

GENERAL NOTES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE NEW JERSEY UNIFORM CONSTRUCTION CODE (NJAC 5:23) AND ALL APPLICABLE MODEL BUILDING SUBCODES, INCLUDING BUT NOT LIMITED TO:
 NEW JERSEY INTERNATIONAL BUILDING CODE, 2018
 ICC/ANSI 117.1, 2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES INTERNATIONAL MECHANICAL CODE, 2018
 NATIONAL ELECTRICAL CODE, 2017
 NATIONAL STANDARD PLUMBING CODE, 2018

ALL WORK SHALL BE PERFORMED DURING NORMAL WORK HOURS, AS SET FORTH IN THE MUNICIPAL ORDINANCE WHICH HOLDS JURISDICTION OVER THE AREA OF WORK, UNLESS SPECIFICALLY PROVIDED OTHERWISE IN THESE CONTRACT DOCUMENTS, SPECIFICATIONS, OR OTHER WRITTEN AGREEMENTS BETWEEN OWNER AND CONTRACTOR.

THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK-SITE AND PROTECT ALL BUILDING MATERIALS FROM THE ELEMENTS AND FROM ON-GOING CONSTRUCTION WORK AS NECESSARY TO MAINTAIN THE MATERIAL INTEGRITY.

THE AREA OF WORK SHALL BE SEPARATED FROM ALL OTHER OCCUPIED AREAS BY MINIMUM 6 MIL POLY ETHYLENE DUST CURTAIN, WHERE AREAS OF WORK ARE ADJACENT TO PUBLIC AREAS TO BE OCCUPIED AND CONSTRUCTION PARTITIONS ARE NOT SPECIFIED IN OTHER AREAS OF THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, THE AREA OF WORK SHALL BE SEPARATED BY A UL DESIGN U465 ONE HOUR CONSTRUCTION PARTITION FROM FLOOR TO CEILING ABOVE THE MIN. 5/8" G.W.B. EACH SIDE OF 3-5/8" METAL STUD FRAMING AT 16" O.C. AND 3" S.A.F.B. IN THE STUD CAVITY. ALL CONSTRUCTION PARTITION REQUIREMENTS SHALL COMPLY WITH NJAC 5:23-9.6(C) IN ALL CASES.

WHEN NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS, ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY HAVING JURISDICTION OVER THE PROJECT AREA AND ICC/ANSI 117.1, 2009

ALL LANDSCAPING SHALL BE INSTALLED AT SUCH TIME SO AS TO BE IN HEALTHY CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION. ANY LANDSCAPE MATERIALS NOT IN SUCH CONDITION AT THE TIME OF SUBSTANTIAL COMPLETION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, GROWING SEASON, AND CONSTRUCTION SCHEDULE IN SCHEDULING INSTALLATIONS AFTER SUBSTANTIAL COMPLETION.

ALL BEARING SOIL SHALL BE UNDISTURBED OR 100% COMPACTED SOIL TO ACCOMMODATE THE INSTALLATION OF FOOTINGS, FOUNDATION WALLS, PILING, ETC. WHEN NOT INDICATED OTHERWISE IN THESE CONTRACT DOCUMENTS AND SPECIFICATIONS VIA SOIL REPORT, BEARING CAPACITY OF THE SOIL IN THE AREA OF WORK SHALL BE CONSIDERED TO BE 3,000 PSF WITHOUT DETRIMENTAL SETTLEMENT. IN SUCH CASES, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TESTING TO VERIFY THIS CONDITION PRIOR TO COMMENCEMENT OF WORK.

FOOTINGS SHALL BE LOCATED A MINIMUM OF 30" BELOW GRADE, UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

IN PERFORMING ANY EARTHWORK, ALL EXCAVATED AREAS SHALL BE PROVIDED WITH TEMPORARY SUPPORTS AND/OR SHORING TO PREVENT ANY COLLAPSE. EXCAVATED SOILS, FILL, ETC. SHALL BE STORED SO AS NOT TO EXCEED THE ANGLE OF REPOSE FOR EACH TYPE. ALL BEARING SOIL, WHEN EXCAVATED AND STORED SHALL BE PROPERLY PROTECTED FROM THE ELEMENTS UNTIL BACKFILLING.

BACKFILLING SHALL BE PERFORMED IN MAX. 6' LIFTS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS. EACH LIFT SHALL BE TAMPED PRIOR TO CONTINUING WORK.

ALL MISCELLANEOUS WOOD SHALL BE MIN. NO. 1 OR BETTER DOUGLASS FIR, WOOD NAILERS, BLOCKING, ETC. IN FOUNDATION CONSTRUCTION SHALL BE TREATED TO RESIST DECAY.

ALL CRAWL SPACES AND SLAB ON-GRAD CONDITIONS SHALL BE PROVIDED WITH 6 MIL. POLYETHYLENE VAPOR BARRIER FOR THE ENTIRE FOOTPRINT AND MIN. 24" WIDE 2" RIGID INSULATION AT THE ENTIRE PERIMETER OF THE BUILDING FOOTPRINT.

ALL CONCRETE TO BE PROVIDED SHALL BE MIN. 4,000 PSI IN 28 DAYS UNLESS INDICATED OTHERWISE IN THESE DOCUMENTS.

ALL CONCRETE MASONRY UNITS WHEN LOAD-BEARING SHALL CONFORM TO ASTM C34-84. IN NON-LOAD-BEARING APPLICATIONS MASONRY UNITS SHALL COMPLY WITH C56-81.

ALL DOORS AND WINDOWS AT EXTERIOR WALLS SHALL BE PROVIDED WITH ALUM. SILL FLASHING UNDER THE ENTIRE WIDTH OF THE OPENING. AT WINDOW AREAS, FLASHING SHALL HAVE UPTURNED EDGES WITH SOLDERED CORNERS AND PITCH TO THE EXTERIOR. ALL WINDOWS AND DOORS SHALL BE PROVIDED WITH SHIM SPACES AT THE PERIMETER TO ENSURE A PLUMB AND TRUE INSTALLATION.

ALL GLAZING IN HAZARDOUS AREAS AS DEFINED IN 2406.2 SHALL BE TEMPERED GLAZED SAFETY GLASS AND SHALL BE IMPACT-RESISTANT GLAZED OPENINGS.

ALL GYPSUM WALL BOARD TO BE 5/8" FIRECODE 'C' UNLESS INDICATED OTHERWISE IN THE DOCUMENTS.

ALL BATHROOM AND KITCHEN AREAS SHALL BE PROVIDED WITH WATER-RESISTANT G.W.B. TYPICAL. ALL TILE AREAS SHALL BE PROVIDED WITH CEMENTITIOUS BOARD BACK-UP UNLESS INDICATED OTHERWISE.

IN ALL PAINTED WALL AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO MIN. LEVEL 4 FINISH.

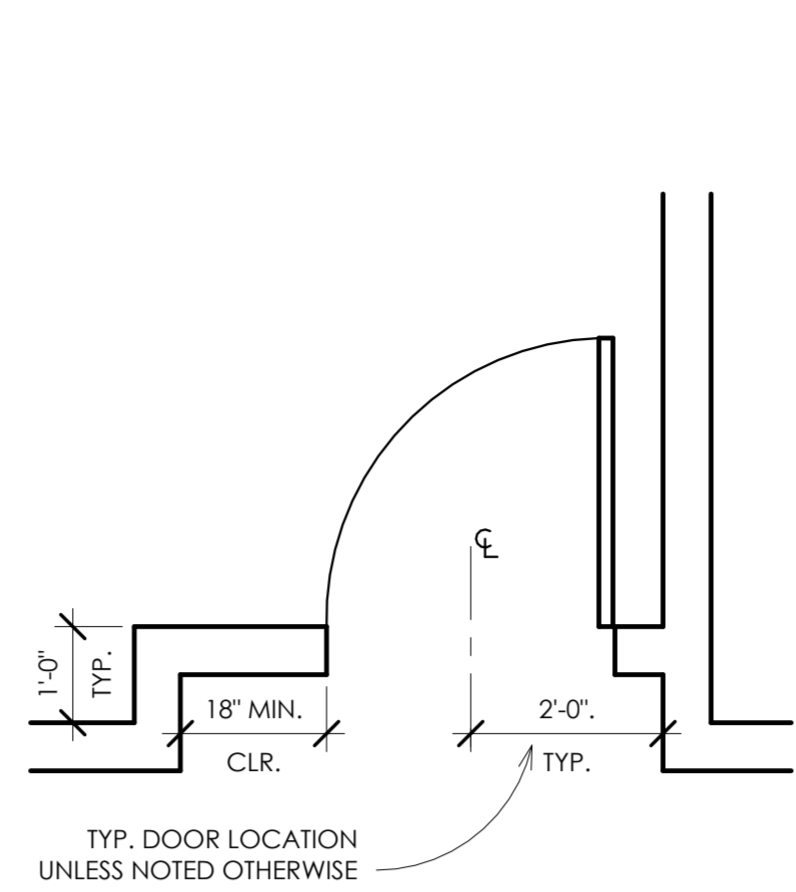
IN ALL WALL-COVERED AREAS, G.W.B. SHALL BE TAPED AND SPACKLED TO MIN. LEVEL 4 FINISH.

SHOP DRAWINGS SHALL BE REQUIRED FOR ALL MILLWORK.

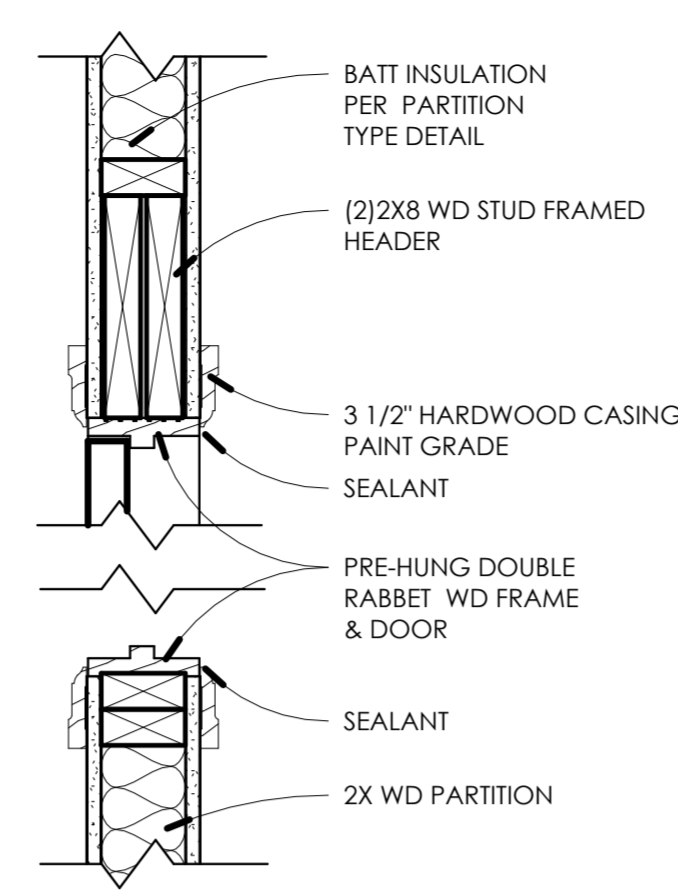
ALL THRESHOLDS AND OTHER FLOORING TRANSITIONS SHALL COMPLY WITH THE FLOOR LEVEL CHANGES CONSTITUTED IN ICC/ANSI 117.1, 2009.

ALL SPECIALTIES, ACCESSORIES, OR OTHER WALL-MOUNTED EQUIPMENT, FIXTURES, ETC. SHALL BE PROVIDED WITH NON-COMBUSTIBLE BLOCKING IN THE WALL CAVITY FOR SUPPORT UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL ELEVATOR PITS (WHERE APPLICABLE) SHALL BE PROVIDED WITH SUMP PUMP CONNECTED TO THE BUILDING STORM WATER SYSTEM. THE PIT SHALL BE PROVIDED WITH A GALV. STEEL ACCESS LADDER MOUNTED IN AN OSHA COMPLIANT LOCATION WITH WORK LIGHT AND SWITCH ACCESSIBLE FROM THE POINT OF ENTRY. ALL ELEVATOR DOORS SHALL BE PROVIDED WITH STRUCTURAL STEEL SILL ANGLES AS REQUIRED BY THE MANUFACTURER.



4 TYP. DOOR DETAIL
1/2" = 1'-0"



3 DOOR HEAD/JAMB DETAIL
1 1/2" = 1'-0"

ALTERATION TO:
3112 ATLANTIC AVE.
ATLANTIC CITY, NJ 08401

OWNER: 3112 ATLANTIC HOLDINGS, LLC
3112 ATLANTIC AVE.
ATLANTIC CITY, NJ 08401
CONTACT: LOUIS FRIEDMAN

ARCHITECT: WILLIAM McLEES ARCHITECTURE
5 MACARTHUR BOULEVARD
SOMERS POINT, NJ 08244
CONTACT: WILLIAM McLEES, AIA
609.927.0888

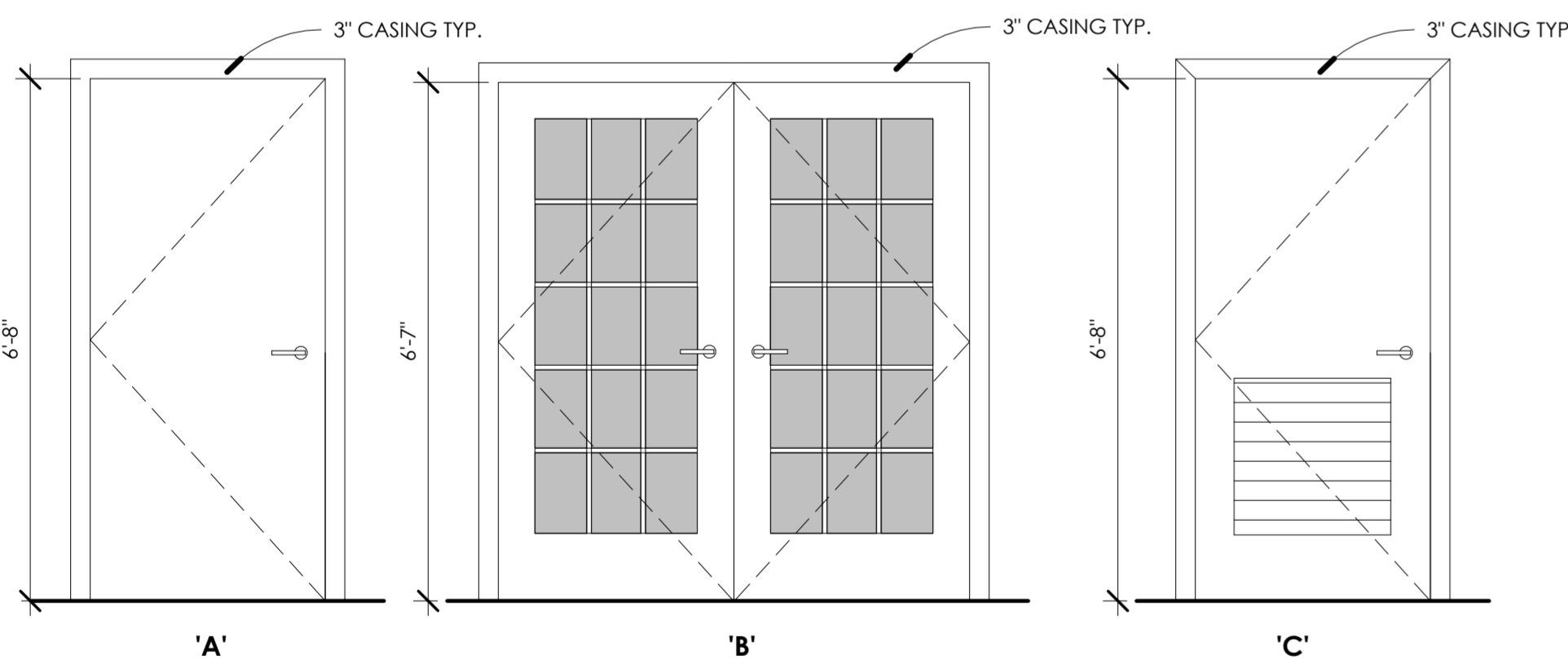
BUILDING CODE ANALYSIS

This work is governed by the New Jersey Uniform Construction Code, New Jersey Edition of the 2018 International Building Code and all other applicable subcodes as adopted therein. This work shall qualify as ALTERATION under the requirements and definitions of the New Jersey U.C.C.

Total Building Areas:	FIRST FLOOR:	Enclosed
	TOTAL:	2,493 S.F.
Building Footprint:		2,493 S.F.
Use Group:		M
Construction Class:		III B

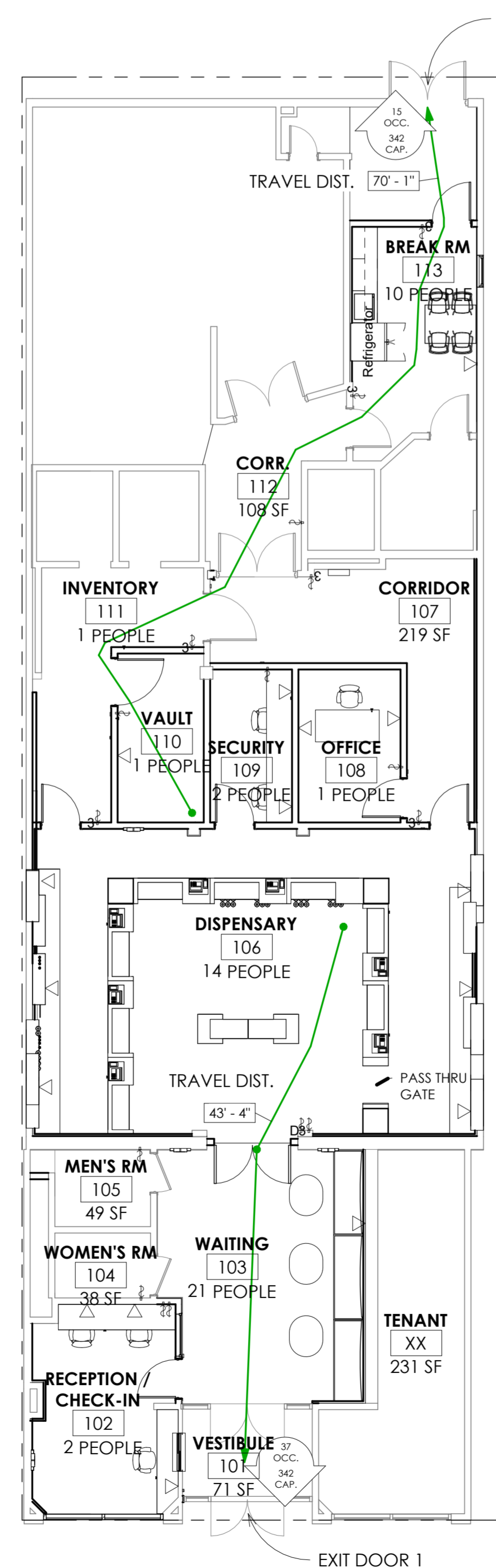
DRAWING LIST						
SHEET NUMBER	SHEET NAME	ISSUE DATE	CURRENT REVISION	REVISION DATE	Drawn By	
GO.00	COVER SHEET	11.15.22	1	4.25.23	Author	
A1.00	FLOOR PLANS	11.15.22	2	5.11.23	Author	
A1.01	REFLECTED CEILING PLAN	11.15.22			Author	
A1.02	MECHANICAL PLAN	11.15.22			Author	
A1.03	POWER PLAN, SECURITY PLAN	11.15.22	1	4.25.23	Author	
A2.00	ELEVATIONS	11.15.22			Author	
A3.00	ENLARGED VIEWS	11.15.22			Author	
A4.00	DETAILS	11.15.22			Author	

HARDWARE SCHEDULE	
TYPE A- EXISTING ENTRY LOCKSET:	SILL MOUNTED DEADBOLT K-K IN COMPLIANCE WITH 1010.2.4
WEATHERSTIPPING:	PEMCO KERF-IN SILICONE WEATHERSTIPPING
SWEEP:	DOOR BOTTOM MOUNTED VINYL SWEEP
TYPE B- SECURITY DOOR LOCKSET:	SMARTAIR I-VOLUTION FULL MORTISE WIRELESS SMART LOCK, W/ ADA COMPLIANT LEVER HANDLE.
CLOSER:	LCN 4000 SERIES, HINGE FACE MOUNTED
HINGES:	STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
STOP:	IVES, CONCAVE
SILENCERS:	(1) SET
TYPE C- RESTROOM LOCKSET:	SCHLAGE CYLINDER LOCKSET, PRIVACY FUNCTION W/ ADA LEVER HANDLE
CLOSER:	LCN 4000 SERIES, STOP FACE MOUNT
HINGES:	STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
STOP:	IVES, CONCAVE
SILENCERS:	(1) SET
TYPE D- SECURITY DOUBLE ACTIVE LEAF LOCKSET:	NONE
INACTIVE LEAF:	HEAD AND SILL MOUNTED FLUSH BOLTS BY HAGER OR APPROVED EQ.
CLOSER:	LCN 4000 SERIES, SOFT FACE MOUNT
HINGES:	KAWNEER TOP AND BOTTOM OFFSET PIVOT
STOP:	IVES, CONCAVE
SILENCERS:	(2) SETS
DOOR COORDINATOR:	ROCKWOOD 2600 SERIES
TYPE E- SECURE/MANTRAP LOCKSET:	SECURITRON M42 MAG LOCK, PROVIDE UL294 LISTED SECURITRON AQL SERIES POWER CENTER W/ RELAY INTERCONNECT WITH DOORS 105-107 SO THAT ONLY ONE DOOR CAN BE OPEN AT ANY ONE TIME SCHLAGE MORTISE LEVER HANDLE, PASSAGE FUNC.
CLOSER:	LCN 4000 SERIES, HINGE FACE MOUNTED
HINGES:	STANLEY FBB SERIES 5 KNUCKLE BALL BEARING
STOP:	IVES, CONCAVE
SILENCERS:	(1) SET
TYPE F- EXIT LOCKSET:	VON DUPRIN RIM MOUNTED EXIT DEVICE
CLOSER:	LCN 4000 SERIES, SOFT FACE MOUNTED
HINGES:	STANLEY FBB SERIES 5 KNUCKLE BALL BEARING
STOP:	IVES, CONCAVE
SILENCERS:	(2) SETS
TYPE G- DOUBLE DOOR ACTIVE LEAF LOCKSET:	SCHLAGE PASS FUNCTION CYLINDER LOCKSET
INACTIVE LEAF:	HEAD AND SILL MOUNTED FLUSH BOLTS BY HAGER OR APPROVED EQ.
CLOSER:	LCN 4000 SERIES, SOFT FACE MOUNT
HINGES:	STANLEY FBB SERIES 5 KNUCKLE BALL BEARING
STOP:	IVES, CONCAVE
SILENCERS:	(2) SETS

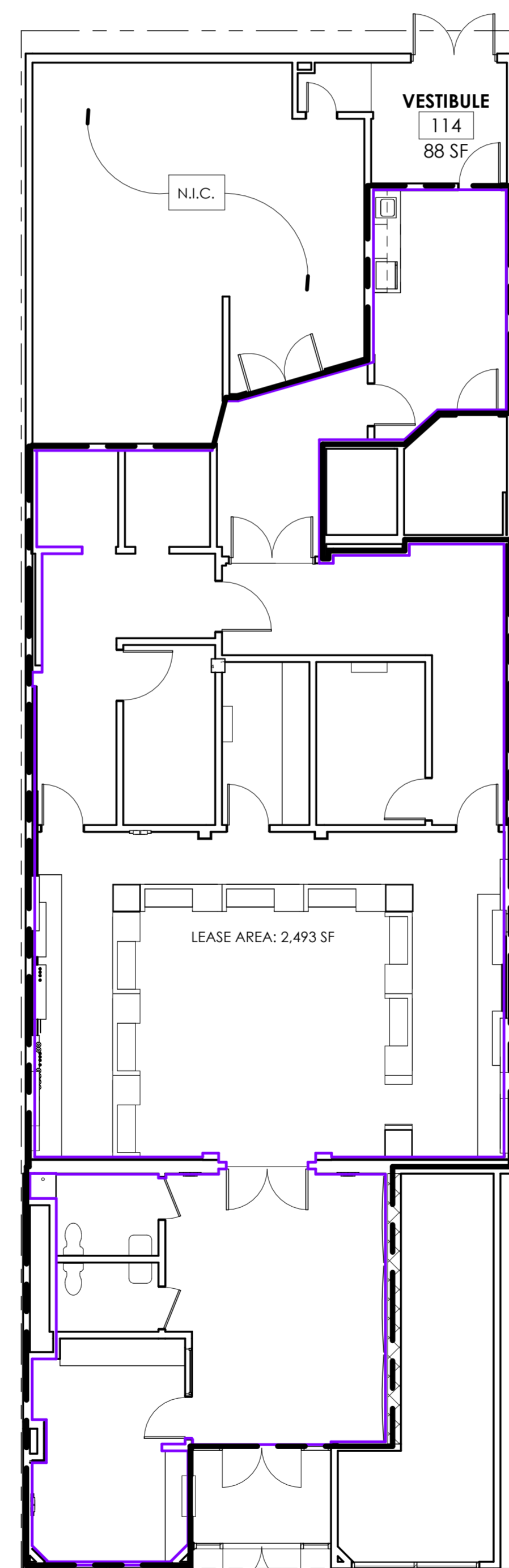


5 DOOR TYPES
1/2" = 1'-0"

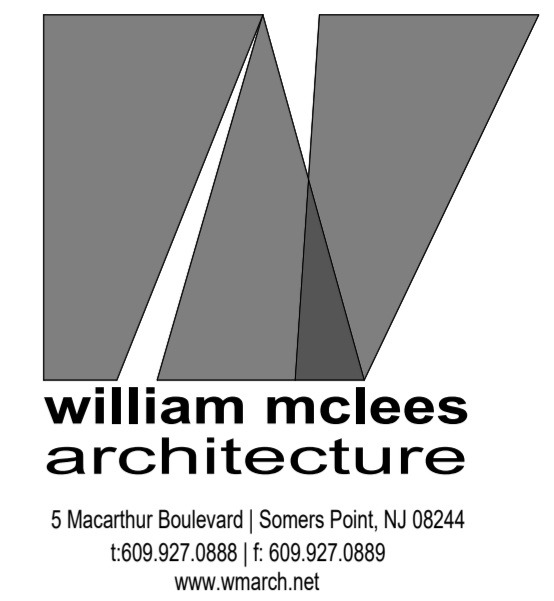
DOOR SCHEDULE								
NUMBER	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	RATING	HARDWARE	NOTES
100	5'-10"	7'-0"	WD	EX'G	HM	-	A	EX'G
101	3'-0"	7'-0"	WD	A	HM	-	B	
102	3'-0"	7'-0"	WD	C	HM	-	C	
103	3'-0"	7'-0"	WD	C	HM	-	C	
104	6'-0"	7'-0"	WD	B	HM	-	D	
105	3'-0"	7'-0"	WD	A	HM	-	E	
106	3'-8"	7'-0"	HM	A	HM	-	E	
107	3'-8"	7'-0"	HM	A	HM	-	E	
108	3'-0"	7'-0"	WD	A	HM	-	B	
109	3'-0"	7'-0"	WD	A	HM	-	B	
110	3'-0"	7'-0"	WD	A	HM	-	F	
111	3'-0"	7'-0"	WD	A	HM	-	E	
112	6'-0"	6'-8"	WD	B	HM	-	G	



2 LIFE SAFETY PLAN
1/8" = 1'-0"



1 1ST FLOOR AREA PLAN
1/8" = 1'-0"



William C. McLees
AIA, LEED AP
New Jersey State License A1 14054
Pennsylvania State License RA403479



William McLees Architecture, LLC
New Jersey State Certificate of Authorization # 21AC0005500

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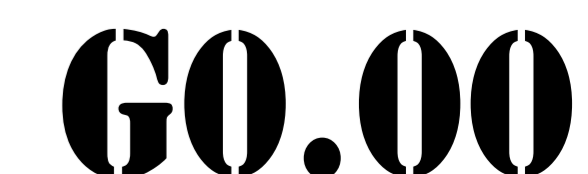
3112 ATLANTIC AVENUE
ATLANTIC CITY, NJ 08401

