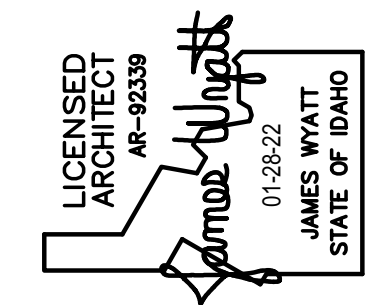


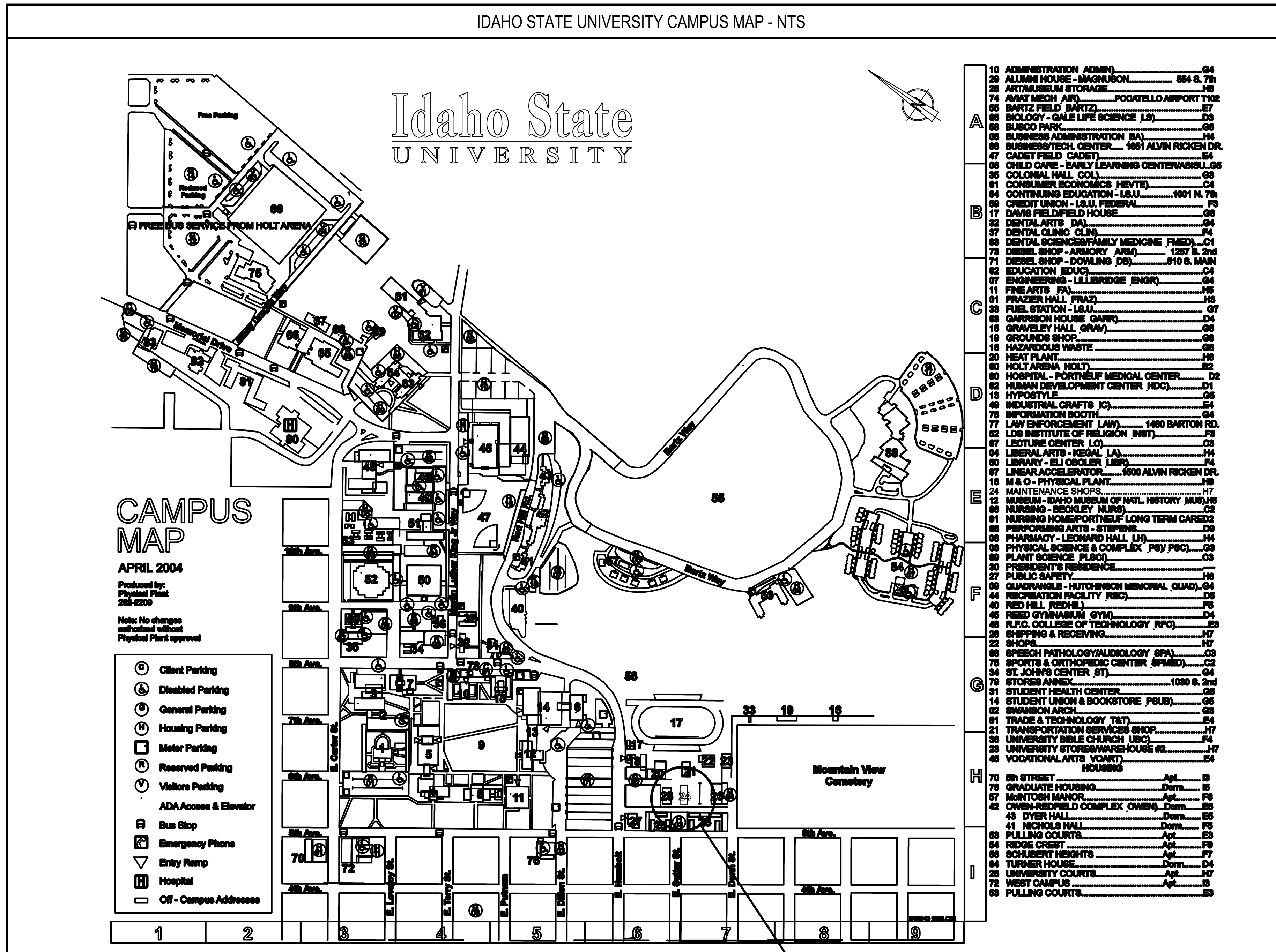
ISU CUSTODIAL OFFICE REMODEL

IDAHO STATE UNIVERSITY
POCATELLO, IDAHO



nwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
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(P) 208.522.8779 (F) 208.522.8785 (W) nwarchitects.com

IDAHO STATE UNIVERSITY CAMPUS MAP - NTS



10	ADMINISTRATION ADMIN	04
29	ALUMNI HOUSE - MAGNUSON	664 S. 7th
28	ARTISAN STORAGE	110
74	AVIAT MECH. AIR	POCATELLO AIRPORT 1102
65	BARTZ FIELD (BARTZ)	67
66	BIOLOGY - GALE LIFE SCIENCE (LS)	68
68	BUSCO PARK	68
05	BUSINESS ADMINISTRATION (BA)	114
86	BUSINESS/TECH. CENTER	1601 ALVIN RICKEN DR.
47	CADET FIELD (CADET)	64
08	CHILD CARE - EARLY LEARNING CENTER/ASBULL	66
35	COLONIAL HALL (CS)	68
01	CONSUMER ECONOMICS (HEVTE)	04
84	CONTINUING EDUCATION - ISU	1001 N. 7th
89	CREDIT UNION - ISU, FEDERAL	78
17	DAVIS FIELD FIELD HOUSE	68
32	DENTAL ARTS (DA)	04
37	DENTAL CLINIC (CLIN)	74
88	DENTAL SCIENCES/FAMILY MEDICINE (FIED)	01
79	DIESEL SHOP - ARMORY AREA	1287 S. 2nd
71	DIESEL SHOP - DOWLING (DS)	810 S. MAIN
62	EDUCATION EDUC.	04
07	ENGINEERING - LILLIBRIDGE ENGR.	04
11	FINE ARTS (FA)	115
01	FRAZER HALL (FRAZ)	118
33	FUEL STATION - ISU	07
83	GARRISON HOUSE (GARR)	04
15	GRAVELEY HALL (GRAV)	68
18	GRANDS SHOP	68
16	HAZARDOUS WASTE	68
20	HEAT PLANT	118
60	HOLT ARENA (HOLT)	68
80	HOSPITAL - PARTNERSHIP MEDICAL CENTER	122
82	HUMAN DEVELOPMENT CENTER (HDC)	01
13	HYPOSTYLE	68
48	INDUSTRIAL CRAFTS (IC)	84
73	INFORMATION BOOTHS	04
77	LAW ENFORCEMENT (LAW)	1480 BARTON RD.
82	LDS INSTITUTE OF RELIGION (INST)	73
67	LECTURE CENTER (LC)	03
04	LIBERAL ARTS - (ESAL) (LA)	114
80	LIBRARY - ELI OSOBER (LIB)	74
67	LINEAR ACCELERATOR	1600 ALVIN RICKEN DR.
18	M & O - PHYSICAL PLANT	117
24	MAINTENANCE SHOPS (MS)	117
12	MUSEUM - IDAHO MUSEUM OF NATL. HISTORY (MUSE)	118
86	NURSING - BECKLEY (NURS)	02
81	NURSING HOME/PORTNELL LONG TERM CARE	02
88	PERFORMING ARTS - STEPHENS	03
06	PHARMACY - LEONARD HALL (LH)	114
03	PHYSICAL SCIENCE & COMPLEX (PS) (FSC)	03
89	PLANT SCIENCE (PLSC)	03
27	PRESIDENT'S RESIDENCE	118
27	PUBLIC SAFETY	118
09	QUADRANGLE - HUTCHINSON MEMORIAL (QUAD)	04
44	RECREATION FACILITY (REC)	06
46	RED HILL (REDH)	78
46	RED GYMNASIUM (GYM)	04
46	R.F.C. COLLEGE OF TECHNOLOGY (RFC)	83
28	SHOPPING & RECEIVING	117
22	SHOPS	117
88	SPEECH PATHOLOGY/AUDIOLOGY (SPA)	03
76	SPORTS & ORTHOPEDIC CENTER (SPMED)	02
34	ST. JOHN'S CENTER (ST)	04
79	STORES ANNEX	1080 S. 2nd
81	STUDENT HEALTH CENTER	06
14	STUDENT UNION & BOOKSTORE (FSUB)	06
02	SWANSON ARCH	03
81	TRADE & TECHNOLOGY (T&T)	84
24	TRANSPORTATION SERVICES SHOP	117
36	UNIVERSITY ISBLE CHURCH (USC)	74
23	UNIVERSITY STORES/WAREHOUSE #2	117
46	VOCATIONAL ARTS (VOART)	84
70	5th STREET	Apt. 13
76	GRADUATE HOUSING	Dom. 16
67	MONTOSH MANOR	Apt. 78
42	OWEN-REDFIELD COMPLEX (OWEN)	Dom. 83
43	DYER HALL	Dom. 83
41	NICHOLS HALL	Dom. 78
83	PULLING COURTS	Apt. 83
84	RIDGE CREST	Apt. 78
86	SCHUBERT HEIGHTS	Apt. 77
84	TURNER HOUSE	Dom. 04
25	UNIVERSITY COURTS	Apt. 17
72	WEST CAMPUS	Apt. 18
83	PULLING COURTS	83

CONSULTANTS

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1385 EAST CENTER
POCATELLO, IDAHO 83201
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FAX: (208) 233-0529

ELECTRICAL ENGINEER: MUSGROVE ENGINEERING, P.A.
645 W 25TH STREET
IDAHO FALLS, IDAHO 83402
TELEPHONE: (208) 523-2862
FAX: (208) 523-2864

DRAWING INDEX

ARCHITECTURAL	
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A1.0	MAIN FLOOR DEMOLITION PLAN
A1.1	MEZZANINE DEMOLITION PLAN
A1.2	NEW MAIN FLOOR PLAN
A1.3	WALL TYPES AND ROOM FINISH SCHEDULE
A1.4	NEW MEZZANINE PLAN
A2.1	EXTERIOR ELEVATIONS
A2.2	EXTERIOR ELEVATIONS
A3.1	WALL SECTIONS
A3.2	WALL SECTIONS
A4.1	DOOR AND WINDOW SCHEDULES AND DETAILS
A5.1	REFLECTED CEILING PLAN
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PLUMBING	
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MECHANICAL	
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ELECTRICAL	
E0.1	ELECTRICAL TITLE SHEET
DE1.1	MAIN LEVEL LIGHTING DEMOLITION PLAN
DE1.2	MEZZANINE LEVEL LIGHTING DEMOLITION PLAN
DE2.1	MAIN LEVEL POWER DEMOLITION PLAN
DE2.2	MEZZANINE LEVEL POWER DEMOLITION PLAN
E1.1	MAIN LEVEL LIGHTING INSTALLATION PLAN
E2.1	MAIN LEVEL POWER INSTALLATION PLAN
E3.1	MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN
E4.1	MAIN LEVEL SPECIAL SYSTEMS INSTALLATION PLAN
E5.1	PANEL SCHEDULES AND SINGLE LINE DIAGRAM
E6.1	ELECTRICAL DETAILS
E7.1	LIGHTING DETAILS

SYMBOLS LEGEND

DETAIL
SCALE: 7" = 1'-0"
DETAIL NUMBER
DETAIL TITLE TAG
PAGE NUMBER

ELEVATION
SCALE: 7" = 1'-0"
DETAIL NUMBER
ELEVATION TITLE TAG
PAGE NUMBER

HEAD
SCALE: 7" = 1'-0"
DETAIL NUMBER
HEAD DETAIL TAG
PAGE NUMBER

SILL
SCALE: 7" = 1'-0"
DETAIL NUMBER
SILL DETAIL TAG
PAGE NUMBER

JAMB
SCALE: 7" = 1'-0"
DETAIL NUMBER
JAMB DETAIL TAG
PAGE NUMBER

SECTION
SCALE: 7" = 1'-0"
DETAIL NUMBER
SECTION TITLE TAG
PAGE NUMBER

TITLE
SCALE: 7" = 1'-0"
MAIN TITLE TAG

ELEV. 100'-0"
FINISHED FLOOR
ELEVATION HEIGHT TAG

BREAK LINE

SECTION NUMBER
BUILDING SECTION TAG
PAGE NUMBER

CEILING TYPE
CEILING TAG
CEILING HEIGHT

DETAIL NUMBER
DETAIL TAG
PAGE NUMBER

DOOR TAG

DRAWING NOTE

ELEVATION TAG

FLOOR TYPE TAG

NORTH ARROW

REVISION TAG

ROOF TYPE TAG

ROOM
ROOM NAME
ROOM NAME TAG
ROOM NUMBER

SECTION NUMBER
WALL SECTION TAG
PAGE NUMBER

WALL TYPE TAG

WINDOW TAG

CODE ANALYSIS

GOVERNING CODE: 2018 IBC

TYPE OF CONSTRUCTION: V-B

BUILDING OCCUPANCY: B AND F1

TOTAL AREA OF TENANT IMPROVEMENT: 5,499 SQFT

BUILDING IS NON-SPRINKLERED

EXIT ACCESS TRAVEL DISTANCE (WITHOUT SPRINKLER SYSTEM):
MAXIMUM PERMITTED LENGTH = 200 LF
ACTUAL LENGTH = 70 LF

ALLOWABLE AREA:
ALLOWABLE AREA: B OCCUPANCY V-B, NON SPRINKLERED = 9,000 SF+2,986 SF
ALLOWABLE AREA: F1 OCCUPANCY V-B, NON SPRINKLERED = 8,500 SF+2,513 SF

OCCUPANT LOAD:	AREA	FACTOR	OCC LOAD
B	2,986	150	20
F1	2,513	100	25
TOTAL	5,499		45

CONSTRUCTION SITE

Agency Construction Approval

CONSTRUCTION APPROVAL BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY (IDAHO CODE 87-6716)

This is to indicate that I or my designated staff have reviewed the final plans and specifications for 202322 (2023 New Office/Work Site, Main/Work Site)

Agency: 0001

Agency Design Authority: Chief/Inspector

Approval: Approved

Name or Role	Status	Action
1. Agency - Signature Authority	Approved	24-Jan-2022 16:17:19 (PST)
2. Project Manager	Approved	25-Jan-2022 16:58:08 (PST)
3. Project Manager - Signer	Approved	25-Jan-2022 16:58:08 (PST)
4. DPW Administrator	Approved	25-Jan-2022 12:25:19 (PST)

Date: 1-Feb-2022

This is not a building permit
Plan Approval #BLD2201-0009
Date: 03/11/22
These documents have been reviewed for code compliance by the Division of Occupational and Professional Licenses. This review shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules, or laws applicable to this project. Corrections will be required for any code violations found during the inspection process.

DPW PROJECT NO. 20-232

ISU CUSTODIAL OFFICE REMODEL

IDAHO STATE UNIVERSITY
POCATELLO, IDAHO

TITLE SHEET AND INDEX

PROJECT: 19032

DATE: JANUARY 2022

DRAWN BY: KP

CHECKED BY: JHW

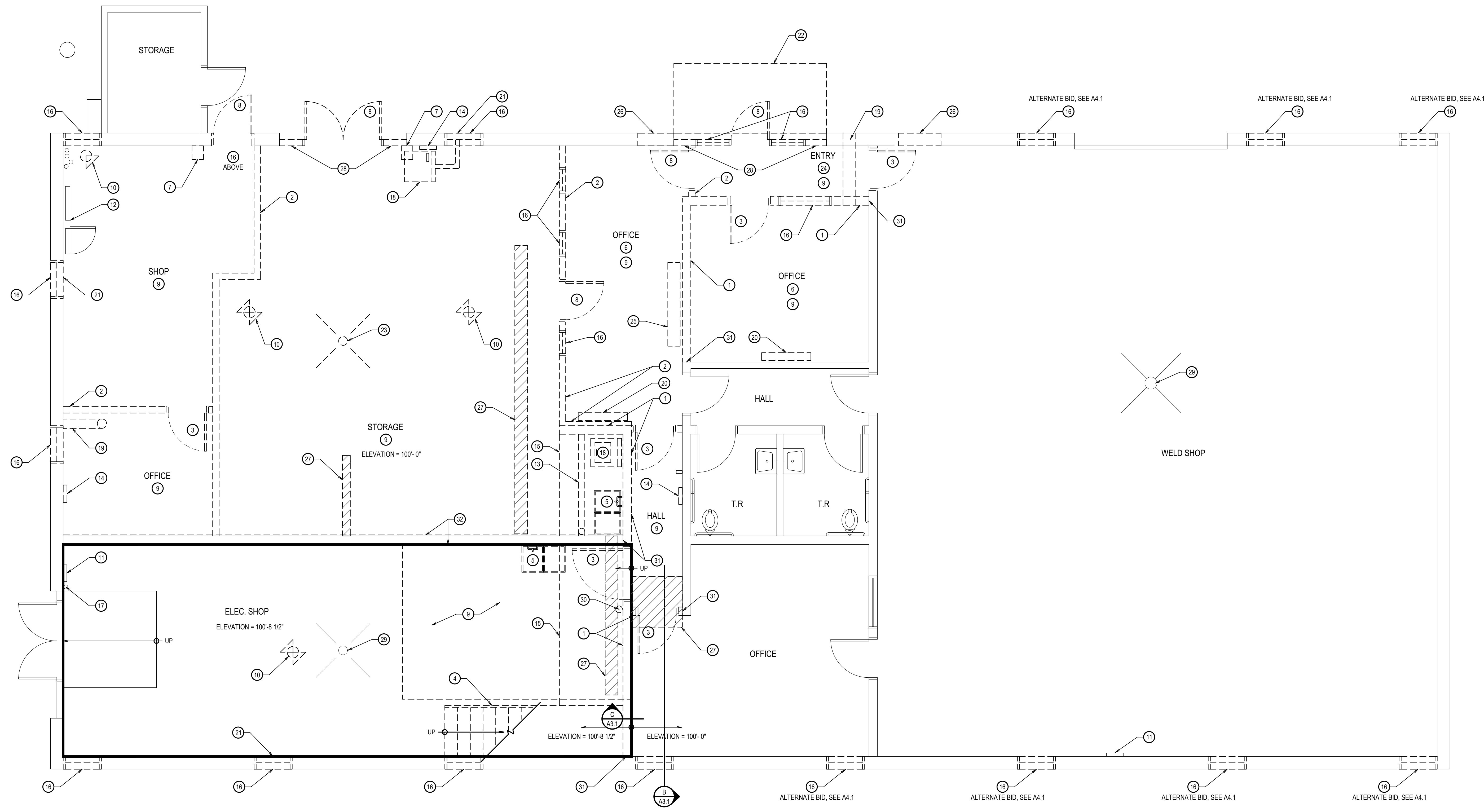
DRAWING NO.: **A0.1**

REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: KP
CHECKED BY: JHW
DRAWING NO.:

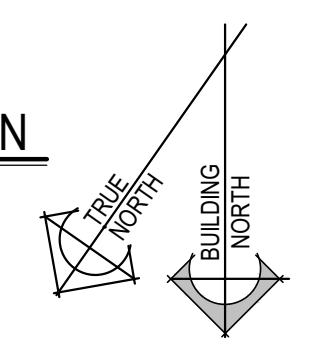
A1.0

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MAIN FLOOR DEMOLITION PLAN

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



GENERAL NOTES

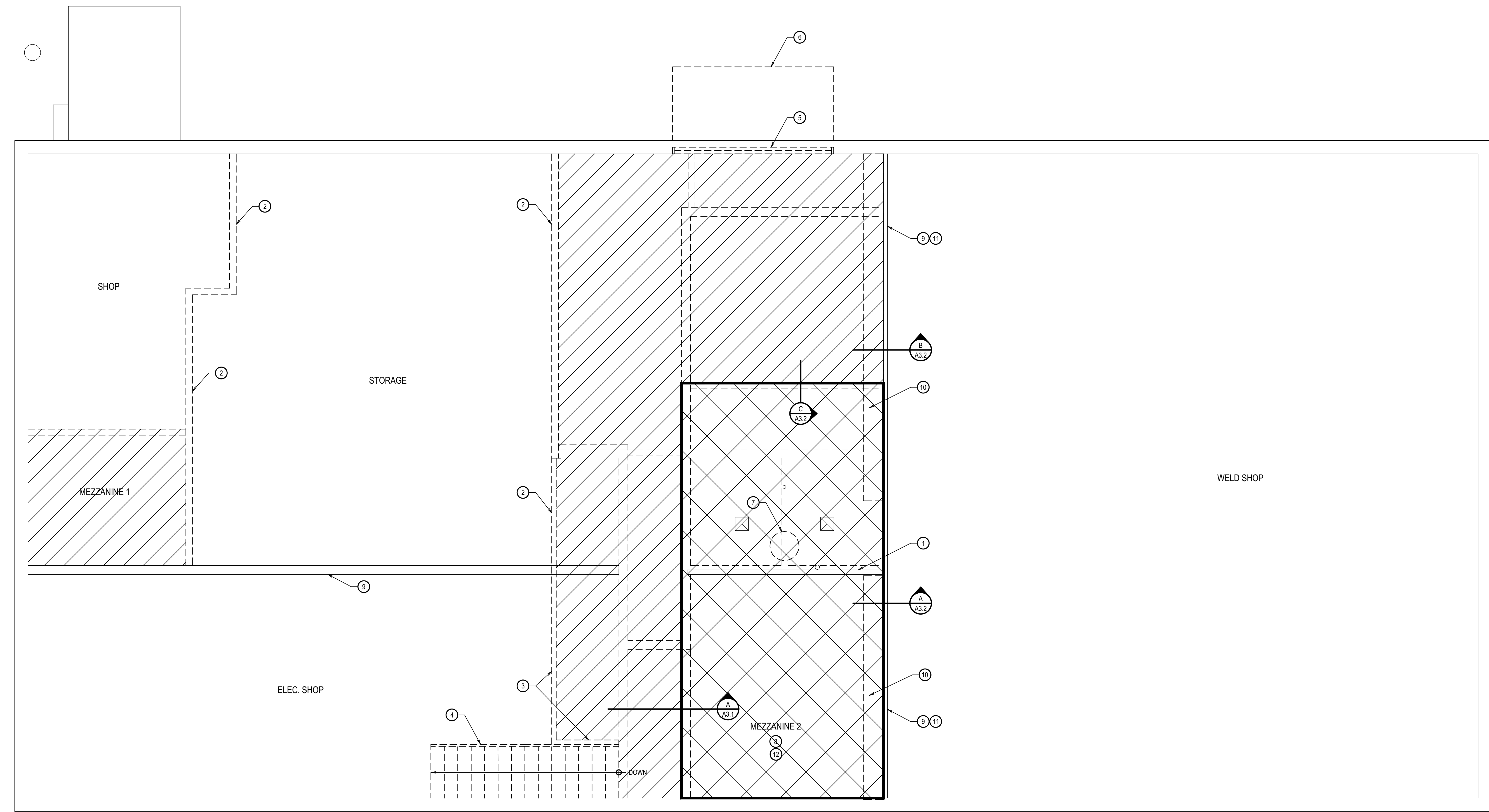
- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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). |
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KEYNOTES

- | | | |
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| <ol style="list-style-type: none"> REMOVE EXISTING CMU WALL AS REQUIRED FOR NEW CONSTRUCTION. REMOVE EXISTING WOOD STUD WALL COMPLETE. REMOVE EXISTING WOOD DOOR & FRAME. REMOVE EXISTING WOOD STAIRS COMPLETE. REMOVE EXISTING SINK. 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. REMOVE EXISTING UNIT HEATER COMPLETE. EXISTING ELECTRICAL PANEL TO REMAIN EXISTING DATA PANEL TO REMAIN | <ol style="list-style-type: none"> REMOVE EXISTING STEEL COLUMN AND WOOD BEAM REMOVE EXISTING ELECTRICAL PANEL REMOVE MEZZANINE TO EXTENT SHOWN ON SHEET A1.1. 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 RETURN TO OWNER UNINSTALL AIR CONDITIONING UNIT AND RETURN TO OWNER REMOVE CANOPY ABOVE REMOVE EXISTING FLOOR DRAIN | <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 AND PATCH EXISTING CONCRETE SLAB. REMOVE EXISTING DOOR SURROUND EXISTING FLOOR DRAIN TO REMAIN RE-LOCATE EXISTING FIRE EXTINGUISHER GRIND SMOOTH EXISTING CMU WALL/ CONCRETE FLOOR WHERE ABUTTING CMU WALL HAS BEEN REMOVED, TYPICAL. REMOVE EXISTING PLYWOOD SHEATHING ATTACHED TO CMU WALL IF REQUIRED BY NEW CONSTRUCTION |
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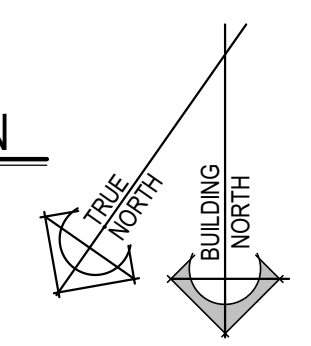
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MEZZANINE DEMOLITION PLAN

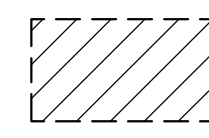
SCALE: 1/4" = 1'-0"

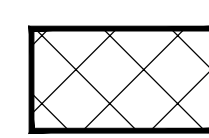


GENERAL NOTES

- | | |
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| <ol style="list-style-type: none"> 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. 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. |
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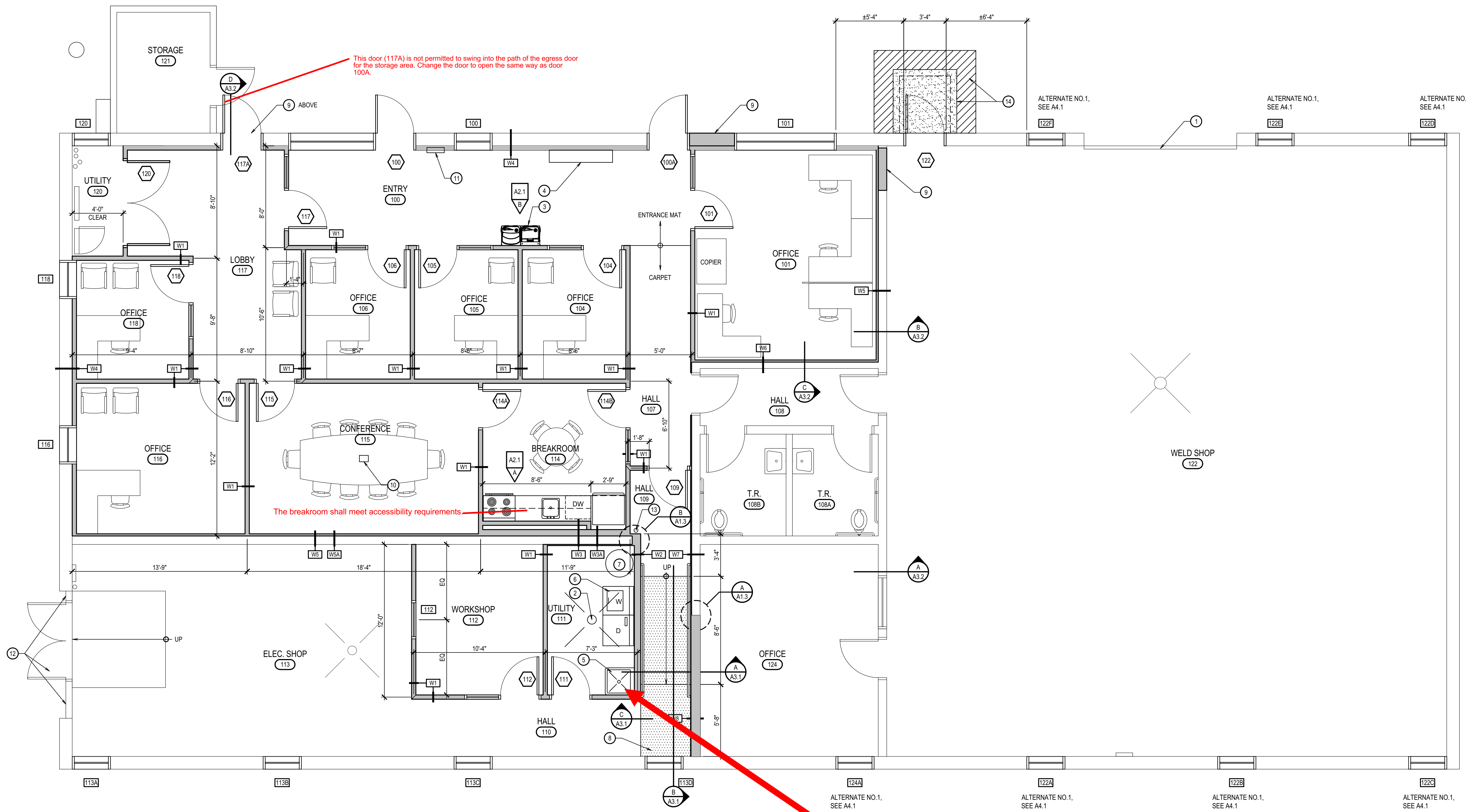
KEYNOTES

- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> EXISTING WOOD STUD WALL TO REMAIN REMOVE EXISTING WOOD STUD WALL COMPLETE REMOVE EXISTING WOOD STUD PONY WALL REMOVE EXISTING WOOD STAIRS COMPLETE REMOVE EXISTING WINDOW REMOVE EXISTING CANOPY UNINSTALL EXISTING WATER HEATER AND REINSTALL IN NEW UTILITY ROOM, SEE PLUMBING DRAWINGS PORTION OF EXISTING MEZZANINE TO REMAIN EXISTING WALL CMU WALL TO REMAIN REMOVE SHELVING UNITS | <ol style="list-style-type: none"> EXISTING WOOD STUD / PEGBOARD WALL ON CMU WALL TO REMAIN SHORE UP MEZZANINE TO REMAIN AS REQUIRED TO REMOVE WALLS BELOW |  MEZZANINE TO BE REMOVED

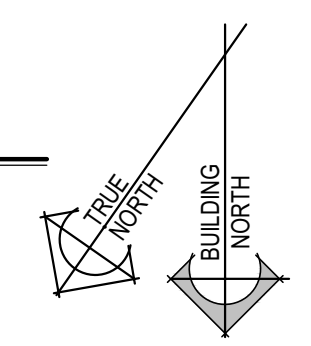
 MEZZANINE TO REMAIN. THE MAIN FLOOR CEILINGS ARE ATTACHED TO MEZZANINE STRUCTURE AND ARE TO REMAIN INTACT. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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

NO.	DATE	DESCRIPTION

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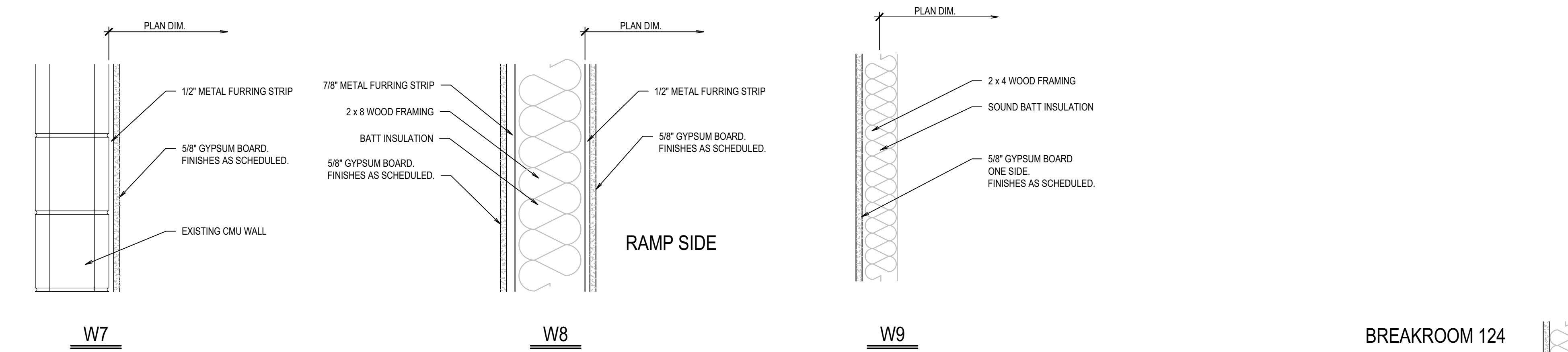
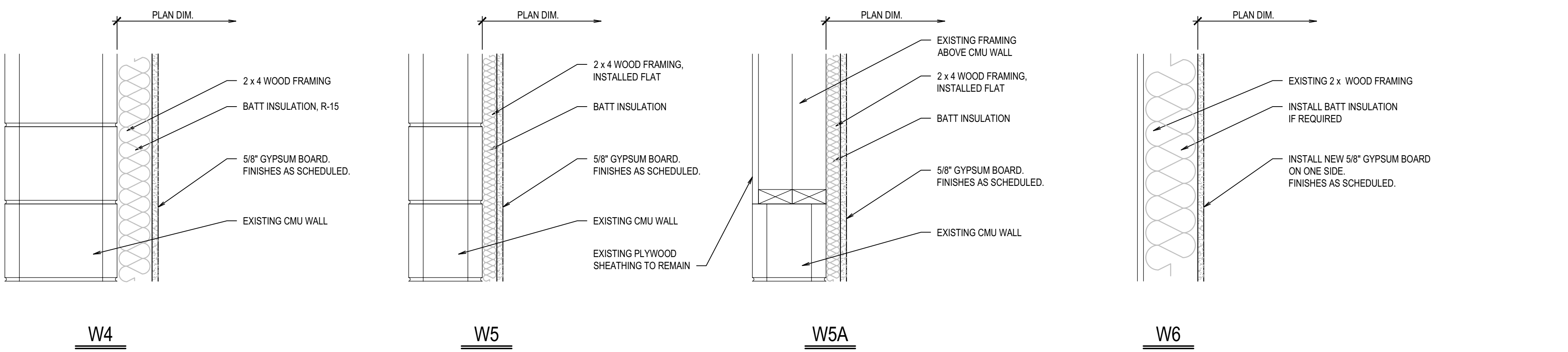
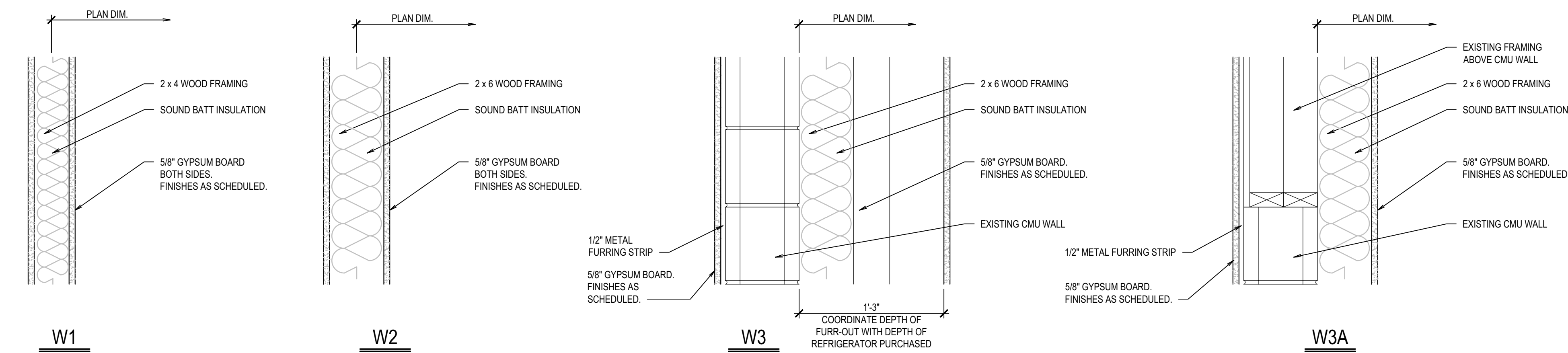


NEW MAIN FLOOR PLAN
 SCALE: 1/4" = 1'-0"



