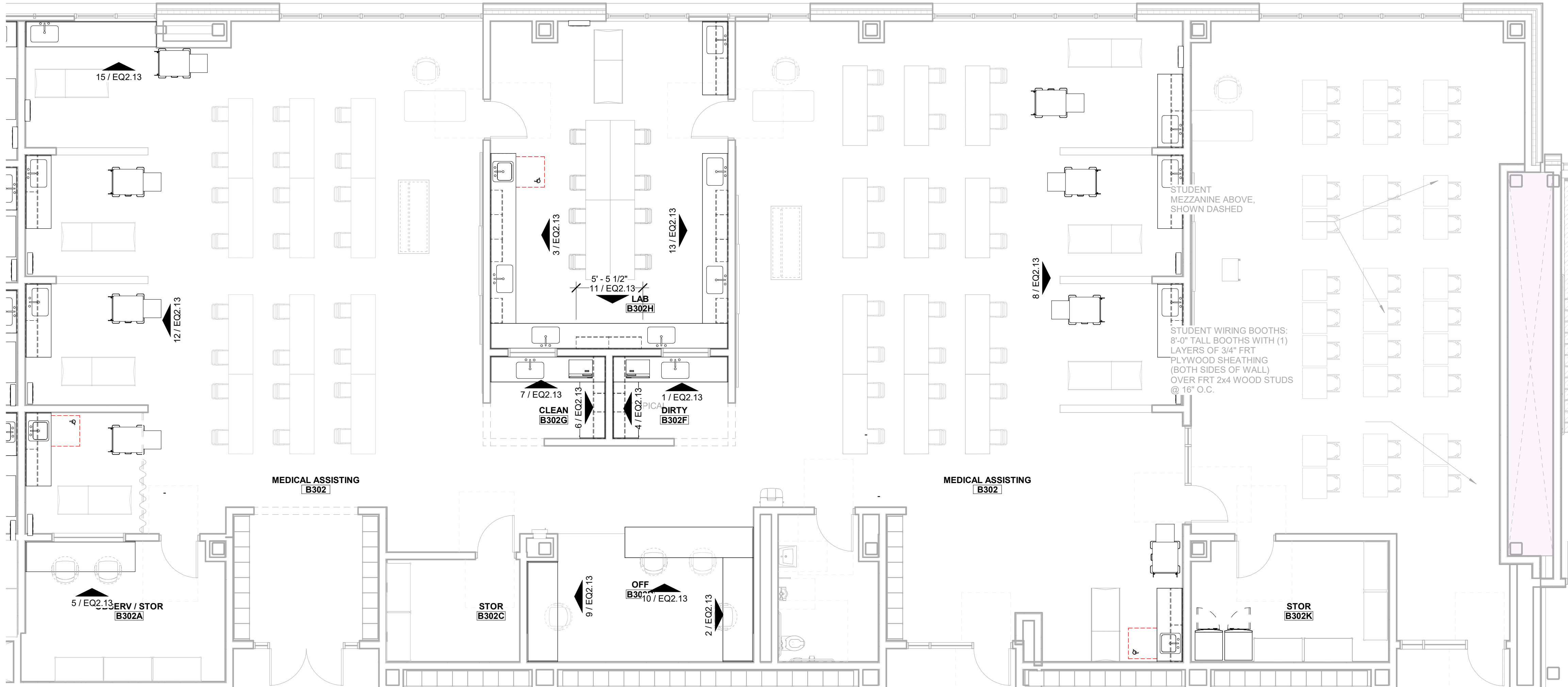
⑫ B302- Medical Assist- North
1/2" = 1'-0"



⑬ B302- Medical Assist- West
1/2" = 1'-0"



⑭ B302H- Medical Assist- Lab- East
1/2" = 1'-0"



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Tel: 617.964.1700
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SUBMISSION

08/04/2022

KEY PLAN

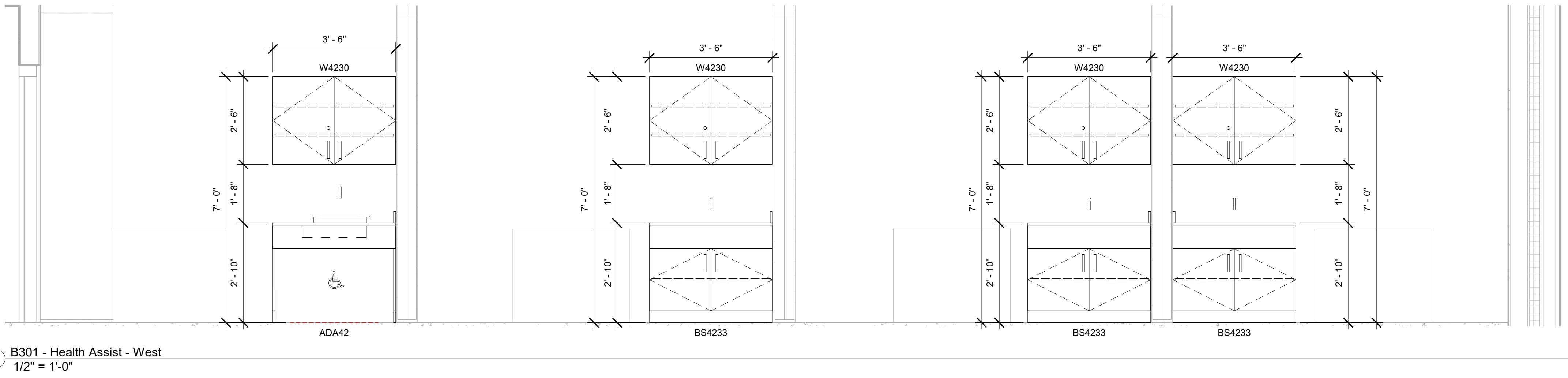
PROJECT NORTH
MAGNETIC NORTH

MEDICAL ASSIST
Casework &
Equipment

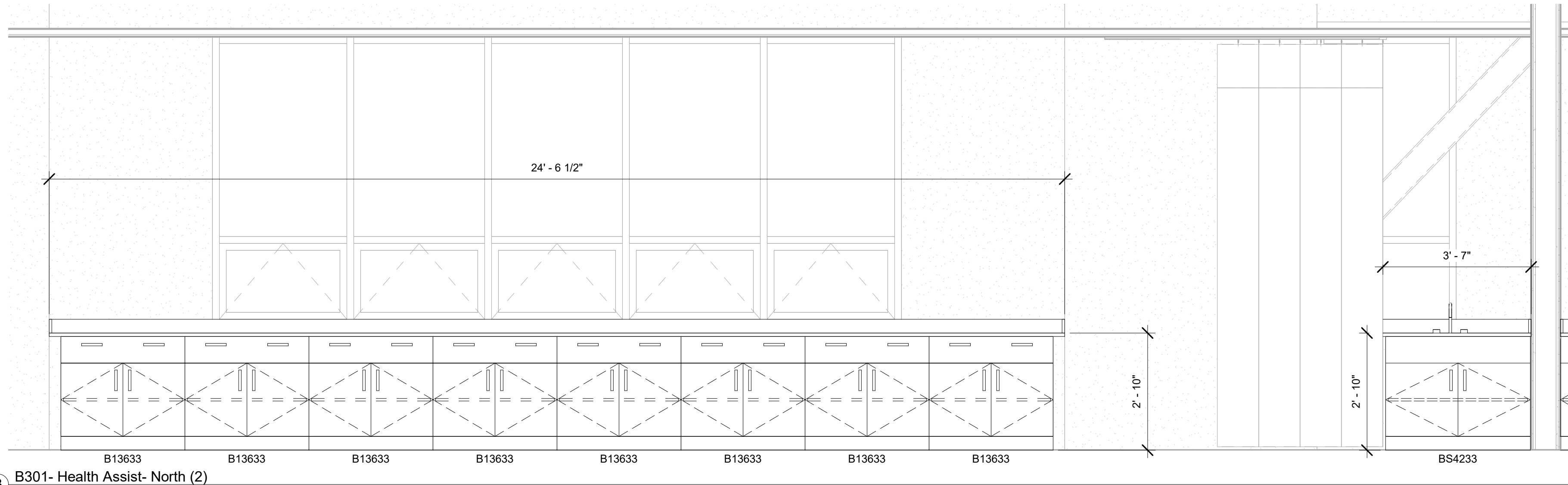
Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ2.13

