



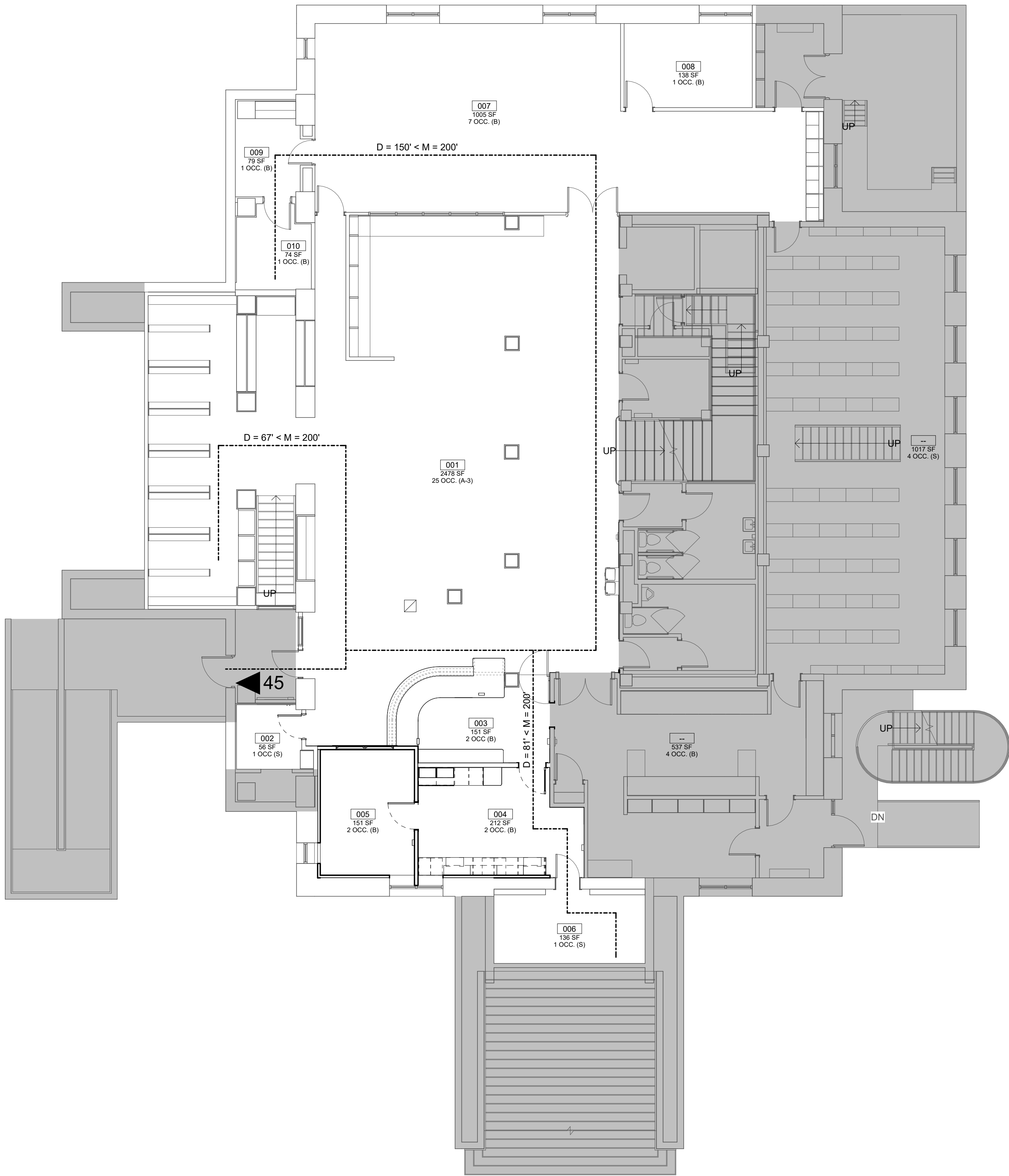
State of North Dakota

ND State Library Renovation

Bismarck, ND

Contract Documents
September 15, 2026

INDEX			VICINITY MAP	SET #
COVER SHEET ARCHITECTURAL B101 Ground Floor Code Plan B102 First Floor Code Plan A001 Ground Floor Demolition Plan A002 First Floor Demolition Plan A100 Phasing Plans A101 Ground Floor Renovation Plan & Details A501 Ground Floor Room Finish Plan A502 First Floor Room Finish Plan A601 Door Schedule & Door/Window Elevations and Details A801 Casework Elevations & Sections A802 Casework Sections & Backing Details A803 Casework Sections & Plan Details A901 Main Floor Reflected Ceiling Plan MECHANICAL M100 Mechanical Reference M101 Ground Floor Mechanical Demolition Plan M301 Ground Floor Mechanical Plan M601 Mechanical Schedules & Details ELECTRICAL E001 Electrical Cover Sheet E101 Ground Floor – Electrical Demolition Plan E201 Ground Floor – Lighting Plan E301 Ground Floor – Power Plan E401 Ground Floor – Systems Plan			STATE OF NORTH DAKOTA ND STATE LIBRARY RENOVATION 601 E BOULEVARD AVE BISMARCK, ND 58505	
ELECTRICAL	MECHANICAL	ARCHITECT		OWNER
APEX ENGINEERING 600 SOUTH SECOND STREET, SUITE 145 BISMARCK, ND 58504 CONTACT: WES GULLICKS, PE PHONE: (701) 323-3950	PRAIRIE ENGINEERING 619 RIVERWOOD DRIVE, SUITE 205 BISMARCK, ND 58504 CONTACT: BLAKE WAGNER, PE PHONE: (701) 258-3493	J2 STUDIO ARCHITECTURE 919 SOUTH 7TH STREET, SUITE 400 BISMARCK, ND 58504 CONTACT: JAMES DEVINE, AIA, NCARB, LEED AP PHONE: (701) 255-1622		STATE OF NORTH DAKOTA 600 EAST BOULEVARD AVENUE BISMARCK, ND 58505 CONTACT: MARY SOUCIE PHONE: (701) 328- 4654



1 Ground Floor Code Plan
Scale: 1/8" = 1'-0"

ROOM LEGEND

GROUND FLOOR	
001	STACKS
002	STORAGE
003	CIRCULATION
004	SUPPORT
005	OFFICE
006	STORAGE
007	OFFICE
008	OFFICE
009	OFFICE
010	OFFICE

CODE INFORMATION:

OCCUPANCY CLASSIFICATION:	
GROUND FLOOR:	A-3 (ASSEMBLY)
FIRST FLOOR:	B (BUSINESS)
TYPE OF CONSTRUCTION:	
TYPE II-B	
OCCUPANCY LOADS (PER 1004.5)	
GROUND FLOOR TOTAL:	45 OCCUPANTS
GROUND FLOOR RENOVATION:	37 OCCUPANTS
FIRST FLOOR TOTAL:	
28 OCCUPANTS	
FIRST FLOOR RENOVATION:	
22 OCCUPANTS	
TOTAL FLOOR AREA - GROUND FLOOR:	
7,783 SF	
RENOVATION AREA - GROUND FLOOR:	
5,105 SF	
TOTAL FLOOR AREA - FIRST FLOOR:	
6,515 SF	
RENOVATION AREA - FIRST FLOOR:	
2,986 SF	

- NOTES:
- INFORMATION BASED ON 2024 EDITIONS OF THE INTERNATIONAL EXISTING BUILDING CODE (2024 IEBG) AND INTERNATIONAL BUILDING CODE (2024 IBC).
 - ALL CONSTRUCTION TO MEET ALL APPLICABLE CODES, INCLUDING 2024 IEBG AND IBC.
 - TYPE OF CONSTRUCTION IS ASSUMED BASE ON CASUAL OBSERVATION, EXISTING DRAWINGS AND PROPOSED CONSTRUCTION.
 - THE PROPOSED SCOPE OF WORK FOR THE RENOVATION OF THE CIRCULATION AND SUPPORT AREA COMPLIES WITH ALTERATIONS - SECTION 603 - LEVEL 2. THE WORK AREA IS LESS THAN 50% OF THE FLOOR AREA (570/7,783 = 7%). THE WORK SHALL COMPLY WITH LEVEL 1 AND LEVEL 2 REQUIREMENTS.
 - THE PROPOSED SCOPE OF WORK FOR THE CARPET REPLACEMENT (ALT. BID #1) ON THE GROUND AND FIRST FLOORS COMPLIES WITH ALTERATIONS - SECTION 602 - LEVEL 1. THE WORK CONSISTS OF THE REMOVAL AND REPLACEMENT OF MATERIALS USING NEW MATERIALS THAT SERVE THE SAME PURPOSE. THE WORK SHALL COMPLY WITH LEVEL 1 REQUIREMENTS.
 - PER TABLE 1004.5 (2021 IBC), MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT ARE DEFINED AS FOLLOWS:
A. BUSINESS AREA OF 150 GROSS
B. LIBRARY STACK AREA OF 100 GROSS
C. STORAGE AREA OF 300 GROSS
 - PER IBC 803.2.2, AN AUTOMATIC FIRE SUPPRESSION SYSTEM SHALL ONLY BE REQUIRED IF THE LEVEL 2 WORK AREA EXCEEDS 50 PERCENT OF THE FLOOR AREA OR THE OCCUPANT LOAD OF THE WORK AREA IS GREATER THAN 30. NEITHER OF THESE APPLY, THEREFORE A FIRE SUPPRESSION SYSTEM IS NOT REQUIRED.
 - PER IBC TABLE 1017.2, EXIT TRAVEL DISTANCE SHALL BE LESS THAN 200 FT IN AN A-3 OR B OCCUPANCY, WITHOUT A SPRINKLER SYSTEM.
 - PER IBC 1009.1, PLUMBING FIXTURES SHALL BE PROVIDED IN QUANTITIES AS SPECIFIED IN THE INTERNATIONAL PLUMBING CODE IF THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT. THE OCCUPANT LOAD OF THE STORY IS NOT INCREASED BY MORE THAN 20 PERCENT, THEREFORE, THE EXISTING RESTROOMS SHALL REMAIN AS IS ON THE FLOOR.

CODE LEGEND:

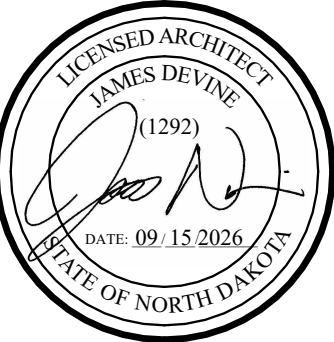
63	OCCUPANT NUMBER FOR EACH EXIT AND EXIT TRAVEL
D = 150' < R = 200'	D IS ACTUAL TRAVEL DISTANCE: M IS MAXIMUM ALLOWABLE TRAVEL DISTANCE

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026

J2 Project No. J22525



State of North Dakota ND State Library Renovation Bismarck, ND

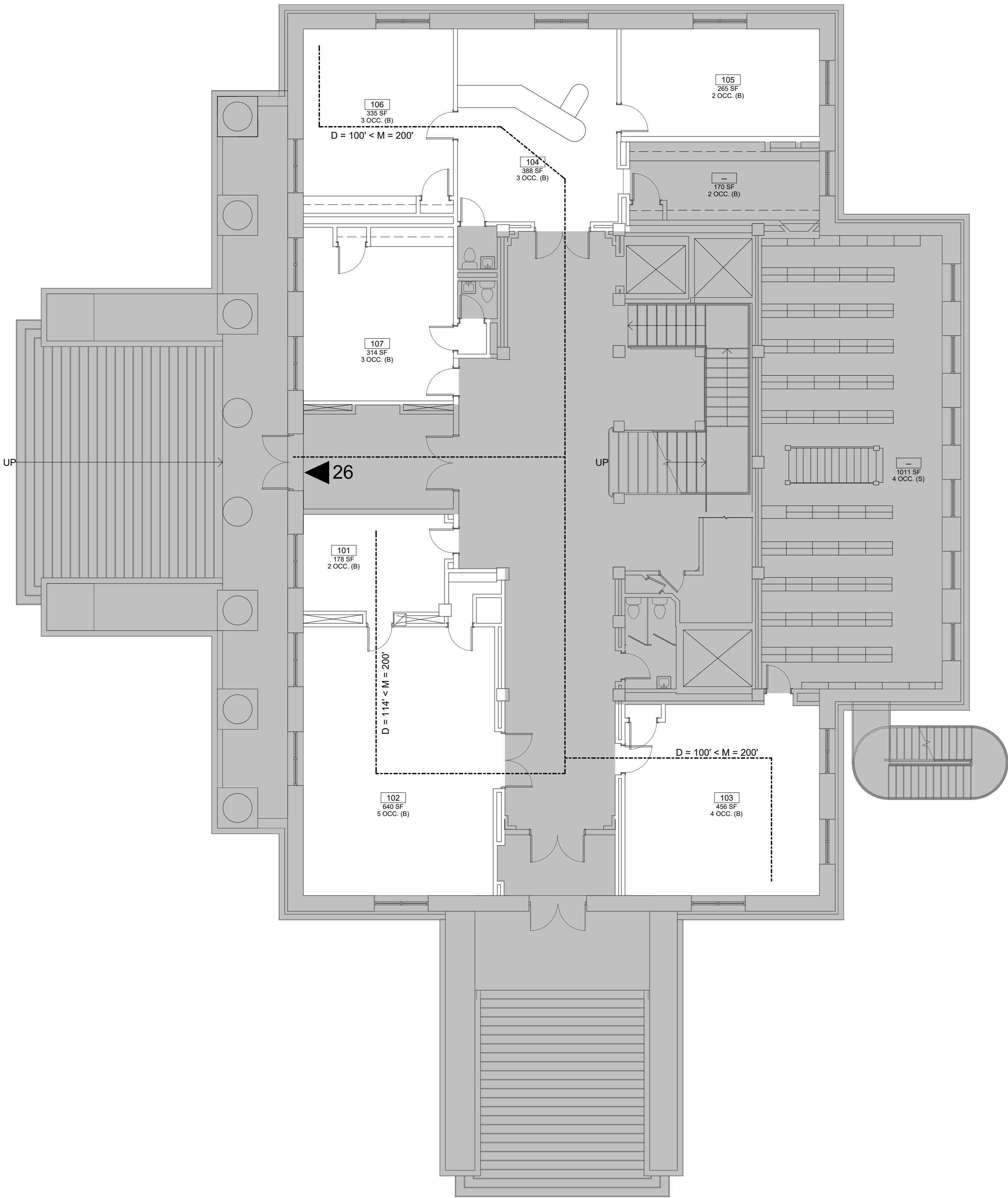


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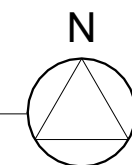
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Ground Floor Code Plan

B101



1 First Floor Code Plan
Scale: 1/8" = 1'-0"



ROOM LEGEND

FIRST FLOOR	
101	OFFICE
102	OFFICE
102A	CLOSET
103	OFFICE
103A	CLOSET
104	OFFICE
105	OFFICE
106	OFFICE
106A	CLOSET
107	OFFICE
107A	CLOSET
107B	HALL

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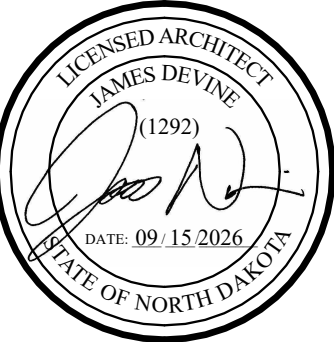
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J2 Project No. J22525



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ND State Library Renovation
Bismarck, ND

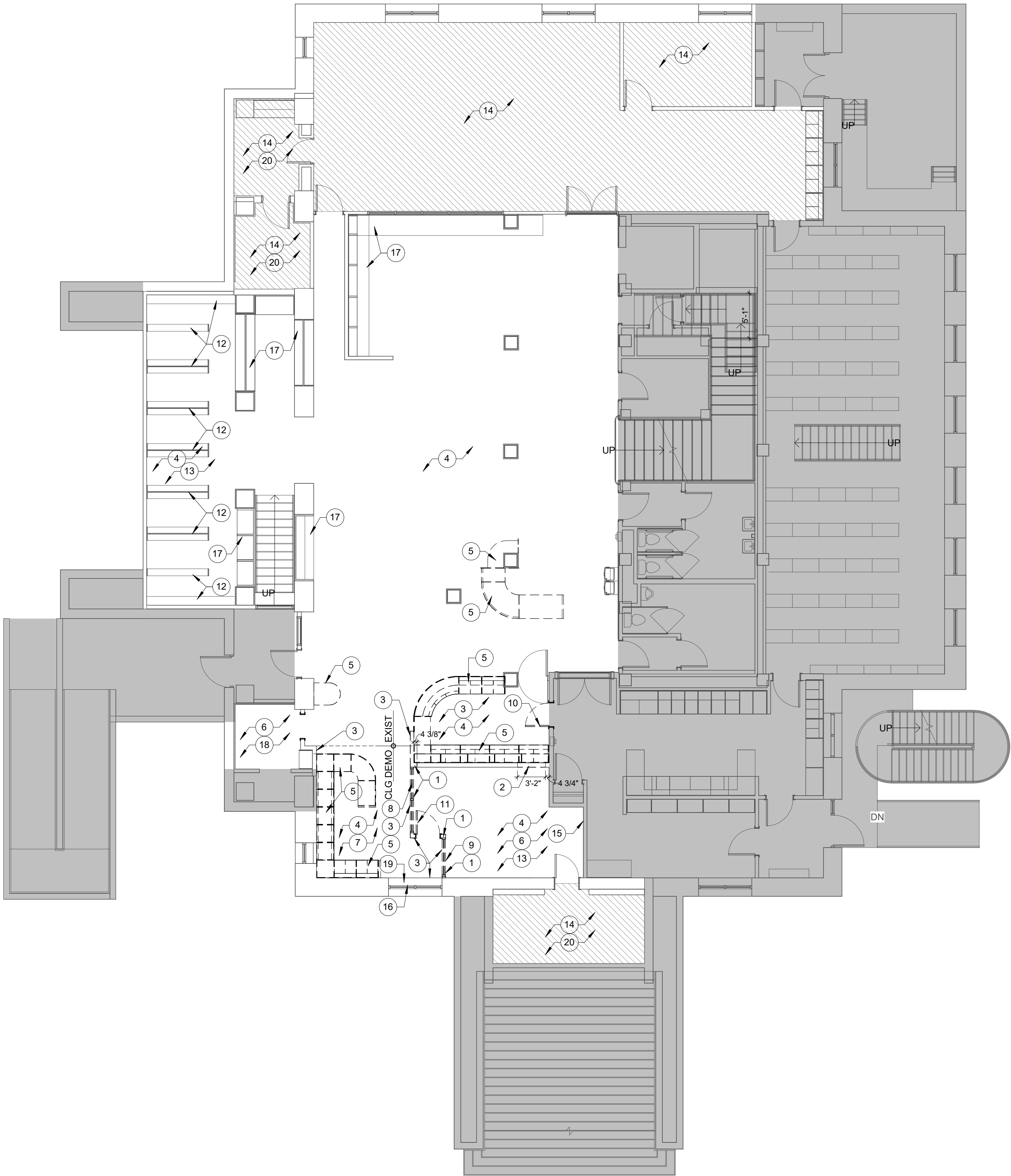


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First Floor
Code Plan

B102



1 Ground Floor Demolition Plan
Scale: 1/8" = 1'-0"

ALTERNATE BID NOTE

REFER TO HATCHED AREAS ON GROUND FLOOR AND FIRST FLOOR PLANS FOR LOCATIONS:

BASE BID: NO WORK IN THESE ROOMS

ALTERNATE BID 1: AREAS SHOWN IN HATCHED REGION SHALL HAVE CARPET REPLACEMENT AS PART OF ALTERNATE BID 1. EXISTING BASE AND ALL OTHER FINISHES SHALL REMAIN IN PLACE AND BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

PREP FOR NEW FINISH CLARIFICATION

BASE: AT EXISTING WALLS, REMOVE EXISTING GLUE AND SKIM COAT TO A SMOOTH SURFACE. PRIME AS REQUIRED PRIOR TO INSTALLATION OF NEW BASE MATERIAL.

WALLS: AT EXISTING WALLS, SAND, SCRAPE AND/OR FILL ANY AND ALL IMPERFECTIONS, INCLUDING MINOR CRACKS AND BLEMISHES, IN EXISTING WALLS. FILL ALL HOLES FROM REMOVAL OF EXISTING WALL HANGINGS, AS WELL AS ANY NEW HOLES. TEXTURE, PAINT AND PRIME PER FINISH PLAN.

FLOORS: UPON REMOVAL OF EXISTING FLOOR MATERIAL, REMOVE ALL EXISTING GLUE. FILL AND FLOAT EXISTING SLAB TO FLAT, SMOOTH SURFACE PRIOR TO INSTALLATION OF NEW FLOOR MATERIALS.

G.C. IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO BID.

GENERAL DEMOLITION NOTES:

1. GENERAL CONTRACTOR TO FIELD VERIFY ALL CONDITIONS PRIOR TO DEMOLITION. GENERAL CONTRACTORS SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. COORDINATE WITH THE OWNER AND PRE-APPROVE DISRUPTION SERVICES. VERIFY LOCATION OF EACH SERVICE WITHIN THE EXISTING BUILDING SO AS TO MINIMIZE THE DISRUPTION OF SERVICE.
3. G.C. TO CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING TO ISOLATE DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
4. G.C. TO MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT THE EXTERIOR OF THE EXISTING BUILDING THROUGHOUT THE DEMOLITION AND CONSTRUCTION PORTIONS OF THE PROJECT.
5. REMOVE IN THEIR ENTIRETY, ALL MATERIALS REQUIRED TO EXECUTE DEMOLITION AND CONSTRUCTION OF THE PROJECT.
6. REMOVE ALL DEMOLITION MATERIALS FROM THE SITE, UNLESS NOTED OTHERWISE. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY MATERIALS.
7. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION RELATED ACTIVITIES PERFORMED UNDER THIS CONTRACT.
8. REPAIR OR REPLACE ANY WALLS, FLOORS, OR EQUIPMENT DAMAGED FROM DEMOLITION OR CONSTRUCTION ACTIVITIES. MATCH EXISTING FINISH OR CONDITION.
9. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION, AND DATA CABLES SO AS NOT TO INADVERTENTLY INTERRUPT THE CONTINUITY OF THEIR SERVICE.
10. PATCH ALL FLOOR AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, ETC. AS REQUIRED TO MAINTAIN FIRE SEPARATIONS, PATCH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
11. CAP ALL DISCONNECTED MECHANICAL PIPING AND ELECTRICAL CONDUIT WITHIN THE WALLS, FLOOR AND/OR CEILING AREAS. PATCH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACE.
12. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
13. WHERE REMOVAL OF AN ITEM OR EQUIPMENT WOULD INTERRUPT ELECTRICAL OR PLUMBING SERVICE TO OTHER REMAINING EQUIPMENT, THE CONTRACTOR SHALL EXTEND SUCH SERVICE TO THE REMAINING DEVICES AND EQUIPMENT TO MAINTAIN THEIR OPERATION.
14. G.C. TO PATCH ALL FIREPROOFING DISTURBED WITH DEMOLITION AND CONSTRUCTION ACTIVITIES.

SPECIFIC DEMOLITION NOTES:

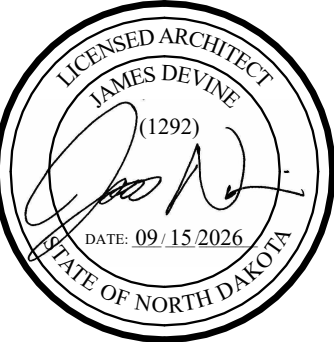
- 1 REMOVE EXISTING INTERIOR STUD FRAME WALL TO EXTENTS SHOWN.
- 2 REMOVE EXISTING INTERIOR STUD FRAMED WALL TO EXTENTS SHOWN AS REQUIRED FOR NEW OPENING. VERIFY DIMENSION REQUIRED FOR ROUGH OPENING PRIOR TO DEMOLITION. SIZE SHOWN IS FOR LAYOUT PURPOSES ONLY.
- 3 REMOVE EXISTING WOOD BASE & PREP WALLS FOR NEW FINISHES; RETAIN BASE FOR REINSTALLATION.
- 4 REMOVE EXISTING BROADLOOM CARPET & PREP FLOOR FOR NEW FINISH.
- 5 REMOVE EXISTING CASEWORK IN ITS ENTIRETY.
- 6 REMOVE EXISTING ACOUSTICAL TILE CEILING SYSTEM AND GRID IN ITS ENTIRETY.
- 7 REMOVE EXISTING WOOD PLANK CEILING SYSTEM TO EXTENTS SHOWN.
- 8 REMOVE EXISTING WINDOW GLAZING AND CASING AND RETAIN FOR REINSTALLATION.
- 9 REMOVE EXISTING WOOD WINDOW AND GLAZING IN ITS ENTIRETY AND RETURN TO OWNER.
- 10 REMOVE EXISTING DOOR AND HARDWARE IN ITS ENTIRETY AND RETAIN FOR REINSTALLATION AT DOOR 002A; EXISTING WOOD CASING TO REMAIN IN PLACE; FILL HOLES IN EXISTING CASING FROM REMOVAL OF HARDWARE.
- 11 REMOVE EXISTING DOOR, FRAME AND HARDWARE AND RETAIN FOR REINSTALLATION AT DOOR 004A.
- 12 ADJUST EXISTING SHELVING UNIT AS REQUIRED FOR INSTALLATION OF NEW CARPET. EXISTING SHELVES SHALL BE MOVED TO THE TOP OF THE UNIT AND FREESTANDING END SHALL BE REMOVED AND REINSTALLED AS REQUIRED.
- 13 REMOVE EXISTING VINYL BASE & PREP WALLS FOR NEW FINISHES.
- 14 BASE BID: EXISTING BROADLOOM CARPET AND BASE TO REMAIN IN PLACE. ALT. BID #1; REMOVE EXISTING BROADLOOM CARPET IN THIS ROOM IN ITS ENTIRETY; PREP FOR NEW FINISHES. EXISTING WOOD BASE TO REMAIN IN PLACE (WHERE OCCURS).
- 15 REMOVE EXISTING PROJECTION SCREEN IN ITS ENTIRETY AND RETURN TO OWNER.
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- 17 EXISTING LIBRARY STACKS AND/OR BUILT-INS SHALL REMAIN IN PLACE. PROTECT FROM CONSTRUCTION ACTIVITIES.
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- 20 BASE BID: VINYL BASE TO REMAIN IN PLACE; ALT. BID #1; REMOVE EXISTING VINYL BASE IN ITS ENTIRETY AND PREP FOR NEW FINISHES.

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026

J2 Project No. J22525



State of North Dakota
ND State Library Renovation
Bismarck, ND

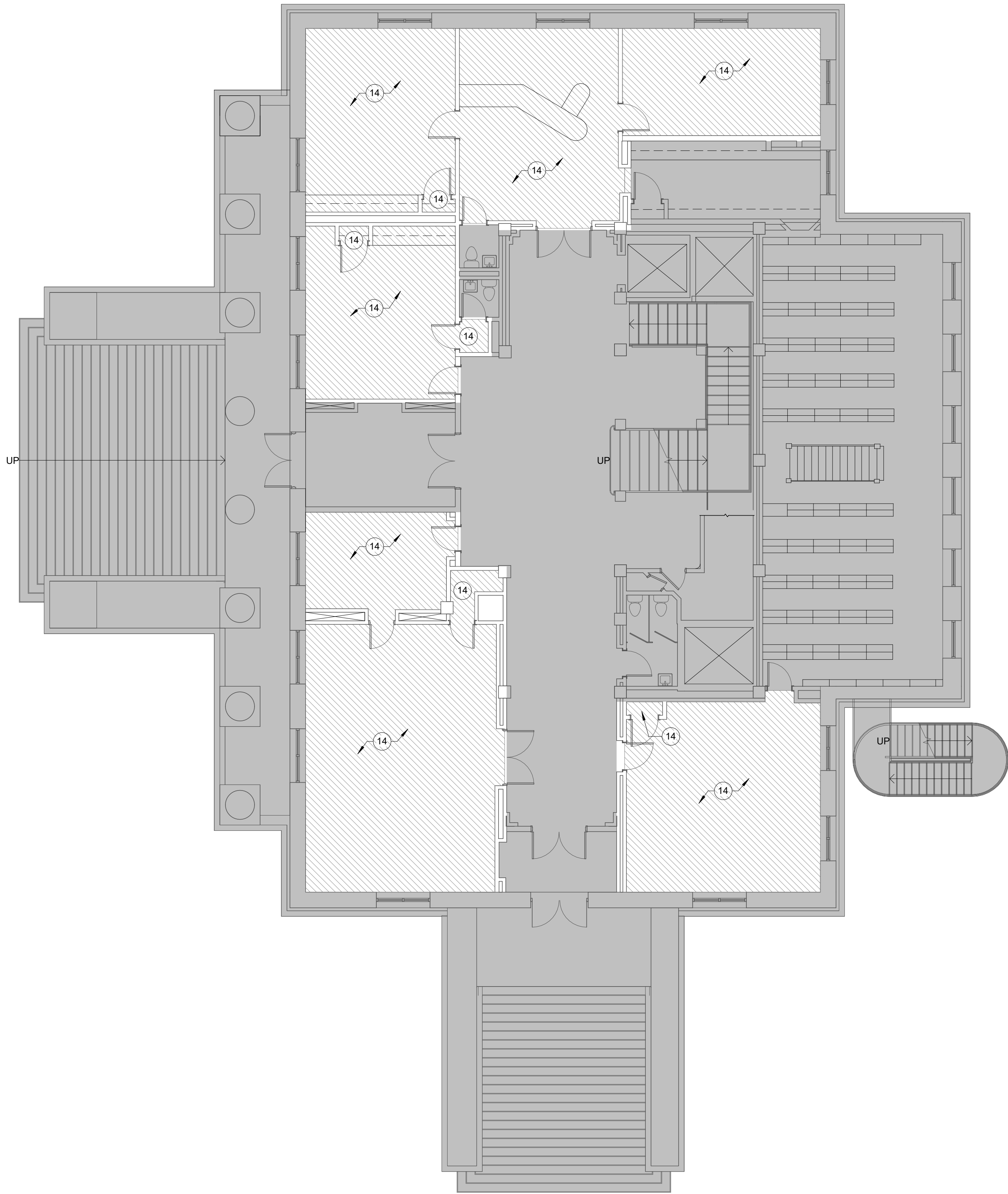


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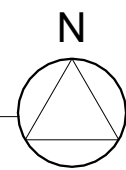
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Ground Floor
Demolition
Plan

A001



1 First Floor Demolition Plan (Alt. Bid 1)
Scale: 1/8" = 1'-0"



ROOM LEGEND

FIRST FLOOR	
101	OFFICE
102	OFFICE
102A	CLOSET
103	OFFICE
103A	CLOSET
104	OFFICE
105	OFFICE
106	OFFICE
106A	CLOSET
107	OFFICE
107A	CLOSET
107B	HALL

PREP FOR NEW FINISH
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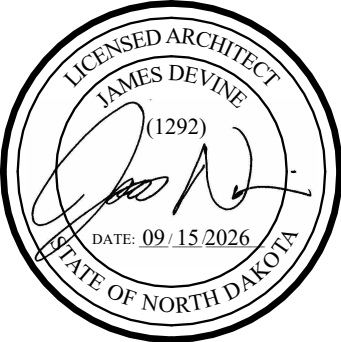
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MARK	DATE	DESCRIPTION

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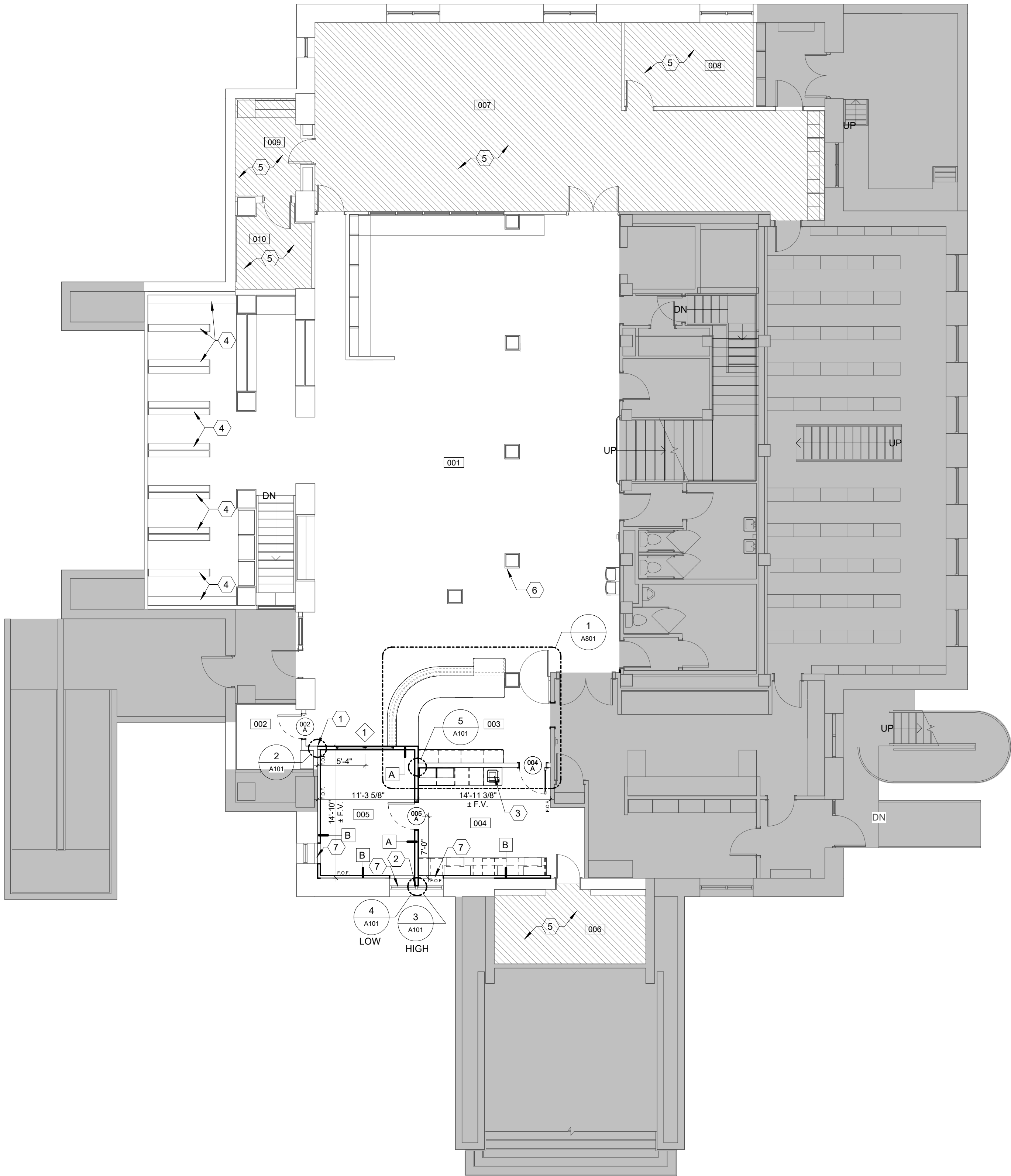
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First Floor
Demolition
Plan

A002



1 Ground Floor Renovation Plan
Scale: 1/8" = 1'-0"

ALTERNATE BID NOTE

REFER TO HATCHED AREAS ON GROUND FLOOR AND FIRST FLOOR PLANS FOR LOCATIONS:

BASE BID: NO WORK IN THESE ROOMS

ALTERNATE BID 1: AREAS SHOWN IN HATCHED REGION SHALL HAVE CARPET REPLACEMENT AS PART OF ALTERNATE BID 1. EXISTING BASE AND ALL OTHER FINISHES SHALL REMAIN IN PLACE AND BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

ROOM LEGEND

GROUND FLOOR	
001	STACKS
002	STORAGE
003	CIRCULATION
004	SUPPORT
005	OFFICE
006	STORAGE
007	OFFICE
008	OFFICE
009	OFFICE
010	OFFICE

LEGEND:

OFFICE		ROOM NAMES
101		ROOM NAME
		ROOM NUMBER
		DOORS
101	A	DOOR NUMBER
		DOOR LETTER
		REFER TO SHEET A601 FOR SCHEDULE
		WINDOWS
1		WINDOW TYPE
		REFER TO SHEET A601 FOR SCHEDULE
		WALL TYPES
A	1	WALL TYPE
		WALL TYPE NOTE
		DETAIL MARK
1	A601	DETAIL NUMBER
		SHEET NUMBER
		INTERIOR ELEVATION
1	A701	ELEVATION NUMBER
		SHEET NUMBER
		EQUIPMENT
T1		EQUIPMENT NUMBER
		DEMOLITION KEYNOTE
1		ITEM NUMBER - REFER TO SPECIFIC DEMOLITION NOTES
		PLAN KEYNOTE
1		ITEM NUMBER - REFER TO SPECIFIC NOTES
± F.V.		FIELD VERIFY
F.O.F.		FACE OF EXISTING FINISH

GENERAL PLAN NOTES:

- GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER.
- GENERAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK.
- GENERAL CONTRACTOR TO COORDINATE OWNER PROVIDED EQUIPMENT INSTALLATION.
- ALL WORK SHALL MEET ALL APPLICABLE BUILDING CODES AND REQUIREMENTS.