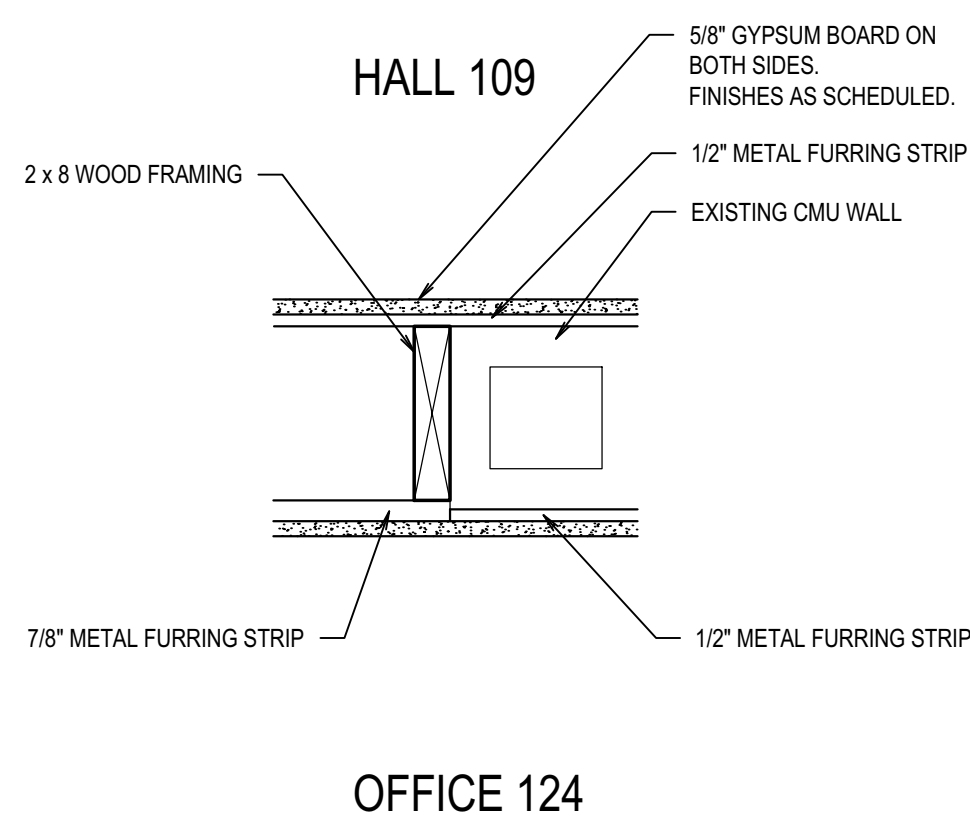
GENERAL NOTES	
1. SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK.	DURING CONSTRUCTION, REPLACE DAMAGED MATERIALS TO MATCH EXISTING.
2. SEE MECHANICAL DRAWINGS FOR MECHANICAL CEILING PENETRATIONS AND ALL MECHANICAL WORK.	9. PROTECT ALL EXISTING-TO-REMAIN ITEMS (WHETHER SO NOTED OR NOT) AND 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.
4. ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS.	12. ALL NEW INTERIOR WALLS AND FURR-OUTS TO BE 2 X 4 WOOD STUDS UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.	
6. 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. CLEAN EXISTING OVERHEAD DOOR	11. FIRE EXTINGUISHER CABINET
2. NEW FLOOR DRAIN	12. PREPARE AND PAINT HOLLOW METAL DOOR, DOOR FRAME AND WOOD SIDING SURROUND
3. ADA COMPLIANT DRINKING FOUNTAIN	13. INSTALL EXISTING FIRE EXTINGUISHER IN NEW LOCATION
4. RE-INSTALL EXISTING TIME CLOCK MACHINE / LOCKABLE KEY CABINET	14. 5'-0" x 5'-0" x 4" CONCRETE STOOP WITH 8" x 30" DEEP FROST WALLS. SLOPE 1/4" PER FOOT AWAY FROM BUILDING. PATCH AND REPAIR ASPHALT AROUND IT.
5. MOP SINK	
6. RE-INSTALL EXISTING WASHER AND DRYER	
7. RE-INSTALL EXISTING WATER HEATER	
8. NEW CONCRETE RAMP	
9. INFILL OPENING WITH CONCRETE MASONRY UNITS TO MATCH EXISTING ADJACENT	
10. ELECTRICAL FLOOR BOX, SEE ELECTRICAL DRAWINGS	

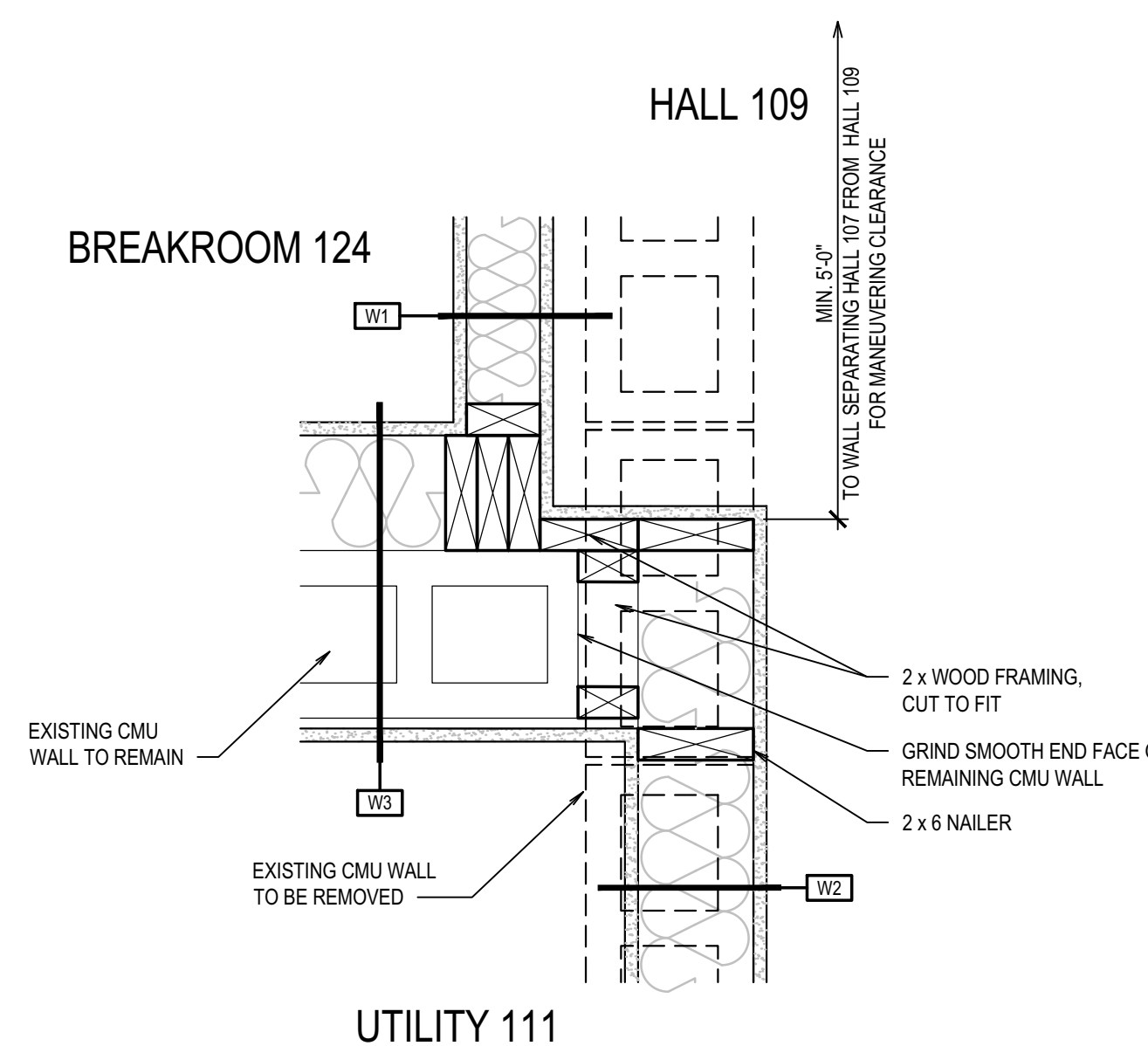


WALL TYPES

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



DETAIL A
SCALE: 1 1/2" = 1'-0" A1.3



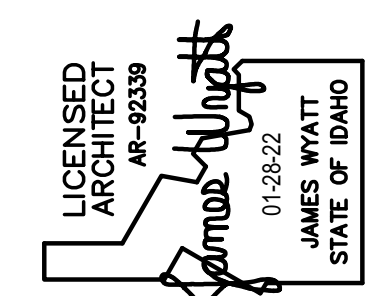
DETAIL B
SCALE: 1 1/2" = 1'-0" B1.3

ROOM FINISH SCHEDULE

NO.	AREA NAME	FLOOR	BASE	WALLS				CEILING																		
				NORTH	EAST	SOUTH	WEST																			
		SEALED CONCRETE	ENTRANCE MATTING	LUXURY VINYL TILE	SEE DESIGNATED KEYNOTE	COVERED RUBBER BASE	TEXTURED/PAINTED GYP. BOARD	CMU PAINT	PAIN ONLY	FIBER REINFORCED PLASTIC PANELS	SEE DESIGNATED KEYNOTE	TEXTURED/PAINTED GYP. BOARD	PAINT ONLY	FIBER REINFORCED PLASTIC PANELS	SEE DESIGNATED KEYNOTE	TEXTURED/PAINTED GYP. BOARD	CMU PAINT	PAIN ONLY	FIBER REINFORCED PLASTIC PANELS	SEE DESIGNATED KEYNOTE	2 x 2 LAY-IN PANELS	SUSPENDED GYPSUM BOARD	OPEN TO STRUCTURE	SEE DESIGNATED KEYNOTE		
MAIN LEVEL																										
100	ENTRY																									
101	OFFICE																									
104	OFFICE																									
105	OFFICE																									
106	OFFICE																									
107	HALL																									
108	HALL																									
108A	T.R.																									
108B	T.R.																									
109	HALL																									
110	HALL																									
111	UTILITY																									
112	WORKSHOP																									
113	ELECTRICAL SHOP																									
114	BREAKROOM																									
115	CONFERENCE																									
116	OFFICE																									
117	LOBBY																									
118	OFFICE																									
120	UTILITY																									
122	WELDSHOP																									
124	OFFICE																									

DESIGNATED KEYNOTES:
 1. FULL HEIGHT FRP
 2. CERAMIC TILE AT DRINKING FOUNTAIN, SEE B/A2.1
 3. CERAMIC TILE BACKSPASH, SEE A/A2.1
 4. SEE FLOOR PLAN FOR TRANSITION OF FLOOR COVERINGS

NOTE: STANDARD FIELD PAINT COLOR: SW 7010 WHITE DUCK
 STANDARD ACCENT PAINT COLORS: SHERWIN WILLIAMS: ISU CUSTOM PAINT COLOR - GROWLING GRAY, ISU CUSTOM PAINT COLOR - ROARANGE, SW 7669 SUMMIT GRAY, SW 7017 DORIAN GRAY, SW 7015 REPOSE GRAY. LOCATION OF FIELD AND ACCENT PAINT COLORS TO BE DETERMINED.



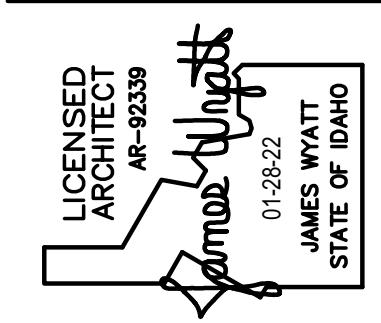
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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: KP
 CHECKED BY: JHW
 DRAWING NO.: A1.3

A1.3

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 Plan Approval #BLD2201-0009
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PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: NEW MEZZANINE PLAN

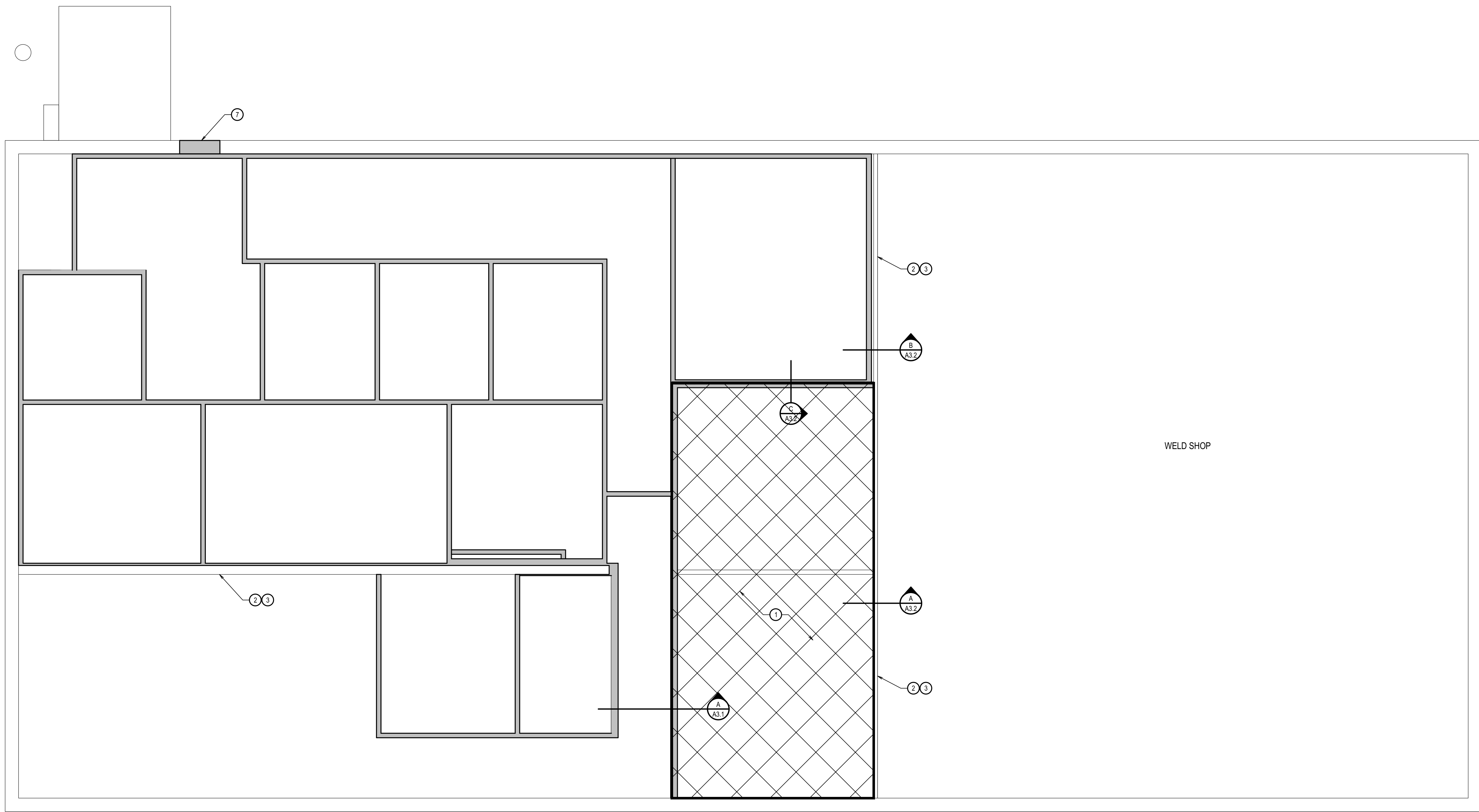
NO.	REVISIONS

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: KP
 CHECKED BY: JHW

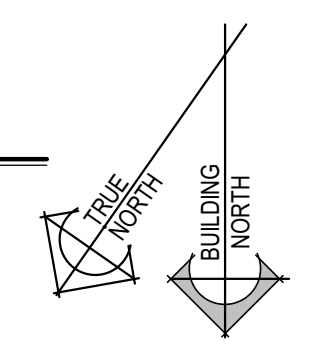
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A1.4

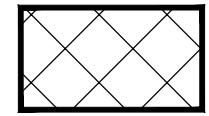
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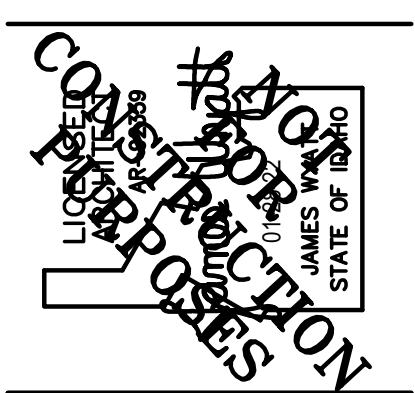


NEW MEZZANINE PLAN
 SCALE: 1/4" = 1'-0"



- 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**
- PORTION OF EXISTING MEZZANINE TO REMAIN
 - EXISTING WALL CMU WALL BELOW TO REMAIN
 - EXISTING WOOD STUD / PEGBOARD WALL ON TOP OF CMU WALL TO REMAIN
-  MEZZANINE TO REMAIN. THE MAIN FLOOR CEILING ARE ATTACHED TO MEZZANINE STRUCTURE AND ARE TO REMAIN INTACT.