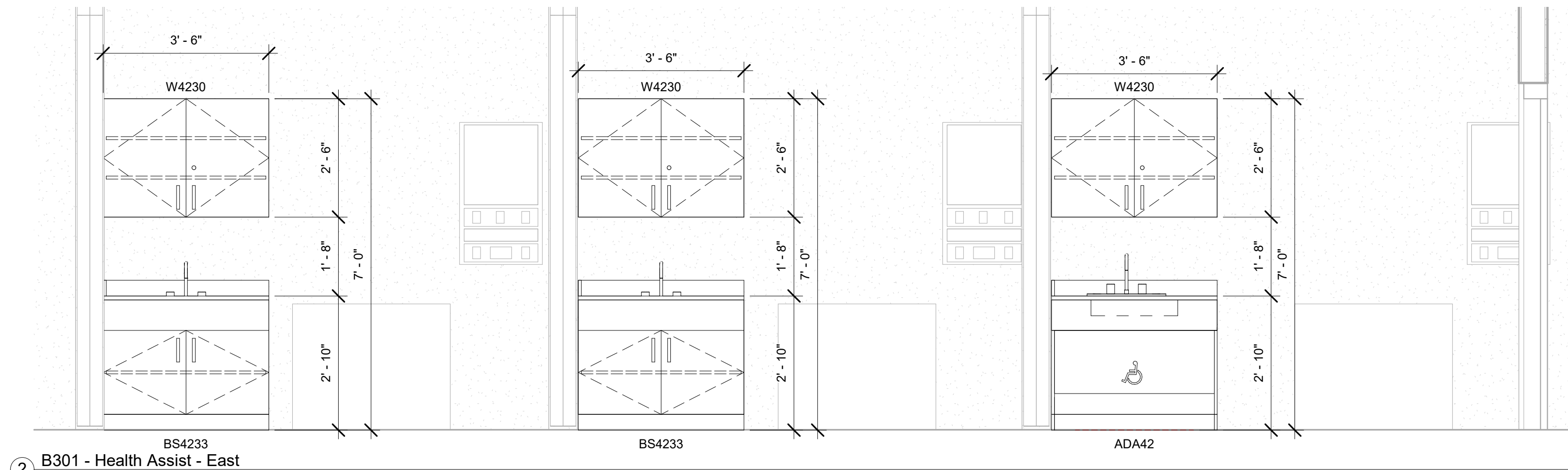
HEALTH ASSISTING - SCHEDULE																	
ITEM	QTY	Furnish and Install by CMR	Furnish and Furnish by owner, install b...	Furnish and Install ...	DESCRIPTION	MAKE & MODEL	SIZE (DxWxH)	WEIGHT	Amp	HP	Volts	Phase	Air	Water	Data	MEP NOTES	GENERAL NOTES
HA01	1	X			Fridge	GE	-	-			115	-	-	COLD	-		NEW
HA02	1	X			Washer	GE	-	-			120	-	-	HOT/CO...	-		NEW
HA03	1	X			Dryer	GE	-	-			120/208	-	-	-	-	VENT	NEW
HA04	1	X			Microwave	GE	-	-			120	-	-	-	-		NEW
HA05	1	X			Dishwasher	GE	-	-			120	-	-	HOT/CO...	-		NEW
HA06	1		X		Sim Man		-	-	-	-	120	-	X		X	Optional External Air	Conduit between rooms
HA07	10		X		Mock Headwall		-	-	-	-	-	-	-	-	-	Wall Mount	NEW-CONFIRM
HA08	#		X		X-Ray Viewbox		-	-	-	-	120	-	-	-	-	Wall Mount	CONFIRM - QUANTITY
HA09	10		X		BP Cuff - Wall Mt		-	-	-	-	-	-	-	-	-		NEW-CONFIRM
HA10	1			X	Lift	Lumex	-	-	-	-	120	-	-	-	-	Battery Powered	EXISTING-CONFIRM
HA11	10		X		Hospital Bed		-	-	-	-	120	1	-	-	-		NEW-CONFIRM
HA12	1		X		Printer		-	-	-	-	120	-	-	-	X		EXISTING - CONFIRM
HA13	1		X		Urinalysis Machine		-	-	-	-	120	-	-	-	X		EXISTING-CONFIRM
HA14	3		X		Mobile Vital Sign	Weich Allen 42NTB-E1G	-	-	-	-	115	-	-	-	X		EXISTING-CONFIRM
HA15	3		X		Mobile ECG	Weich Allen CP-100 ECG	-	-	-	-	115	-	-	-	X		EXISTING-CONFIRM
HA16	2		X		Organ Model		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA17	1		X		Femal Organ Model		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA18	1		X		Blood Draw Chair		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA19	10		X		Bedside Cabinet		-	-	-	-	-	-	-	-	-		NEW-CONFIRM
HA20	10		X		Overbed Table		-	-	-	-	-	-	-	-	-		NEW-CONFIRM
HA21	2		X		Laundry Cart		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA22	5		X		Wheel Chairs		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA23	2		X		Mannekins		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA24	2		X		Storage Cart		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA25	1		X		Backboard		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA26	5		X		Walkers		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM
HA27	#		X		Steel Shelving		-	-	-	-	-	-	-	-	-		NEW-CONFIRM
HA28	1		X		Skeleton		-	-	-	-	-	-	-	-	-		EXISTING-CONFIRM



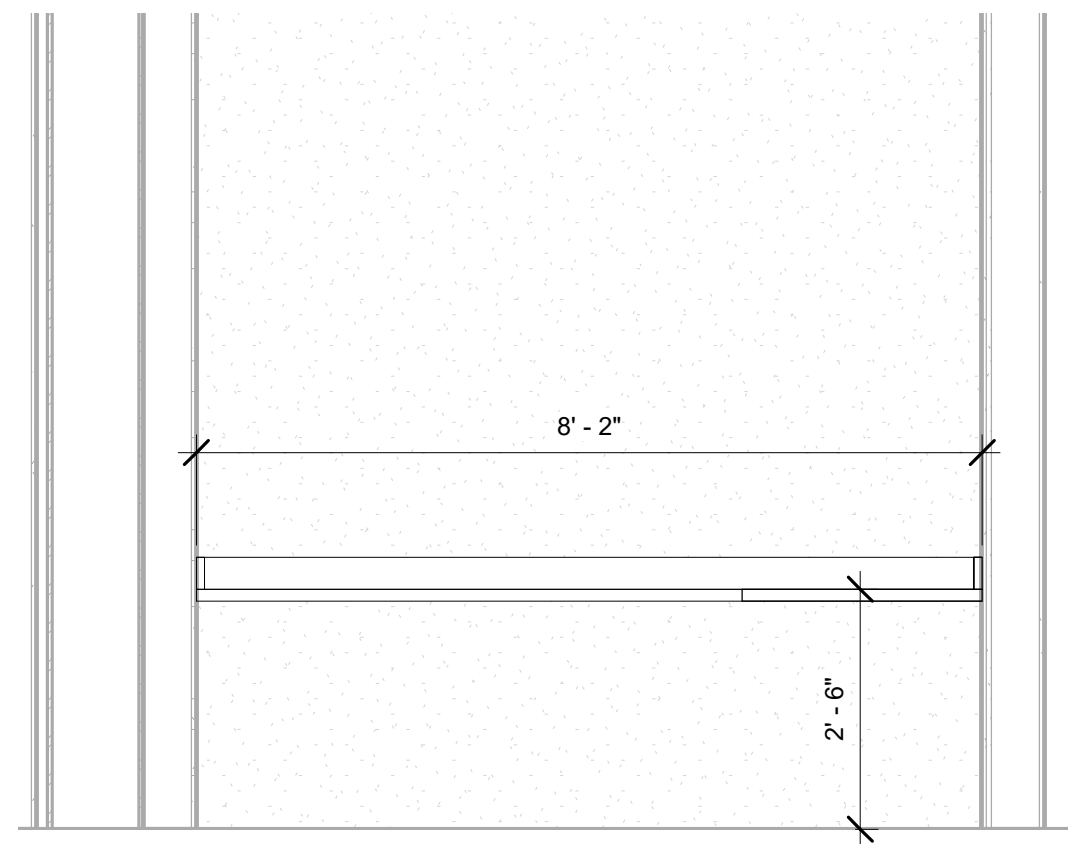
1 B301 - Health Assist - West
1/2" = 1'-0"



