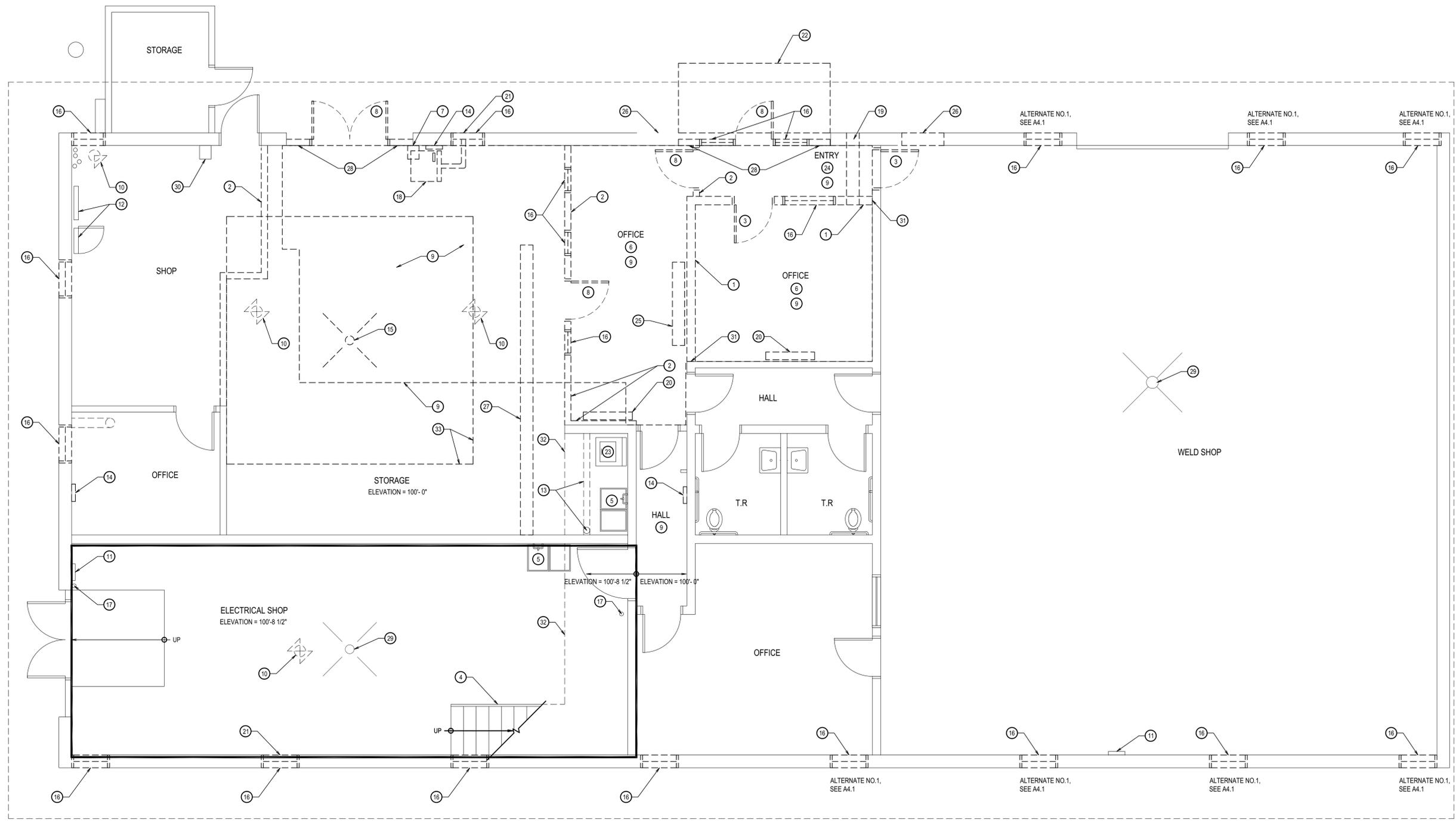


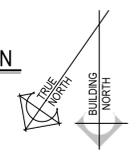
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 State of Idaho



MAIN FLOOR DEMOLITION PLAN

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



GENERAL NOTES

- | | |
|---|--|
| <ol style="list-style-type: none"> SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK. SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL CEILING PENETRATIONS AND MECHANICAL WORK. SEE PLUMBING DRAWINGS FOR ALL PLUMBING WORK. RESOLVE ALL DISCREPANCIES WITH ARCHITECT PRIOR TO DEMOLITION. ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD. GENERAL CONTRACTOR IS REQUIRED TO PATCH AND REPAIR (WHETHER SO NOTED OR NOT) ALL EXISTING SURFACE AREAS AS REQUIRED BY DEMOLITION AND/OR TO COORDINATE SUCH REPAIR WORK WITH SUB-CONTRACTORS. PROTECT EXISTING EXTERIOR CONCRETE / ASPHALT FROM DAMAGE | <ol style="list-style-type: none"> DURING CONSTRUCTION, REPLACE DAMAGED MATERIALS TO MATCH EXISTING. PROTECT ALL EXISTING-TO-REMAIN ITEMS (WHETHER SO NOTED OR NOT) AND PROTECT ITEMS TO BE REMOVED AND REINSTALLED. REPAIR/REPLACE THESE ITEMS IF DAMAGED DURING CONSTRUCTION. ALL ITEMS NOTED TO BE REMOVED / REPLACED INCLUDING ALL DEMOLISHED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE AND BE DISPOSED OF AS PER CURRENT CODES, LAWS AND REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY (EPA). REMOVE EXISTING LIGHT FIXTURES COMPLETE AND RE-INSTALL NEW LIGHT FIXTURES PER ELECTRICAL DRAWINGS. |
|---|--|

KEYNOTES

- | | | |
|---|---|--|
| <ol style="list-style-type: none"> REMOVE EXISTING CMU WALL AS REQUIRED FOR NEW CONSTRUCTION. REMOVE EXISTING WOOD STUD WALL. REMOVE EXISTING WOOD DOOR & FRAME. EXISTING WOOD STAIRS TO REMAIN EXISTING SINK TO REMAIN REMOVE CARPET AND BASE INCLUDING ALL ADHESIVES. REMOVE EXISTING COMPRESSED AIR REMOVE EXISTING H.M. DOOR AND FRAME GRIND AND PREP CONCRETE FLOOR TO RECEIVE NEW FINISHES EXISTING UNIT HEATER TO REMAIN EXISTING ELECTRICAL PANEL TO REMAIN EXISTING DATA PANEL TO REMAIN | <ol style="list-style-type: none"> EXISTING STEEL COLUMN AND WOOD BEAM TO REMAIN REMOVE EXISTING ELECTRICAL PANEL REMOVE EXISTING FLOOR DRAIN REMOVE WINDOW EXISTING FIRE EXTINGUISHER TO REMAIN UNINSTALL DRYER / WASHER AND STORE FOR RE-INSTALLATION IN NEW LOCATION REMOVE MECHANICAL DUCT UNINSTALL WALL MOUNTED ELECTRICAL HEATING AND COOLING UNIT AND SAVE FOR RE-INSTALLATION IN NEW LOCATION UNINSTALL AIR CONDITIONING UNIT AND RETURN TO OWNER REMOVE CANOPY ABOVE EXISTING DRYER / WASHER TO REMAIN | <ol style="list-style-type: none"> REMOVE VCT TILE AND BASE INCLUDING ALL ADHESIVES. UNINSTALL TIME CLOCK MACHINE AND LOCKABLE KEY CABINET. STORE FOR RE-INSTALLATION IN NEW LOCATION SAW CUT NEW OPENING IN CMU WALL TO ACCOMMODATE NEW HEADER AND DOOR. CUT BACK ANY RE-BAR AS REQUIRED. GRIND SMOOTH. SAW CUT CONCRETE SLAB. SEE PLUMBING DRAWINGS REMOVE EXISTING DOOR SURROUND EXISTING FLOOR DRAIN TO REMAIN EXISTING COMPRESSED AIR TO REMAIN GRIND SMOOTH EXISTING CMU WALL/ CONCRETE FLOOR WHERE ABUTTING CMU WALL HAS BEEN REMOVED, TYPICAL. LINE OF EXISTING MEZZANINE ABOVE EXISTING CONCRETE FLOOR SLOPED TO DRAIN. INSTALL SELF-LEVELING FLOOR PATCH |
|---|---|--|

Construction Safeguards
 Construction safeguards shall be required for any and all demolition and or construction to ensure public safety.
 Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.
 All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.

DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO

PROJECT: 19032

REVISIONS

NO.	DESCRIPTION

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: KP
 CHECKED BY: JHW
 DRAWING NO.:

A1.0

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LICENSED ARCHITECT
 AR-92339
 James Wyatt
 STATE OF IDAHO

MAIN FLOOR DEMOLITION PLAN

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 Building Code
 Building Department
 Idaho State Capitol
 Boise, Idaho

LICENSED ARCHITECT
 AR-92339
 James Watt
 03-2024
 JAMES WATT
 STATE OF IDAHO

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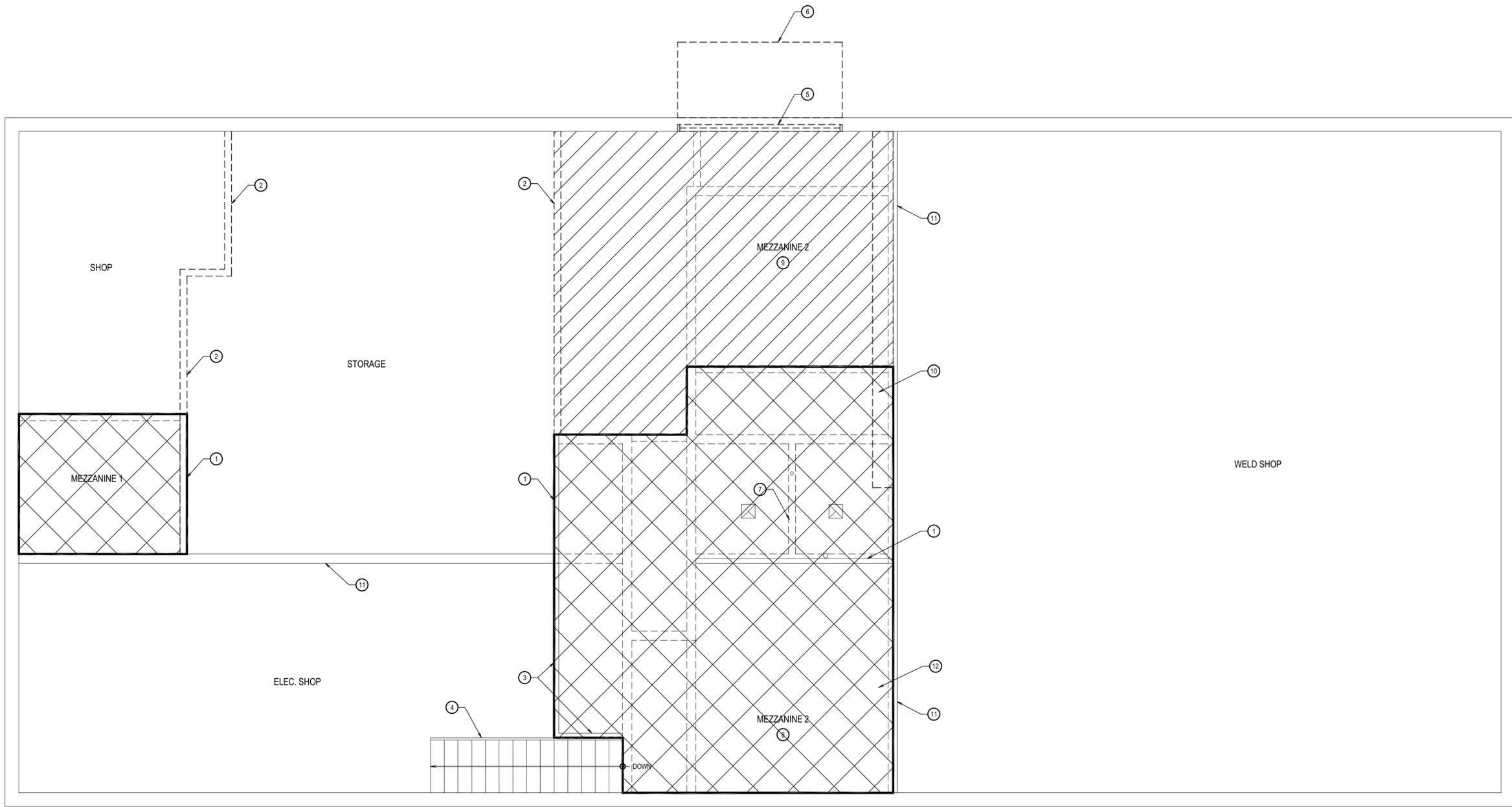
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MEZZANINE DEMOLITION PLAN

REVISIONS

NO.	DESCRIPTION

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: KP
 CHECKED BY: JHW
 DRAWING NO.:

A1.1



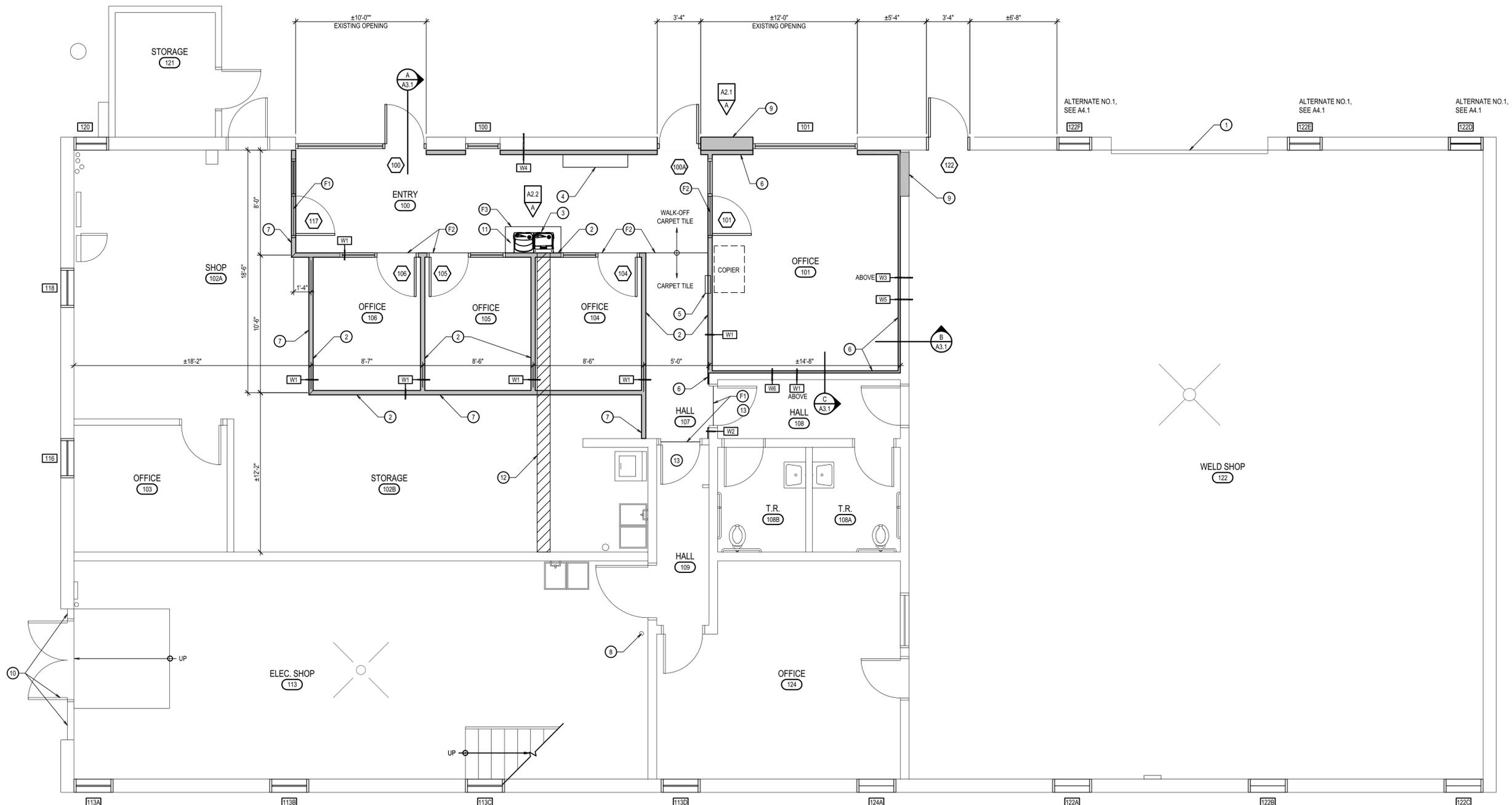
MEZZANINE DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