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

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: EXTERIOR ELEVATIONS

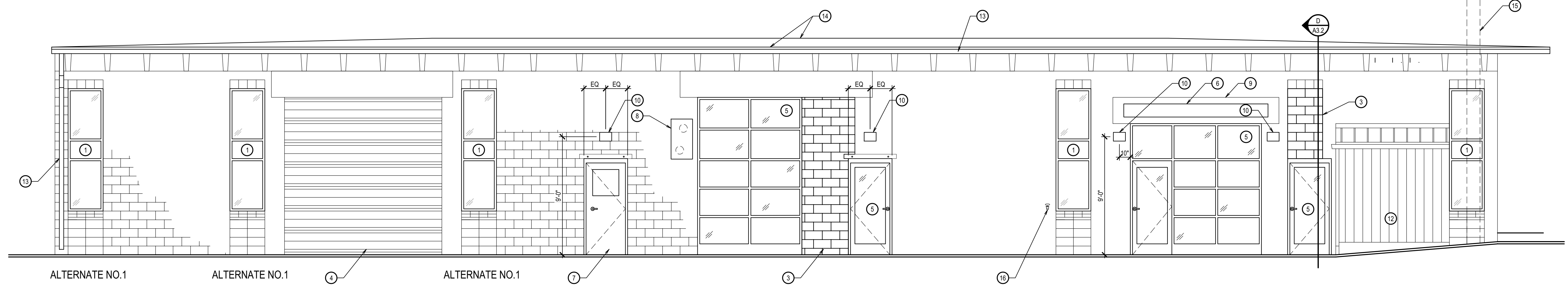
NO.	REVISIONS

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: KP
 CHECKED BY: JHW

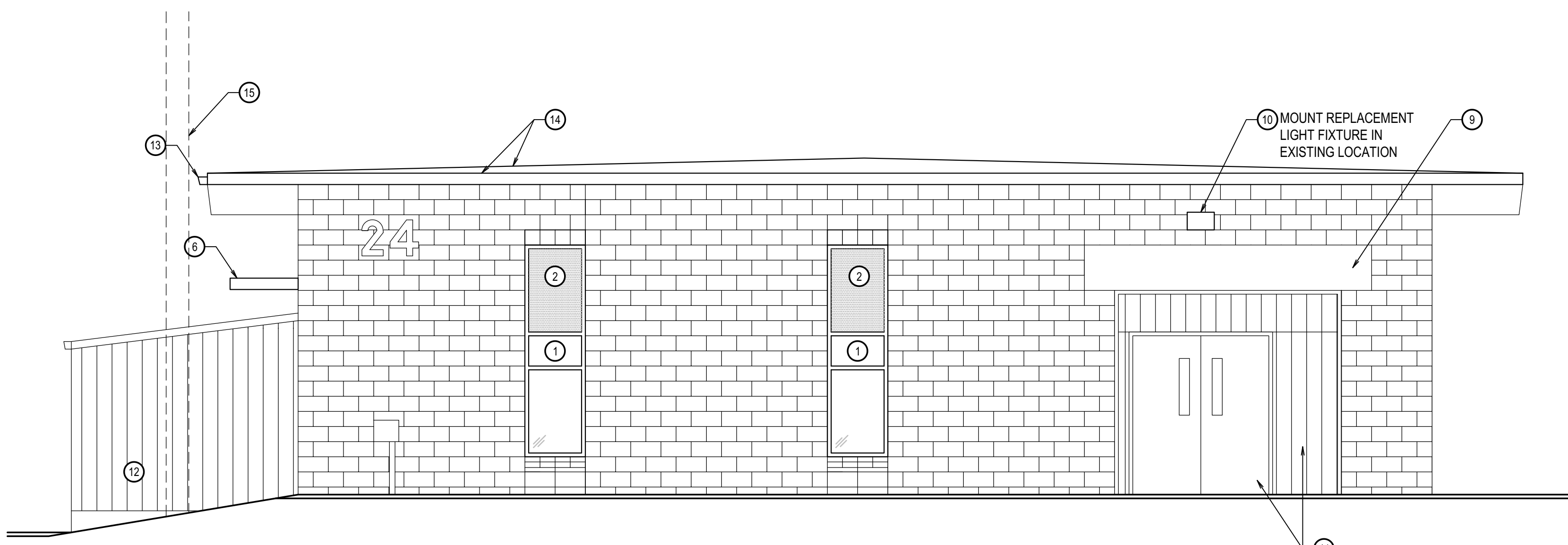
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A2.1

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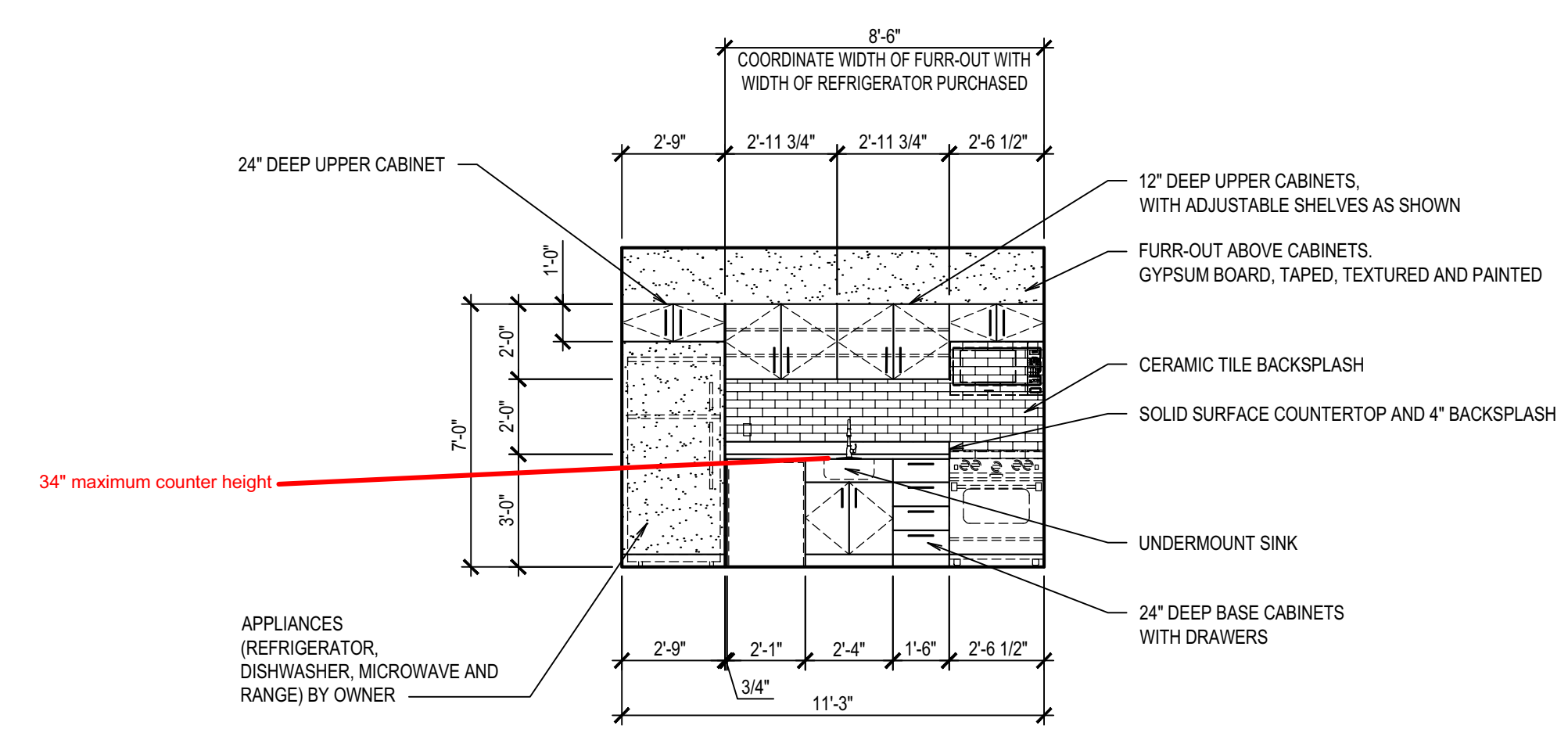


SOUTH ELEVATION
 SCALE: 1/4" = 1'-0"

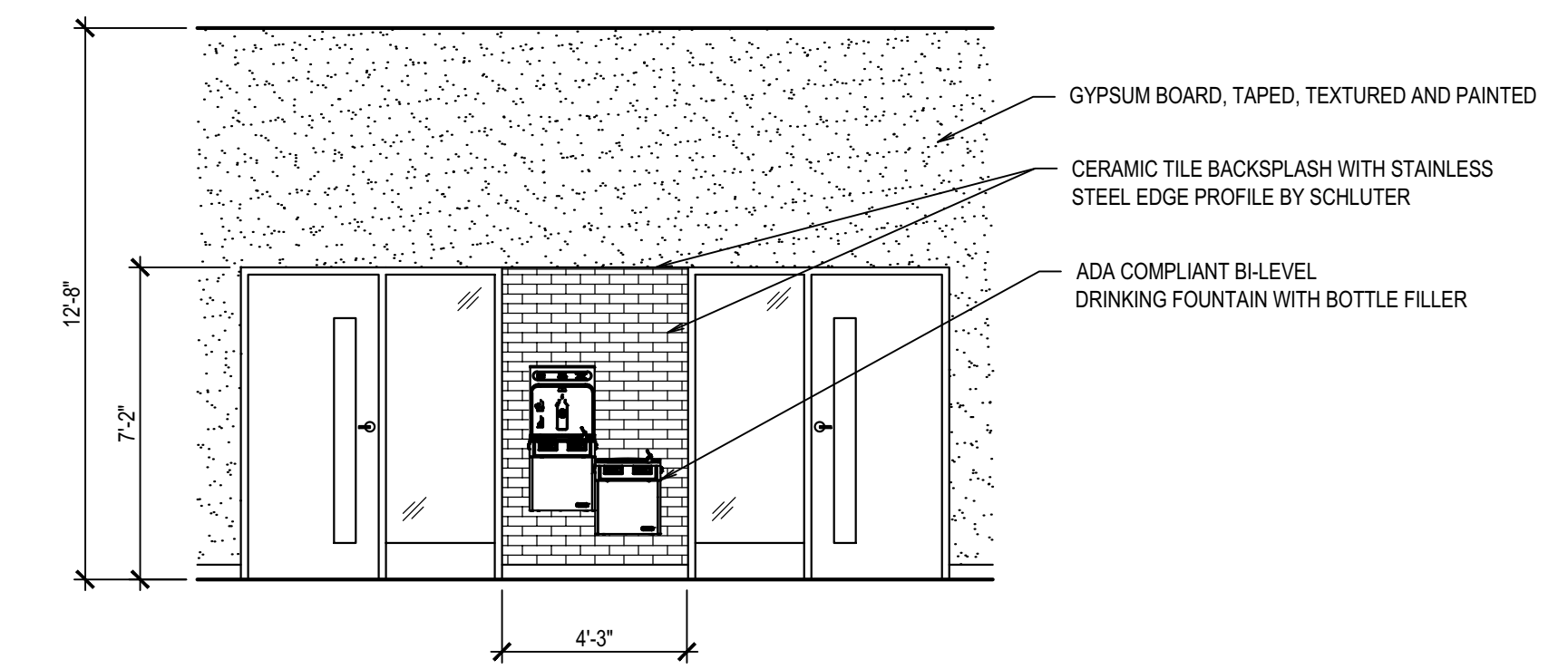


EAST ELEVATION
 SCALE: 1/4" = 1'-0"

NOTE:
 1. CONTRACTOR TO COORDINATE SIZE OF CABINETS WITH SIZE OF APPLIANCES PURCHASED BY OWNER TO ENSURE A PROPER FIT.
 2. RANGE IS FOR WARMING AND SERVING FOOD ONLY.



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



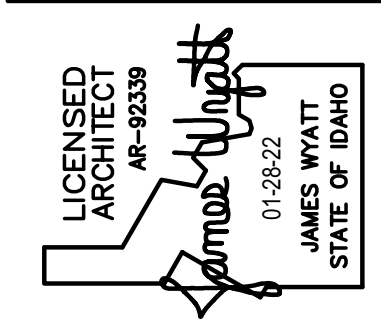
ELEVATION B
 SCALE: 1/4" = 1'-0"

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

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> NEW WINDOW 1" THICK MAPES PANEL CMU INFILL. MATCH EXISTING ADJACENT. POWER WASH EXISTING OVERHEAD DOOR. EXTERIOR ONLY. NEW ALUMINUM STOREFRONT SYSTEM NEW METAL CANOPY NEW HOLLOW METAL DOOR AND FRAME. SEE DETAIL D/A4.1. PAINT. 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. ACCENT PAINT FOR EXISTING CONCRETE HEADER NEW LIGHT FIXTURE SAND, PREPARE AND PAINT EXISTING HOLLOW METAL DOOR, FRAME AND WOOD SIDING. | <ol style="list-style-type: none"> EXISTING LEAN-TO STRUCTURE. EXCLUDED FROM WORK. NEW METAL RAIN GUTTER AND DOWNSPOUT. SEE DETAIL 6/A6.1 NEW ROOFING SYSTEM AND PRE-FINISHED METAL PERIMETER FLASHING EXISTING POWER POLE. PROTECT DURING CONSTRUCTION REMOVE EXISTING HOSE BIB. FILL HOLE WITH INSULATION AND COVER WITH STAINLESS STEEL PLATE. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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

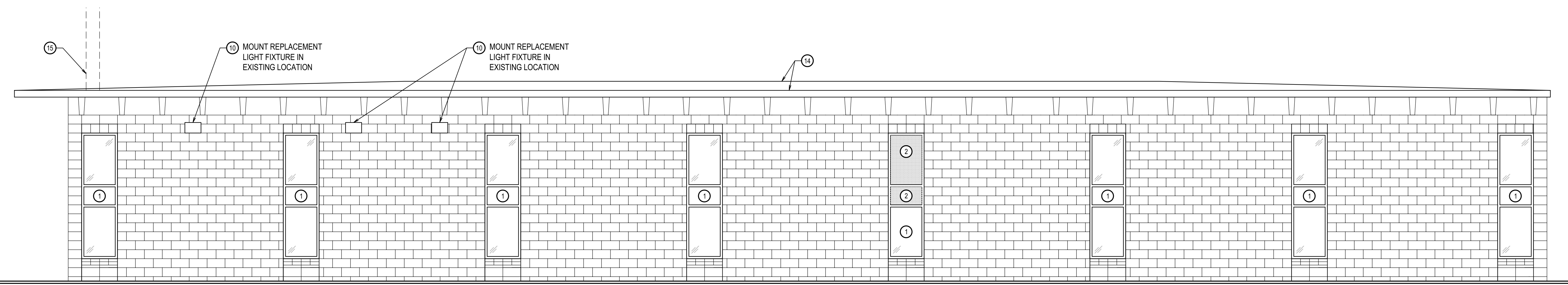
REVISIONS

NO.	DESCRIPTION

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: KP
 CHECKED BY: JHW
 DRAWING NO:

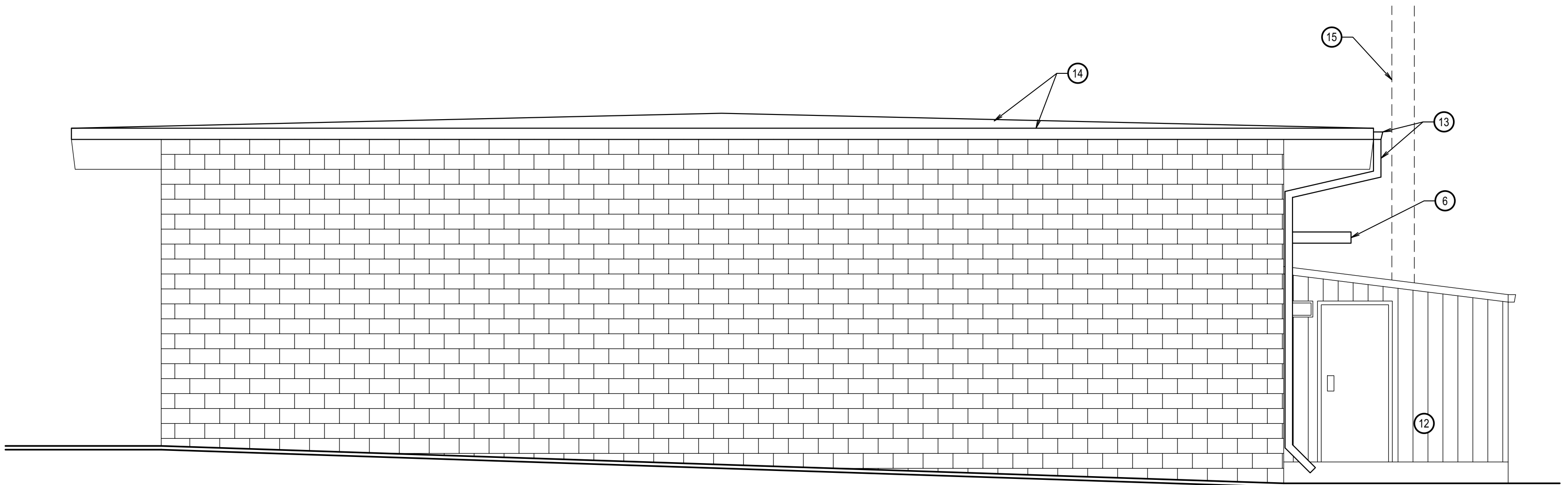
A2.2

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

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



WEST ELEVATION
 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. SEE MECHANICAL DRAWINGS FOR MECHANICAL CEILING PENETRATIONS AND ALL 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.
4. ALL WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS.	12. ALL NEW INTERIOR WALLS AND FURR-OUTS TO BE 2 x 4 WOOD STUDS UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.	
6. 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	