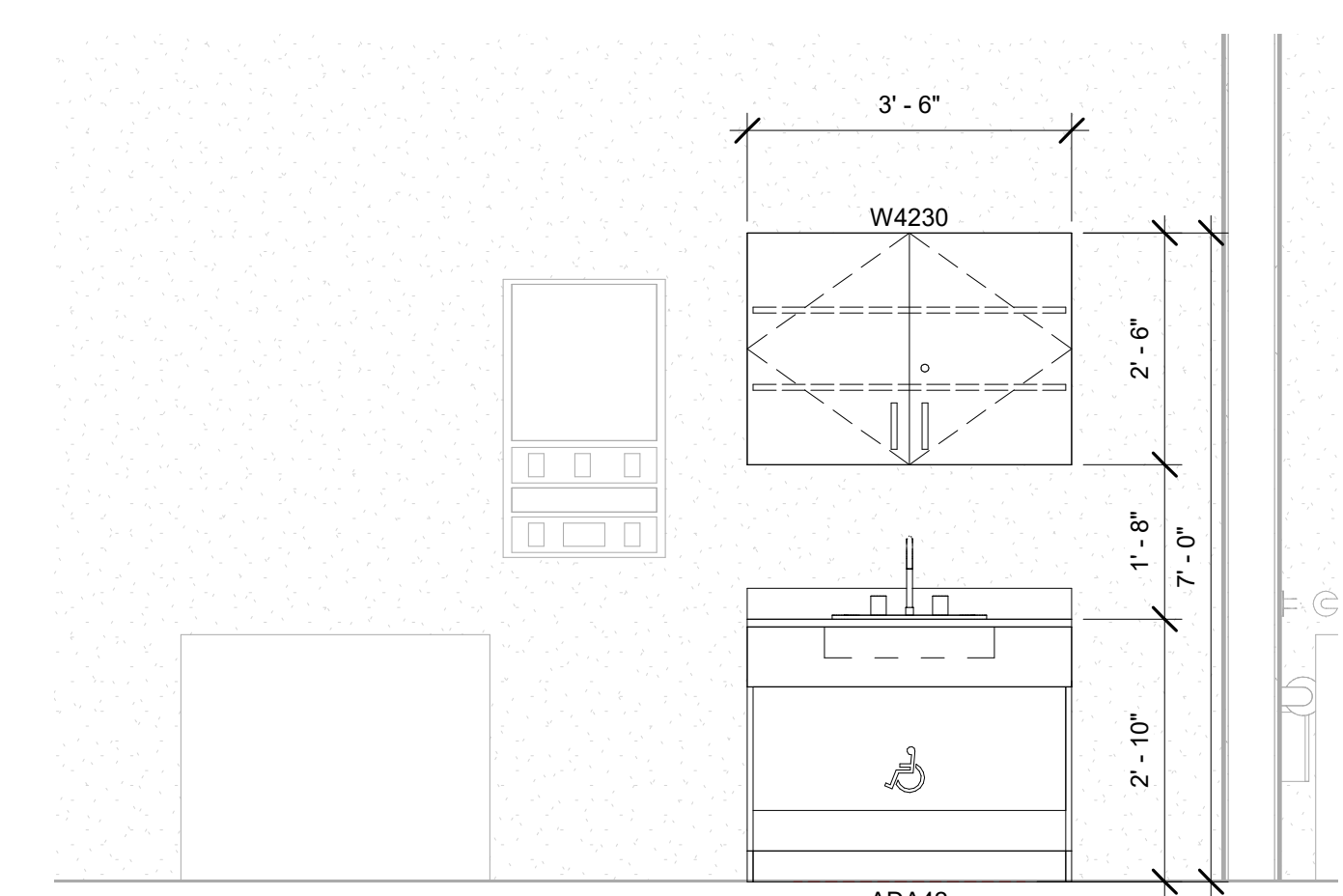
3 B301 - Health Assist - North (2)
1/2" = 1'-0"



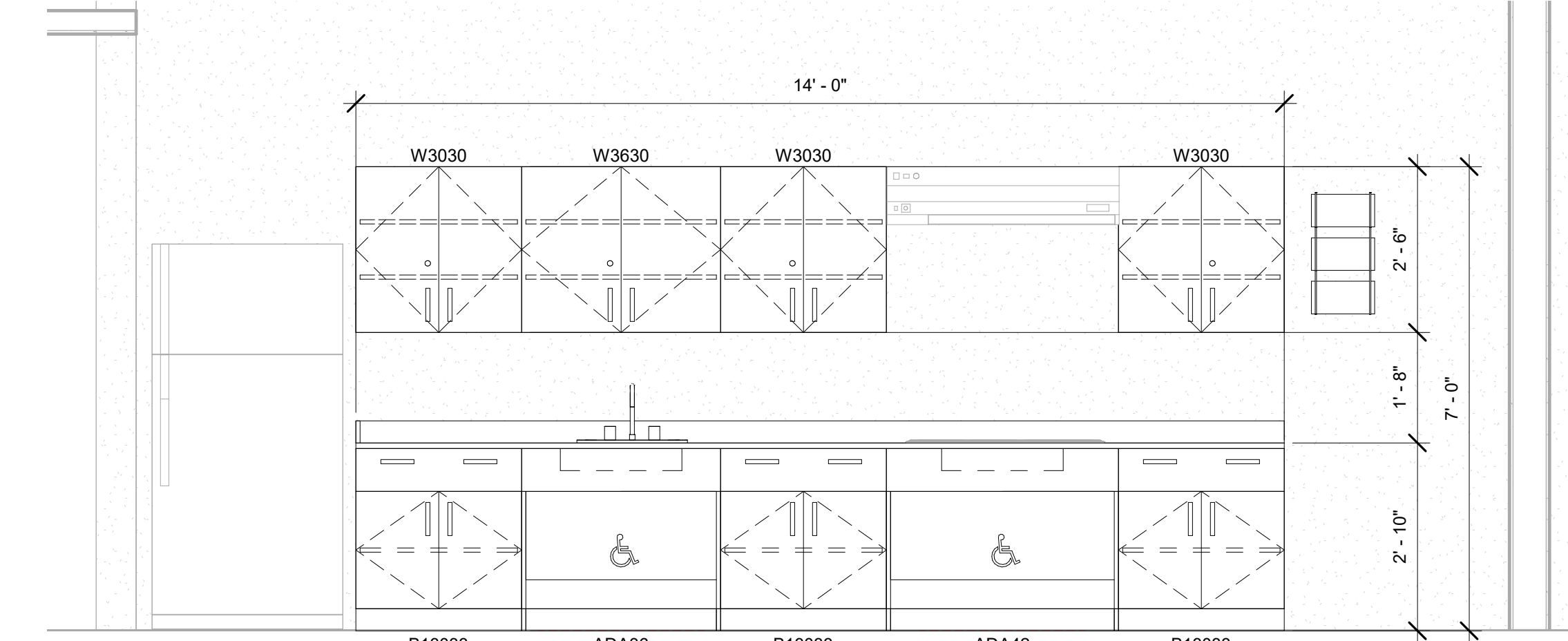
2 B301 - Health Assist - East
1/2" = 1'-0"