SPECIFIC PLAN NOTES:

- ALIGN FINISH OF NEW WALL WITH FINISH OF EXISTING WALL.
- ALIGN FINISH OF NEW WALL WITH CENTER MULLION OF WINDOW.
- GUTENBERG SYSTEM BY OWNER.
- REMOVE EXISTING SHELVING UNIT AS REQUIRED FOR INSTALLATION OF NEW CARPET. EXISTING SHELVES SHALL BE MOVED TO THE TOP OF THE UNIT AND FREESTANDING END SHALL BE REMOVED AND REINSTALLED AS REQUIRED.
- BASE BID, EXISTING BROADLOOM CARPET AND BASE TO REMAIN IN PLACE. ALT. BID #1: REMOVE EXISTING BROADLOOM CARPET IN THIS ROOM IN ITS ENTIRETY; PREP FOR NEW FINISHES. EXISTING WOOD BASE TO REMAIN IN PLACE (WHERE OCCURS).
- PATCH AND REPAIR EXISTING WOOD AT COLUMN ENCLOSURE AS REQUIRED FOR REMOVAL OF EXISTING CIRCULATION DESK.
- REINSTALL EXISTING WOOD WINDOW SILL; MODIFY AS REQUIRED FOR INSTALLATION OF NEW WALL, AND PROVIDE EXTENSION JAMB AS REQUIRED FOR NEW SILL. SEE 10/A601.

WALL TYPE SCHEDULE

TYPE	STYLE	PLAN VIEW
A	5/8" TYPE 'X' GYPSUM BOARD 3 5/8" METAL STUDS AT 16" O.C. 3 1/2" ACOUSTIC INSULATION	
B	5/8" TYPE 'X' GYPSUM BOARD 2 1/2" METAL STUDS AT 16" O.C. 1/2" AIR SPACE EXISTING WALL CONSTRUCTION	

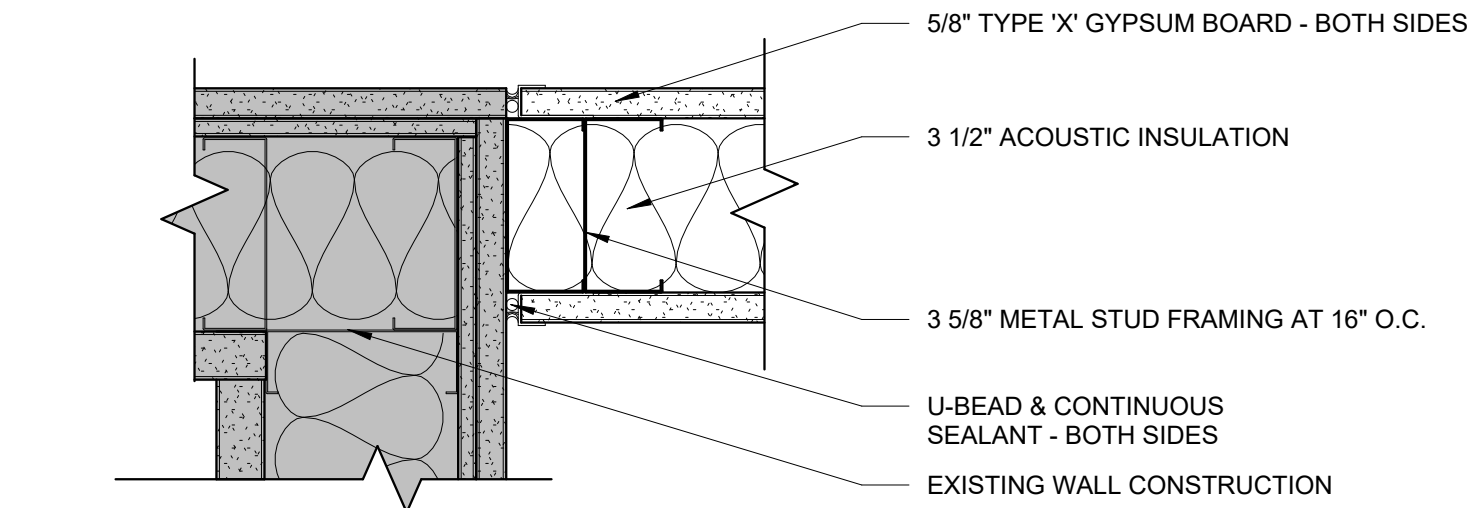
PREP FOR NEW FINISH CLARIFICATION

BASE: AT EXISTING WALLS, REMOVE EXISTING GLUE AND SKIM COAT TO A SMOOTH SURFACE. PRIME AS REQUIRED PRIOR TO INSTALLATION OF NEW BASE MATERIAL.

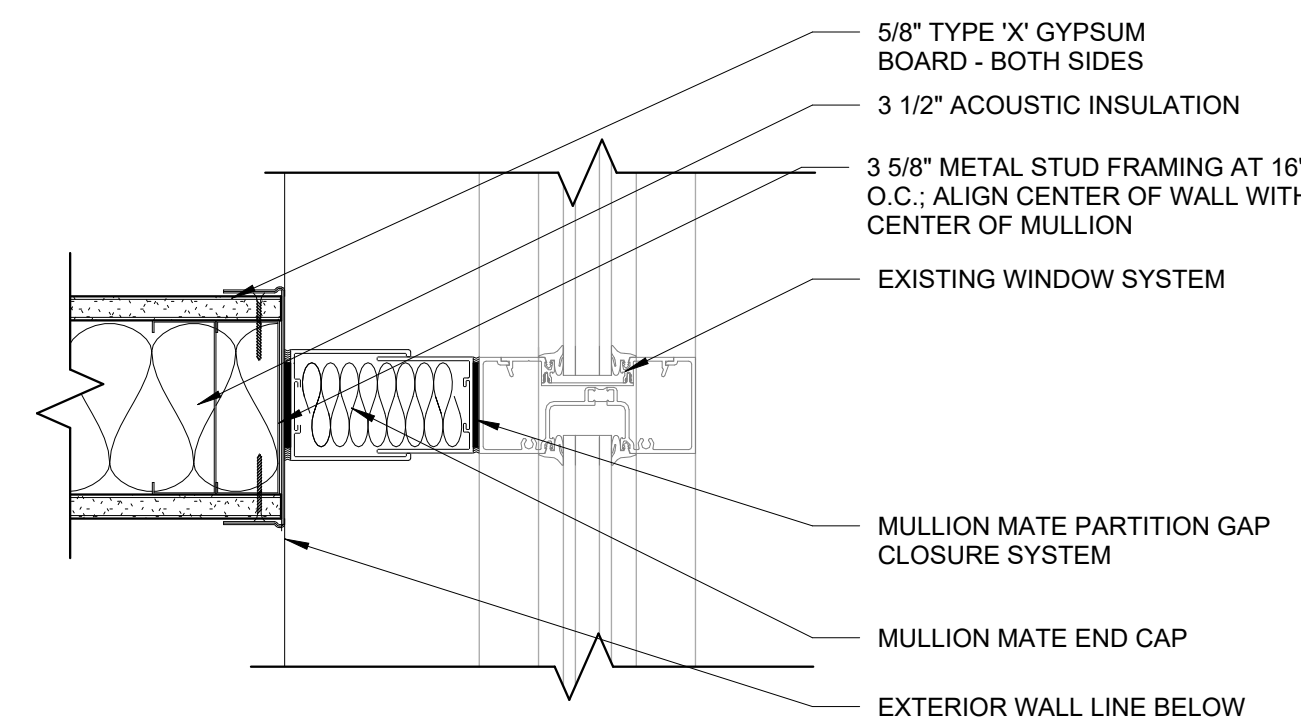
WALLS: AT EXISTING WALLS, SAND, SCRAPE AND/OR FILL ANY AND ALL IMPERFECTIONS, INCLUDING MINOR CRACKS AND BLEMISHES, IN EXISTING WALLS. FILL ALL HOLES FROM REMOVAL OF EXISTING WALL HANGINGS, AS WELL AS ANY NEW HOLES. TEXTURE, PAINT AND PRIME PER FINISH PLAN.

FLOORS: UPON REMOVAL OF EXISTING FLOOR MATERIAL, REMOVE ALL EXISTING GLUE. FILL AND FLOAT EXISTING SLAB TO FLAT, SMOOTH SURFACE PRIOR TO INSTALLATION OF NEW FLOOR MATERIALS.

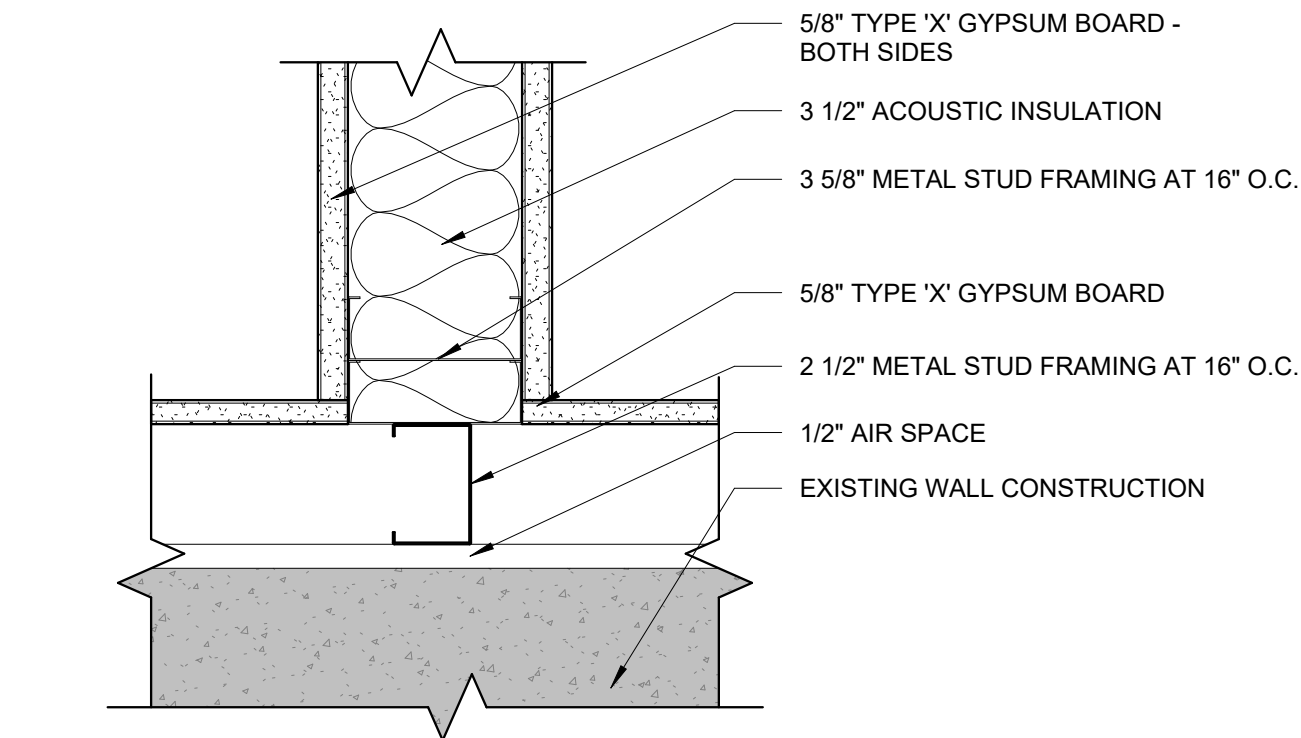
G.C. IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO BID.



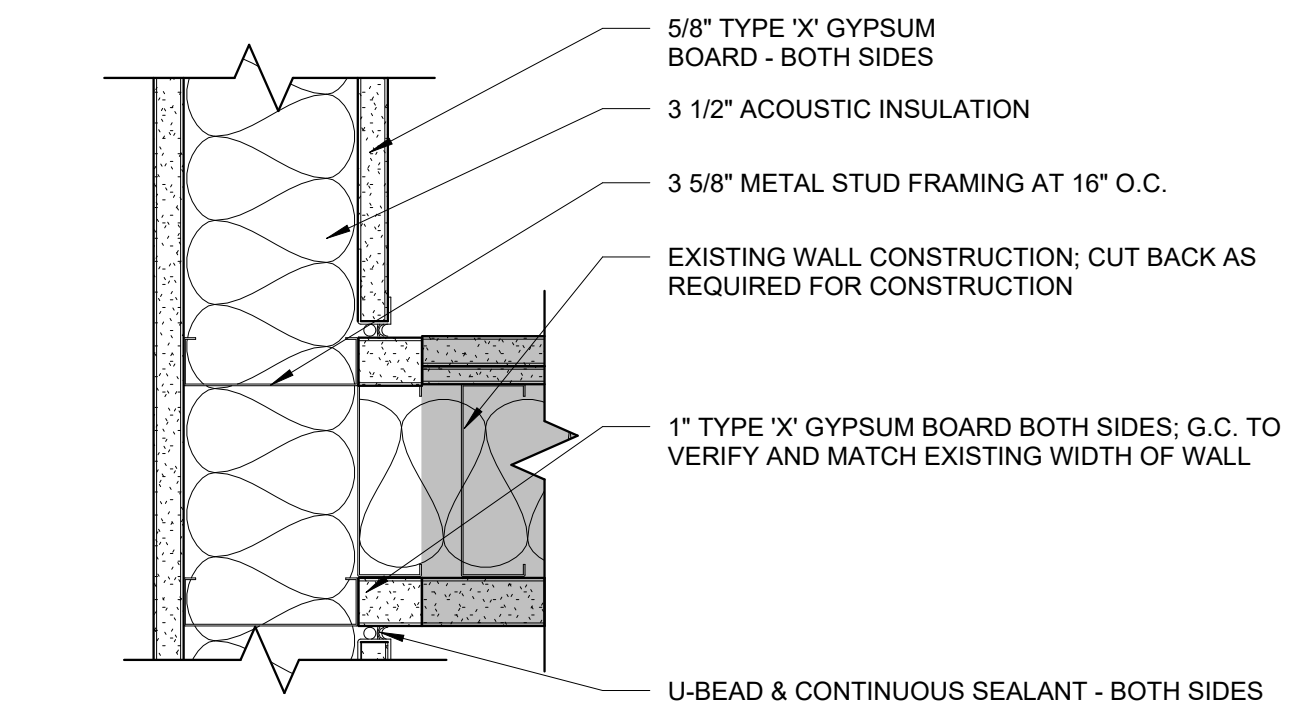
2 Plan Detail at Existing
Scale: 3" = 1'-0"



3 Plan Detail at Existing Window
Scale: 3" = 1'-0"



4 Plan Detail at Existing
Scale: 3" = 1'-0"



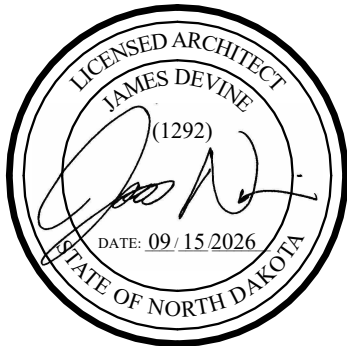
5 Plan Detail at Existing
Scale: 3" = 1'-0"

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026

J2 Project No. J22525



State of North Dakota ND State Library Renovation Bismarck, ND

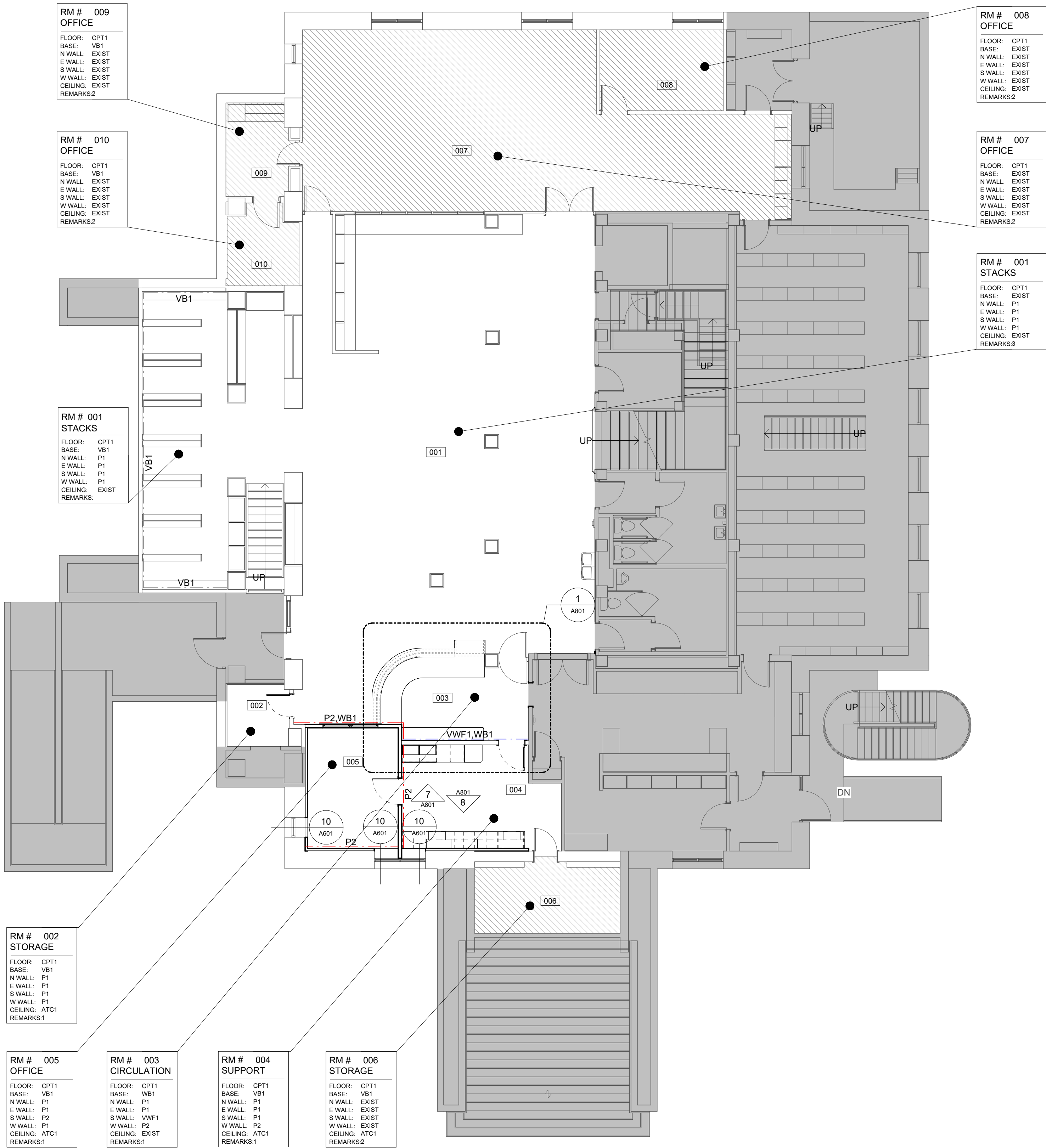


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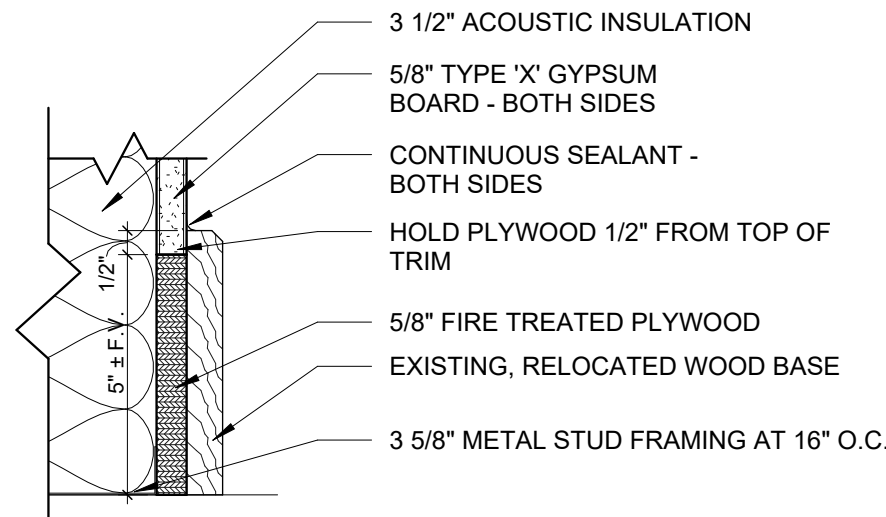
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Ground Floor Renovation Plan & Details

A101



1 Ground Floor Room Finish Plan
Scale: 1/8" = 1'-0"



2 Wood Base Detail
Scale: 3" = 1'-0"

ROOM LEGEND

GROUND FLOOR	
001	STACKS
002	STORAGE
003	CIRCULATION
004	SUPPORT
005	OFFICE
006	STORAGE
007	OFFICE
008	OFFICE
009	OFFICE
010	OFFICE

ALTERNATE BID NOTE

REFER TO HATCHED AREAS ON GROUND FLOOR AND FIRST FLOOR PLANS FOR LOCATIONS:

BASE BID: NO WORK IN THESE ROOMS

ALTERNATE BID 1: AREAS SHOWN IN HATCHED REGION SHALL HAVE CARPET REPLACEMENT AS PART OF ALTERNATE BID 1. EXISTING BASE AND ALL OTHER FINISHES SHALL REMAIN IN PLACE AND BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

ROOM FINISH LEGEND:

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING FINISH	REMARKS
RM # 101	ROOM	FLOOR	BASE	N WALL	E WALL	S WALL	W WALL	CEILING	REMARKS

ROOM FINISHES:

FLOOR FINISHES

CPT1 - CARPET TILE - MANNINGTON; STYLE - GANSEY; COLOR - GAUGE #83728; SIZE - 12X36; INSTALLATION METHOD - MATCH OTHER AREAS OF STATE LIBRARY BUILDING

BASE FINISHES

VB1 - VINYL BASE - TARKETT; COLOR - BURNT UMBER #63 - 4" COVED

WB1 - WOOD BASE - EXISTING, RELOCATED

WALL/CEILING FINISHES

P1 - PAINT - SHERWIN WILLIAMS; COLOR - AESTHETIC WHITE #7039; EGGSHELL FINISH (WALL COLOR)
P2 - PAINT - SHERWIN WILLIAMS; COLOR - VIRTUAL TAUPE #7039; EGGSHELL FINISH (ACCENT COLOR)

VWF1 - VINYL WALL FABRIC - KOROSEAL; STYLE - FLEXIWEAVE; COLOR - APPRAISE #FXW1-10

MISC. FINISHES

LAMINATE: REFER TO CASEWORK & INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS

PL1 - FORMICA; COLOR - EARTHEN TWILL #8828-58 (CABINETRY)
PL2 - FORMICA; COLOR - GRAPHITE TWILL #8829-58 (CABINETRY)
PL3 - FORMICA; COLOR - GRAPHITE #837-58 (CABINETRY)

PVC EDGEBANDING: REFER TO CASEWORK & INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS

PVC1 - DOELLKEN; COLOR - TO MATCH 'PL1'
PVC2 - DOELLKEN; COLOR - TO MATCH 'PL2'
PVC3 - DOELLKEN; COLOR - TO MATCH 'PL3'

SOLID SURFACE: REFER TO CASEWORK & INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS

SS1 - FORMICA; COLOR - WHITE RENEW (COUNTERTOPS)
SS2 - FORMICA; COLOR - EXCAVAGE (ACCENT COUNTERTOP)

FLOOR TRANSITION:
FT1 - FLOOR TRANSITION - JOHNSONITE ADAPTOR CTA-63-X; COLOR - BURNT UMBER #63

DOOR/DRAWER PULLS:
PULL: BRUSHED CHROME FINISH

ACOUSTICAL CEILINGS: REFER TO SHEET A901

FINISH NOTES:

- FACTORY FINISHED DOOR SLAB; REFER TO SPECIFICATIONS.
- CARPET REPLACEMENT ONLY IN THIS ROOM; BASE BID. EXISTING BROADLOOM CARPET AND WOOD BASE TO REMAIN IN PLACE. ALT. BID #1; REMOVE EXISTING BROADLOOM CARPET IN THIS ROOM IN ITS ENTIRETY; PREP FOR NEW FINISHES. EXISTING WOOD BASE TO REMAIN IN PLACE.
- CARPET TO EXISTING VCT TRANSITION TO BE 'FT1'.

GENERAL NOTES:

- REFER TO CASEWORK ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION.
- ALL FLOORING TRANSITIONS AND PATTERNS TO OCCUR DIRECTLY BELOW DOOR UNLESS NOTED OTHERWISE.
- LEVEL FLOOR WITH LEVELING COMPOUND AS NECESSARY PRIOR TO INSTALLATION OF ALL FLOORING.
- CAULK ALL VERTICAL EDGES OF CASEWORK AT WALL INTERSECTIONS; COLOR MATCH SEALANT TO WALL COLOR.
- CAULK ALL VANITY PANELS AND SKIRT PANELS OF CASEWORK AT VINYL FLOORING; COLOR MATCH SEALANT TO CASEWORK COLOR.
- CAULK TOP OF EXISTING, RELOCATED WOOD BASE TO WALL FINISH AT ALL LOCATION.

PREP FOR NEW FINISH CLARIFICATION

BASE: AT EXISTING WALLS. REMOVE EXISTING GLUE AND SKIM COAT TO A SMOOTH SURFACE. PRIME AS REQUIRED PRIOR TO INSTALLATION OF NEW BASE MATERIAL.

WALLS: AT EXISTING WALLS. SAND, SCRAPE AND/OR FILL ANY AND ALL IMPERFECTIONS, INCLUDING MINOR CRACKS AND BLEMISHES, IN EXISTING WALLS. FILL ALL HOLES FROM REMOVAL OF EXISTING WALL HANGINGS, AS WELL AS ANY NEW HOLES. TEXTURE, PAINT AND PRIME PER FINISH PLAN.

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G.C. IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS PRIOR TO BID.

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026

J2 Project No. J22525



State of North Dakota ND State Library Renovation Bismarck, ND

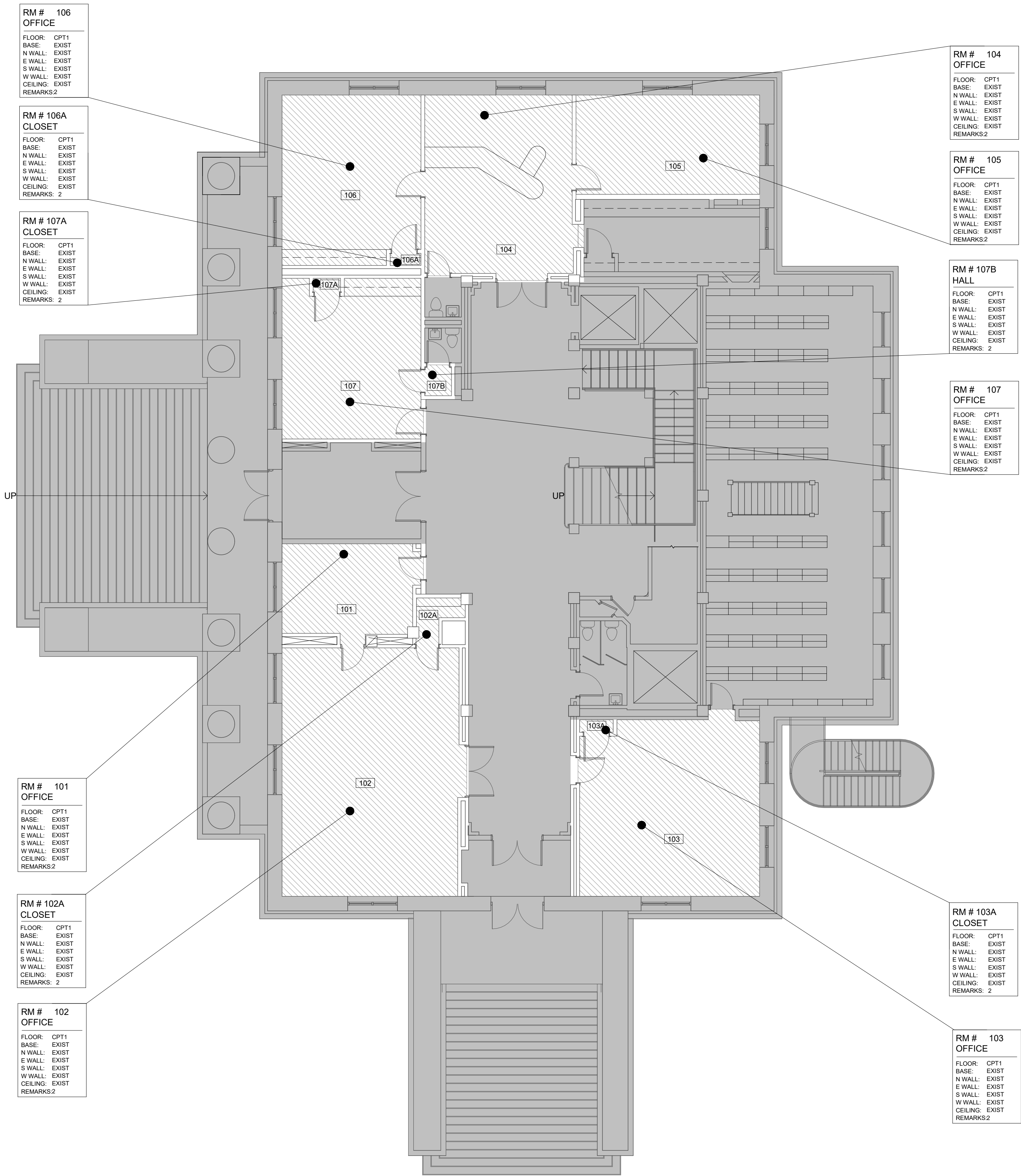


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Ground Floor Room Finish Plan

A501



1 First Floor Room Finish Plan (Alt. Bid 1)
Scale: 1/8" = 1'-0"

ROOM LEGEND

FIRST FLOOR	
101	OFFICE
102	OFFICE
102A	CLOSET
103	OFFICE
103A	CLOSET
104	OFFICE
105	OFFICE
106A	CLOSET
107	OFFICE
107A	CLOSET
107B	HALL

ROOM FINISH LEGEND:

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING FINISH	REMARKS
RM # 101	ROOM	FLOOR: -	BASE: -	E WALL: -	S WALL: -	W WALL: -	CEILING: -	REMARKS: -	

ROOM FINISHES:

FLOOR FINISHES

CPT1 - CARPET TILE - MANNINGTON; STYLE - GANSEY; COLOR - GAUGE #83728; SIZE - 12X36; INSTALLATION METHOD - MATCH OTHER AREAS OF STATE LIBRARY BUILDING

BASE FINISHES

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PVC EDGEBANDING: REFER TO CASEWORK & INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS

PVC1 - DOELLKEN; COLOR - TO MATCH 'PL1'
PVC2 - DOELLKEN; COLOR - TO MATCH 'PL2'
PVC3 - DOELLKEN; COLOR - TO MATCH 'PL3'

SOLID SURFACE: REFER TO CASEWORK & INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS

SS1 - FORMICA; COLOR - WHITE RENEW (COUNTERTOPS)
SS2 - FORMICA; COLOR - EXCAVAGE (ACCENT COUNTERTOP)

FLOOR TRANSITION:
FT1 - FLOOR TRANSITION - JOHNSONITE ADAPTOR CTA-63-X; COLOR - BURNT UMBER #63

DOOR/DRAWER PULLS:
PULL: BRUSHED CHROME FINISH

ACOUSTICAL CEILINGS: REFER TO SHEET A901

FINISH NOTES:

- FACTORY FINISHED DOOR SLAB: REFER TO SPECIFICATIONS.
- CARPET REPLACEMENT ONLY IN THIS ROOM: BASE BID: EXISTING BROADLOOM CARPET AND WOOD BASE TO REMAIN IN PLACE. ALT. BID #1; REMOVE EXISTING BROADLOOM CARPET IN THIS ROOM IN ITS ENTIRETY; PREP FOR NEW FINISHES. EXISTING WOOD BASE TO REMAIN IN PLACE.
- CARPET TO EXISTING VCT TRANSITION TO BE 'FT1'.