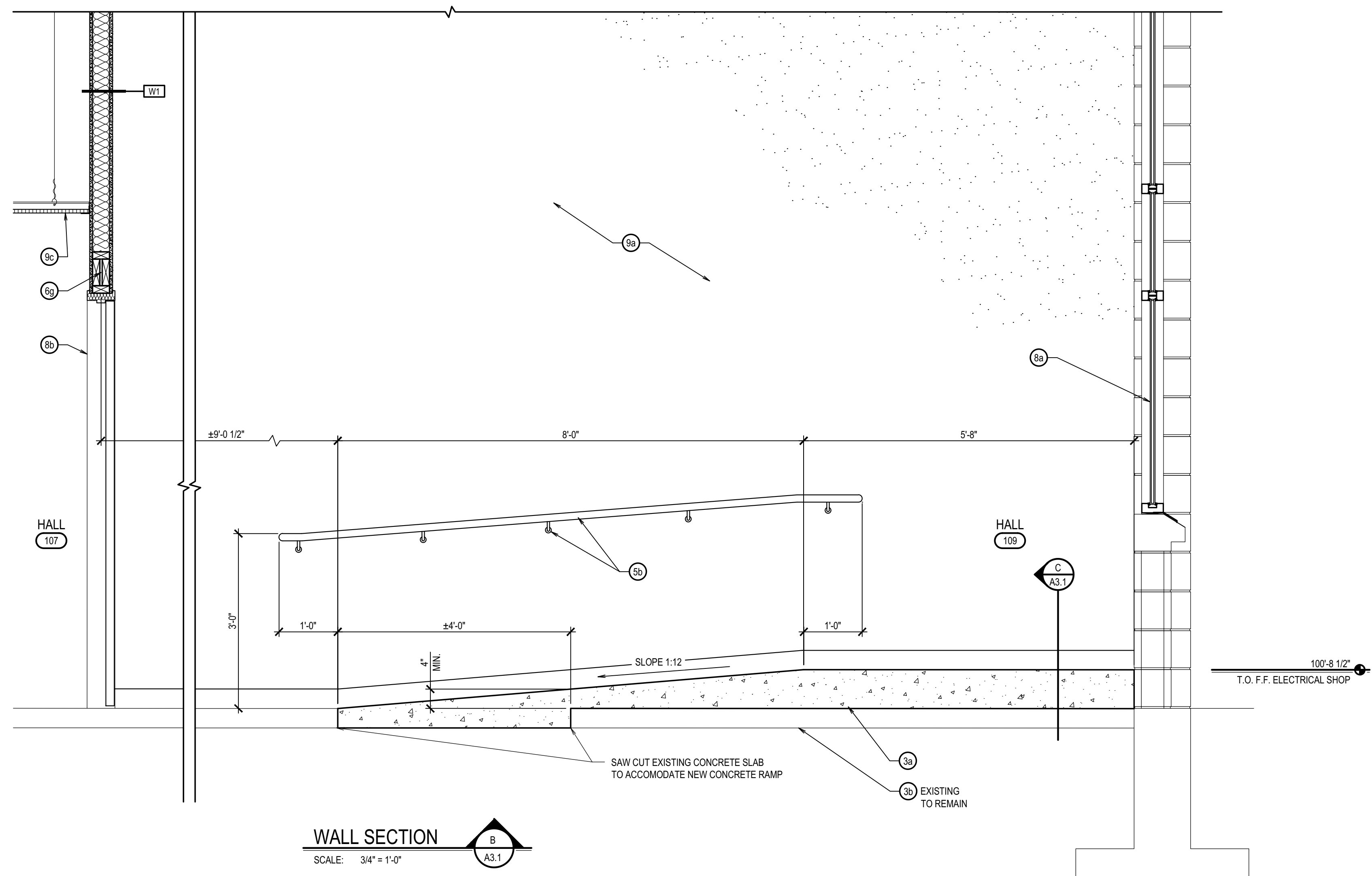
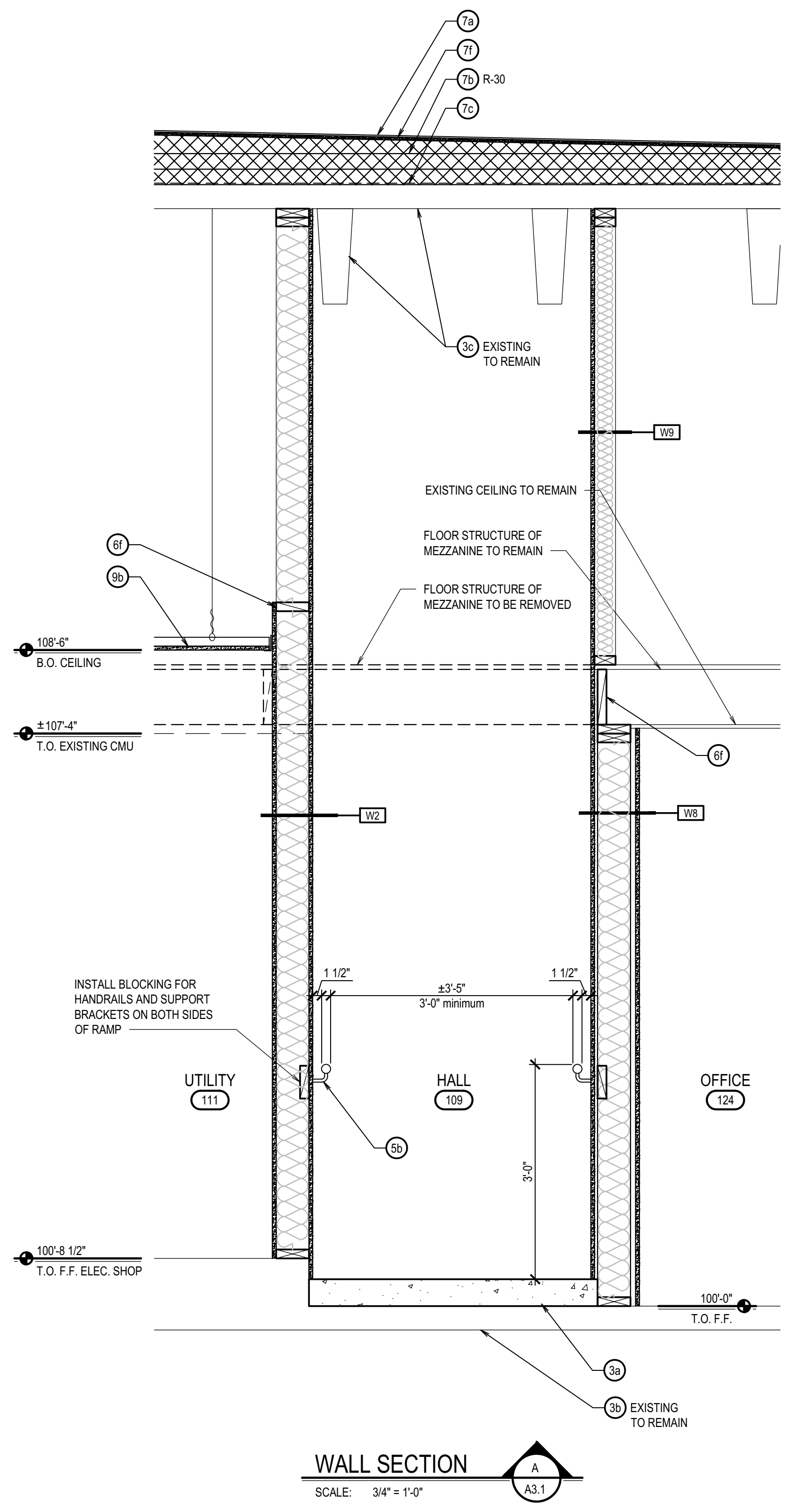
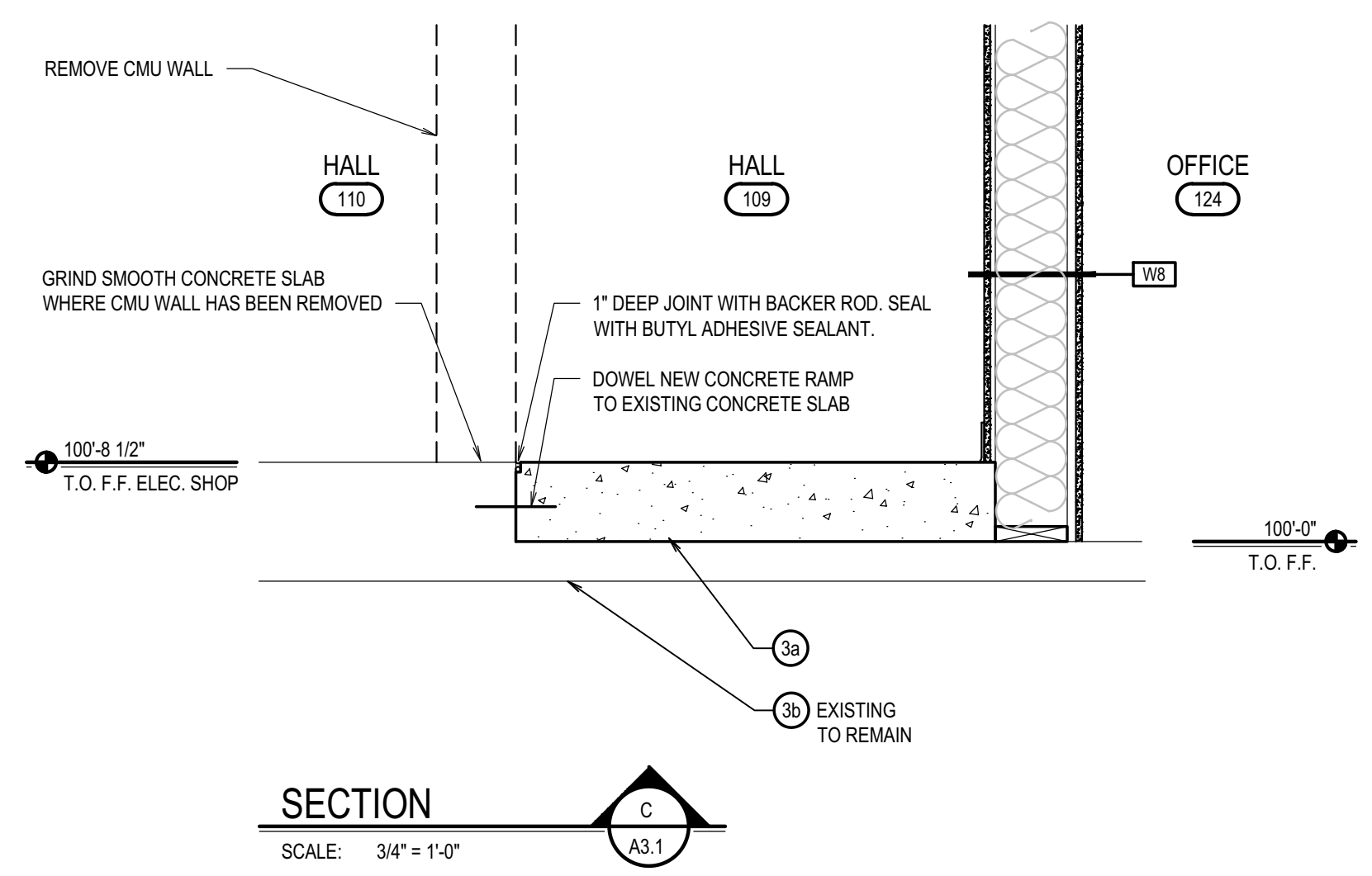
KEYNOTES

1. NEW WINDOW	12. EXISTING LEAN-TO STRUCTURE. EXCLUDED FROM WORK.
1. 1" THICK MAPES PANEL	13. NEW METAL RAIN GUTTER AND DOWNSPOUT, SEE DETAIL 8/A6.1
3. CMU INFILL. MATCH EXISTING ADJACENT.	14. NEW ROOFING SYSTEM AND PRE-FINISHED METAL PERIMETER FLASHING
4. NEW CMU WINDOW SILL. MATCH EXISTING ADJACENT.	15. EXISTING POWER POLE. PROTECT DURING CONSTRUCTION
5. NEW ALUMINUM STOREFRONT SYSTEM	16. REMOVE EXISTING HOSE BIB. FILL HOLE WITH INSULATION AND COVER WITH STAINLESS STEEL PLATE.
6. NEW METAL CANOPY	17. POWER WASH EXISTING OVERHEAD DOOR. EXTERIOR ONLY.
7. NEW HOLLOW METAL DOOR AND FRAME, SEE DETAIL D/A4.1. PAINT.	
8. REMOVE EXISTING METAL COVER AND DUCTS. PATCH CMU WALL PENETRATIONS BY INSTALLING BATT INSULATION IN CAVITY AND GALVANIZED SHEET METAL OVER THE TOP OF HOLE.	
9. ACCENT PAINT FOR EXISTING CONCRETE HEADER	
10. NEW LIGHT FIXTURE	
11. SAND, PREPARE AND PAINT EXISTING HOLLOW METAL DOOR, FRAME AND WOOD SIDING.	

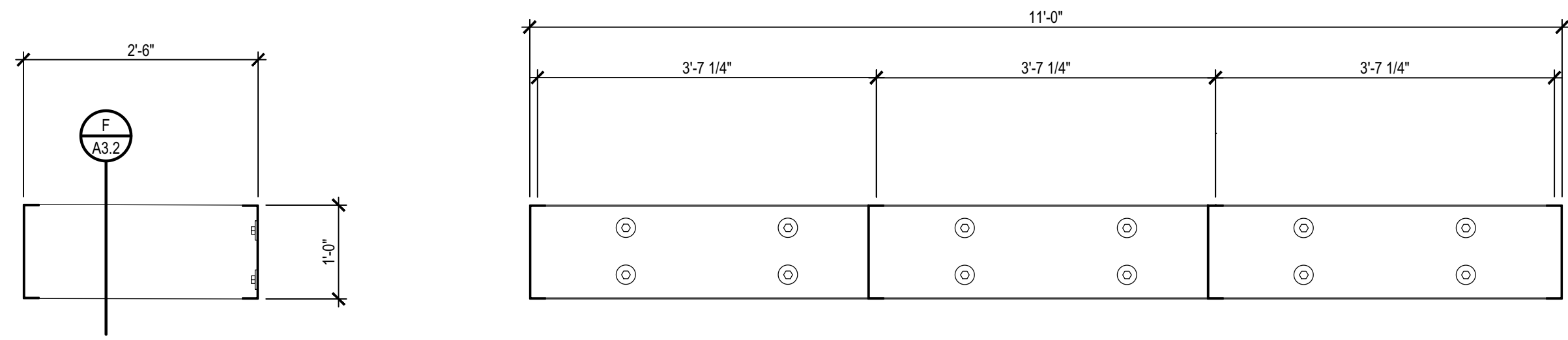
NO.	DESCRIPTION

○ KEYNOTES

- 03 CONCRETE
 - 3A CONCRETE RAMP
 - 3B CONCRETE SLAB
 - 3C CONCRETE - TEE ROOF STRUCTURE
 - 3D CONCRETE SILL
- 04 MASONRY
 - 4A 8" CMU
 - 4B 12" CMU
- 05 METALS
 - 5A METAL CANOPY, PAINT
 - 5B METAL HANDRAILS AND SUPPORT BRACKETS, POWDER COATED BLACK
- 06 WOOD
 - 6A FLOOR JOIST
 - 6B 2 x 4
 - 6C 2 x 6
 - 6D 2 x 8
 - 6E 2 x NAILER
 - 6F 2 x BLOCKING
 - 6G 2 x 6 BOX HEADER
- 07 THERMAL & MOISTURE PROTECTION
 - 7A SINGLE PLY ROOF MEMBRANE
 - 7B RIGID ROOF INSULATION
 - 7C VAPOR BARRIER, FULLY ADHERED
 - 7D PRE-FINISHED METAL FLASHING
 - 7E METAL RAIN GUTTER AND DOWNSPOUT SYSTEM
 - 7F 1/2" DENS DECKING
- 08 DOORS & WINDOWS
 - 8A ALUMINUM WINDOW ASSEMBLY
 - 8B HOLLOW METAL DOOR FRAME ASSEMBLY
- 09 FINISHES
 - 9A 5/8" GYPSUM BOARD, TYPE "X"
 - 9B SUSPENDED GYPSUM BOARD CEILING
 - 9C 24" x 48" LAY-IN CEILING TILE AND SUSPENSION GRID SYSTEM
 - 9D SOLID SURFACE WINDOW SILL

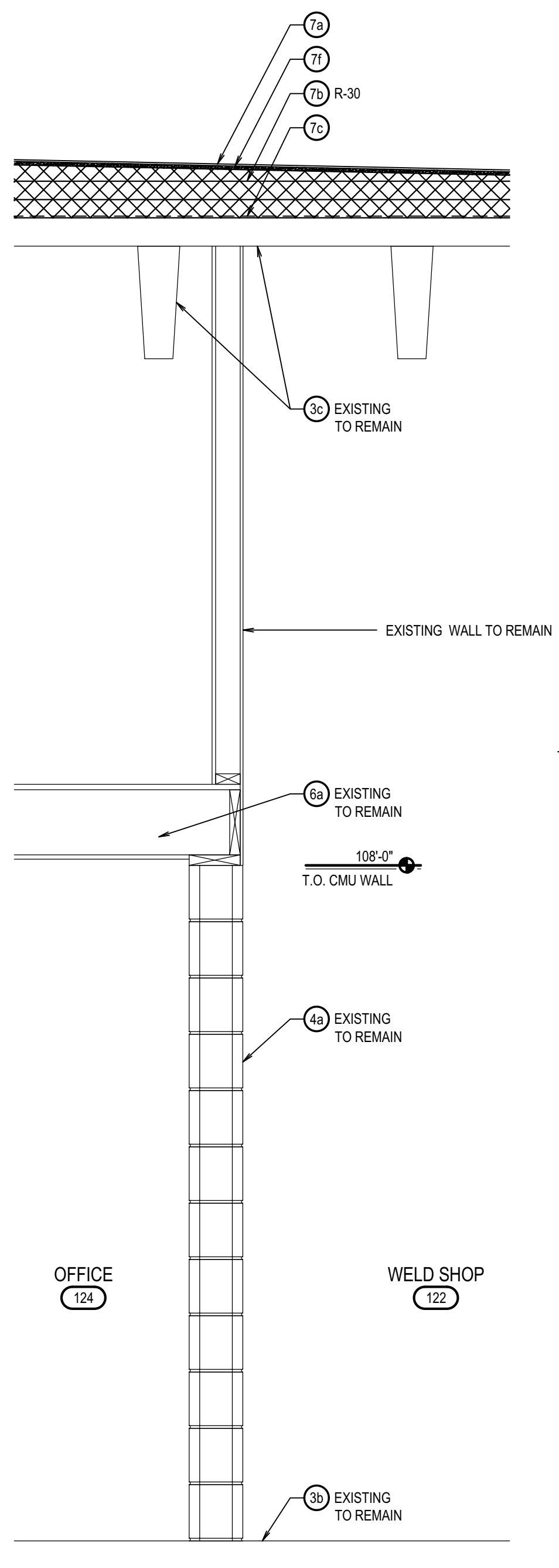


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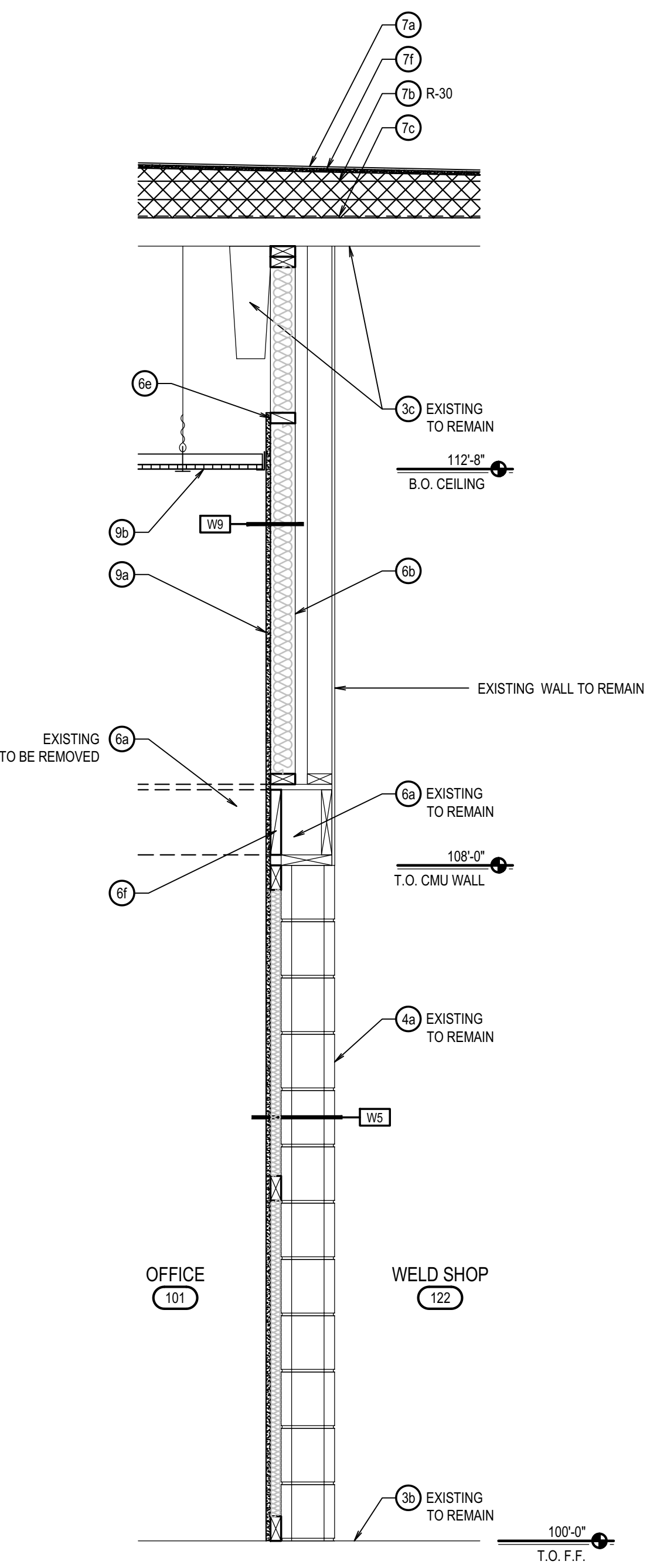