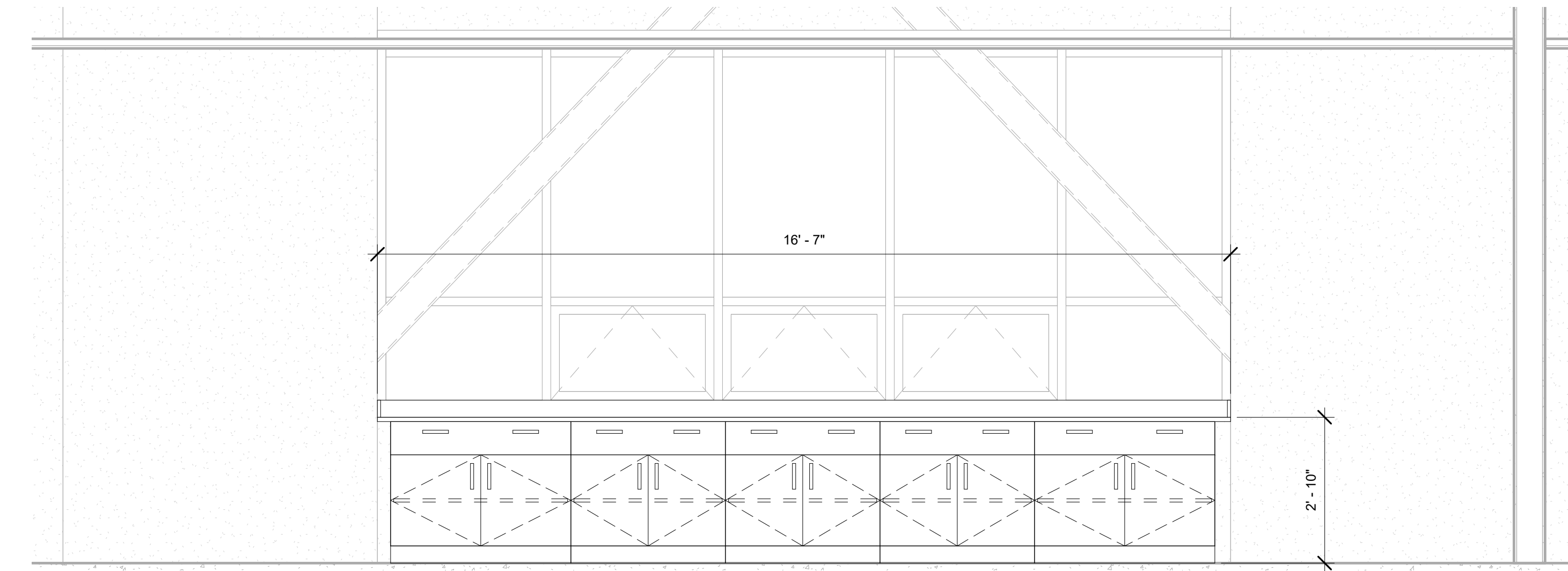
4 B301D - Health Assist - Office - East
1/2" = 1'-0"



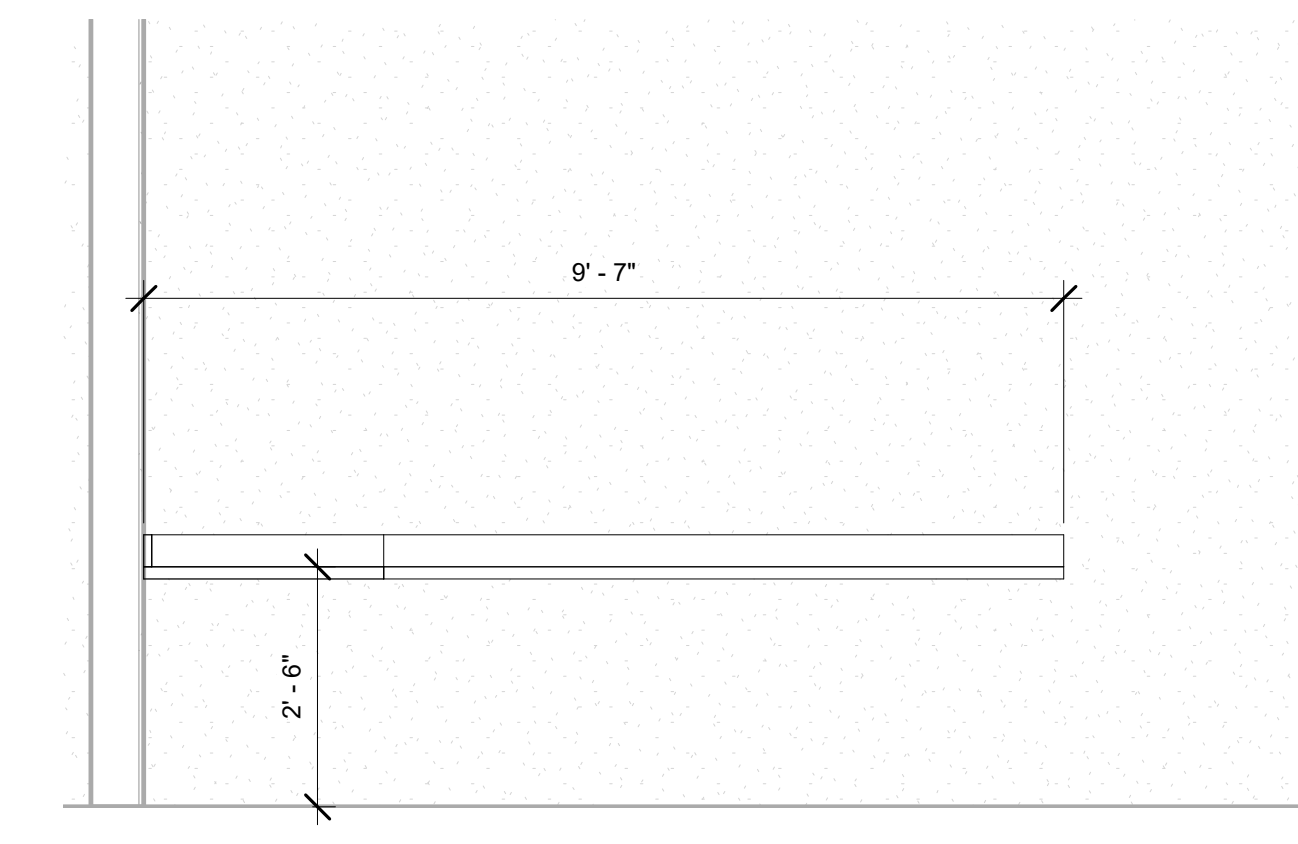
5 B301H - Health Assist - Sim
1/2" = 1'-0"