GENERAL NOTES	
1. SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK.	DURING CONSTRUCTION, REPLACE DAMAGED MATERIALS TO MATCH EXISTING.
2. MECHANICAL DRAWINGS FOR ALL MECHANICAL CEILING PENETRATIONS AND MECHANICAL WORK.	9. PROTECT ALL EXISTING-TO-REMAIN ITEMS (WHETHER SO NOTED OR NOT) AND PROTECT ITEMS TO BE REMOVED AND REINSTALLED. REPAIR/REPLACE THESE ITEMS IF DAMAGED DURING CONSTRUCTION.
3. SEE PLUMBING DRAWINGS FOR ALL PLUMBING WORK.	10. ALL ITEMS NOTED TO BE REMOVED / REPLACED INCLUDING ALL DEMOLISHED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE AND BE DISPOSED OF AS PER CURRENT CODES, LAWS AND REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY (EPA).
4. RESOLVE ALL DISCREPANCIES WITH CONTRACTOR AND/OR ARCHITECT PRIOR TO DEMOLITION.	11. SAW CUT AND PATCH EXISTING CONCRETE FLOOR AS REQUIRED TO INSTALL NEW UNDERSLAB UTILITIES.
5. ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS.	
6. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.	
7. GENERAL CONTRACTOR IS REQUIRED TO PATCH AND REPAIR (WHETHER SO NOTED OR NOT) ALL EXISTING SURFACE AREAS AS REQUIRED BY DEMOLITION AND/OR TO COORDINATE SUCH REPAIR WORK WITH SUB-CONTRACTORS.	
8. PROTECT EXISTING EXTERIOR CONCRETE / ASPHALT FROM DAMAGE	

KEYNOTES	
1. EXISTING WOOD STUD WALL TO REMAIN	 MEZZANINE TO BE REMOVED  MEZZANINE TO REMAIN. THE MAIN FLOOR CEILINGS ARE ATTACHED TO MEZZANINE STRUCTURE AND ARE TO REMAIN INTACT.
2. REMOVE EXISTING WOOD STUD WALL TO EXTENT SHOWN	
3. EXISTING WOOD STUD PONY WALL TO REMAIN	
4. EXISTING WOOD STAIRS TO REMAIN	
5. REMOVE EXISTING WINDOW	
6. REMOVE EXISTING CANOPY	
7. EXISTING WATER HEATER TO REMAIN	
8. PORTION OF EXISTING MEZZANINE TO REMAIN	
9. PORTION OF EXISTING MEZZANINE TO BE DEMOLISHED	
10. REMOVE EXISTING SHELVING UNITS	
11. EXISTING WOOD STUD WALL ON CMU WALL TO REMAIN	
12. EXISTING SHELVING UNITS TO REMAIN	

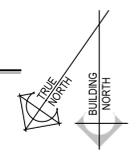
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 Architectural
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 JAMES WYATT
 STATE OF IDAHO



It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and inspection.
 Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and fire-resistance-rated floor, and or ceiling assemblies must be protected and inspected if penetrated.
 The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall be made, and building inspections called for approval.

NEW MAIN FLOOR PLAN
 SCALE: 1/4" = 1'-0"



GENERAL NOTES

- | | |
|---|--|
| <ol style="list-style-type: none"> SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK. SEE MECHANICAL DRAWINGS FOR MECHANICAL CEILING PENETRATIONS AND ALL MECHANICAL WORK. SEE PLUMBING DRAWINGS FOR ALL PLUMBING WORK. RESOLVE ALL DISCREPANCIES WITH CONTRACTOR AND/OR ARCHITECT PRIOR TO DEMOLITION. ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD. GENERAL CONTRACTOR IS REQUIRED TO PATCH AND REPAIR (WHETHER SO NOTED OR NOT) ALL EXISTING SURFACE AREAS AS REQUIRED BY DEMOLITION AND/OR TO COORDINATE SUCH REPAIR WORK WITH SUB-CONTRACTORS. PROTECT EXISTING EXTERIOR CONCRETE / ASPHALT FROM DAMAGE | <ol style="list-style-type: none"> DURING CONSTRUCTION, REPLACE DAMAGED MATERIALS TO MATCH EXISTING. PROTECT ALL EXISTING-TO-REMAIN ITEMS (WHETHER SO NOTED OR NOT) AND PROTECT ITEMS TO BE REMOVED AND REINSTALLED. REPAIR/REPLACE THESE ITEMS IF DAMAGED DURING CONSTRUCTION. ALL ITEMS NOTED TO BE REMOVED / REPLACED INCLUDING ALL DEMOLISHED CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE AND BE DISPOSED OF AS PER CURRENT CODES, LAWS AND REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY (EPA). SAW CUT AND PATCH EXISTING CONCRETE FLOOR AS REQUIRED TO INSTALL NEW UNDERSLAB UTILITIES. ALL NEW INTERIOR WALLS AND FURR-OUTS TO BE 2 X 4 WOOD STUDS UNLESS OTHERWISE NOTED. |
|---|--|

KEYNOTES

- CLEAN EXISTING OVERHEAD DOOR
- NEW WOOD STUD WALLS
- ADA COMPLIANT DRINKING FOUNTAIN
- RE-INSTALL EXISTING TIME CLOCK MACHINE / LOCKABLE KEY CABINET
- INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET
- NEW WOOD FURR-OUT
- FIRE TAPE GYPSUM BOARD ON THIS SIDE OF WALLS
- EXISTING FIRE EXTINGUISHER
- INFILL OPENING WITH CONCRETE MASONRY UNITS TO MATCH EXISTING ADJACENT
- PREPARE AND PAINT HOLLOW METAL DOOR, DOOR FRAME AND WOOD SIDING SURROUND
- FLOOR TILE, APPROXIMATELY 4'-3" X 2'-0"
- PATCH AND REPAIR CONCRETE
- SAND AND PAINT EXISTING DOOR/FRAME

FLOOR TRANSITION STRIPS

- WALK-OFF CARPET TILE TO EXISTING CONCRETE
- WALK-OFF CARPET TILE TO CARPET TILE
- WALK-OFF CARPET TILE TO CERAMIC FLOOR TILE

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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 NEW MAIN FLOOR PLAN

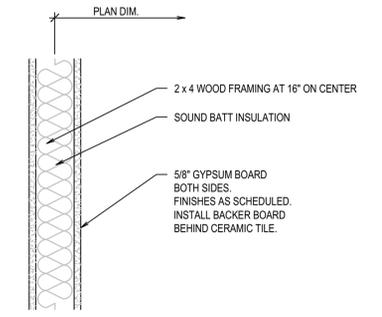
REVISIONS

1	PLAN REVIEW# BLD2201-00069
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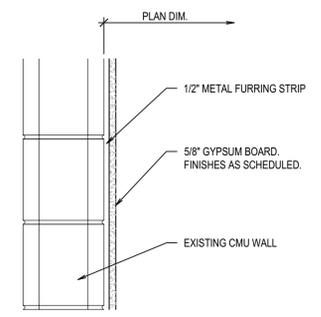
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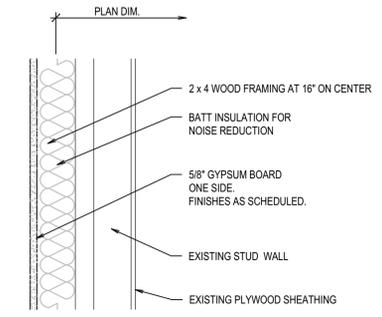
A1.2



W1

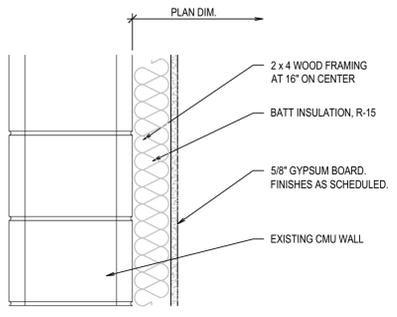


W2

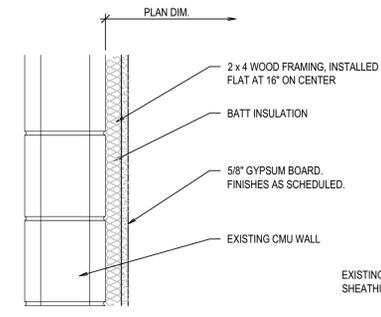


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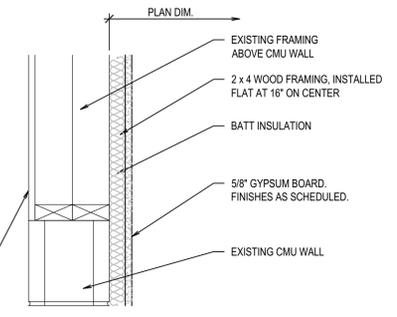
ABOVE EXISTING CMU WALL



W4

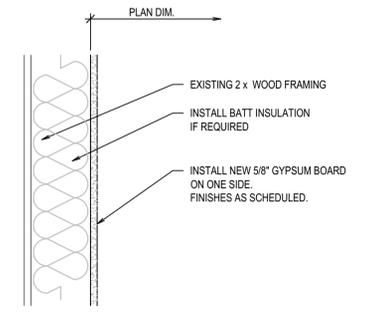


W5



W5A

ABOVE EXISTING CMU WALL



W6

WALL TYPES

SCALE: 1/16" = 1'-0"

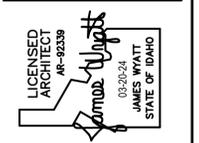
ROOM FINISH SCHEDULE										
AREA		FLOOR	BASE	WALLS				CEILING		
NO.	NAME			NORTH	EAST	SOUTH	WEST			
		CERAMIC FLOOR TILE								
		WALK-OFF CARPET TILE								
		CARPET TILE								
		SEE DESIGNATED KEYNOTE								
		COVERED RUBBER BASE								
		SEE DESIGNATED KEYNOTE								
		EXISTING CMU, PAINT								
		TEXTURED/PAINTED GYP. BOARD								
		SEE DESIGNATED KEYNOTE								
		EXISTING CMU, PAINT								
		TEXTURED/PAINTED GYP. BOARD								
		SEE DESIGNATED KEYNOTE								
		EXISTING CMU, PAINT								
		TEXTURED/PAINTED GYP. BOARD								
		SEE DESIGNATED KEYNOTE								
		EXISTING CMU, PAINT								
		TEXTURED/PAINTED GYP. BOARD								
		SEE DESIGNATED KEYNOTE								
		2x2 LAMIN PANELS								
		SEE DESIGNATED KEYNOTE								

MAIN LEVEL										
100	ENTRY	●	●	⊙	●	●	●	●	●	●
101	OFFICE				●	●	●	●	●	●
104	OFFICE				●	●	●	●	●	●
105	OFFICE				●	●	●	●	●	●
106	OFFICE				●	●	●	●	●	●
107	HALL			⊙	●	●	●	●	●	●

DESIGNATED KEYNOTES:
 1. SEE FLOOR PLAN ON SHEET A1.2 FOR FLOOR FINISH TRANSITIONS
 2. CERAMIC WALL TILE AT DRINKING FOUNTAIN, SEE A/A2.1

NOTE: STANDARD FIELD PAINT COLOR: SW 7010 WHITE DUCK
 STANDARD ACCENT PAINT COLORS:
 ISU CUSTOM PAINT COLOR - GROWLING GRAY (SHERWIN WILLIAMS)
 ISU CUSTOM PAINT COLOR - ROARANGE (SHERWIN WILLIAMS)
 SW 7669 SUMMIT GRAY, SW 7017 DORIAN GRAY, SW 7015 REPOSE GRAY

LOCATION OF FIELD AND ACCENT PAINT COLORS TO BE DETERMINED.



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 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO

PROJECT: _____
 SHEET TITLE: _____

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DRAWING NO.:

A1.3

WALL TYPES AND ROOM FINISH SCHEDULE

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 Building Division
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 State of Idaho

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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 NEW MEZZANINE PLAN

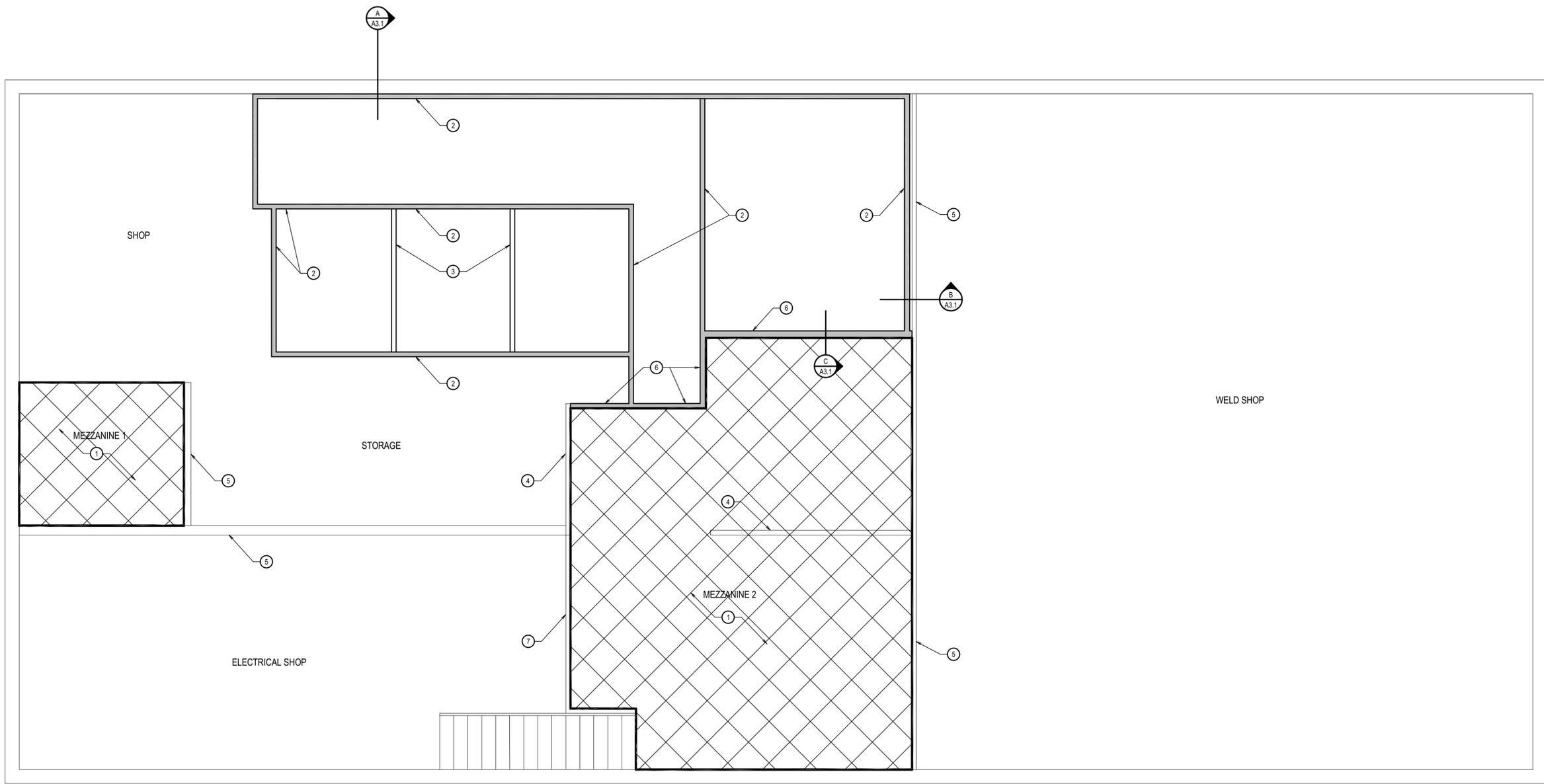
REVISIONS

NO.	DESCRIPTION

NEW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: KP
 CHECKED BY: JHW

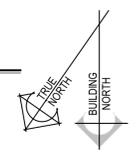
DRAWING NO.:

A1.4



NEW MEZZANINE PLAN

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



GENERAL NOTES

- SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK.
- MECHANICAL DRAWINGS FOR ALL MECHANICAL CEILING PENETRATIONS AND MECHANICAL WORK.
- SEE PLUMBING DRAWINGS FOR ALL PLUMBING WORK.
- RESOLVE ALL DISCREPANCIES WITH CONTRACTOR AND/OR ARCHITECT PRIOR TO DEMOLITION.
- ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- SEE SHEET A1.2 AND A1.3 FOR WALL TYPES
- INFILL OPENING ABOVE DOOR WITH MASONRY CONCRETE UNITS TO MATCH EXISTING ADJACENT.