GENERAL NOTES:

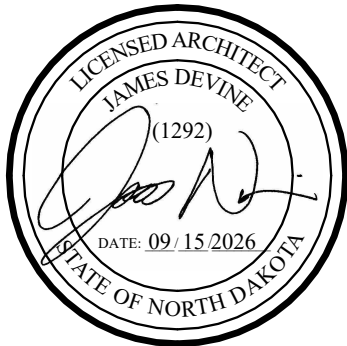
- REFER TO CASEWORK ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION.
- ALL FLOORING TRANSITIONS AND PATTERNS TO OCCUR DIRECTLY BELOW DOOR UNLESS NOTED OTHERWISE.
- LEVEL FLOOR WITH LEVELING COMPOUND AS NECESSARY PRIOR TO INSTALLATION OF ALL FLOORING.
- CAULK ALL VERTICAL EDGES OF CASEWORK AT WALL INTERSECTIONS; COLOR MATCH SEALANT TO WALL COLOR.
- CAULK ALL VANITY PANELS AND SKIRT PANELS OF CASEWORK AT VINYL FLOORING; COLOR MATCH SEALANT TO CASEWORK COLOR.
- CAULK TOP OF EXISTING, RELOCATED WOOD BASE TO WALL FINISH AT ALL LOCATION.

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026

J2 Project No. J22525



State of North Dakota
ND State Library Renovation
Bismarck, ND



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First Floor
Room Finish
Plan

A502

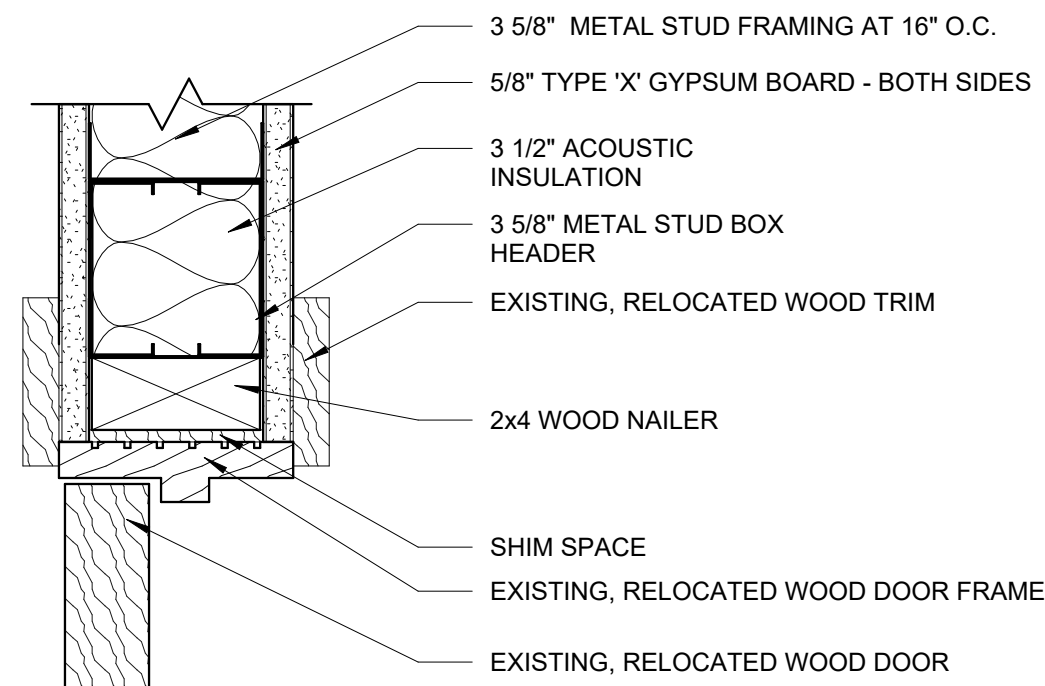
DOOR AND FRAME SCHEDULE																	
DOOR							GLAZING	FRAME					FIRE RATING LABEL	HARDWARE		NOTES	
DOOR #	DOOR	ROOM NAME	SIZE			MAT'L		EL	MAT'L	EL	DETAIL			SET NO	KEYSIDE RM NO		
			WD	HGT	THK						HEAD	JAMB					SILL
002	A	STORAGE	2'-8"	7'-0"	0'-1 3/4"	EXIST	--	--	--	--	5/A601	6/A601	--	2	001	1,2,3	
004	A	SUPPORT	3'-0"	7'-0"	0'-1 3/4"	EXIST	B	EXIST	EXIST	--	3/A601	4/A601	--	1	003	1,2	
005	A	OFFICE	3'-0"	7'-0"	0'-1 3/4"	WD	A	--	WD	--	1/A601	2/A601	--	2	004	1	

HARDWARE:

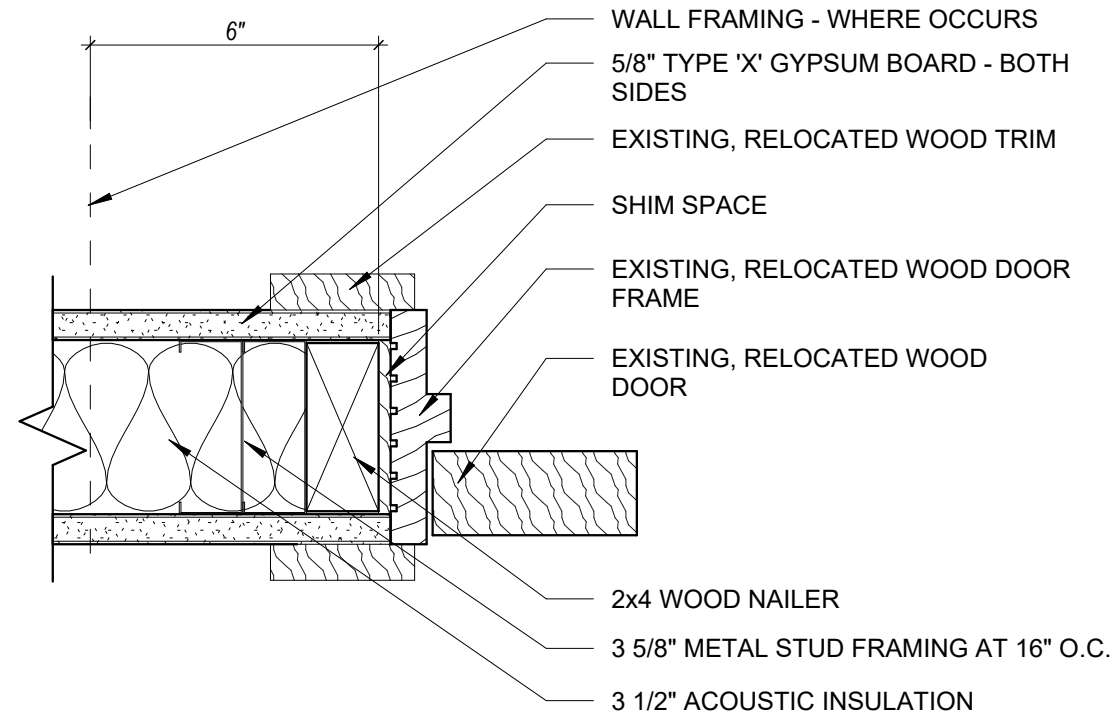
GROUP 1 (EXISTING RELOCATED DOOR AND HARDWARE)
ALL EXISTING HARDWARE TO BE REUSED, EXCEPT ADD:
STOP: WALL STOP; HAGER 236W; US10 FINISH

GROUP 2 (SINGLE DOOR, LOCKABLE)
HINGES: HAGER BB1199 4 1/2" X 4 1/2" - 1 1/2 PAIR (NRP); US10 FINISH
LOCKS: SARGENT 8200 MORTISE LOCK; OFFICE (F04) FUNCTION; F LEVER; US10 (612) FINISH; F1-83 KESO
CORE: COORDINATE WITH OWNER
STOP: OVERHEAD STOP & HOLD OPEN; GLYNN JOHNSON 454H; US10 FINISH

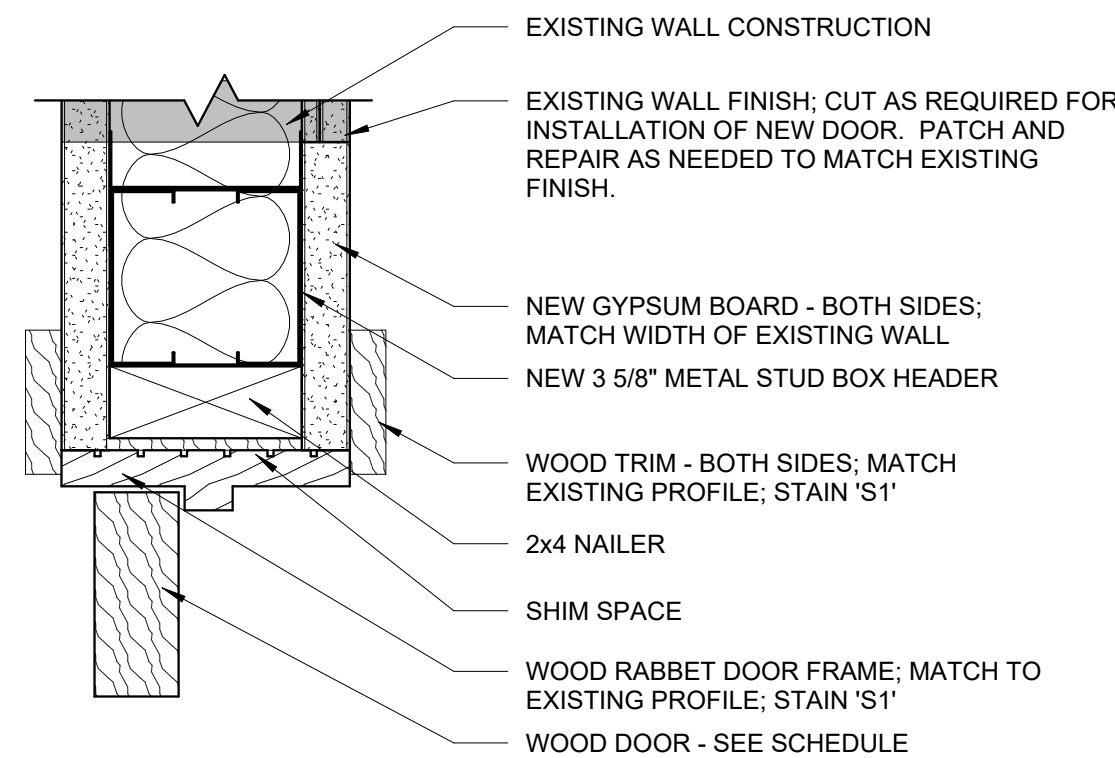
HARDWARE/DOOR SCHEDULE NOTES:
1. REFER TO SHEET A601 FOR DOOR AND FRAME FINISHES.
2. PATCH HOLES IN EXISTING DOOR CASING AS REQUIRED.
3. G.C. TO VERIFY EXISTING HINGE SIZE AND DIMENSIONS AT EXISTING FRAME.



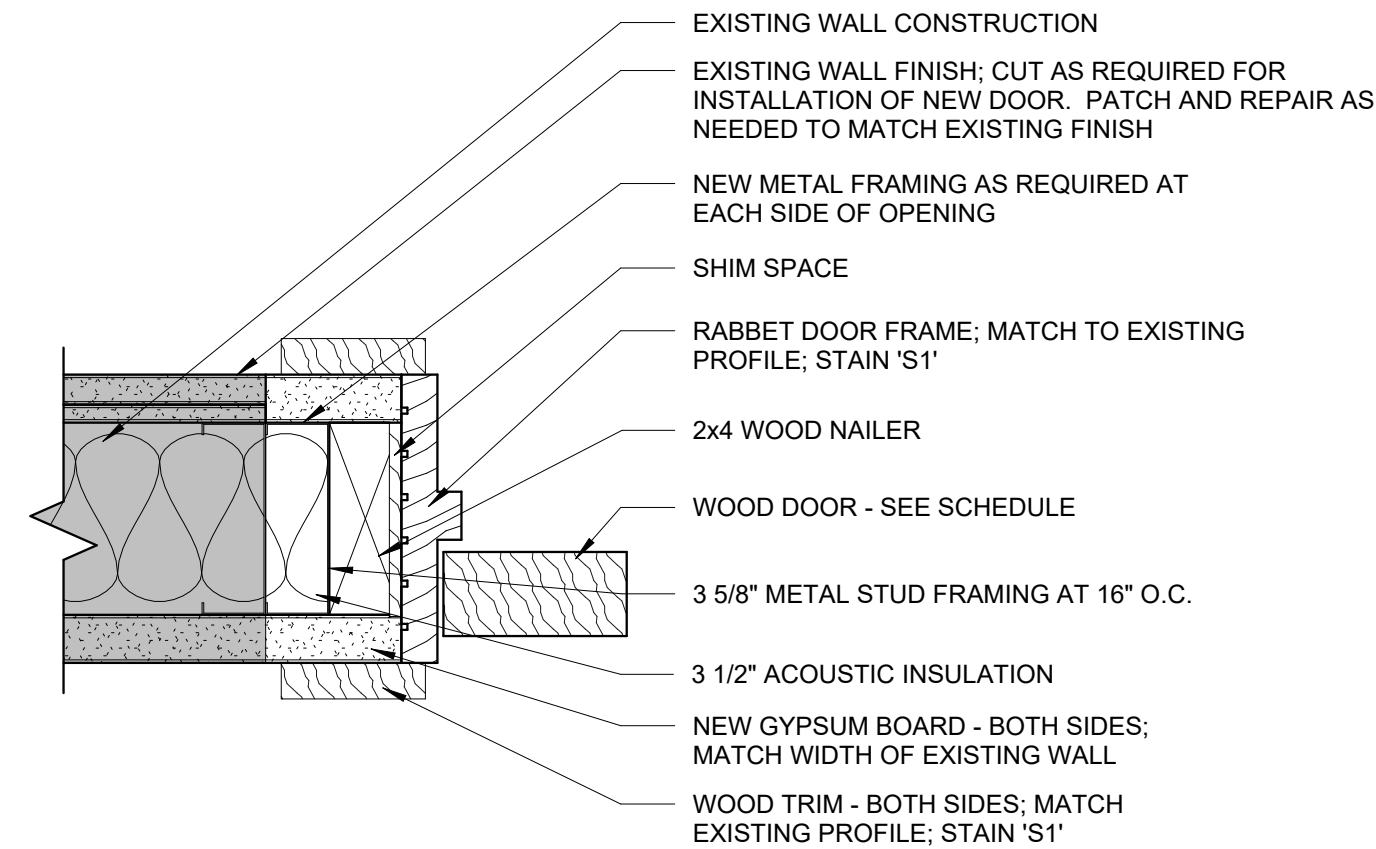
1 Wood Door Frame - Head
Scale: 3" = 1'-0"



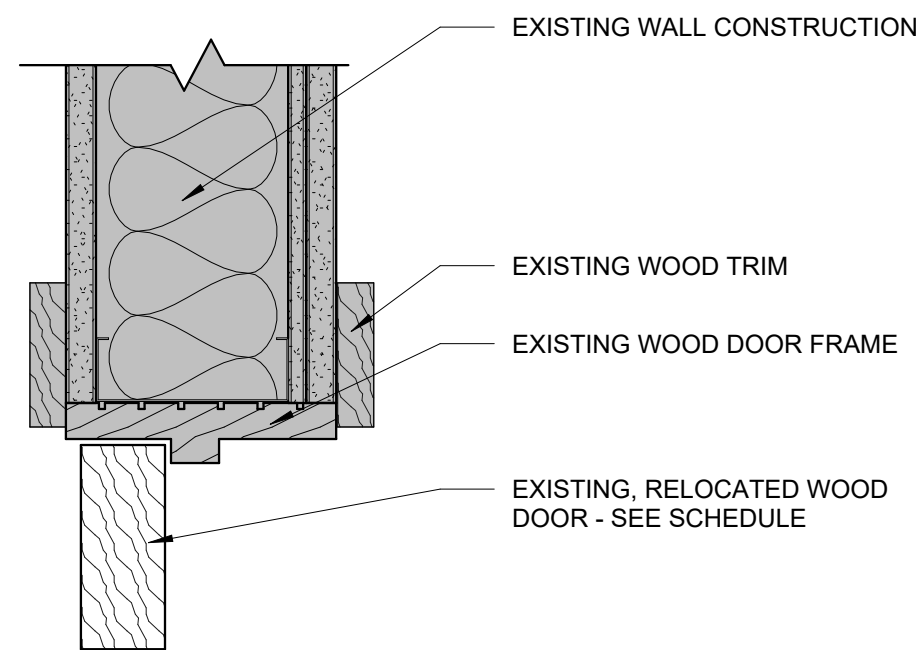
2 Wood Door Frame - Jamb
Scale: 3" = 1'-0"



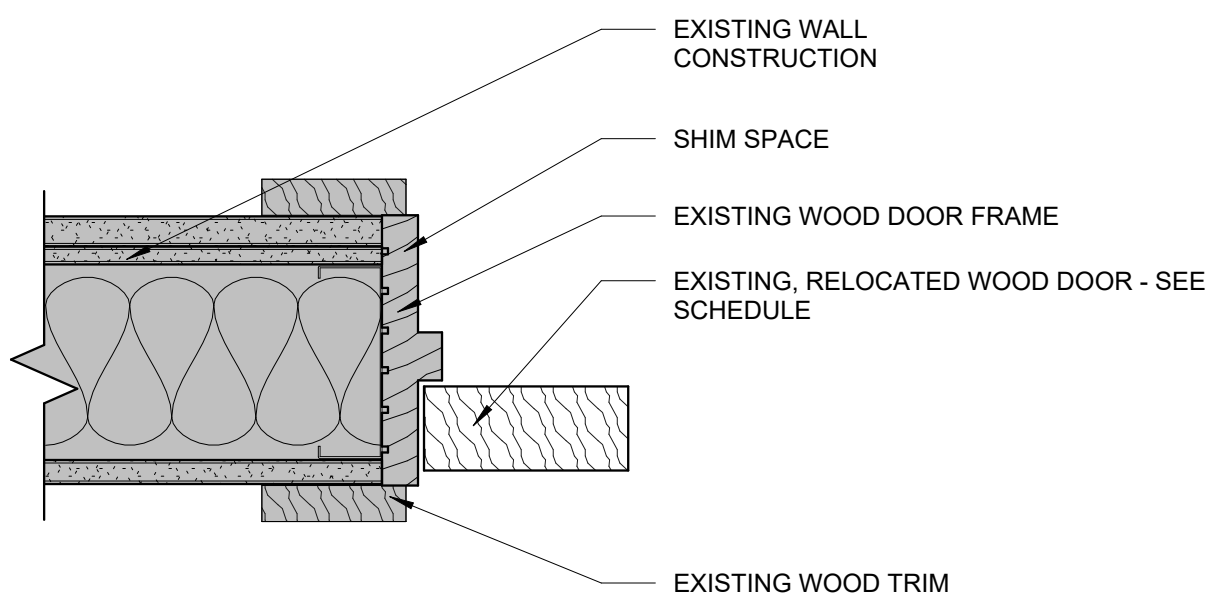
3 Wood Door Frame - Head
Scale: 3" = 1'-0"



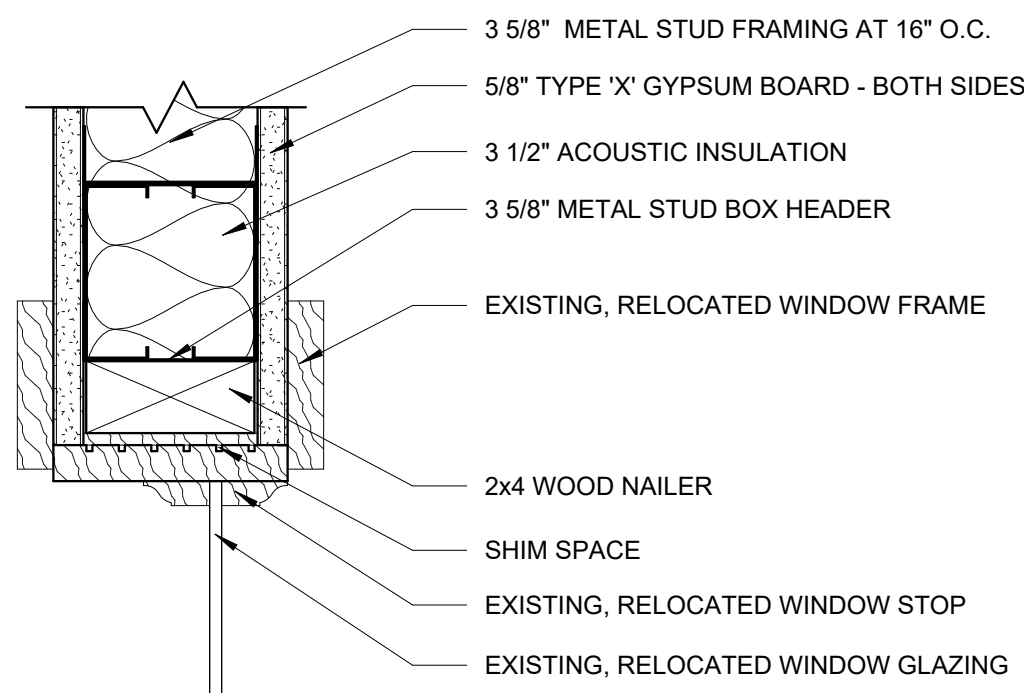
4 Wood Door Frame - Jamb
Scale: 3" = 1'-0"



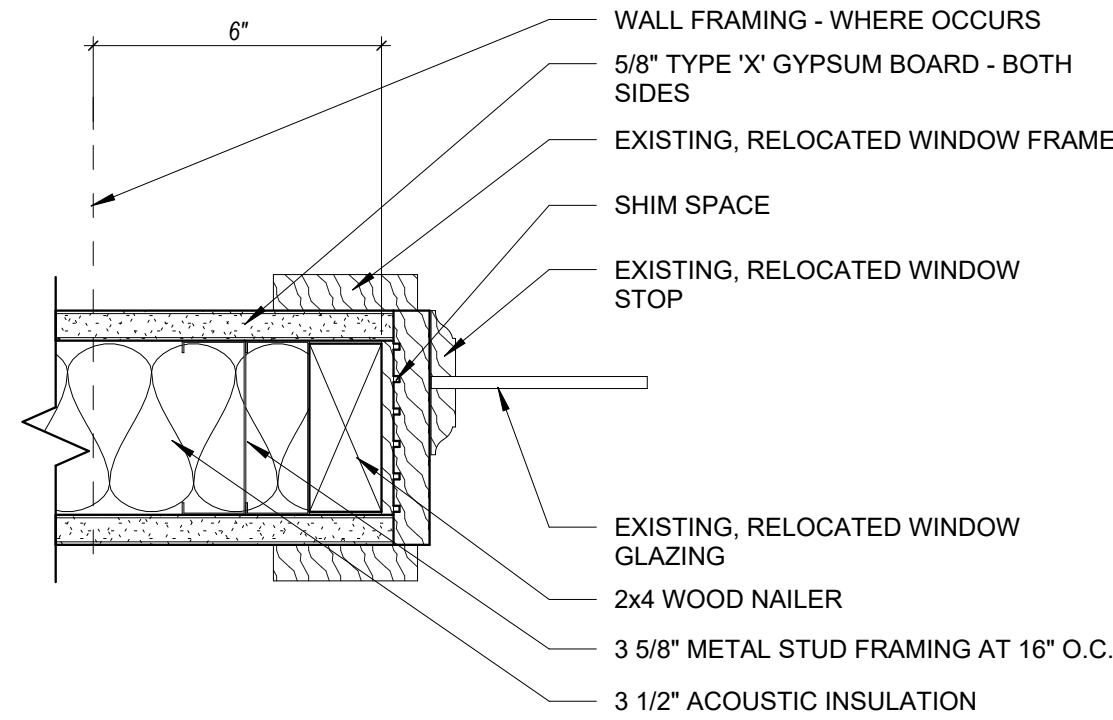
5 Wood Door Frame - Head
Scale: 3" = 1'-0"



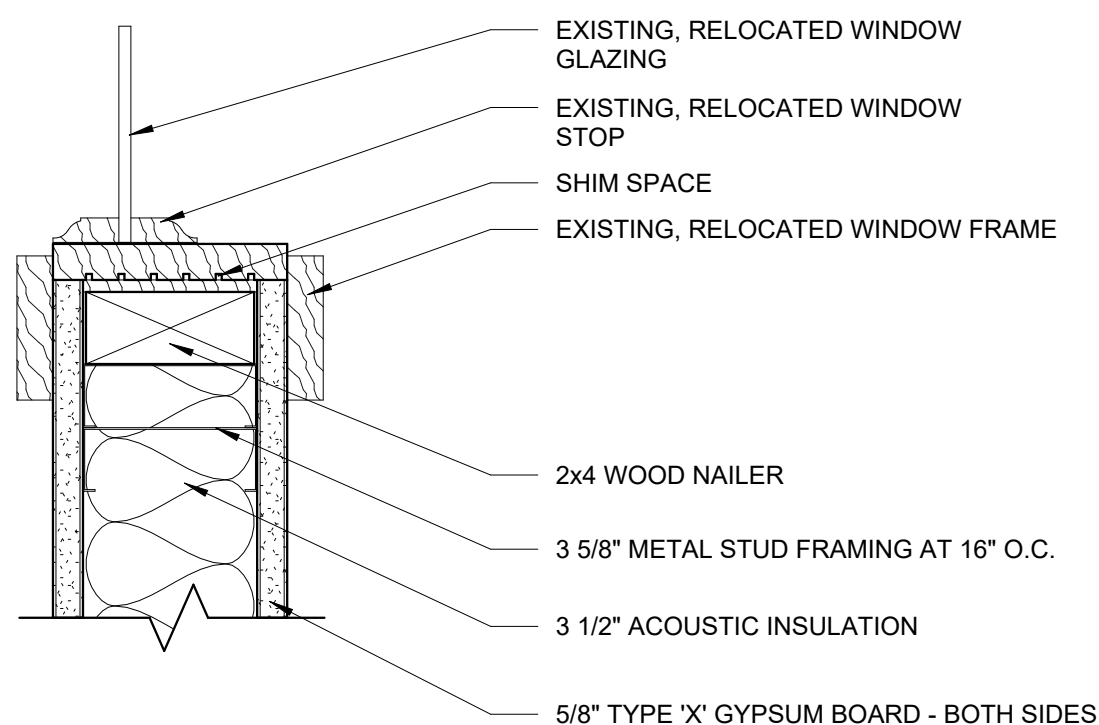
6 Wood Door Frame - Jamb
Scale: 3" = 1'-0"



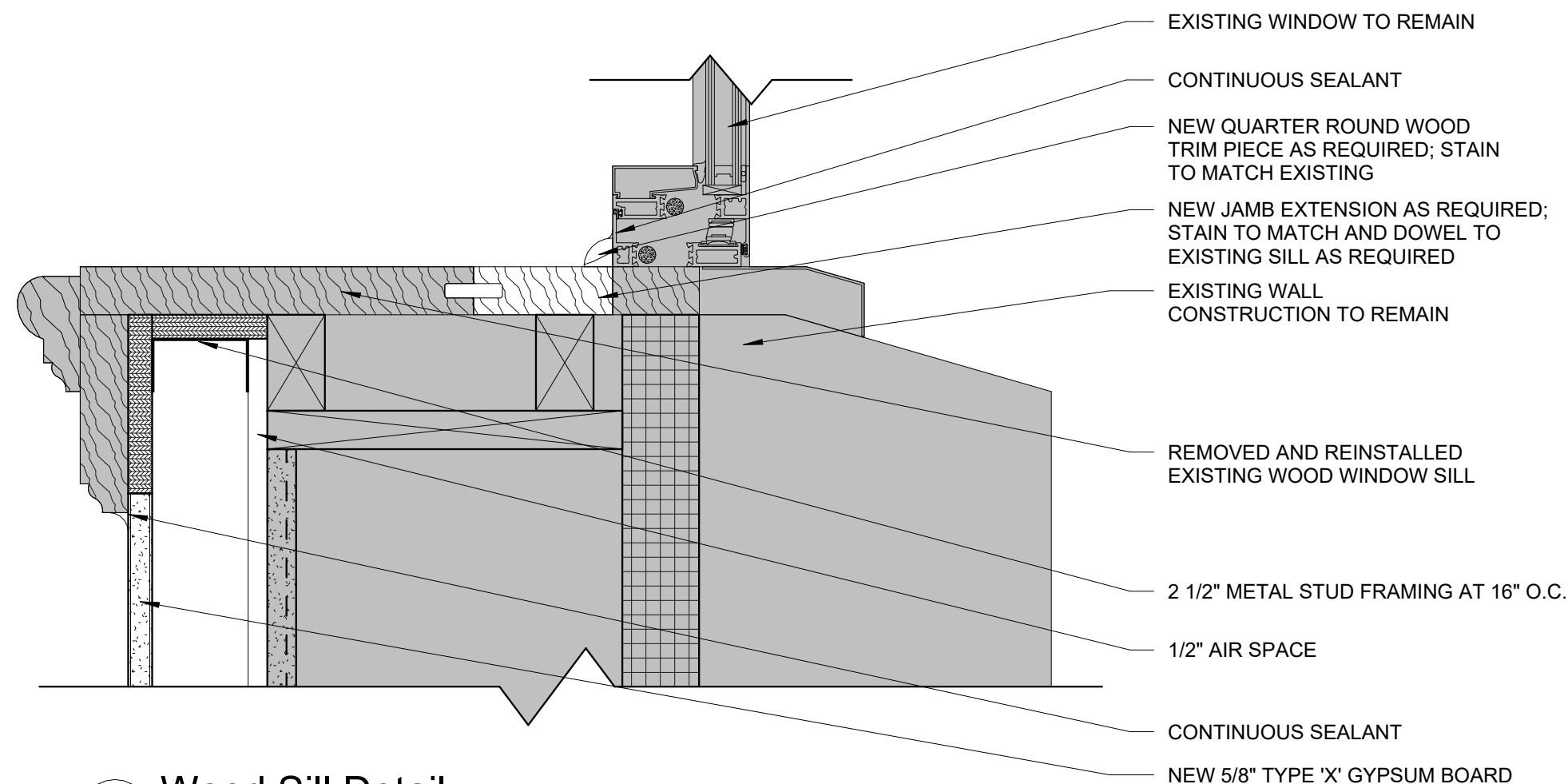
7 Wood Window Frame - Head
Scale: 3" = 1'-0"