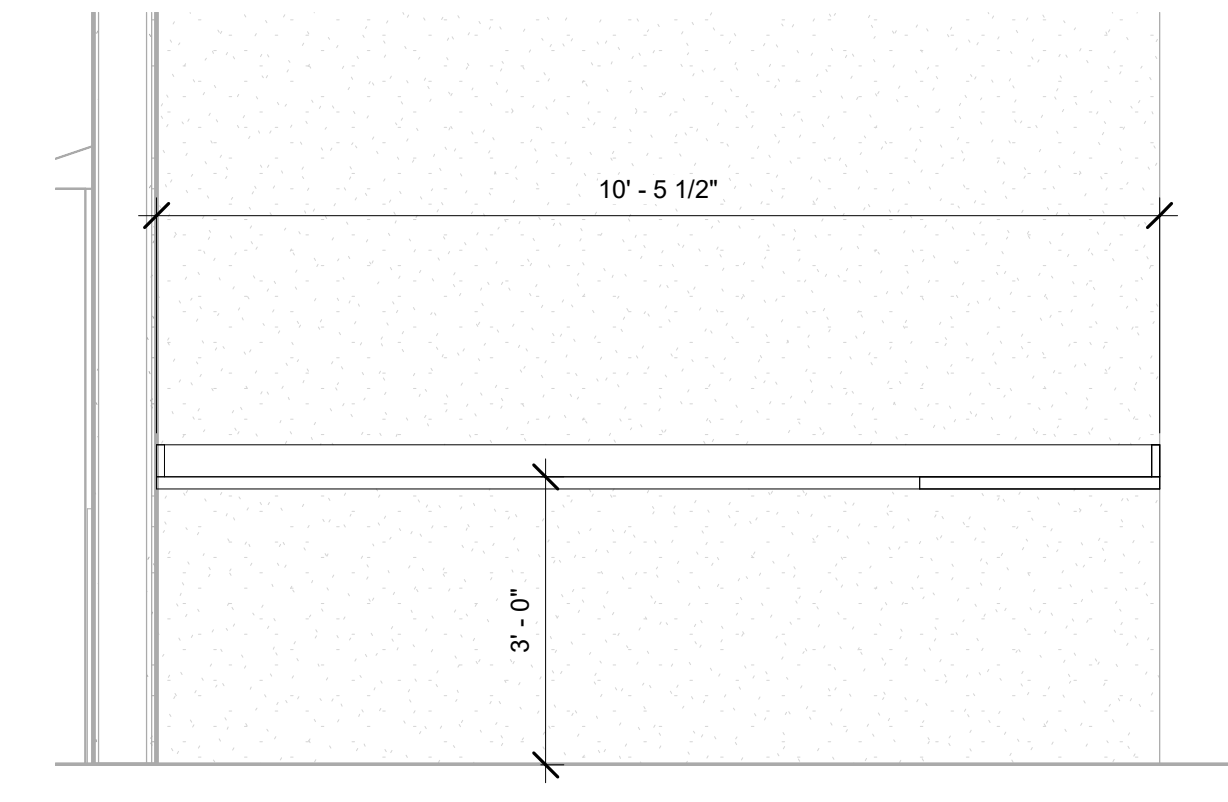
6 B301G - Health Assist - Mock Apartment
1/2" = 1'-0"



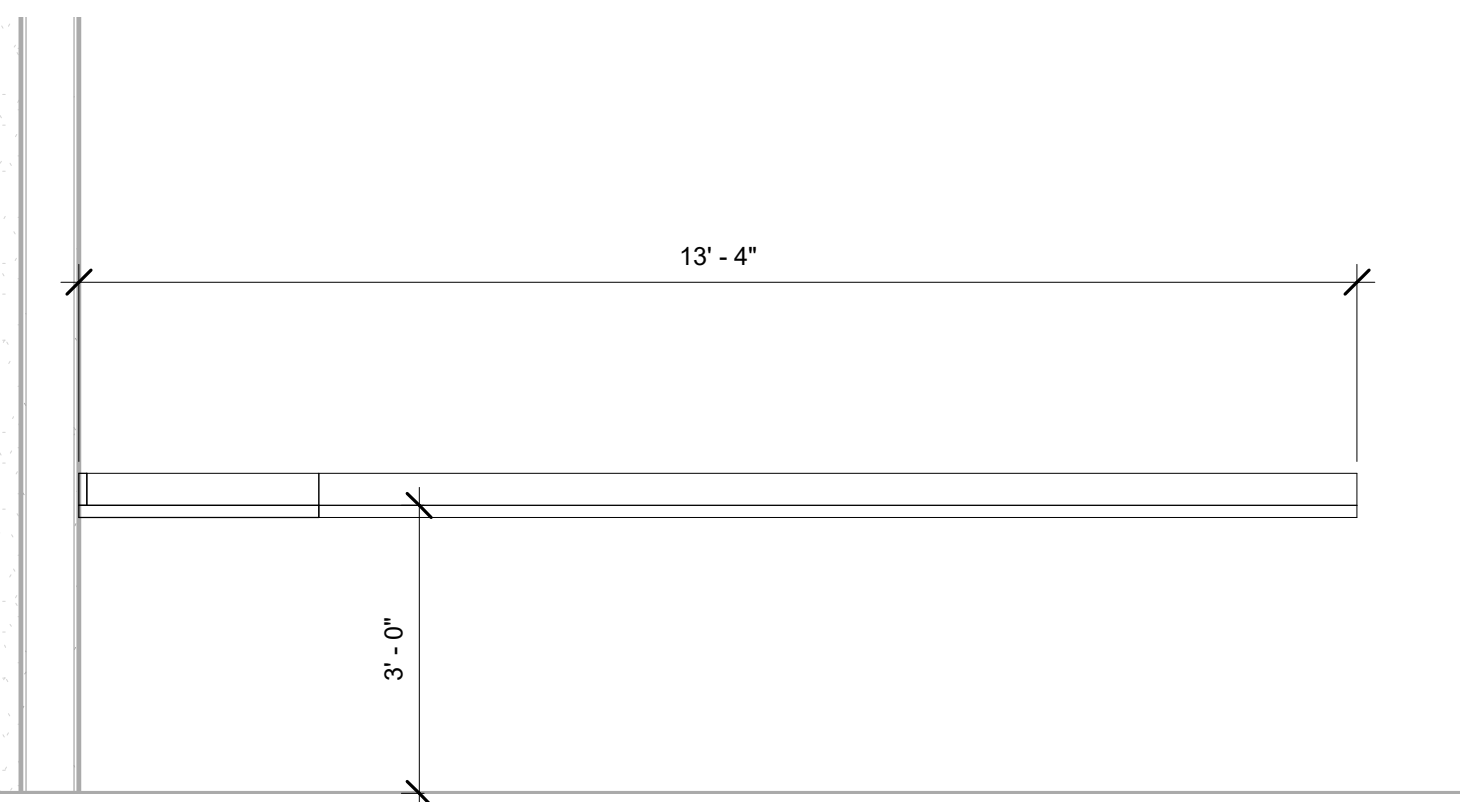
7 B301 - Health Assist - North
1/2" = 1'-0"



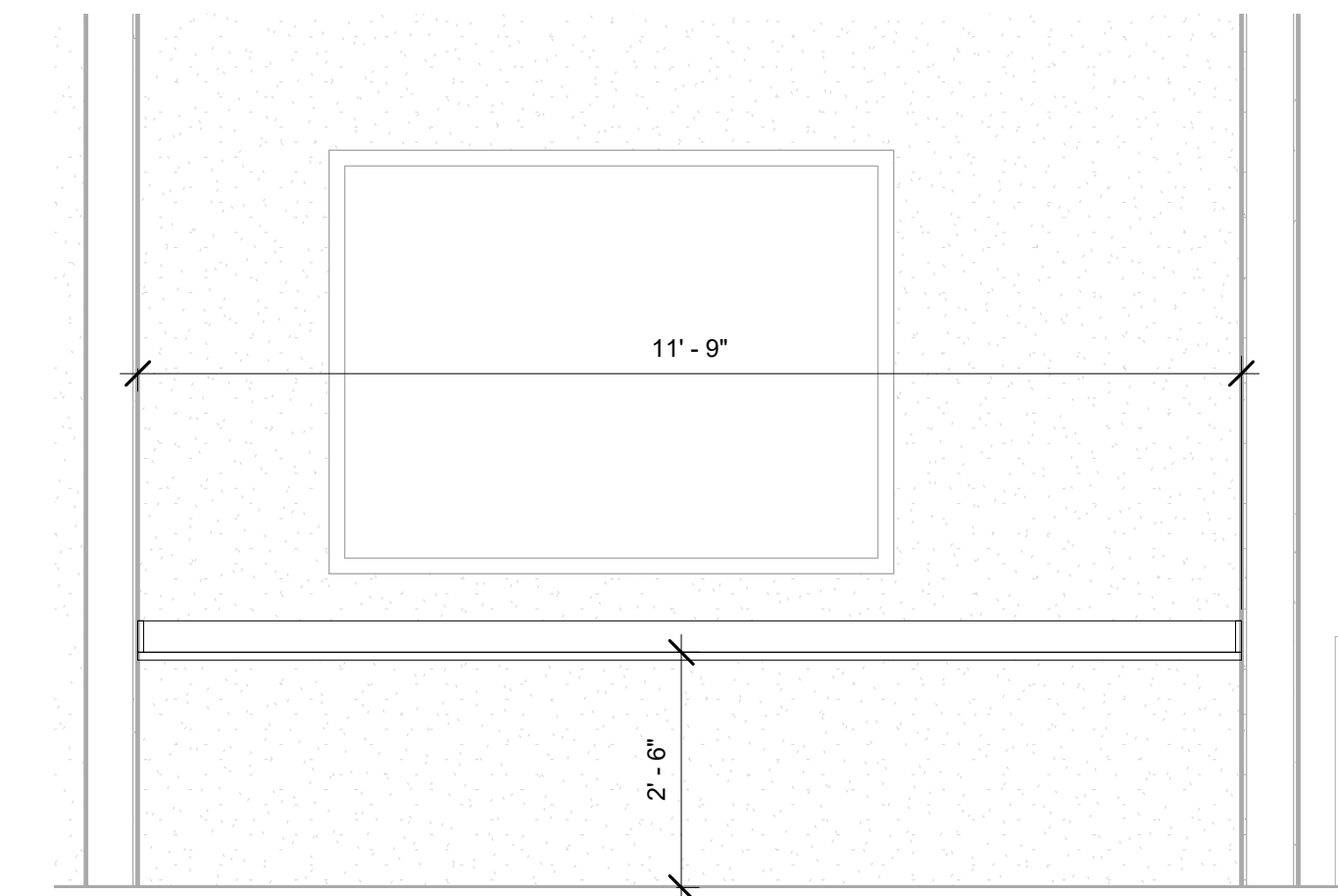
8 B301D - Health Assist - Office - South
1/2" = 1'-0"