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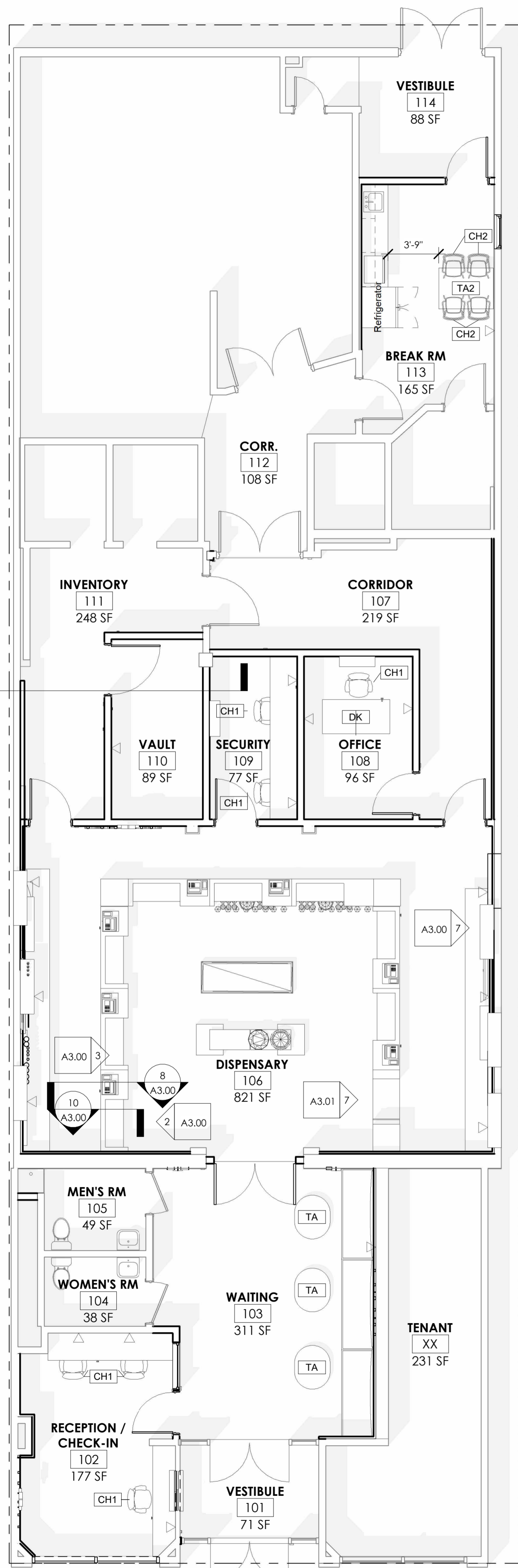
No.	Description	Date
1	BLDG COMMENTS	4.25.23

COVER SHEET

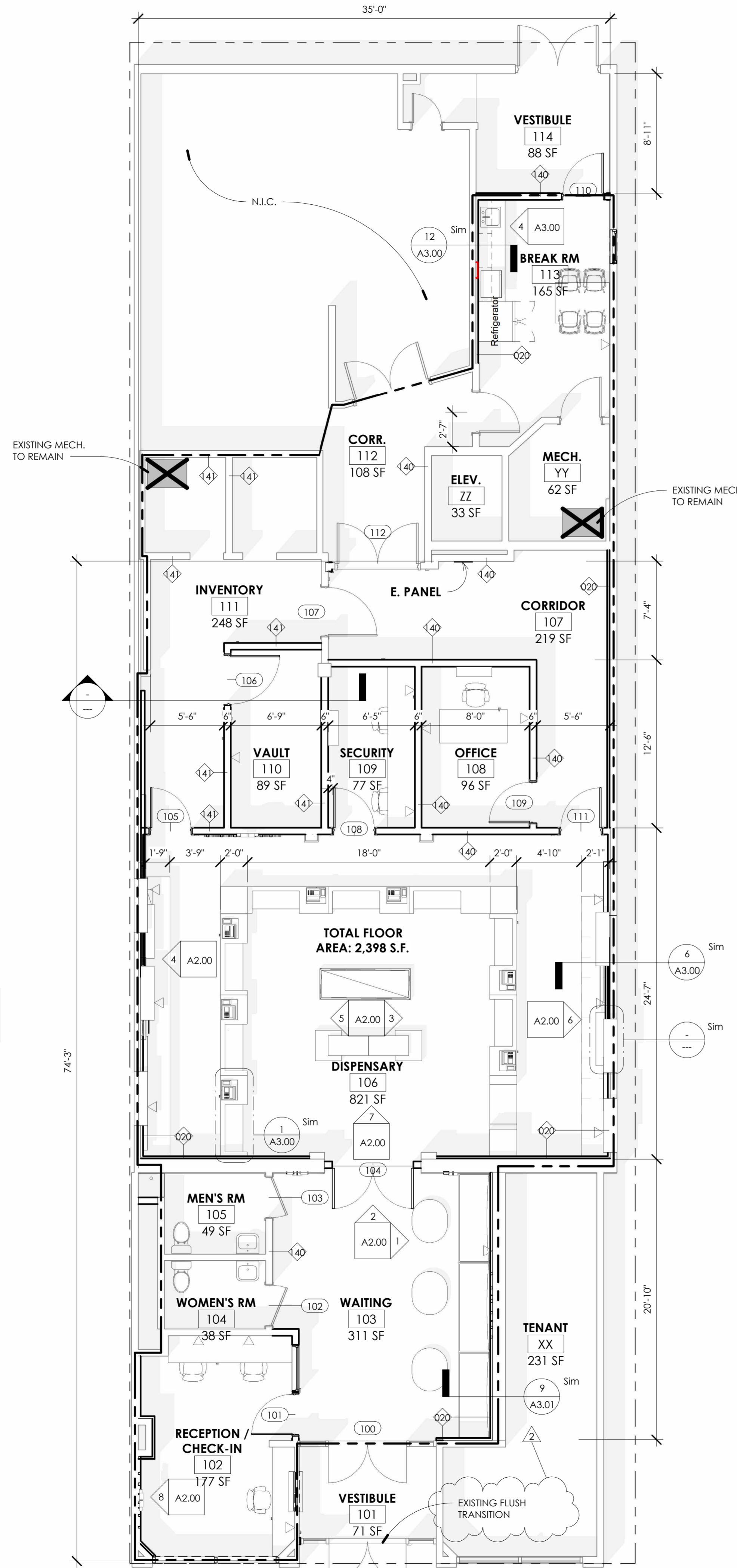
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 Drawn by: Author
 Date: 11.15.22



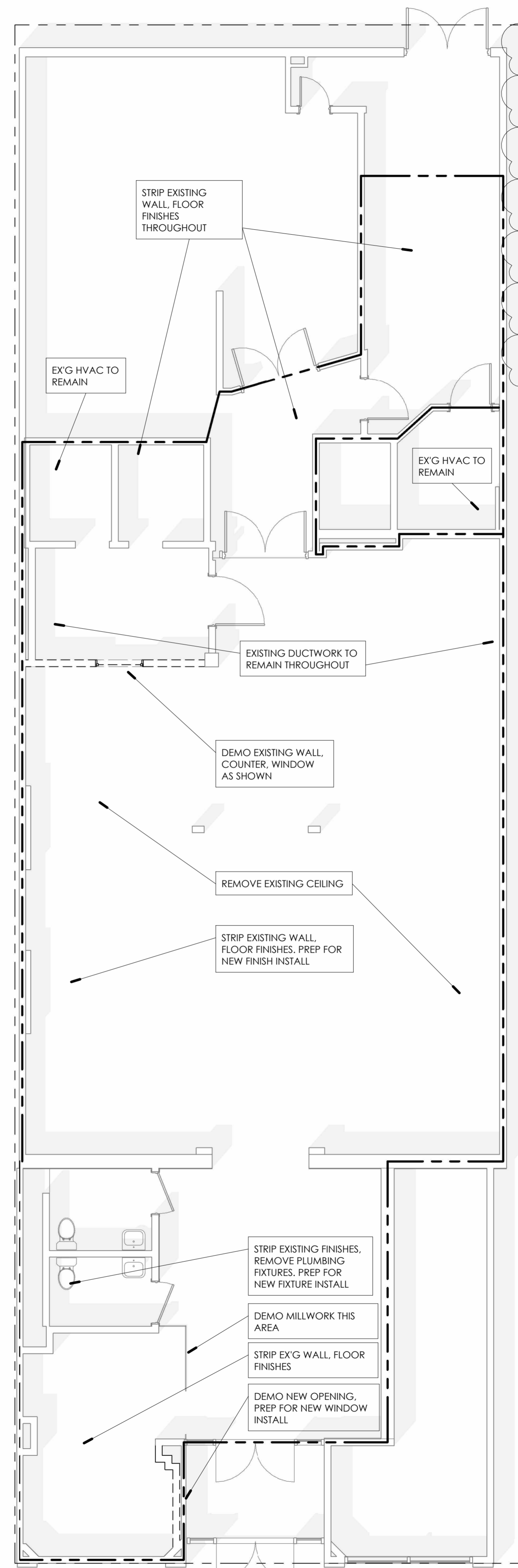
Comission no. 22018



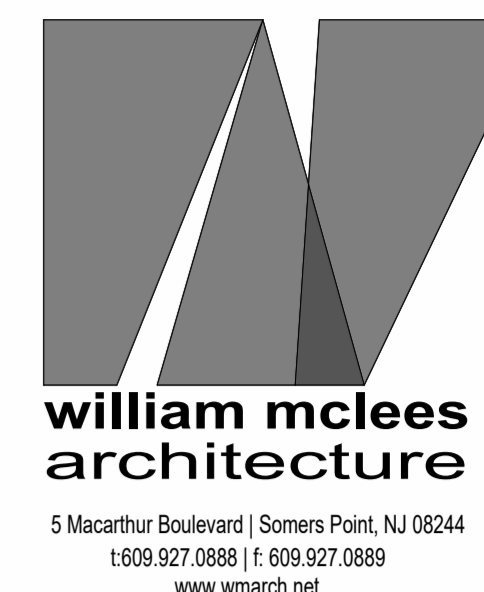
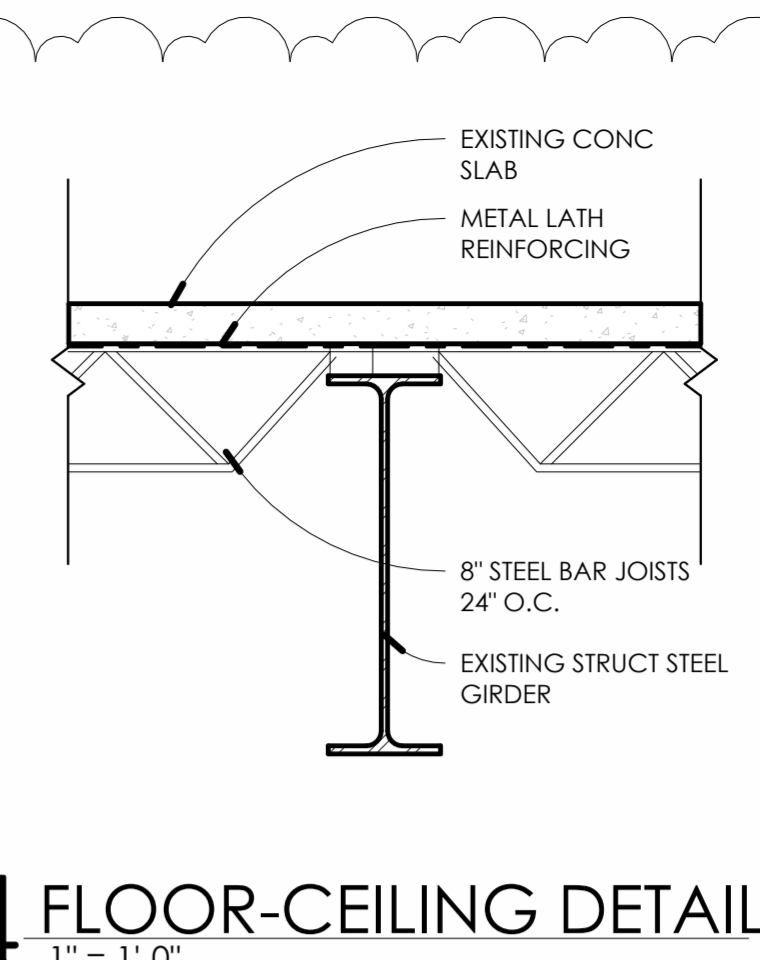
3 F, F, & E FLOOR PLAN
3/16" = 1'-0"



2 CONSTRUCTION FLOOR PLAN
3/16" = 1'-0"



1 1ST FLR DEMO PLAN
3/16" = 1'-0"



William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479



William C. McLees Architecture, LLC
New Jersey State Certificate of Authorization # 21AC0055500

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3112 ATLANTIC HOLDINGS, LLC

3112 ATLANTIC AVENUE ATLANTIC CITY, NJ 08401

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No.	Description	Date
2	BLDG COMMENTS	5.11.23

FLOOR PLANS

Scale As indicated
Drawn by Author
Date 11.15.22

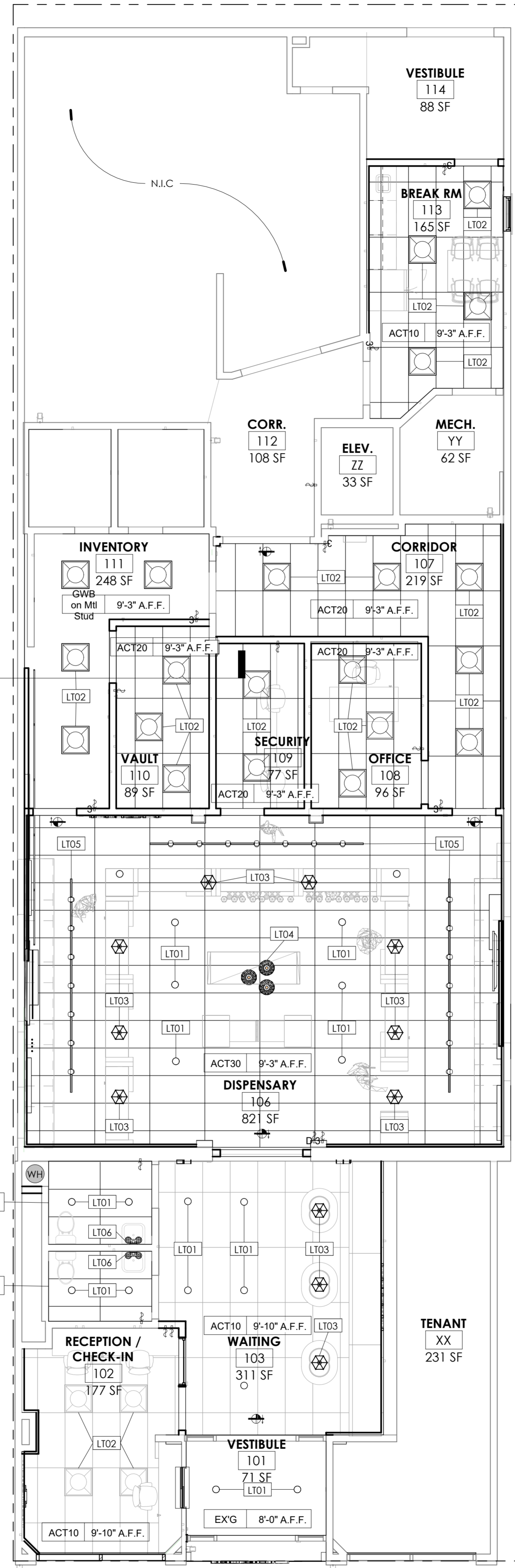
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Comission no. 22018

FINISH SCHEDULE												
Room Number	Room Name	Floor Finish	Base Finish	Ceiling Finish	Wall Finish				CASEWORK			Comments
					North	East	South	West	Base Cabinets	Countertop	Upper Cabinets	
101	VESTIBULE	EX'G	WB	EX'G								
102	RECEPTION / CHECK-IN	LAM1	WB	ACT10	PT5	PT5	PT5	PT3, PT5				SEE INTERIOR ELEVATIONS
103	WAITING	LAM1	WB	ACT10	PT1, WC2	WC1	PT1	PT1				SEE INTERIOR ELEVATIONS
104	WOMEN'S RM	T2	WB	ACT20	PT2	PT5	PT5	PT5				
105	MEN'S RM	T2	WB	ACT20	PT3	PT5	PT5	PT5				
106	DISPENSARY	LAM1	WB	ACT30	PT2, PT4, WC3	PT3, PT4	PT5	PT3, PT4	WV1	WV1, CT1		SEE INTERIOR ELEVATIONS, FLOATING SHELVES IN WV1 OR CLOSEST MATCH AVAIL.
107	CORRIDOR	LAM1	WB	ACT20	PT5	PT5	PT5	PT5				
108	OFFICE	LAM1	WB	ACT20	WC2	PT5	PT5	PT5				
109	SECURITY	LAM1	WB	ACT20	PT5	PT5	PT5	PT5				
110	VAULT	LAM1	WB	GWB	PT5	PT5	PT5	PT5				
111	INVENTORY	LAM1	WB	GWB	PT5	PT5	PT5	PT5				
112	CORR.	LAM1	WB	EX'G	PT5	PT5	PT5	PT5				
113	BREAK RM	LAM1	WB	ACT10	PT1	PT3	PT1	PT1	WV1	CT1	WV1	
114	VESTIBULE	LAM1	WB	PT5	PT5	PT5	PT5	PT5				

FINISH LEGEND					
Mark	Description	Manufacturer	Product	SKU	Notes
LAM1	Flooring: Laminate	Porcelanosa	Ac4 Endless 1L Laminate: Long Island	100199485	
T2	Flooring: Tile	New Jersey Tile and Stone	Level: Dark Grey	EX.LV.DGR.1224.R EC	
WB	Wall Base	Mohawk Group	Coved Rubber Wall Base: Charcoal Brown	CRW05-889-01B01 B-PL	
WC1	Wallcovering	HD Walls	Bryophyta: Earth	HDW-BRYOPHYTA-M01B	
WC2	Wallcovering	Rollout	Rhythm: Black and White	RT-014.01	
WC3	Wallcovering	Rollout	Caverna: Green	FoN-003.01	
PT1	Paint	Sherwin Williams	Everyday White	6077	
PT2	Paint	Sherwin Williams	Silver Peony	6547	
PT3	Paint	Sherwin Williams	Evergreen Fog	9130	
PT4	Paint	Benjamin Moore	Bracken Slate	CW-690	
PT5	Paint	Sherwin Williams	Nebulous White	7063	
WV1	Wood Veneer	New Leaf Performance Veneers	Rosewood, Quarter Sawn, Natural	V037	
CT1	Countertop: Laminte	Formica	White Bardiglio	9306-58	

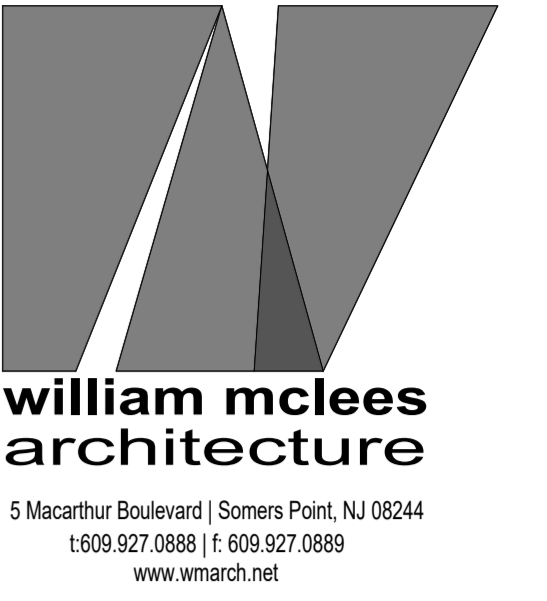
LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTS	MTG	NOTES
FL							
LT01							
LT02							
LT03							
LT04							
LT05							
LT06							



REFLECTED CEILING LEGEND

- 9'-0" GWB CEILING TAG
- CEILING FINISH MATERIAL
- CEILING HT. A.F.F.
- T THERMOSTAT
- DIRECT VENT THRU ROOF
- SUPPLY DIFFUSER
- RETURN VENT
- SMOKE DETECTOR
- CO DETECTOR
- ELEC. ELECTRICAL PANEL
- EXIT SIGN
- EMERGENCY LIGHT
- CEILING MOUNTED FIXTURE
- 2x2 TROFFER
- WALL MOUNTED FIXTURE
- SMALL PENDANT FIXTURE
- LARGE PENDANT/ CHANDELIER
- LINEAR SURFACE MOUNT LIGHT FIXTURE
- COVE LIGHT
- FAN/LIGHT
- TRACK LIGHT

I REFL. CEILING PLAN
3/16" = 1'-0"



William C. McLees
AIA, LEED AP
New Jersey State License A1 14054
Pennsylvania State License RA403479



William McLees Architecture, LLC
New Jersey State Certificate of Authorization # 21AC0005500

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3112 ATLANTIC HOLDINGS, LLC

3112 ATLANTIC AVENUE ATLANTIC CITY, NJ 08401

PERMIT SET

No.	Description	Date

REFLECTED CEILING PLAN

Scale As indicated
Drawn by Author
Date 11.15.22

A1.01

Comission no. 22018

MECHANICAL NOTES

GENERAL

- GENERAL NOTES, SYMBOLS, LISTS AND DETAILS ARE APPLICABLE TO ALL MECHANICAL DRAWINGS LABELED "M."
- THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS AND LABOR TO PROVIDE COMPLETE AND WORKING MECHANICAL SYSTEMS WHETHER SPECIFIED OR IMPLIED.
- THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ALL THE LOCAL CODE, STATE LAWS, AGA, BOCA, NFPA, NSFC, ASME AND ALL OTHER GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS AS REQUIRED.
- DO NOT SCALE THE DRAWINGS FOR EXACT DIMENSIONS, VERIFY ALL FIGURES, CONDITIONS, DIMENSIONS, ETC. AT THE JOB SITE.
- CONTRACTOR SHALL GUARANTEE THE COMPLETE INSTALLATION AGAINST DEFECTS IN THE WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE. THE GUARANTEE SHALL BE BINDING REGARDLESS OF THE MANUFACTURER'S GUARANTEE AND THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE MATERIALS OR PARTS REGARDLESS OF CAUSE INCLUDING DEFECTS TRACEABLE TO IMPROPER MAINTENANCE OR MALICIOUS DESTRUCTION OR ACTS OF GOD AFTER THE SYSTEM HAS BEEN ACCEPTED BY THE OWNER.)
- THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO PREVENT INTERFERENCE BETWEEN BEAMS, STRUCTURES, PIPING, LIGHTING, FIXTURES, ETC.
- ALL MECHANICAL EQUIPMENT SHALL BE LOCATED AT A MINIMUM FLOOR ELEVATION OF 10.0 MSL OR EQUAL. PROVIDE ALL NECESSARY STRUCTURES.
- ALL MATERIALS USED IN CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS, A SMOKE DEVELOPMENT RATING OF 50 OR LESS, AND A FUEL CONTRIBUTED RATING OF 25 OR LESS. ALL MATERIALS SHALL BE "SELF-EXTINGUISHING."
- ALL PIPING, CONDUIT AND DUCT PENETRATIONS OF "FIRE RATED BUILDING CONSTRUCTION" SHALL BE SLEEVED AND SEALED WITH A FIRE BARRIER MATERIAL EQUAL TO 3M "PENETRATING SEALING SYSTEM." REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING OF BUILDING CONSTRUCTION.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE THREE (3) COMPLETE SETS OF BOUND OPERATING AND MAINTENANCE INSTRUCTIONS. CONTRACTOR SHALL INSTRUCT THE OWNER OR HIS AGENT WITH REGARD TO THE PROPER USE OF THE SYSTEM UNLESS SUCH INSTRUCTION IS COMPLETE TO THE OWNER'S SATISFACTION. OPERATING AND MAINTENANCE MANUAL SHALL INCLUDE A VALVE SCHEDULE IF VALVES ARE INSTALLED AS PART OF THE NEW WORK.
- MECHANICAL CONTRACTOR SHALL LABEL ALL NEW MECHANICAL EQUIPMENT, PIPING AND VALVES (INDOORS AND OUTDOORS) IN A PERMANENT MANNER. MECHANICAL PIPING SHALL BE LABELED WITH SELF-ADHESIVE PIPE MARKERS EQUAL TO MARKING SERVICES INC. (MMS) SERIES MS-500 MARKERS. COMPLY WITH ASME A13.1 FOR LETTERING SIZE, LENGTH OF COLOR FIELD, COLORS, AND VIEWING ANGLES OF IDENTIFICATION. DIRECTION OF FLOW SHALL BE IDENTIFIED WITH MOUNTED ARROW TAPE. VALVES SHALL BE IDENTIFIED WITH BRASS VALVE TAGS, ATTACHED WITH SOLID BRASS CHAINS AND "S" HOOKS. VALVE TAGS SHALL BE COORDINATED WITH VALVE SCHEDULE PROVIDED IN OPERATION AND MAINTENANCE MANUAL. MECHANICAL EQUIPMENT SHALL BE LABELED WITH ENGRAVED PLASTIC TAGS WITH MOUNTING HOLES AND STAINLESS STEEL SCREWS. ALL LABELING SHALL HAVE HIGH CONTRAST BETWEEN LETTER AND BACKGROUND COLORS AND SHALL BE LOCATED FOR EASY VISIBILITY.
- ALL MECHANICAL EQUIPMENT AND APPLIANCES INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
- THE ENTIRE MECHANICAL INSTALLATION HAL BE MADE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE AND ANY SUPPLEMENTS.
- PROVIDE VIBRATION ISOLATION MOUNTINGS FOR ALL MOTOR OPERATED EQUIPMENTS AND AS RECOMMENDED BY THE MANUFACTURER.
- ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR WHO SHALL PROVIDE ALL NECESSARY ELECTRICAL SUPPLY AND INTERLOCK WIRING FOR ALL MOTOR OPERATED EQUIPMENT. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING AND ALL THERMOSTATS AND ACCESSORIES.
- PROVIDE BALANCING OF ALL AIR SYSTEMS PER AABC OR NEBB STANDARDS. SUBMIT TEST DATA AND DEMONSTRATE IN FIELD. INCLUDE SOUND TESTING AS MAY BE REQUIRED.
- SUBMIT 3/8" SCALE SHOP DRAWINGS FOR APPROVAL TO FABRICATION. COORDINATE WITH ALL TRADES.
- SUBMIT TO THE ARCHITECT FOR APPROVAL. DUPLICATE SPECIFICATION SHEETS OF ALL EQUIPMENT SUPPLIED OR INSTALLED, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - AIR HANDLING UNITS,
 - EXHAUST FANS
 - ELECTRIC HEATERS
 - GRILLES AND DIFFUSERS
 - DUCTWORK AND INSULATION
 - CONTROLS.
- A COMPLETE SET OF "AS-BUILT" DRAWINGS. (1) SET HARD COPY REPRODUCIBLE AND (1) SET ELECTRONIC FILES PRODUCED IN AUTOCAD FORMAT RELEASE 14 (MIN.) SHALL BE FURNISHED (1/8"=1'-0" SCALE MIN.) TO THE OWNER AND ENGINEER UPON REQUEST.

AIR HANDLING EQUIPMENT

- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL VIBRATION ISOLATION EXTERNAL OR INTERNAL TO BOTH AIR HANDLING UNITS AND ALL MOTOR OPERATED DEVICES. EXPECTED NOISE LEVELS SHALL CONFORM TO THE PREFERRED CRITERIA RECOMMENDATIONS AS SET FORTH IN ASHRAE 1991 HVAC APPLICATIONS HANDBOOK, CHAPTER 42, PAGE 42.5. IT WILL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO SELECT AND INSTALL VIBRATION ISOLATORS WHICH WILL ENABLE THE AFOREMENTIONED NOISE CRITERIA TO BE MET.
- ALL EQUIPMENT SHALL BE TESTED, RATED AND CERTIFIED IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS SUCH AS AMCA, ARI, ASHRAE AND IIB. SHALL ALSO APPLY. EQUIPMENT SHALL BEAR LABELS OR APPROVAL BY APPLICABLE AGENCIES.
- FAN MANUFACTURER SHALL SUBMIT FOR APPROVAL, TWO CERTIFIED PERFORMANCE CURVES FOR EACH FAN. ONE SHALL BE IN ACCORDANCE WITH AMCA TEST STANDARDS, THE OTHER SHALL INDICATE THE "DE-RATING" DUE TO ALL NECESSARY ALLOWANCE. NOTE THAT THE "DE-RATING" CONDITIONS SHALL SATISFY THE DUTIES, AND SHALL BE CONFIRMED BY ACTUAL FIELD TESTING.
- DRIVES FOR ALL BELT DRIVEN EQUIPMENT SHALL INCLUDE PROPERLY SELECTED SHEAVES, MATCHED V-BELTS, ALL RATED FOR 150 PERCENT OF MOTOR HORSEPOWER.
- PROVIDE FLEXIBLE DUCT CONNECTIONS ON SUPPLY, RETURN AND OUTDOOR AIR DUCTS TO ALL AIR HANDLING EQUIPMENT.
- PROVIDE ROOF CURBS AND COUNTERFLASHING FOR ALL ROOF MOUNTED AIR HANDLING EQUIPMENT. BASE FLASHING SHALL BE BY OTHERS.