KEYNOTES

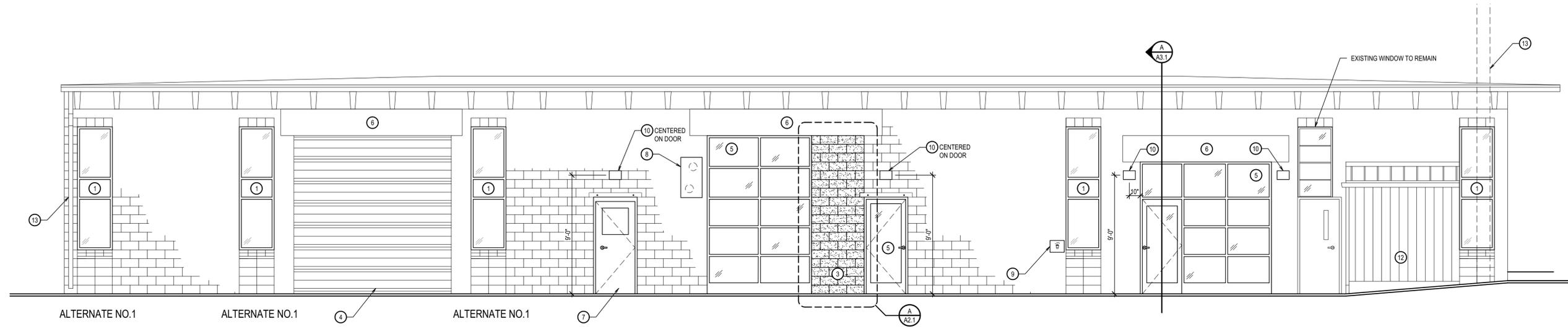
- EXISTING MEZZANINE TO REMAIN
- NEW MAIN FLOOR WALL - 13'-4" TALL
- NEW MAIN FLOOR WALL - 9'-2" TALL
- EXISTING MEZZANINE WALL TO REMAIN
- EXISTING FULL HEIGHT WALL TO REMAIN
- NEW MEZZANINE WALL
- EXISTING MEZZANINE RAILING TO REMAIN



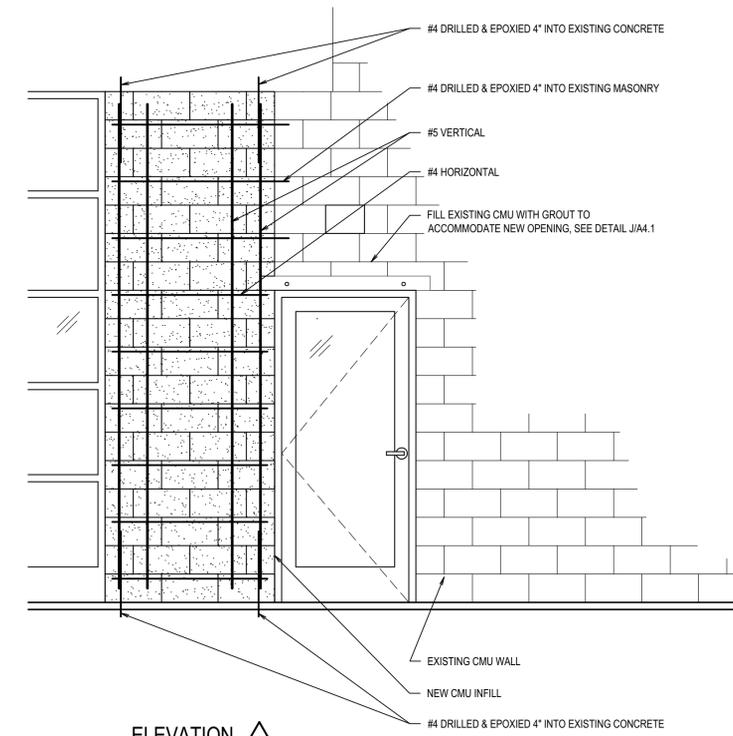
MEZZANINE TO REMAIN. THE CEILINGS ON THE MAIN FLOOR ARE ATTACHED TO MEZZANINE STRUCTURE AND ARE TO REMAIN INTACT.

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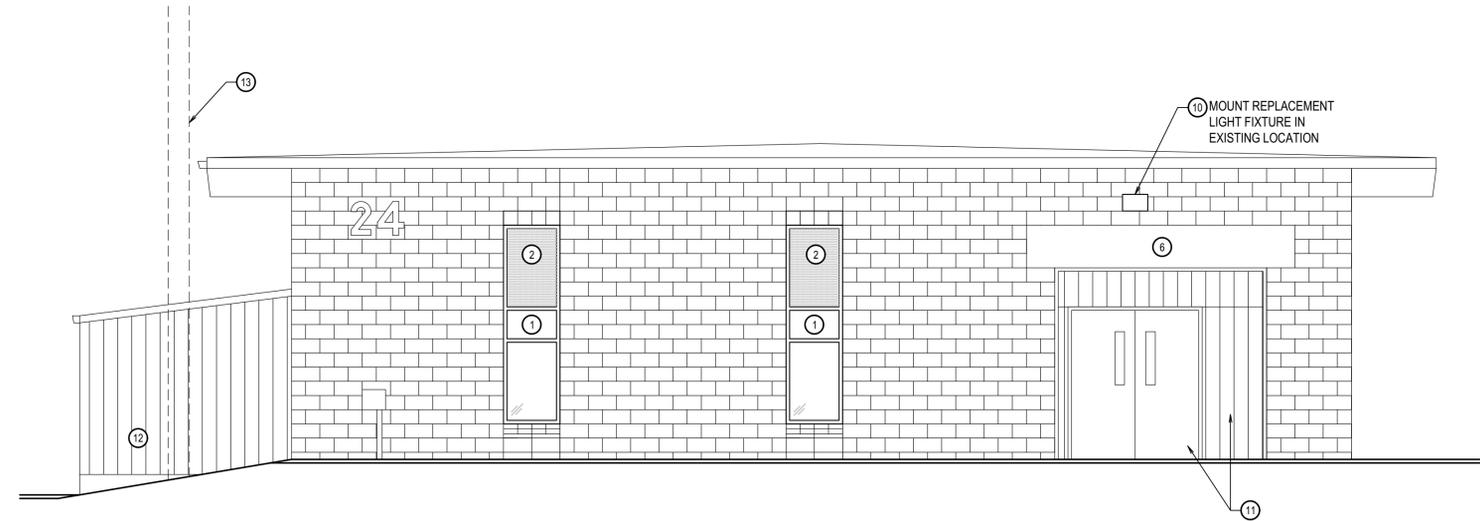
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STATE OF IDAHO
03-2024
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ALTERNATE NO.1 ALTERNATE NO.1 ALTERNATE NO.1
SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"
A
A2.1



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

○ KEYNOTES

1. NEW WINDOW	11. SAND, PREPARE AND PAINT EXISTING HOLLOW METAL DOOR, FRAME AND WOOD SIDING
2. 1" THICK SPANDREL GLAZING	12. EXISTING LEAN-TO STRUCTURE, EXCLUDED FROM WORK.
3. CMU INFILL, MATCH EXISTING ADJACENT CMU.	13. EXISTING POWER POLE, PROTECT DURING CONSTRUCTION
4. POWER WASH EXISTING OVERHEAD DOOR, EXTERIOR ONLY	
5. NEW ALUMINUM STOREFRONT SYSTEM	
6. EXISTING CONCRETE HEADER	
7. NEW HOLLOW METAL DOOR AND FRAME, SEE DETAIL D/A4.1, PAINT.	
8. REMOVE EXISTING METAL COVERS AND DUCTS. PATCH CMU WALL PENETRATIONS BY INSTALLING BATT INSULATION IN CAVITY AND GALVANIZED SHEET METAL COVER OVER THE TOP OF HOLES.	
9. REMOVE EXISTING HOSE BIB, FILL HOLE WITH INSULATION AND COVER WITH STAINLESS STEEL PLATE	
10. NEW LIGHT FIXTURE	

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POCATELLO, IDAHO
EXTERIOR ELEVATIONS
SHEET TITLE

REVISIONS

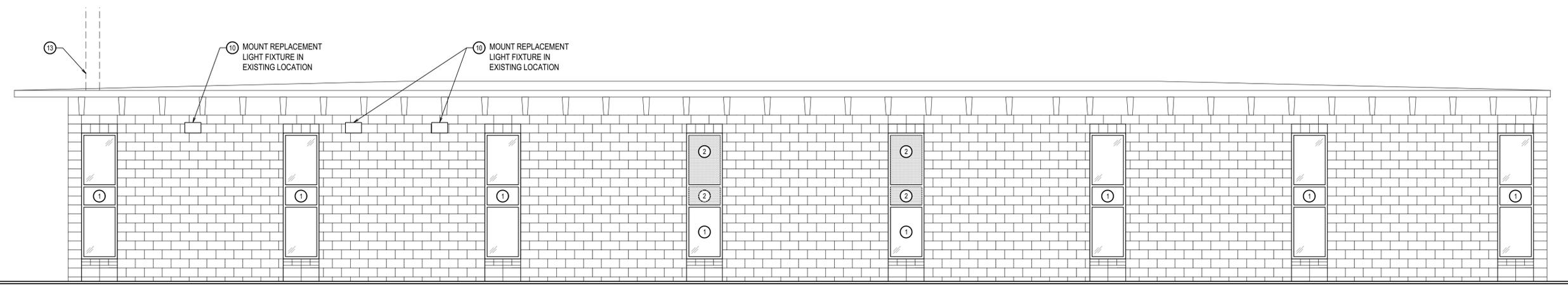
NBW PROJECT NO.: 19032
DATE: MARCH 2024
DRAWN BY: KP
CHECKED BY: JHW

DRAWING NO.:

A2.1

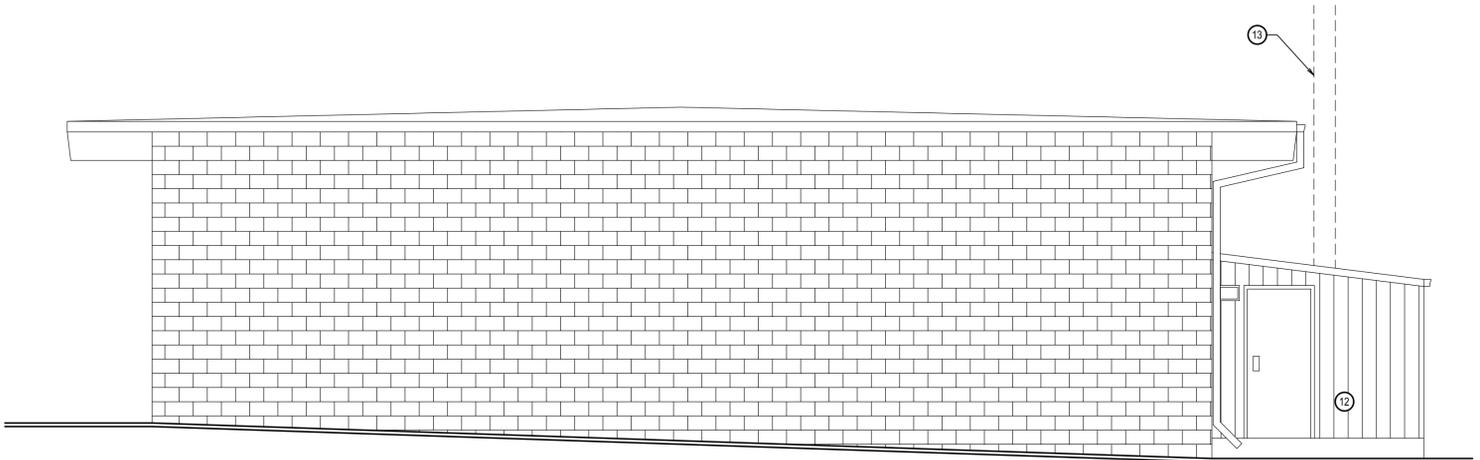
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Approved
 Statewide Safety
 Building Code
 Building Department
 Idaho State Capitol
 Boise, Idaho

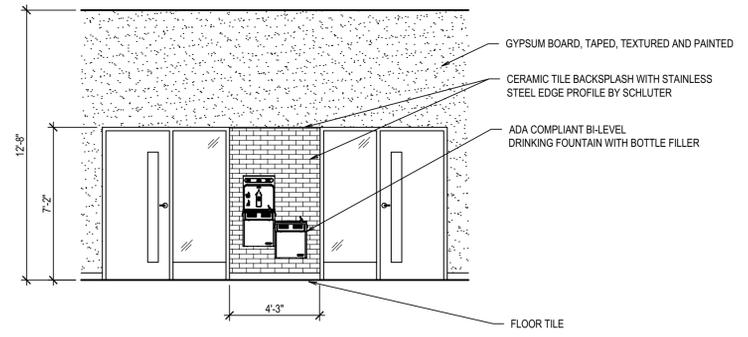


NORTH ELEVATION
 SCALE: 1/4" = 1'-0"

ALTERNATE NO.1 ALTERNATE NO.1 ALTERNATE NO.1 ALTERNATE NO.1



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



ELEVATION
 SCALE: 1/4" = 1'-0" A2.2

KEYNOTES

1. NEW WINDOW	11. SAND, PREPARE AND PAINT EXISTING HOLLOW METAL DOOR, FRAME AND WOOD SIDING
2. 1" THICK SPANDREL GLAZING	12. EXISTING LEAN-TO STRUCTURE, EXCLUDED FROM WORK.
3. CMU INFILL, MATCH EXISTING ADJACENT CMU	13. EXISTING POWER POLE, PROTECT DURING CONSTRUCTION
4. POWER WASH EXISTING OVERHEAD DOOR, EXTERIOR ONLY	
5. NEW ALUMINUM STOREFRONT SYSTEM	
6. EXISTING CONCRETE HEADER	
7. NEW HOLLOW METAL DOOR AND FRAME, SEE DETAIL D/A4.1, PAINT.	
8. REMOVE EXISTING METAL COVERS AND DUCTS. PATCH CMU WALL PENETRATIONS BY INSTALLING BATT INSULATION IN CAVITY AND GALVANIZED SHEET METAL COVER OVER THE TOP OF HOLES.	
9. REMOVE EXISTING HOSE BIB, FILL HOLE WITH INSULATION AND COVER WITH STAINLESS STEEL PLATE	
10. NEW LIGHT FIXTURE	

LICENSED ARCHITECT
 AR-92339
 James Wyatt
 03-2024
 JAMES WYATT
 STATE OF IDAHO

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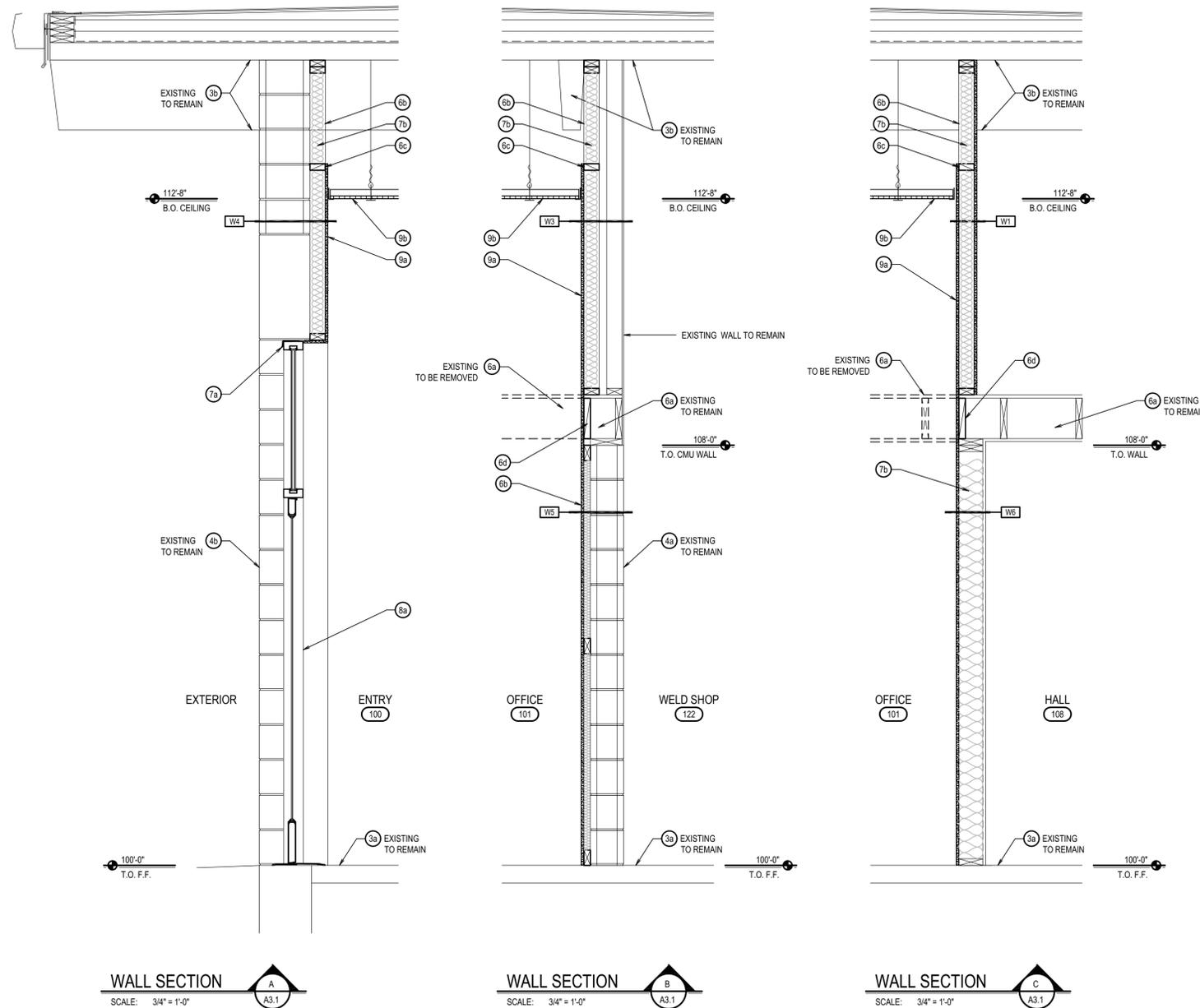
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 EXTERIOR ELEVATIONS
 SHEET TITLE