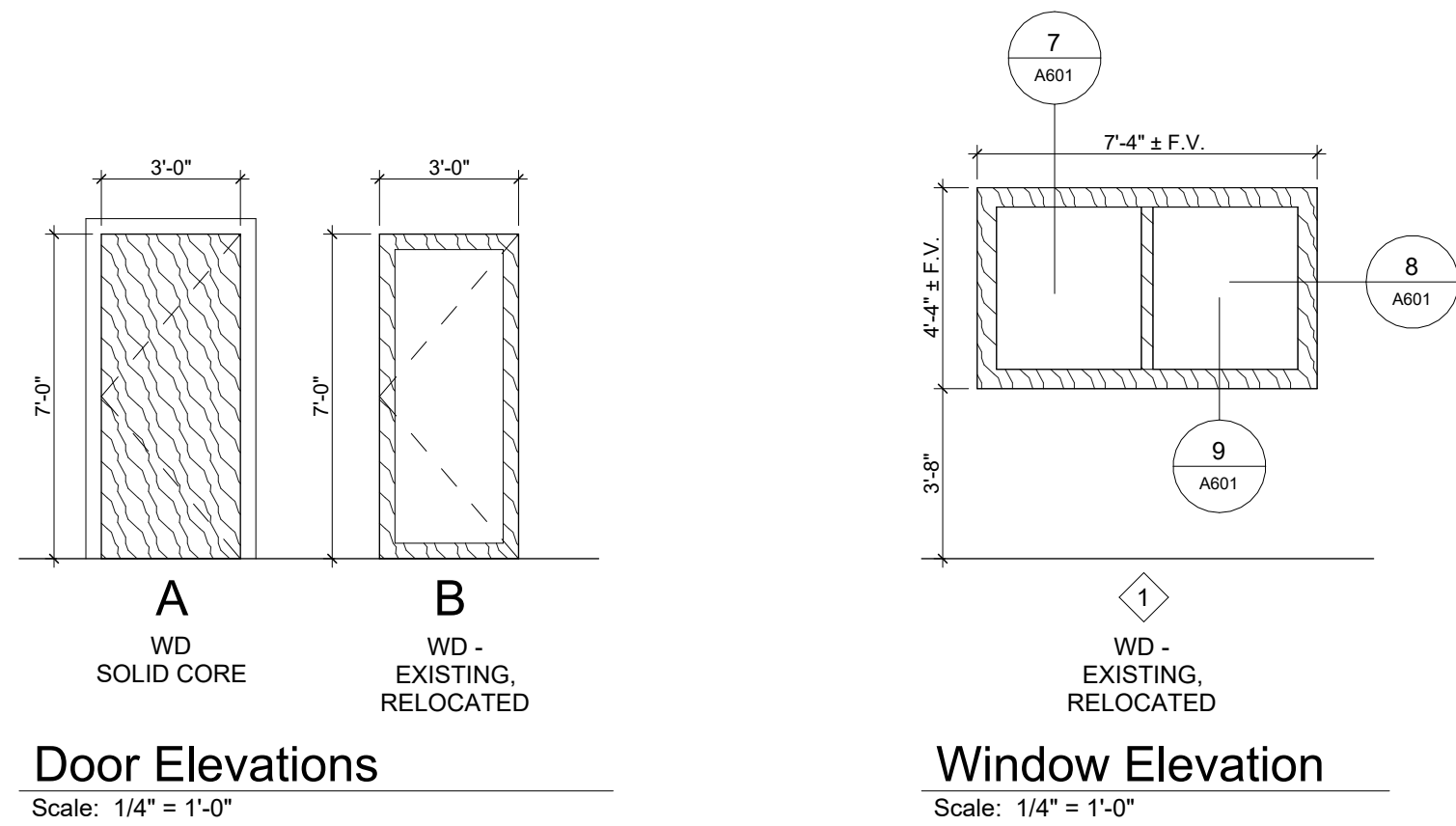
8 Wood Window Frame - Jamb
Scale: 3" = 1'-0"



9 Wood Window Frame - Sill
Scale: 3" = 1'-0"



10 Wood Sill Detail
Scale: 3" = 1'-0"



Door Elevations
Scale: 1/4" = 1'-0"

Window Elevation
Scale: 1/4" = 1'-0"

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

September 15, 2026
J2 Project No. J22525



State of North Dakota
ND State Library Renovation
Bismarck, ND

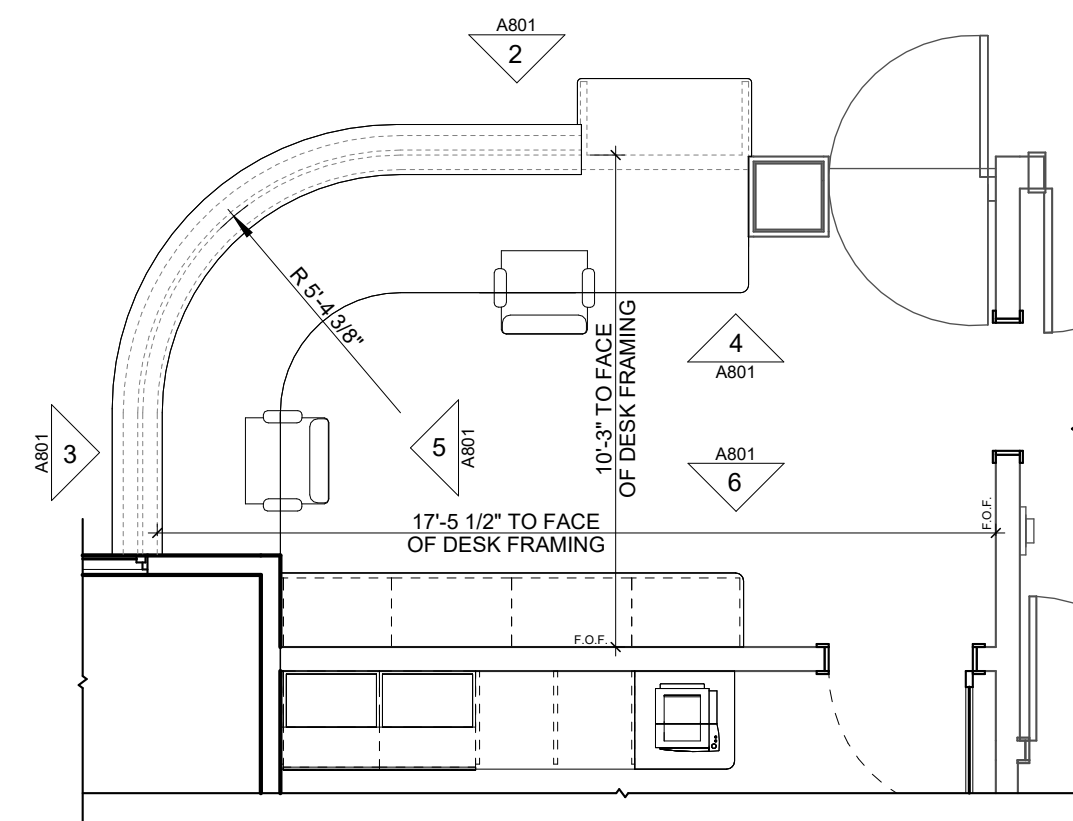


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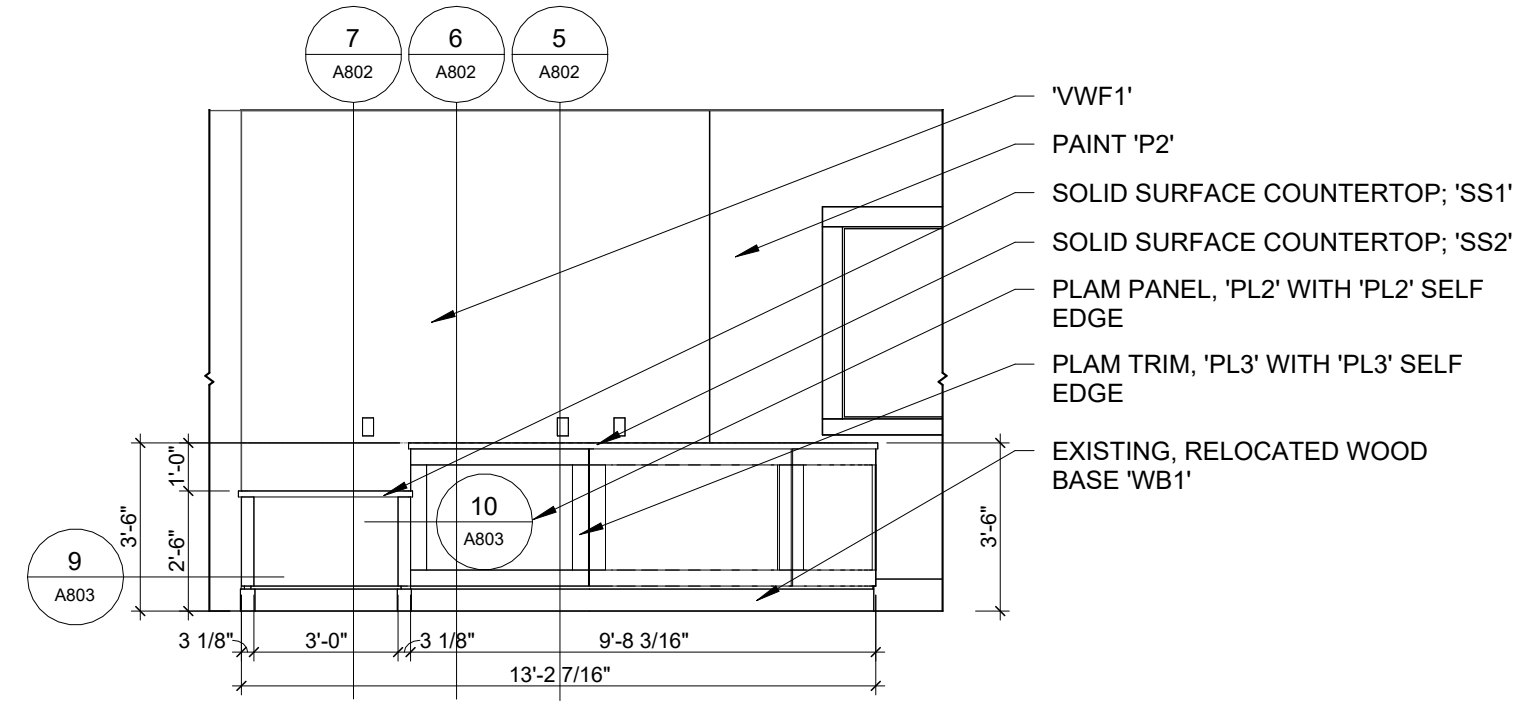
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Door
Schedule &
Door/Window
Elevations
and Details

A601

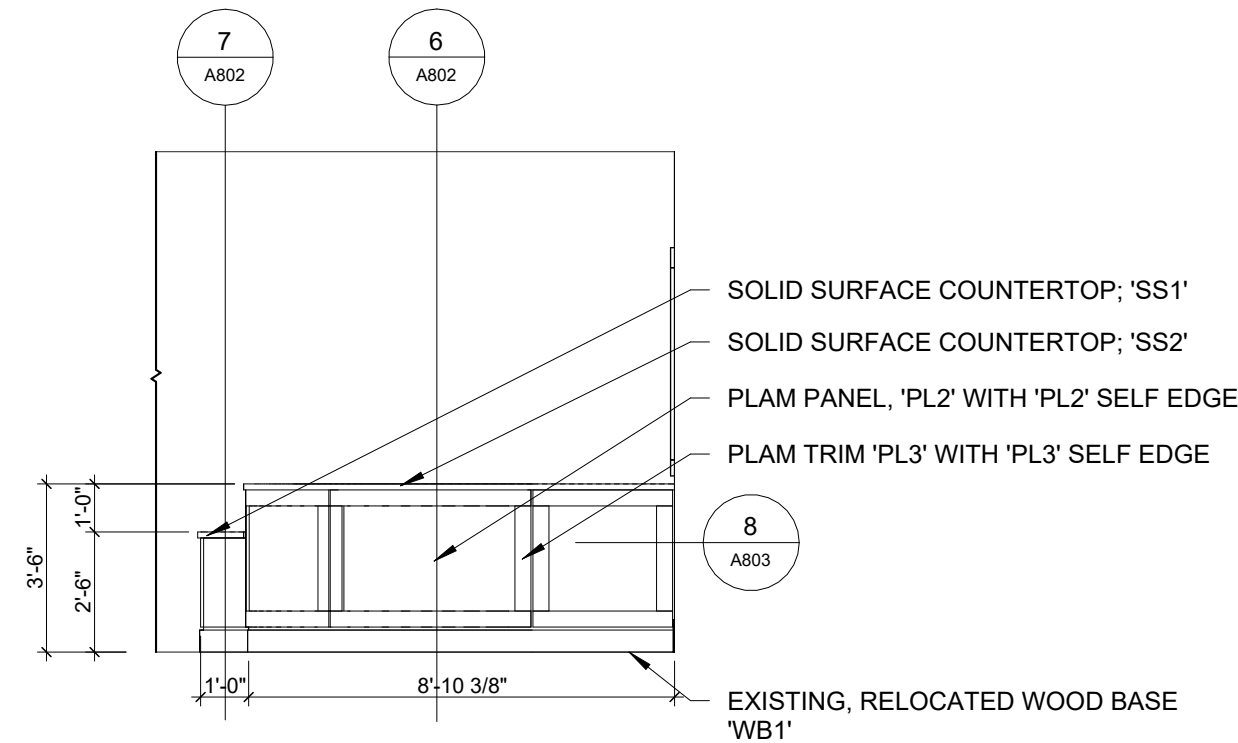


1 Enlarged Plan - Circulation 003
Scale: 1/4" = 1'-0"



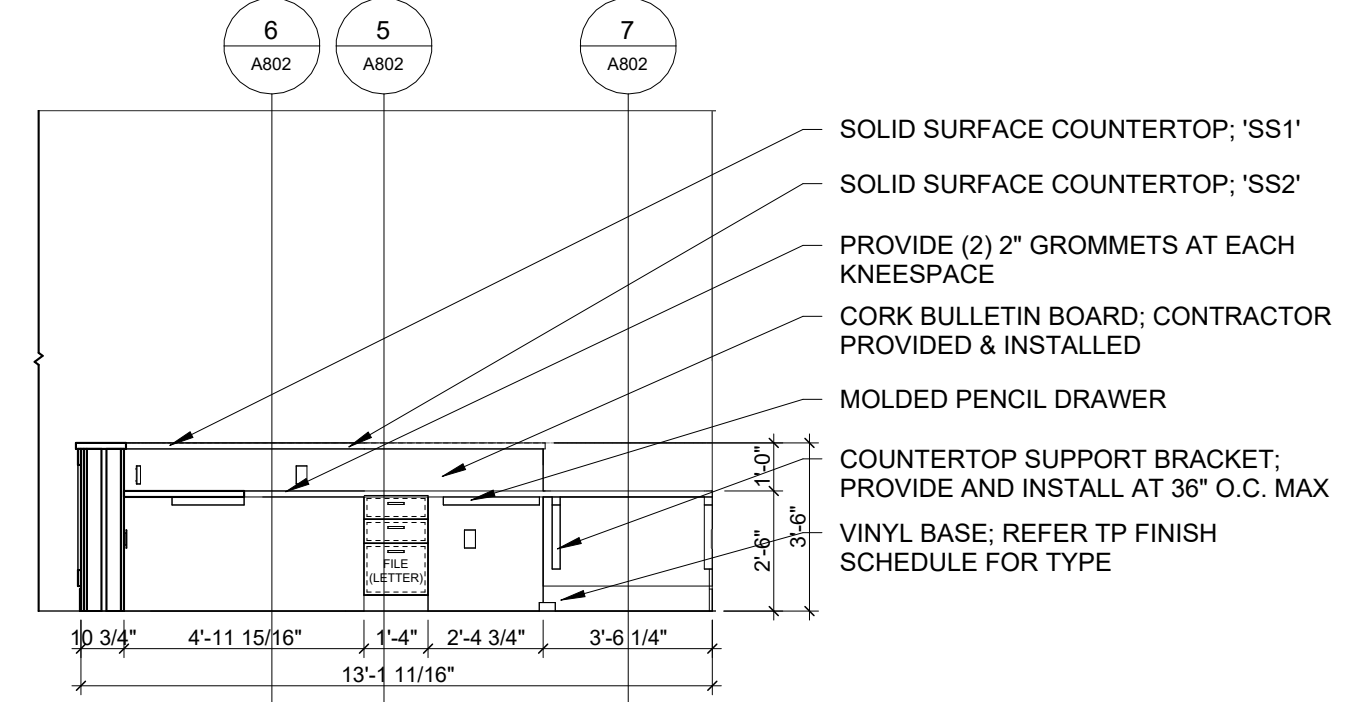
2 Casework Elevation - Stacks 001
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1,SS2	PL2, PL3	PL3	--
EDGE BANDING	SS1,SS2	PL2,PL3	PL3	



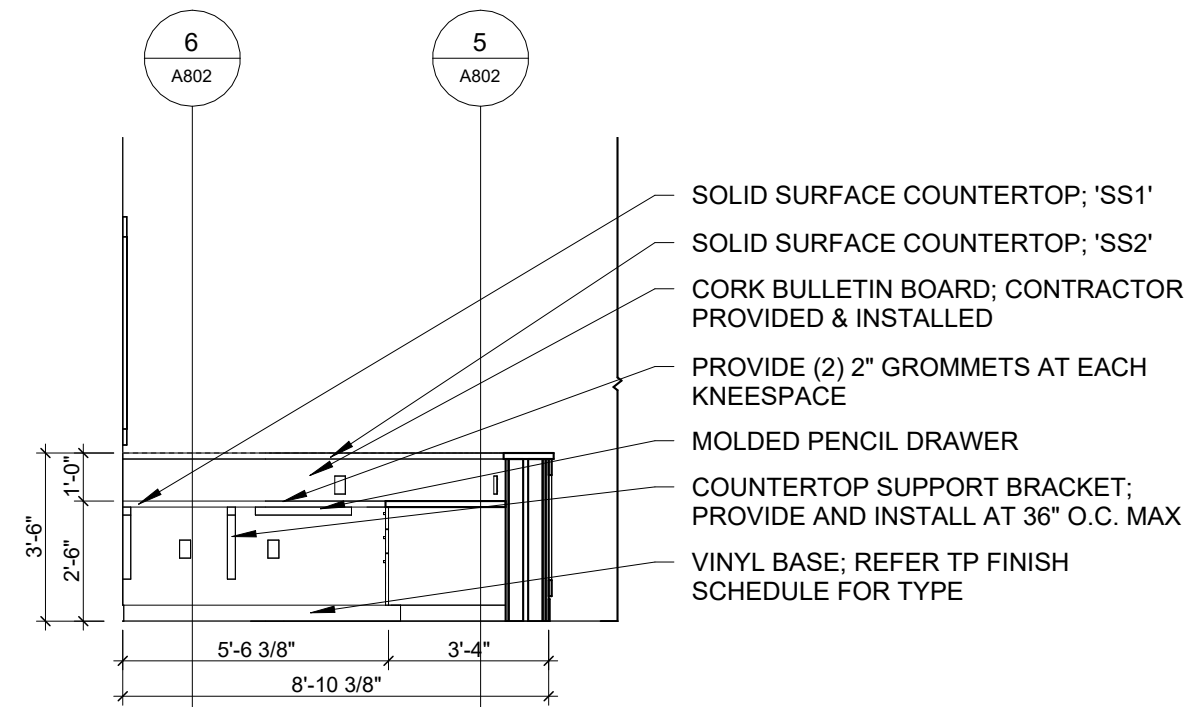
3 Casework Elevation - Stacks 001
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1,SS2	PL2, PL3	PL3	--
EDGE BANDING	SS1,SS2	PL2,PL3	PL3	



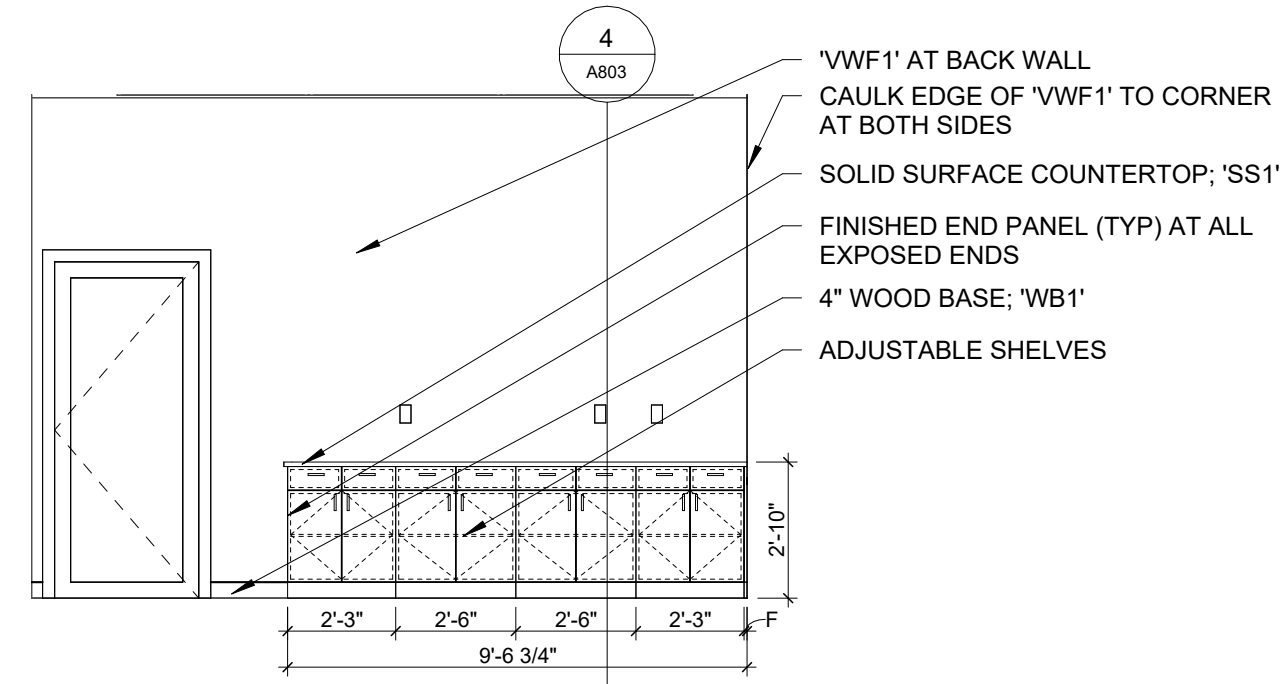
4 Casework Elevation - Circulation 003
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1,SS2	PL2	PL2	--
EDGE BANDING	SS1,SS2	PVC2	PVC2	



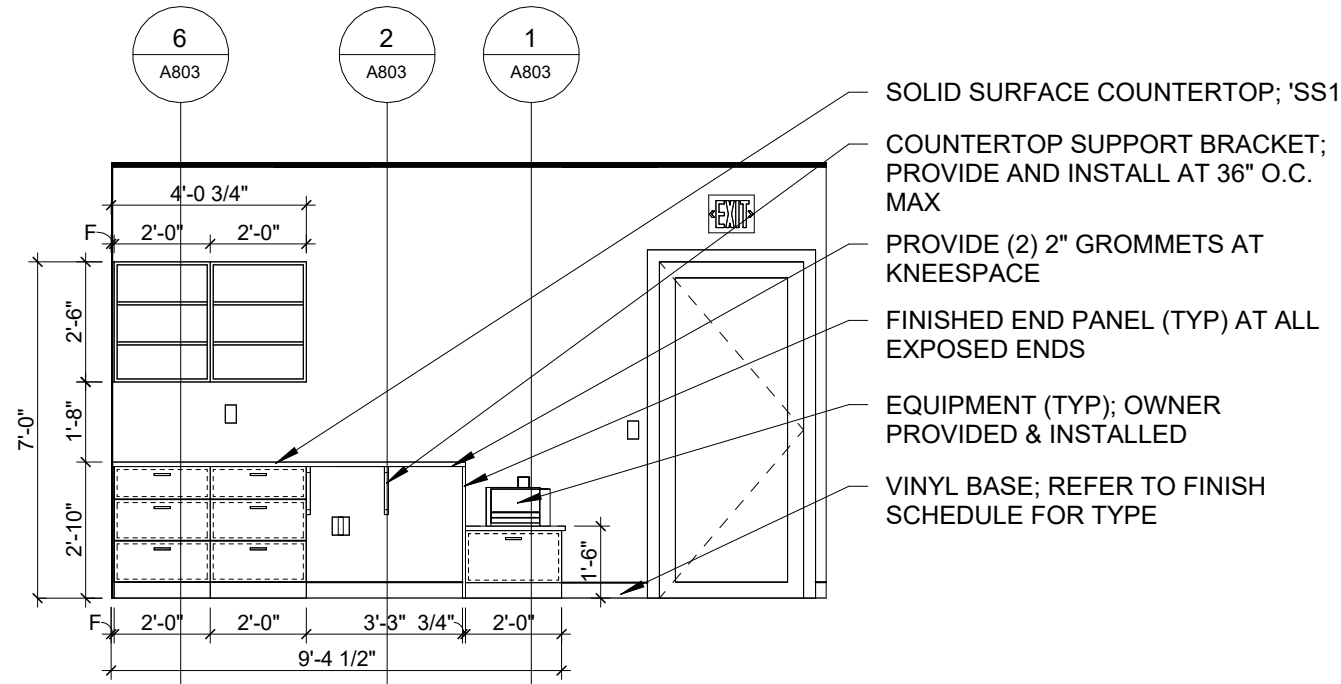
5 Casework Elevation - Circulation 003
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1,SS2	PL2	PL2	--
EDGE BANDING	SS1,SS2	PVC2	PVC2	



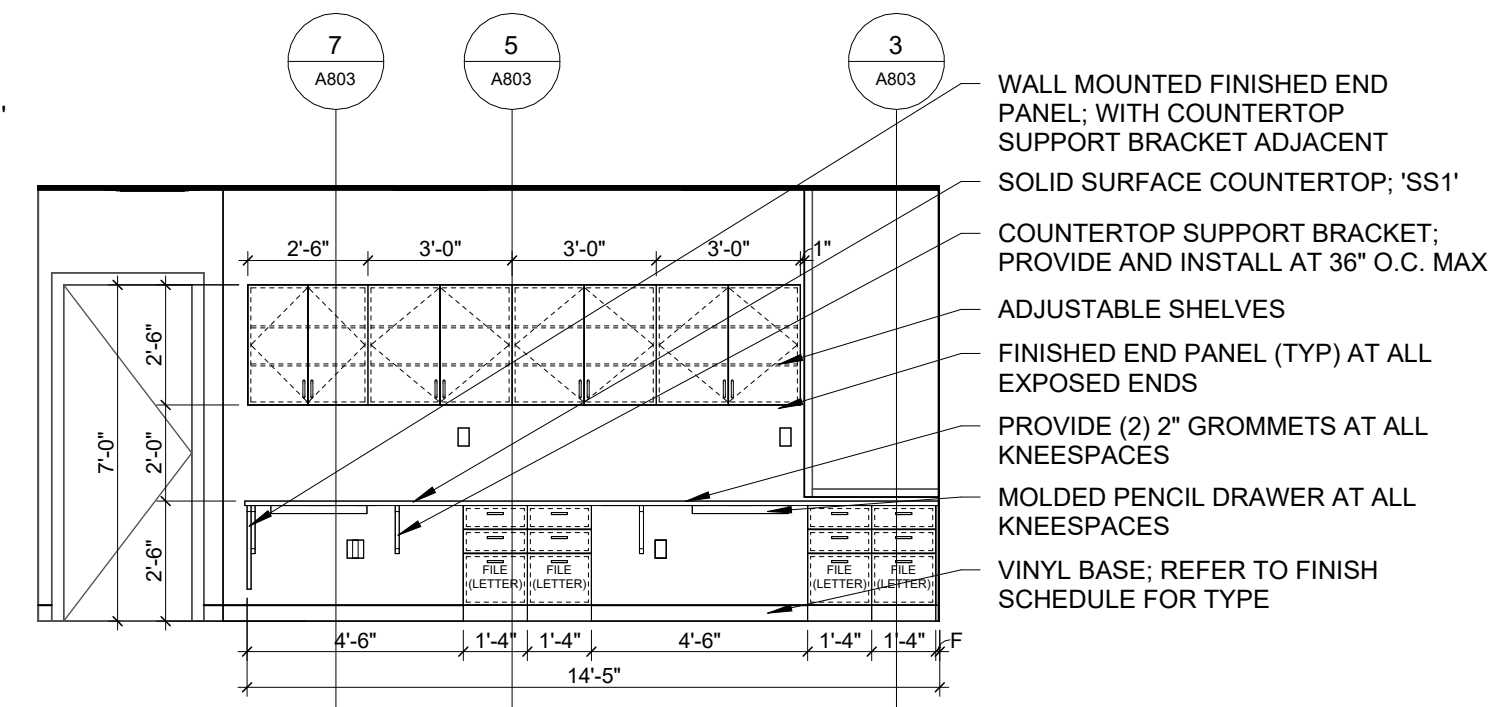
6 Casework Elevation - Circulation 003
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1	PL1	PL1	--
EDGE BANDING	SS1	PVC1	PVC1	



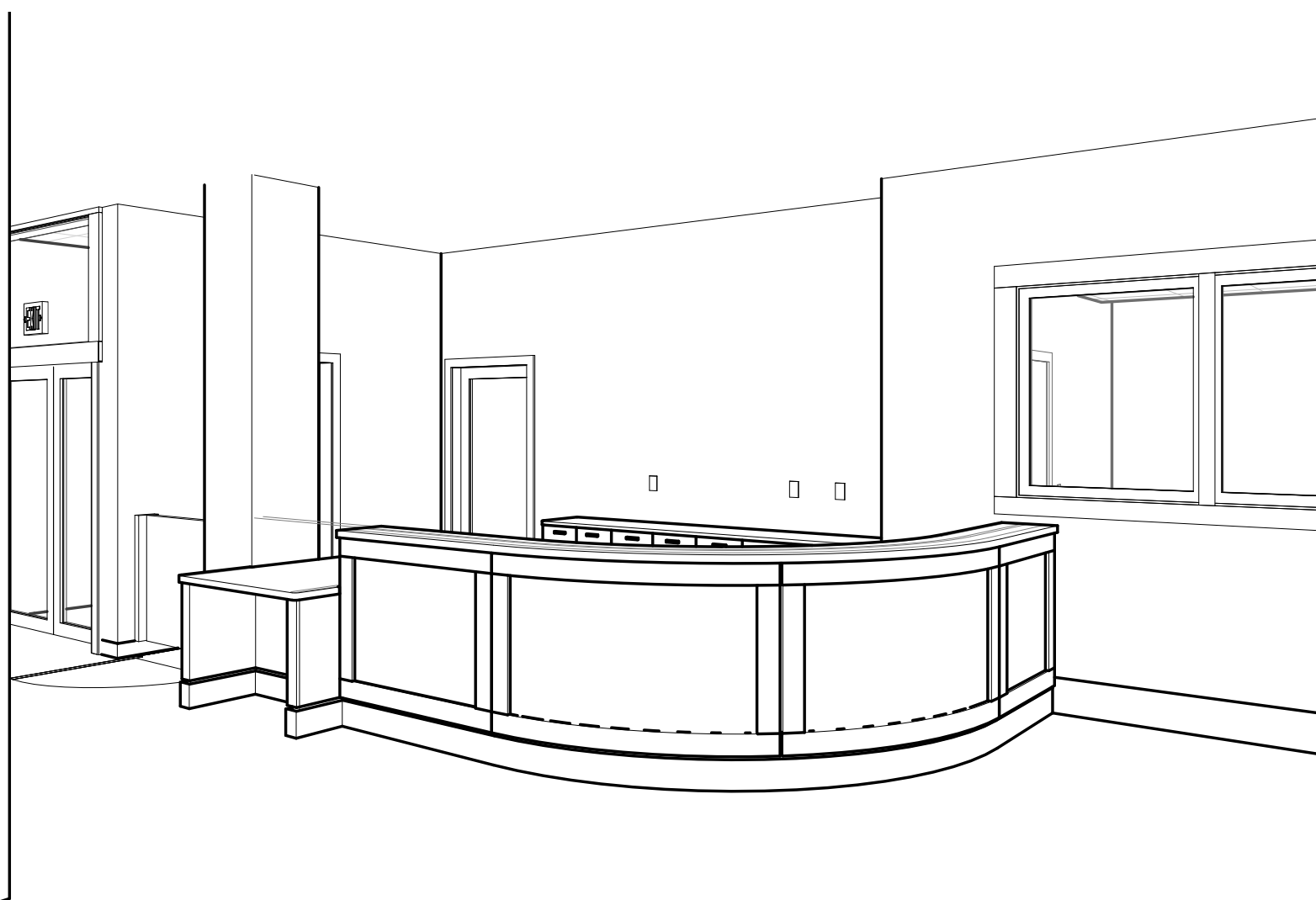
7 Casework Elevation - Support 004
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1	PL1	PL1	PVC1
EDGE BANDING	SS1	PVC1	PVC1	



8 Casework Elevation - Support 004
Scale: 1/4" = 1'-0"

	COUNTERTOP	CABINET FACE	FINISHED ENDS	OPEN INTERIOR
FINISH	SS1	PL1	PL1	--
EDGE BANDING	SS1	PVC1	PVC1	



9 Axon View - Front of Circulation Desk
Not to Scale



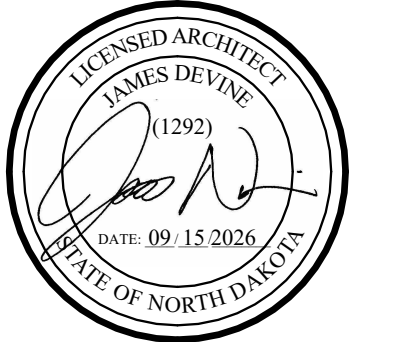
10 Axon View - Back of Circulation Desk
Not to Scale

NOTE: PROVIDE COUNTERTOP BRACES AS REQUIRED AT ALL UNSUPPORTED COUNTERS WITH MAXIMUM SPACING OF 36" O.C.