DUCTWORK

- UNLESS OTHERWISE NOTED, ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL. C90 GRADE PER SMACNA. ALL DUCTS CONSTRUCTED OF GALVANIZED STEEL SHEET METAL SHALL HAVE MINIMUM GAUGE THICKNESS AS FOLLOWS:

MAXIMUM SIDE (IN.) THROUGH	GAGE	
12	26	
13	30	24
33	34	22
55	34	20
84	34	16
- DIAMETER (IN.) THROUGH
- GAGE
- 12
- 26
- 13
- 18
- 24
- 19
- 28
- 22
- 29
- 36
- 20
- 37
- 52
- 18

- PROVIDE ALL NECESSARY CROSS-BREAKING AND DUCT REINFORCING AS REQUIRED PER SMACNA RECOMMENDATIONS.
- ALL DUCTWORK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED PER SMACNA STANDARDS.
 - DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR DIMENSIONS.
 - COORDINATE LOCATION OF DUCT WORK, PIPING, AND DIFFUSERS WITH ALL OTHER TRADES.
 - ALL DUCTWORK AND PIPING ABOVE CEILING AND IN AREAS WITHOUT CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE.
 - PROVIDE VOLUME DIAMETERS AT ALL DUCT BRANCHES AND RUNOUTS. PROVIDE OPPOSED BLADE VOLUME DAMPERS AT ALL REGISTERS, GRILLES, AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN ON DRAWINGS OR NOT.
 - PROVIDE AT MINIMUM 1/4 GAUGE STEEL SLEEVES FOR ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE PIPE SLEEVES FOR ALL MECHANICAL PIPING PENETRATING THROUGH FIRE RATED WALLS, FLOORS, AND PARTITIONS. SEAL ALL ANNULAR SPACE BETWEEN SLEEVES AND DUCTWORK OR PIPING WITH A FIRE BARRIER MATERIAL EQUAL TO 3M "PENETRATING SEALING SYSTEM."
 - THE INSIDE DUCTWORK VISIBLE THROUGH A GRILLE OR DIFFUSER SHALL BE PAINTED FLAT BLACK.
 - THE MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF MASONRY RETURN AIR OPENINGS AND RECESSED EQUIPMENT WITH THE GENERAL CONTRACTOR.
 - ALL RETURN AIR OPENINGS SHALL BE ABOVE CEILING UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL WIRE MESH SCREENS ON ALL OPENINGS.
 - ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASSES OR SUSPENDED CEILING.
 - PROVIDE RETURN AIR OPENINGS AS REQUIRED. OPENING SHALL BE SIZED FOR REQUIRED CFM AT A VELOCITY NOT TO EXCEED 300 FEET PER MINUTE. PROVIDE LABELS AS REQUIRED.
 - SUPPORTS FOR DUCTS SHALL BE INSTALLED AT INTERVALS OF NOT MORE THAN 10 FEET.
 - FLEXIBLE DUCTWORK CONCEALED ABOVE CEILING SHALL BE EQUAL TO THERMOFLEX PRO SERIES G-4M INSULATED FLEXIBLE DUCT (R-VALUE=4.2) WITH POLYETHYLENE VAPOR BARRIER JACKETING. FLEXIBLE DUCT EXPOSED TO VIEW SHALL BE EQUAL TO THERMOFLEX MKE INSULATED FLEXIBLE DUCTWORK WITH REINFORCING METALLIZED VAPOR BARRIER JACKETING. FLEX DUCT SHALL BE FULL LISTED AND LABELED AS A CLASS 1 AIR DUCT STANDARD 181. FLEX DUCT SHALL BE CONNECTED TO BRANCHES AND MAINS USING CONICAL FITTINGS AND SHALL NOT EXCEED 10'-0" IN LENGTH INCLUDING ONE ELBOW. FLEXIBLE DUCTWORK SHALL NOT BE USED AS RETURN AIR OR EXHAUST DUCTWORK.
 - ALL DUCTWORK SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED PER SMACNA STANDARDS AND FOR PRESSURES OF 2" E.S.P. SEAL ALL LONGITUDINAL SEAMS AND TRANSVERSE JOINTS WITH THE FIRE-PROOF SEALANT FOR "AIR-TIGHT" APPLICATION.
 - PROVIDE TYPE "B" DYNAMIC FIRE DAMPERS IN DUCTS WHERE DUCT PENETRATES FIRE-RATED WALLS, FLOORS, CEILINGS, ETC. WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE 2015. FIRE DAMPERS SHALL COMPLY WITH REQUIREMENTS OF UL 555. DAMPERS SHALL HAVE A MINIMUM OF 1.5 HOURS FOR PENETRATIONS OF LESS THAN 3 HOUR FIRE RESISTANCE RATED ASSEMBLIES AND A MINIMUM RATING OF 3-HOURS FOR PENETRATION OF 3-HOUR OR GREATER FIRE-RESISTANCE-RATED ASSEMBLIES. PROVIDE ACCESS DOORS FOR ALL DAMPERS OR OTHER APPROVED MEANS OF ACCESS.
 - DUCT SMOKE DETECTORS AND ASSOCIATED AUDIO/VISUAL DEVICES SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL DUCT SMOKE DETECTORS AND INSTALL ALL REQUIRED CONTROL WIRING TO AUTOMATICALLY SHUT DOWN FANS AS OUTLINED IN SPECIFICATIONS.
 - DUCTWORK FOR DISHWASHER SHALL BE CONSTRUCTED OF STAINLESS STEEL. ALL SEAMS AND JOINTS ARE TO BE WELDED.
 - EXTERIOR LOUVERS ARE INDICATED FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EXTERIOR LOUVERS.
 - COORDINATE ALL ROOF PENETRATIONS WITH WORK OF OTHER TRADES AND WITH FLASHING REQUIREMENTS.

DUCTWORK INSULATION

- ALL SHEET METAL SUPPLY AND RETURN AIR DUCTWORK SHALL BE WRAPPED WITH 1-1/2" THICK FIBERGLASS DUCT INSULATION HAVING AN INSTALLED R-VALUE OF 4.5. A THERMAL CONDUCTIVITY OF .27 AT MEAN TEMPERATURE OF 75 DEGREE F, AND A DENSITY OF 1.0 PCF. INSULATION SHALL BE JOHN-MANVILLE "MICROUTE" OR APPROVED EQUAL.
- OUTDOOR AIR DUCTWORK BETWEEN OA INTAKE DEVICE AND UNIT SHALL BE WRAPPED WITH 2" THICK FIBERGLASS DUCT INSULATION HAVING AN INSTALLED R-VALUE OF 4.5. A THERMAL CONDUCTIVITY OF .27 AT MEAN TEMPERATURE OF 75 DEGREE F, AND A DENSITY OF 1.0 PCF. INSULATION SHALL BE JOHN-MANVILLE "MICROUTE" OR APPROVED EQUAL.
- EXHAUST DUCTWORK SHALL BE UNINSULATED EXCEPT BETWEEN BACKDRAFT DAMPER AND ROOF CURB. EXHAUST DUCTWORK BETWEEN BACKDRAFT DAMPER AND CURB SHALL BE INSTALLED IN THE SAME MANNER AS OUTDOOR AIR DUCTWORK.
- INSULATION MUST BE FIRE-RATED FOR FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED FOR 50 OR LESS.
- INSULATION TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

GRILLES, REGISTERS AND DIFFUSERS

- ALL SIZES OF CEILING DIFFUSERS, EXHAUST GRILLES AND RETURN GRILLES SHOWN ON DRAWINGS ARE MODEL SIZES. NECK SIZES ARE INDICATED WITH THE ABBREVIATION OF "N.C."
- ALL CEILING DIFFUSERS SHOWN ON DRAWINGS ARE 4-WAY UNLESS OTHERWISE NOTED.
- ALL CEILING DIFFUSERS SHALL HAVE OPPOSED BLADE DAMPERS.
- ALL SIDEWALL MOUNTED SUPPLY GRILLES SHALL BE DOUBLE DEFLECTION UNLESS OTHERWISE NOTED.
- ALL CEILING DIFFUSERS SHALL BE OF ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTED.
- PROVIDE SQUARE TO ROUND ADAPTIES AS NECESSARY.
- ALL CEILING DIFFUSERS SHALL BE 24"x24" LAY-IN MODULES UNLESS OTHERWISE NOTED.

CONDENSATE PIPING

- PIPING SHALL BE RIGIDLY SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET.
- PROVIDE DIELECTRIC UNIONS IN PIPING WHERE DISSIMILAR METALS ARE JOINED TOGETHER.
- THE SIZE OF ALL PIPING SHALL BE JOINED USING 95.5 TIN/ANTIMONY SOLDER.
- ALL COOPER PIPING SHALL BE AS SHOWN IN THE DRAWINGS, OR NOT SHOWN, AS REQUIRED.
- ALL CONDENSATE DRAIN LINES SHALL BE PIPED TO FULL SIZE OF THE UNITS DRAIN OUTLET AND PROVIDED WITH A "P" TRAP SIZED AT MINIMUM TO EXCEED FAN STATIC PRESSURE. CONNECT CONDENSATE DRAINS TO PLUMBING AS INDICATED ON DRAWINGS.
- CONDENSATE DRAINAGE: DWV COPPER TUBING, PITCHED DOWN A MINIMUM OF 1/8" PER FOOT AWAY FROM UNIT.
- INSULATION SHALL CARRY THROUGH ALL WALL AND FLOOR PENETRATIONS AND PIPE HANGERS.
- PROVIDE GALVANIZED METAL SHIELDS FORMED TO FIT THE INSULATION BETWEEN HANGERS AND FINISHED INSULATIONS.
- INSULATE CONDENSATE PIPING WITH 1/2" THICK "MICRO-LOCK" AP INSULATION (PROVIDE ZESTON PVC FISTING COVERS.)

REFRIGERANT PIPING NOTES

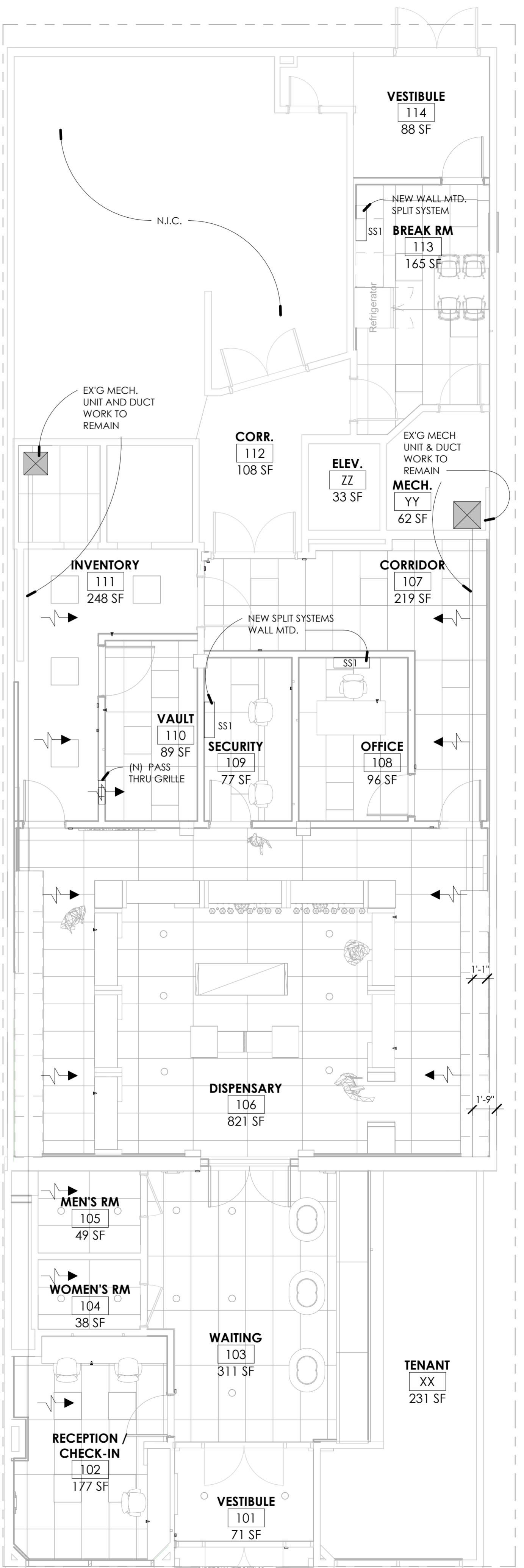
- REFRIGERANT PIPING SHALL BE TYPE "L1" OR TYPE "ACK" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS, JOINED USING 45% SILVER BRAZING SOLDER AND SILVER BRAZING FLUX.
- PROVIDE LIQUID LINE REFRIGERANT SIGHT GLASS/MOISTURE INDICATOR.
- PROVIDE LIQUID AND SUCTION LINE FLEBYDYMERS AS REQUIRED.
- INSULATE REFRIGERANT SUCTION LINE WITH 1/2" THICK ARAMAFLEX INSULATION.
- CONDENSATE DRAIN PIPING SHALL BE DWV COPPER WITH WROUGHT COPPER FITTINGS, JOINED USING 95.5 TIN/ANTIMONY SOLDER.
- ALL CONDENSATE DRAIN LINES SHALL BE PIPED TO FULL SIZE OF THE UNITS DRAINS AND PROVIDED WITH A "P" TRAP AT MINIMUM TO EXCEED FAN STATIC PRESSURE. CONNECT CONDENSATE DRAINS TO PLUMBING LINES AS INDICATED ON DRAWINGS.

SPLIT SYSTEM A/C UNIT (INDOOR) SCHEDULE

UNIT	MFGR	SS MODEL	COOLING	HEATING	AIRFLOW RATE	VOLTAGE	MCA	FUSE
------	------	----------	---------	---------	--------------	---------	-----	------

SPLIT SYSTEM A/C UNIT (OUTDOOR) SCHEDULE

UNIT	MFGR	MODEL	TYPE	COOLING	HEATING	VOLTAGE	MCA	FUSE
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William C. McLees
AIA, LEED AP
 New Jersey State License AI 14054
 Pennsylvania State License RA403479



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 New Jersey State Certificate of Authorization # 21AC0005500

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3112 ATLANTIC HOLDINGS, LLC

3112 ATLANTIC AVENUE ATLANTIC CITY, NJ 08401

PERMIT SET

No.	Description	Date

MECHANICAL PLAN

Scale	As indicated
Drawn by	Author
Date	11.15.22

A1.02

Comision no. 22018

MECHANICAL PLAN
 3/16" = 1'-0"

ELECTRICAL NOTES

GENERAL

- ALL ELECTRICAL WORK TO BE INSTALLED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED BY THE UNIFORM CONSTRUCTION CODE - STATE OF NEW JERSEY AND ANY OTHER PARTY HAVING JURISDICTION.
- ALL ELECTRICAL MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND APPROVED BY UNDERWRITERS LABORATORY (U.L.) OR ANY OTHER NATIONALLY RECOGNIZED TESTING AGENCY (UNLESS NOTED OTHERWISE ON DRAWINGS).
- ALL NECESSARY PERMITS, INSPECTIONS, AND LICENSES SHALL BE PROCURED AND ALL FEES PAID BY THE CONTRACTOR. SUBMIT TO THE OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM THE APPROVED INSPECTION AGENCY.
- UPON COMPLETION OF THE WORK, THE ENTIRE WIRING SYSTEM SHALL BE FREE FROM GROUNDS, SHORT CIRCUITS, OPENS, OVERLOADS AND IMPROPER VOLTAGES.
- PRIOR TO FINAL ACCEPTANCE OF THE WORK, A WRITTEN STATEMENT SHALL BE SUBMITTED TO THE OWNER GUARANTEEING ALL EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF ACCEPTANCE. UPON NOTICE ALL DEFECTIVE EQUIPMENT, MATERIALS AND SYSTEMS SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER.
- THIS SET OF DRAWINGS IS DIAGRAMMATIC IN NATURE AND INDICATES THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND APPROXIMATE LOCATIONS OF THE EQUIPMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THAT THERE IS ADEQUATE SPACE AT THE LOCATIONS INDICATED FOR ALL EQUIPMENT PRIOR TO INSTALLATION OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE ELECTRICAL CONTRACTOR SHALL SECURE SHOP DRAWINGS FROM OTHER CONTRACTORS AND VERIFY EXACT ELECTRICAL CHARACTERISTICS OF EQUIPMENT TO BE WIRED PRIOR TO ROUGH-IN. IF DISCREPANCIES ARE NOTED BETWEEN THE ELECTRICAL CONTRACT DRAWINGS AND OTHER CONTRACTOR SHOP DRAWINGS, ELECTRICAL CONTRACTOR IS TO NOTIFY ENGINEER AT ONCE. FAILURE TO PERFORM THIS DUTY WILL NOT RELIEVE THE ELECTRICAL CONTRACTOR OF THE RESPONSIBILITY TO CORRECT WIRING DEFICIENCIES AT NO EXPENSE TO THE OWNER.
- ALL DEVICES OR EQUIPMENT SHOWN IN SYMBOL FORM SHALL BE WIRED TO ITS RESPECTIVE PANEL.
- THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL AN ARC FLASH WARNING PLACARD THAT SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, AND MOTOR CONTROL CENTERS IN ACCORDANCE WITH ARTICLE 110.16 OF THE 2017 NEC.
- ALL INTERIOR WIRING SHALL BE INSTALLED IN ELECTRICAL NONMETALLIC TUBING OR NONMETALLIC CABLE AND CONCEALED IN WALLS OR IN HANG CEILING SPACE. BUT SHALL CONFORM TO ARTICLE 302 AND NM CABLE SHALL CONFORM TO ARTICLE 334 OF THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE. WHERE WIRING CANNOT BE CONCEALED IN FINISHED AREAS, IT SHALL BE RUN EXPOSED IN A NEAT MANNER VIA SURFACE RACEWAY. MINIMUM CONDUIT SIZE SHALL BE 1/4" UNLESS NOTED OTHERWISE.
- ALL WIRING, CONNECTIONS AND DEVICES SHALL BE PROVIDED TO COMPLY WITH THE GROUNDING REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE DRAWINGS UNLESS NOTED OTHERWISE. ALL EXPOSED NON-CURRENT CARRYING ELECTRICAL EQUIPMENT METALLIC PARTS, RACEWAY SYSTEMS AND WIRING SYSTEM GROUNDING CONDUCTORS SYSTEM SHALL BE GROUNDED.
- PROVIDE A SEPARATE, GREEN-COLORED, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. THIS CONDUCTOR SHALL BE SEPARATE FROM THE ELECTRICAL SYSTEM NEUTRAL CONDUCTOR. TERMINATE EACH END OF THE GROUNDING CONDUCTOR ON A LISTED LUG, BUS OR BUSING. THE GROUNDING CONDUCTOR SIZE SHALL BE IN ACCORDANCE WITH NEC, TABLE 250.122.
- ALL CUTTING AND PATCHING REQUIRED FOR THE ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- PANEL BOARD DIRECTORIES SHALL BE TYPED, AND UPDATED INDICATING NEW CIRCUITING AND DEVICE DESCRIPTION AS SHOWN ON DRAWINGS.
- EXISTING EQUIPMENT FIXTURES, COMPONENTS, AND ALL OTHER RELATED APPEARANCES WHICH ARE NO LONGER REQUIRED AS INDICATED ON DRAWINGS SHALL BE REMOVED AND BECOME PROPERTY OF THE OWNER.
- ALL COMPONENTS OF FINISHING SYSTEMS REQUIRED TO BE MODIFIED, EXTENDED OR REUSED SHALL BE INSPECTED AND RETURNED TO A FIRST-CLASS OPERATING CONDITION. COMPONENTS SHALL BE CLEANED AND REPAINTED IF NECESSARY.
- ALL DEMOLISHED MATERIALS SHALL BE CAREFULLY REMOVED FROM THE PREMISES BY THE MOST DIRECT PATH. ANY DAMAGE INCURRED BY THE REMOVAL PROCESS SHALL BE REPAIRED TO MATCH THE SURROUNDING WORK AND LEFT IN SATISFACTORY CONDITION. ALL AREAS SHALL BE CLEANED OF ALL DIRT AND DEBRIS RESULTING FROM DEMOLITION.
- ALL HOLES OR VOIDS CREATED TO ROUTE CONDUIT OR METAL CLAD CABLE THROUGH FIRE RATED FLOORS AND WALLS SHALL BE SEALED WITH AN INTUMESCENT MATERIAL CAPABLE OF EXPANDING UP TO 10 TIMES WHEN EXPOSED TO A TEMPERATURE OF 250 DEGREES FAHRENHEIT AND ABOVE. ACCEPTABLE SEALING MATERIAL SUCH AS 3M FIRE BARRIER CAULK, PUTTY, STRIP AND SHEET FORM SHALL HAVE I.C.B.O. AND BOCA APPROVED RATING OF 3 HOURS PER ASTM E-814 (U.L. 1479) AS PER NEC ARTICLE 300.21.
- THE ELECTRICAL WORK RELATING TO THE PROJECT IS SHOWN. OTHER EXISTING ELECTRICAL AND SYSTEMS COMPONENTS HAVE BEEN LEFT OFF THE DRAWING OR CLARITY.
- TWO OR THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP TYPE. SINGLE POLE BREAKERS WITH YOKED HANDLE WILL NOT BE PERMITTED.
- THE ELECTRICAL CONTRACTOR SHALL NOT UTILIZE A "COMMON NEUTRAL" ON MULTIPLE BRANCH CIRCUITS. EACH SUCH CIRCUIT SHALL BE RUN WITH ITS OWN DEDICATED NEUTRAL WIRE.
- WHERE CONDUIT RUNS CROSS STRUCTURAL EXPANSION JOINTS, LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED TO TRANSITIONAL CONDUIT SYSTEM FROM ONE STRUCTURAL SECTION TO THE OTHER.
- THERMAL OVERLOAD PROTECTION SHALL BE IN COMPLIANCE WITH MOTOR MANUFACTURER'S SPECIFICATIONS.
- WHERE CIRCUIT BREAKERS OR FUSES ARE APPLIED IN COMPLIANCE WITH THE SERIES COMBINATION RATINGS MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION DEVICE RATING. THE MARKING SHALL BE READILY VISIBLE AND CONFORM TO ARTICLE 110.22 OF THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE.
- PROVIDE NECESSARY COMMON GROUNDS BETWEEN THE ELECTRICAL SYSTEM, TELEPHONE SERVICE, UNDERGROUND METALLIC PIPING, CONDUIT, AND FOUNDATION/FOOTING REBAR PER NEC ARTICLES 250.50 & 250.52.
- CONTRACTOR TO PROVIDE RECEPTACLES TO MATCH PLUGS FURNISHED WITH EQUIPMENT.
- ALL LIGHTING AND POWER PANELS SHALL HAVE THEIR TOPS AT 6'-6" ABOVE FINISHED FLOOR.
- PANEL BOARDS SHALL BE DEAD-FRONT, SAFETY-TYPE AND SHALL CONTAIN MAIN LUG RATINGS, BRANCH CIRCUIT BREAKERS, SPACES AND BUSES AS INDICATED ON THE DRAWINGS.
- PANEL BOARDS SHALL BE SUITABLE FOR FLUSH MOUNTING OR SURFACE MOUNTED INSTALLATION AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL LOCATE LIGHTING FIXTURES TO SUIT STRUCTURAL AND ARCHITECTURAL CONDITIONS IN THOSE ROOMS WHERE BEAMS, DROPPED SOFFITS, ACCESS PANELS OR SIMILAR OBSTRUCTIONS REQUIRE A CHANGE IN LIGHTING FIXTURE LAYOUT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL ELECTRICAL DEVICES WITH MILLWORK CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
- ALL LIGHTING CIRCUITS SHALL BE EQUIPPED WITH A DEVICE FOR DIMMING CONTROL. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, THE ARCHITECT, AND THE LIGHTING MANUFACTURER THE MEANS OF DIMMING.

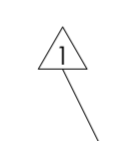
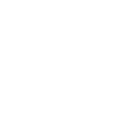
Branch Panel: PNL P1

Location: CORRIDOR 107
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type:
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	P	A	B	P	Trip	Circuit Description	CKT	
1	Lighting - Dwelling Unit	20 A	1	80 VA	360 VA		1	20 A	2	
3	Receptacle	20 A	1		1440 VA	1800 VA	1	20 A	4	
5	Receptacle	20 A	1	1440 VA	1800 VA		1	20 A	6	
7	NEW SPLIT UNIT	20 A	1		0 VA	120 VA	1	20 A	8	
9	HVAC	60 A	2	2540 VA	2540 VA		2	60 A	10	
11					2540 VA	2540 VA			12	
13	NEW SPLIT UNIT	20 A	1	0 VA	120 VA		1	20 A	14	
15	Receptacle	20 A	1		180 VA	480 VA	1	20 A	16	
17									18	
19	Receptacle	20 A	1		180 VA	540 VA	1	20 A	20	
21					480 VA		1	20 A	22	
23									24	
25					540 VA		1	20 A	26	
27									28	
29					1440 VA		1	20 A	30	
31									32	
33									34	
35									36	
37									38	
39									40	
41									42	
Total Load:				12351 VA	9617 VA					
Total Amps:				115 A	92 A					
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals						
HVAC	5080 VA	100.00%	5080 VA							
Motor	5080 VA	100.00%	5080 VA	Total Conn. Load: 21966 VA						
Other	120 VA	100.00%	120 VA	Total Est. Demand: 24395 VA						
Receptacle	9720 VA	125.00%	12150 VA	Total Conn. Current: 106 A						
Lighting - Dwelling Unit	2060 VA	100.00%	2060 VA	Total Est. Demand... 117 A						



SECURITY LEGEND KEY:

- FL: EXTERIOR FLOOD LIGHT
- C: 180 CAMERA
- C: 360 DEGREE CAMERA
- MS: MOTION SENSOR
- AC: ACCESS CONTROL
- DC: DOOR CONTACT
- AP: ALARM KEYPAD
- PB: PANIC BUTTON
- SS: SECURE SERVER

NOTES:
1. ALL MOTION SENSORS & SECURITY CAMERAS TO BE CEILING MOUNTED

HARDWARE SCHEDULE

- TYPE A - EXISTING ENTRY LOCKSET:** ASSA ABLOY A8 SERIES EXT. GRADE HEAD MOUNTED ELECTRO-MAGNETIC LOCKSET W/ MANUAL OVERRIDE SWITCH AT RECEPTION DESK. MOUNT TO EX 'C' DOOR.
- WEATHERSTIPPING:** PEMKO KER-FIN SILICONE WEATHERSTIPPING DOOR BOTTOM MOUNTED VINYL SWEEP.
- TYPE B - SECURITY DOOR LOCKSET:** SMARTAIR I-VOLUTION FULL MORTISE WIRELESS SMART LOCK, W/ ADA COMPLIANT LEVER HANDLE.
- CLOSER:** LCN 4000 SERIES, HINGE FACE MOUNTED
- HINGES:** STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
- STOP:** IVES, CONCAVE
- SILENCERS:** (1) SET
- TYPE C - RESTROOM LOCKSET:** SCHLAGE CYLINDER LOCKSET, PRIVACY FUNCTION W/ ADA LEVER HANDLE
- CLOSER:** LCN 4000 SERIES, STOP FACE MOUNT
- HINGES:** STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
- STOP:** IVES, CONCAVE
- SILENCERS:** (1) SET
- TYPE D - SECURITY DOUBLE ACTIVE LEAF LOCKSET:** SMARTAIR I-VOLUTION FULL MORTISE WIRELESS SMART LOCK, W/ ADA COMPLIANT LEVER HANDLE.
- INACTIVE LEAF:** HEAD AND SILL MOUNTED FLUSH BOLTS BY HAGER OR APPROVED EQ.
- CLOSER:** LCN 4000 SERIES, SOFT FACE MOUNT
- HINGES:** KAWNEER TOP AND BOTTOM OFFSET PIVOT
- STOP:** IVES, CONCAVE
- SILENCERS:** (2) SETS
- DOOR COORDINATOR:** ROCKWOOD 2600 SERIES
- TYPE E - SECURE/MANTRAP LOCKSET:** SMARTAIR I-VOLUTION FULL MORTISE WIRELESS SMART LOCK, W/ ADA COMPLIANT LEVER HANDLE. PROVIDE RELAY INTERCONNECT WITH DOORS 105-107 SO THAT ONLY ONE DOOR CAN BE OPEN AT ANY ONE TIME
- CLOSER:** LCN 4000 SERIES, HINGE FACE MOUNTED
- HINGES:** STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
- STOP:** IVES, CONCAVE
- SILENCERS:** (1) SET
- TYPE F - EXIT LOCKSET:** VON DUPRIN RIM MOUNTED EXIT DEVICE
- CLOSER:** LCN 4000 SERIES SOP FACE MOUNTED
- HINGES:** STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
- STOP:** IVES, CONCAVE
- SILENCERS:** (1) SET
- TYPE G - DOUBLE DOOR ACTIVE LEAF LOCKSET:** SCHLAGE PASS FUNCTION CYLINDER LOCKSET
- INACTIVE LEAF:** HEAD AND SILL MOUNTED FLUSH BOLTS BY HAGER OR APPROVED EQ.
- CLOSER:** LCN 4000 SERIES, SOFT FACE MOUNT
- HINGES:** STANLEY FBB SERIES 5 KNUCKLE BALL BEARING HINGES
- STOP:** IVES, CONCAVE
- SILENCERS:** (2) SETS