REVISIONS

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: KP
 CHECKED BY: JHW

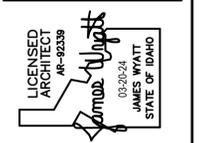
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○ KEYNOTES

03 CONCRETE	
3a	CONCRETE SLAB
3b	CONCRETE - TEE ROOF STRUCTURE
04 MASONRY	
4a	8" CMU
4b	12" CMU
06 WOOD	
6a	FLOOR JOIST
6b	2 x 4
6c	2 x NAILER
6d	2 x BLOCKING
07 THERMAL & MOISTURE PROTECTION	
7a	PRE-FINISHED METAL FLASHING
7b	BATT INSULATION
08 DOORS & WINDOWS	
8a	ALUMINUM WINDOW / STOREFRONT SYSTEM
8b	HOLLOW METAL DOOR FRAME ASSEMBLY
09 FINISHES	
9a	5/8" GYPSUM BOARD, TYPE "X"
9b	24" x 24" LAY-IN CEILING TILE AND SUSPENSION GRID SYSTEM



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REVISIONS

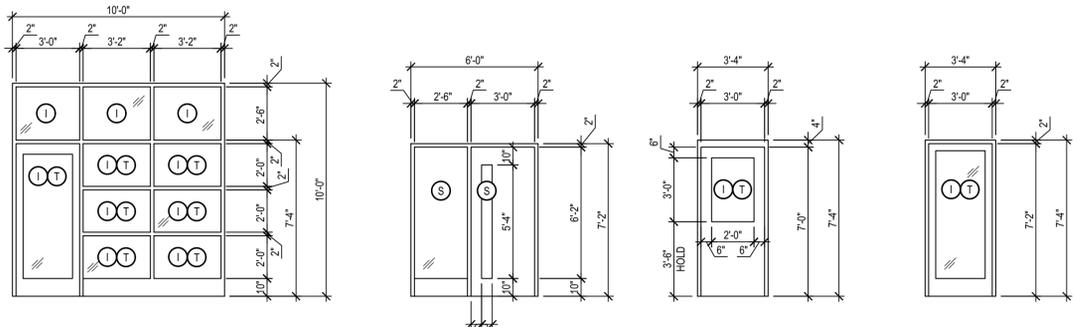
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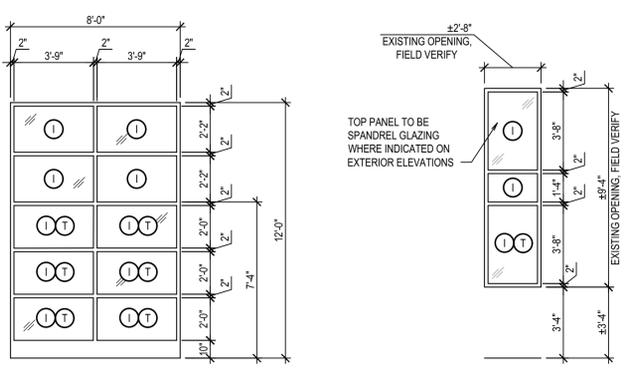
WALL SECTIONS

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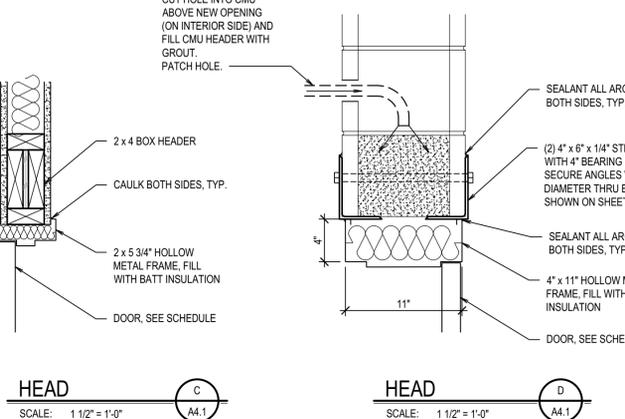
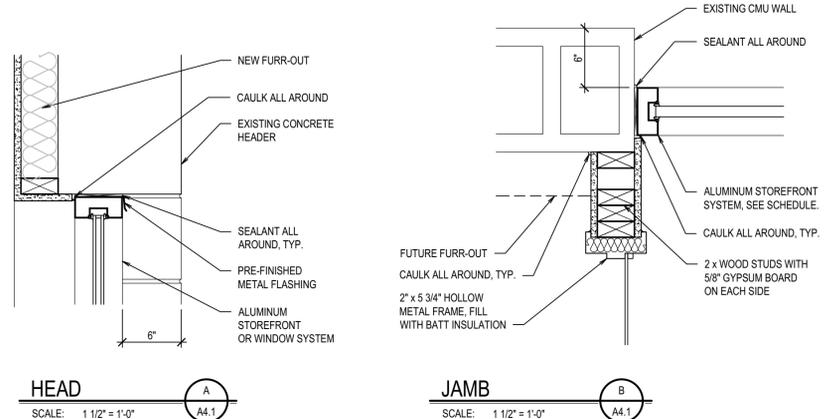
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 James Wyatt
 ARCHITECT
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 JAMES WYATT
 STATE OF IDAHO



DOOR TYPES



WINDOW TYPES



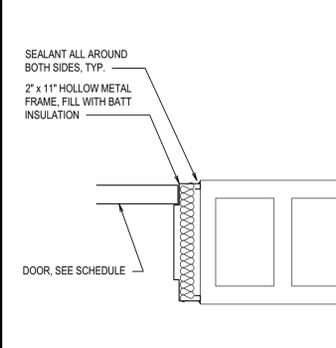
DOOR SCHEDULE								
DOOR NUMBER	SIZE	SINGLE OR PAIR	TYPE	MATERIALS		DETAILS		REMARKS
				DOOR	FRAME	HEAD	JAMB	
100	3'-0" x 7'-0"	S	A	ALUM	ALUM	A/A4.1	B/A4.1	INSTALL BLINDS
100A	3'-0" x 7'-0"	S	D	ALUM	ALUM	J/A4.1	K/A4.1	INSTALL BLINDS
101	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	K, L/A4.1	INSTALL BLINDS
104	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	L/A4.1	INSTALL BLINDS
105	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	L/A4.1	INSTALL BLINDS
106	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	L/A4.1	INSTALL BLINDS
117	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	B, L/A4.1	INSTALL BLINDS
122	3'-0" x 7'-0"	S	C	HM	HM	D/A4.1	E/A4.1	

NOTE:
 ALL HOLLOW METAL DOOR FRAMES AND DOORS TO BE PAINTED.

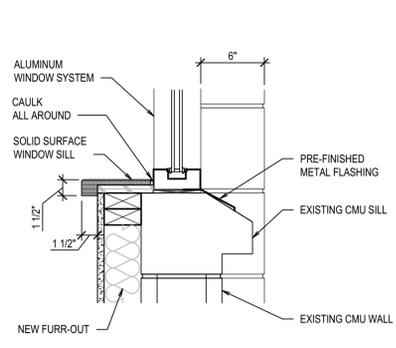
WINDOW SCHEDULE							
WINDOW NUMBER	SIZE	TYPE	MATERIAL		DETAILS		REMARKS
			FRAME	HEAD	JAMB	SILL	
100	±2'-8" x ±9'-4"	B	ALUM	A/A4.1	H/A4.1	F/A4.1	INSTALL BLINDS
101	±8'-0" x ±12'-0"	A	ALUM	A/A4.1	G, H/A4.1	-	INSTALL BLINDS
113A	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113B	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113C	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113D	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
116	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
118	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
120	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	

BASE BID							
WINDOW NUMBER	SIZE	TYPE	MATERIAL	DETAILS	REMARKS		
100	±2'-8" x ±9'-4"	B	ALUM	A/A4.1	H/A4.1	F/A4.1	INSTALL BLINDS
101	±8'-0" x ±12'-0"	A	ALUM	A/A4.1	G, H/A4.1	-	INSTALL BLINDS
113A	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113B	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113C	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
113D	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
116	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
118	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
120	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	

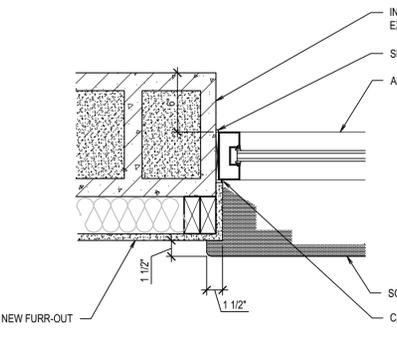
ALTERNATE NO.1							
WINDOW NUMBER	SIZE	TYPE	MATERIAL	DETAILS	REMARKS		
124A	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122A	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122B	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122C	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122D	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122E	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	
122F	±2'-8" x ±9'-4"	B	ALUM	M/A4.1	N/A4.1	P/A4.1	



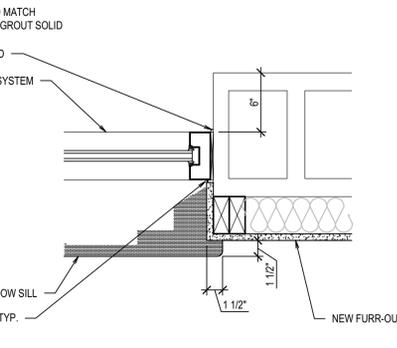
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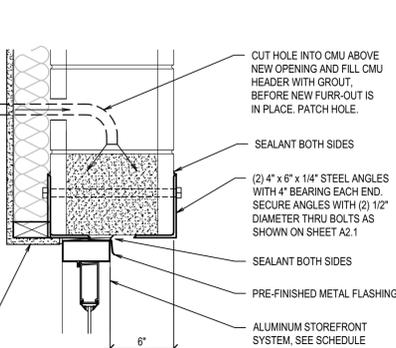
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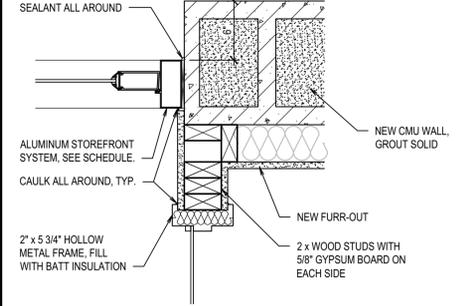
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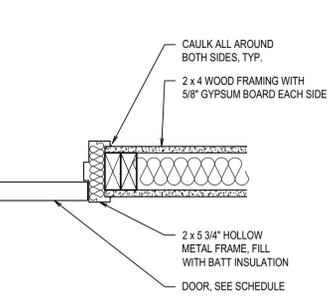
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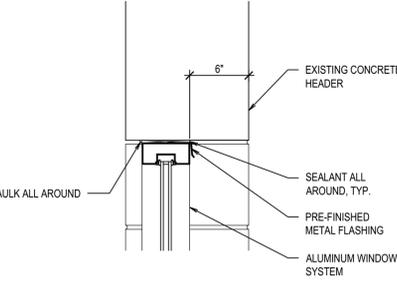
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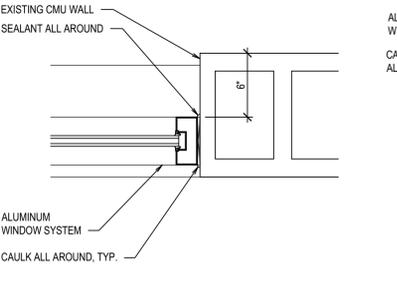
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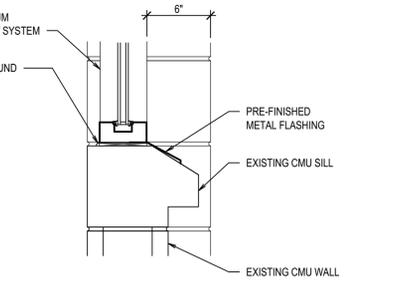
HEAD SCALE: 1 1/2" = 1'-0" A4.1



HEAD SCALE: 1 1/2" = 1'-0" A4.1



JAMB SCALE: 1 1/2" = 1'-0" A4.1



SILL SCALE: 1 1/2" = 1'-0" A4.1

PROCEDURE FOR DETAILS D AND J/A4.1:
 SAW CUT CMU WALL AT TOP OF OPENING, EXTENDING A MINIMUM OF 4" PAST EDGE OF OPENING. INSERT 4" x 6" x 1/4" STEEL ANGLE ON BOTH SIDES OF CMU WALL AND BOLT INTO PLACE. FINISH CUTTING SIDES OF OPENING AND REMOVE CMU FOR NEW DOOR ASSEMBLY.

LICENSED ARCHITECT
 03-2024
 JAMES WYATT
 STATE OF IDAHO

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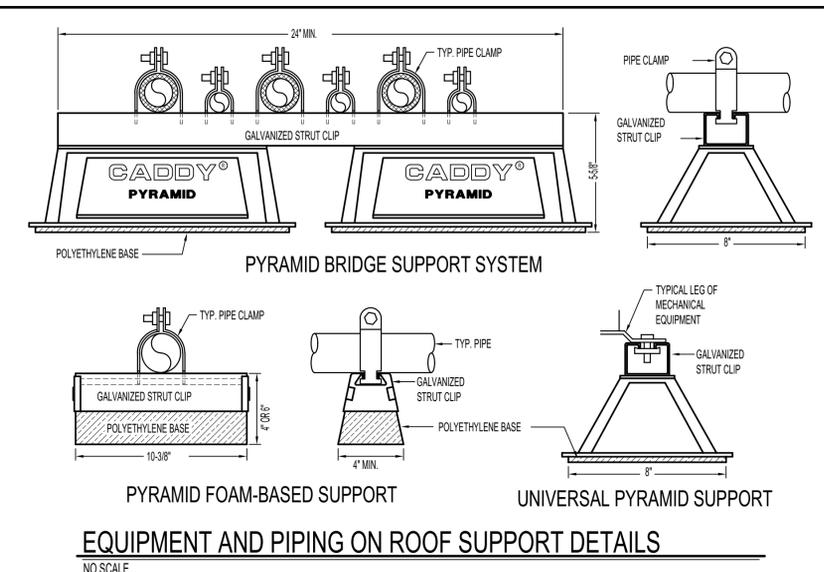
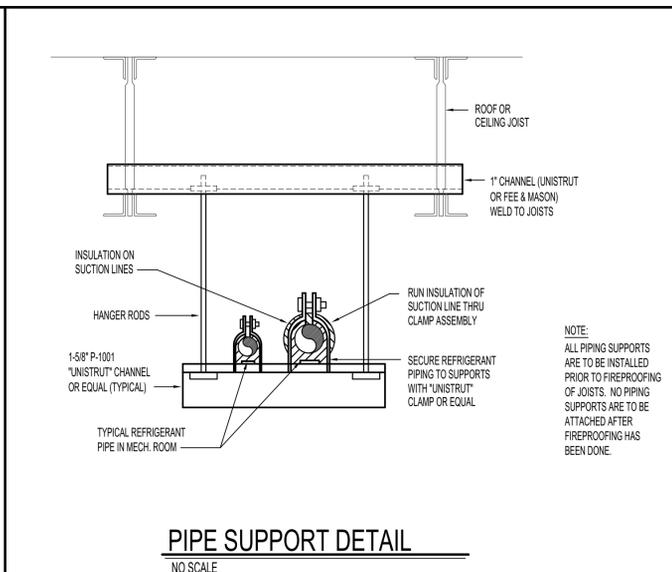
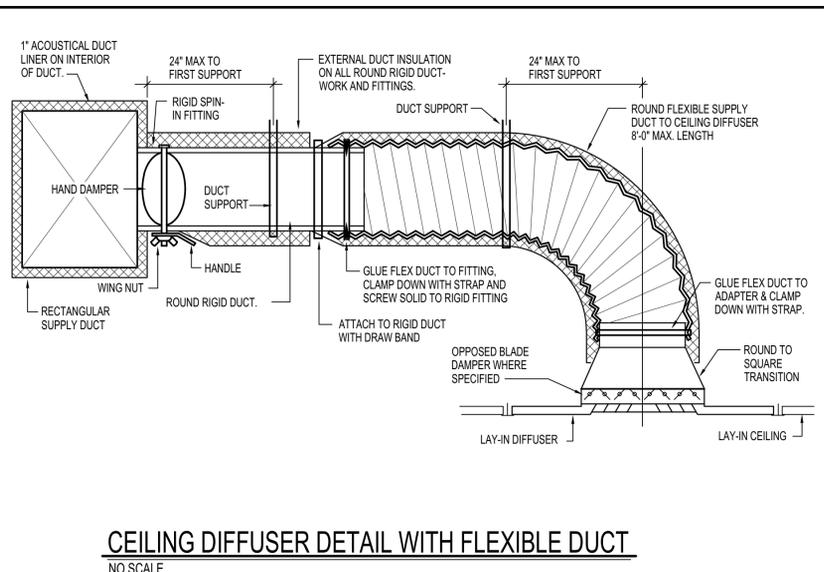
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NEW PROJECT NO.: 19032
 DATE: MARCH 2024
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 DRAWING NO.:

A4.1

DOOR AND WINDOW SCHEDULES AND DETAILS

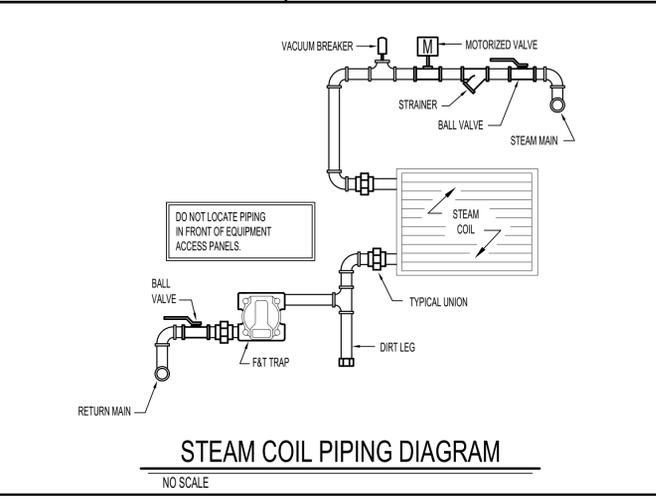
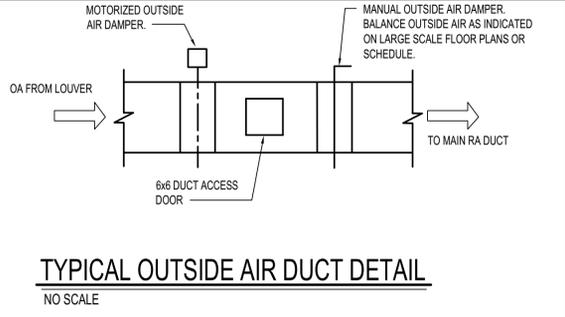
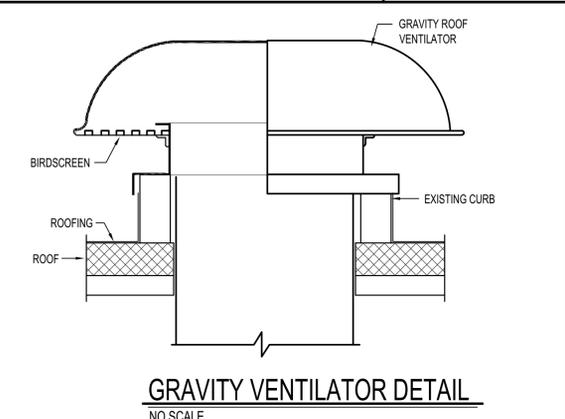
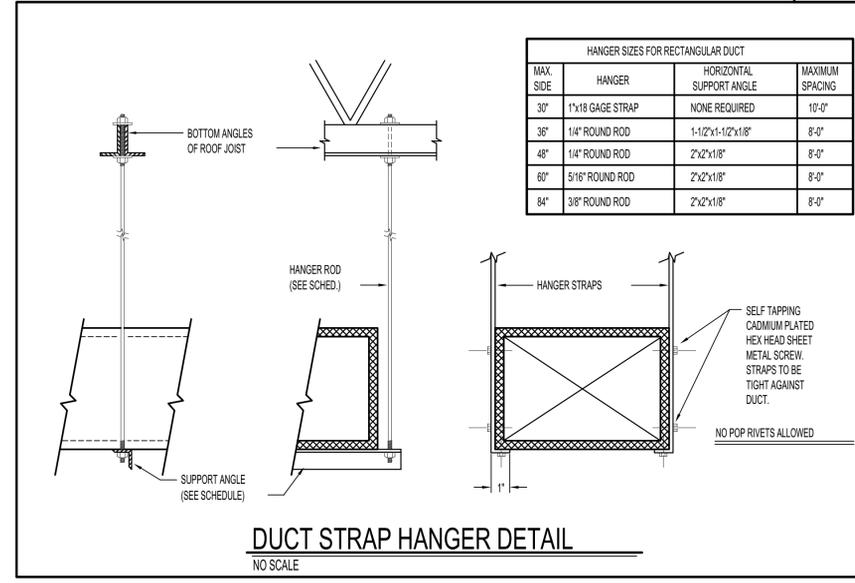
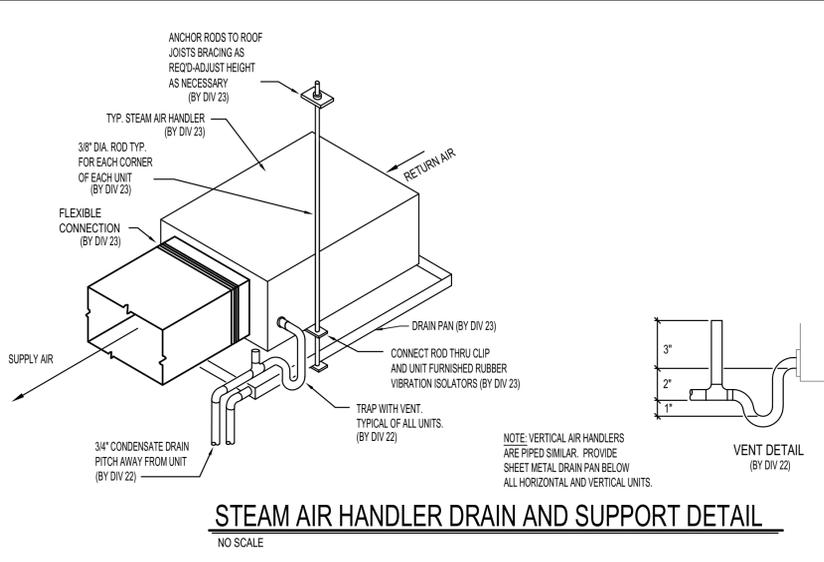
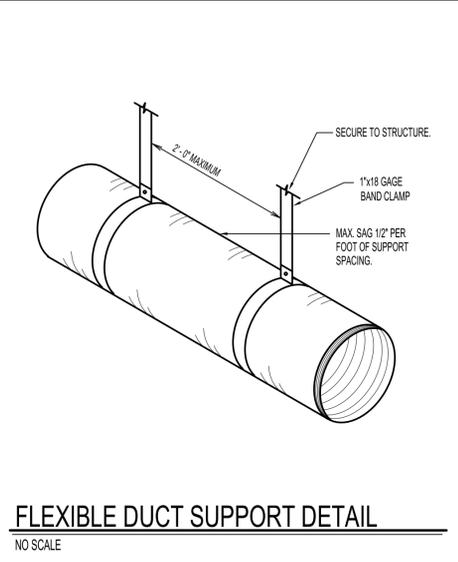
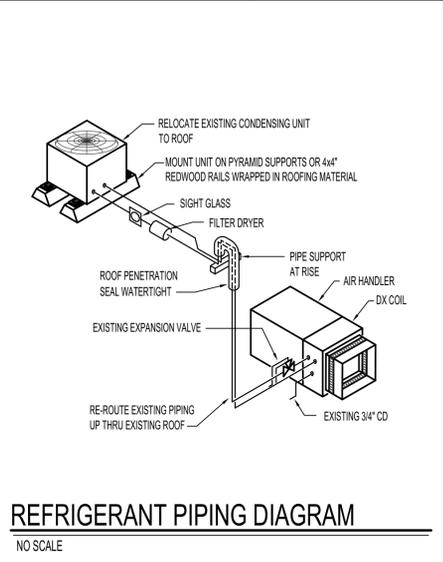
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 Approved
 Mechanical Systems
 19065 ISU CUSTODIAL.dwg
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DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAUGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACINGS BETWEEN TRANSVERSE JOINTS & OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)				
			AT JOINTS				
			MIN. H. IN.	DRIVE SLIP	PLAIN S SLIP	HEMMED S SLIP	ALTERNATE BAR SLIP
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13-18	24	NONE REQUIRED	1	24	24	24	24
19-30	24	1"x1"x1/8" @ 60 IN	1	-	24	24	24
31-42	22	1"x1"x1/8" @ 60 IN	1	-	-	22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

DUCT CONSTRUCTION DETAIL
NO SCALE



Engineered Systems Associates

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EMAIL: esa@engsystems.com
ESA JOB NUMBER: 19085

Mar 21, 2024

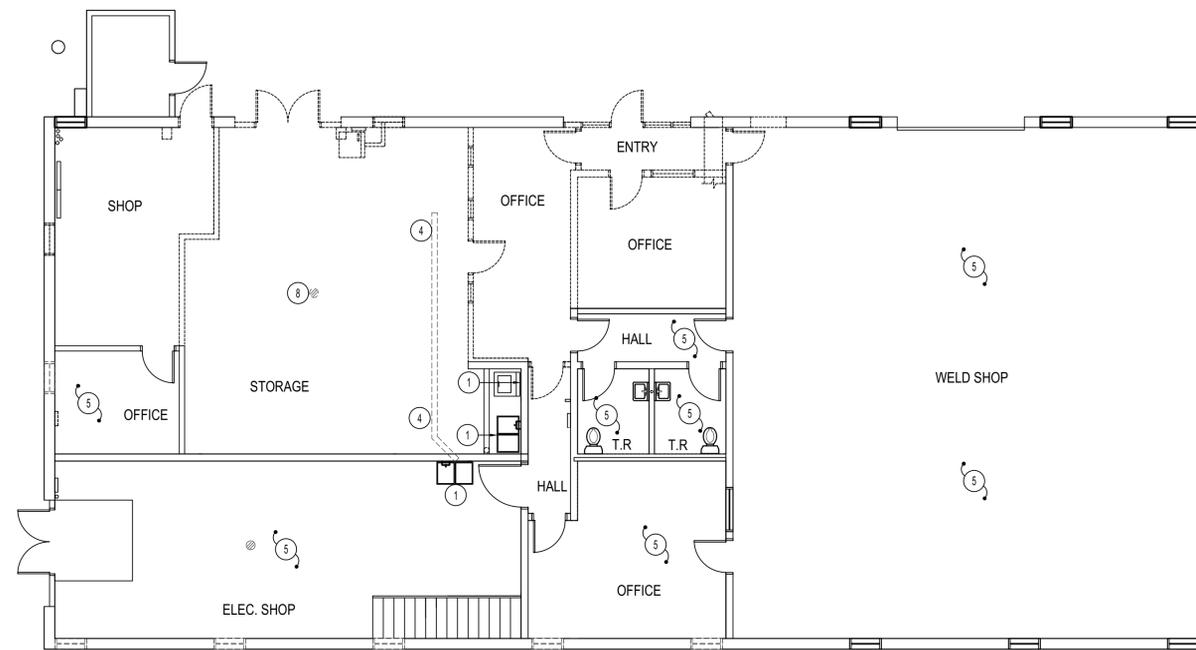
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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MECHANICAL DETAILS

PROJECT: ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 SHEET TITLE: MECHANICAL DETAILS
 REVISIONS:
 NO. DATE DESCRIPTION
 19032
 DATE: MARCH 2024
 DRAWN BY: T DAVIS
 CHECKED BY: D HANSEN
 DRAWING NO.: M2.1

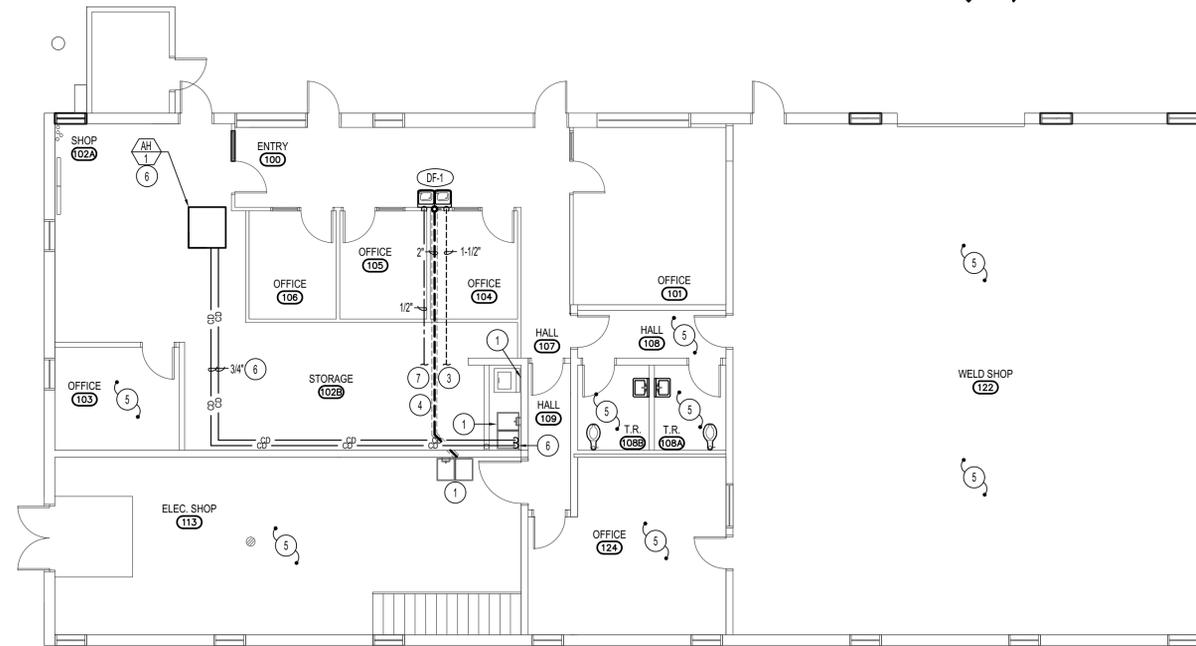


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MAIN LEVEL DEMO PLUMBING FLOOR PLAN

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



MAIN LEVEL PLUMBING FLOOR PLAN

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



PLAN NOTES:

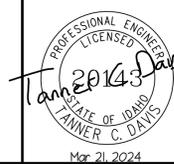
- EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION.
- SAW CUT FLOOR IN LOCATION AS SHOWN ON PLANS FOR NEW 2" WASTE LINE. MODIFY CUT AS REQUIRED FOR EXISTING WASTE LINE LOCATION AND ROUTE. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING AFTER WORK IS COMPLETE.
- RUN NEW VENT LINE IN CEILING SPACE TO NEAREST EXISTING 2" OR LARGER. FIELD VERIFY NEAREST AVAILABLE TIE IN LOCATION.
- SCOPE EXISTING WASTE LINE SIZES, ROUTES, AND ELEVATIONS BELOW SLAB PRIOR TO CONSTRUCTION AND FIELD VERIFY BEST SAW CUTS AND NEW WASTE ROUTES.
- NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- EQUIPMENT PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. PIPE CONDENSATE DRAIN AND OVERFLOW DRAIN TO NEAREST EXISTING SERVICE SINK. TERMINATE WITH 1" AIR GAP. ROUTE CONDENSATE AS HIGH AS POSSIBLE.
- RUN NEW COLD WATER LINE IN CEILING SPACE TO NEAREST EXISTING 3/4" OR LARGER. FIELD VERIFY NEAREST AVAILABLE TIE IN LOCATION.
- REMOVE AND DISPOSE OF EXISTING FIXTURE. CAP AND ABANDON PIPING BELOW GRADE.