REVISIONS		
MARK	DATE	DESCRIPTION

Contract Documents

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Casework
Elevations &
Axon Views

A801

BACKING SCHEDULE

BACKING SUPPORT 'BS1'

THIS BACKING IS TO USED WHERE INDICATED AND WHERE BACKING IS REQUIRED FOR SURFACE MOUNTED ACCESSORIES AND EQUIPMENT WHICH DO NOT EXCEED THE FOLLOWING DESIGN LOADS: TOTAL WEIGHT OF EQUIPMENT DIVIDED BY EQUIPMENT WIDTH = LBS PLF OF EQUIPMENT.
EQUIPMENT TO BE LESS THAN 5 PLF

THIS BACKING PLATE DETAIL MAY BE USED WHERE HORIZONTAL BACKING IS REQUIRED AT SURFACE MOUNTED EQUIPMENT (INCLUDING THE FOLLOWING - NOT ALL EQUIPMENT MAY BE IN THIS PROJECT):

TOILET ACCESSORIES (EXCLUDING GRAB BARS)
BUMPER RAILS
FIRE EXTINGUISHERS
MARKERBOARDS
TACKBOARDS
MIRRORS
PAPER TOWEL DISPENSERS
TOILET TISSUE DISPENSERS
SOAP DISPOSALS
CUP DISPENSERS
SOAP DISPENSERS
COAT HOOKS
ALL OTHER EQUIPMENT MEETING WEIGHT REQUIREMENTS

BACKING SUPPORT 'BS2' AND 'BS3'

THESE BACKING SUPPORT TYPES ARE TO BE PROVIDED WHERE INDICATED AND WHERE BACKING SUPPORT IS TO BE PROVIDED FOR SURFACE MOUNTED EQUIPMENT, SHELVING, AND CASEWORK WHICH DO NOT EXCEED THE FOLLOWING DESIGN LOADS:

WALL MOUNTED EQUIPMENT:
TOTAL WEIGHT OF EQUIPMENT DIVIDED BY EQUIPMENT WIDTH = LBS PLF OF EQUIPMENT
EQUIPMENT TO BE LESS THAN 80 PLF

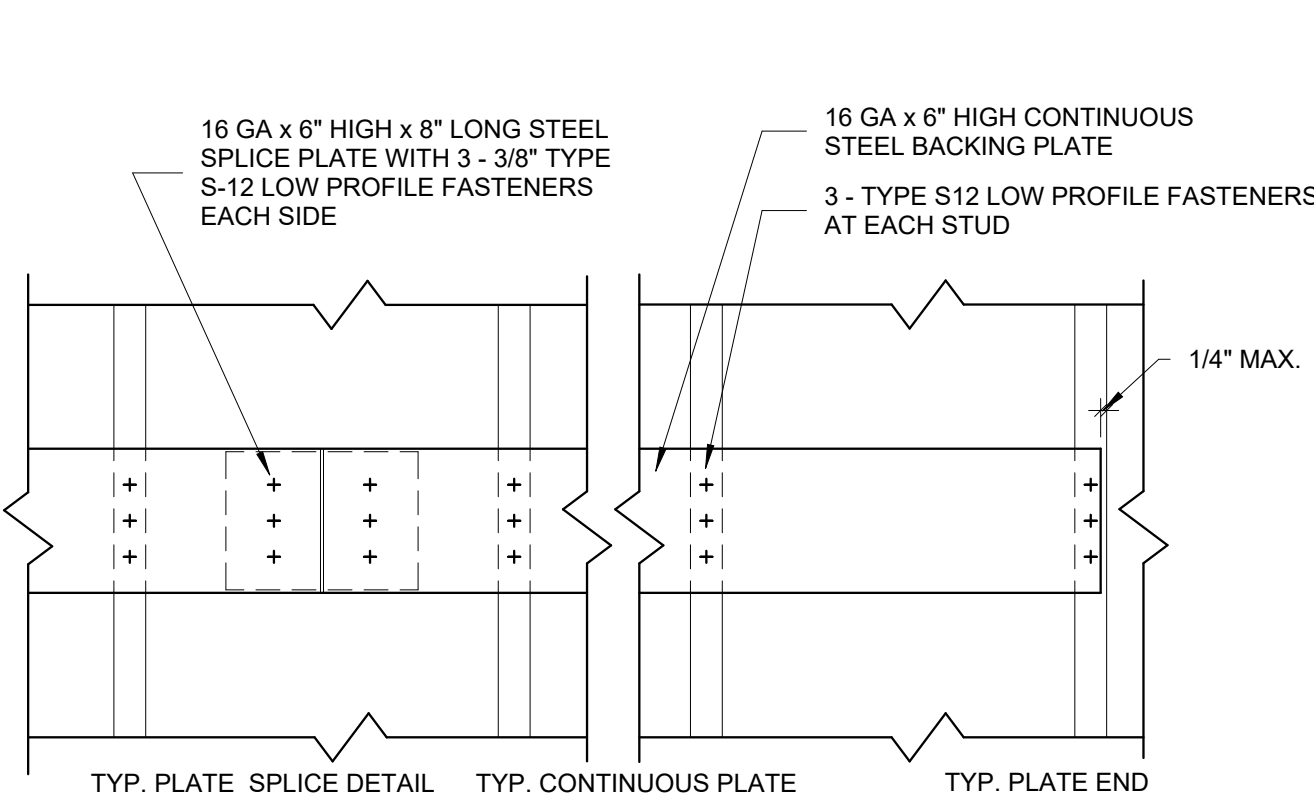
WALL MOUNTED CASEWORK AND SHELVING:
12" DEEP: 33 PLF
15" DEEP: 41 PLF
18" DEEP: 50 PLF

FLOOR MOUNTED BASE CABINETS:
24" DEEP: 33 PLF
30" DEEP: 41 PLF

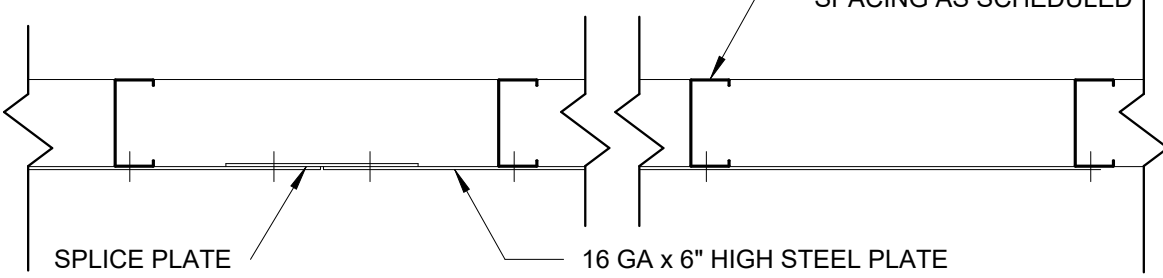
HANDRAILS:
MINIMUM 50 PLF

GRAB BARS:
POINT LOAD 250 LBS

TOILET PARTITIONS



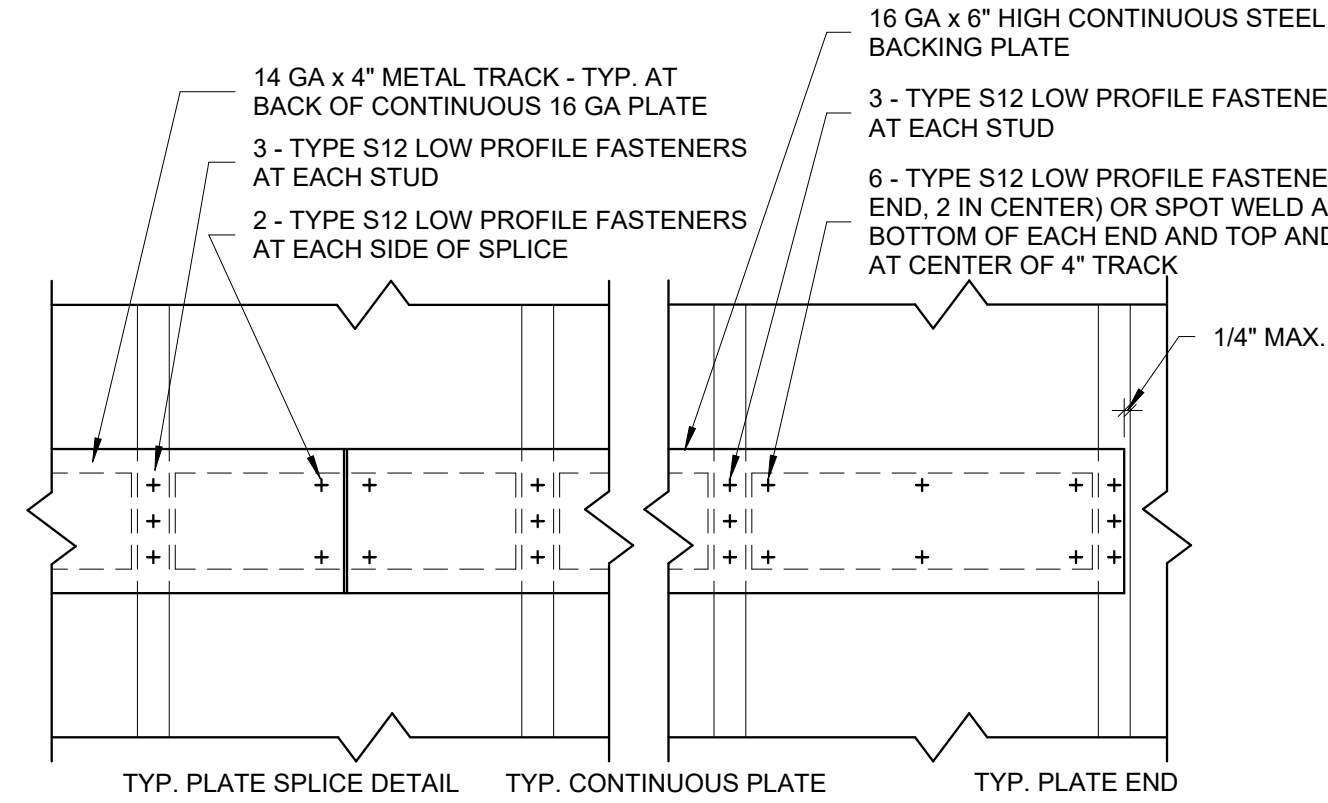
ELEVATION DETAIL



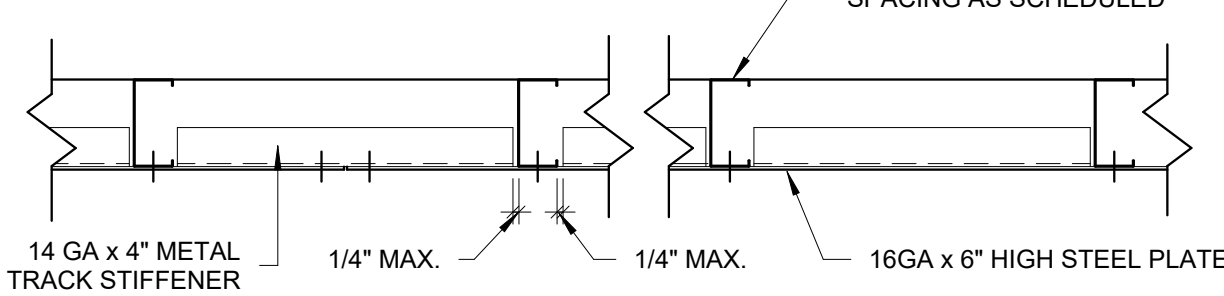
PLAN DETAIL

1 Backing Support 'BS1' (Flat Plate)

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



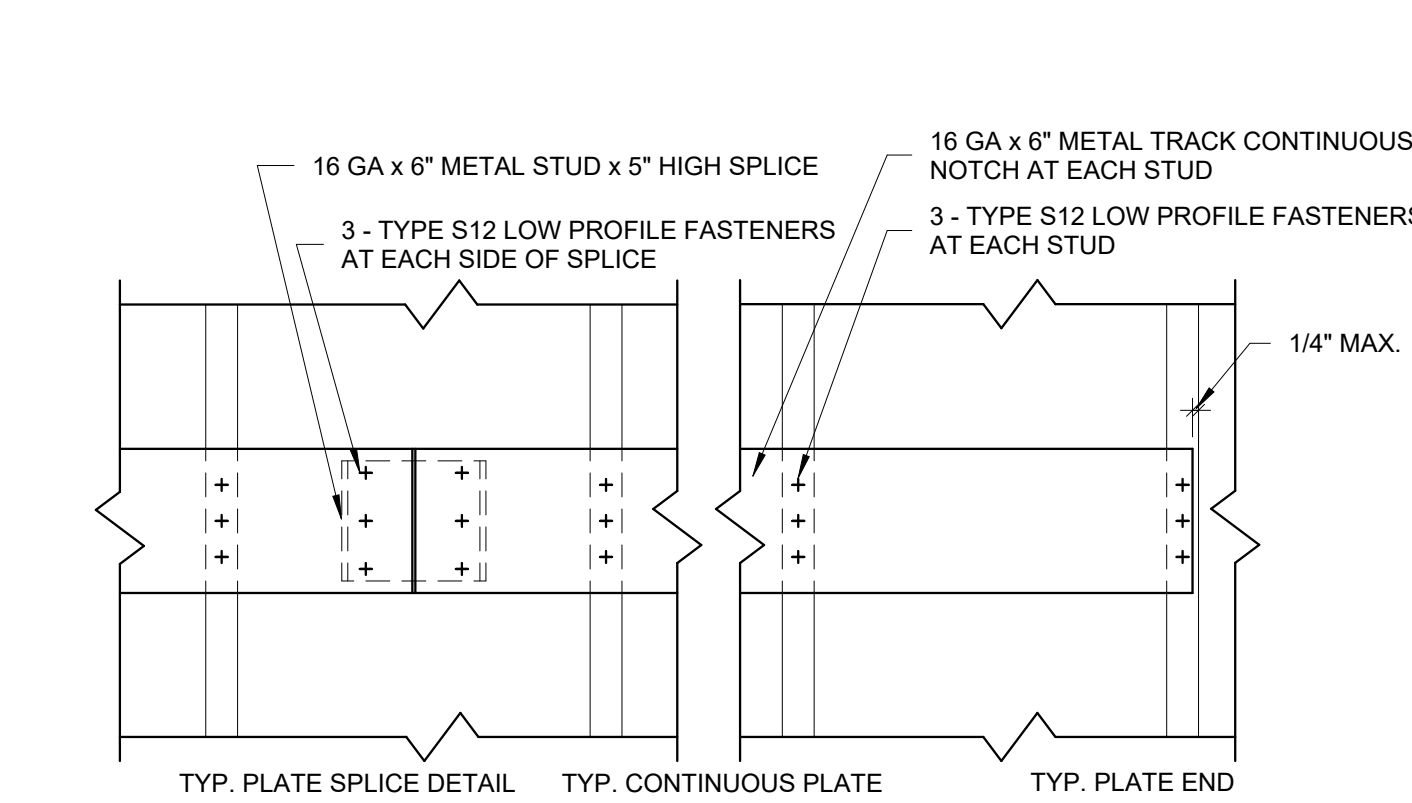
ELEVATION DETAIL



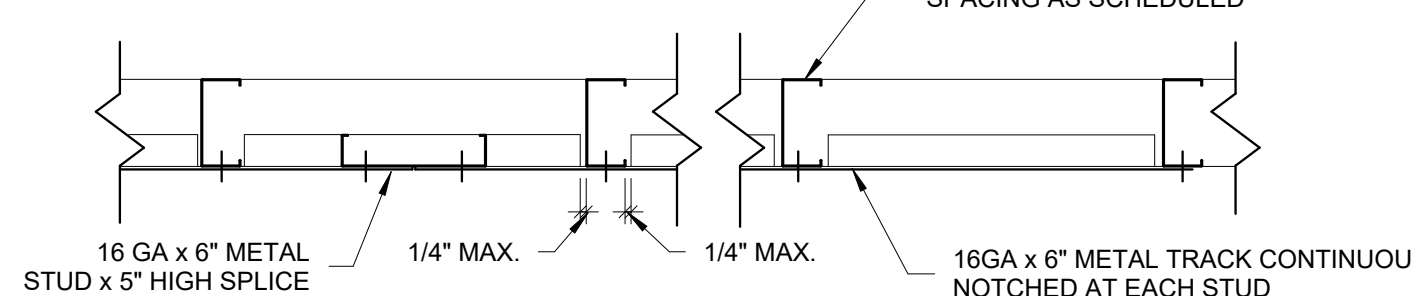
PLAN DETAIL

2 Backing Support 'BS2' (Flat Plate with Stiffeners)

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



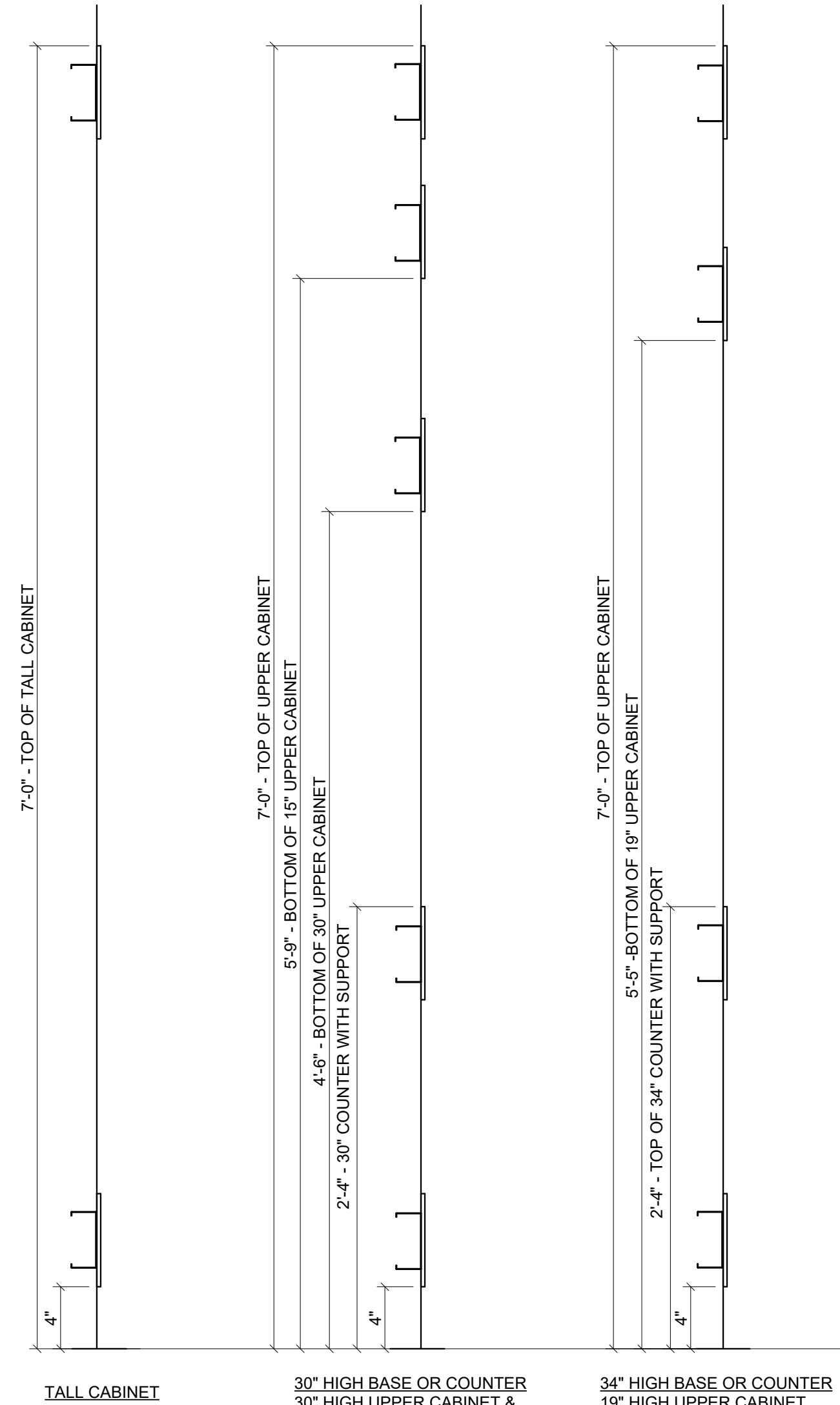
ELEVATION DETAIL



PLAN DETAIL

3 Backing Support 'BS3' (Pre-Notched Metal Track)

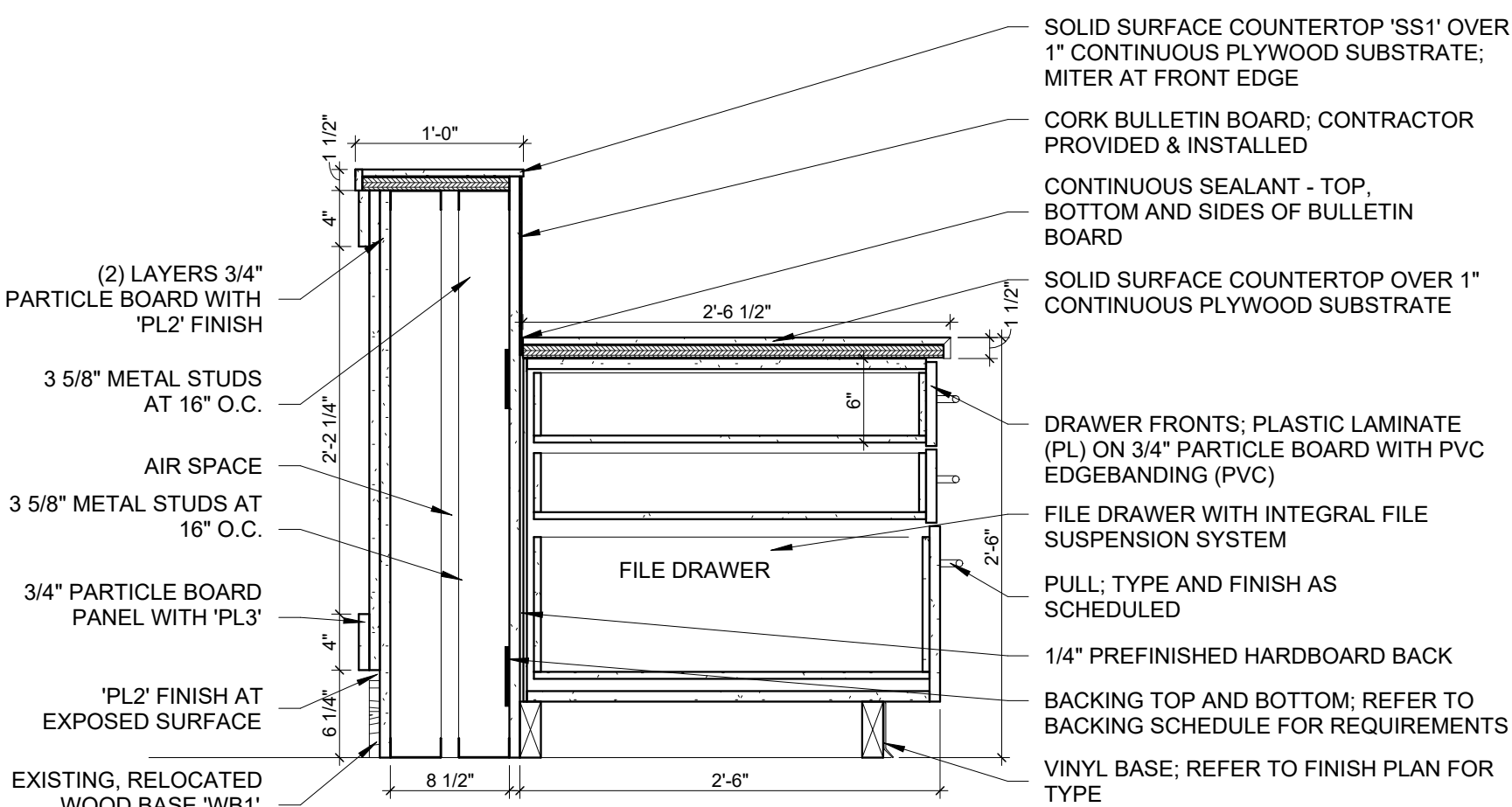
Scale: 1 1/2" = 1'-0"



NOTE: REFER TO INDIVIDUAL CASEWORK SECTIONS FOR SPECIFIC BACKING TYPES REQUIRED.

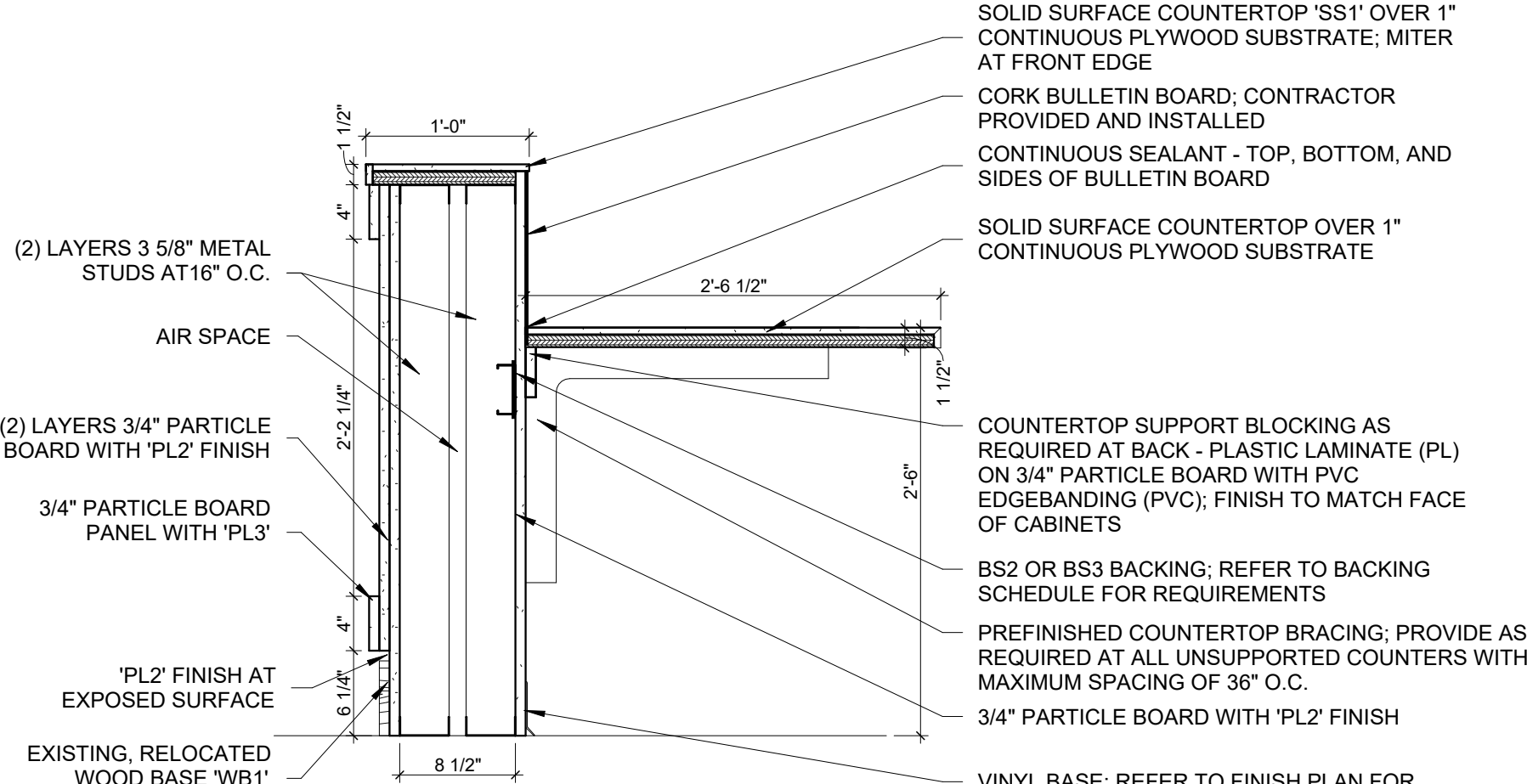
4 Typical Mounting Heights for Casework Backing

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



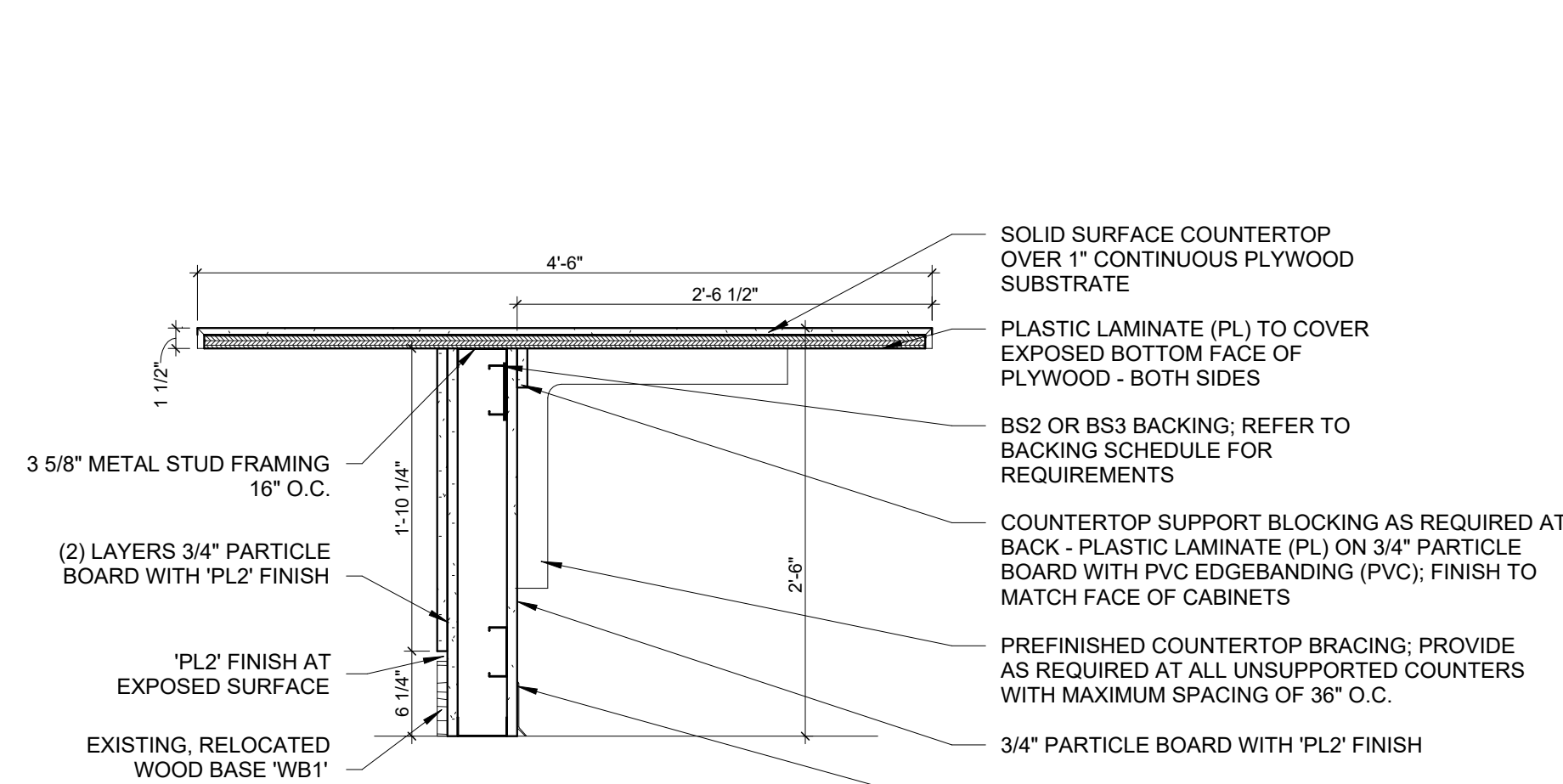
5 Base Section

Scale: 1" = 1'-0"



6 Base Section

Scale: 1" = 1'-0"



7 Base Section

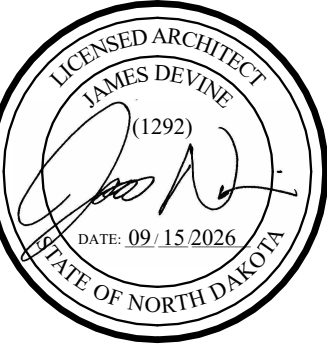
Scale: 1" = 1'-0"

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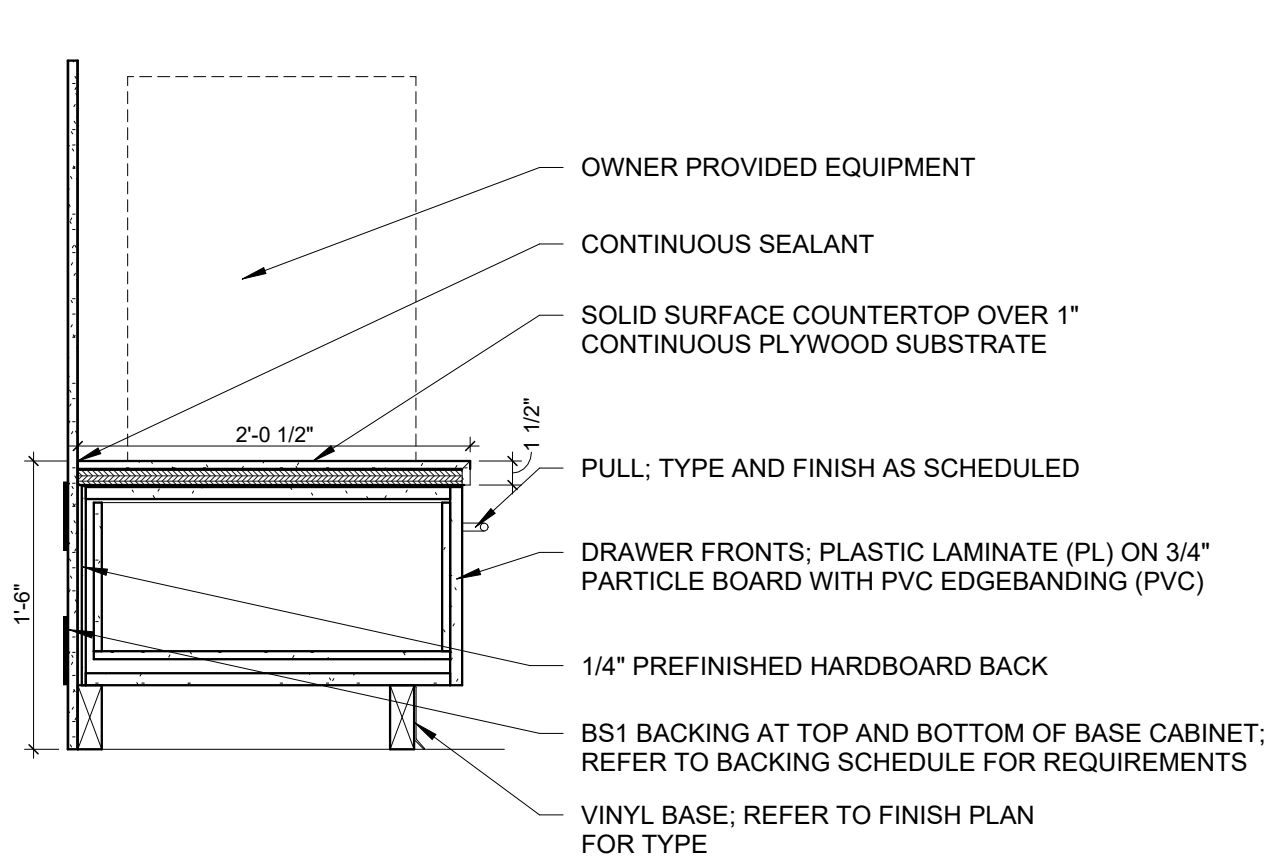