DETAIL E
SCALE: 3/4" = 1'-0"
A3.2

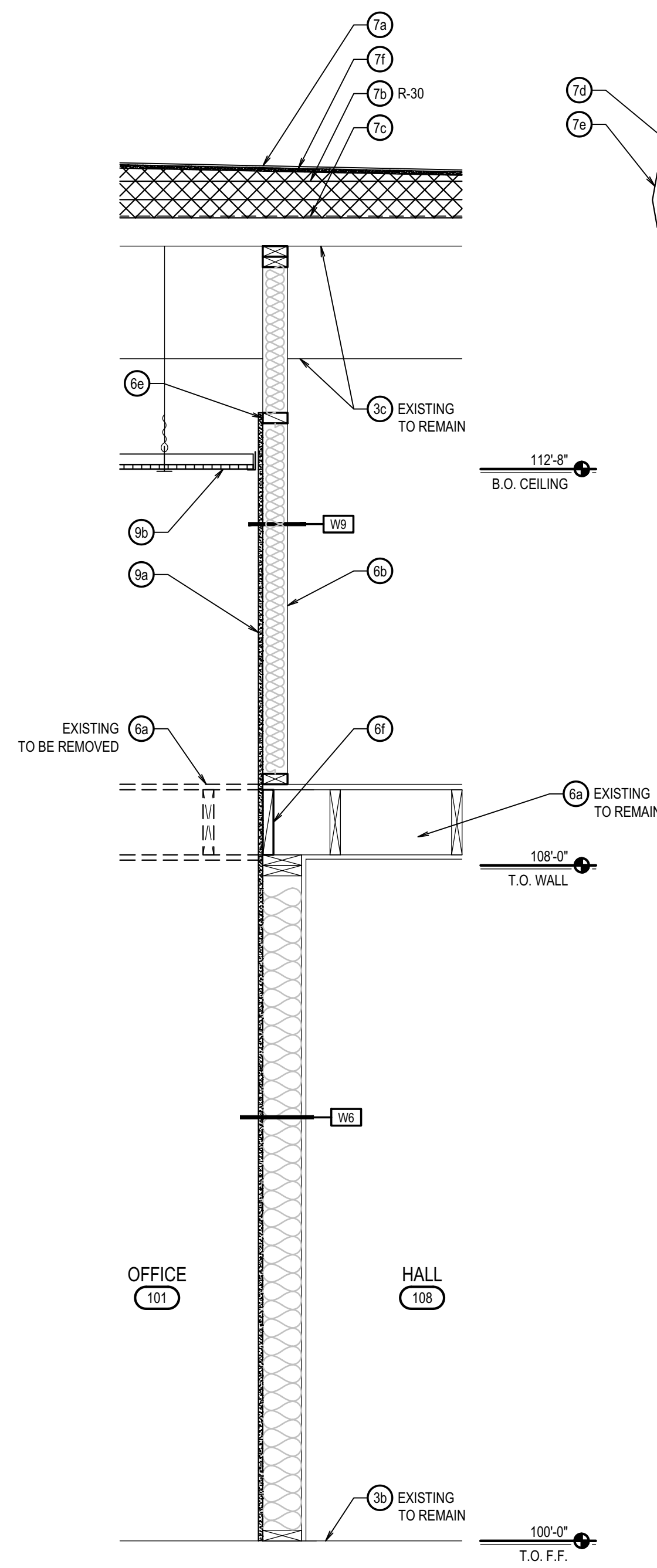
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A3.2



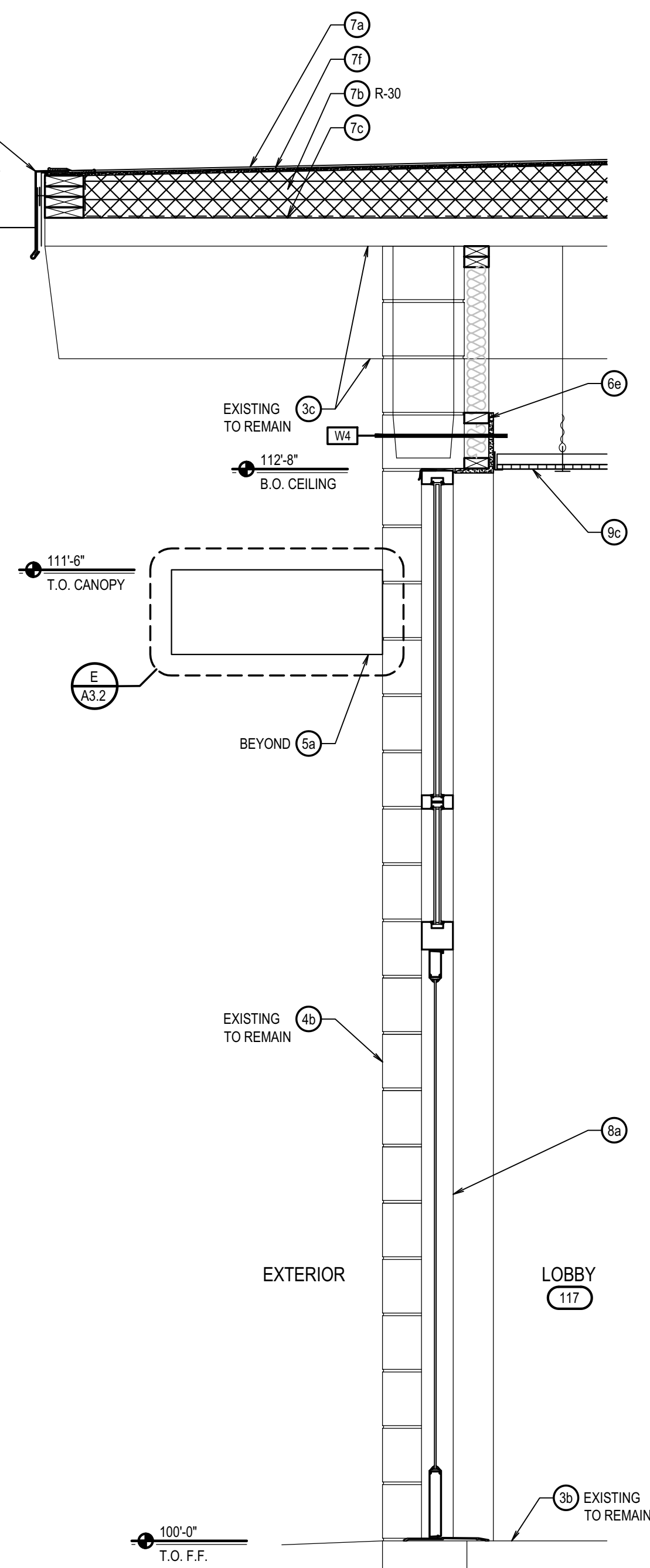
WALL SECTION A
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A3.2



WALL SECTION B
SCALE: 3/4" = 1'-0"
A3.2



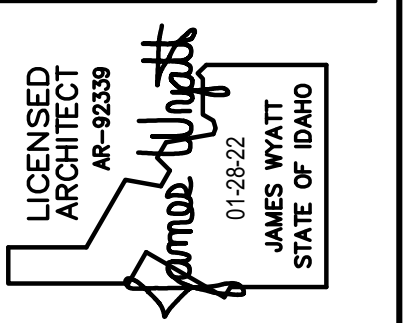
WALL SECTION C
SCALE: 3/4" = 1'-0"
A3.2



WALL SECTION D
SCALE: 3/4" = 1'-0"
A3.2

KEYNOTES

03 CONCRETE	
3a	CONCRETE RAMP
3b	CONCRETE SLAB
3c	CONCRETE - TEE ROOF STRUCTURE
3d	CONCRETE SILL
04 MASONRY	
4a	8" CMU
4b	12" CMU
05 METALS	
5a	METAL CANOPY, PAINT
5b	METAL HANDRAILS AND SUPPORT BRACKETS, POWDER COATED BLACK
06 WOOD	
6a	FLOOR JOIST
6b	2 x 4
6c	2 x 6
6d	2 x 8
6e	2 x NAILER
6f	2 x BLOCKING
6g	2 x 6 BOX HEADER
07 THERMAL & MOISTURE PROTECTION	
7a	SINGLE PLY ROOF MEMBRANE
7b	RIGID ROOF INSULATION
7c	VAPOR BARRIER, FULLY ADHERED
7d	PRE-FINISHED METAL FLASHING
7e	METAL RAIN GUTTER AND DOWNSPOUT SYSTEM
7f	1/2" DENS DECKING
08 DOORS & WINDOWS	
8a	ALUMINUM WINDOW/DOOR ASSEMBLY
8b	HOLLOW METAL DOOR FRAME ASSEMBLY
09 FINISHES	
9a	5/8" GYPSUM BOARD, TYPE "X"
9b	SUSPENDED GYPSUM BOARD CEILING
9c	24" x 48" LAY-IN CEILING TILE AND SUSPENSION GRID SYSTEM
9d	SOLID SURFACE WINDOW SILL



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POCATELLO, IDAHO

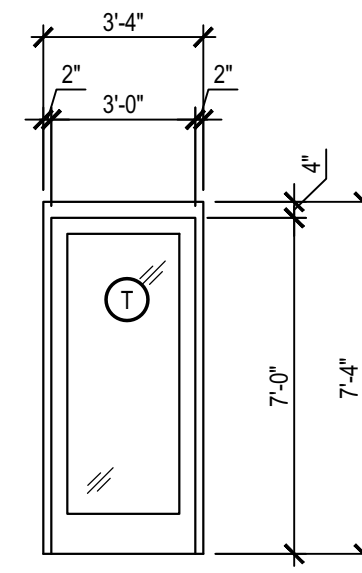
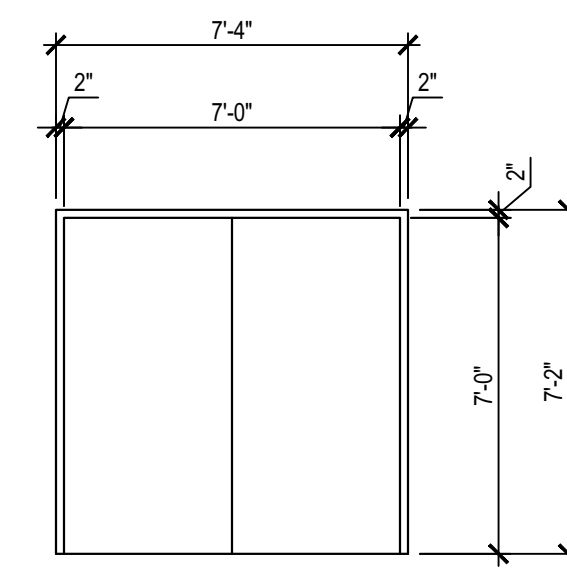
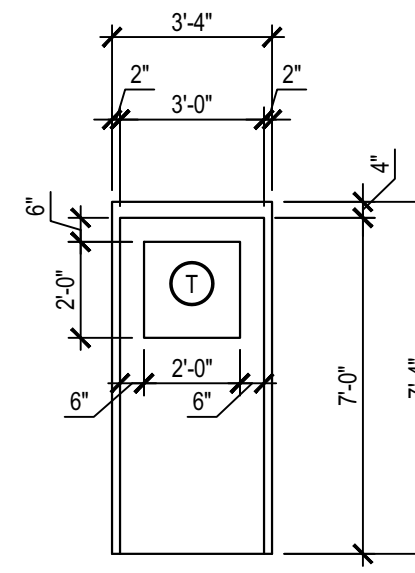
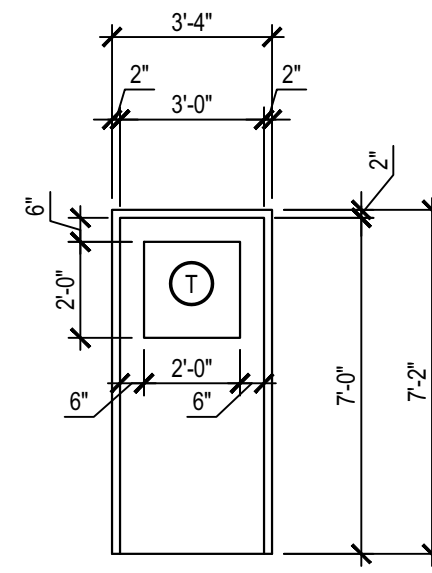
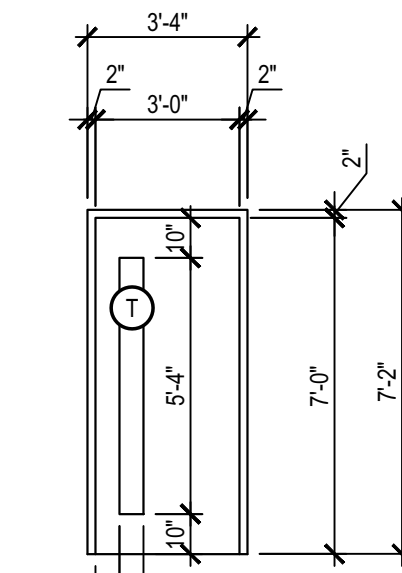
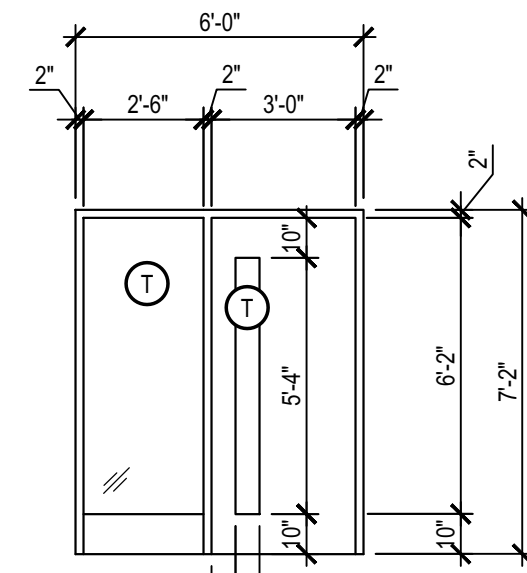
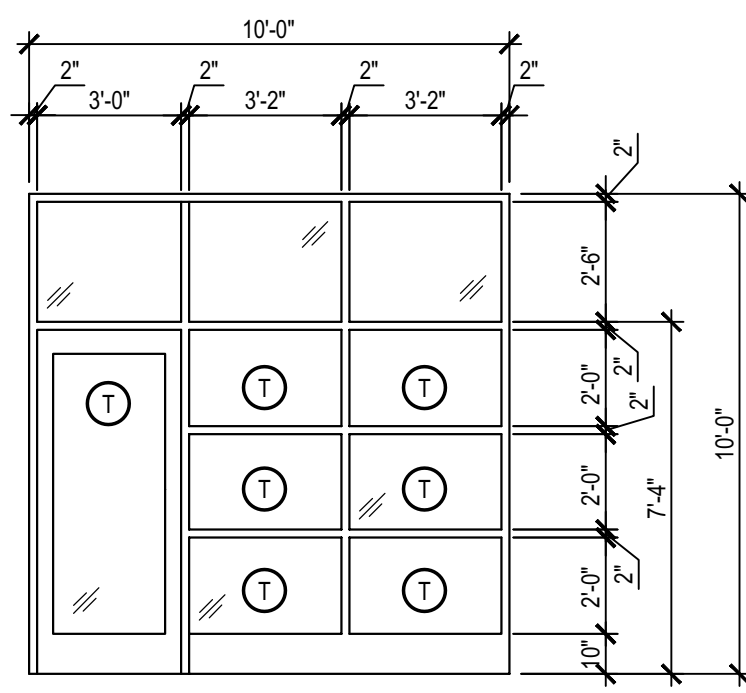
PROJECT: ISU CUSTODIAL OFFICE REMODEL
SHEET TITLE: WALL SECTIONS

NO.	DATE	REVISIONS

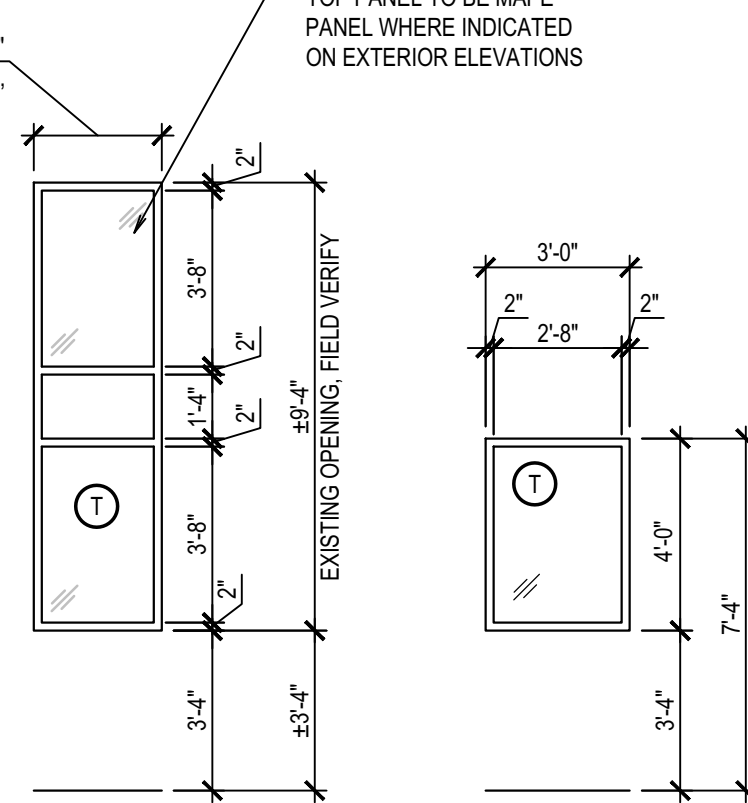
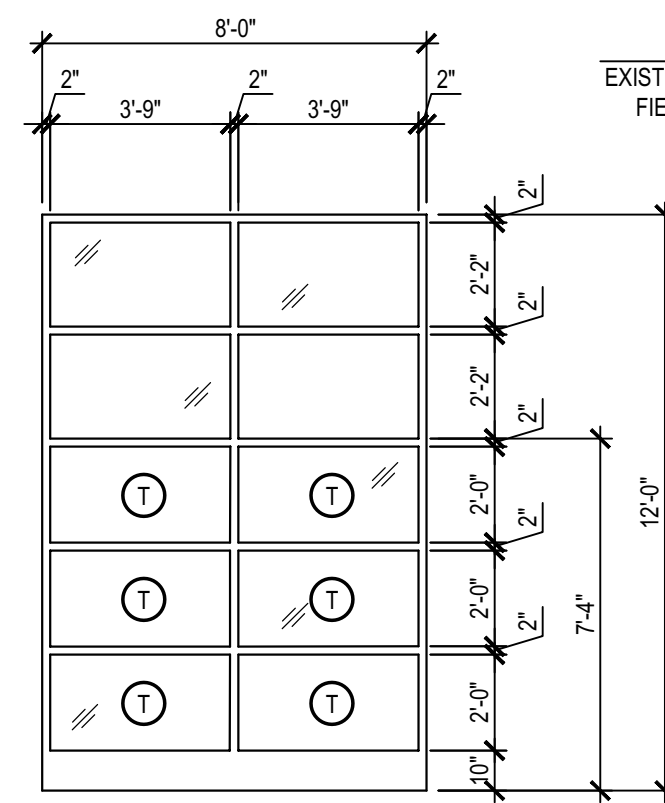
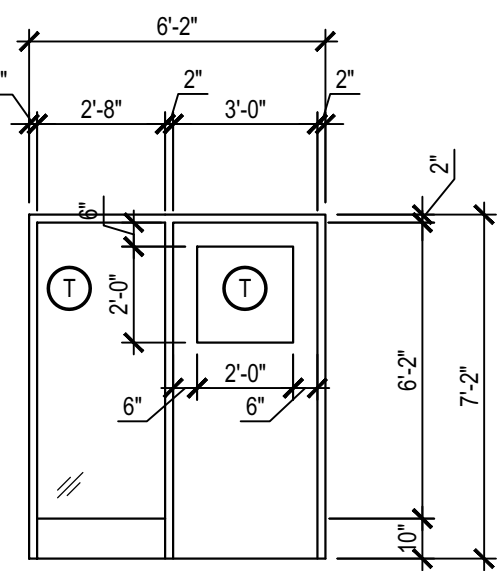
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DRAWN BY: KP
CHECKED BY: JHW
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A3.2