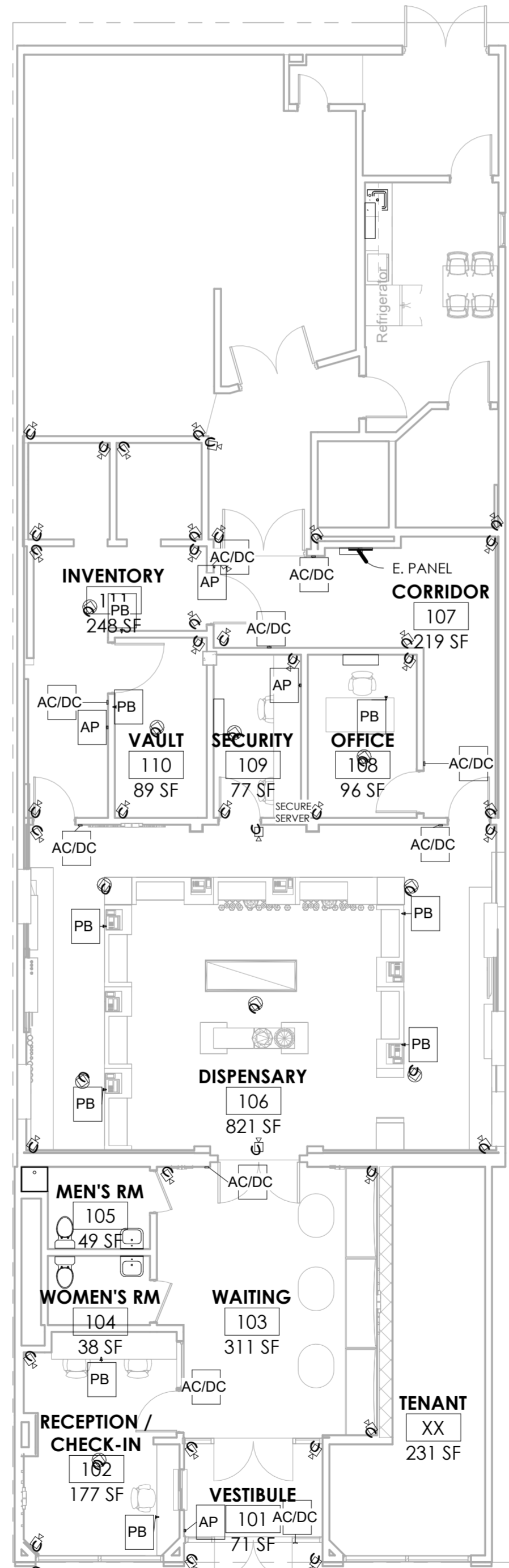
OPEN CIRCUITS @ DOOR 105	OPEN CIRCUITS @ DOOR 106	OPEN CIRCUITS @ DOOR 107	NO OPEN CIRCUIT	SMOKE DETECTOR TRIGGERED	
	X	X	X		DOOR 105 LOCK ENGAGED
X		X	X		DOOR 106 LOCK ENGAGED
X	X		X		DOOR 107 LOCK ENGAGED
				X	ALL DOOR CIRCUITS OPENED (fail safe)

3 ELECTRONIC CONTROL DOOR DIAGRAM

1 1/2" = 1'-0"

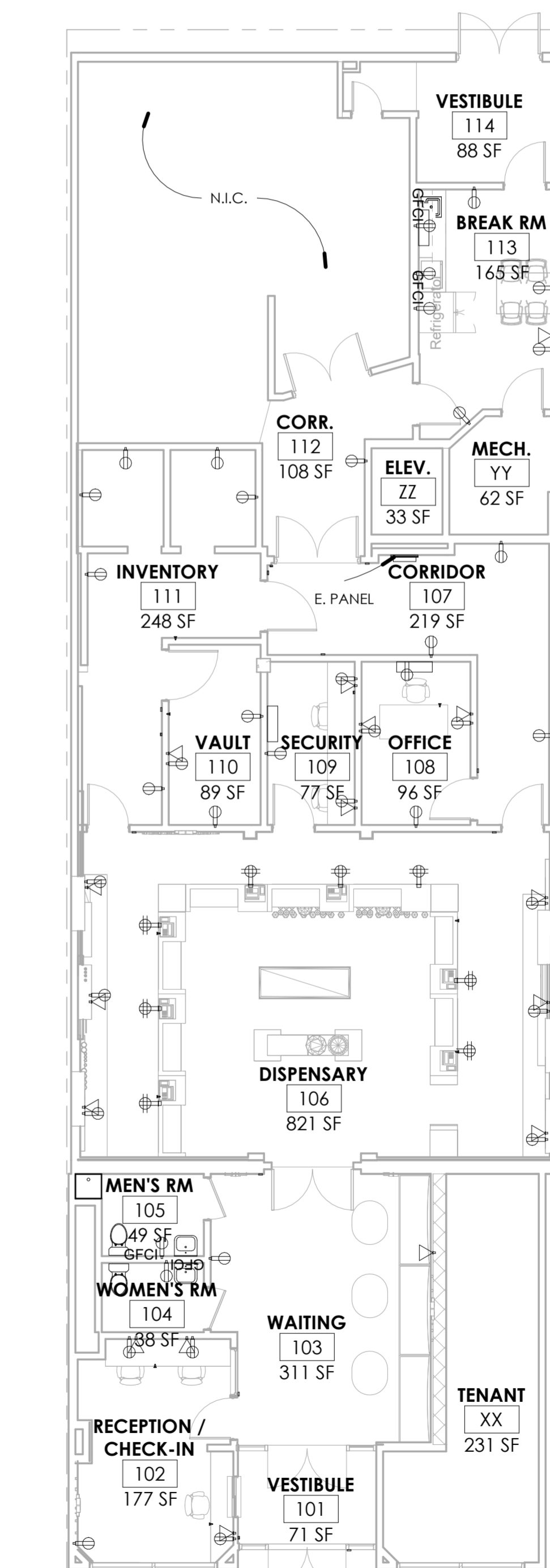
ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE, SWITCHED
- COUNTER RECEPTACLE, 42" A.F.F.
- GFI RECEPTACLE, 42" A.F.F.
- WEATHERPROOF GFI RECEPTACLE
- DUPLEX RECEPTACLE, 220 V.
- SMOKE DETECTOR
- SINGLE POLE SWITCH
- 3-WAY TOGGLE SWITCH
- CEILING MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- WALL MOUNTED FIXTURE
- 36" FLUORESCENT LIGHT FIXTURE
- 9'-0" GWB
- CEILING TAG
- CEILING FINISH MATERIAL
- CEILING HT. A.F.F.
- THERMOSTAT
- DIRECT VENT THRU ROOF
- 12" SUPPLY DIFFUSER
- ELEC.
- ELECTRICAL PANEL
- FAULIGHT
- SMALL PENDANT FIXTURE
- LARGE PENDANT/CHAPELIER



2 SECURITY PLAN

1/8" = 1'-0"



1 POWER PLAN

1/8" = 1'-0"



william mclees
architecture

5 MacArthur Boulevard | Somers Point, NJ 08244
t: 609.927.0888 | f: 609.927.0889
www.wmarch.net

William C. McLees
AIA, LEED AP

New Jersey State License A1 14054
Pennsylvania State License RA403479



William McLees Architecture, LLC

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PERMIT SET

No.	Description	Date
1	BLDG COMMENTS	4.25.23

POWER PLAN, SECURITY PLAN

Scale As indicated
Drawn by Author
Date 11.15.22

A1.03

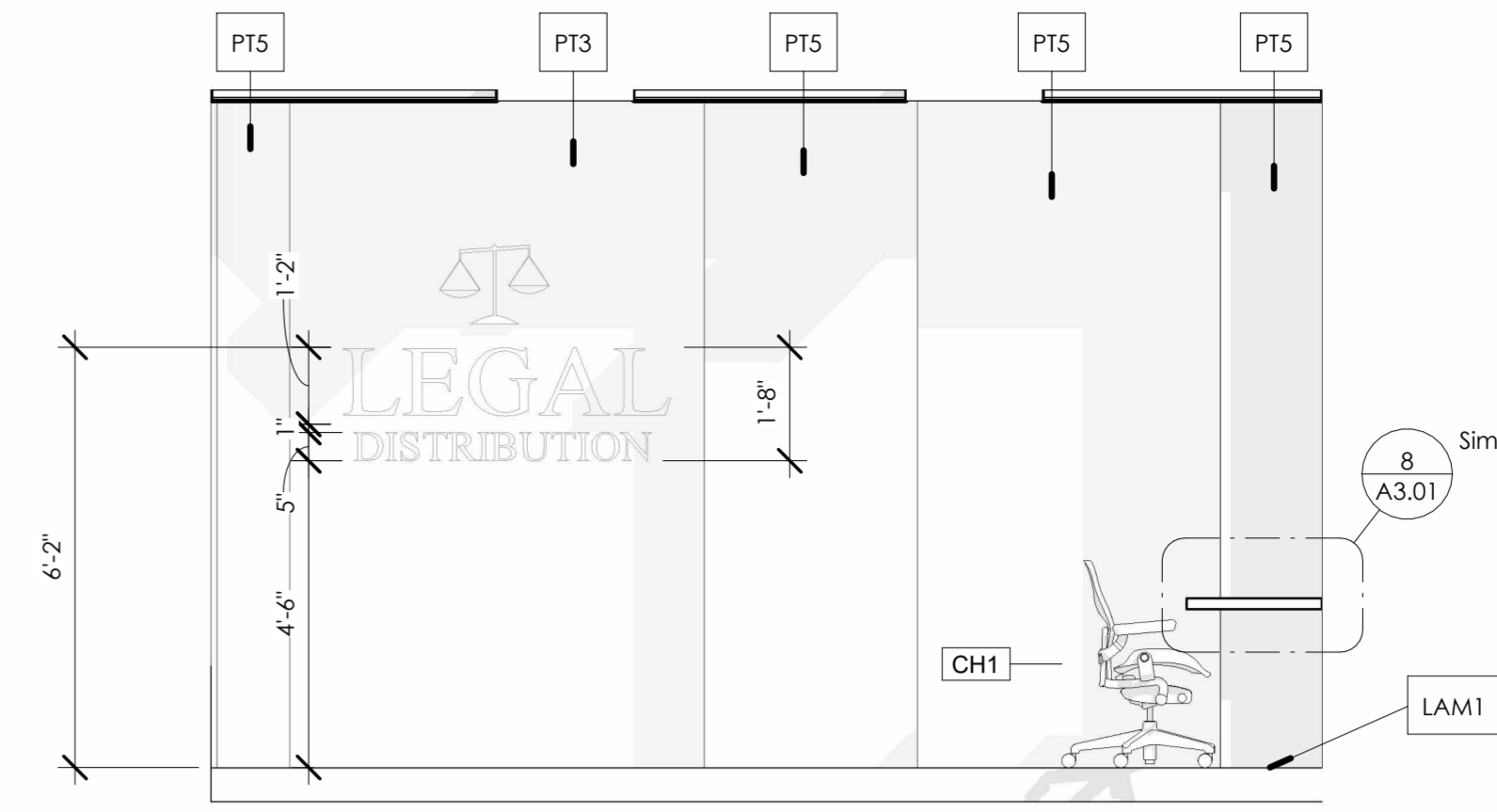
Comission no. 22018

No.	Description	Date

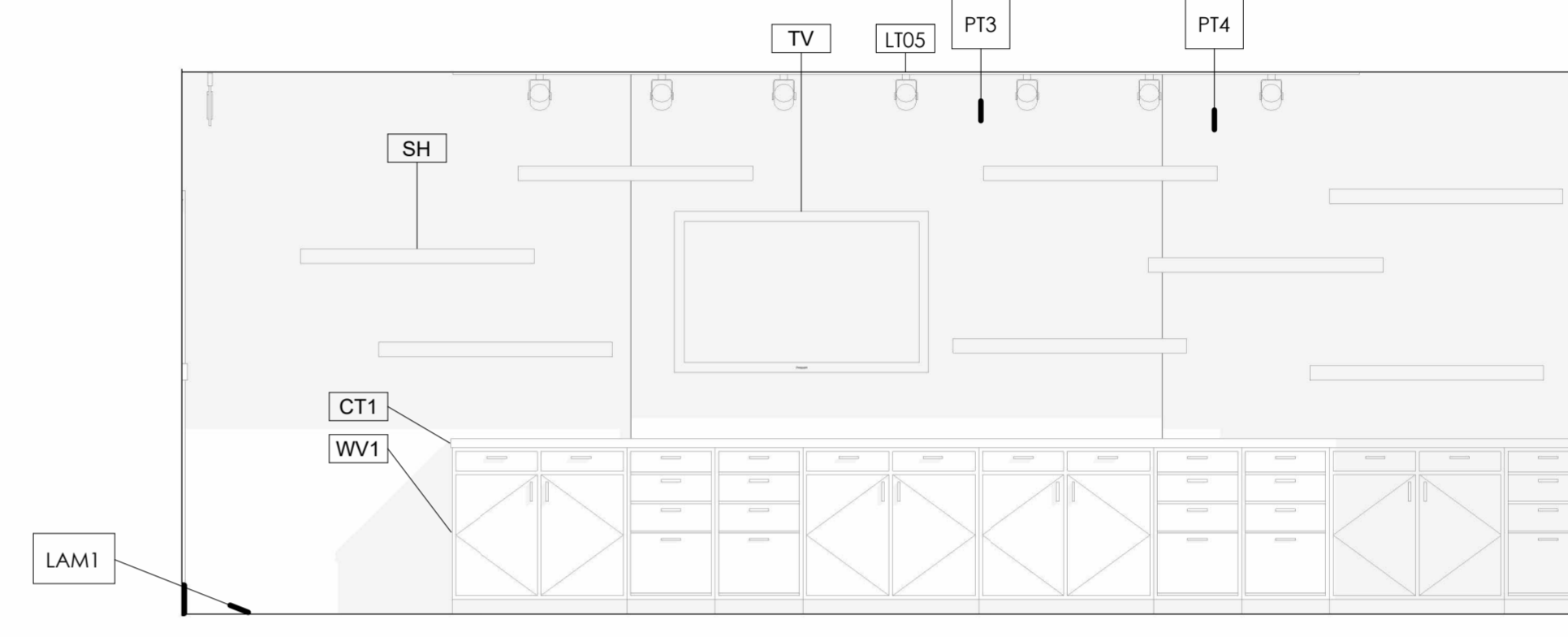
ELEVATIONS

Scale	3/8" = 1'-0"
Drawn by	Author
Date	11.15.22

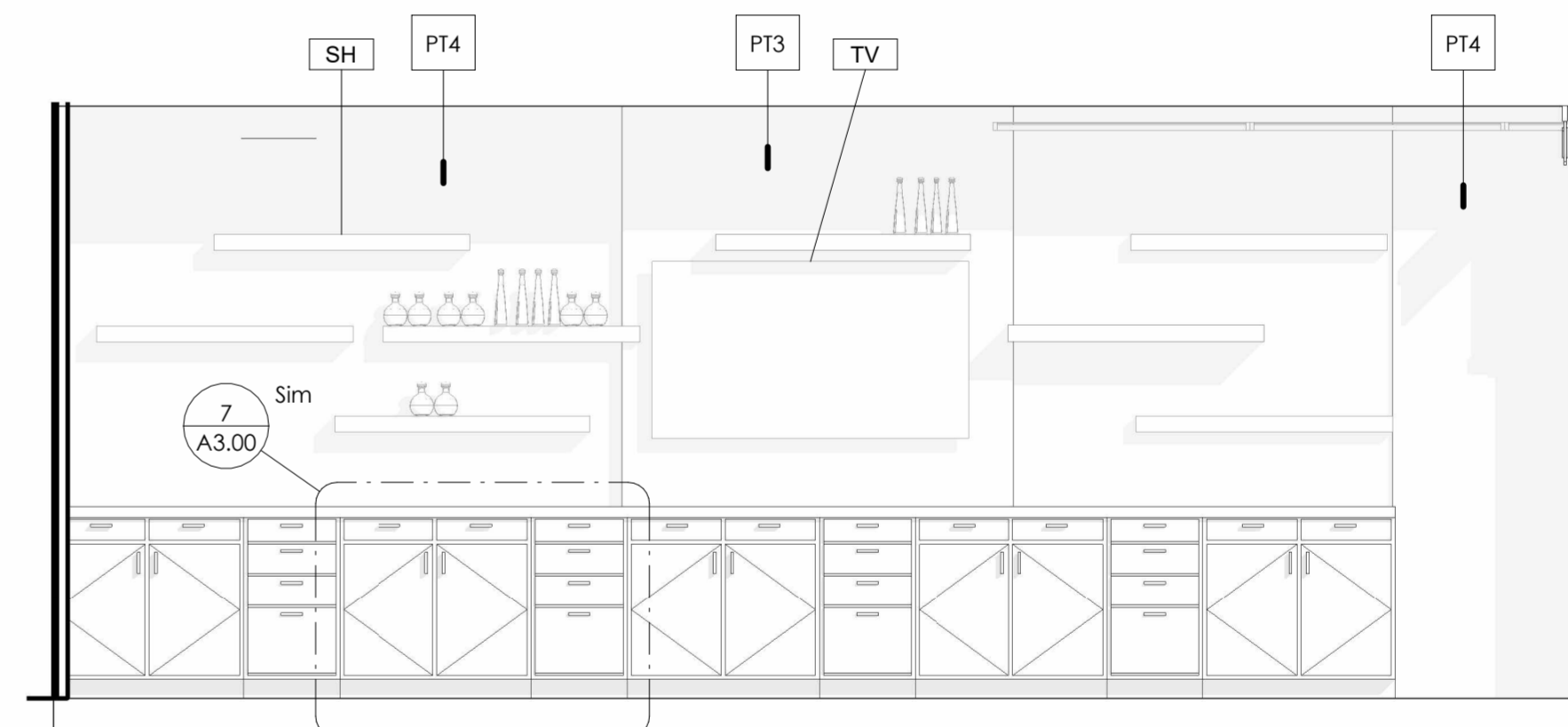
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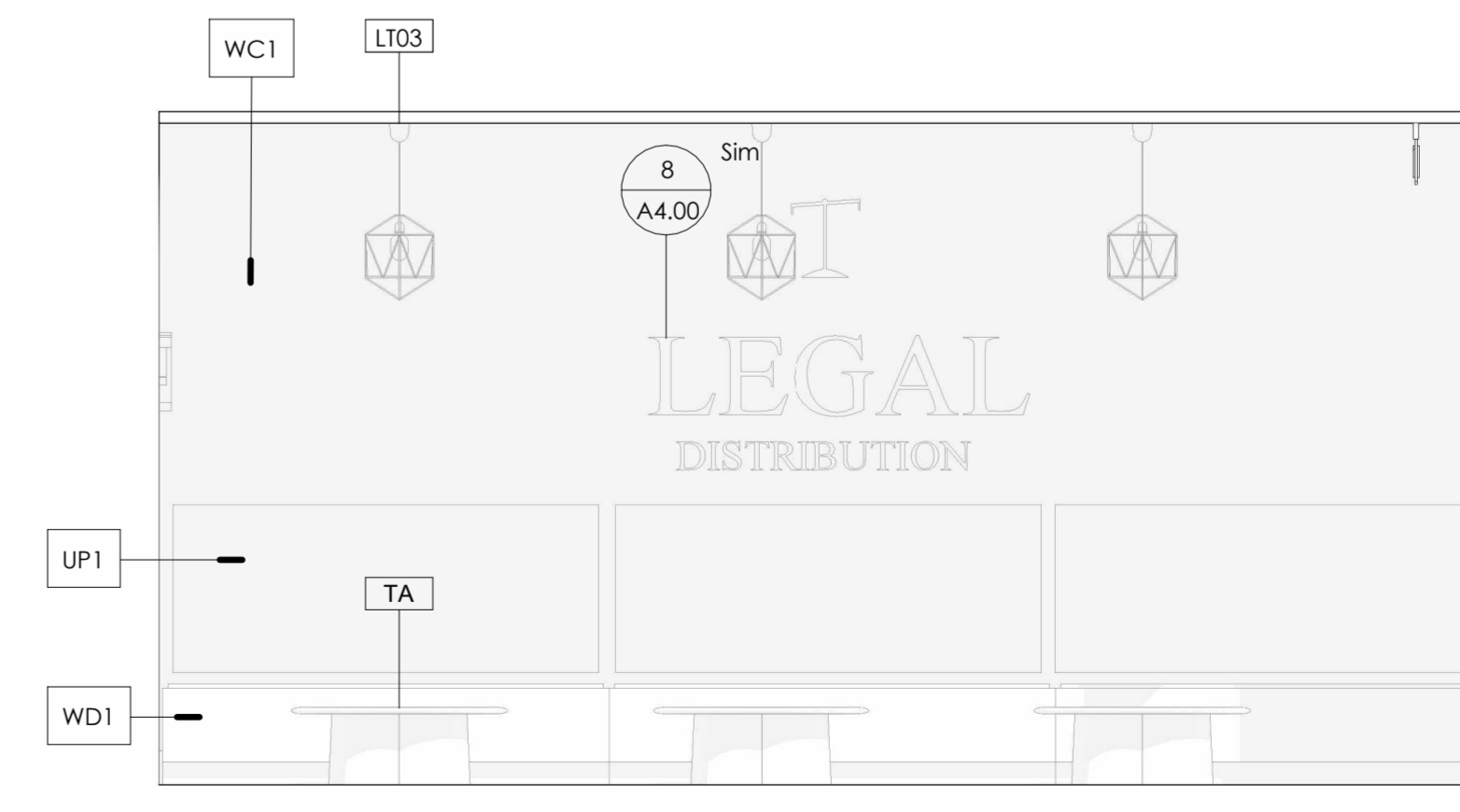
8 Elevation 2 - C
3/8" = 1'-0"



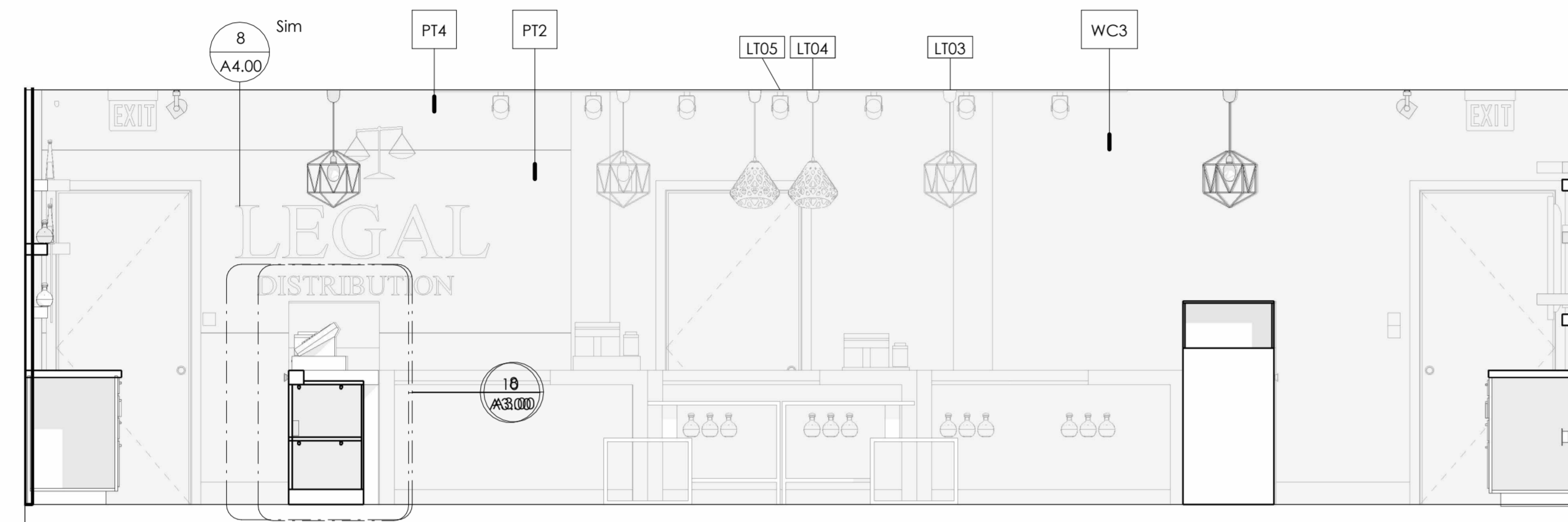
6 INTERIOR ELEVATION 1-A
3/8" = 1'-0"



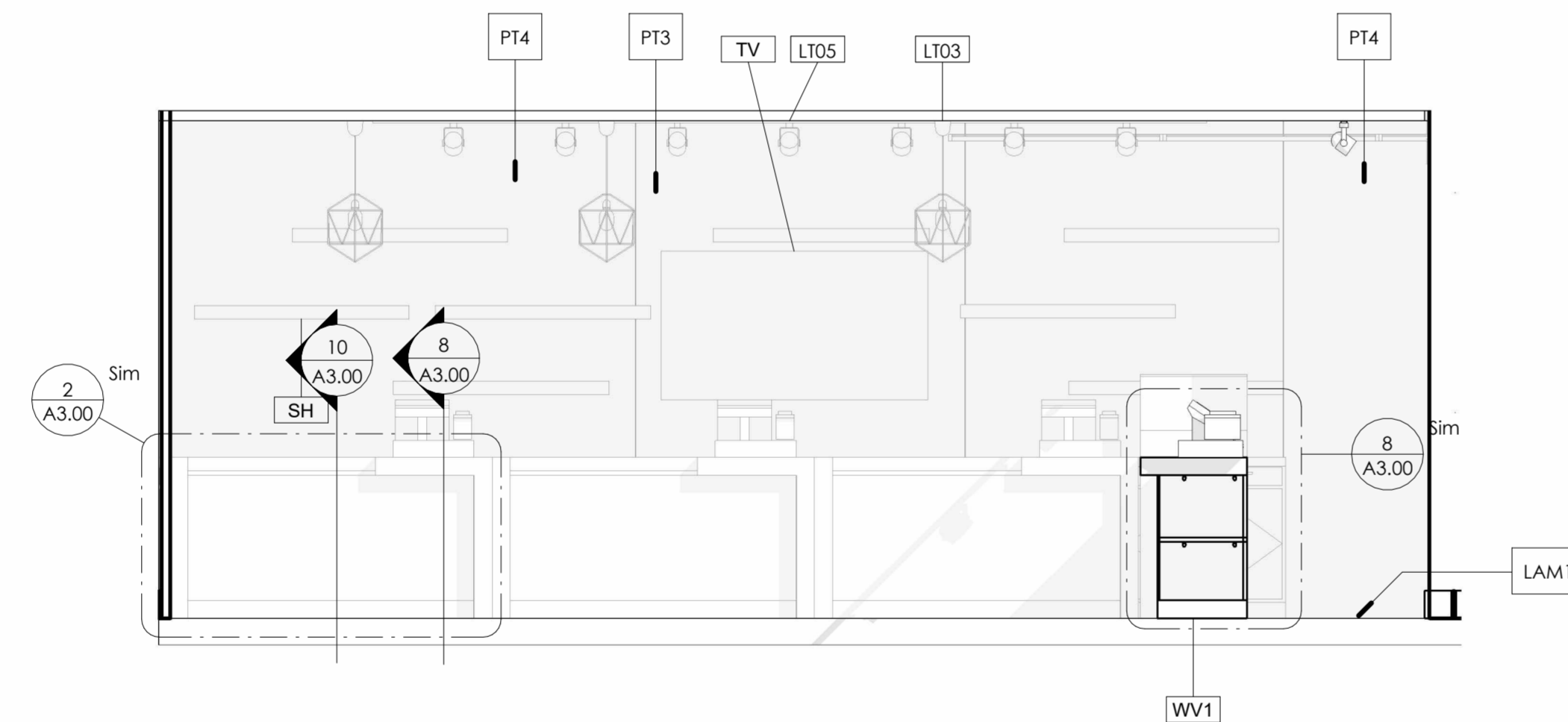
4 INTERIOR ELEVATION 1-B
3/8" = 1'-0"