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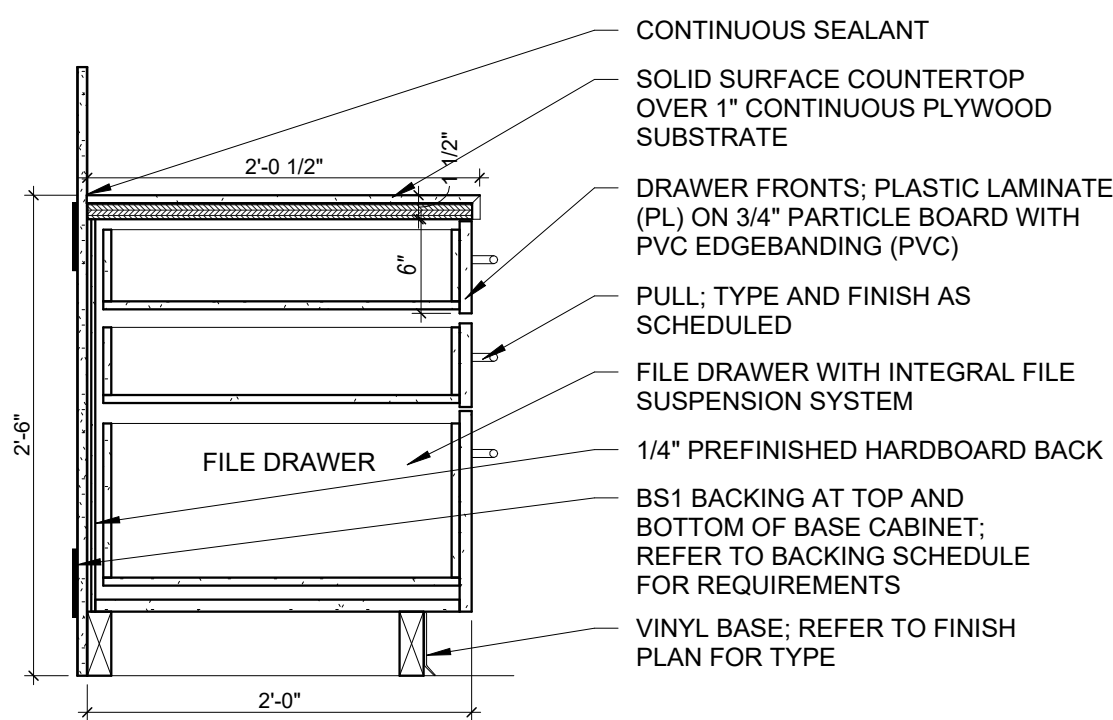
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Casework Sections & Backing Details

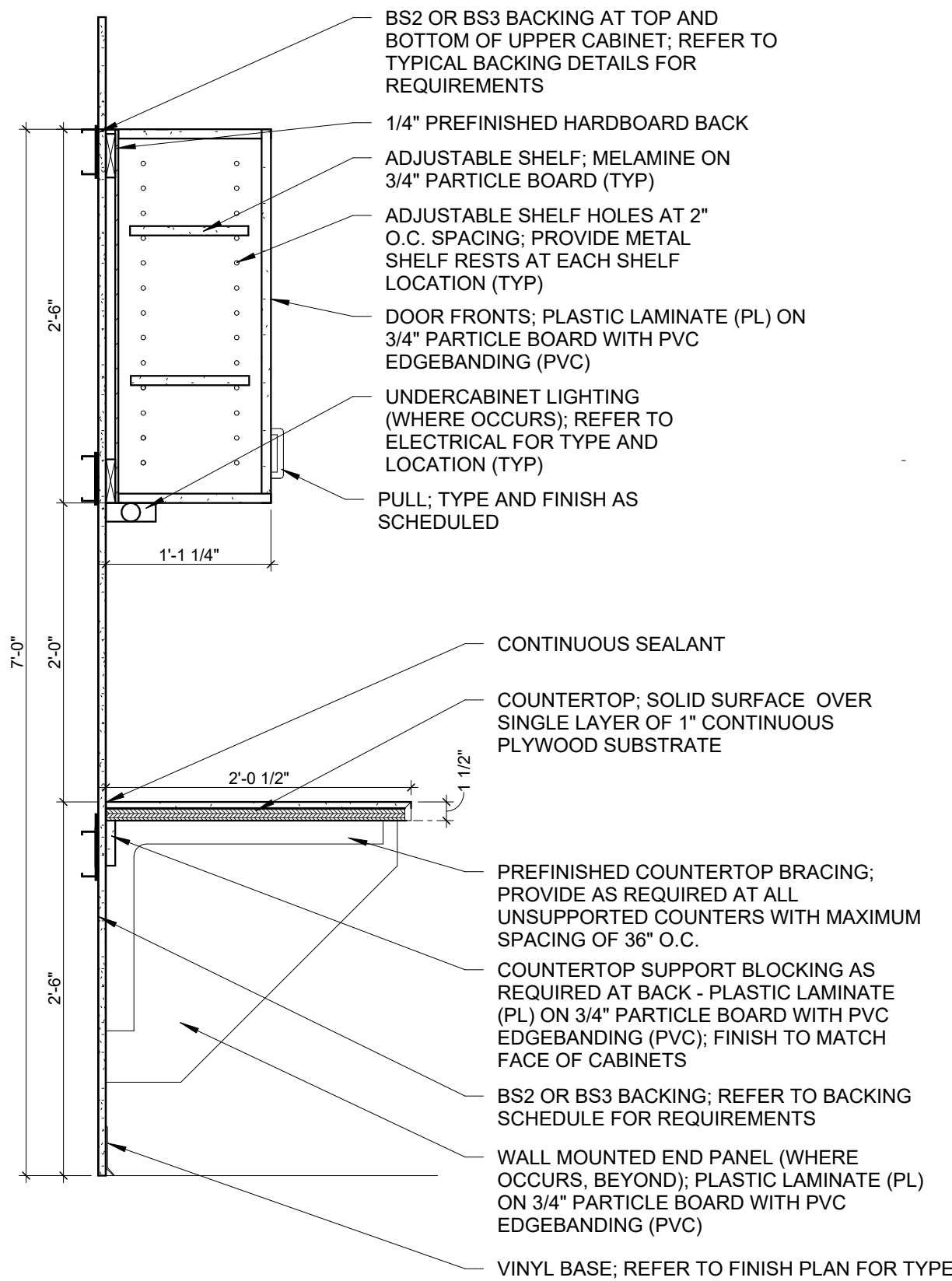
A802



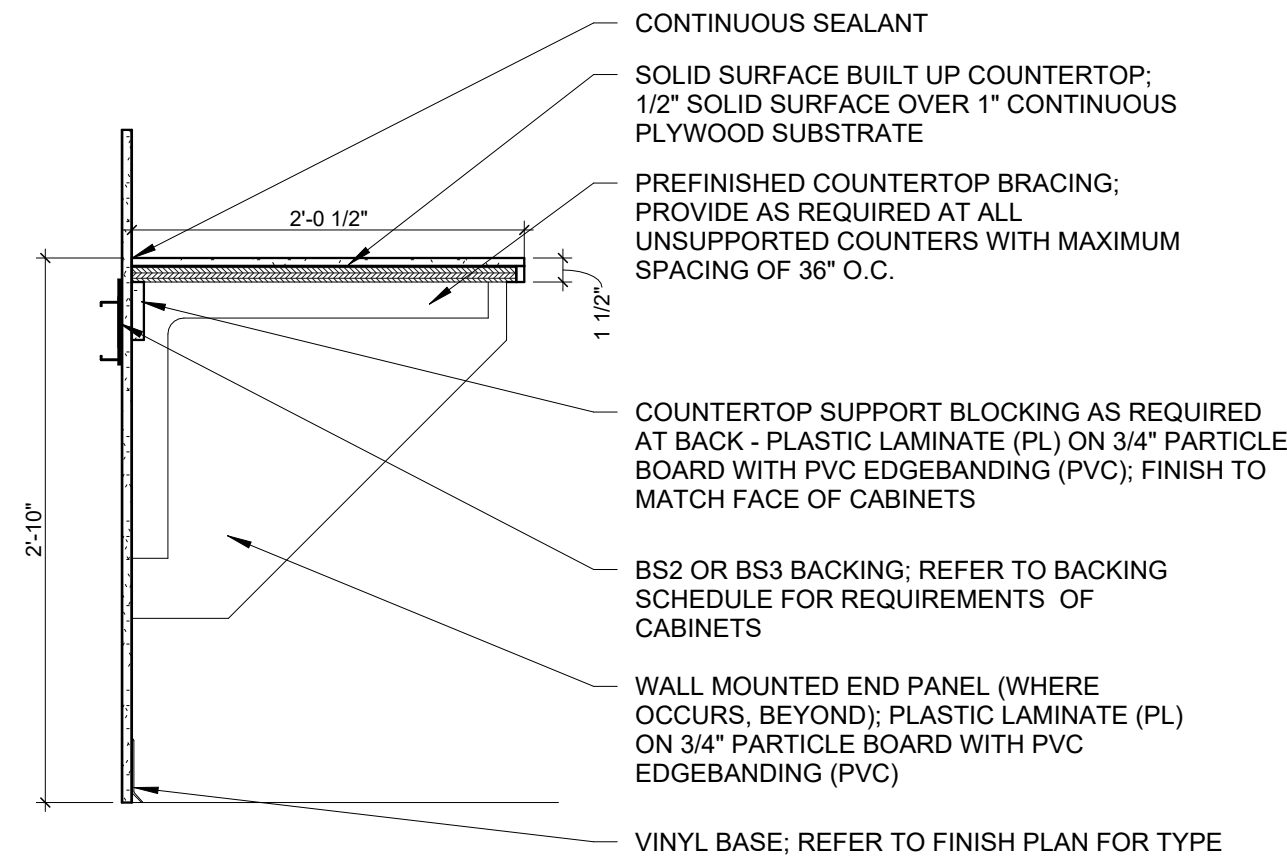
1 Base Section
Scale: 1" = 1'-0"



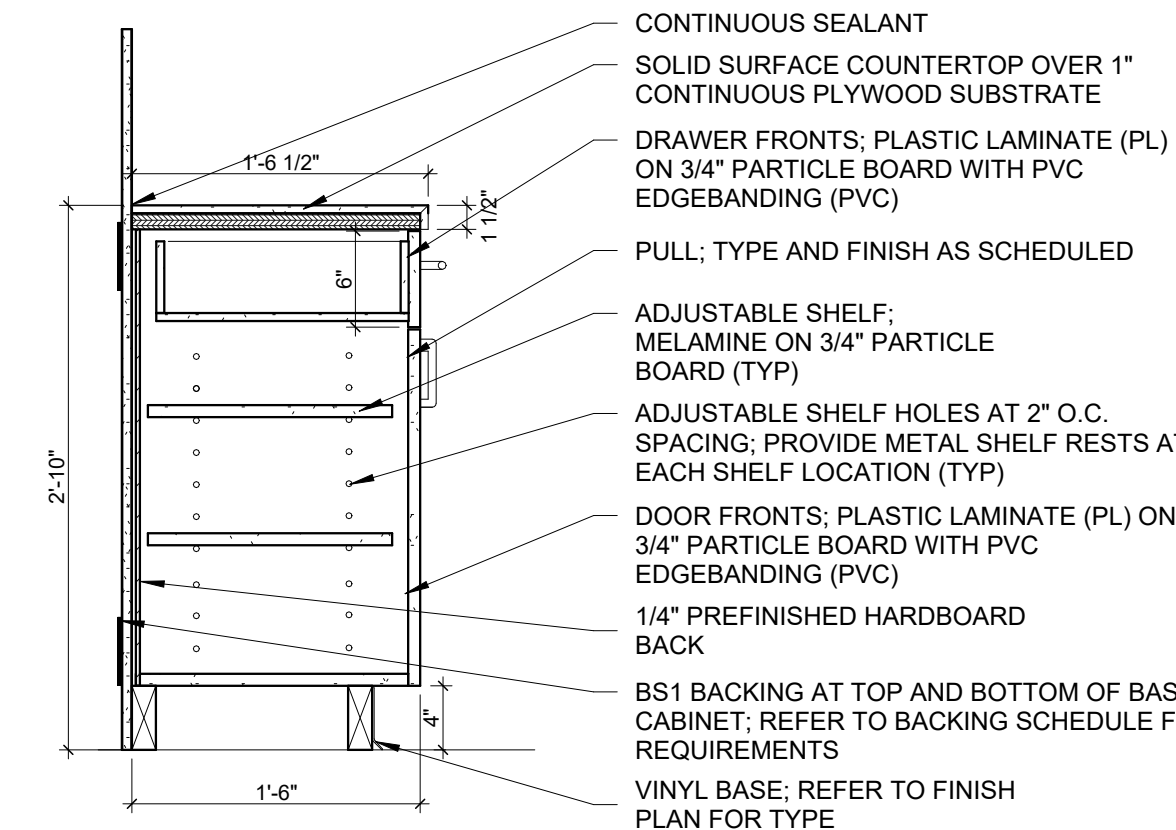
3 Base Section
Scale: 1" = 1'-0"



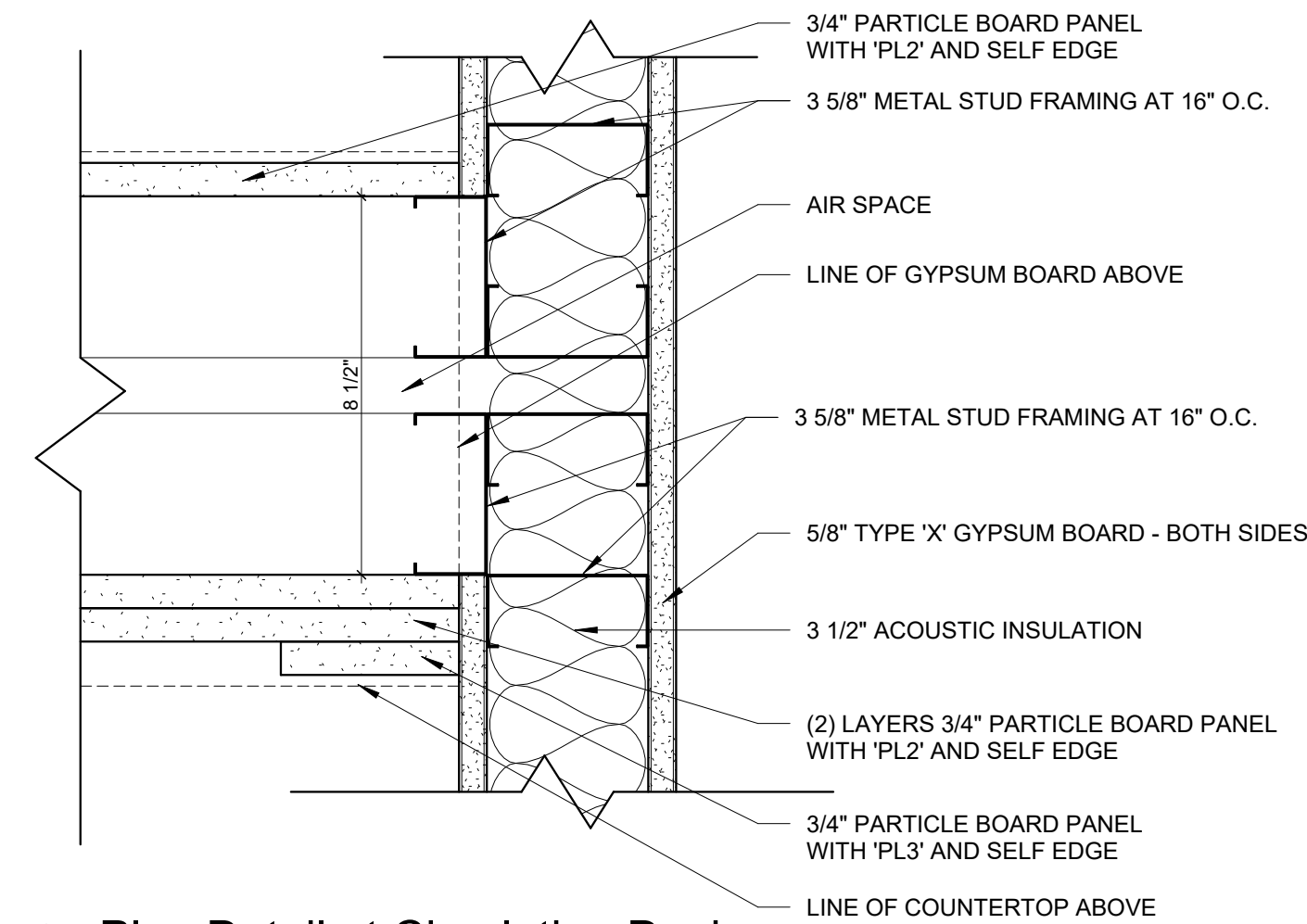
7 Counter and Upper Section
Scale: 1" = 1'-0"



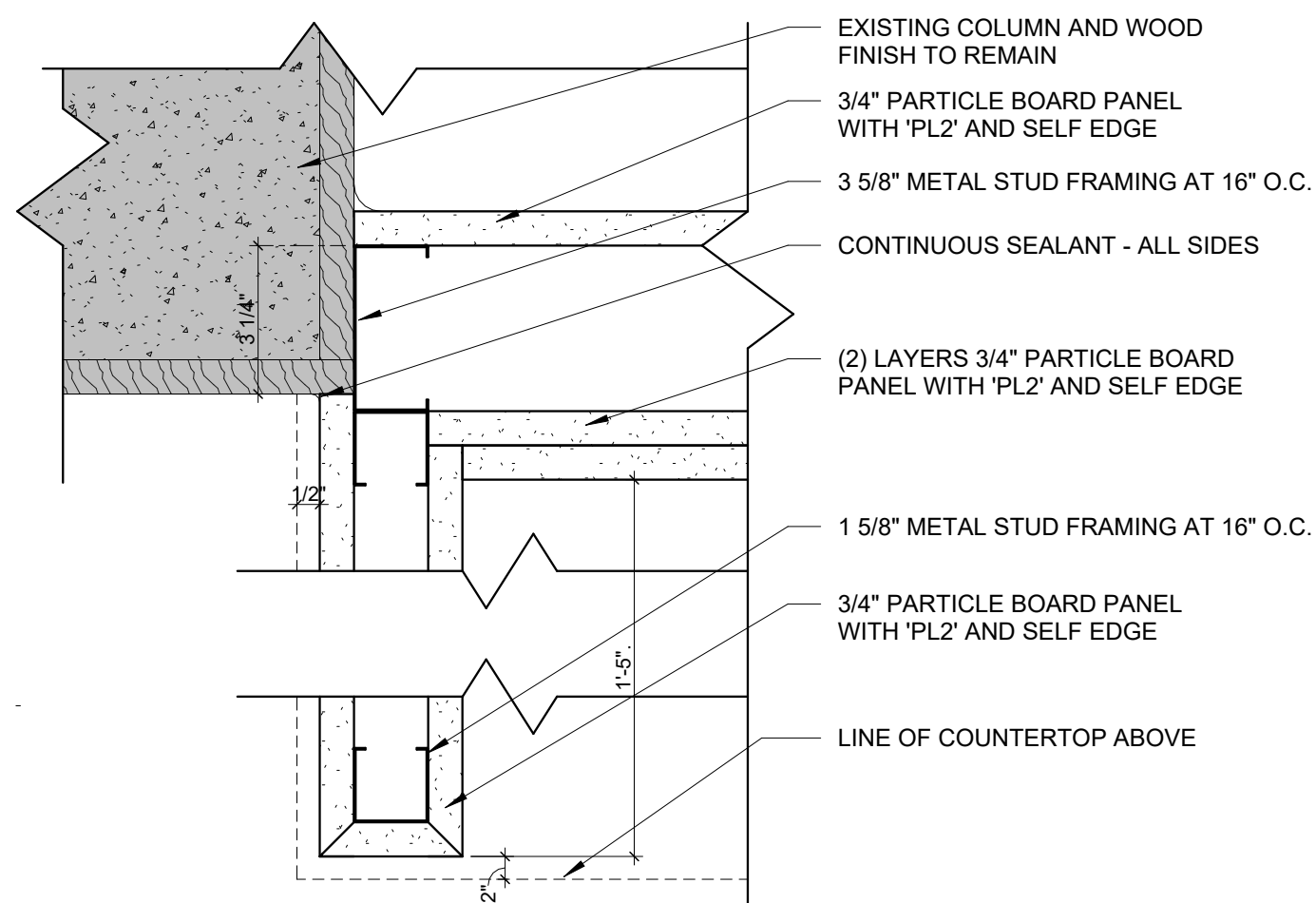
2 Counter Section
Scale: 1" = 1'-0"



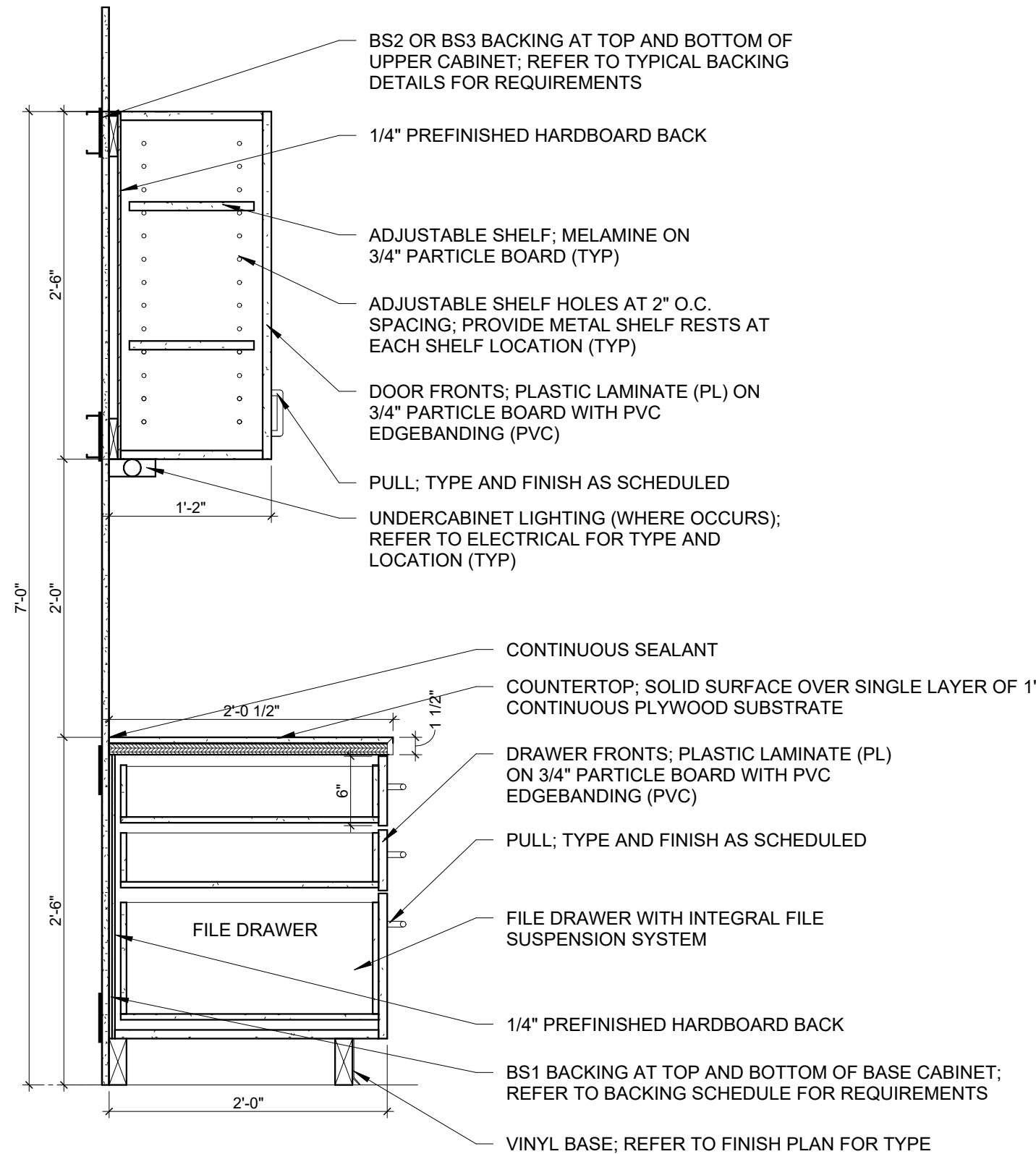
4 Base Section
Scale: 1" = 1'-0"



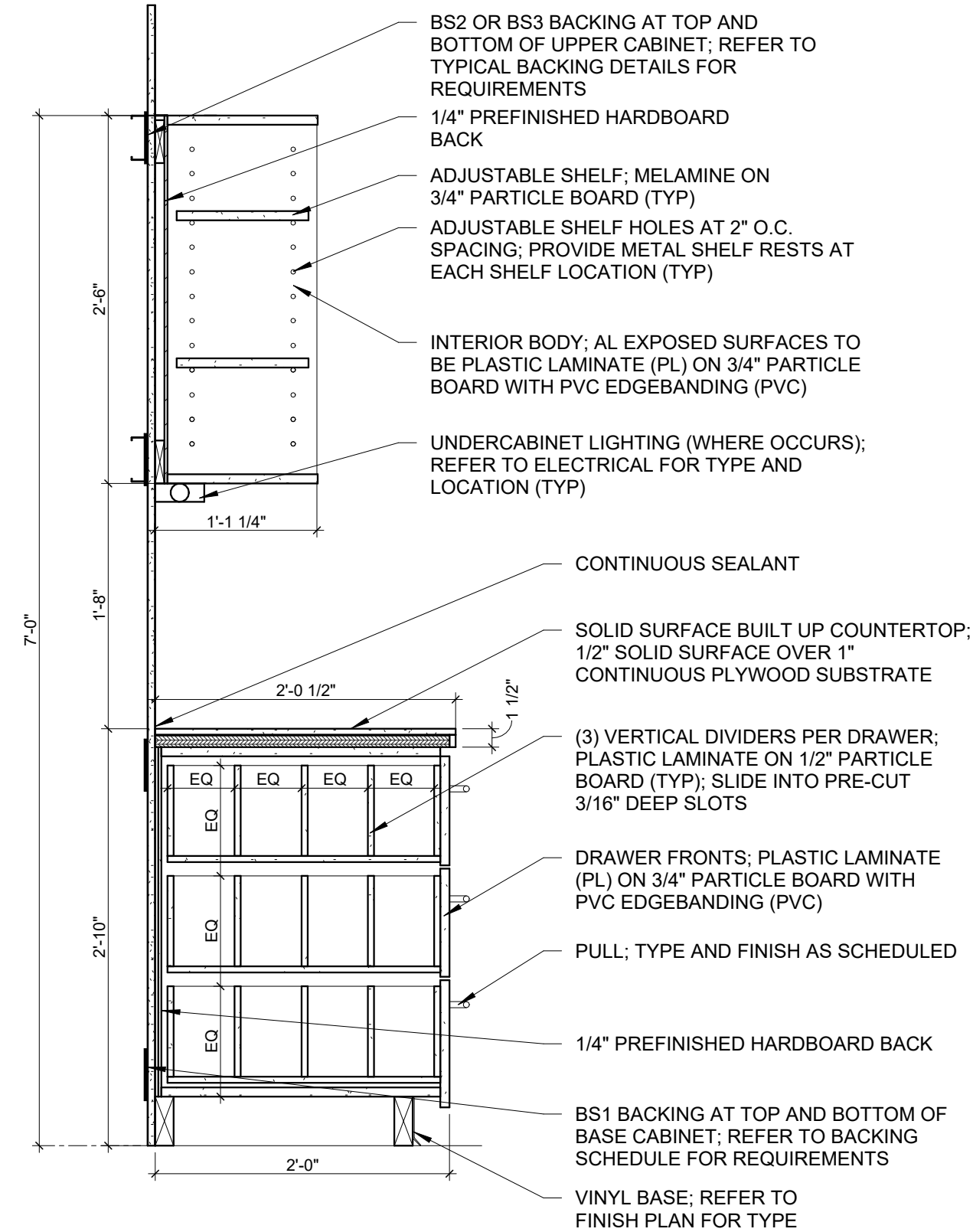
8 Plan Detail at Circulation Desk
Scale: 3" = 1'-0"



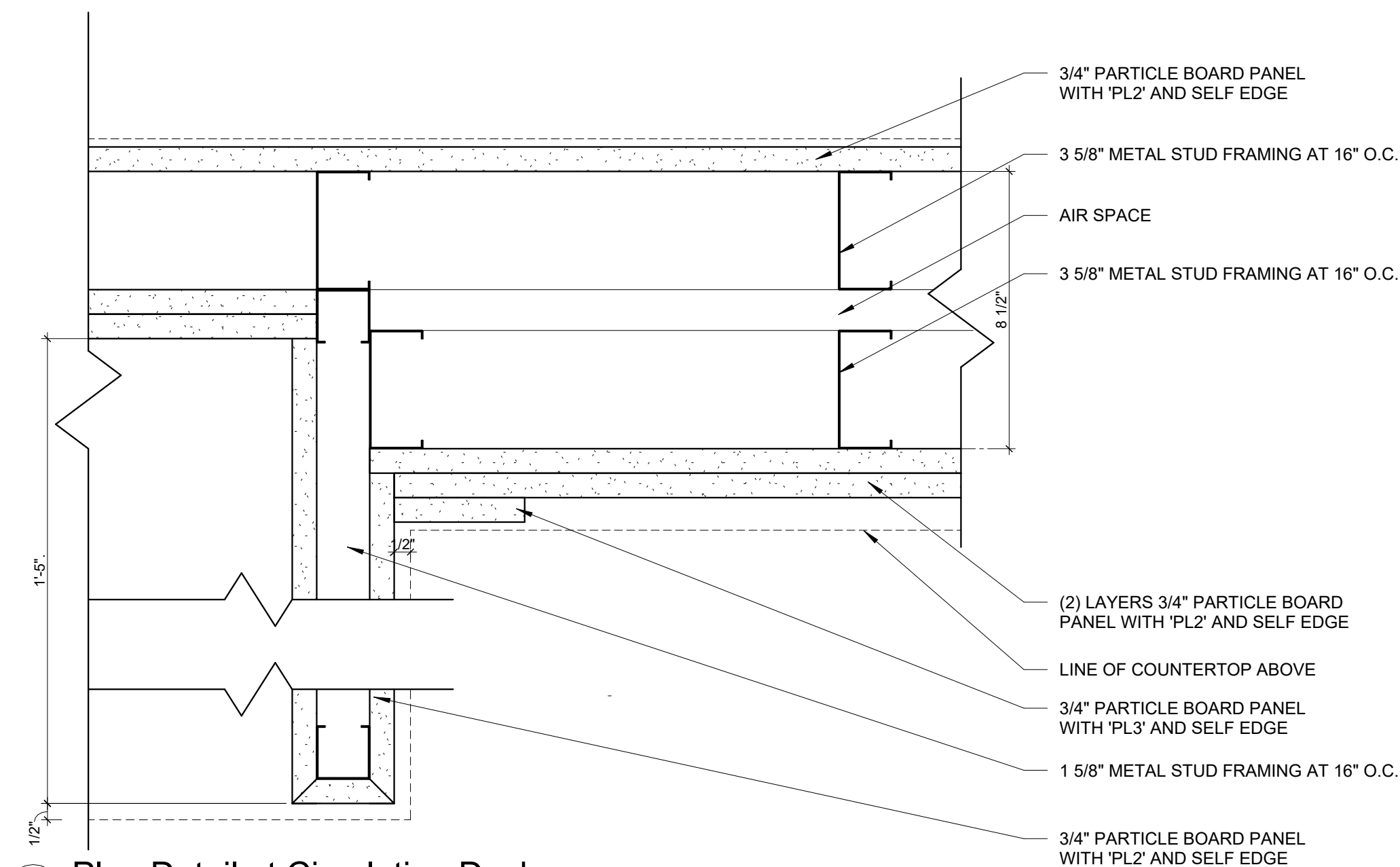
9 Plan Detail at Circulation Desk
Scale: 3" = 1'-0"



5 Base and Upper Section
Scale: 1" = 1'-0"



6 Base and Upper Section
Scale: 1" = 1'-0"

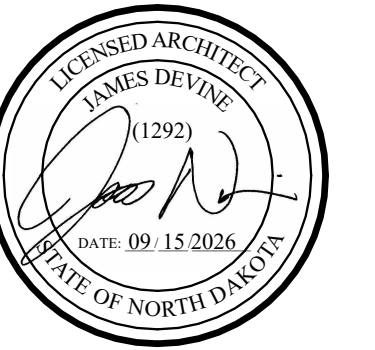


10 Plan Detail at Circulation Desk
Scale: 3" = 1'-0"

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Casework Sections & Plan Details