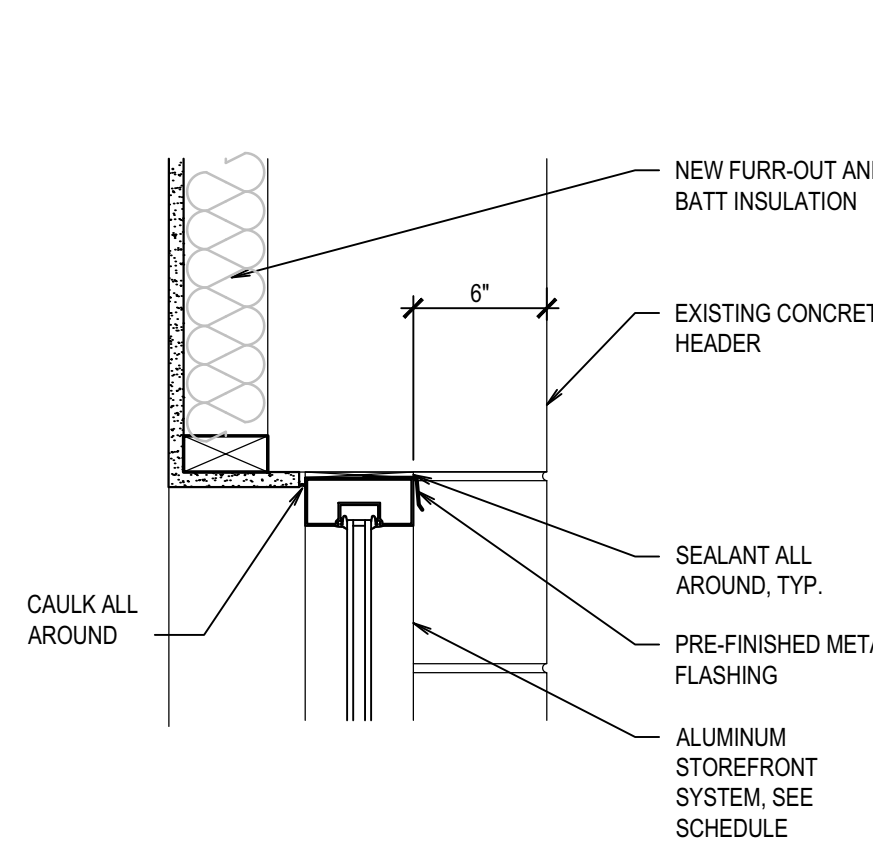


DOOR TYPES T 1/4" TEMPERED GLAZING

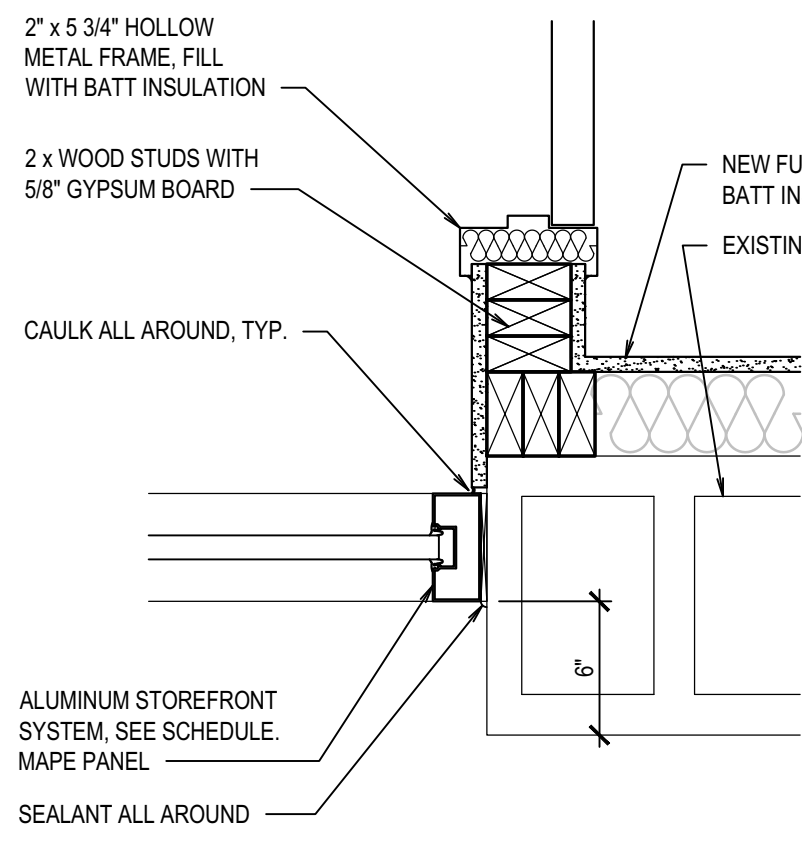


DOOR TYPES, CONT.