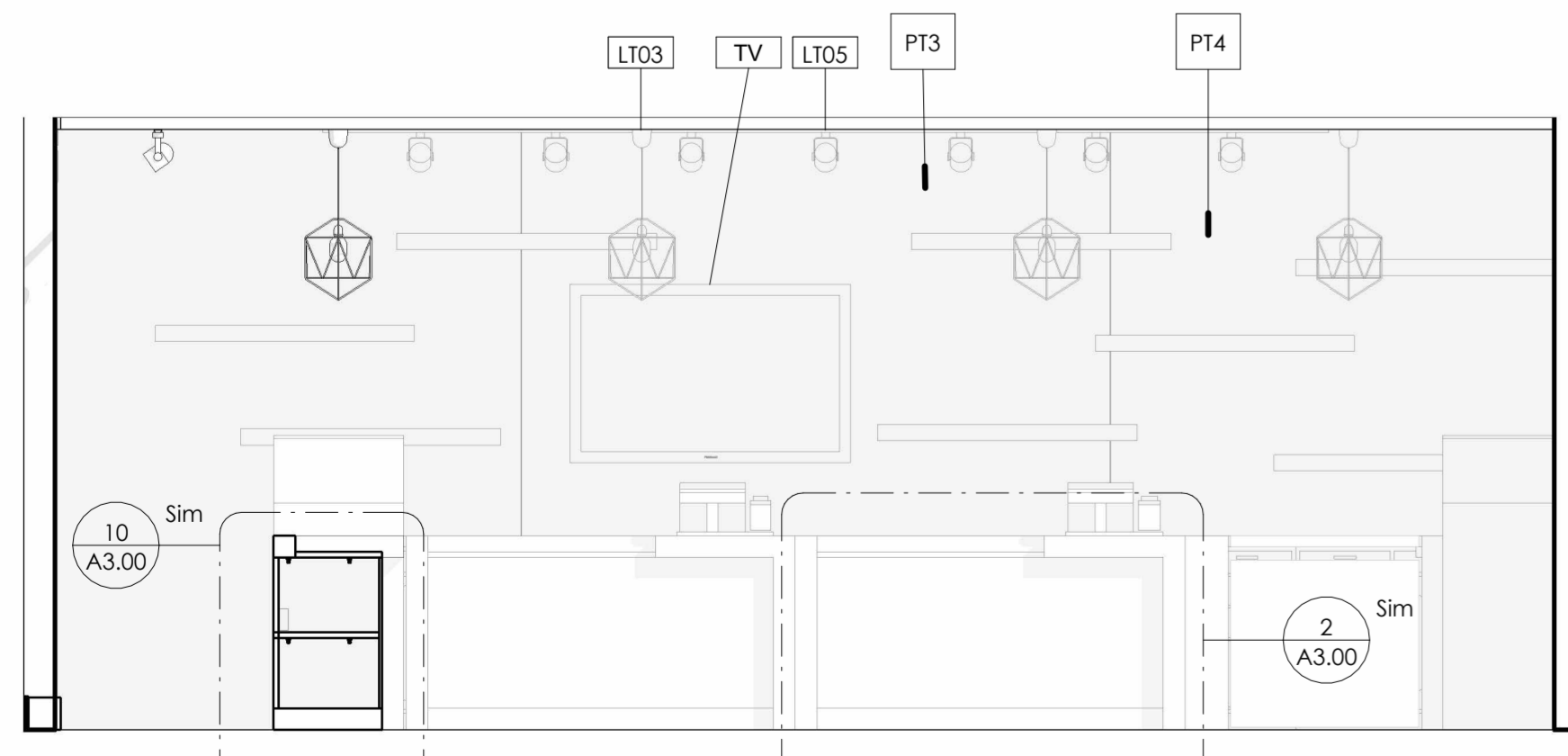
1 INTERIOR ELEVATION 2-B
3/8" = 1'-0"



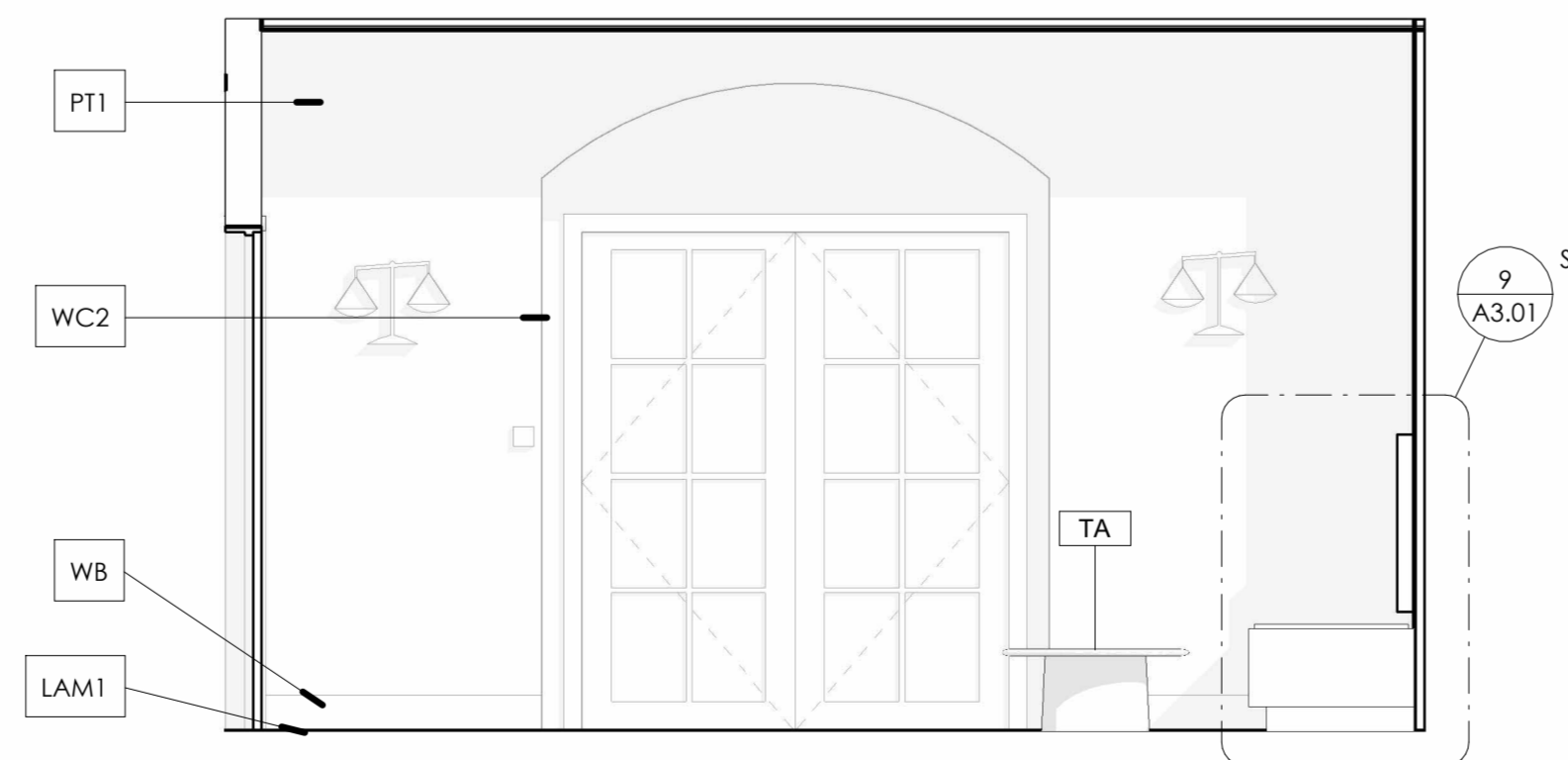
7 INTERIOR ELEVATION 4
3/8" = 1'-0"



5 INTERIOR ELEVATION 3-B
3/8" = 1'-0"



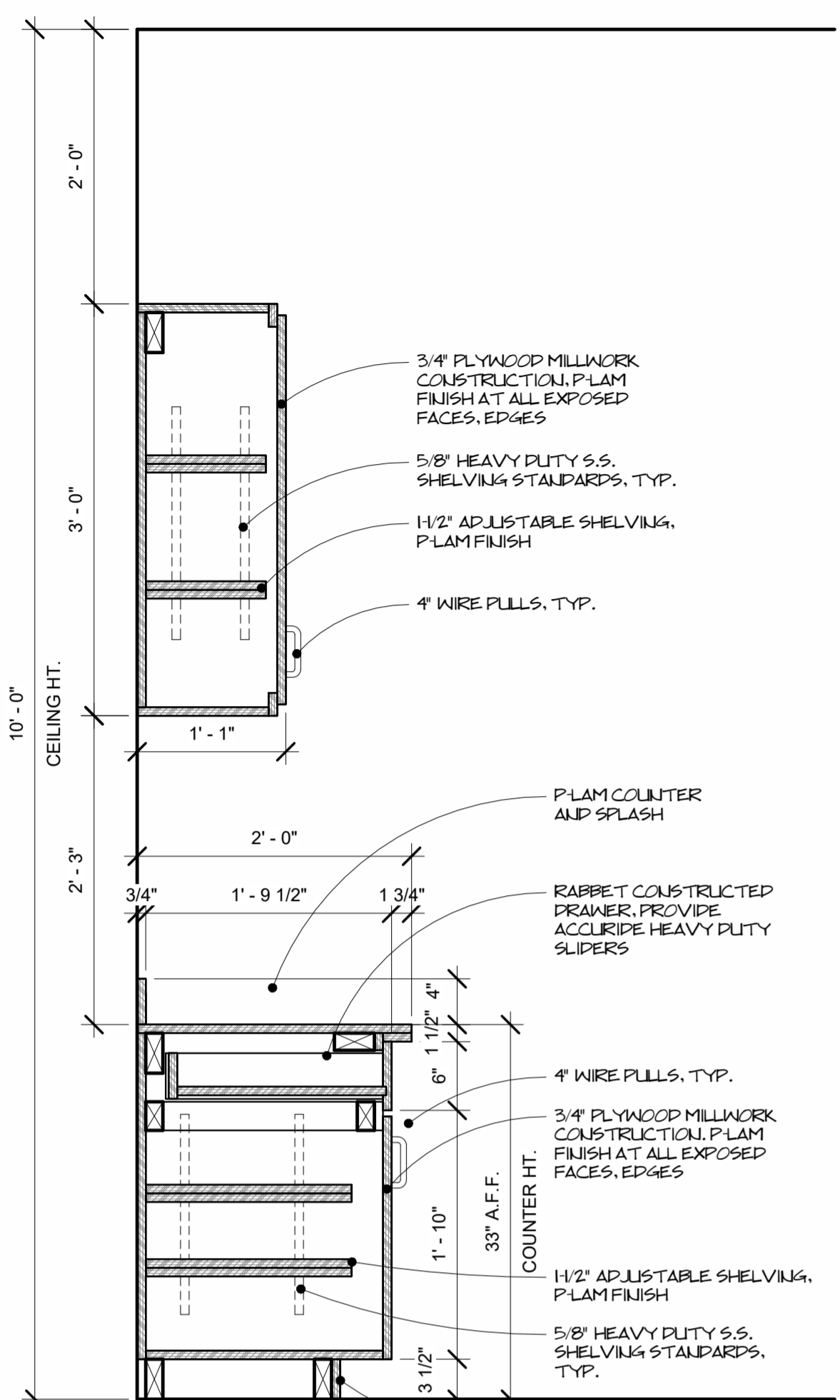
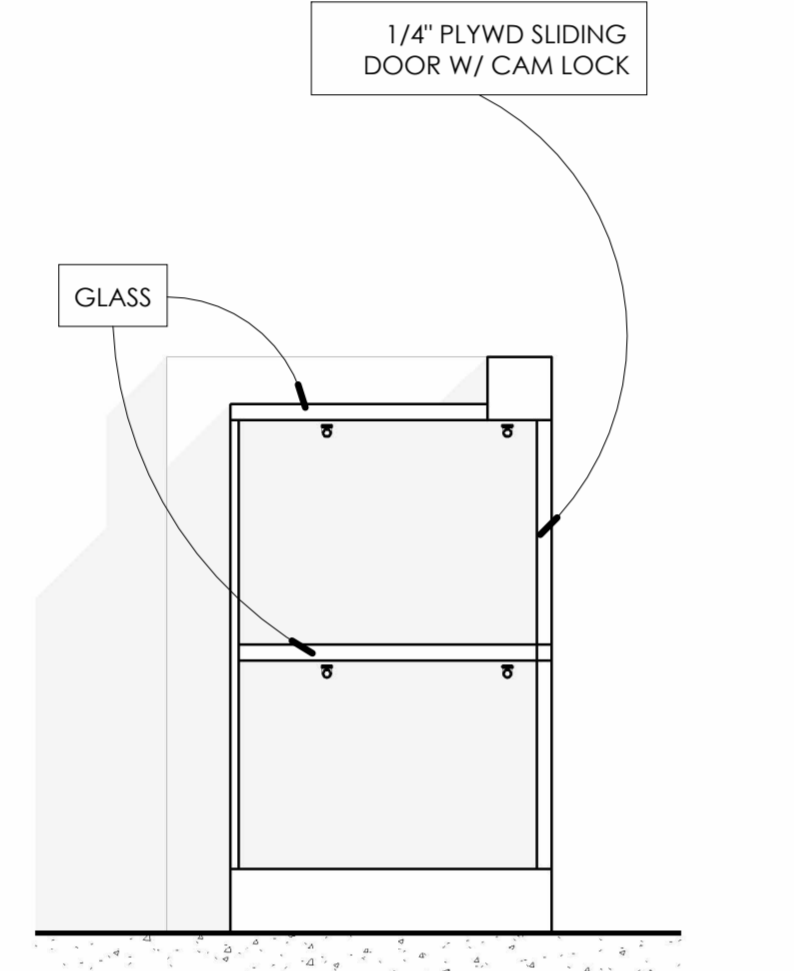
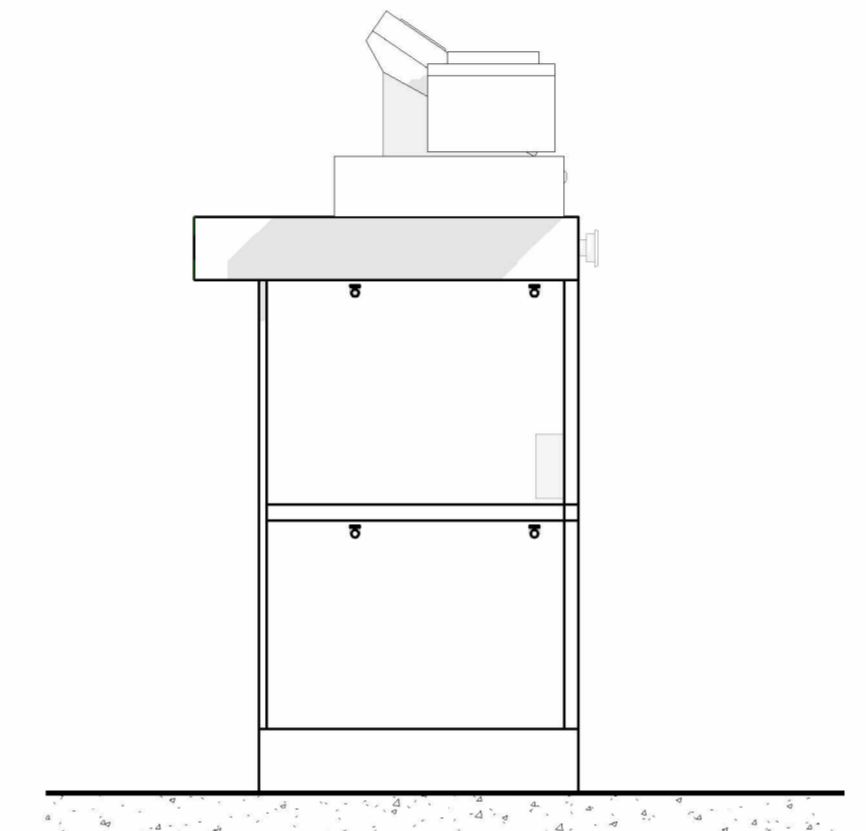
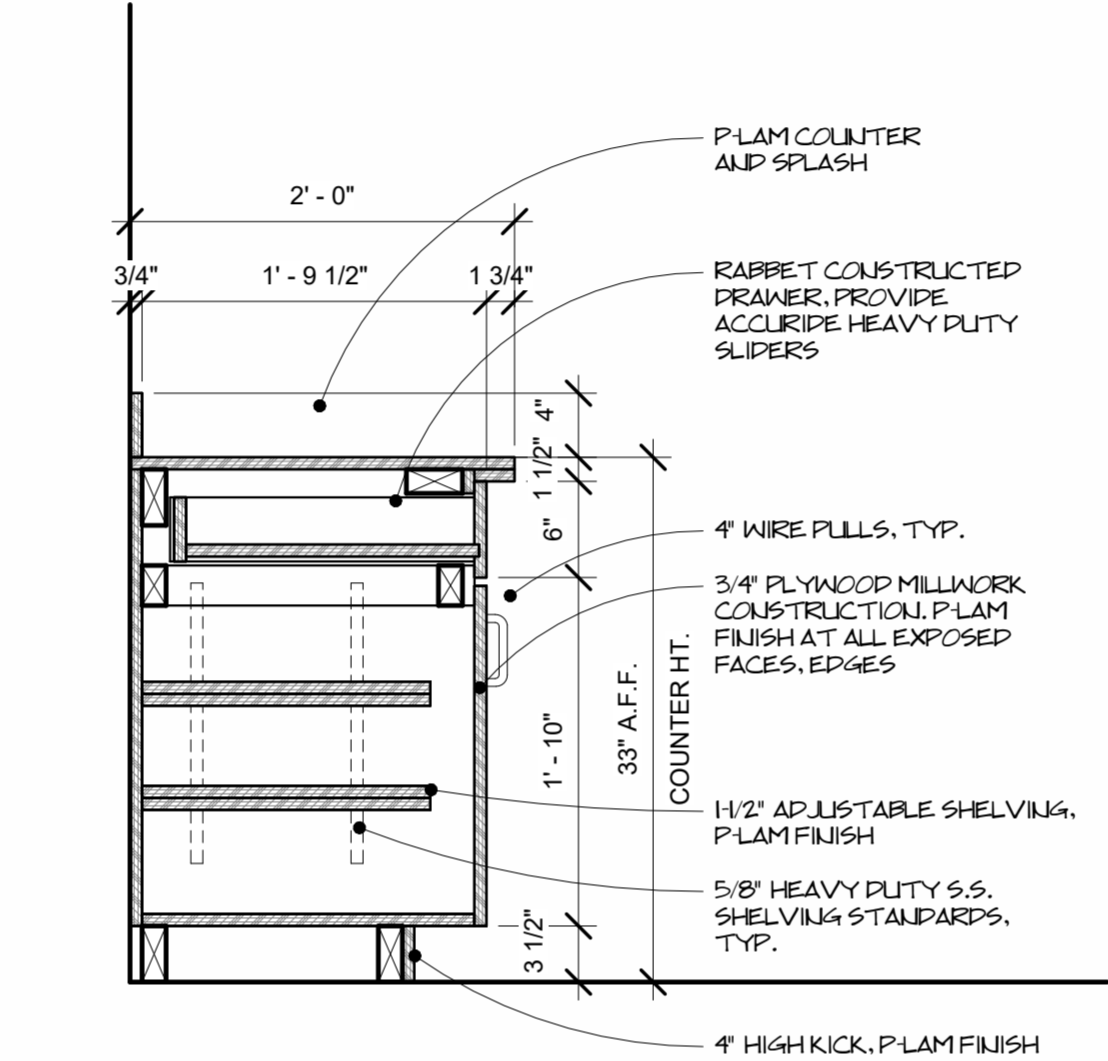
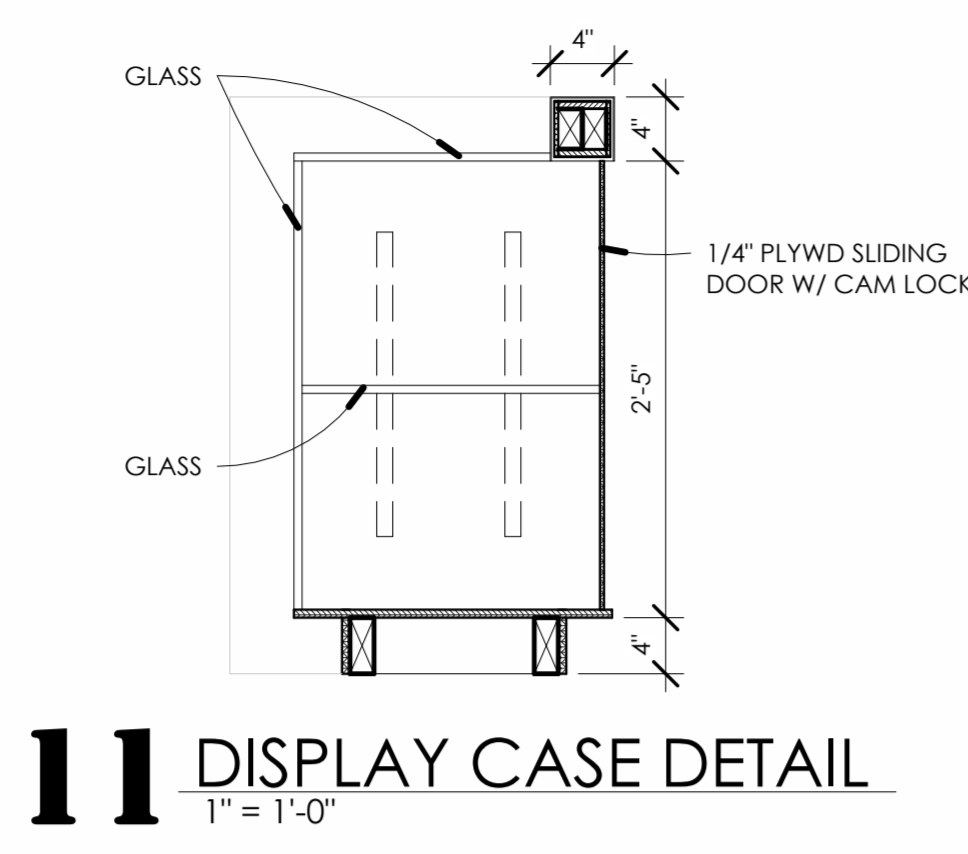
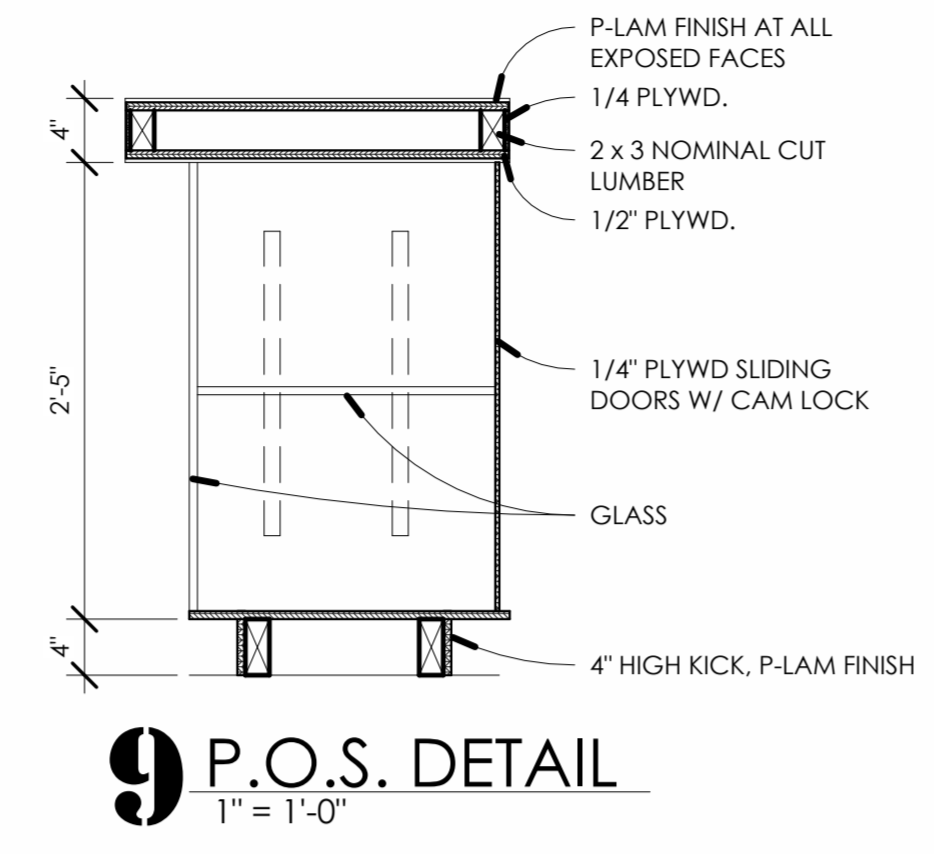
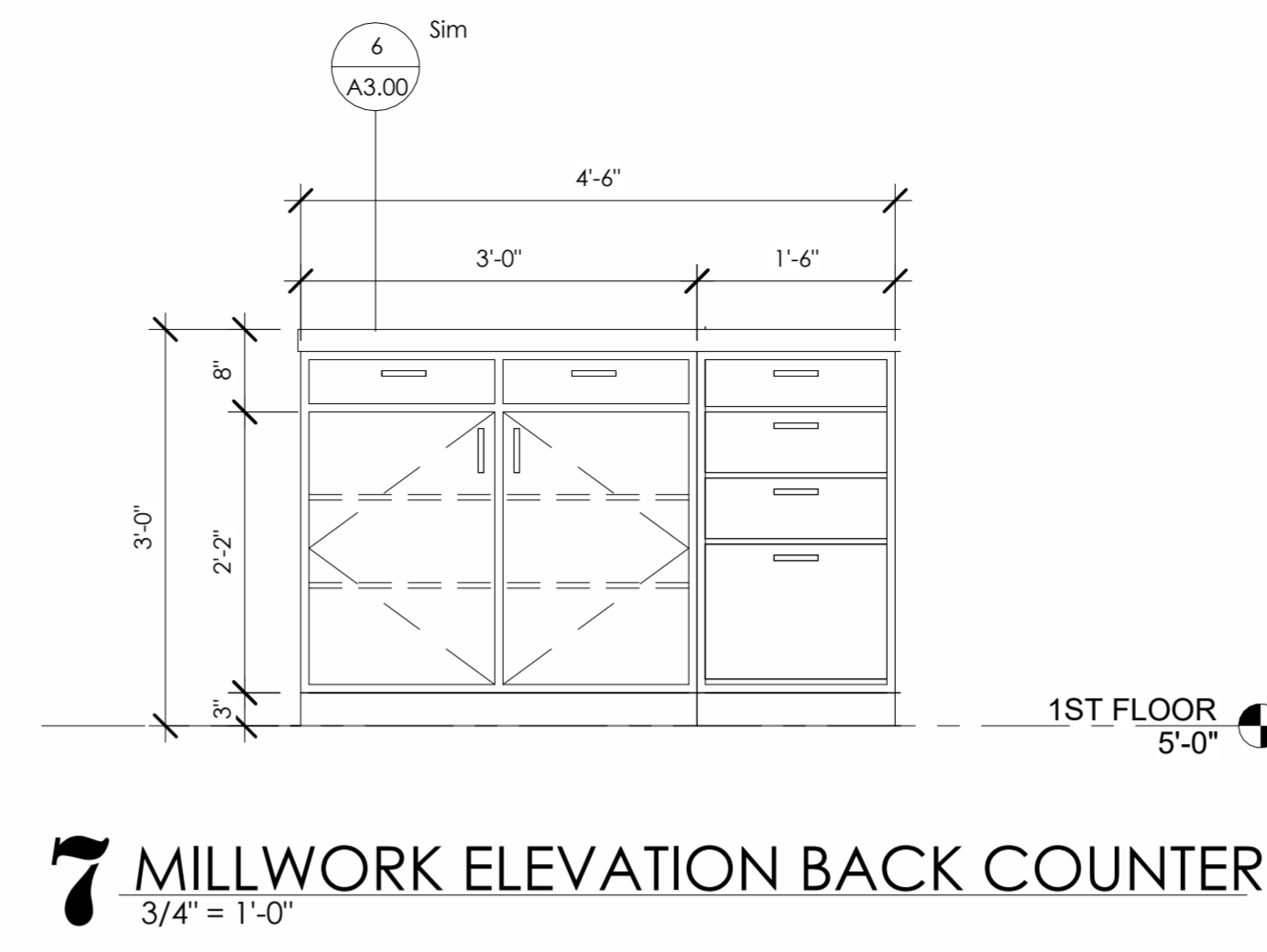
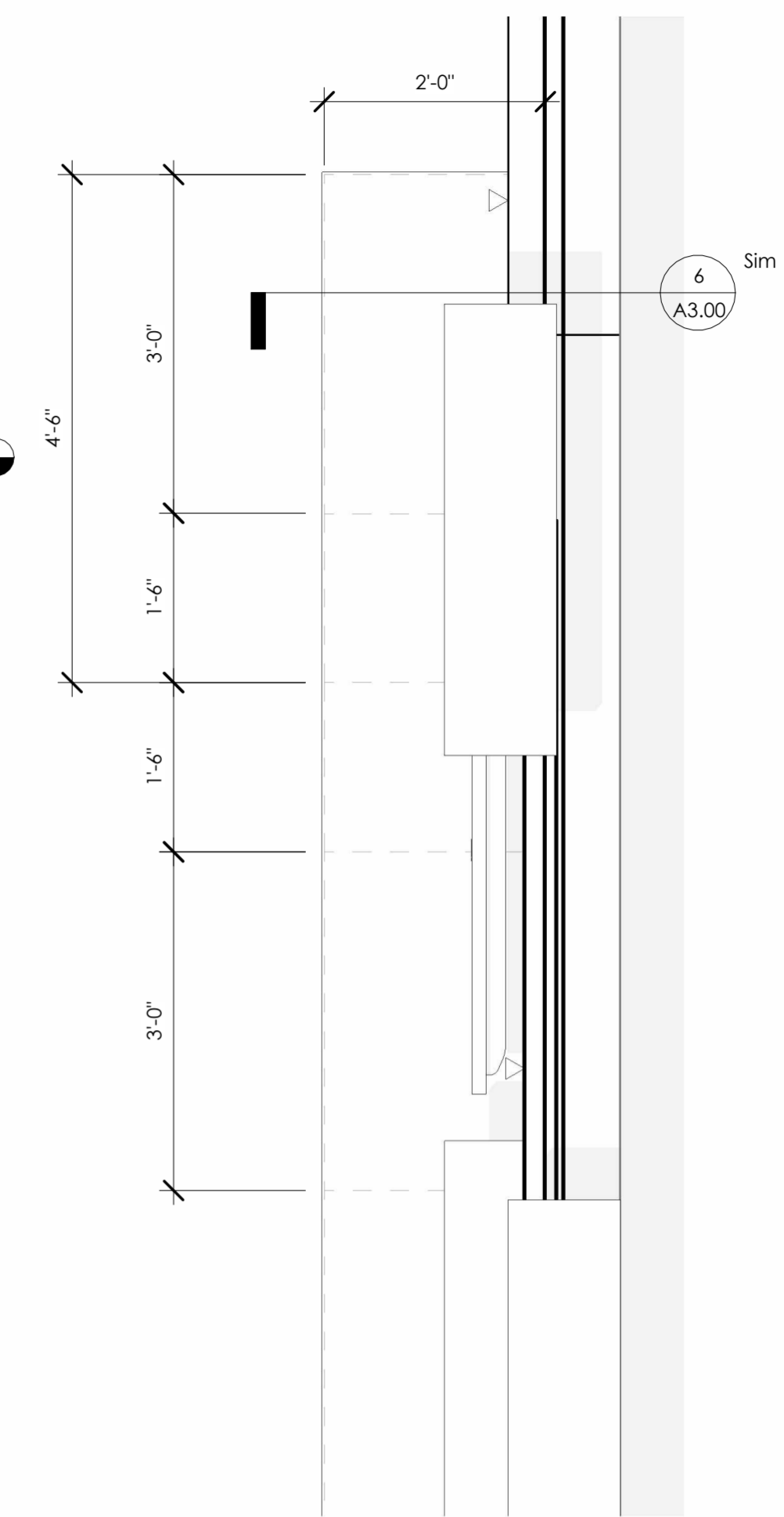
3 INTERIOR ELEVATION 3-A
3/8" = 1'-0"