A803

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Main Floor
Reflected
Ceiling Plan

A901

ROOM LEGEND

GROUND FLOOR	
001	STACKS
002	STORAGE
003	CIRCULATION
004	SUPPORT
005	OFFICE
006	STORAGE
007	OFFICE
008	OFFICE
009	OFFICE
010	OFFICE

CEILING FINISH LEGEND:

CEILING TYPE	→
CEILING FINISH	→
CEILING HEIGHT	→
CEILING FINISH NOTES	→

ATC - 2X2 ACOUSTICAL TILE CEILING	WD - EXISTING WOOD CEILING
-----------------------------------	----------------------------

LIGHTING - REFER TO ELECTRICAL

HVAC REGISTERS - REFER TO MECHANICAL

CEILING FINISHES:

ATC1 - 2' X 2' X 5/8" REGULAR ACOUSTICAL TILE CEILING; USG RADAR CLIMAPLUS SLT EDGE #2220 WITH 15/16" DOWN DX/DXL EXPOSED TEE GRID

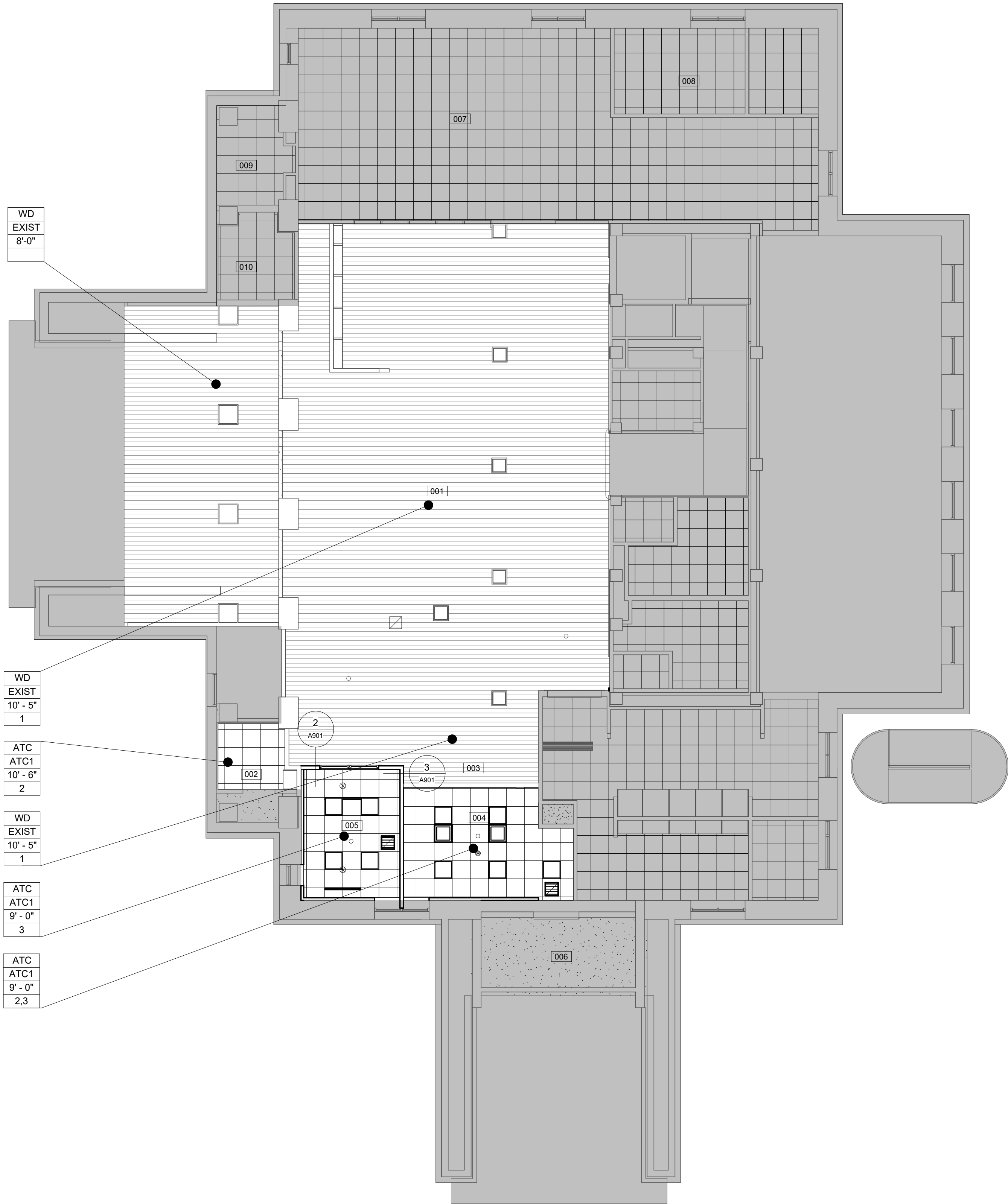
EXIST - EXISTING CEILING TO REMAIN; PROTECT FROM CONSTRUCTION ACTIVITIES

CEILING HEIGHT:

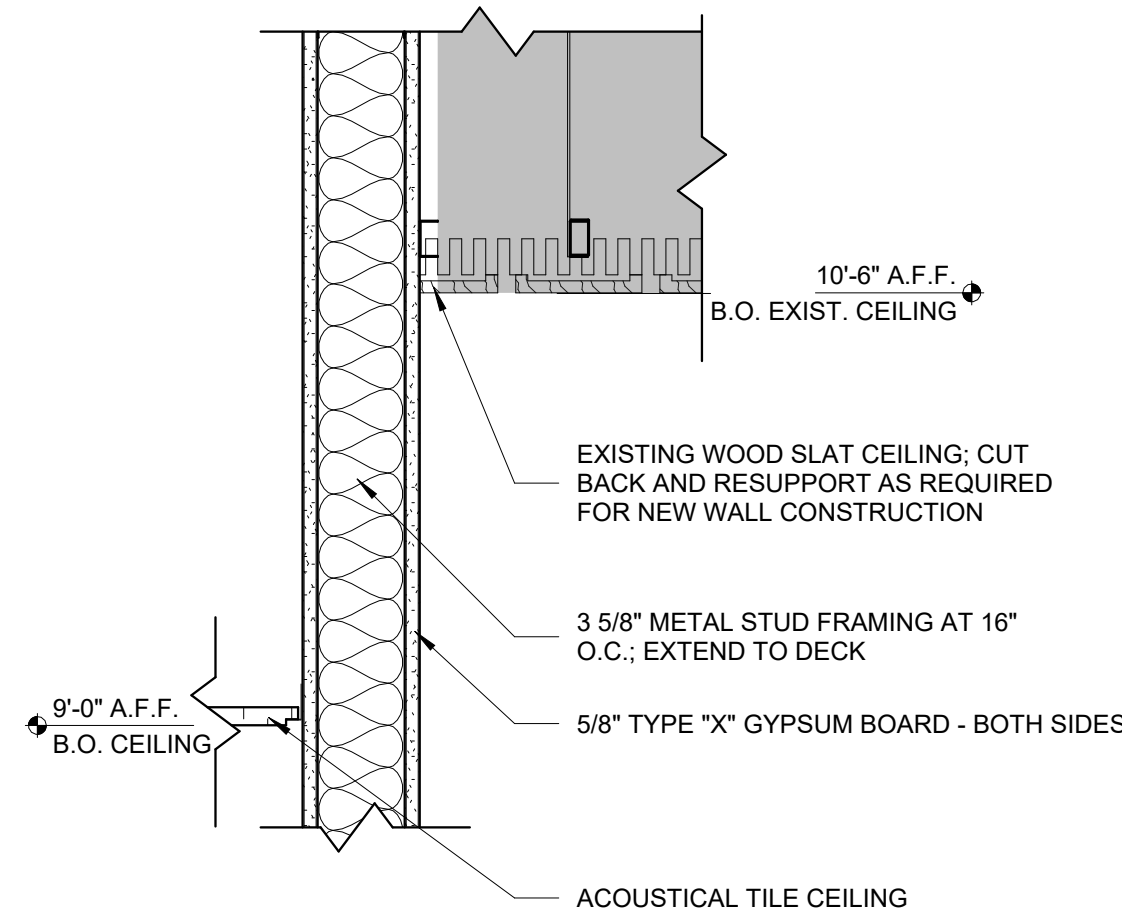
VAR - VARIES

CEILING FINISH NOTES:

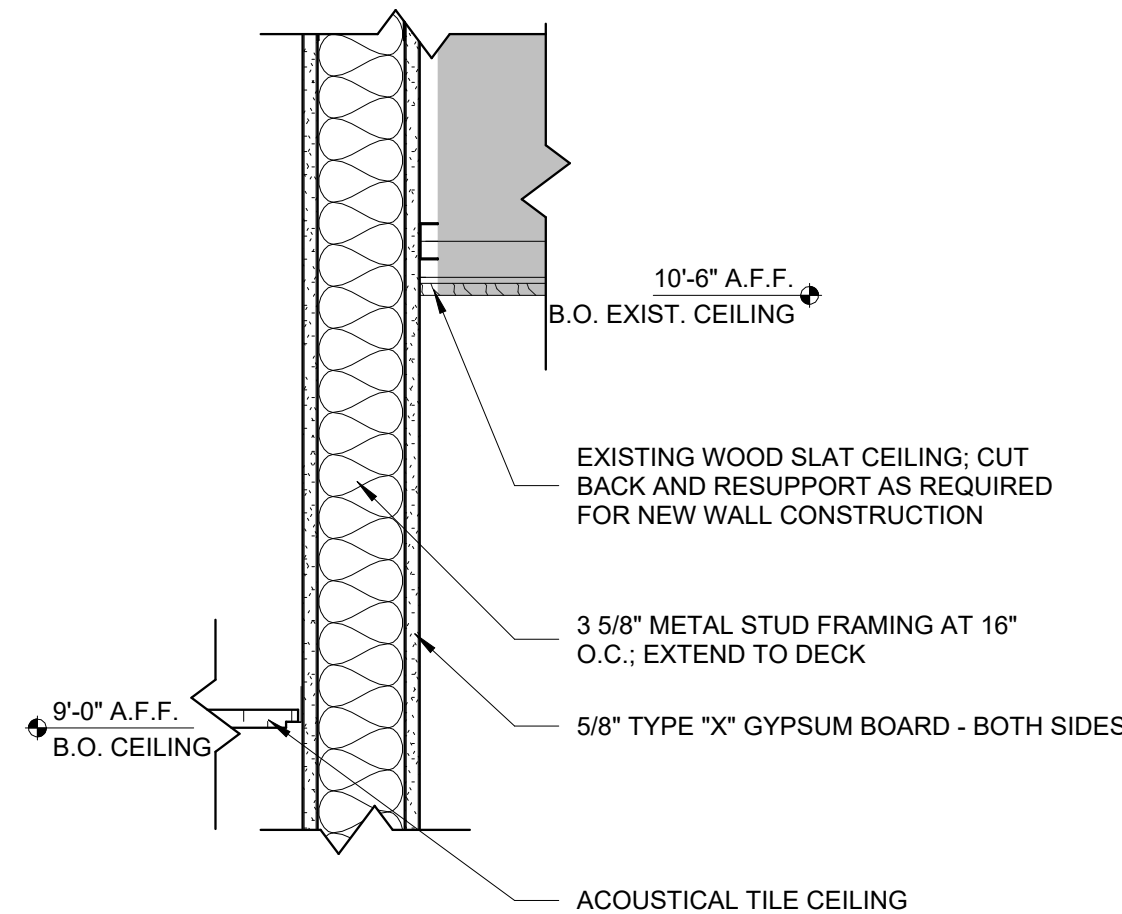
- REMOVE, MODIFY AND REINSTALL EXISTING CEILING AS REQUIRED FOR CONSTRUCTION.
- CEILING HEIGHT SHOWN IS APPROXIMATE; MATCH EXISTING CEILING HEIGHT.
- PROVIDE AXIOM TRIM AT EXTERIOR WINDOW AS REQUIRED FOR NEW CEILING HEIGHT.



1 Ground Floor Reflected Ceiling Plan
Scale: 1/8" = 1'-0"



2 Top of Wall Detail
Scale: 1 1/2" = 1'-0"



3 Top of Wall Detail
Scale: 1 1/2" = 1'-0"

DUCTING AND HVAC GENERAL NOTES	
1	THE GENERAL NOTES DESCRIBED HEREIN ARE INTENDED TO BE IN ADDITION TO THE "GENERAL NOTES" LOCATED ON SHEET M100.
2	WHERE DUCT LINER IS INDICATED, PROVIDE ACCESS DOORS ON ALL ELBOWS UPSTREAM FOR INSPECTION.
3	PROVIDE ANTI MICROBIAL LINER FOR DUCTS SERVING SHOWERS OR OTHERWISE HUMID AREAS.
4	ALL EXHAUST GRILLES INDICATED WITH A CFM IN THE TAG ARE TO HAVE BALANCING DAMPERS INSTALLED FOR ADJUSTMENT. WHERE THEY ARE NOT SHOWN, ASSUME THEY ARE LOCATED IN THE VERTICAL PORTION OF THE DUCT.
5	FIRE DAMPERS INDICATED ARE TO INCLUDE ACCESS DOORS ON THE SIDE OF DUCTWORK, OR AS REQUIRED TO MAKE DAMPER ACCESSIBLE. COORDINATE IN FIELD ACCORDINGLY.
7	NOT ALL VOLUME DAMPERS ARE CALLED OUT WITH A TAG. THE CONTRACTOR SHALL PROVIDE AT MINIMUM, A VOLUME DAMPER ANYWHERE A CFM IS DESIGNATED FOR A DIFFUSER/GRILLE/INTAKE, OR AS REQUIRED BY THE TEST & BALANCE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8	VERIFY ALL LIFE SAFETY DAMPERS AND FIRE CAULKING WITH CODE PLANS SHOWN IN THE ARCHITECTS DRAWING SET. NOTIFY ENGINEER/ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

GENERAL NOTES	
A	PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE THE DRAWING PACKAGE IS ISSUED.
B	ARRANGE WITH AUTHORITIES AND UTILITY COMPANIES FOR PERMITS, FEES AND SERVICE CONNECTIONS. VERIFY LOCATIONS AND ARRANGEMENTS AND PAY ALL CHARGES, INCLUDING INSPECTIONS.
C	THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER CONTRACTORS ON THE PROJECT AND INSTALL MECHANICAL SYSTEMS IN A MANNER WHICH WILL CONFORM TO STRUCTURE, KEEP PASSAGEWAYS AND OPENINGS CLEAR, PRESERVE HEAD ROOM, CLEAR LIGHT FIXTURES AND NOT COVER UP JUNCTION BOXES.
D	INSTALL PIPING AND DUCTWORK TO PROVIDE THE MAXIMUM CLEAR HEIGHT UNDERNEATH UNLESS OTHERWISE NOTED.
E	THE ENTIRE SYSTEM AND ITS COMPONENT ITEMS SHALL OPERATE WITHOUT OBJECTIONABLE NOISE AND VIBRATION.
F	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR DRAINS, CEILING DIFFUSERS, GRILLES AND REGISTERS.
G	THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR ALL DUCTWORK AND PIPING FOR THE INSTALLATION PRIOR TO FABRICATION.
H	THIS CONTRACTOR SHALL MAKE OFFSETS IN PIPING OR DUCTWORK TO AVOID INTERFERENCE WITH OTHER TRADES, AT NO ADDITIONAL COST TO THE OWNER, WHEN SO DIRECTED BY THE ARCHITECT/ENGINEER.
I	DUCT DIMENSIONS SHOWN ARE AIR STREAM SIZES (FREE AREA). SIZES DO NOT INCLUDE ALLOWANCE FOR DUCT INSULATION OR LINER.
J	PIPE ROUTING IS SHOWN WITH AN EXAGGERATED SPACING FOR CLARITY. ACTUAL PLACEMENT OF PIPING SHOULD BE DONE COLLECTIVELY AND IN SUCH A MANNER AS NOT TO CONFLICT WITH LOCATION SENSITIVE COMPONENTS SUCH AS LIGHT FIXTURES.
K	PROVIDE FIRE-STOP AROUND PIPE AND/OR DUCT PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS.
L	FLEXIBLE RUNOUTS TO CEILING DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED. MAXIMUM FLEX LENGTH SHALL BE 10'; PROVIDE HARD DUCT AS REQUIRED.
R	INSTALL ALL SUPPLY, RETURN, AND EXHAUST AIR GRILLS/DIFFUSERS A MINIMUM OF 3' FROM ALL SMOKE/HEAT DETECTION DEVICES

GRD GENERAL NOTES	
1	SEE ALL OTHER DRAWING SHEETS AND DISCIPLINES WITHIN THE DRAWING SET. AS WELL AS FIELD VERIFIED CONSTRUCTION CONDITIONS, FOR INFORMATION ON OTHER ELEMENTS IN THE CEILING GRID. GRILLES, REGISTERS AND DIFFUSERS WERE COORDINATED WITH THESE OTHER SETS, BUT UNFORESEEN CONSTRUCTION CONFLICTS CAN CAUSE GRD ELEMENTS TO BE MOVED. COORDINATE CLOSELY WITH OTHER TRADES AS REQUIRED. AS NO ALLOWANCE SHALL BE MADE FOR RELOCATION OF GRD DUE TO LACK OF CONTRACTOR COORDINATION WITH OTHER DISCIPLINE ELEMENTS.
2	FLEX DUCT SHALL BE NO LONGER THAN 8' IN LENGTH (PROVIDE HARD DUCT AS REQUIRED), AND CONTAIN ZERO (0) 180° BENDS. CONTACT THIS ENGINEER IF FLEX LENGTH NEEDS TO INCREASE IN SPECIAL CIRCUMSTANCES PRIOR TO INSTALLATION.
3	INSTALL SECTIONING BAFFLES IN DIFFUSERS LOCATED WITHIN HALLWAYS WITH EXTERIOR EXPOSURE TO WASH WALLS AND WINDOWS.

FIRE SUPPRESSION NOTES	
A	DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL ASSOCIATED PIPING AND EQUIPMENT LOCATIONS TO AVOID INTERFERENCES.
B	DIVISION 21 CONTRACTOR SHALL REMOVE AND RELOCATE ALL PIPING AND EQUIPMENT WHICH INTERFERES WITH THE WORK OF OTHER TRADES AT THIS CONTRACTOR'S SOLE EXPENSE IF THIS CONTRACTOR'S WORK IS NOT COORDINATED PRIOR TO THE BEGINNING OF THE WORK.
C	SPRINKLER CONTROL VALVES SHALL BE PROVIDED WITH VALVE SUPERVISORY SWITCHES.
D	ELECTRICAL DEVICES FOR THE FIRE PROTECTION SYSTEM SHALL BE COMPATIBLE WITH THE FIRE ALARM SYSTEM.
E	PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED BACK THROUGH THE DRAIN VALVES IN ACCORDANCE WITH NFPA 13.
F	DESIGN ALL STORAGE ROOM FOR ORDINARY HAZARD.
G	OBTAIN SIGNED CERTIFIED TEST RESULTS FOR RECORD OF ALL ACCEPTANCE TESTS AS REQUIRED BY NFPA 13 FOR THE INSTALLED SPRINKLER SYSTEM. THE TEST RESULTS SHALL BE REPORTED UTILIZING NFPA STANDARD FORMS.
H	REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, CEILING HEIGHTS, LOCATION OF PARTITIONS, ETC.
I	PROVIDE SPRINKLERS IN EACH AREA OF THE SAME TYPE AND DEPTH.
J	INSTALL SPRINKLERS IN ROWS PERPENDICULAR AND/OR PARALLEL TO OTHER ELEMENTS SUCH AS LIGHTS, SOFFITS, CEILING TILE, WALL, ETC. UNLESS NOTED OTHERWISE.
K	SPRINKLER LOCATIONS IN EACH SPACE SHALL BE SYMMETRICAL IN SPACE AND SYMMETRICALLY LOCATED RELATIVE TO LIGHTS, DIFFUSERS, ETC. WHERE POSSIBLE ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF 2x2 CEILING TILES.
M	SEE RESPECTIVE MECHANICAL FLOOR PLANS FOR COORDINATION AND LOCATION OF SYSTEM COMPONENTS.
N	USE UPRIGHT HEADS IN ROOMS WITH UNFINISHED CEILINGS.
P	ROUTE ALL PIPING PARALLEL TO BUILDING LINES.
Q	PROVIDE PIPE ESCUTCHEONS AROUND ALL PIPING PASSING THROUGH EXPOSED WALLS. ESCUTCHEONS TO BE THE SAME COLOR AS THE PIPE OR SURROUNDING WALL SURFACE.
R	SPRINKLER HEADS AND PIPING TO BE LOCATED SO THEY DO NOT PASS OVER SWITCHGEAR AND PANELBOARDS.
S	THE DIVISION 21 CONTRACTOR SHALL ENSURE FIRE PROTECTION IS MAINTAINED IN OCCUPIED AREAS ACCORDING TO THE PHASING PLAN SHOWN ON THE ARCHITECTURAL DRAWINGS DURING THE COURSE OF CONSTRUCTION.

ATC GENERAL NOTES	
1	VERIFY ALL CONSTRUCTION CONDITIONS WITH THIS AND THE ARCHITECTS PLAN SET. WIRELESS ROOM SENSORS ONLY ACCEPTABLE IN CIRCUMSTANCES WHERE CONSTRUCTION LIMITS THE ABILITY TO RUN CONCEALED WIRING.
2	PRIOR TO INSTALLING TEMPERATURE CONTROL DEVICES, VERIFY ROOM LAYOUT WITH THE MOST CURRENT ARCHITECTURAL FURNITURE PLAN. MAKE ADJUSTMENTS ACCORDINGLY. DO NOT INSTALL SENSORS NEAR SOURCES OF HEAT LIKE REFRIGERATORS OR COPIERS.
3	INSTALL ROOM AND BUILDING PRESSURE MONITORS IN A LOCATION APPROVED BY THE OWNER AND ENGINEER.
	ALL EXPOSED WALL SENSORS OR WALL PLATE SENSORS AND MISCELLANEOUS ACCESSORIES IN SECURE AREAS WITH ANY EXPOSED FASTENERS, SHALL BE OF A SECURITY OR TAMPER RESISTANT TYPE OF A DRIVE STYLE THAT THE OWNER CHOOSES SO THAT ALL DRIVE TYPES ARE THE SAME THROUGHT THE FACILITY.

HVAC LEGEND	
	POSITIVE PRESSURE DUCT
	NEGATIVE PRESSURE DUCT
	MANUAL DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	COMB. SMOKE/FIRE DAMPER
	BACK DRAFT DAMPER
	ACCESS DOOR
	ELBOW WITH TURNING VANES
	HI-EFFICIENCY TAKEOFF (W/ VOLUME DAMPER)
	FLEXIBLE DUCT
	CONNECT TO EXISTING
SPRINKLER HEAD LEGEND	
	UPRIGHT HEAD
	PENDENT HEAD
	CONCEALED PENDENT HEAD
	RECESSED HEAD
	UPRIGHT HEAD W/ GUARD
	PENDENT HEAD W/ GUARD
	DRY PENDENT

PIPING VALVE & ACCESSORY LEGEND	
	BALL VALVE
	BALL VALVE
	BALL VALVE INDICATOR
	BUTTERFLY VALVE
	GATE VALVE
	VENTURI
	CHECK VALVE
	2-WAY HYDRONIC CONTROL VALVE
	2-WAY DOMESTIC CONTROL VALVE
	3-WAY CONTROL VALVE
	DRAIN VALVE
	STRAINER
	MANUAL AIR VENT
	AUTO AIR VENT
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	SENSOR
	CIRCUIT SOLVER
	UNION
LINE TYPE LEGEND	
	EXISTING
	NEW
	REMOVE
	HIDDEN
	MATCHLINE

PIPING LEGEND	
	ABOVEGROUND WASTE
	UNDERGROUND WASTE
	VENT
	RAIN CONDUCTOR
	DOMESTIC COLD WATER
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER
	RECIRC HOT WATER
	RECIRC HOT WATER
	HIGH TEMP HOT WATER
	HIGH TEMP RHW
	HOT WATER HTG SUPPLY
	HOT WATER HTG RETURN
	HOT WATER HTG RETURN
	HEAT PUMP SUPPLY
	HEAT PUMP RETURN
	HEAT PUMP RETURN
	CONDENSATE DRAIN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CHILLED WATER RETURN
	NATURAL GAS
	PROPANE
	COMPRESSED AIR
	CONNECT TO EXISTING

STANDARD ABBREVIATIONS	
A/C	AIR CONDITIONING
AD	ACCESS DOOR
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATC	AUTOMATIC TEMPERATURE CONTROLS
BDD	BACK DRAFT DAMPER
BFF	BELOW FINISHED FLOOR
CLG	CEILING
CO	CLEAN OUT
COND	CONDENSATE DRAIN
DN	DOWN
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
FA	FRESH AIR
FBO	FURNISHED BY OTHERS
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FPC	FIRE PROTECTION CONTRACTOR
FPH	FREEZE-PROOF HYDRANT
FFM	FEET PER MINUTE
GA	GAUGE
GC	GENERAL CONTRACTOR
GRD	GRILLES, REGISTERS, DIFFUSERS
HTG	HEATING
HVAC	HEATING, VENTILATING, AND A/C
INSUL	INSULATION
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MTD	MOUNTED
N/A	NOT APPLICABLE
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
PNL	PANEL
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
REQ'D	REQUIRED
SA	SUPPLY AIR
SFD	SMOKE/FIRE DAMPER
SPEC	SPECIFICATIONS
TYP	TYPICAL
VD	VOLUME DAMPER
VT	VENT
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT

PROJECT DESIGN CONDITIONS BISMARCK, NORTH DAKOTA				
	SUMMER			WINTER
	DB	WB	DEW PT.	DB
OUTDOOR	91°F	69°F	N/A	-20°F
INDOOR	75°F	N/A	55°F	72°F

ND STATE BUILDING CODES	
(IBC)	2021 INTERNATIONAL BUILDING CODE
(IRC)	2021 INTERNATIONAL RESIDENTIAL CODE
(IMC)	2021 INTERNATIONAL MECHANICAL CODE
(IFGC)	2021 INTERNATIONAL FUEL GAS CODE
(IECC)	2021 INTERNATIONAL ENERGY CONSERVATION CODE
(IEBC)	2021 INTERNATIONAL EXISTING BUILDING CODE
(UPC)	2018 NORTH DAKOTA PLUMBING CODE

0' 2' 4' 6' 8'

SCALE: 1/4"=1'-0"

0' 4' 8' 12' 16'

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

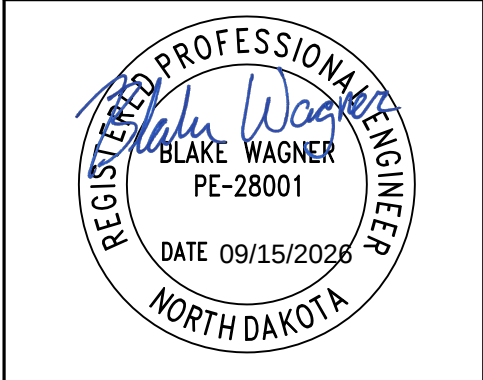
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Professional Consulting Engineers
619 Riverwood Drive, Suite 205
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tel. 701.258.3493 fax. 701.258.6857

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J2 Project No. J22525



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ND State Library Renovation

Bismarck, ND

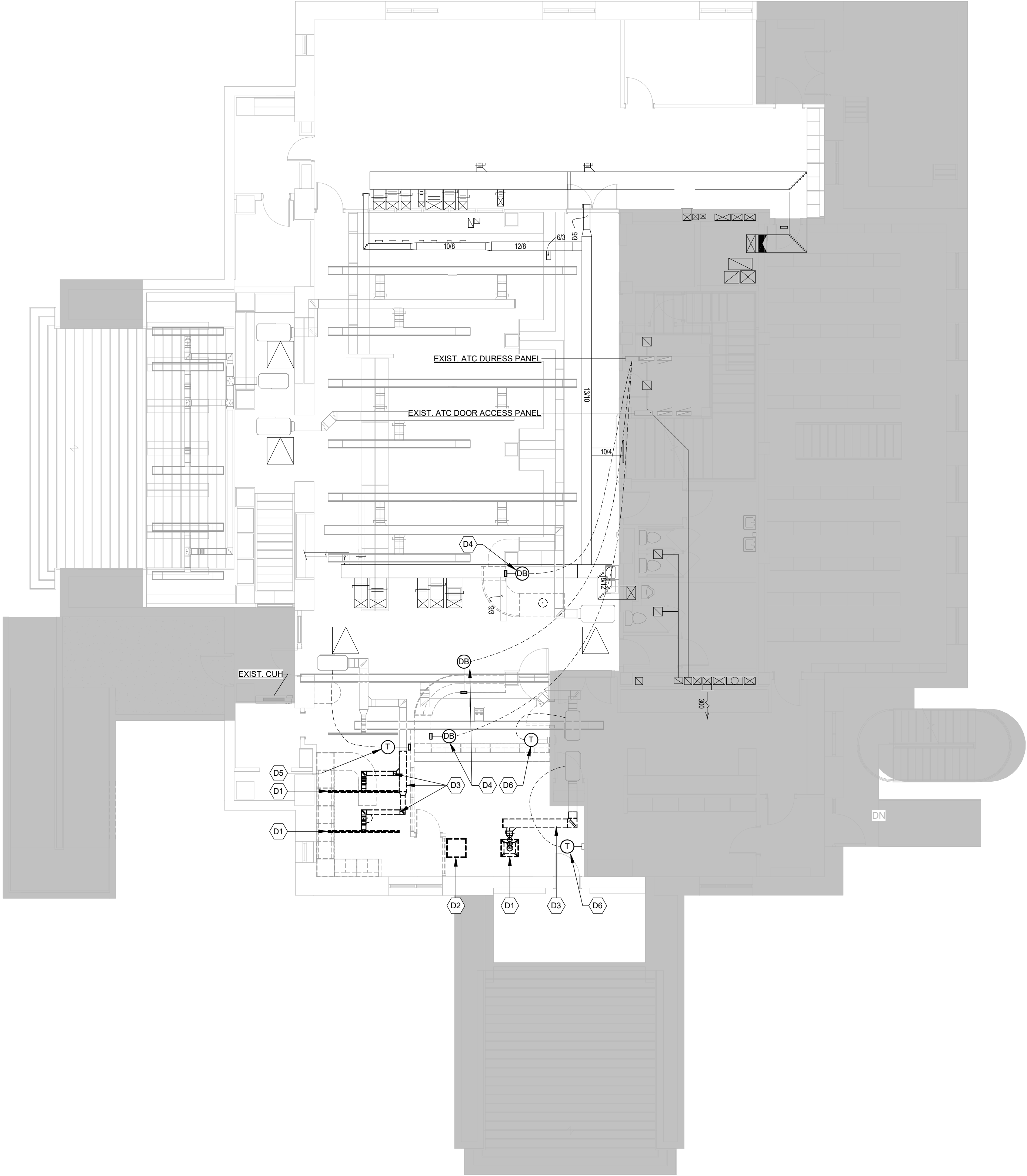
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Mechanical Reference

M100



1
M101

Ground Floor Mechanical Demolition Plan

1/8" = 1'-0"



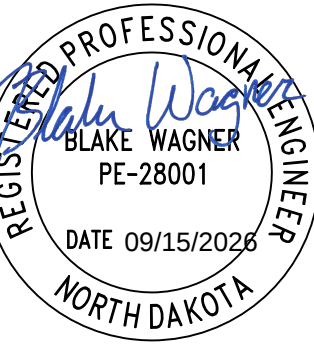
KEYNOTE LEGEND	
D1	REMOVE THE EXISTING SUPPLY DIFFUSER FOR REPLACEMENT WITH A NEW DIFFUSER AND FLEX DUCT.
D2	REMOVE THE EXISTING SUPPLY/RETURN/EXHAUST AIR GRILLE FOR REPLACEMENT WITH A NEW GRILLE.
D3	REMOVE THE EXISTING DUCTWORK FOR REPLACEMENT WITH NEW DUCTWORK. REMOVE TO A POINT NEAR THE LOCATION INDICATED ON THE PLAN ADJUST THE LOCATION AS REQUIRED TO WORK WITH THE EXISTING CONDITIONS.
D4	ATC SHALL REMOVE THE EXISTING DURESS BUTTON/SWITCH AT THIS EXISTING LOCATION FOR THE REMOVAL OF THE EXISTING CIRCULATION DESK THAT IS CURRENTLY IN PLACE. VERIFY THE EXACT LOCATION OF THE EXISTING BUTTON/SWITCH WITH ACTUAL INSTALLED CONDITIONS. THE EXISTING DURESS SYSTEM SHALL REMAIN IN PLACE FOR NEW DURESS BUTTONS AT NEW LOCATIONS.
D5	ATC SHALL REMOVE THE EXISTING ROOM TEMPERATURE SENSOR AT THIS EXISTING LOCATION FOR THE REMOVAL OF THE EXISTING WALL THAT IS CURRENTLY IN PLACE. VERIFY THE EXACT LOCATION OF THE EXISTING SENSOR WITH ACTUAL INSTALLED CONDITIONS. THE SENSOR SHALL BE STORED AND REINSTALL IF SUITABLE AT A NEW LOCATION IN CONJUNCTION WITH THE REMODELED FLOOR PLAN. SEE THE REMODELED PLANS FOR ADDITIONAL INFORMATION.
D6	THIS EXISTING TEMPERATURE SENSOR SHALL REMAIN IN PLACE IN THE EXISTING WALL. PROTECT THE SENSOR DURING CONSTRUCTION.