9 B301D - Health Assist - Office - West
1/2" = 1'-0"



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

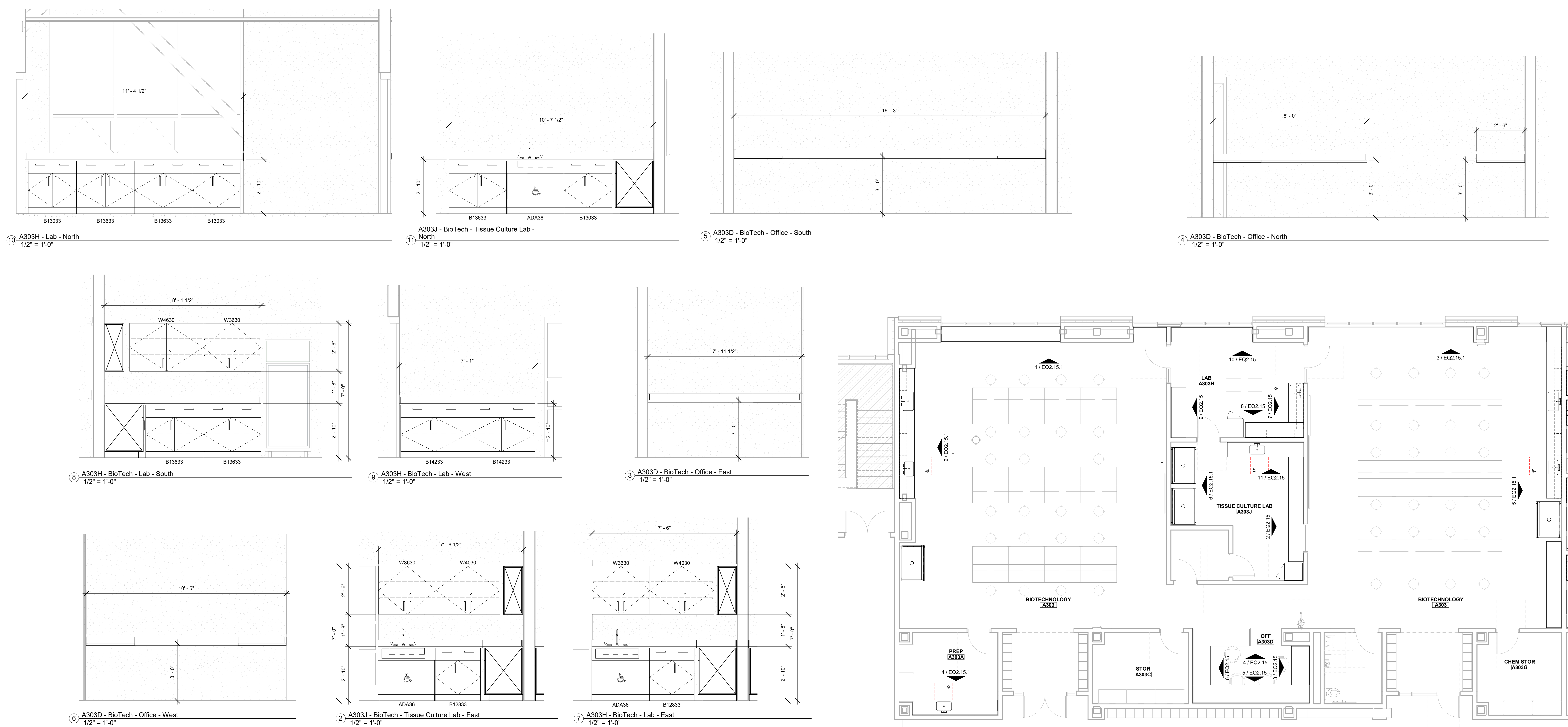


11 B301J - Health Assist - Observation
1/2" = 1'-0"



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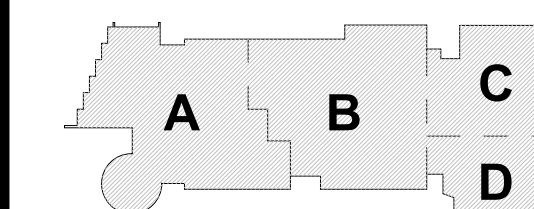
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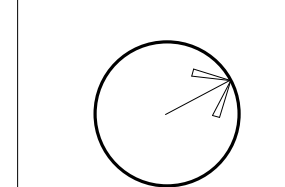
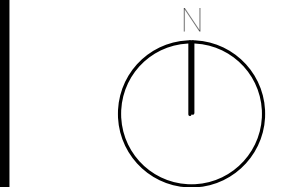
08/04/2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