2 INTERIOR ELEVATION 2-A
3/8" = 1'-0"

No.	Description	Date

Scale	As indicated
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Date	11.15.22



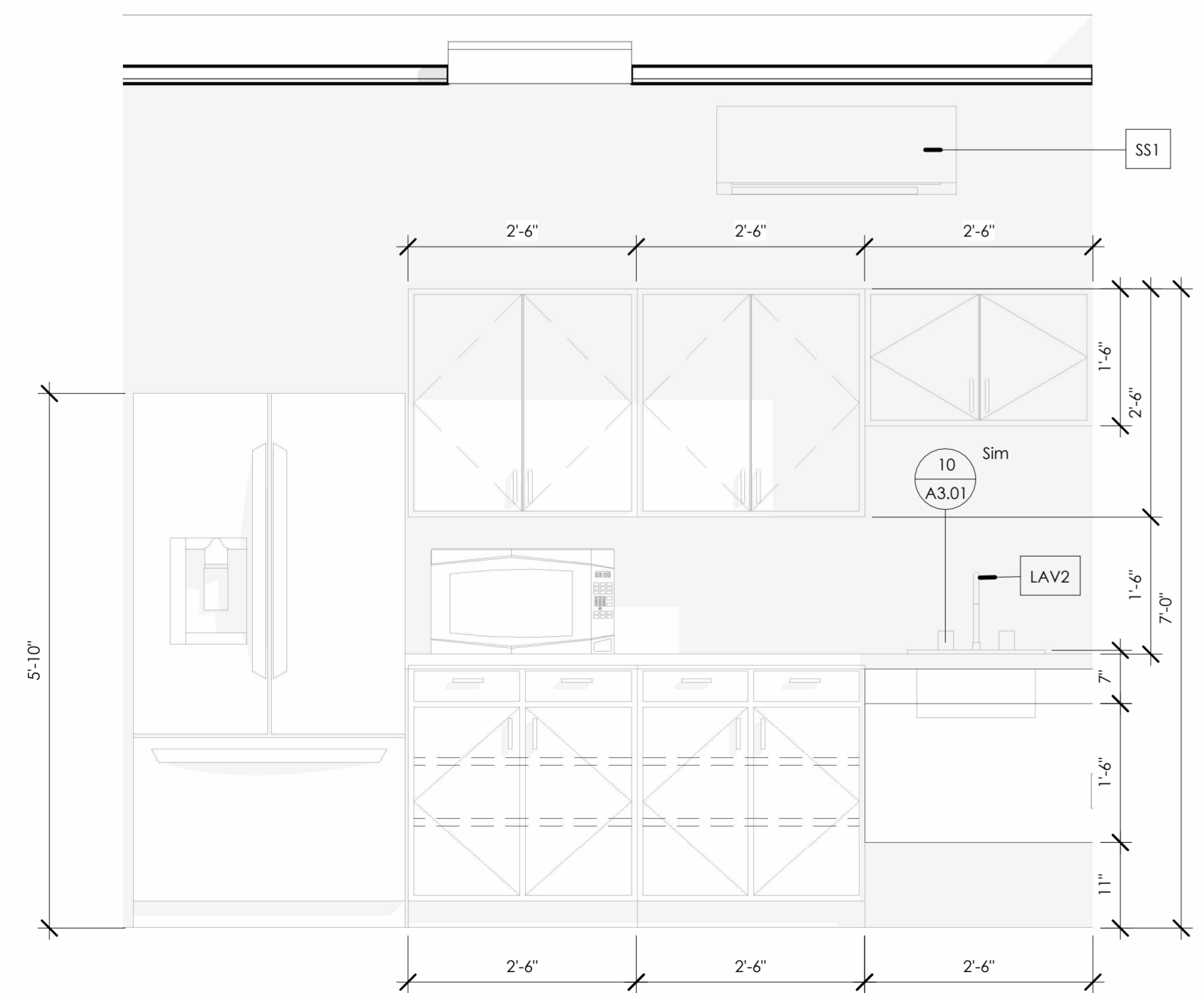
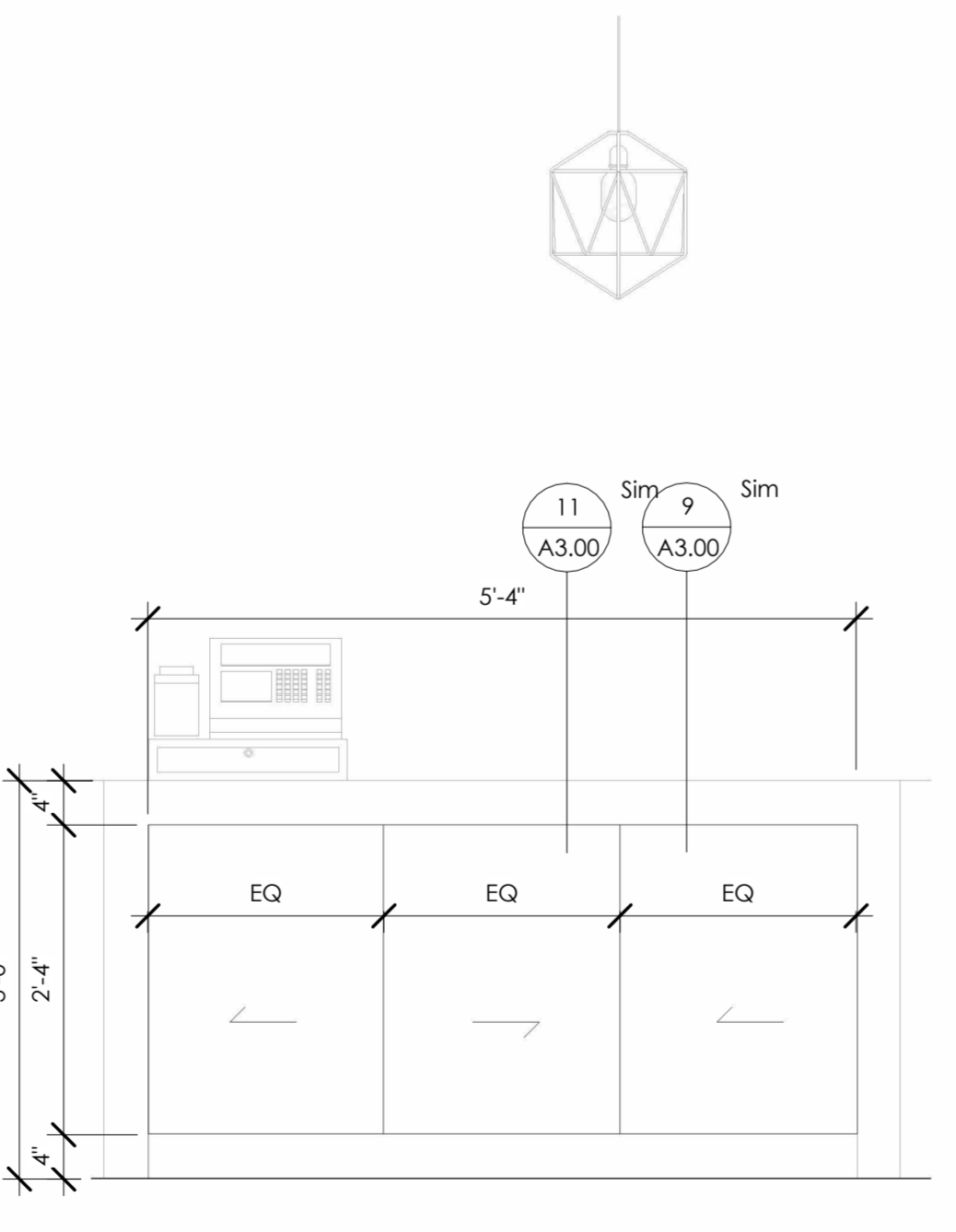
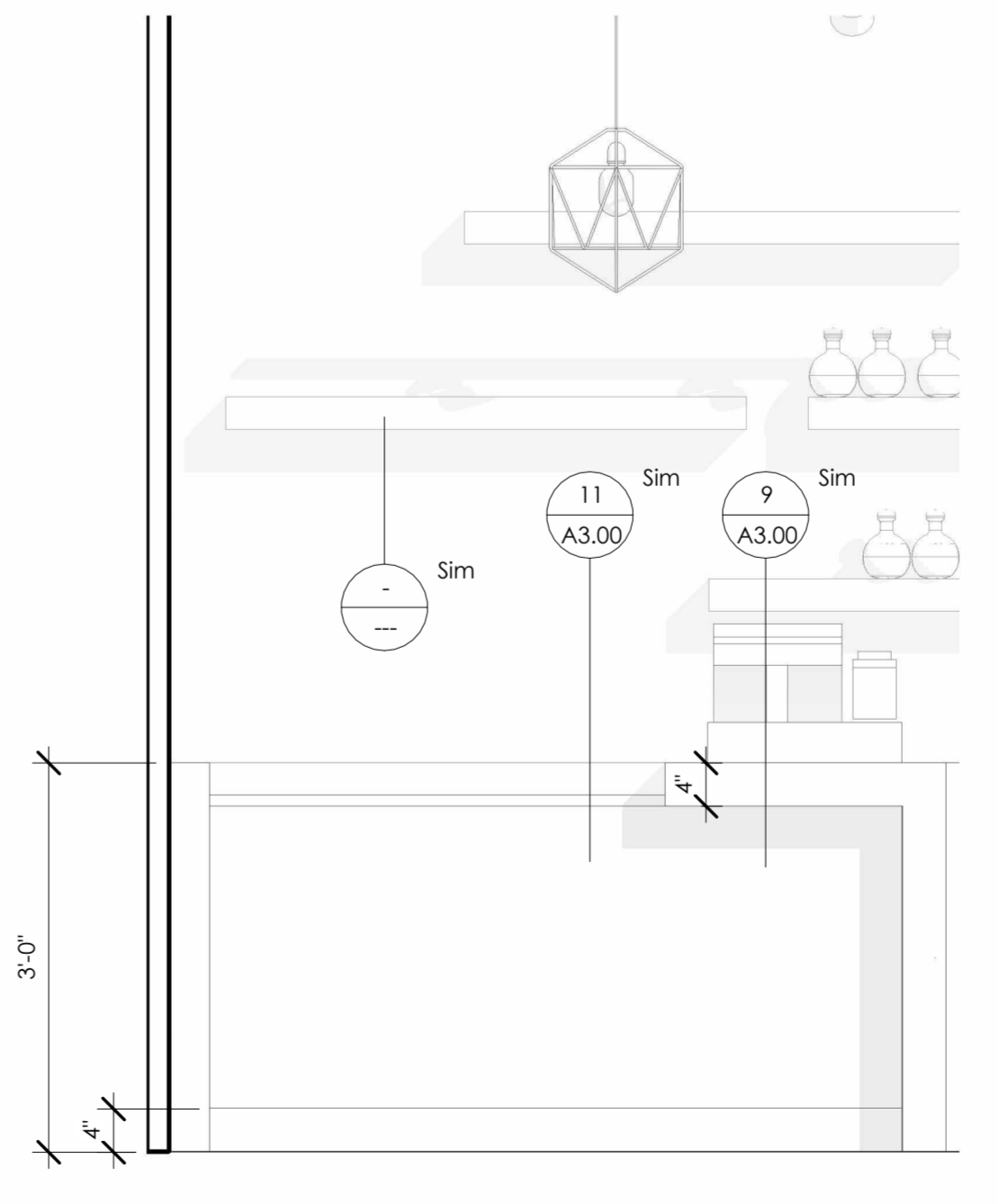
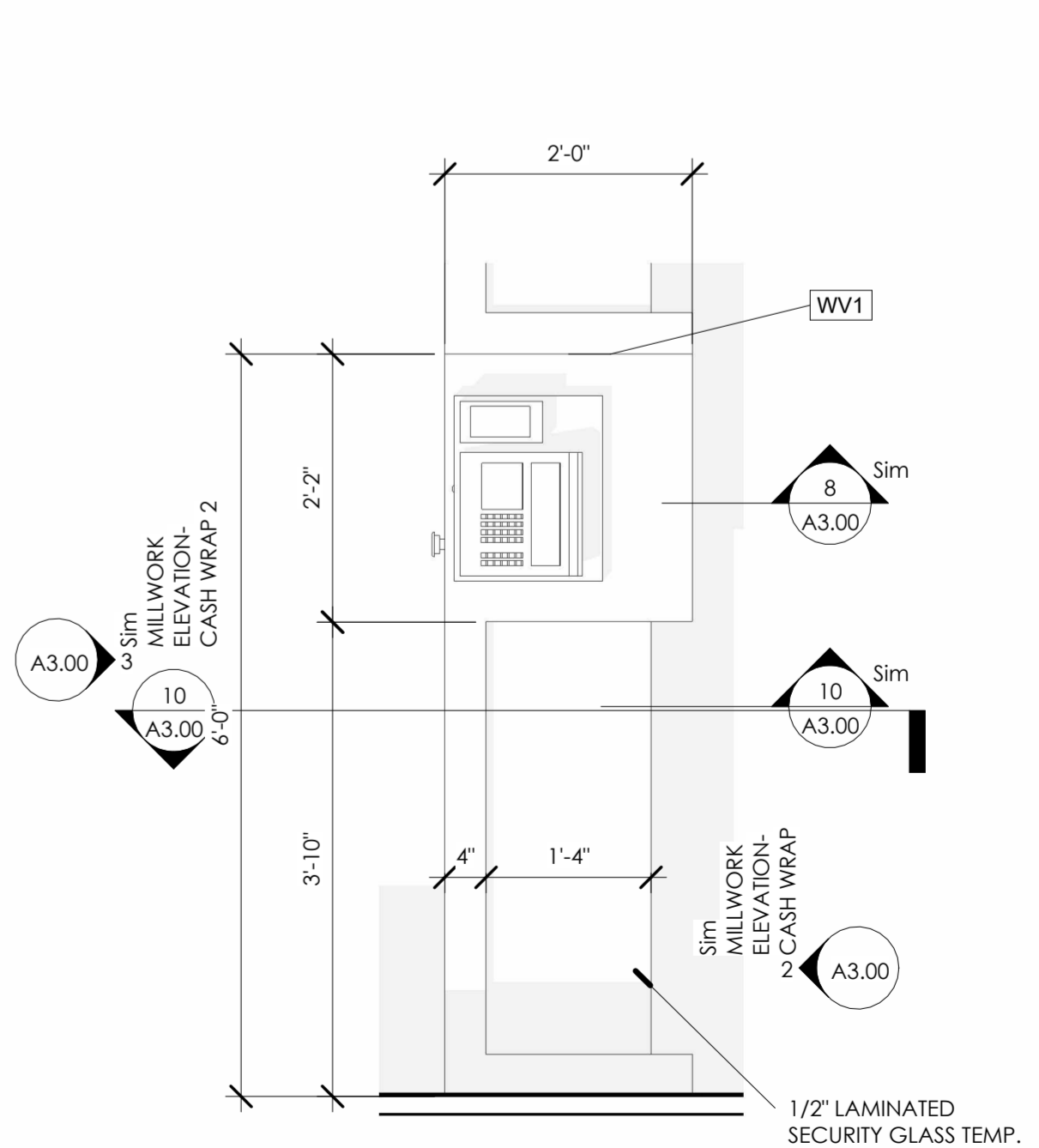
5 BACK COUNTER ENLARGED PLAN
3/4" = 1'-0"

6 BACK COUNTER DETAIL
1" = 1'-0"

8 P.O.S. SECTION
1" = 1'-0"

10 DISPLAY CASE SECTION
1" = 1'-0"

12 MILLWORK DETAIL - BREAK RM
1" = 1'-0"



1 DISPLAY ENLARGED PLAN
3/4" = 1'-0"

2 MILLWORK ELEVATION- CASH WRAP
3/4" = 1'-0"

3 MILLWORK ELEVATION- CASH WRAP 2
3/4" = 1'-0"

4 INTERIOR ELEVATION KITCHENETTE
3/4" = 1'-0"

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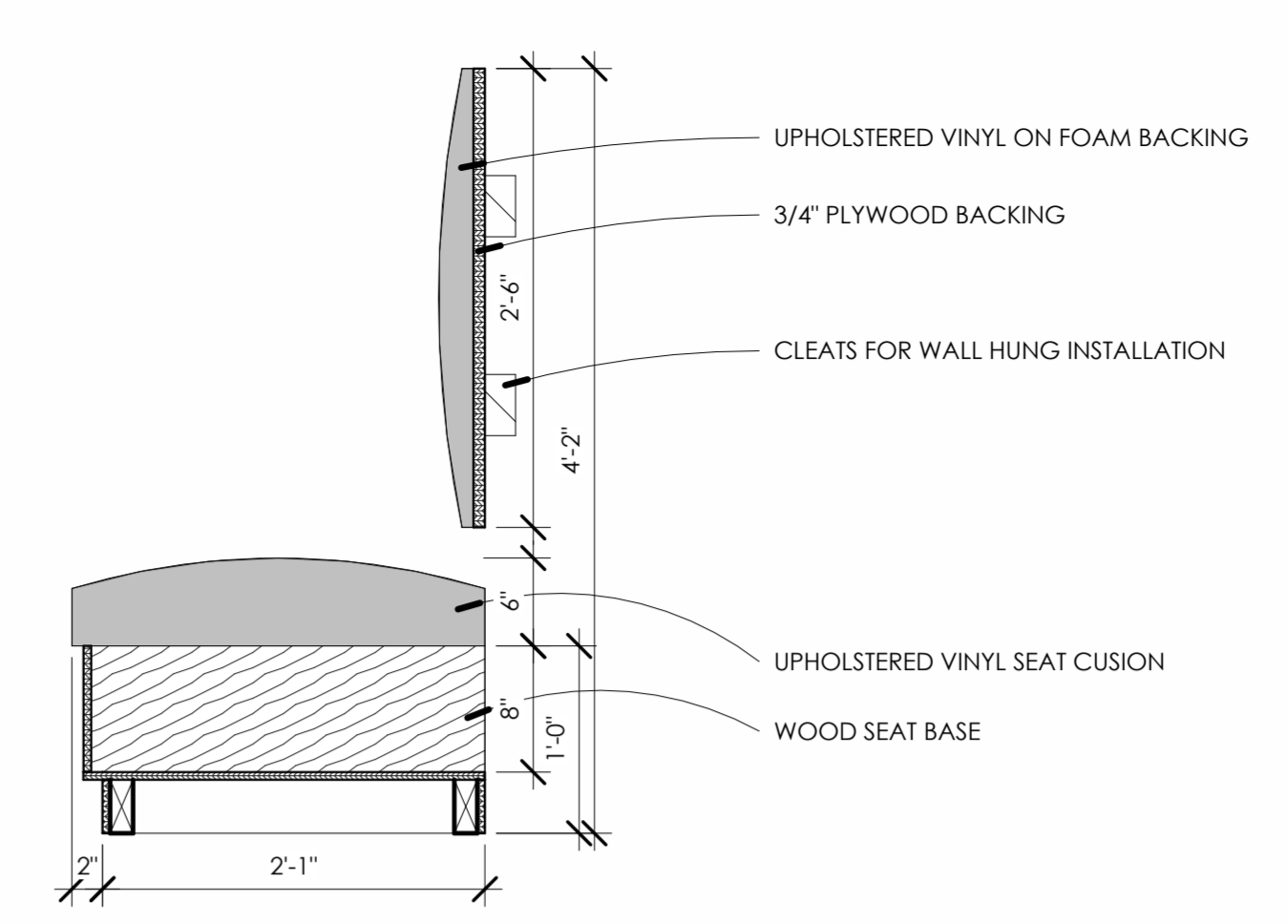
PERMIT SET

No.	Description	Date

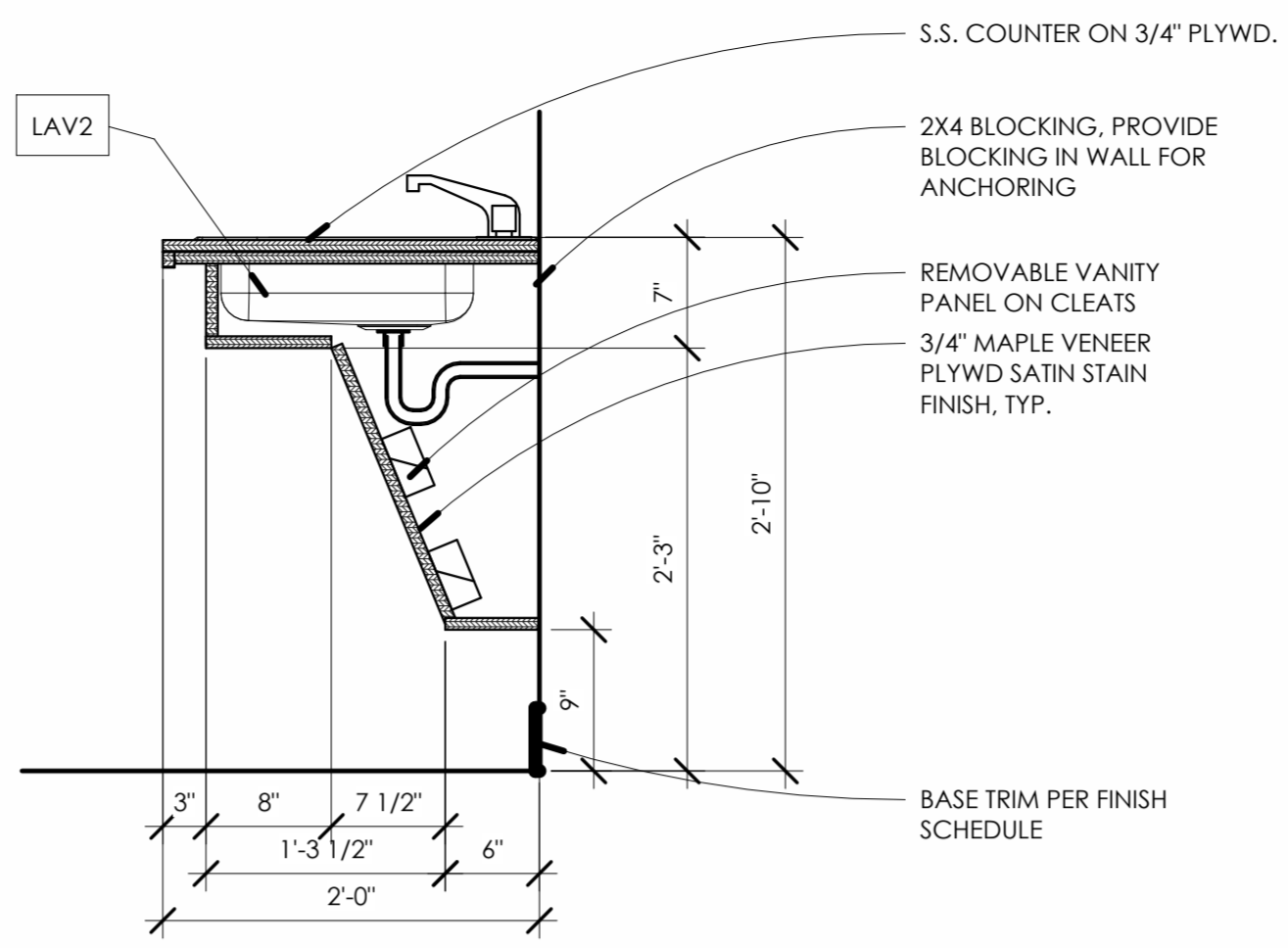
ENLARGED VIEWS

Scale As indicated
Drawn by Author
Date 11.15.22

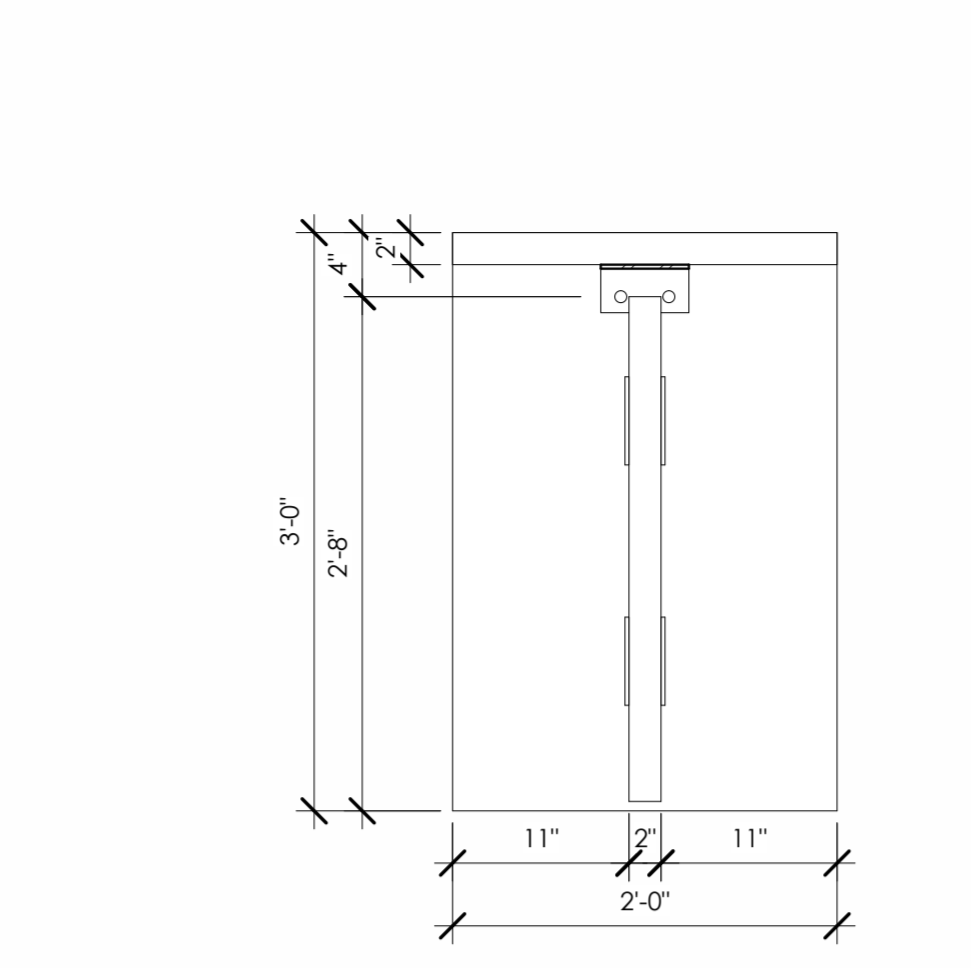
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Comission no. 22018