GENERAL NOTES:

- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
—	PIPE DROP
—	PIPE RISE
—	BALL TYPE ISOLATION VALVE
---	SOIL OR WASTE PIPING
----	VENT LINE PIPING
-----	DOMESTIC COLD WATER PIPING
-----	DOMESTIC HOT WATER PIPING
-----	HOT WATER RECORC. PIPING
G	GAS PIPING
CD	CONDENSATE DRAIN PIPING
RDL	ROOF DRAIN PIPING
RDO	ROOF OVERFLOW DRAIN PIPING



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PROJECT: **ISU CUSTODIAL OFFICE REMODEL - PHASE 1**
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 SHEET TITLE: **MAIN LEVEL PLUMBING FLOOR PLAN**

REVISIONS

NBW PROJECT NO. 19032
 DATE: MARCH 2024
 DRAWN BY: T DAVIS
 CHECKED BY: D HANSEN

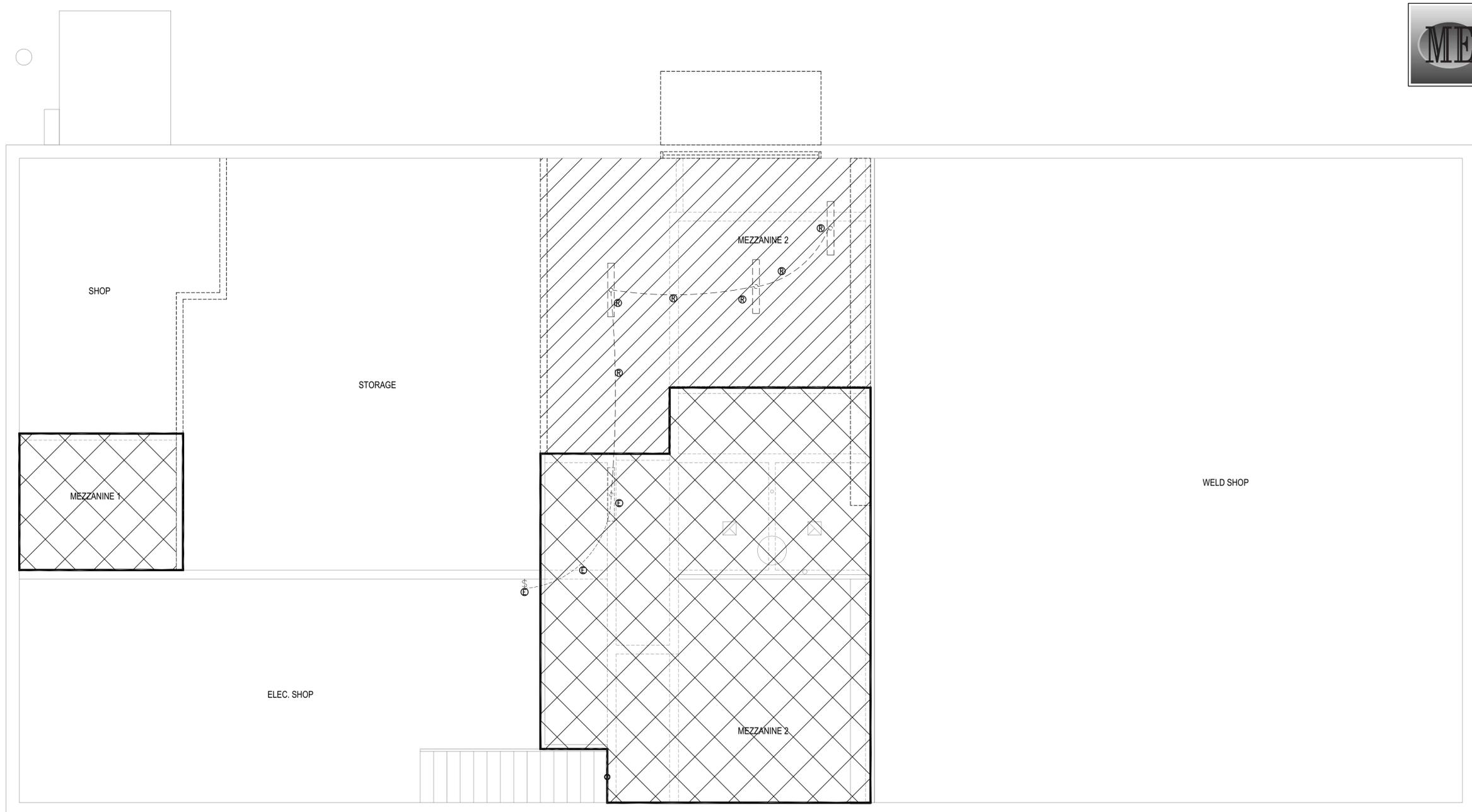
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PROJECT: ISU CUSTODIAL OFFICE REMODEL - PHASE 1

REVISIONS

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 CHECKED BY: MB
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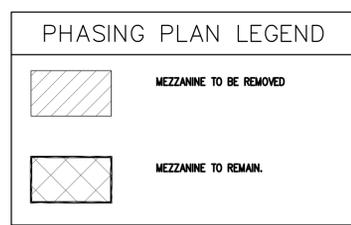
DE1.2



- DEMOLITION SYMBOL NOTES:**
- ⊕ INDICATES EXISTING DEVICE TO REMAIN.
 - Ⓞ INDICATES DEVICE TO BE RELOCATED.
 - Ⓢ INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
 - Ⓣ INDICATES ITEMS TO BE REMOVED.
- REMOVE DEVICE AND ALL CONDUCTORS PERTAINING TO THE DEVICE. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF EQUIPMENT AND PROVIDE COVER PLATES AS REQUIRED.

- GENERAL ELECTRICAL DEMOLITION NOTES:**
- DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS. LACK OF CONTRACTOR VERIFICATION WILL NOT CONSTITUTE REQUEST FOR CHANGE ORDERS.
 - ELECTRICAL CONTRACTOR TO MAINTAIN POWER TO ALL DOWN STREAM DEVICES AND CIRCUITS THAT ARE TO REMAIN DURING COMPLETION OF THE WORK INDICATED ON THESE PLANS.
 - ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK WITH RELATED TRADES.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULES FOR ALL PANELS.
 - ELECTRICAL CONTRACTOR TO DISPOSE OF ALL REMOVED ELECTRICAL DEVICES AND ALL RELATED ELECTRICAL PARTS BACK TO SOURCE UNLESS NOTED OTHERWISE.
 - ELECTRICAL CONTRACTOR HAS THE OPTION TO REUSE EXISTING RACEWAY OR PROVIDE NEW.
 - ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO ANY WORK.
 - REFER TO ANY SPECIFICATIONS PROVIDED FOR MATERIALS AND INSTALLATION INSTRUCTIONS.

MEZZANINE LEVEL LIGHTING DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



Approved
 State of Idaho
 Board of Professional Engineers
 License No. 13299
 Matthew N. Bradley
 Date of Issue: 03/13/2024
 This is not a building permit.

MUSGROVE ENGINEERING, P.A.
 234 S. Whisperwood Way
 Boise, ID 83709
 208.384.0585
 645 West 25th Street
 Idaho Falls, ID 83402
 208.522.2862
 www.musgrovepa.com
 Project No. 24-030



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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCAATELLO, IDAHO

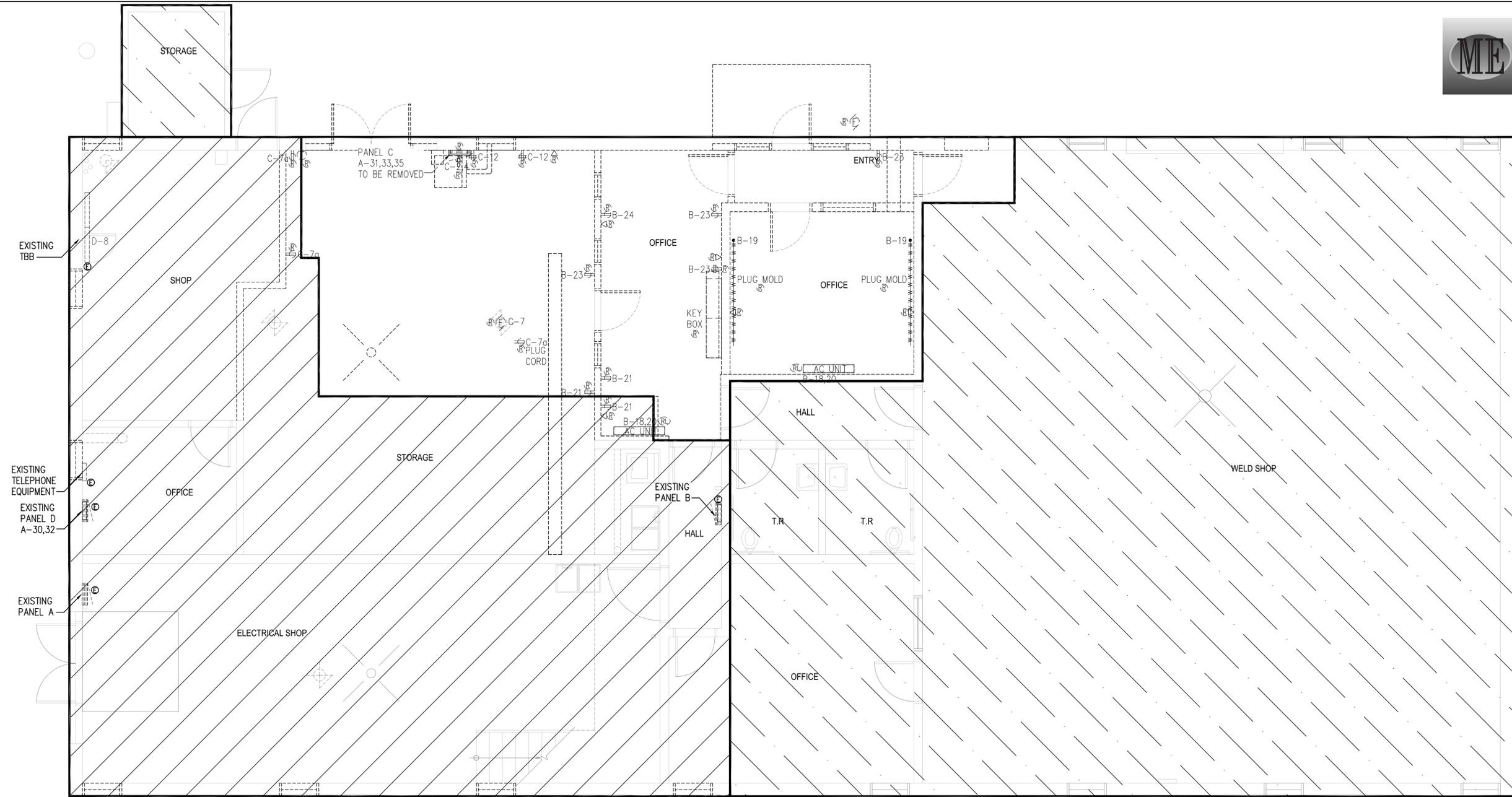
MAIN LEVEL POWER DEMOLITION PLAN

PROJECT: ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 SHEET TITLE: MAIN LEVEL POWER DEMOLITION PLAN

REVISIONS

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: CJ
 CHECKED BY: MB
 DRAWING NO.:

DE2.1



DEMOLITION SYMBOL NOTES:

- ⊕ INDICATES EXISTING DEVICE TO REMAIN.
- Ⓜ INDICATES DEVICE TO BE RELOCATED.
- Ⓢ INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
- Ⓡ INDICATES ITEMS TO BE REMOVED.

REMOVE DEVICE AND ALL CONDUCTORS PERTAINING TO THE DEVICE. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF EQUIPMENT AND PROVIDE COVER PLATES AS REQUIRED.

DEMOLITION KEY NOTES:

- ① EXISTING PANEL B TO BE REMOVED. VERIFY ALL CIRCUITS PRIOR TO WORK. CONDUIT AND WIRING TO EXISTING DEVICES IN WELD SHOP CONNECTED TO EXISTING PANEL B ARE TO REMAIN FOR REUSE. SEE MAIN LEVEL POWER INSTALLATION PLAN

GENERAL ELECTRICAL DEMOLITION NOTES:

- DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS. LACK OF CONTRACTOR VERIFICATION WILL NOT CONSTITUTE REQUEST FOR CHANGE ORDERS.
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- ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO ANY WORK.
- REFER TO ANY SPECIFICATIONS PROVIDED FOR MATERIALS AND INSTALLATION INSTRUCTIONS.

MAIN LEVEL POWER DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

PHASING PLAN LEGEND

	CURRENT WORK - PHASE 1
	FUTURE WORK - PHASE 2
	NO WORK



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PROFESSIONAL ENGINEER
 REGISTERED
 13299
 03/13/2028
 MATEW N. BRADLEY

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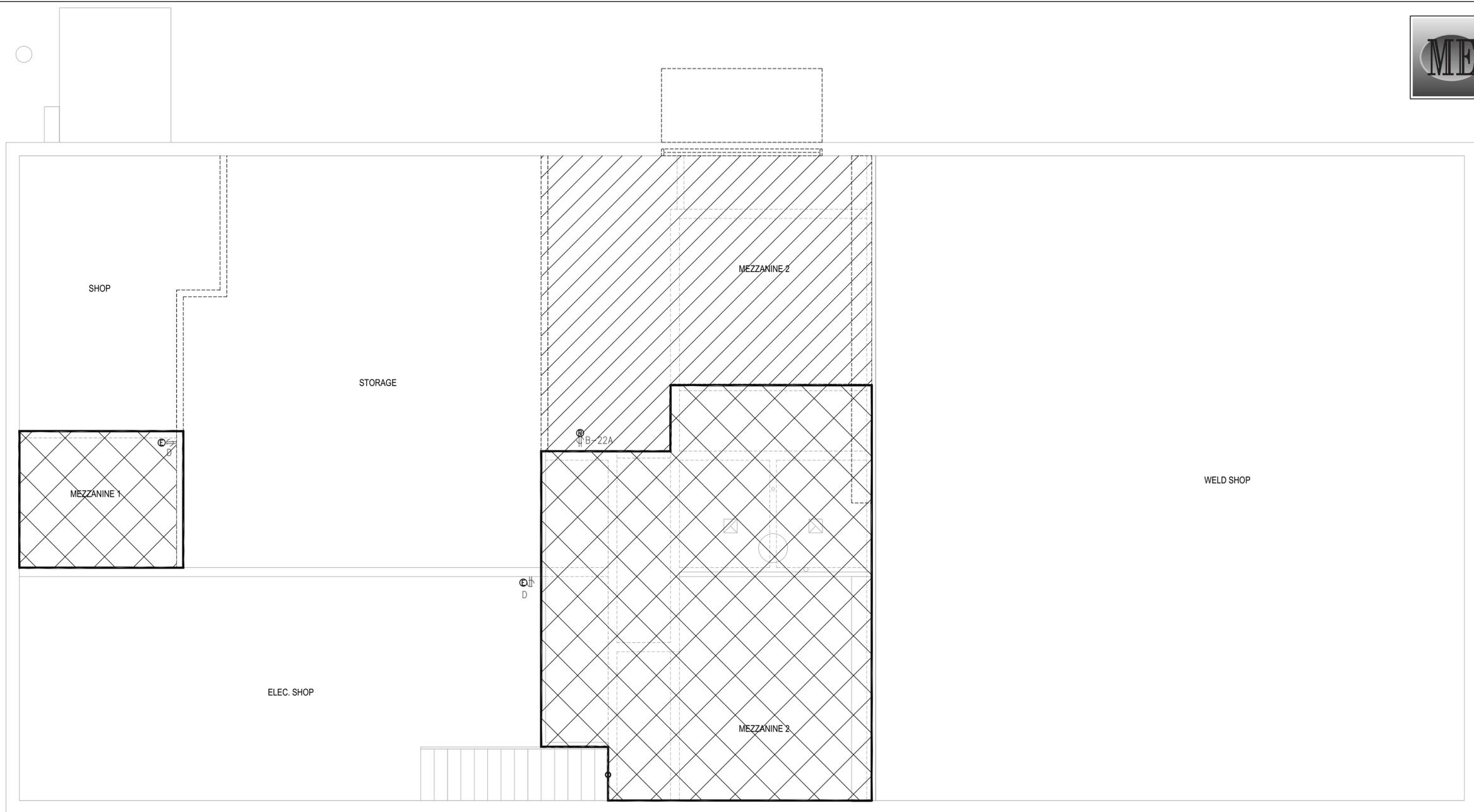
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MEZZANINE LEVEL POWER DEMOLITION PLAN

REVISIONS

NO.	DESCRIPTION

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: CJ
 CHECKED BY: MB
 DRAWING NO.:

DE2.2



DEMOLITION SYMBOL NOTES:

- ⊙ INDICATES EXISTING DEVICE TO REMAIN.
- ⊙/ INDICATES DEVICE TO BE RELOCATED.
- ⊙/⊗ INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
- ⊙/⊘ INDICATES ITEMS TO BE REMOVED.

REMOVE DEVICE AND ALL CONDUCTORS PERTAINING TO THE DEVICE. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF EQUIPMENT AND PROVIDE COVER PLATES AS REQUIRED.

GENERAL ELECTRICAL DEMOLITION NOTES:

- DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS. LACK OF CONTRACTOR VERIFICATION WILL NOT CONSTITUTE REQUEST FOR CHANGE ORDERS.
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- ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO ANY WORK.
- REFER TO ANY SPECIFICATIONS PROVIDED FOR MATERIALS AND INSTALLATION INSTRUCTIONS.

MEZZANINE LEVEL POWER DEMOLITION PLAN

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

PHASING PLAN LEGEND

	MEZZANINE TO BE REMOVED
	MEZZANINE TO REMAIN.