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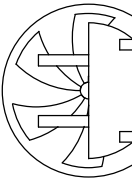
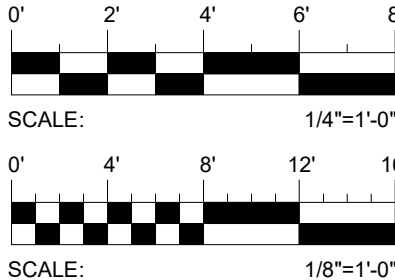
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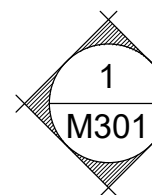
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Ground Floor Mechanical Demolition Plan

M101



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$$1/8'' = 1'-0''$$
[illegible]

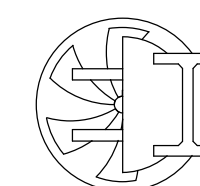
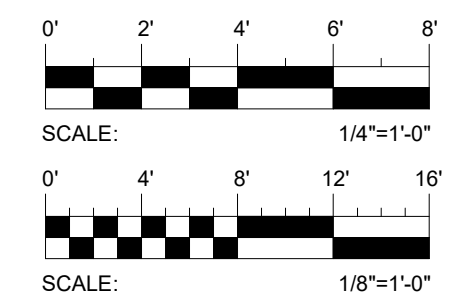
REGISTERED PROFESSIONAL ENGINEER
 BLAKE WAGNER
 PE-28001
 DATE 09/15/2026
 NORTH DAKOTA



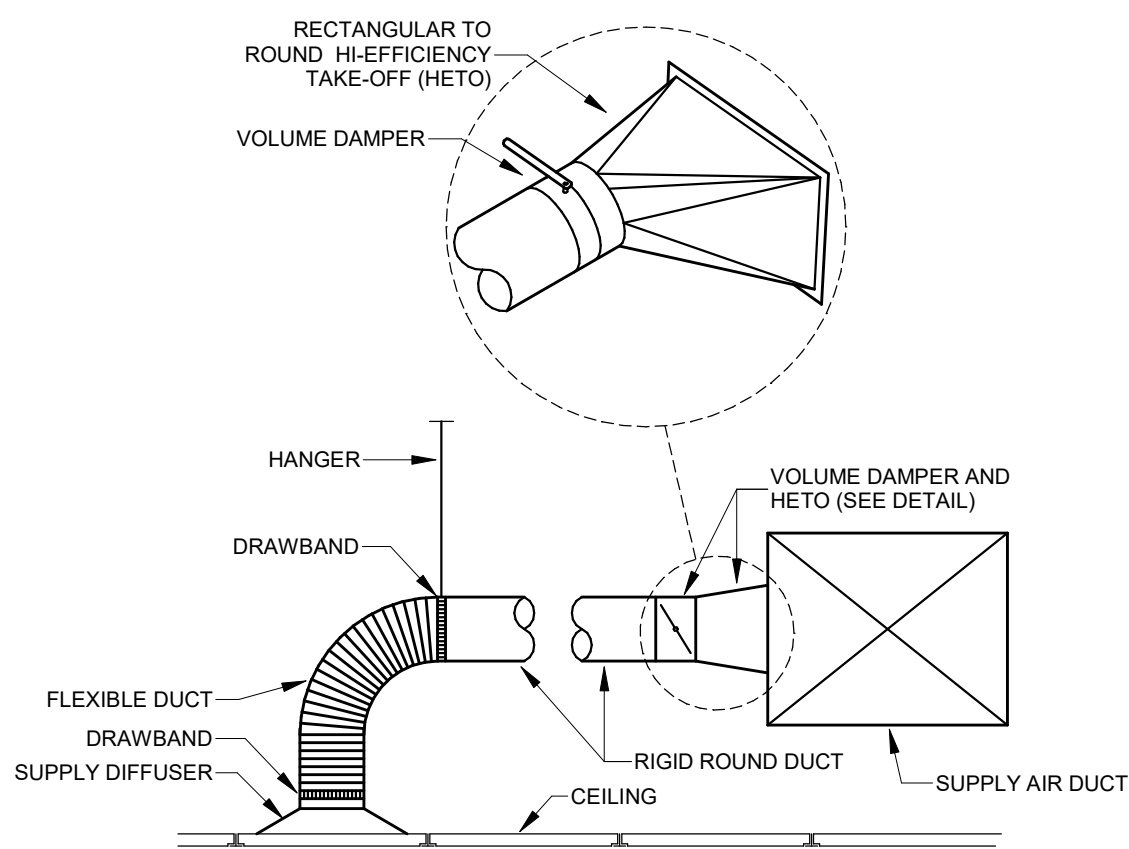
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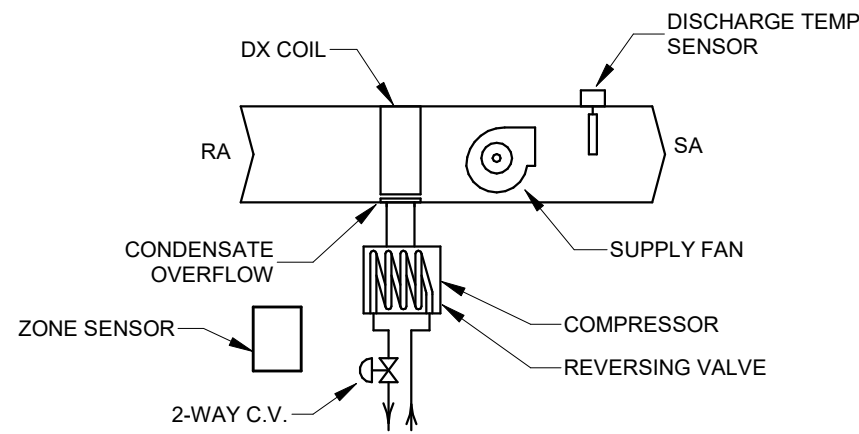
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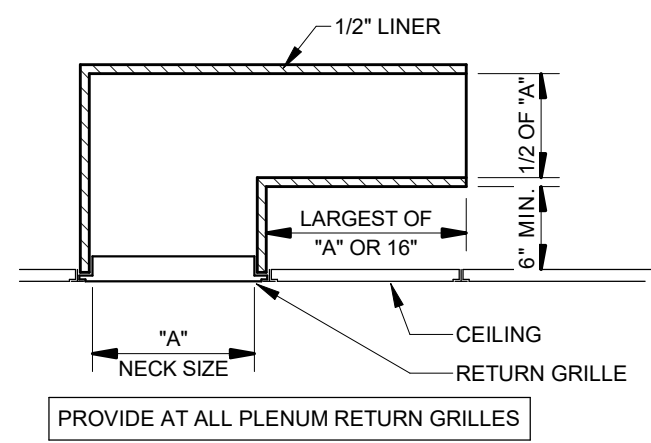
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1
M601
NTS
TYPICAL DIFFUSER CONNECTIONS



2
M601
NTS
TYPICAL DUCT MOUNTED GRILLE



3
M601
NTS
TYPICAL SOUND BOOT

POINTS LIST	
POINT NAME	POINT TYPE
SUPPLY FAN	BINARY OUT
REVERSING VALVE	BINARY OUT
H.W. 2-WAY C.V.	BINARY OUT
DISCHARGE TEMP SENSOR	ANALOG IN
ZONE SENSOR	ANALOG IN
AMBIENT TEMP SENSOR	ANALOG IN
CONDENSATE OVERFLOW	BINARY IN
COMPRESSOR	BINARY OUT

4
M601
NTS
ATC HEAT PUMP SCHEMATIC

233700 - AIR TERMINAL SCHEDULE

SCHEDULE NOTES:

- M.C. TO PROVIDE SHEET METAL TRANSITION FROM DUCT TO GRILLE AS REQUIRED.
- PLAQUE TYPE DIFFUSER
- CONE TYPE DIFFUSER
- LONG BLADE
- SHORT BLADE
- PROVIDE DAMPER
- FILTER GRILLE, FOR 2 INCH FILTERS
- ROUND DIFFUSER
- PAINT BLACK INSIDE DUCT SURFACE ABOVE REGISTER
- RECTANGULAR/SQUARE DIFFUSER/GRILLE
- HEAVY DUTY
- 45 DEGREE BLADES ANGLED UP
- EGG CRATE GRILLE
- 24"X24" FACE
- SINGLE DEFLECTION
- DOUBLE DEFLECTION
- CEILING RADIATION FIRE DAMPER, 1.5 HR RATED
- 2 SLOT, 1/2" LINEAR SLOT DIFFUSER PROVIDE W/ SDB PLENUM
- SPECIAL COLOR TO BE SELECTED FROM THE FULL COLOR LINE
- 2 SLOT, 1" LINEAR SLOT DIFFUSER PROVIDE W/SDB PLENUM

*CONTRACTOR TO VERIFY CEILING TYPES PRIOR TO ORDERING

TAG	MANUFACTURER	MODEL	FUNCTION	DIMENSIONS		FINISH	FRAME	MOUNT	NOTES
				SIZE	NECK DIAMETER				
S1	PRICE	SPD	SUPPLY	N/A	8"Ø	B12 - WHITE	N/A	LAY-IN	2,10,14,19
S2	PRICE	SDS/SDB	SUPPLY	48"	SEE DWG	B12 - WHITE	N/A	TYPE 15 T-BAR LAY-IN	19,20
R1	PRICE	530	RETURN	SEE DWG	N/A	B12 - WHITE	F	SURFACE MTD	1,4,9,10,15
R2	PRICE	530	RETURN	20"x20"	N/A	B12 - WHITE	F	LAY-IN	1,4,9,10,14,15

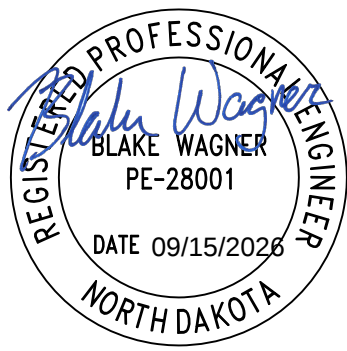
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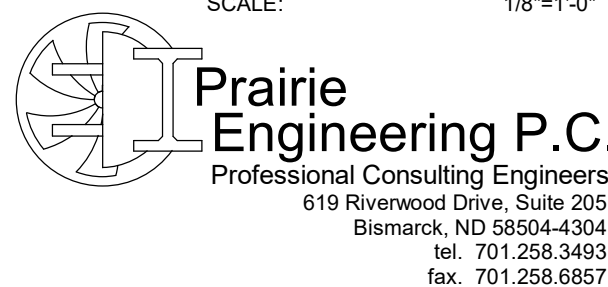
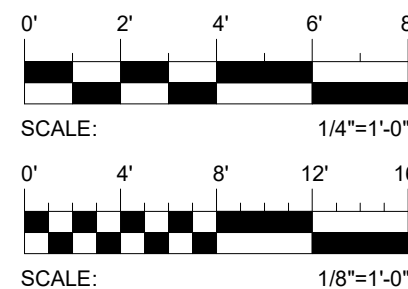
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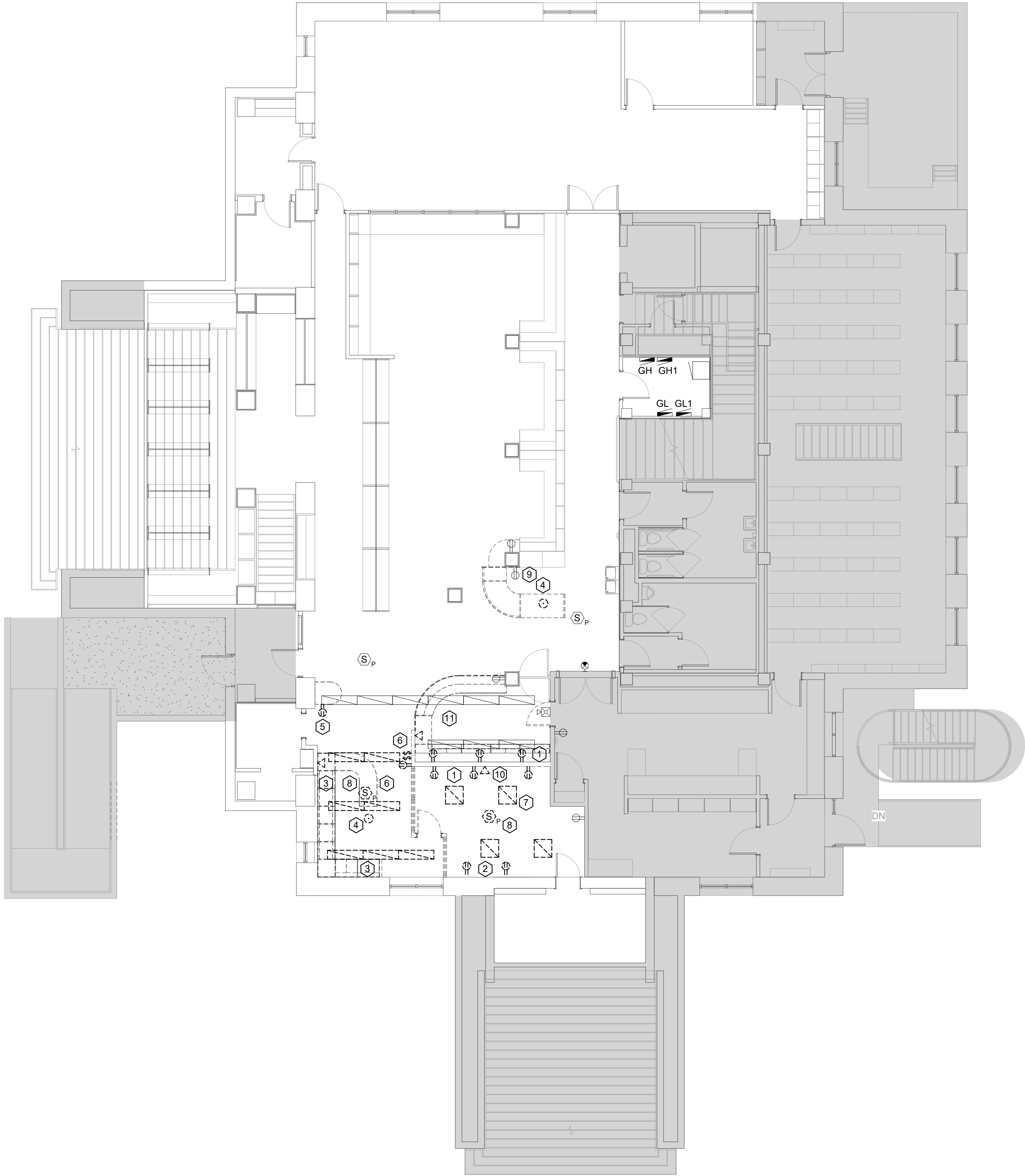
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Mechanical Schedules & Details

M601





- ELECTRICAL DEMOLITION NOTES**
- ① REMOVE EXISTING DUPLEX RECEPTACLE AND CIRCUITRY TO ALLOW NEW DOORWAY AND CASEWORK REVISIONS ALONG THIS WALL.
 - ② REMOVE EXISTING SURFACE RACEWAY SYSTEM AND DUPLEX RECEPTACLES ALONG THIS WALL.
 - ③ REMOVE EXISTING SURFACE PLUGMOLD SYSTEM ALONG THIS WALL.
 - ④ REMOVE EXISTING FLOORBOX/PEDESTAL (WITH POWER AND/OR DATA), EXISTING CIRCUITRY AND PATCH FLOOR.
 - ⑤ DISCONNECT AND REMOVE EXISTING RECEPTACLE LOCATED IN CASEWORK. RECEPTACLE MAY BE FED UP THRU FLOOR FROM BELOW. PATCH FLOOR IF REQUIRED.
 - ⑥ DISCONNECT AND REMOVE EXISTING LIGHT SWITCHES.
 - ⑦ DISCONNECT REMOVE EXISTING LIGHT FIXTURES WITHIN THIS AREA TO ALLOW CEILING REMOVAL.
 - ⑧ SALVAGE EXISTING FIRE ALARM SYSTEM DEVICE FOR RE-INSTALLATION.
 - ⑨ EXISTING DUPLEX RECEPTACLE TO REMAIN.
 - ⑩ REMOVE EXISTING TELECOMMUNICATIONS OUTLET. REMOVE EXISTING SURFACE WIREMOLD WHERE INSTALLED. EXISTING CABLING SHALL BE COILED AT CEILING WITH MODULAR JACKS INTACT FOR FUTURE USE. EACH CABLE SHALL BE LABELED WITH TERMINATION TERMINAL NUMBER, OUTLET NUMBER AND JACK NUMBER AS IDENTIFIED ON THE EXISTING FACEPLATE. NOTE ALL CABLE LOCATIONS, QUANTITIES, AND LABEL INFORMATION ON AS-BUILT DEMOLITION DRAWING TO BE TURNED OVER TO THE OWNER'S IT STAFF FOR USE IN RE-INSTALLING CABLES. TYPICAL.
 - ⑪ EXISTING LIGHTING AND CONTROLS TO REMAIN IN THIS AREA.

1 GROUND FLOOR - ELECTRICAL DEMOLITION PLAN
Scale: 1/8" = 1'-0"

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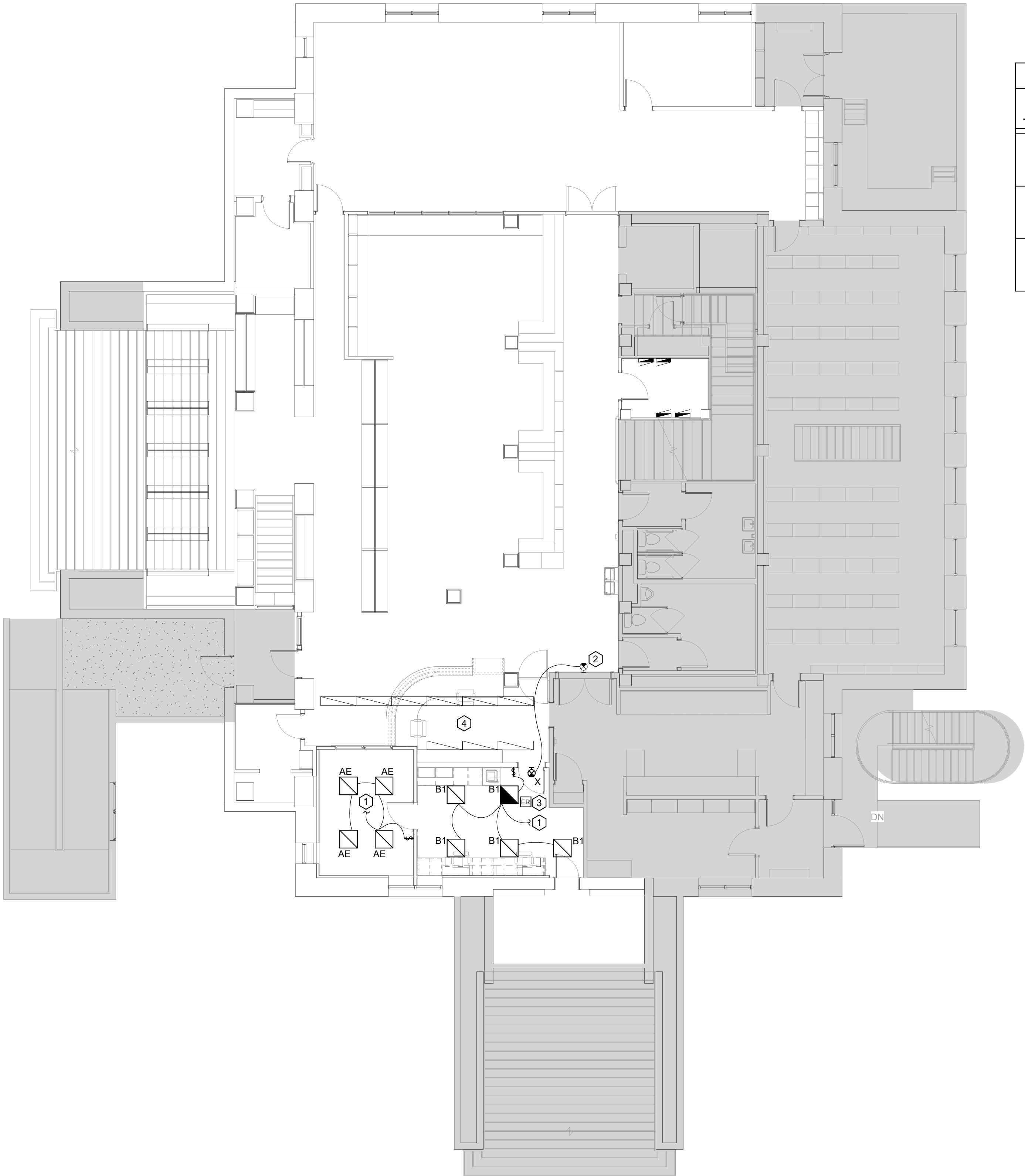


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GROUND FLOOR - ELECTRICAL DEMOLITION PLAN

E101



LIGHT FIXTURE SCHEDULE									
TYPE	MANUFACTURER CATALOG INFORMATION	LED DATA		LED DRIVER DATA		INPUT WATTS	VOLTAGE	MOUNTING	FIXTURE DESCRIPTION
		COLOR TEMP	LUMEN OUTPUT	NO.	TYPE				
AE	SALVAGED 2' X 2' LED FLAT PANEL	4000K	EXTG	1	10% 0-10V DIMMING	EXTG	120	LAY-IN/ RECESSED	2'x2' LED LAY-IN LUMINOUS FLAT PANEL. WHITE ALUMINUM BEZEL. WHITE SATIN LENS. PROVIDE T-BAR CLIPS COMPATIBLE SPECIFIED CEILING GRID TYPE, EITHER 15/16" OR 9/16". SWITCHABLE COLOR TEMP AND OUTPUT - SET TO SETTINGS INDICATED.
B1	LITHONIA No. CPX 2X2 AL07 SWW7 M4 OR EQUAL BY COLUMBIA, DAYBRITE, METALUX OR WILLIAMS.	4000K	M - 3650	1	10% 0-10V DIMMING	28	120	LAY-IN/ RECESSED	2'x2' LED LAY-IN LUMINOUS FLAT PANEL. WHITE ALUMINUM BEZEL. WHITE SATIN LENS. PROVIDE T-BAR CLIPS COMPATIBLE SPECIFIED CEILING GRID TYPE, EITHER 15/16" OR 9/16". SWITCHABLE COLOR TEMP AND OUTPUT - SET TO SETTINGS INDICATED.
X	LITHONIA No. LQM S W RG MVOLTM6 OR EQUAL BY DUAL LITE, EMERGI LITE, SURE LITE, LSI, OR LIGHT ALARMS	RED	--	1	ELECTRONIC DRIVER	2	120/277	SURFACE WALL OR CEILING	THERMOPLASTIC LED EXIT SIGN WITH REMOVABLE CHEVRONS. DUAL OR SINGLE SIDED UNIVERSAL MOUNT. SELECTABLE GREEN/RED LETTERS. COLOR SELECTED BY ARCHITECT. AC POWERED ONLY.

LIGHTING INSTALLATION NOTES

- RECONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA AND PROVIDE REVISED LIGHTING CONTROL AS SHOWN.
- CONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT AT EXISTING EXIT SIGN OR NEAREST ACCESSIBLE J-BOX.. FIELD VERIFY LOCATION.
- PROVIDE UL 924 EMERGENCY LIGHTING RELAY TO TURN ON ONE TYPE B1 LIGHT FIXTURE UPON LOSS OF POWER. PROVIDE CONNECTIONS TO NORMAL, SWITCHED, AND EMERGENCY POWER AS REQUIRED.
- EXISTING LIGHTING AND CONTROLS TO REMAIN IN THIS AREA.

1 GROUND FLOOR - LIGHTING PLAN
Scale: 1/8" = 1'-0"

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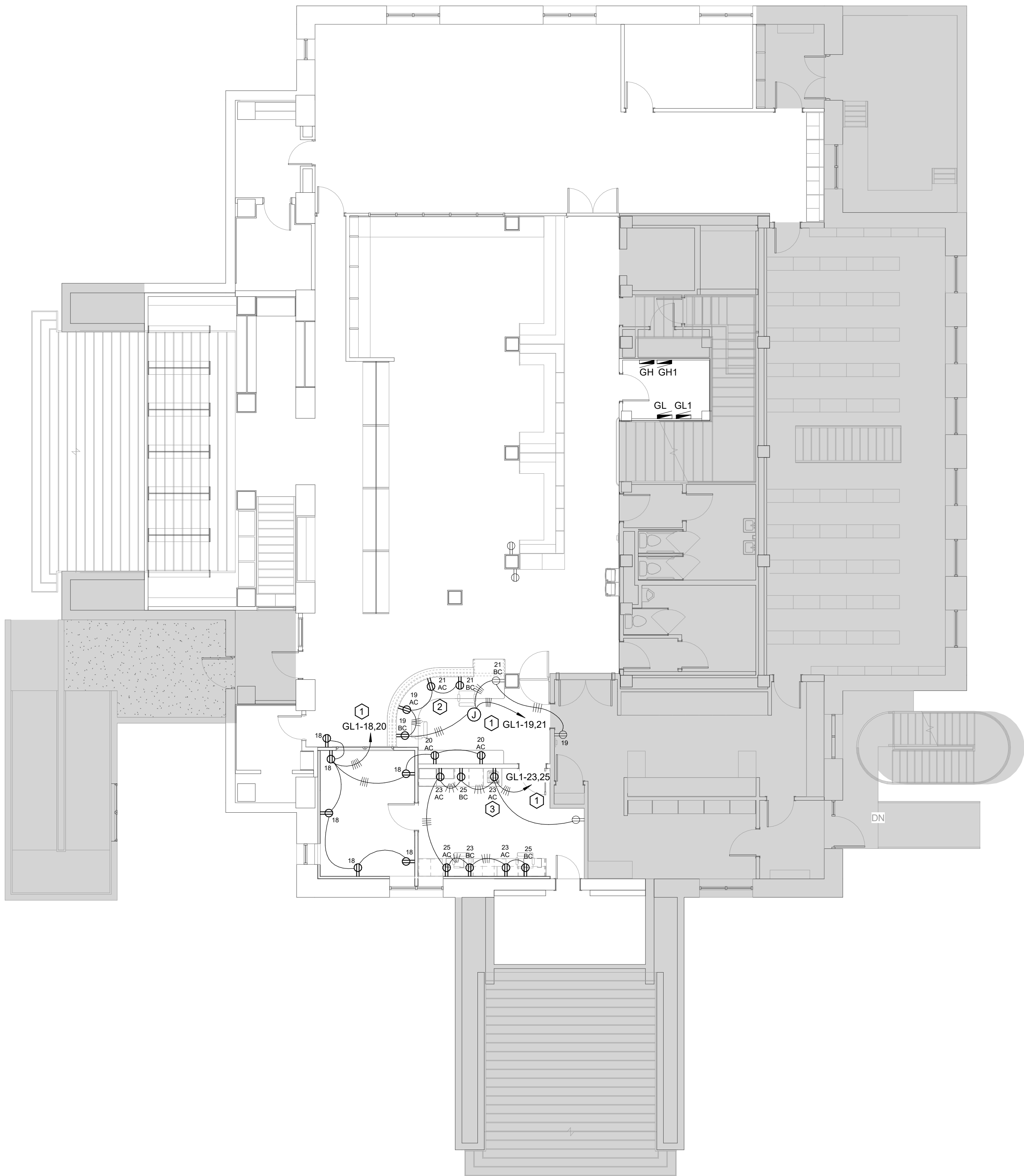
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GROUND FLOOR -
LIGHTING
PLAN

E201



- POWER INSTALLATION NOTES**
- ① RECONNECT TO EXISTING DUPLEX RECEPTACLE CIRCUITS CURRENTLY SERVING THIS AREA.
 - ② INSTALL RECEPTACLES WITHIN NEW CASEWORK. FIELD VERIFY INSTALLATION LOCATION WITH OWNER. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
 - ③ REFER TO CASEWORK ELEVATIONS TO COORDINATE RECEPTACLE HEIGHTS IN THIS ROOM. PRINTER CASEWORK IS LOWER THAN ADJACENT COUNTER HEIGHTS.

1 GROUND FLOOR - POWER PLAN
Scale: 1/8" = 1'-0"

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Bismarck, ND

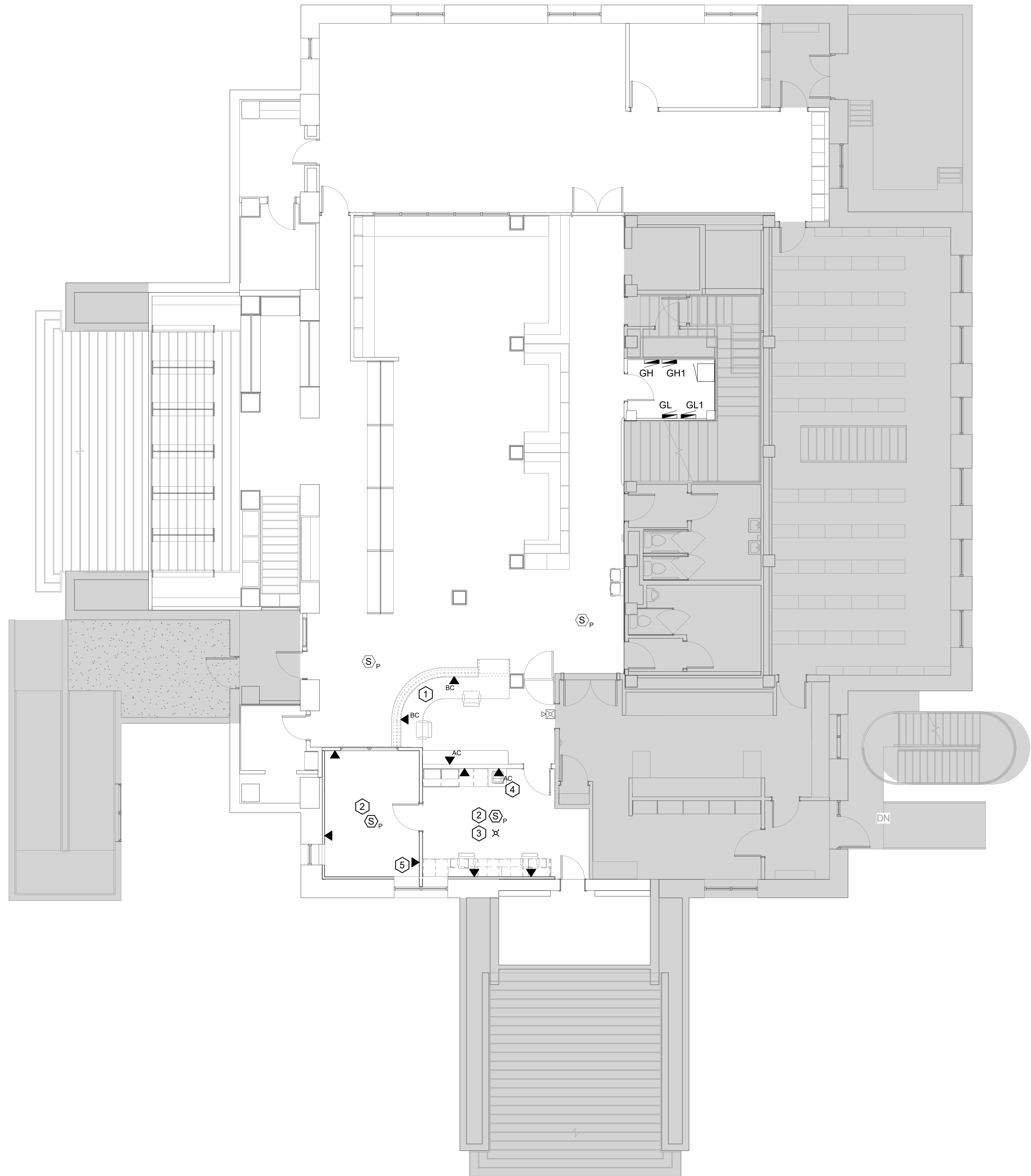


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GROUND FLOOR - POWER PLAN

E301



1 GROUND FLOOR - SYSTEMS PLAN
Scale: 1/8" = 1'-0"

SYSTEMS INSTALLATION NOTES

- 1 PROVIDE TWO 1" CONDUITS DOWN WALL AND INTO NEW BUILT IN CASEWORK FOR TELECOM OUTLETS. PROVIDE 4" SQUARE, 3-1/2" DEEP J-BOX WITH SINGLE GANG RING FOR ROUGH-INS FOR TELECOM OUTLET LOCATIONS. FIELD VERIFY INSTALLATION LOCATION AND INSTALLATION REQUIREMENTS WITH GENERAL CONTRACTOR. CABLING BY OWNER.
- 2 RE-INSTALL SALVAGED FIRE ALARM SYSTEM SMOKE DETECTORS. RECONNECT TO EXISTING CIRCUITRY. RE-TEST SYSTEM FOR PROPER OPERATION.
- 3 PROVIDE NEW CEILING MOUNTED FIRE ALARM SYSTEM STROBE LIGHT AND EXTEND NEW CIRCUITRY AS REQUIRED.
- 4 REFER TO ARCHITECTURAL CASEWORK ELEVATION FOR PRINTER COUNTER HEIGHT. INSTALL ROUGH-IN 6" ABOVE COUNTER.
- 5 PROVIDE 4" SQUARE, 3-1/2" DEEP JUNCTION BOX WITH SINGLE GANG MUD RING WITH A 1" CONDUIT STUBBED TO ABOVE CEILING WITH AN INSULATED BUSHING FOR TELECOM OUTLET LOCATION. CABLING BY OWNER. TYPICAL OF ALL.

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GROUND FLOOR - SYSTEMS PLAN

E401