BIOTECH Casework & Equipment

Scale: As indicated
Job No.: 20202
Drawn By: DRA
Date: 08/04/2022

EQ2.15



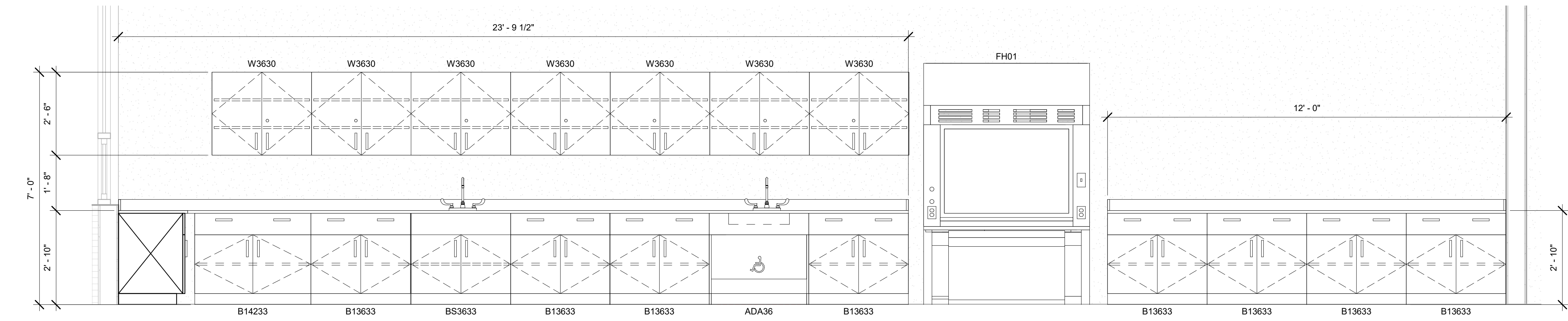
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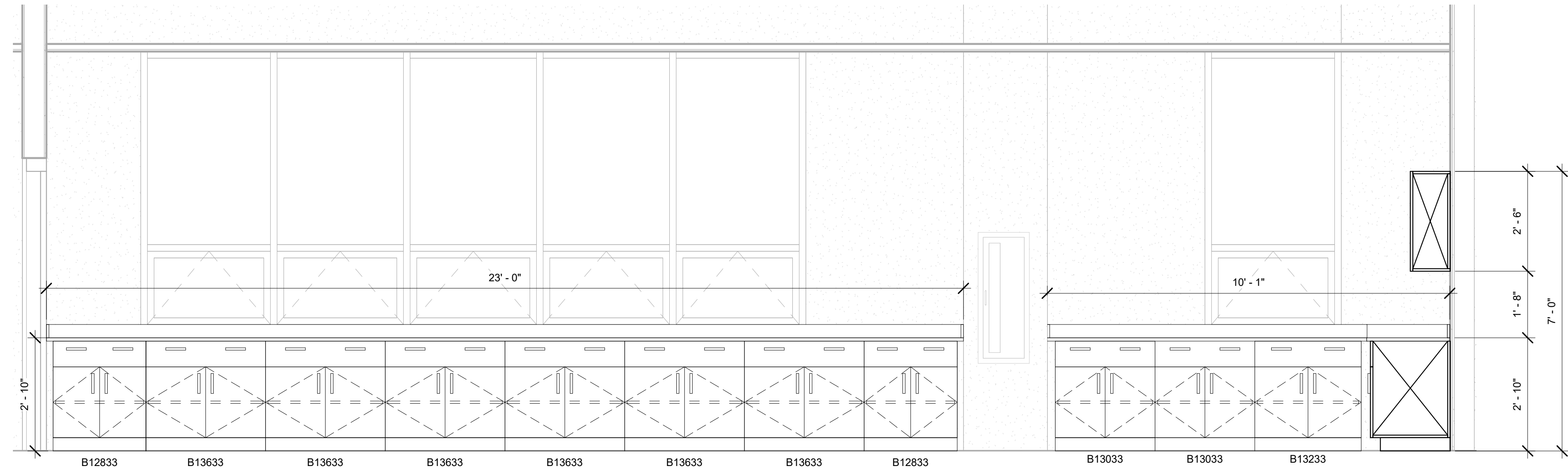
Planning | Architecture | Interior Design

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Metropolitan
Regional
Vocational High School

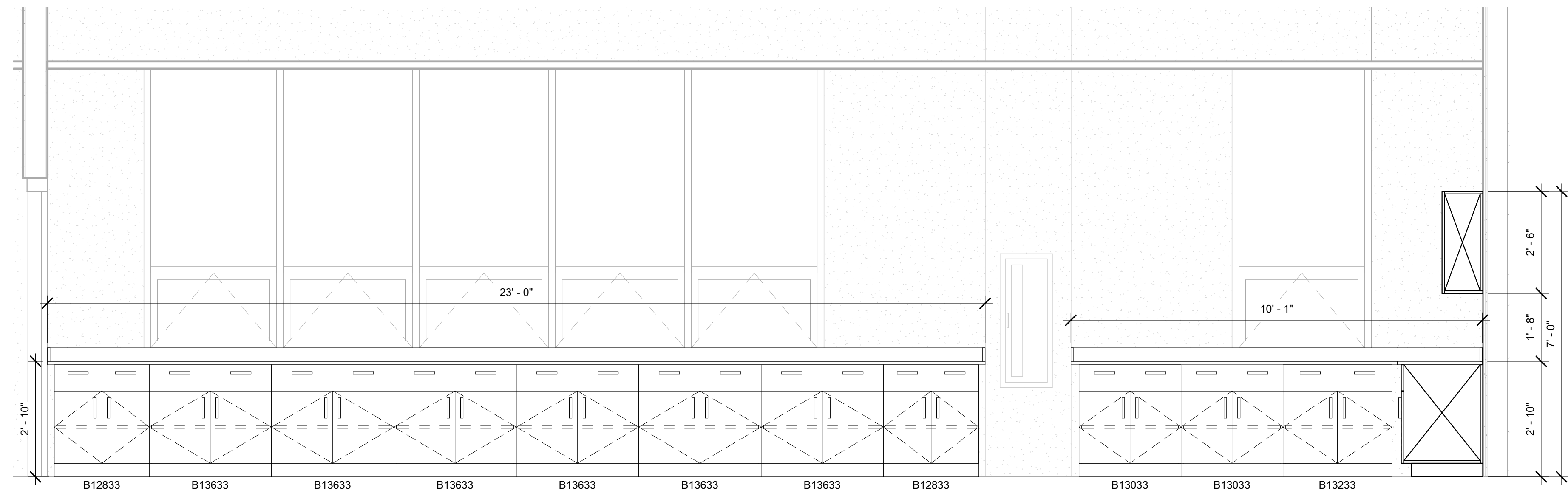
Wakefield, MA 01880



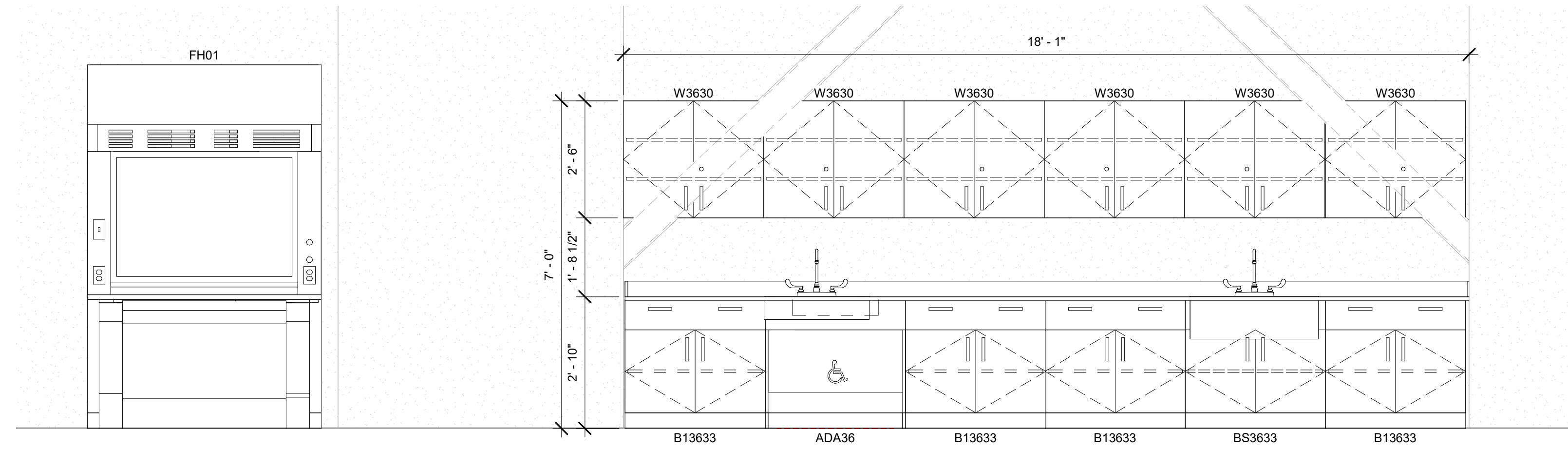
6 A303 - BioTech - East
1/2" = 1'-0"