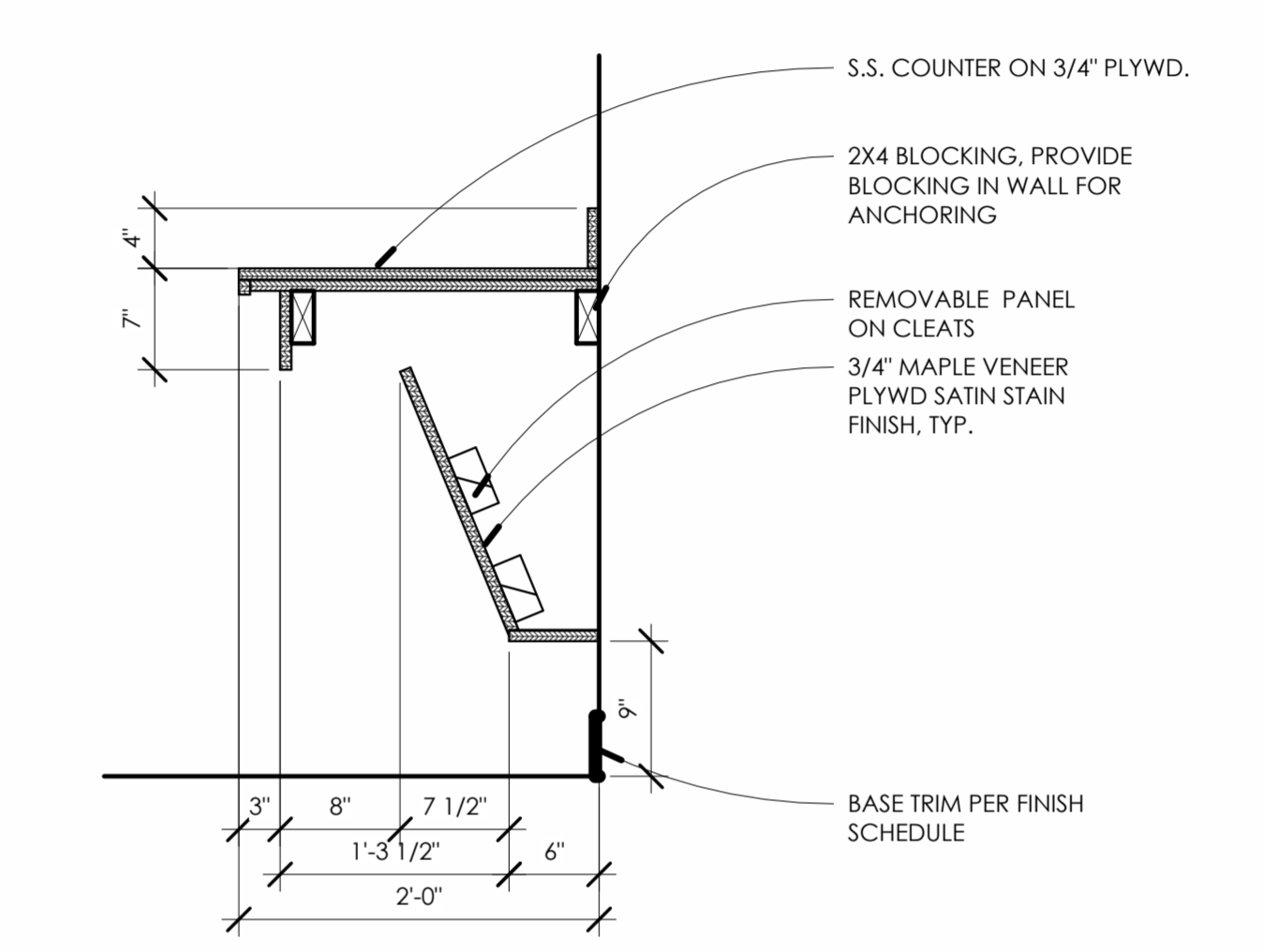
9 BOOTH BENCH DETAIL
1" = 1'-0"



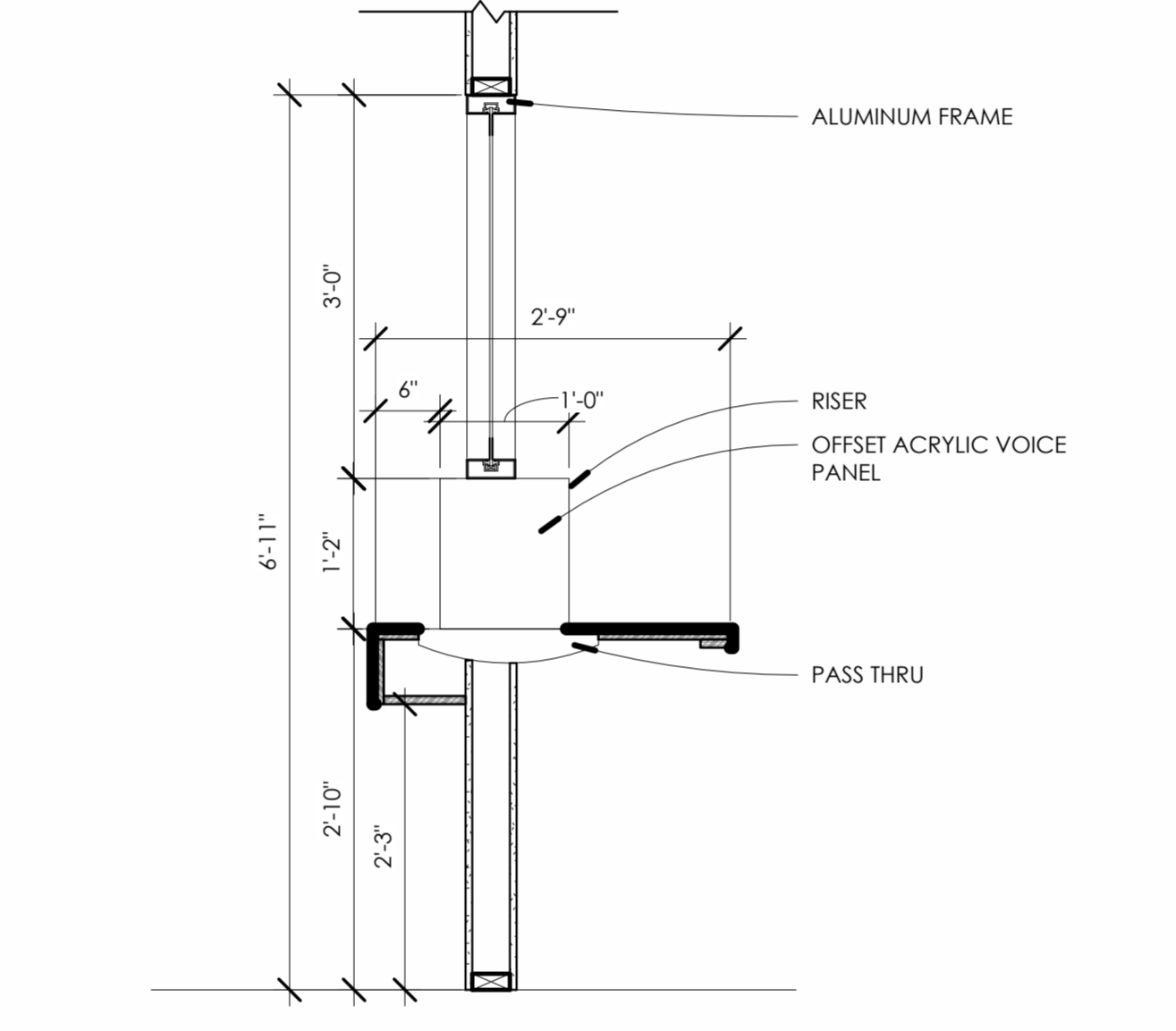
10 KITCHENETTE SINK DETAIL
1" = 1'-0"



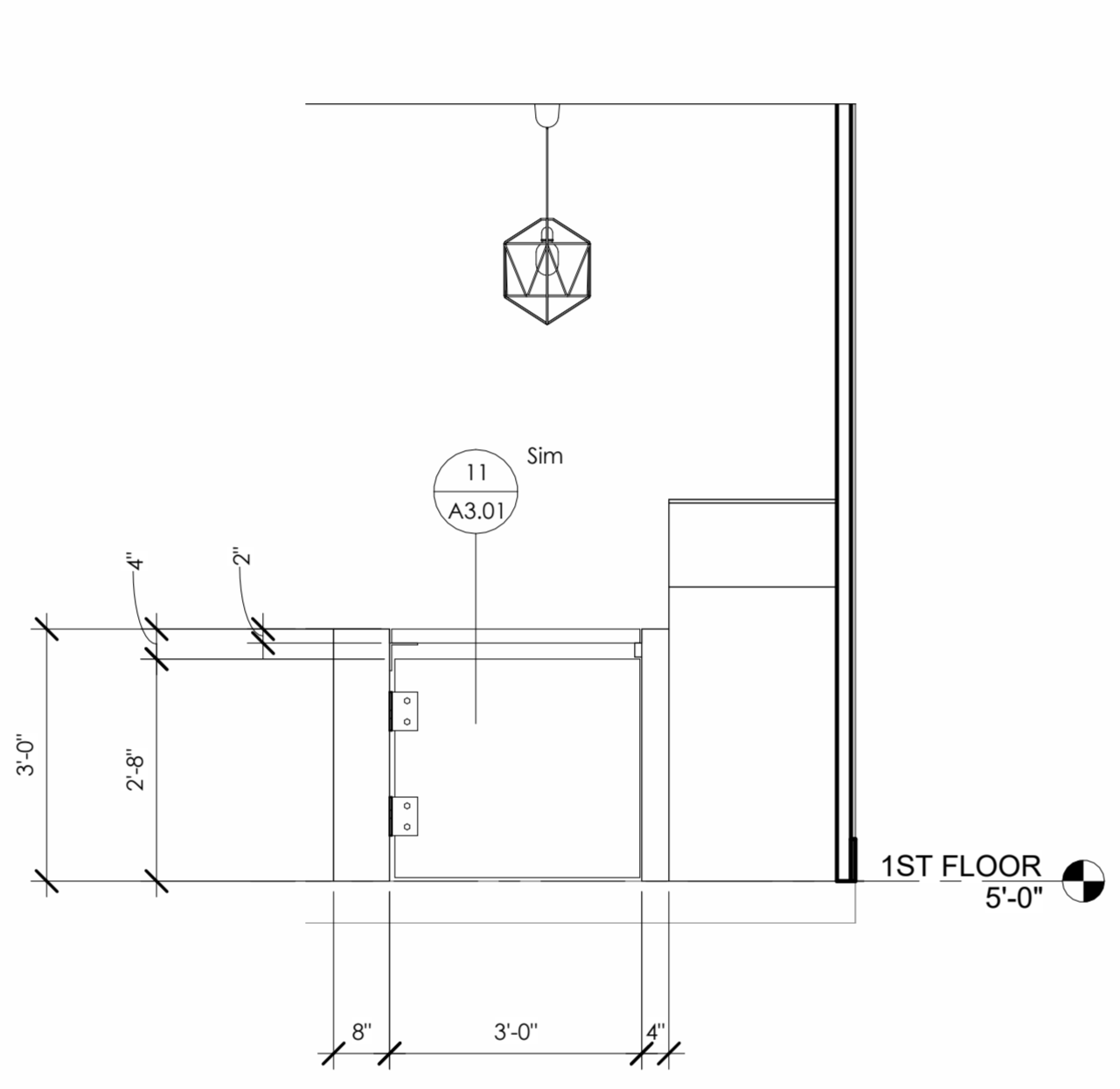
11 FLIP UP GATE DETAIL
1" = 1'-0"



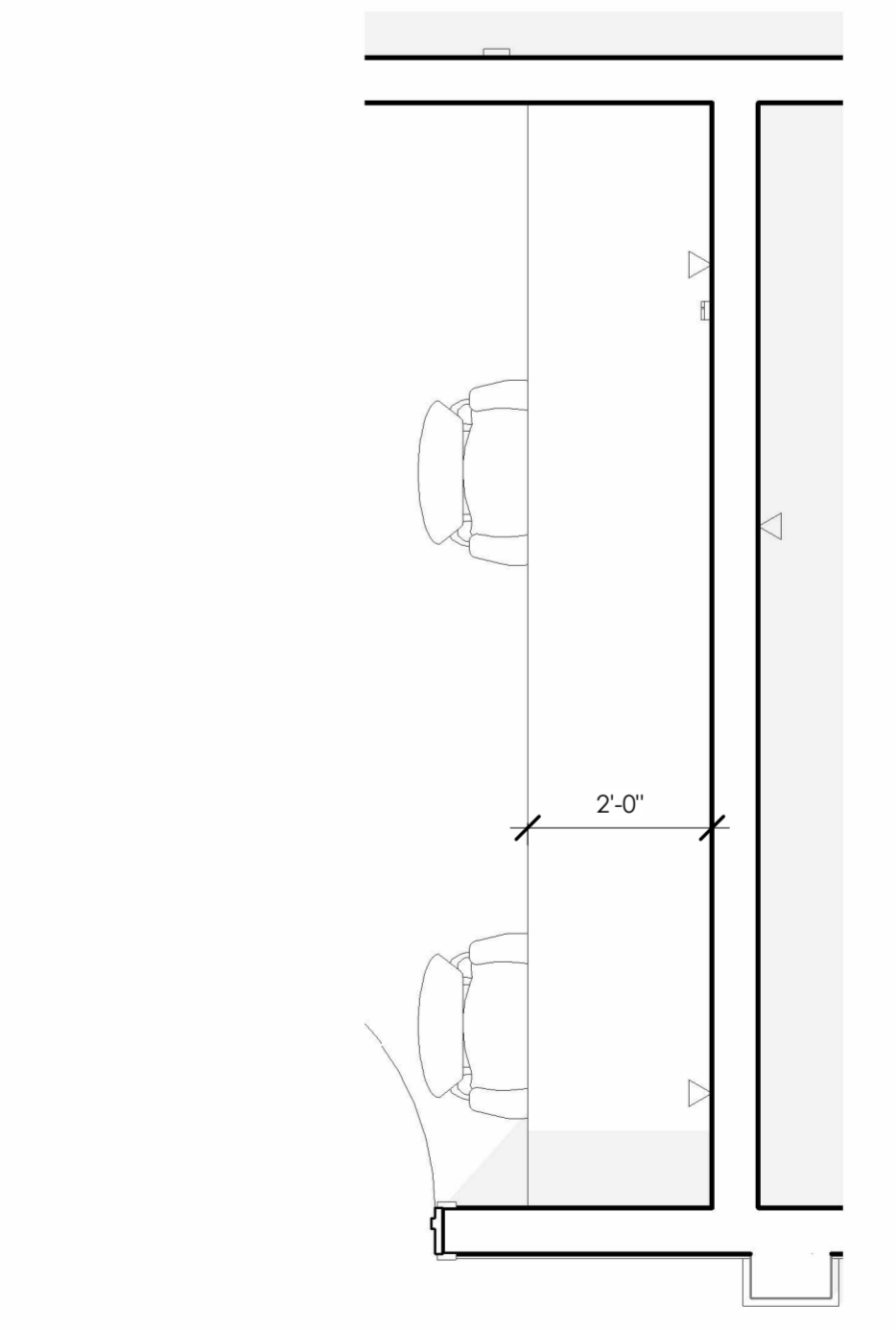
5 ADA SECURITY COUNTER
1" = 1'-0"



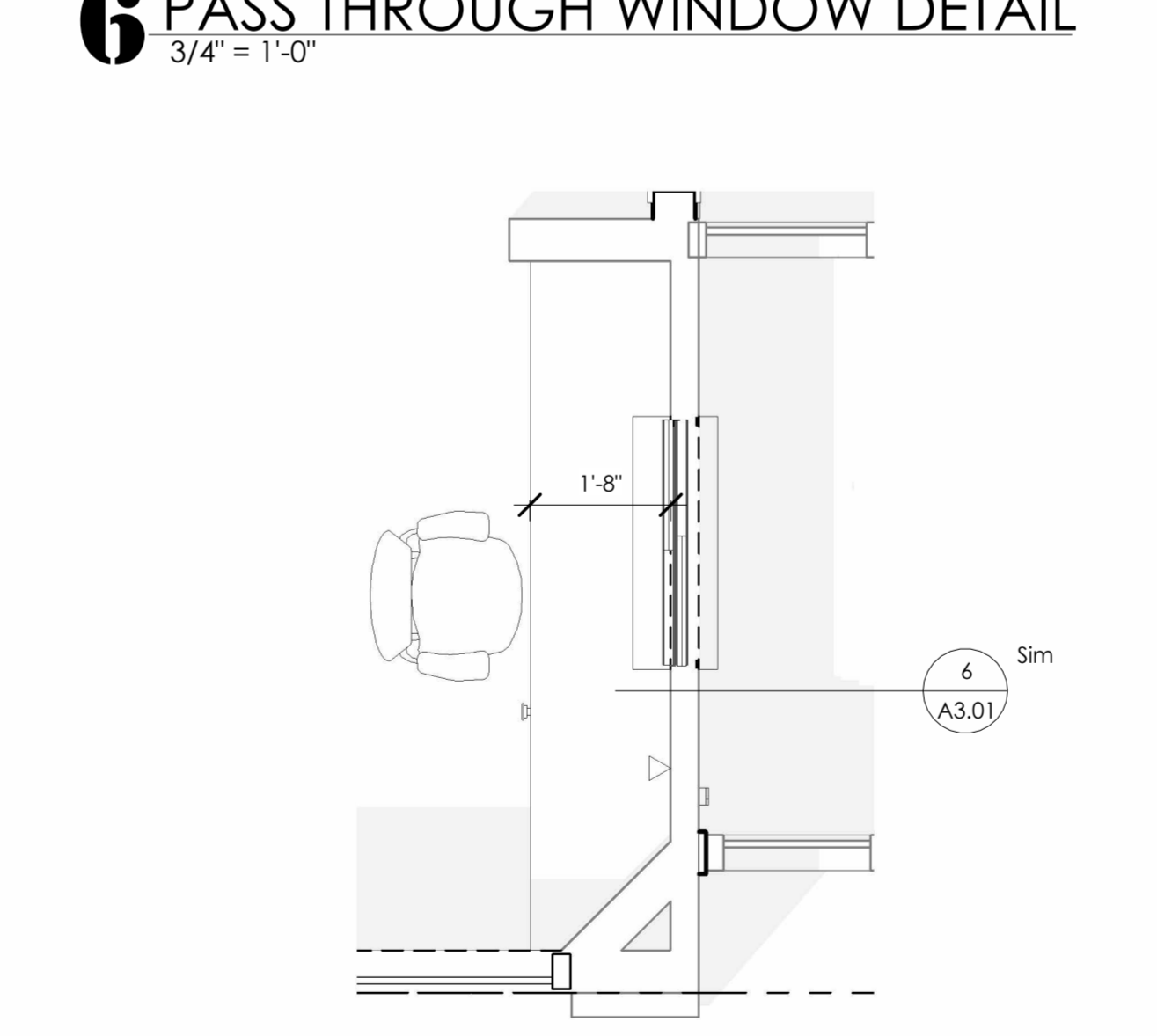
6 PASS THROUGH WINDOW DETAIL
3/4" = 1'-0"



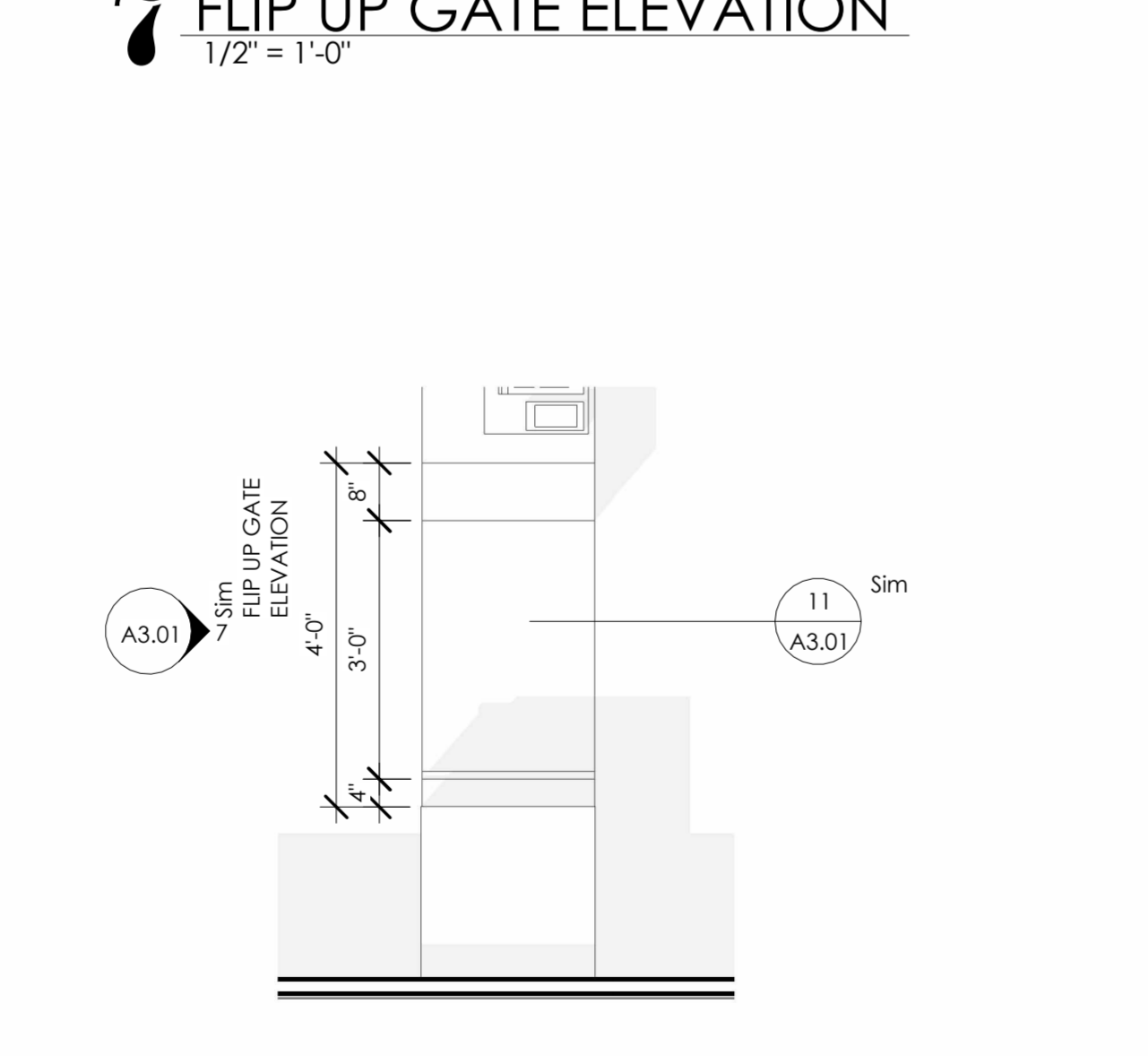
7 FLIP UP GATE ELEVATION
1/2" = 1'-0"



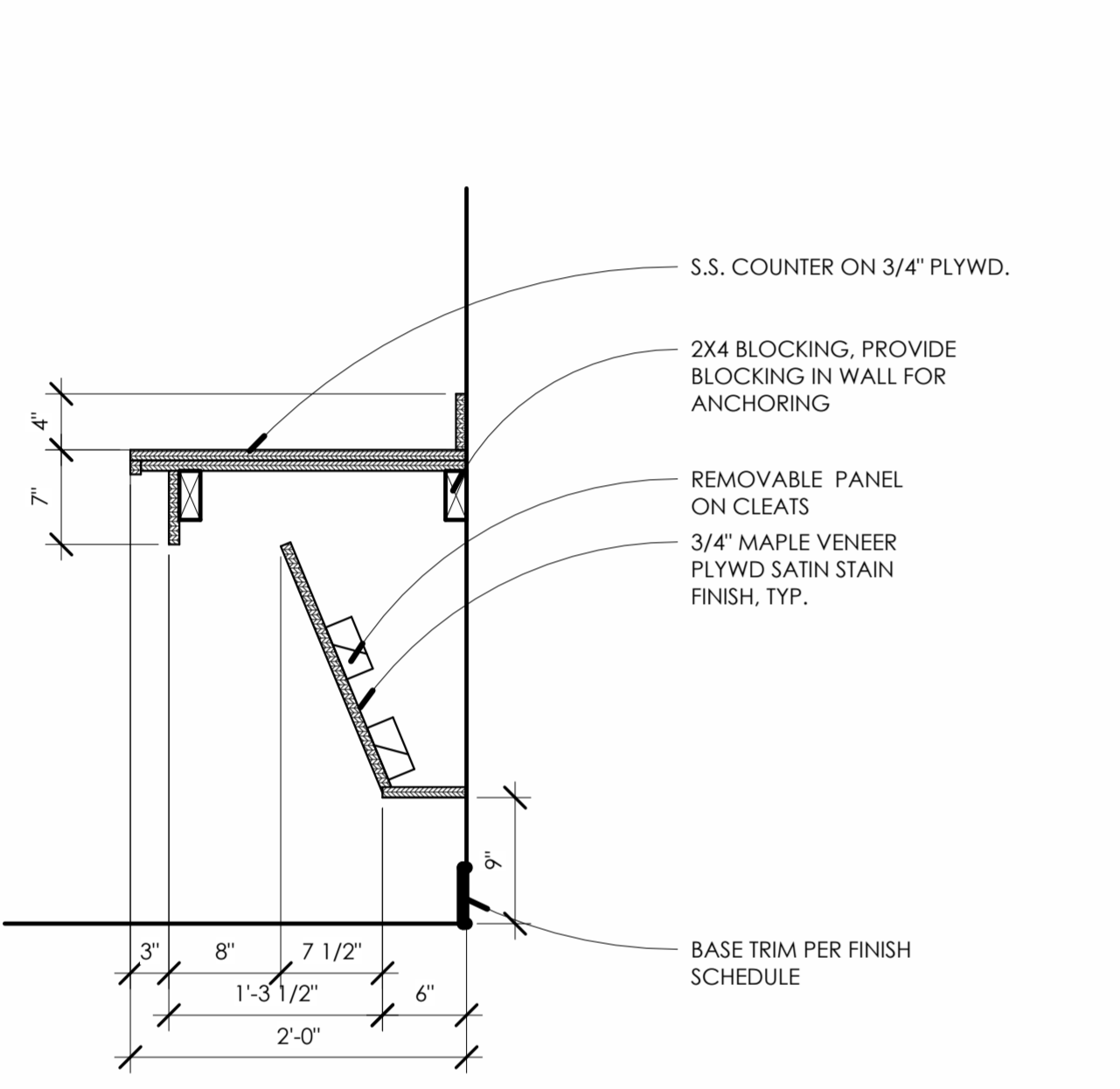
1 SECURITY COUNTER ENLARGED PLAN
1/2" = 1'-0"