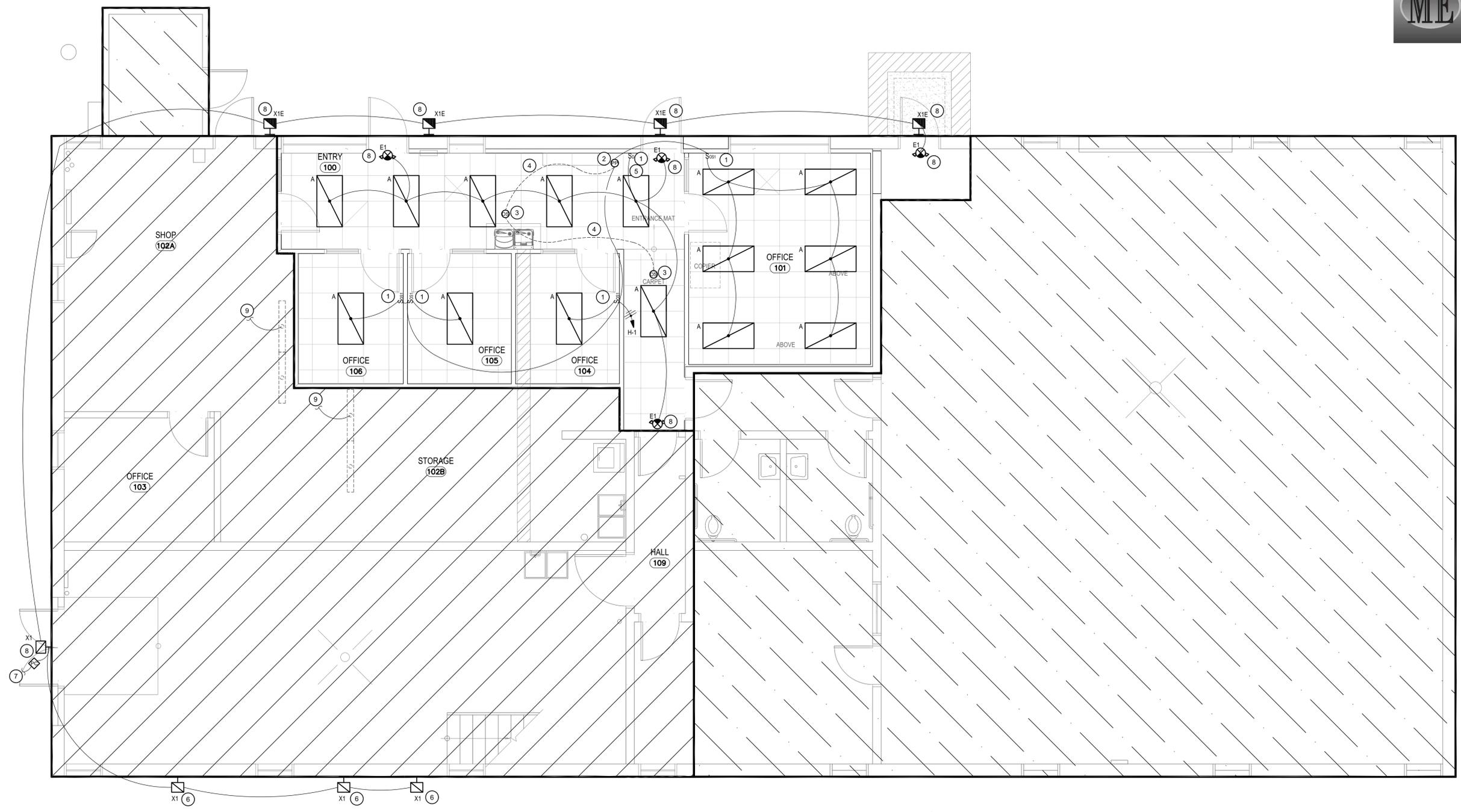
Approved
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 Professional Engineer
 License No. 13299
 Date of Issue 03/13/2024
 Matthew N. Bradley
 State of Idaho
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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 SHEET TITLE: MAIN LEVEL LIGHTING INSTALLATION PLAN



KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
1. PROVIDE AND INSTALL 0-10V DIMMING CONDUCTORS TO ALL LIGHTS CONTROLLED BY THIS SWITCH.
 2. PROVIDE AND INSTALL POWER PACK COMPATIBLE WITH CEILING OCCUPANCY SENSOR.
 3. PROVIDE AND INSTALL DUAL TECHNOLOGY CEILING MOUNT SMALL MOTION OCCUPANCY SENSOR AND CONNECT WITH LOW VOLTAGE CABLE AS RECOMMENDED BY THE MANUFACTURER.
 4. PROVIDE AND INSTALL LOW VOLTAGE CABLE BETWEEN CEILING MOUNT OCCUPANCY SENSORS, LOW VOLTAGE SWITCH, AND POWER PACK AS RECOMMENDED BY THE MANUFACTURER.
 5. PROVIDE AND INSTALL 0-10V DIMMING CONDUCTORS AND 24V LOW VOLTAGE CABLE BETWEEN POWER PACK AND SWITCH AS RECOMMENDED BY THE MANUFACTURER.
 6. INSTALL NEW LED FIXTURE AT EXISTING LOCATION.
 7. INSTALL PHOTOCELL 1FT BELOW EAIVE. INSTALL UNSWITCHED HOT CONDUCTOR TO POWER BATTERY PACKS.
 8. EXIT SIGN, EMERGENCY LIGHT, AND/OR NIGHT LIGHT. CONNECT (ALWAYS HOT) TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY LIGHTING CONTROLS.
 9. CONNECT TO EXISTING LIGHTING CIRCUIT IN ROOM.

MAIN LEVEL LIGHTING INSTALLATION PLAN

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

PHASING PLAN LEGEND

	CURRENT WORK - PHASE 1
	FUTURE WORK - PHASE 2
	NO WORK

REVISIONS

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: CJ
 CHECKED BY: MB
 DRAWING NO.:

E1.1

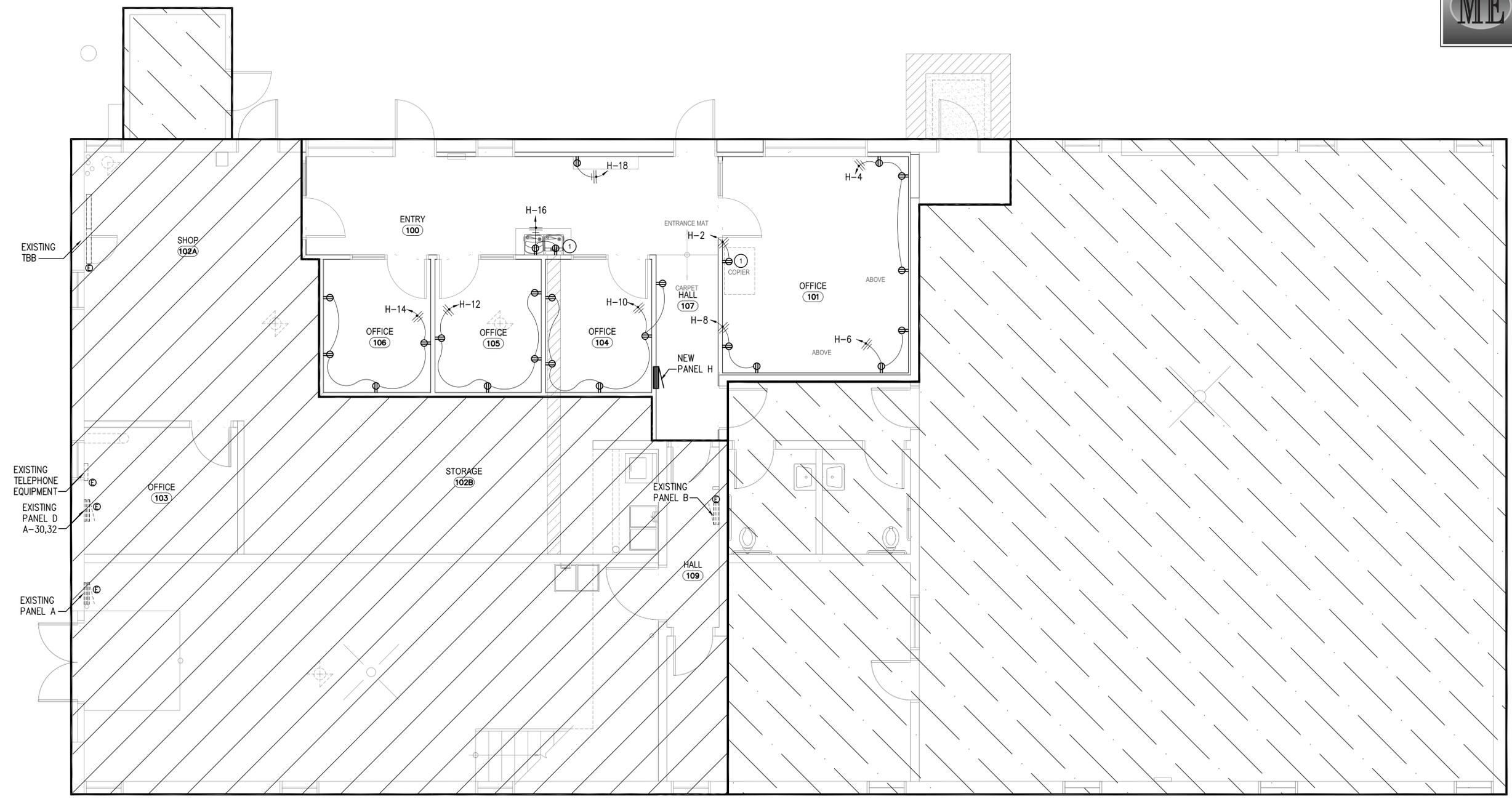
Approved
Statewide
Professional Engineer
No. 13299
Date of ID# 03/13/2024
Matthew N. Bradley
Professional Engineer
State of Idaho
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MAIN LEVEL POWER INSTALLATION PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. GROUND FAULT INTERRUPTING CIRCUIT BREAKER INSTALLED IN ELECTRICAL PANEL.

PHASING PLAN LEGEND

	CURRENT WORK - PHASE 1
	FUTURE WORK - PHASE 2
	NO WORK

DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
IDAHO STATE UNIVERSITY
POCATELLO, IDAHO

MAIN LEVEL POWER INSTALLATION PLAN

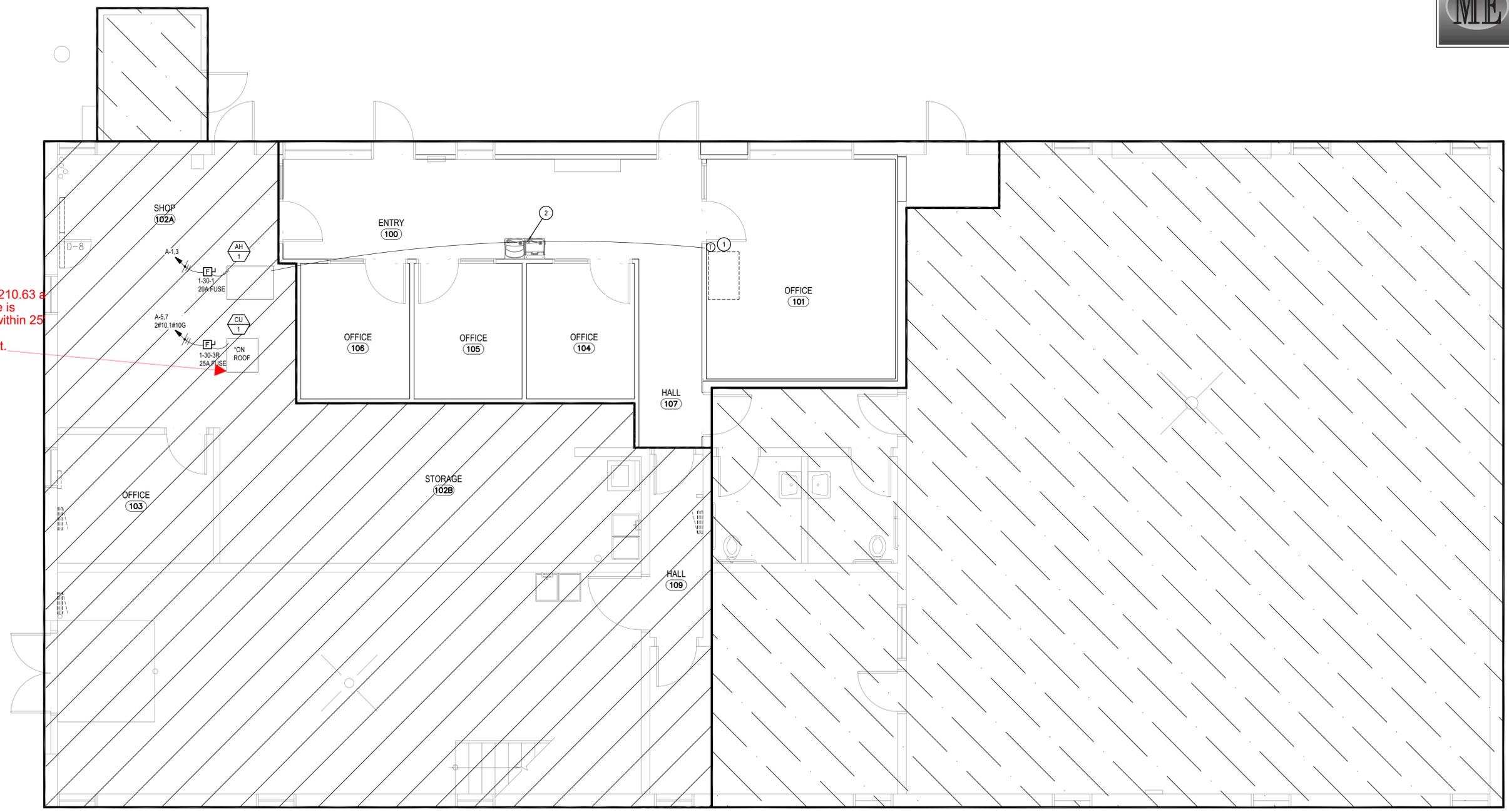
PROJECT: 19032

REVISIONS	NO.	DESCRIPTION

NEW PROJECT NO.: 19032
DATE: MARCH 2024
DRAWN BY: CJ
CHECKED BY: MB
DRAWING NO.:

E2.1

Per NEC 210.63 a receptacle is required within 25' of HVAC equipment.



MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN
 SCALE: 1/4" = 1'-0"

PHASING PLAN LEGEND	
	CURRENT WORK - PHASE 1
	FUTURE WORK - PHASE 2
	NO WORK

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. SEE E6.1 FOR THERMOSTAT ROUGH-IN DETAIL.
- 2. 3/4" FOR CONTROL.

DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO

MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN

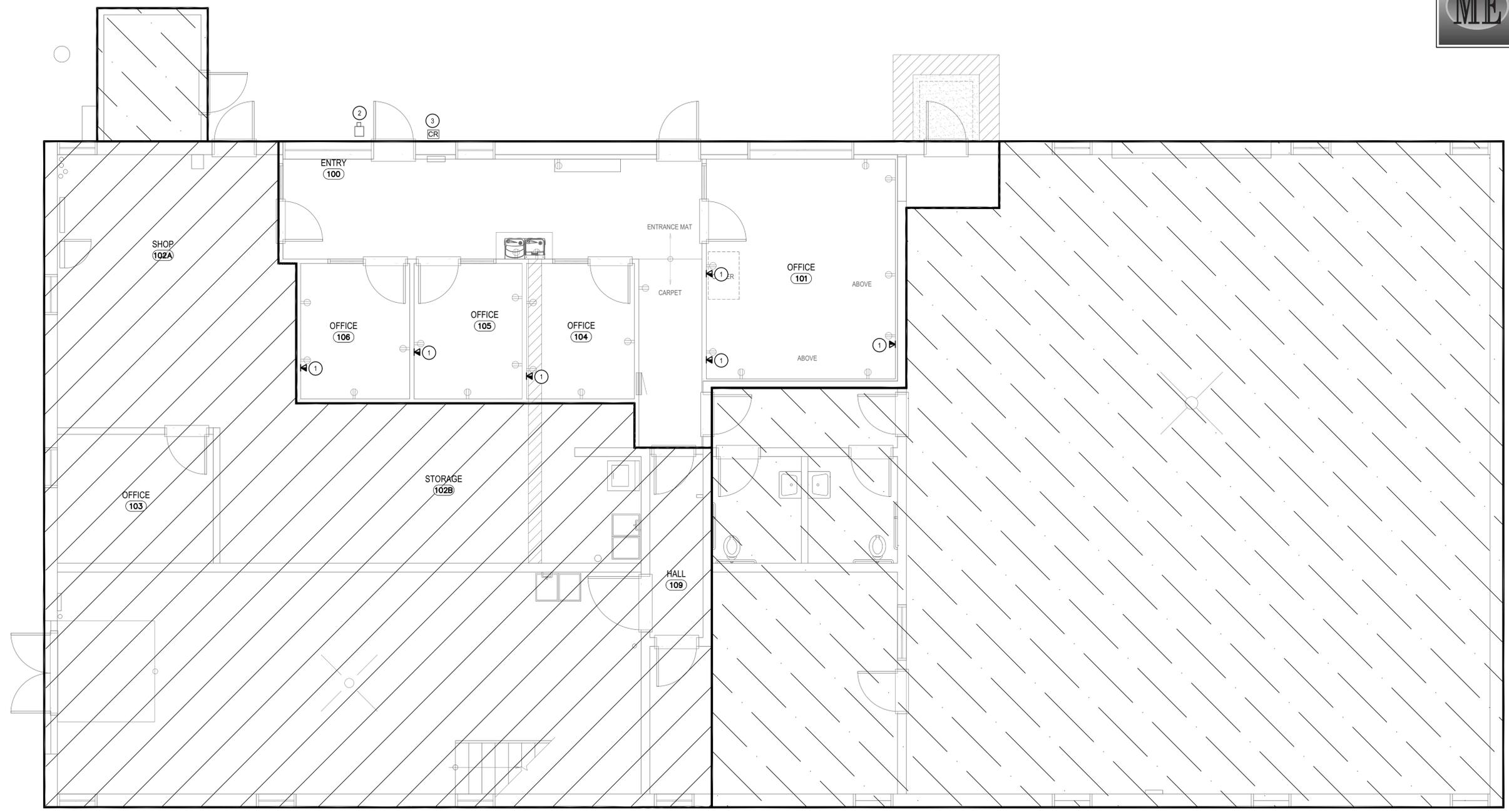
PROJECT: DPW PROJECT NO. 20-232

SHEET TITLE: MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN

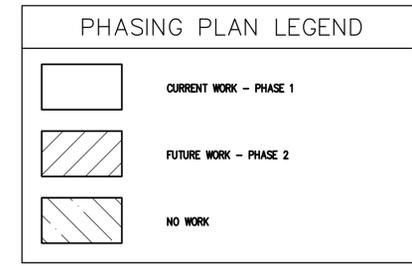
NO.	REVISIONS

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: CJ
 CHECKED BY: MB
 DRAWING NO.:

E3.1



MAIN LEVEL SPECIAL SYSTEMS INSTALLATION PLAN
 SCALE: 1/4" = 1'-0"



- KEYED NOTES:**
- # SYMBOL USED FOR NOTE CALLOUT.
- SEE SHEET E6.1 FOR DATA ROUGH-IN DETAIL.
 - SEE SHEET E6.1 FOR SECURITY CAMERA ROUGH-IN DETAIL.
 - SEE SHEET E6.1 FOR CARD READER ROUGH-IN DETAIL.