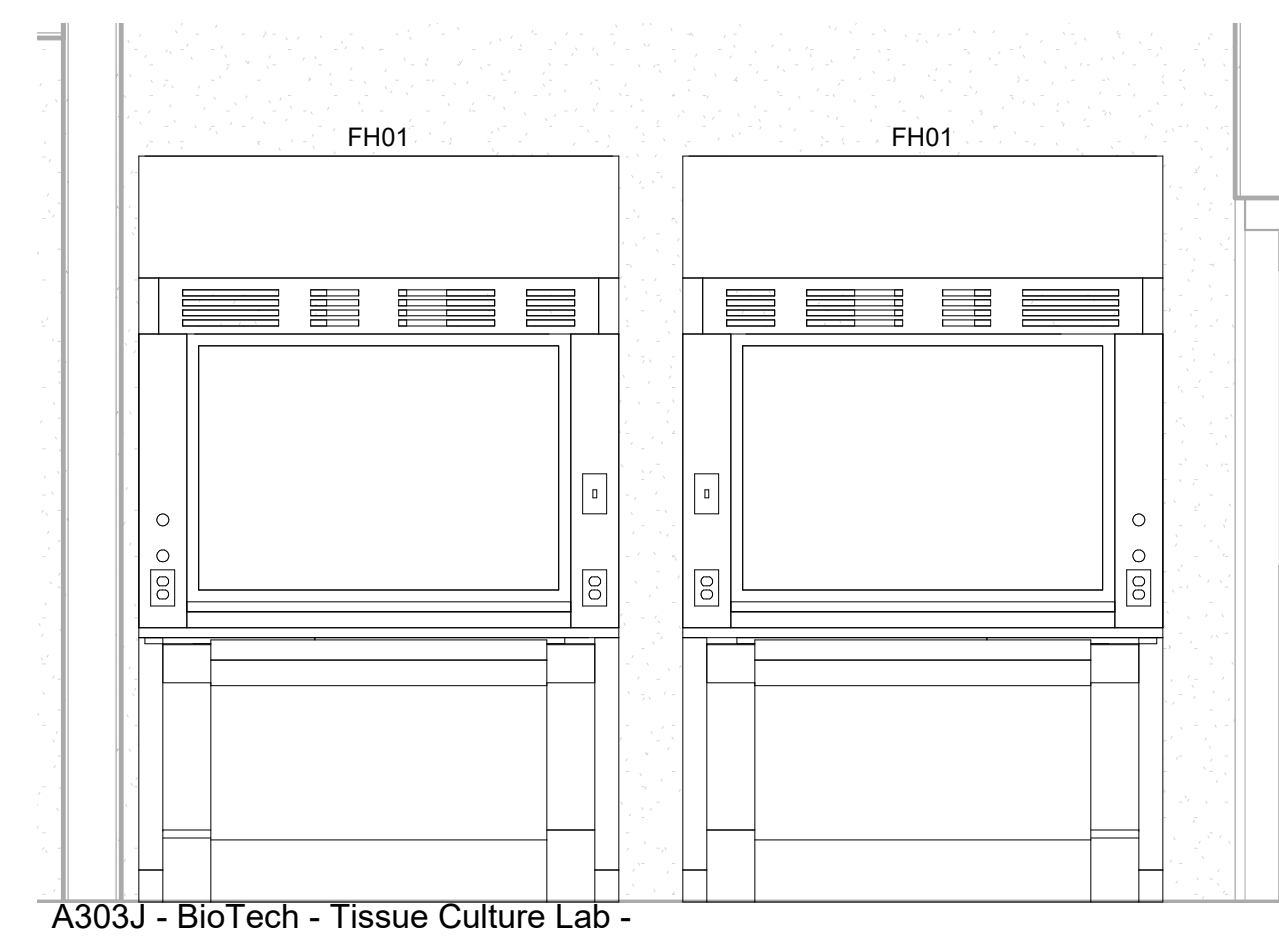
3 A303 - BioTech - North (2)
1/2" = 1'-0"



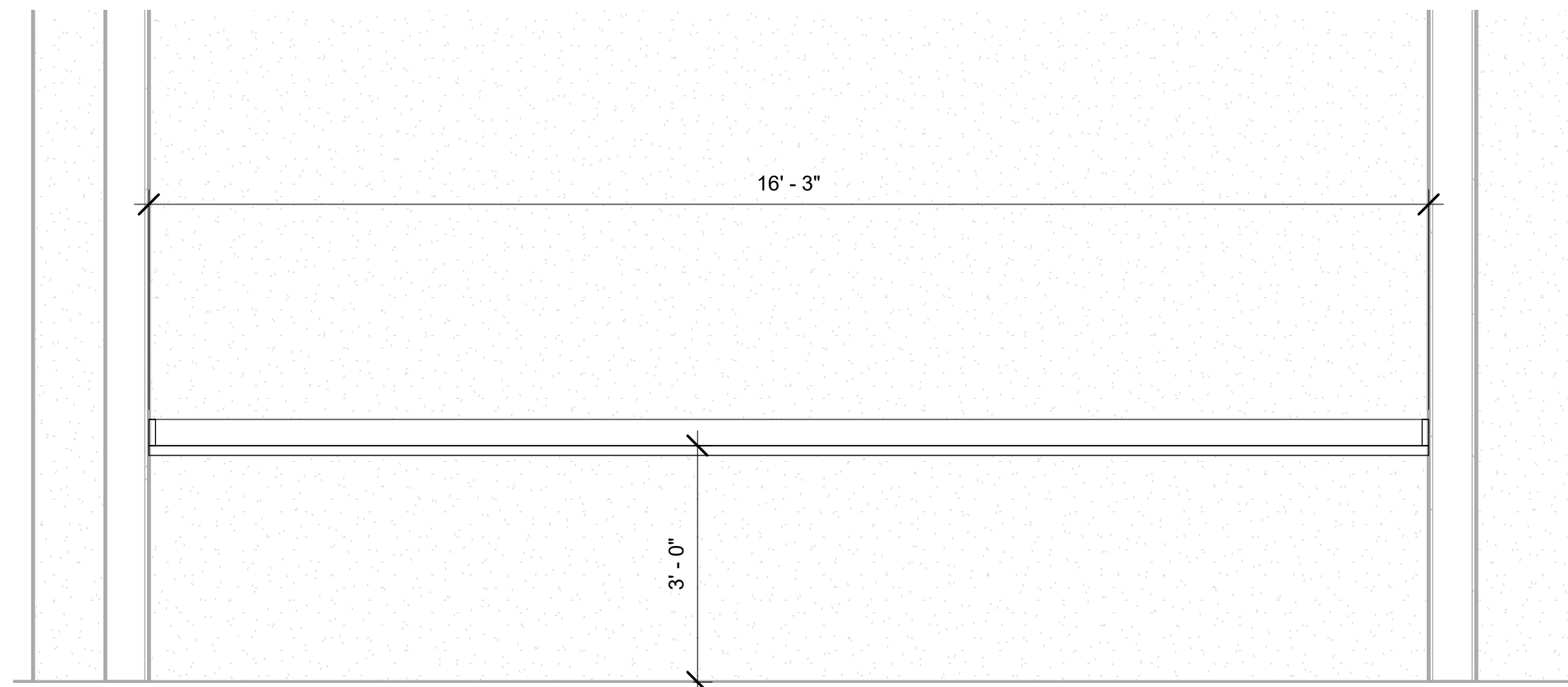
1 A303 - BioTech - North (1)
1/2" = 1'-0"



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



A303J - BioTech - Tissue Culture Lab - West
6 1/2" = 1'-0"

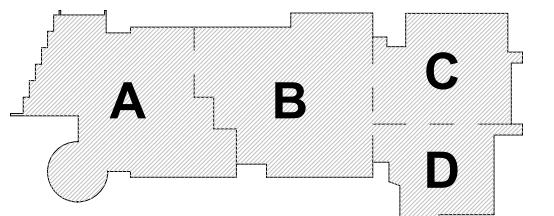


4 A303A - BioTech - Prep
1/2" = 1'-0"

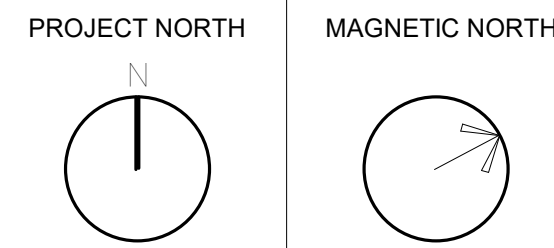
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KEY PLAN



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Drawn By: DRA
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EQ2.15.1