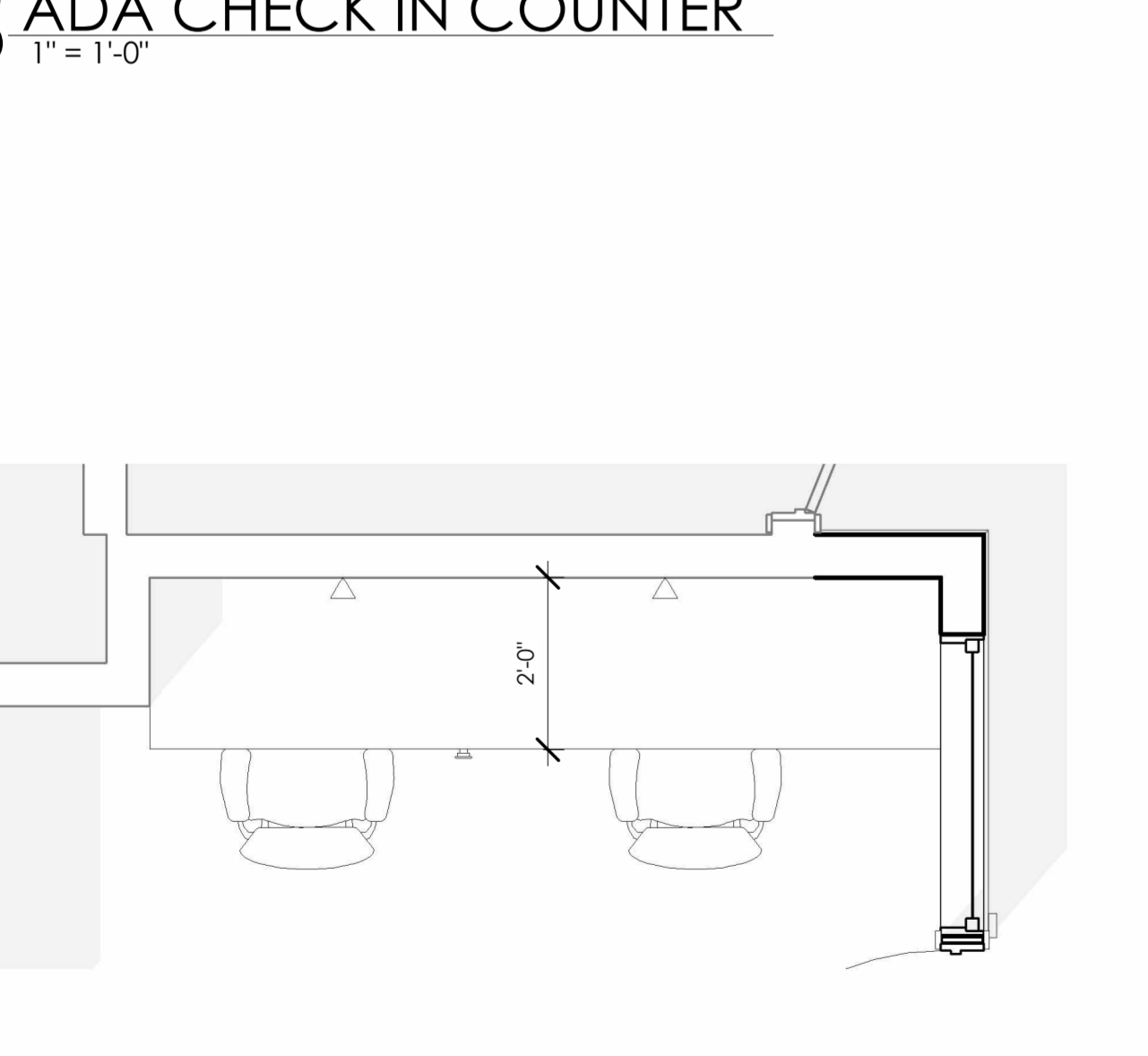
2 CHECK-IN ENLARGED PLAN- FRONT
1/2" = 1'-0"



3 FLIP UP GATE ENLARGED PLAN
1/2" = 1'-0"



8 ADA CHECK IN COUNTER
1" = 1'-0"



4 CHECK-IN ENLARGD PLAN- SIDE
1/2" = 1'-0"

William C. McLees
AIA, LEED AP
New Jersey State License AI 14054
Pennsylvania State License RA403479



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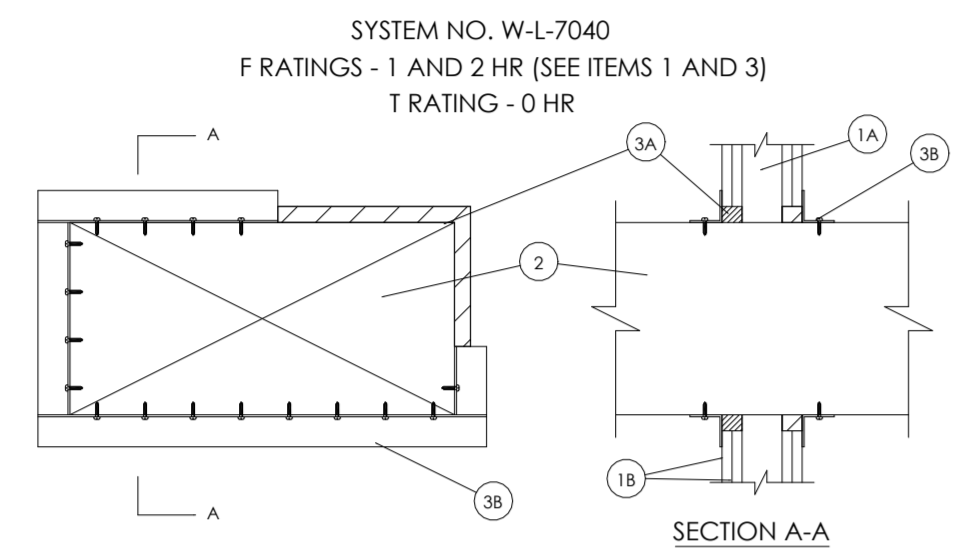
PERMIT SET

No.	Description	Date

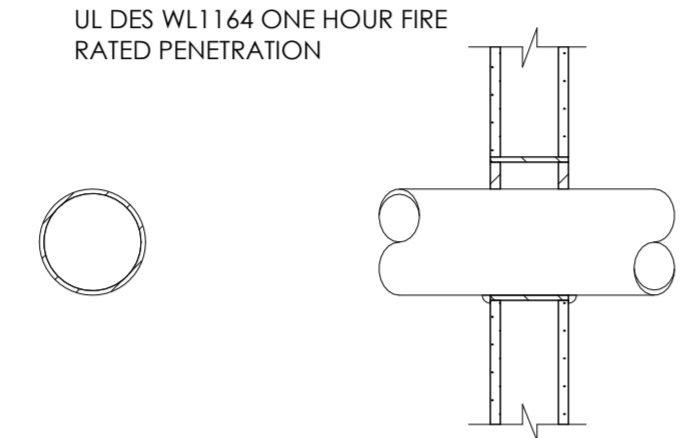
DETAILS

Scale	As indicated
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Date	11.15.22

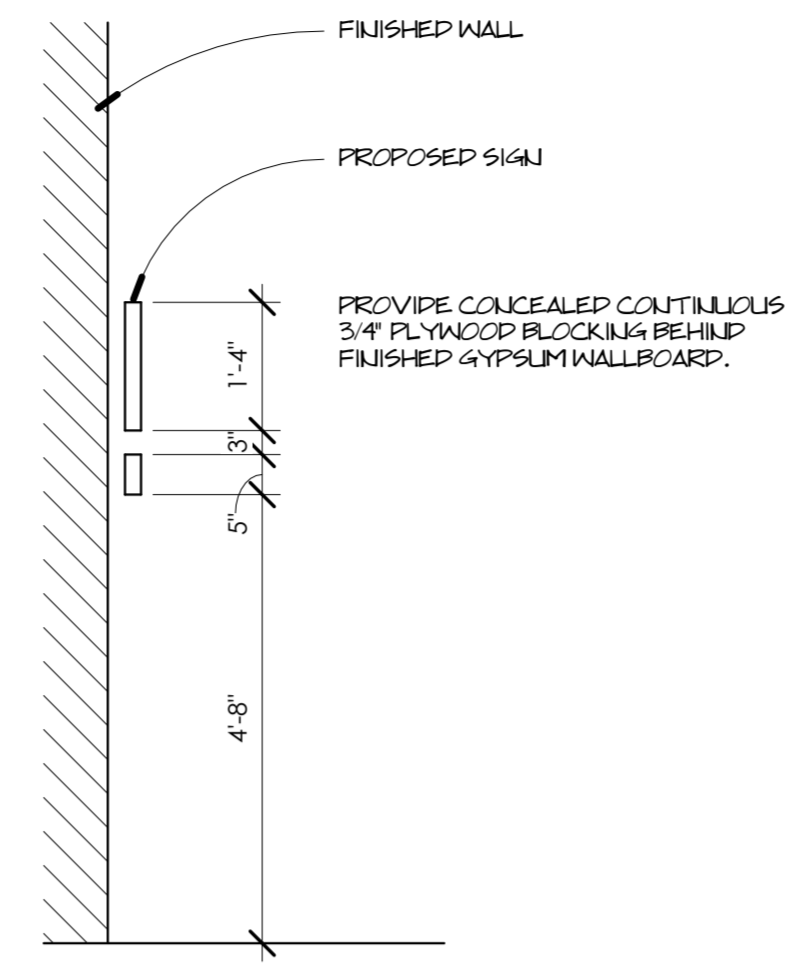
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Comision no. 22018



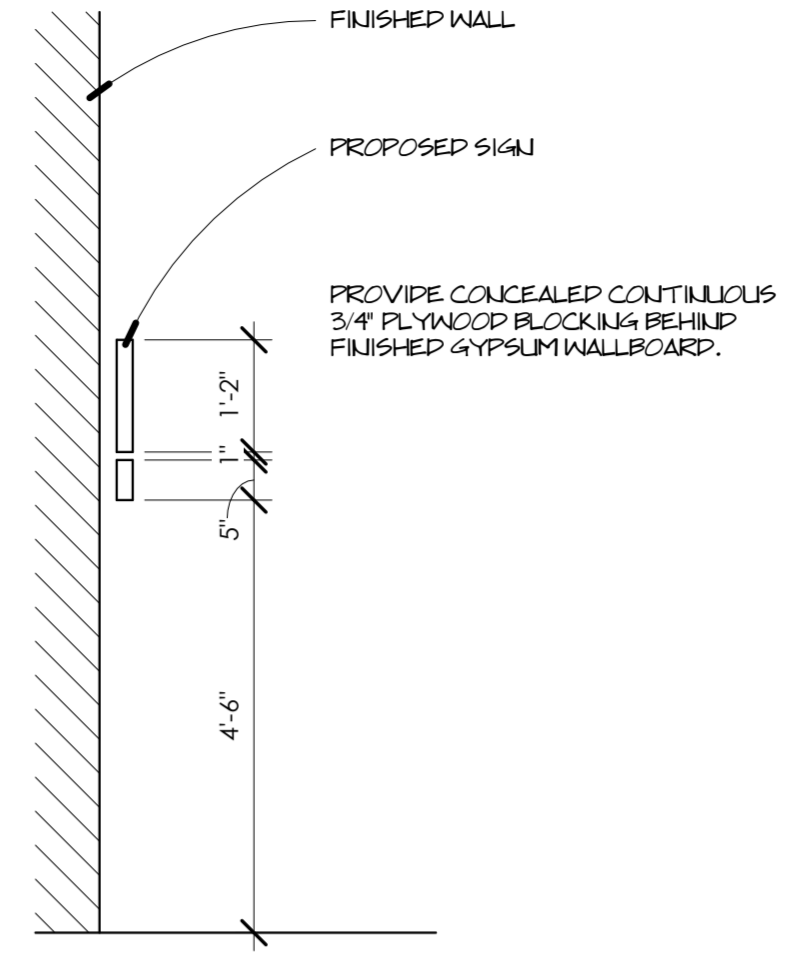
1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL UL300 OR UL400 SERIES WALL AND PARTITION DESIGN IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C. ADDITIONAL FRAMING MEMBERS SHALL BE USED TO COMPLETELY FRAME AROUND OPENING.
B. WALLBOARD, GYPSUM - NOM 5/8 IN. THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN NUMBER. MAX AREA OF OPENING IS 1244 IN. WITH THE DIMENSION OF 49-1/4 IN. THE HOURLY F-RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL DUCT - NOM 24 IN. BY 48 IN. (OR SMALLER) NO. 24 GAUGE (OR HEAVIER) GALV STEEL DUCT TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO A MAX 1 IN. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY.
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
A. FILL, VOID OR CAVITY MATERIAL - SEALANT - IN 1 HR ASSEMBLIES, MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL. IN 2 HR ASSEMBLIES, MIN 1-1/4 IN. THICKNESS OF SEALANT APPLIED WITHIN ANNULUS FLUSH WITH BOTH SURFACES OF WALL.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT OR CP6015 ELASTOMERIC FIRESTOP SEALANT OR CP608 FLEXIBLE SEALANT
B. STEEL RETAINING ANGLE - MIN 1-1/2 IN. BY 1-1/2 IN. NO. 16 MSG (0.060 IN.) GALV STEEL ANGLES CUT TO FIT CONTOUR OF DUCT WITH A 1-1/2 IN. OVERLAP ON BOTH SURFACES OF WALL. VERTICAL LEG OF ANGLE SECURED TO DUCT WITH MIN NO. 8 BY 3/4 IN. LONG SHEET METAL SCREWS PER SIDE, SPACED A MAX OF 3 IN. O.C.
*BEARING THE UL CLASSIFICATION MARKING



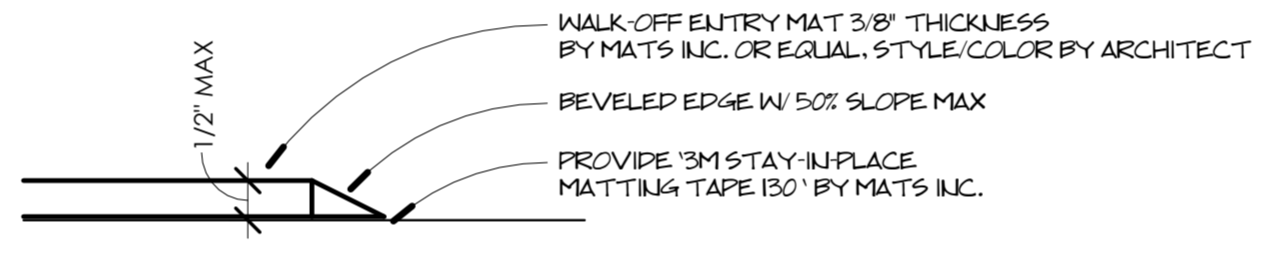
1. WALL ASSEMBLY THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL UL400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUD AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
B. GYPSUM BOARD - THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL UL300 OR UL400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IN STEEL STUD WALLS IS 32 IN., MAX DIAM OF OPENINGS IN WOOD STUD WALLS IS 14-1/2 IN. THE HOURLY F-RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE - NOM 32 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE. FRICTION FIT IN NOM 32 IN. DIAM CIRCULAR OPENING CUT THROUGH GYP-SUM WALLBOARD LAYERS. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL.
3. THROUGH-PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND THE STEEL SLEEVE SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE - NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE - NOM 30 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
C. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
4. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8 IN. AND 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY FOR 1 OR 2 HR RATED WALLS, RESPECTIVELY. MIN 1/2 IN. DIAM BEAD OF CAULK APPLIED TO THE PENETRANT/WALLBOARD INTERFACE AT THE POINT CONTACT LOCATION ON BOTH SIDES OF WALL.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT
*BEARING THE UL CLASSIFICATION MARKING



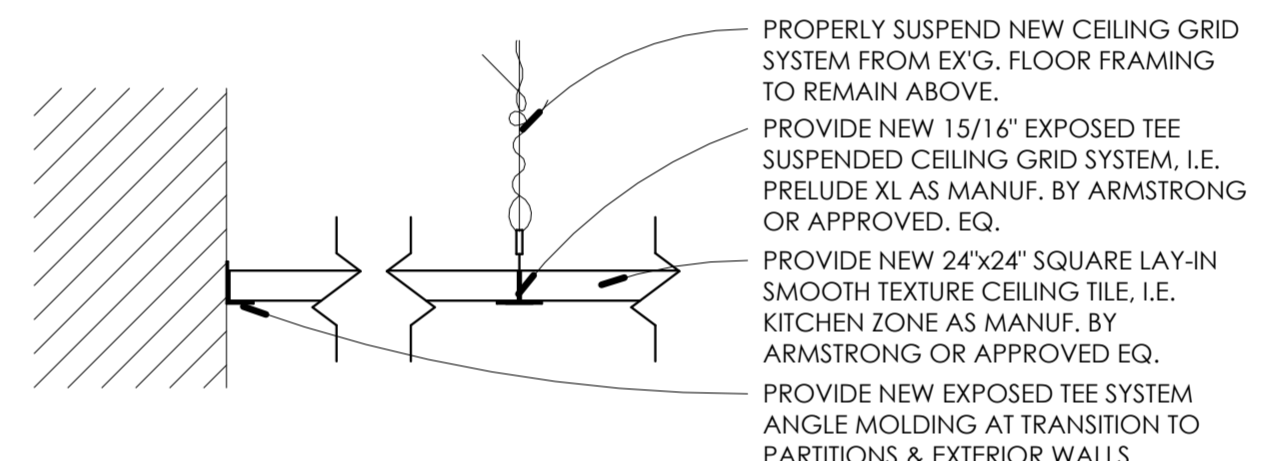
8 SIGNAGE DETAIL - WAITING
1/2" = 1'-0"



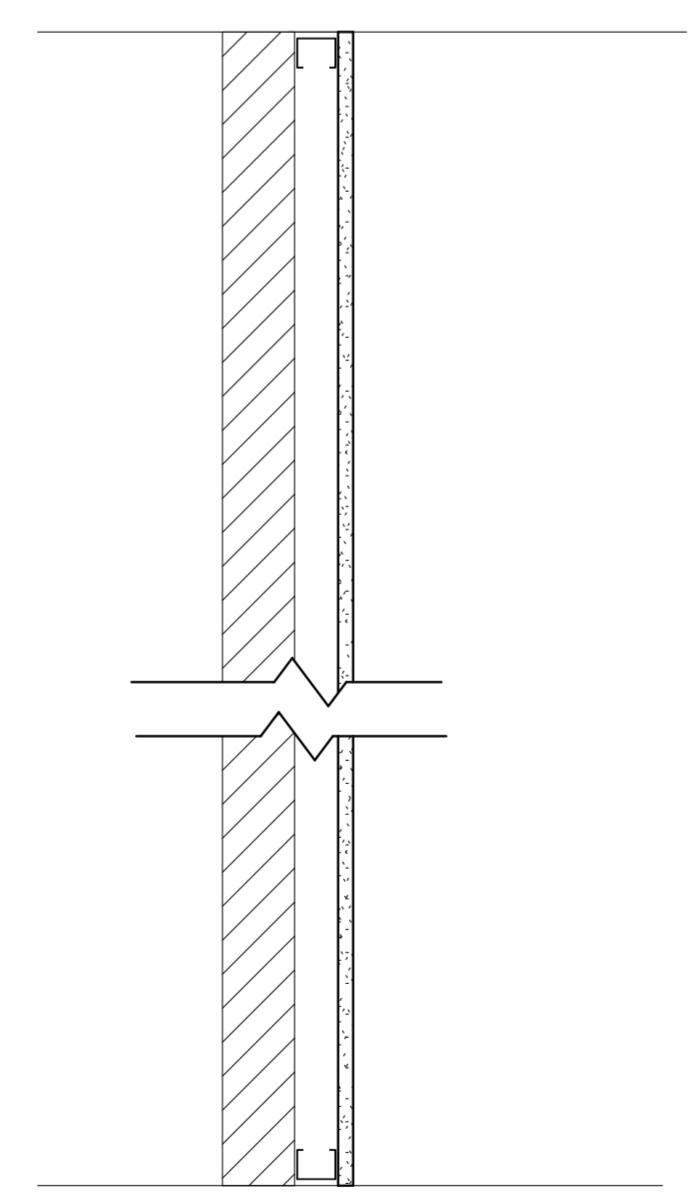
7 SIGNAGE DETAIL - CHECK IN
1/2" = 1'-0"



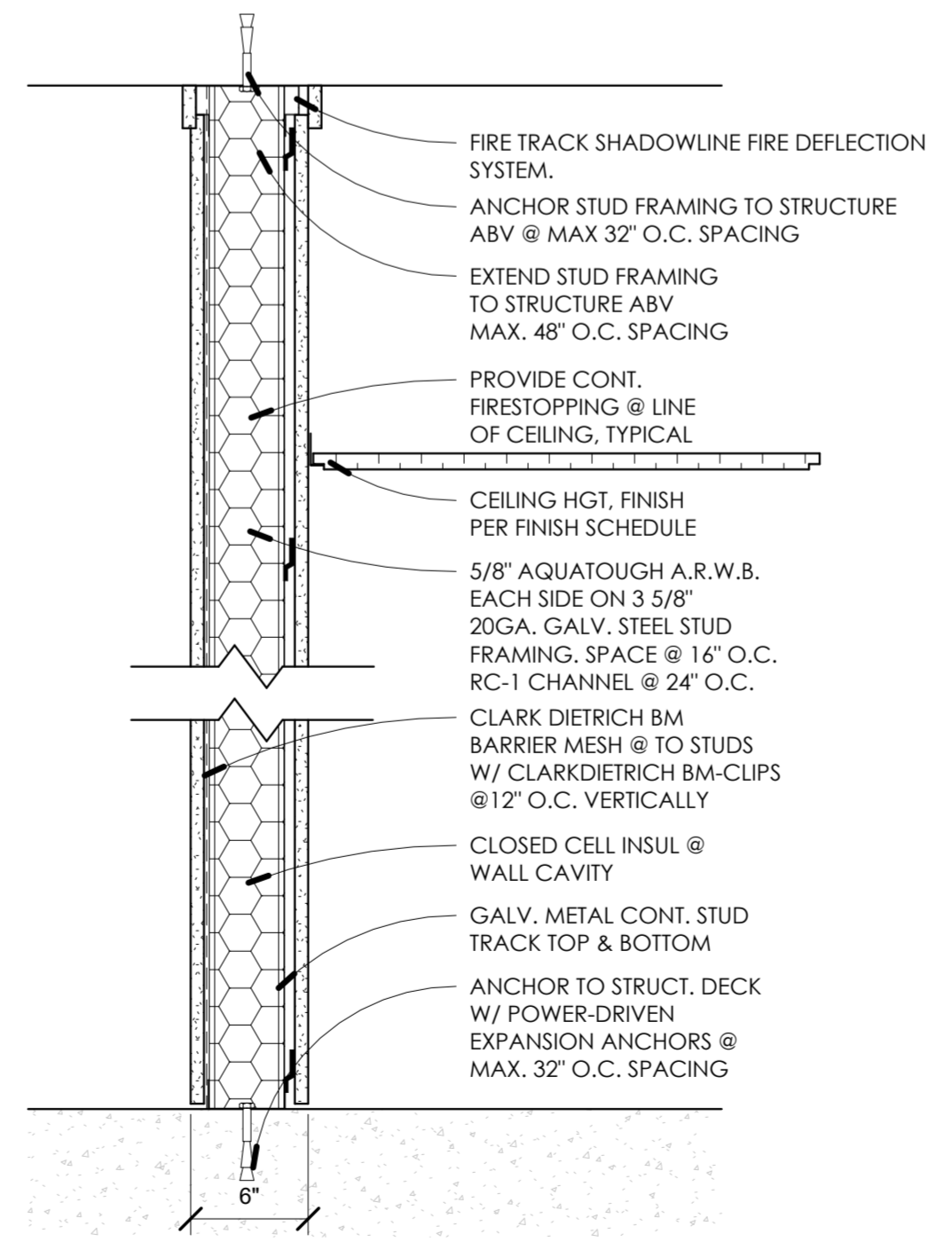
5 WALK-OFF MAT DETAIL
6" = 1'-0"



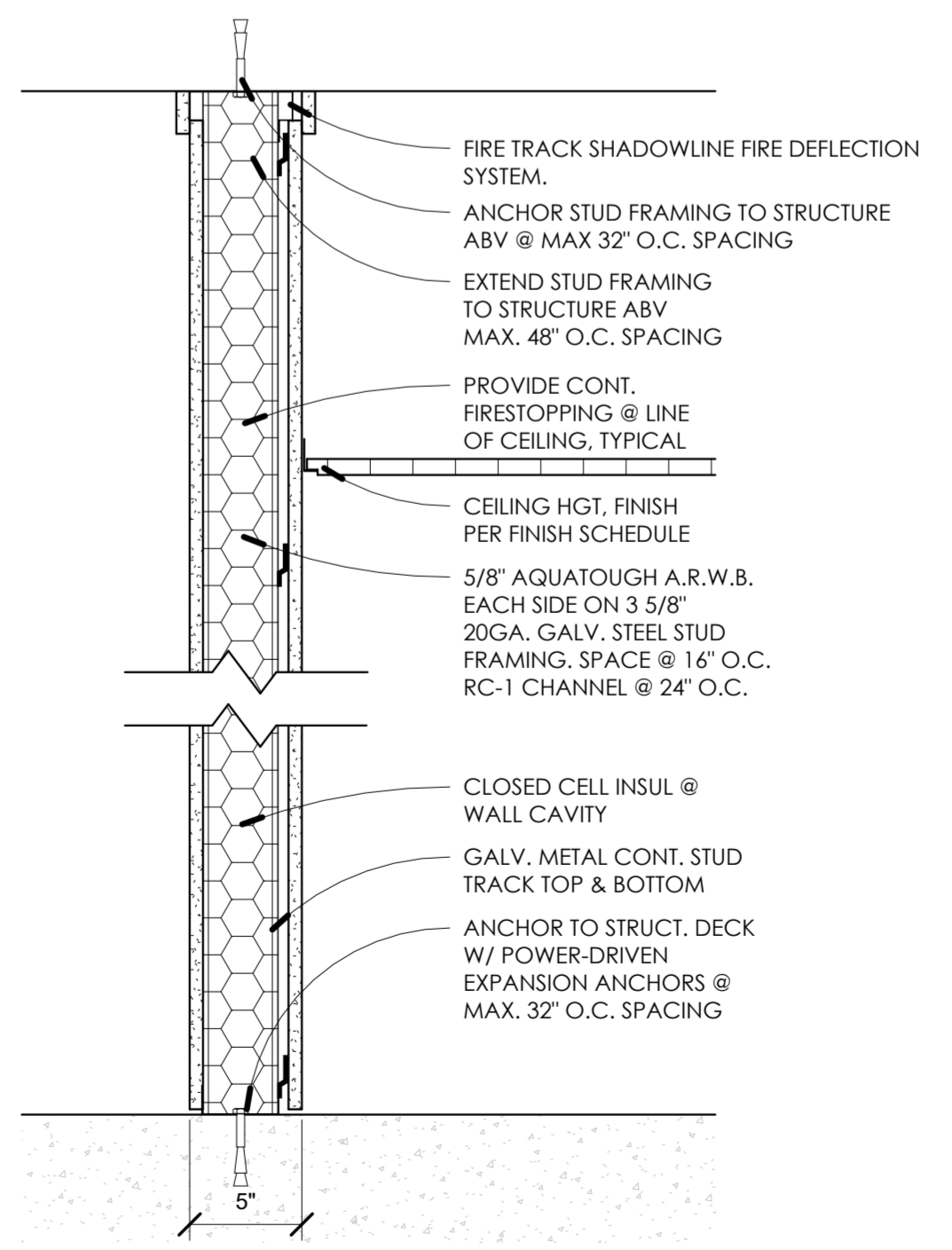
4 ACT SYSTEM DETAIL
3" = 1'-0"



3 PARTITION 020
1 1/2" = 1'-0"



2 PARTITION 141
1 1/2" = 1'-0"



1 PARTITION 140
1 1/2" = 1'-0"