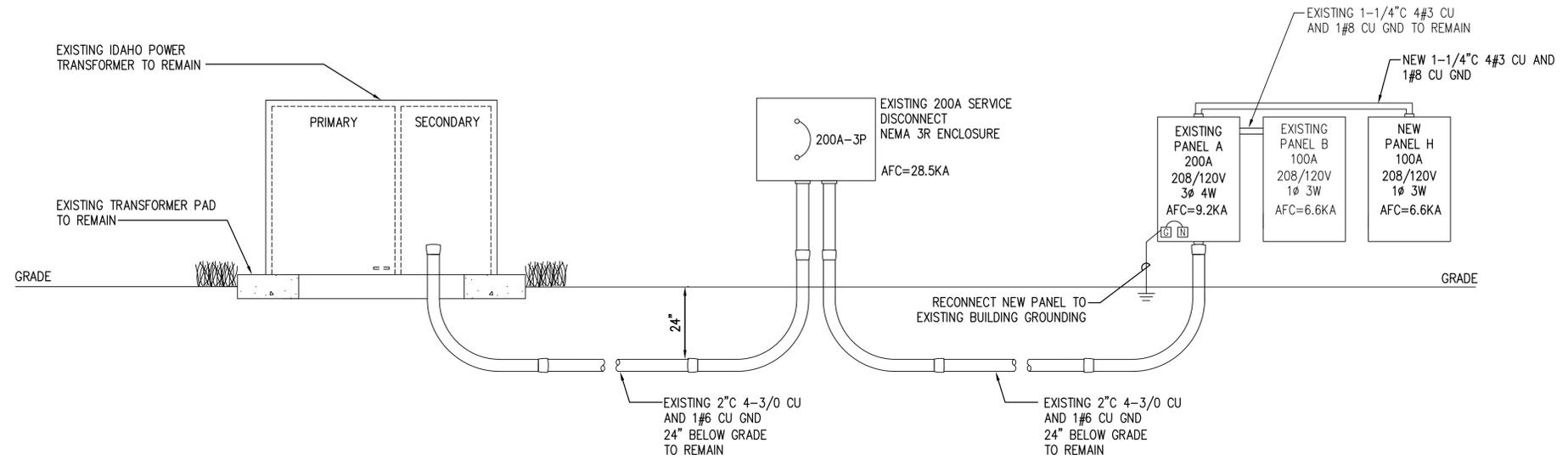
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL - PHASE 1
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 SHEET TITLE: MAIN LEVEL SPECIAL SYSTEMS INSTALLATION PLAN

REVISIONS

NO.	DESCRIPTION

NBW PROJECT NO.: 19032
 DATE: MARCH 2024
 DRAWN BY: CJ
 CHECKED BY: MB
 DRAWING NO.:

E4.1



REVISED POWER RISER
SCALE: NTS

ELECTRICAL LOAD SUMMARY (PANEL A)

FEEDER	VOLTAGE	CONNECTED LOAD (KVA)								TOTAL CONNECTED LOAD		TOTAL DEMAND LOAD		
		LIGHTING	RECEP	MOTORS	KITCHEN	HVAC	ELEC HEAT	WATER HEAT	MISC	EXIST	KVA	AMPS	KVA	AMPS
EXISTING LOAD	120/208Y									21.0	21.0	58.3	21.0	58.3
25% ADDITIONAL LOAD	120/208Y									5.3	5.3	14.6	5.3	14.6
NEW LOAD	120/208Y									61.0	61.0	169.5	61.0	169.5
LOAD REMOVED	120/208Y									-49.0	-49.0	-136.1	-49.0	-136.1
TOTAL	120/208Y	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	38.3	106.3	38.3	106.3

PANEL A (EXISTING)													
VOLTAGE: 208/120V 3PHASE DELTA B PHASE HIGH LEG DIMENSION: PER NEC LOCATION: ELEC SHOP													
PANEL AMP RATING: 225A WITH 200A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 3 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D QO LOAD CENTER													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
SPACE	A			1	0			2			A	SPACE	
SPACE	B		3			0		4			B	SPACE	
SPACE	C		5					6			C	SPACE	
SPACE	A		7		0			8			A	SPACE	
SPACE	B		9			0		10			B	SPACE	
SPACE	C		11				0	12			C	SPACE	
LIGHTS AND HEATER	A	20	13		0			14	30		A	TRASH COMPACTOR	
SPACE	B		15			0		16	**		B		
WELDING RECEP	C	15	17				0	18	**		C		3 POLE
	A	**	19		0			20	20		A	EXTERIOR LIGHTING	
	B	**	21			0		22	15		B	EAST OS OUT & IN RECEP	
SPARE	C	15	23				0	24	40		C	A/C UNITS	
LIGHTS + BENCH	A	20	25		0			26	**		A		2 POLE
SPACE	B		27			0		28	**		B	SPACE	
NOISY FAN	C	20	29			0	30	40			C	PANEL D	
PANEL C (KEY SHOP)	A	50	31		0			32	**		A		2 POLE
	B	**	33			0		34	**		B	SPACE	
	C	**	35			0	36	40			C	PANEL B	
PANEL W (WELD SHOP)	A	100	37		0			38	**		A		2 POLE
	B	**	39			0		40	**		B	SPACE	
	C	**	41			0	42	20			C	MAINTENANCE LIGHTS	
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		0		0		0		FEED FROM: SERVICE				
RATING: 200A	TOTAL LOAD PER PHASE-AMPS		0		0		0		PANEL AIC RATING: 10,000				
WIRE SIZE: #4/0 CU & 1#6 CU GND	CONDUIT SIZE: 2 1/2\"/>												

PANEL A (REVISED)													
VOLTAGE: 208/120V 3PHASE DELTA B PHASE HIGH LEG DIMENSION: PER NEC LOCATION: ELEC SHOP													
PANEL AMP RATING: 225A WITH 200A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 3 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D QO LOAD CENTER													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
AIR HANDLER AH-1	A	998	1		998			2			A	SPACE	
	B	998	3			998		4			B	SPACE	
CONDENSING UNIT CU-1	C	1223	5				1223	6			C	SPACE	
	A	1223	7		1223			8			A	SPACE	
SPACE	B		9			0		10			B	SPACE	
SPACE	C		11				0	12			C	SPACE	
LIGHTS AND HEATER	A	20	13		0			14	30		A	TRASH COMPACTOR	
SPACE	B		15			0		16	**		B		
WELDING RECEP	C	15	17				0	18	**		C		3 POLE
	A	**	19		0			20	20		A	EXTERIOR LIGHTING	
	B	**	21			0		22	15		B	EAST OS OUT & IN RECEP	
SPARE	C	15	23				0	24	40		C	A/C UNITS	
LIGHTS + BENCH	A	20	25		0			26	**		A		2 POLE
SPACE	B		27			0		28	**		B	SPACE	
NOISY FAN	C	20	29			0	30	40			C	PANEL D	
PANEL C (KEY SHOP)	A	50	31		0			32	**		A		2 POLE
	B	**	33			0		34	**		B	SPACE	
	C	**	35			0	36	40			C	PANEL B	
PANEL W (WELD SHOP)	A	100	37		0			38	**		A		2 POLE
	B	**	39			0		40	**		B	SPACE	
	C	**	41			0	42	20			C	MAINTENANCE LIGHTS	
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		2221		998		1223		FEED FROM: SERVICE				
RATING: 200A	TOTAL LOAD PER PHASE-AMPS		19		9		11		PANEL AIC RATING: 10,000				
WIRE SIZE: #4/0 CU & 1#6 CU GND	CONDUIT SIZE: 2 1/2\"/>												

PANEL B (EXISTING)													
VOLTAGE: 208/120V 3 WITH 125A CB DIMENSION: PER NEC LOCATION: HALL WAY													
PANEL AMP RATING: 125A WITH 125A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 3 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D QO LOAD CENTER													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
MECH - N WALL	A	20	1		0			2	20		A	OVERHEAD DOOR	
LIGHTS AND HEATER	B	20	3			0		4	20		B	TOILET AND HALL LIGHTS	
FAN OUTLET WEST	C	20	5				0	6	20		C	OFFICE LIGHTS	
MECH PLUGS AND LIGHTS	A	20	7		0			8	20		A	BLANK	
ROOF FAN	B	20	9			0		10	20		B	WATER HEATER	
FIRST ROW SHOP LIGHTS	C	20	11				0	12	**		C		2 POLE
SECOND ROW SHOP LIGHTS	A	20	13		0			14	20		A	ELECT SHOP	
FAN EXHAUST	B	20	15			0		16	20		B	EXISTING	
OFFICE PLUGS	C	20	17				0	18	20		C	OFFICE AC	
EAST SHOP	A	20	19			0		20	**		A		2 POLE
PLUMB LIGHTS	B	20	21				0	22	20 A/B		B	BATHROOM / BATHROOM	
WATER COOLER	C	20	23				0	24	20		C	RECEPT	
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		0		0		0		FEED FROM: PANEL A				
RATING: 100A	TOTAL LOAD PER PHASE-AMPS		0		0		0		PANEL AIC RATING: 10,000				
WIRE SIZE: #4/3 CU & 1#8 CU GND	CONDUIT SIZE: 1 1/4\"/>												

PANEL B (REVISED)													
VOLTAGE: 208/120V 3 WITH 125A CB DIMENSION: PER NEC LOCATION: HALL WAY													
PANEL AMP RATING: 125A WITH 125A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 3 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D QO LOAD CENTER													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
MECH - N WALL	A	20	1		0			2	20		A	OVERHEAD DOOR	
LIGHTS AND HEATER	B	20	3			0		4	20		B	TOILET AND HALL LIGHTS	
FAN OUTLET WEST	C	20	5				0	6	20		C	OFFICE LIGHTS	
MECH PLUGS AND LIGHTS	A	20	7		0			8	20		A	BLANK	
ROOF FAN	B	20	9			0		10	20		B	WATER HEATER	
FIRST ROW SHOP LIGHTS	C	20	11				0	12	**		C		2 POLE
SECOND ROW SHOP LIGHTS	A	20	13		0			14	20		A	ELECT SHOP	
LIGHTING TEMPORARY	B	20	15			0		16	20		B	EXISTING	
HEAT TRACE	C	20	17				0	18	20		C	RECEPT OUTSIDE	2
HEAT TRACE	A	20	19			0		20	**		A		2 POLE
RECEPT OUTSIDE	B	20	21				0	22	20 A/B		B	BATHROOM / BATHROOM	2
	C	20	23				0	24	20		C	RECEPT SOUTH WALL	2
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		0		0		0		FEED FROM: PANEL A				
RATING: 100A	TOTAL LOAD PER PHASE-AMPS		0		0		0		PANEL AIC RATING: 10,000				
WIRE SIZE: #4/3 CU & 1#8 CU GND	CONDUIT SIZE: 1 1/4\"/>												

NOTE:
1) PROVIDE AND INSTALL GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER
2) CIRCUIT MOVED FROM REMOVED PANEL C

heat trace cables to be GFCI protected per NEC 426.28

PANEL H (NEW)													
VOLTAGE: 208/120V 3 WITH 100A CB DIMENSION: PER NEC LOCATION: ELECTRICAL SHOP													
PANEL AMP RATING: 100A WITH 100A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 4 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D NQ													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
LIGHTING	A	600	20	1			780	2	20	180	A	RECEPTS - OFFICE 101 COPIER	
SPARE	B	20	3				540	4	20	540	B	RECEPTS - OFFICE 101	
SPARE	C	20	5				360	6	20	360	C	RECEPTS - OFFICE 101	
	A	**	7				360	8	20	360	A	RECEPTS - OFFICE 101	
SPARE	B	20	9				900	10	20	900	B	RECEPTS - OFFICE 104, HALL	
SPARE	C	**	11				720	12	20	720	C	RECEPTS - OFFICE 105	
SPARE	A	30	13				720	14	20	720	A	RECEPTS - OFFICE 106	
SPARE	B	**	15				360	16	20	360	B	DRINKING FOUNTAIN	
SPARE	C	20	17				180	18	20	180	C	RECEPT ENTRY	
SPARE	A	20	19			0		20	20		A	SPARE	
SPARE	B	20	21			0		22	20		B	SPARE	
SPARE	C	20	23				0	24	20		C	SPARE	
SPARE	A	20	25			0		26	20		A	SPARE	
SPARE	B	20	27				0	28	20		B	SPARE	
SPARE	C	20	29				0	30	20		C	SPARE	
SPARE	A	20	31			0		32	20		A	SPARE	
SPARE	B	20	33			0		34	20		B	SPARE	
SPARE	C	20	35				0	36	20		C	SPARE	
SPARE	A	50	37			0		38	20		A	SPARE	
SPARE	B	**	39				0	40	20		B	SPARE	
SPARE	C	20	41				0	42	20		C	SPARE	
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		1860		1800		1260		FEED FROM: PANEL A				
RATING: 100A	TOTAL LOAD PER PHASE-AMPS		16		15		11		PANEL AIC RATING: 22,000				
WIRE SIZE: #4/3 CU & 1#8 CU GND	CONDUIT SIZE: 1 1/4\"/>												

NOTE:
1) PROVIDE AND INSTALL GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER

PANEL C (REMOVED)													
VOLTAGE: 208/120V 3 WITH 100A CB DIMENSION: PER NEC LOCATION: STORAGE													
PANEL AMP RATING: 100A WITH 100A CB MOUNTING: SURFACE NEMA ENCLOSURE: 1													
WIRES: 4 PHASE: 3 FEED: BOTTOM TYPE: SQUARE D NQ													
LOAD DESCRIPTION	PH	LOAD WATT	BKR AMPS	CKT NO	LOAD A	LOAD B	LOAD C	CKT NO	BKR AMPS	LOAD WATT	PH	LOAD DESCRIPTION	
SERVICE DISCONNECT	A	50	1				0	2	40		A	WELDER OUTLET	
	B	**	3				0	4	**		B		2-POLE
	C	**	5				0	6	20		C	RECEPT OUTSIDE	
FANS, EAST AND SUSPEND RECEP	A	20	7		0			8	20		A	LIGHTS	
HEAT TRACE	B	20	9			0		10	20		B	RECEPT OUTSIDE	
HEAT TRACE	C	20	11				0	12	20		C	RECEPT SOUTH WALL	
BLANK	A		13			0		14			A	BLANK	
BLANK	B		15				0	16			B	BLANK	
FEEDER BREAKER	TOTAL LOAD PER PHASE-WATTS		0		0		0		FEED FROM: PANEL A				
RATING: 100A	TOTAL LOAD PER PHASE-AMPS		0		0		0		PANEL AIC RATING: 22,000				
WIRE SIZE: #4/3 CU & 1#8 CU GND	CONDUIT SIZE: 1 1/4\"/>												

NOTE:
1) EXISTING CIRCUIT TO BE MOVED TO EXISTING PANEL B</