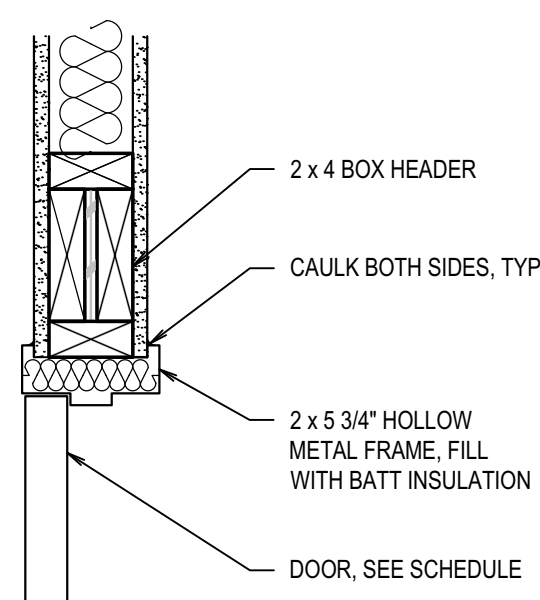
WINDOW TYPES T 1/4" TEMPERED GLAZING



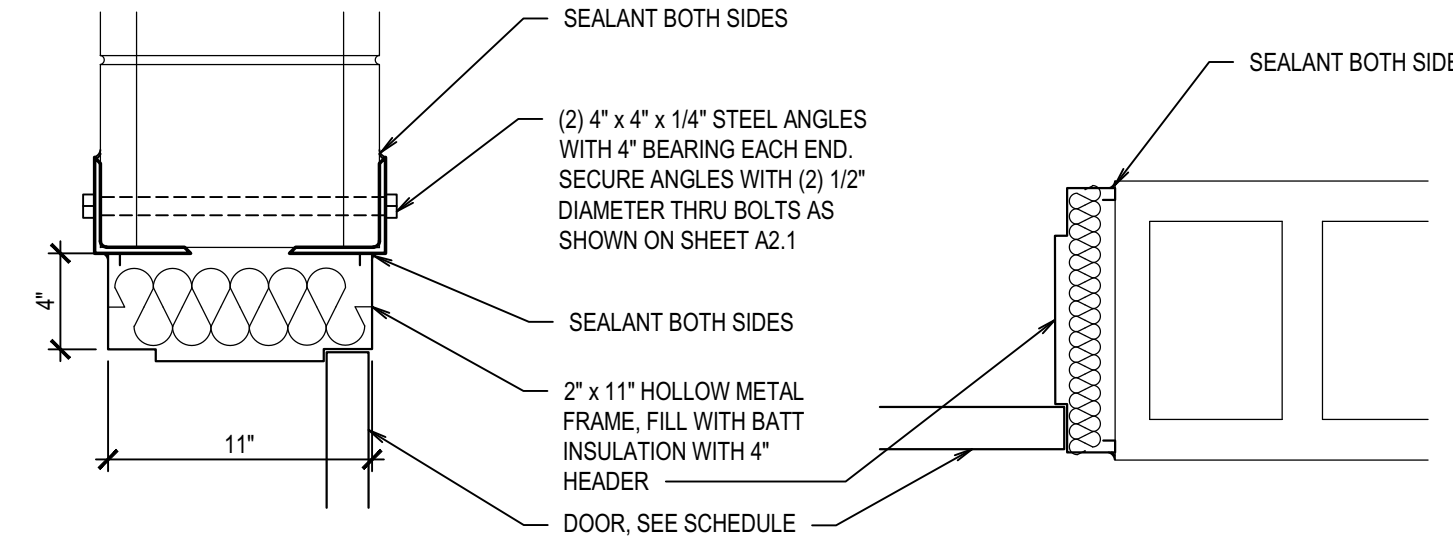
HEAD SCALE: 1 1/2" = 1'-0" A4.1



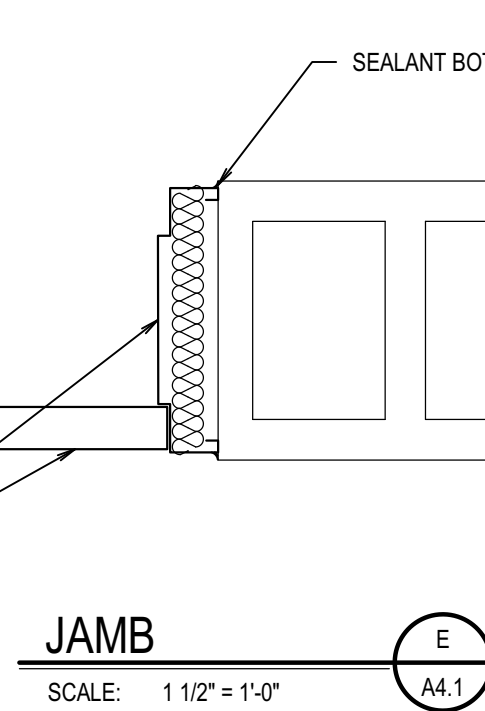
JAMB SCALE: 1 1/2" = 1'-0" A4.1



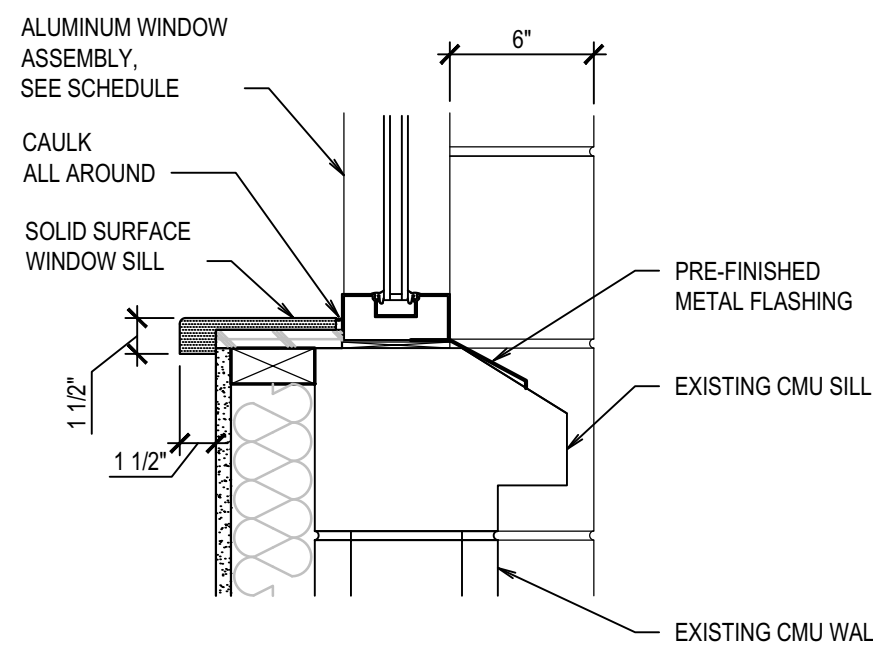
HEAD SCALE: 1 1/2" = 1'-0" A4.1



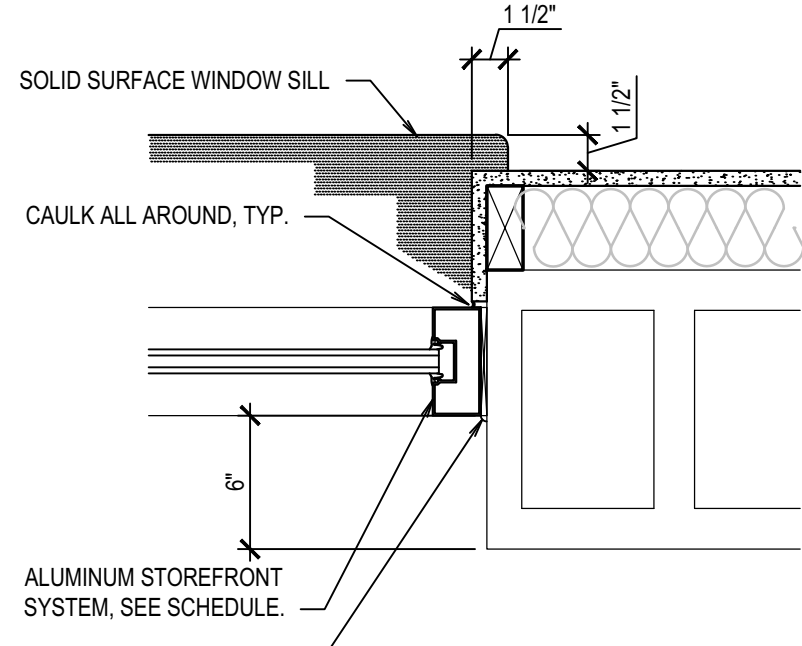
HEAD SCALE: 1 1/2" = 1'-0" A4.1



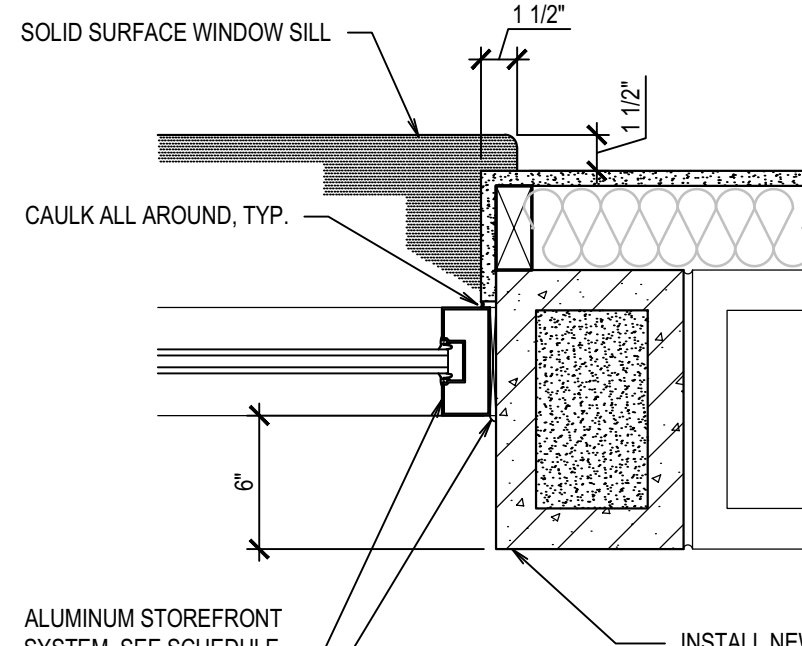
JAMB SCALE: 1 1/2" = 1'-0" A4.1



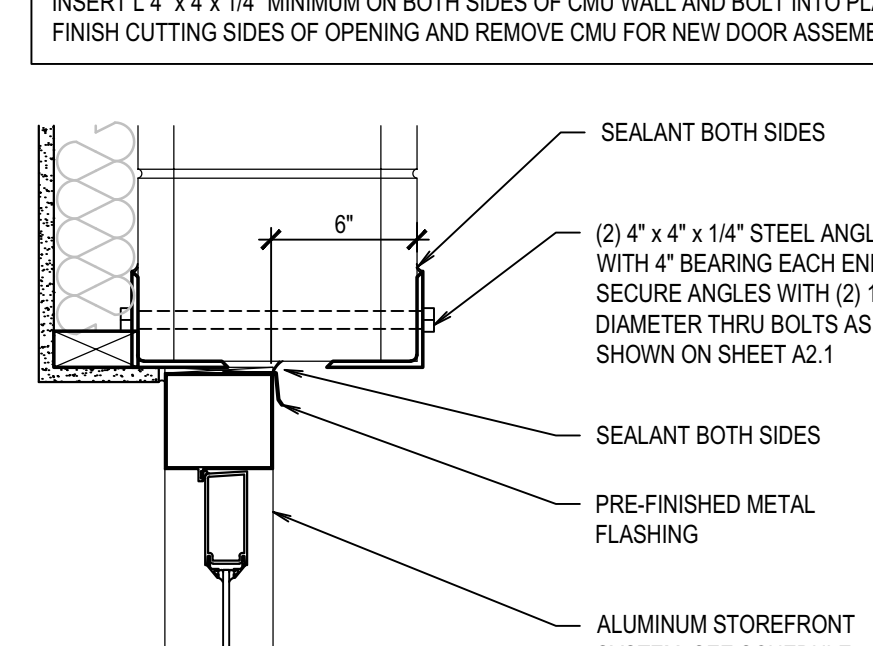
SILL SCALE: 1 1/2" = 1'-0" A4.1



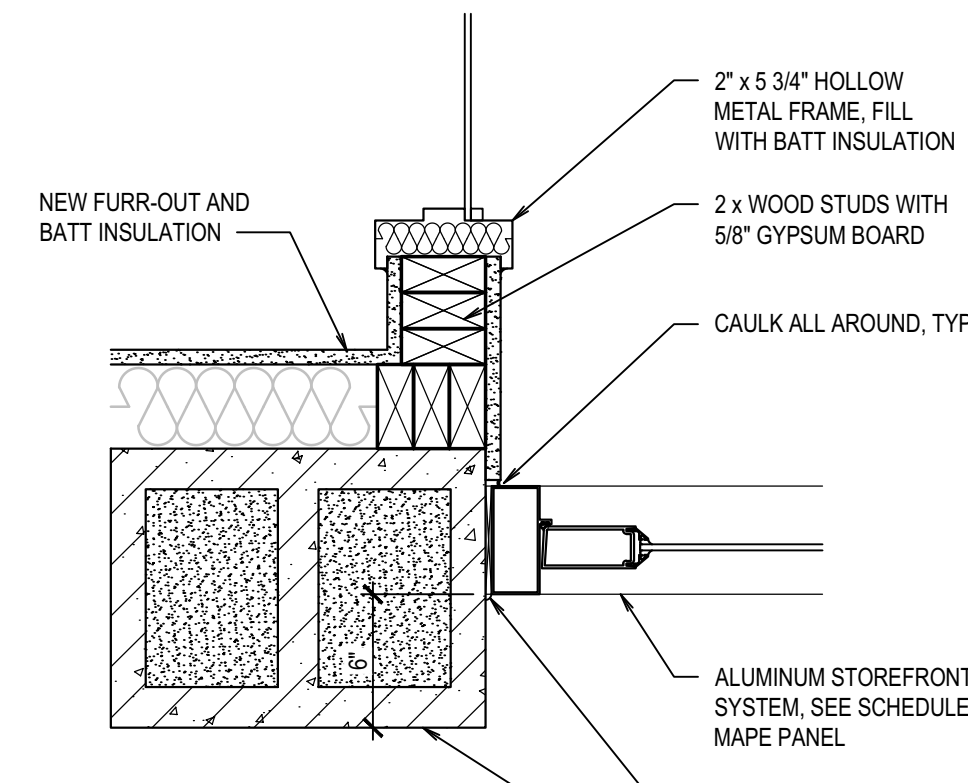
JAMB SCALE: 1 1/2" = 1'-0" A4.1



JAMB 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

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

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

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Plan Approval #BLD2201-0009
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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	G	ALUM	ALUM	J/A4.1	K/A4.1	INSTALL BLINDS
101	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	K/A4.1	INSTALL BLINDS
104	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	C/A4.1 SIM.	INSTALL BLINDS
105	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	C/A4.1 SIM.	INSTALL BLINDS
106	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	C/A4.1 SIM.	INSTALL BLINDS
109	3'-0" x 7'-0"	S	D	HM	HM	C/A4.1	C/A4.1 SIM.	
111	3'-0" x 7'-0"	S	D	HM	HM	C/A4.1	C/A4.1 SIM.	
112	3'-0" x 7'-0"	S	H	HM	HM	C/A4.1	C/A4.1 SIM.	
114A	3'-0" x 7'-0"	S	C	WOOD	HM	C/A4.1	C/A4.1 SIM.	
114B	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	C/A4.1 SIM.	
115	3'-0" x 7'-0"	S	C	WOOD	HM	C/A4.1	C/A4.1 SIM.	
116	3'-0" x 7'-0"	S	C	WOOD	HM	C/A4.1	C/A4.1 SIM.	
117	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	B/A4.1	INSTALL BLINDS
117A	3'-0" x 7'-0"	S	G	ALUM	ALUM	J/A4.1 SIM.	B/A4.1 SIM.	INSTALL BLINDS
118	3'-0" x 7'-0"	S	B	WOOD	HM	C/A4.1	C/A4.1 SIM.	INSTALL BLINDS
120	3'-6" x 7'-0"	P	F	WOOD	HM	C/A4.1	C/A4.1 SIM.	
122	3'-0" x 7'-0"	S	E	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		
BASE BID								
100	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	INSTALL BLINDS
101	±8'-0" x ±12'-0"	A	ALUM	A/A4.1 SIM.	G/A4.1 SIM.	H/A4.1 SIM.	H/A4.1 SIM.	INSTALL BLINDS
112	3'-0" x 4'-0"	C	HM	C/A4.1	C/A4.1 SIM.	C/A4.1 SIM.	C/A4.1 SIM.	
113A	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
113B	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
113C	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
113D	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
116	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	INSTALL BLINDS
118	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	INSTALL BLINDS
120	±2'-8" x ±9'-4"	B	ALUM	A/A4.1 SIM.	G/A4.1 SIM.	F/A4.1 SIM.	F/A4.1 SIM.	
ALTERNATE NO.1								
124A	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122A	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122B	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122C	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122D	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122E	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	
122F	±2'-8" x ±9'-4"		ALUM	A/A4.1 SIM.	G/A4.1	F/A4.1	F/A4.1	

LICENSED ARCHITECT
ARCHITECTURE / PLANNING / INTERIORS
nwarchitects p.a.
990 JOHN ROBNS PARKWAY / P. O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(P) 208-522-8779 (F) 208-522-8785 (W) nwarchitects.com

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

PROJECT: 19032
DATE: JANUARY 2022
DRAWN BY: KP
CHECKED BY: JHW
DRAWING NO:

REVISIONS

A4.1

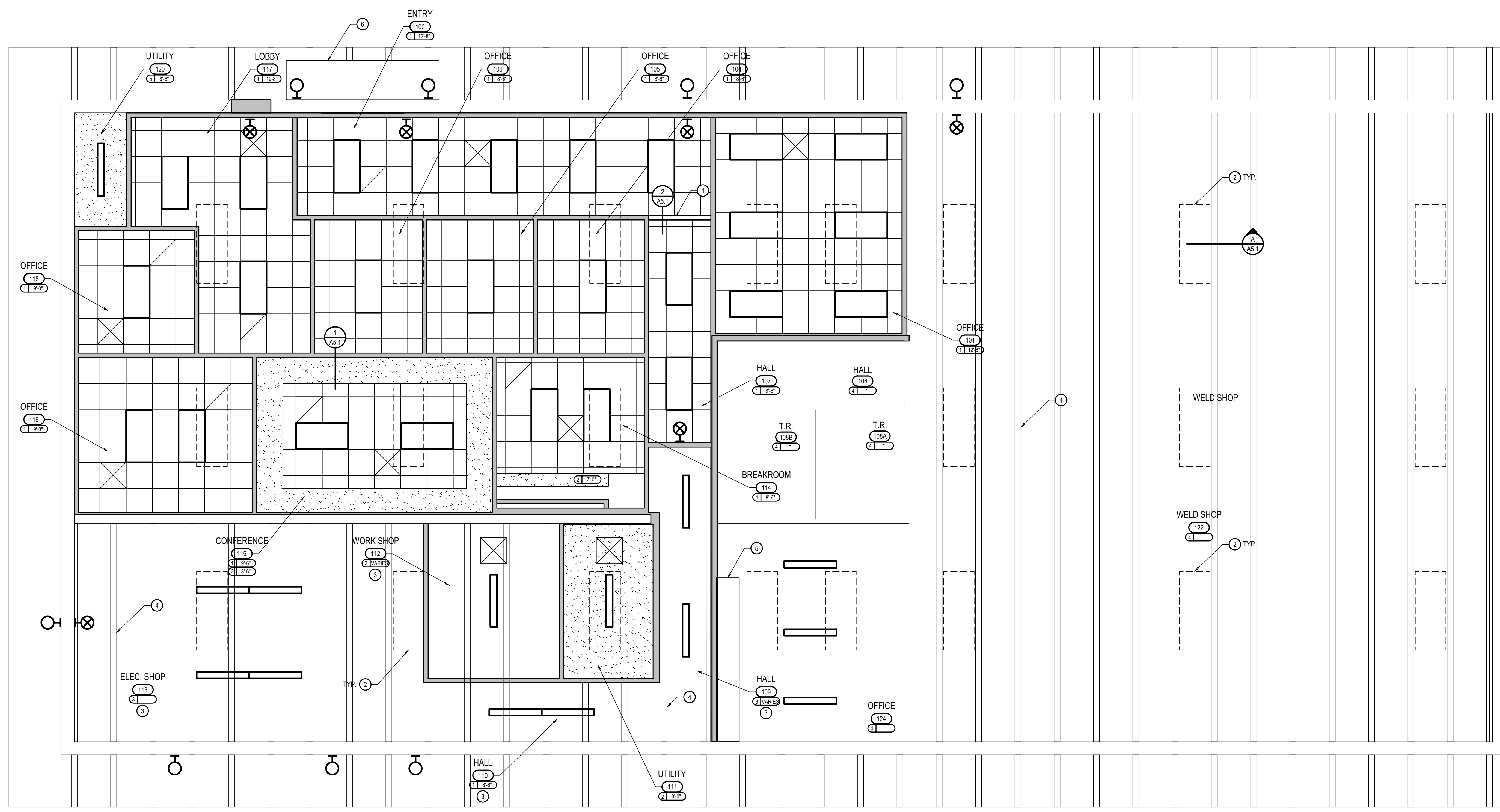
DOOR AND WINDOW SCHEDULES AND DETAILS

REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: KP
CHECKED BY: JHW
DRAWING NO.:

A5.1

This is not a building permit.
Plan Approval #BLD2201-0009
Date: 03/11/22
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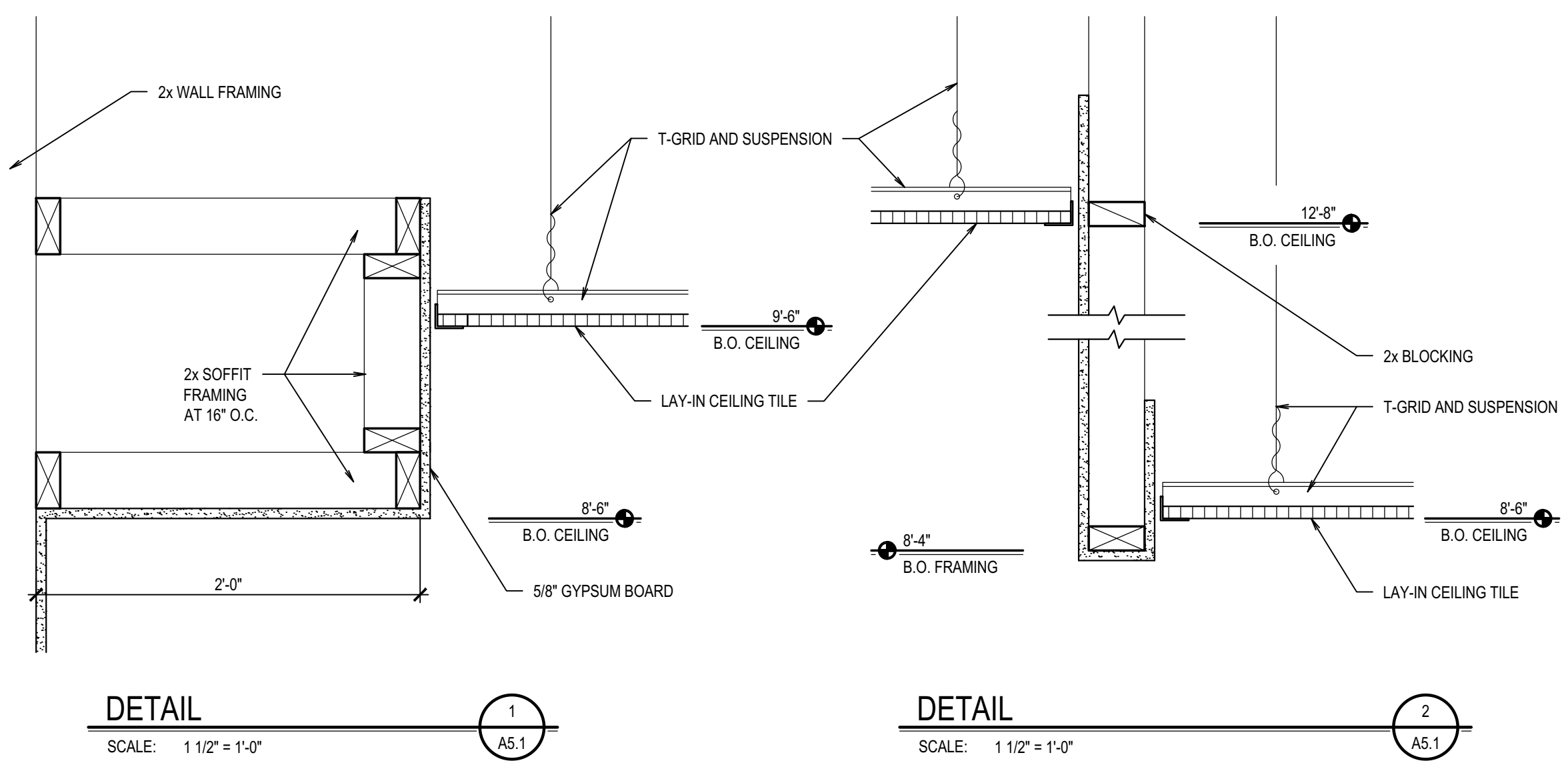


GENERAL NOTES

- SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND ELECTRICAL WORK.
- SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL CEILING PENETRATIONS AND MECHANICAL WORK.

REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

KEYNOTES		SYMBOLS	
1 - NEW HEADER	1 - 24" x 24" LAY-IN CEILING TILE AND SUSPENDED T-GRID AND SUSPENSION SYSTEM		LIGHT FIXTURES
2 - REMOVE EXISTING SKYLIGHTS. INFILL, SEE DETAIL 3/A5.1	2 - GYPSUM BOARD ATTACHED TO STRUCTURE		GRILLE. SEE MECHANICAL
3 - PREPARE AND PAINT EXPOSED CONCRETE ROOF STRUCTURE	3 - OPEN TO STRUCTURE		CEILING MOUNTED EXHAUST FAN
4 - EXISTING CONCRETE T'S	4 - EXISTING TO REMAIN		
5 - MODIFY EXISTING CEILING TO ACCOMMODATE NEW CONSTRUCTION.	5 - SUSPENDED GYPSUM BOARD CEILING		
6 - METAL CANOPY			



DETAIL 1
SCALE: 1 1/2" = 1'-0"
A5.1

DETAIL 2
SCALE: 1 1/2" = 1'-0"
A5.1

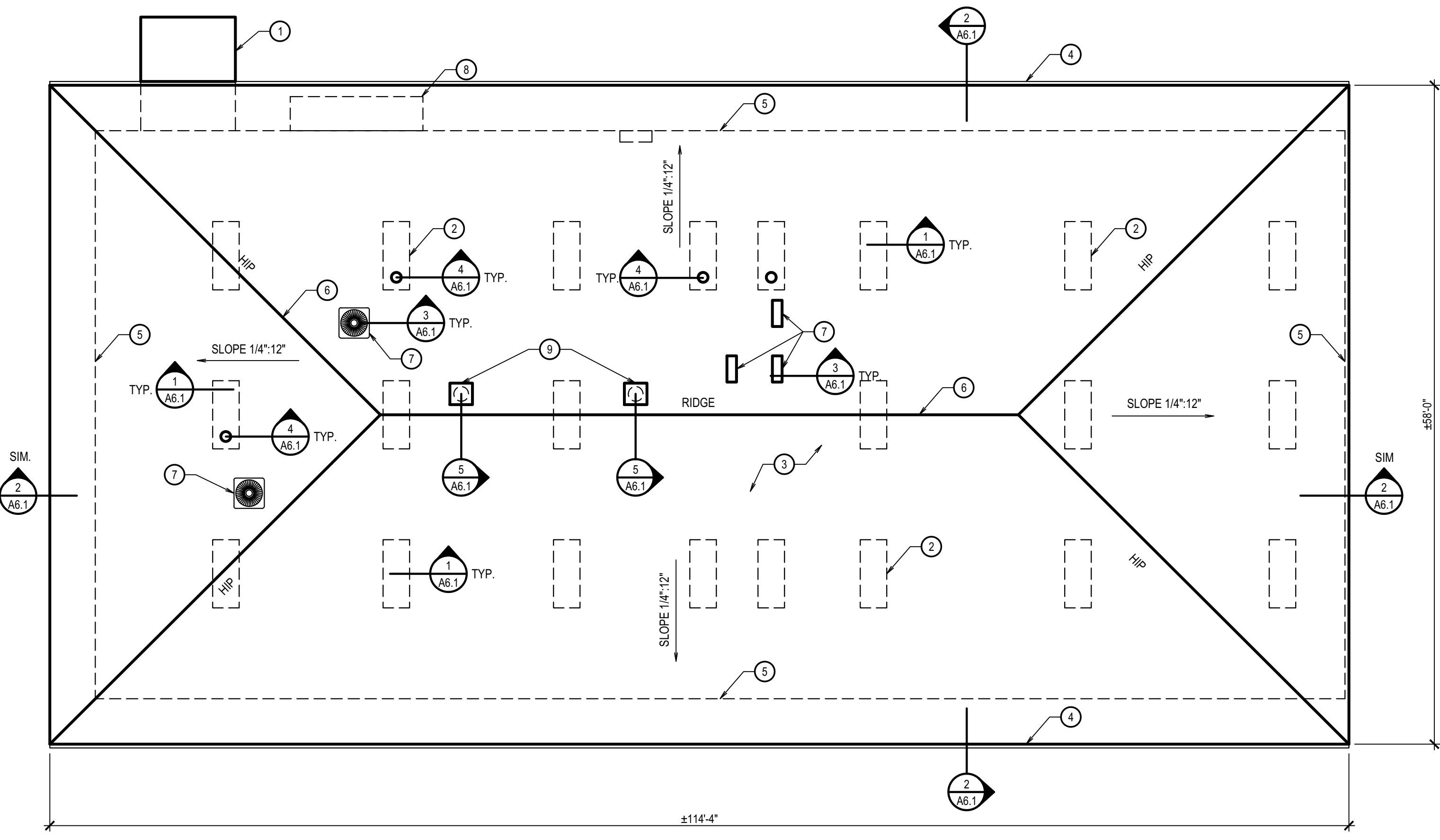
REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: KP
CHECKED BY: JHW

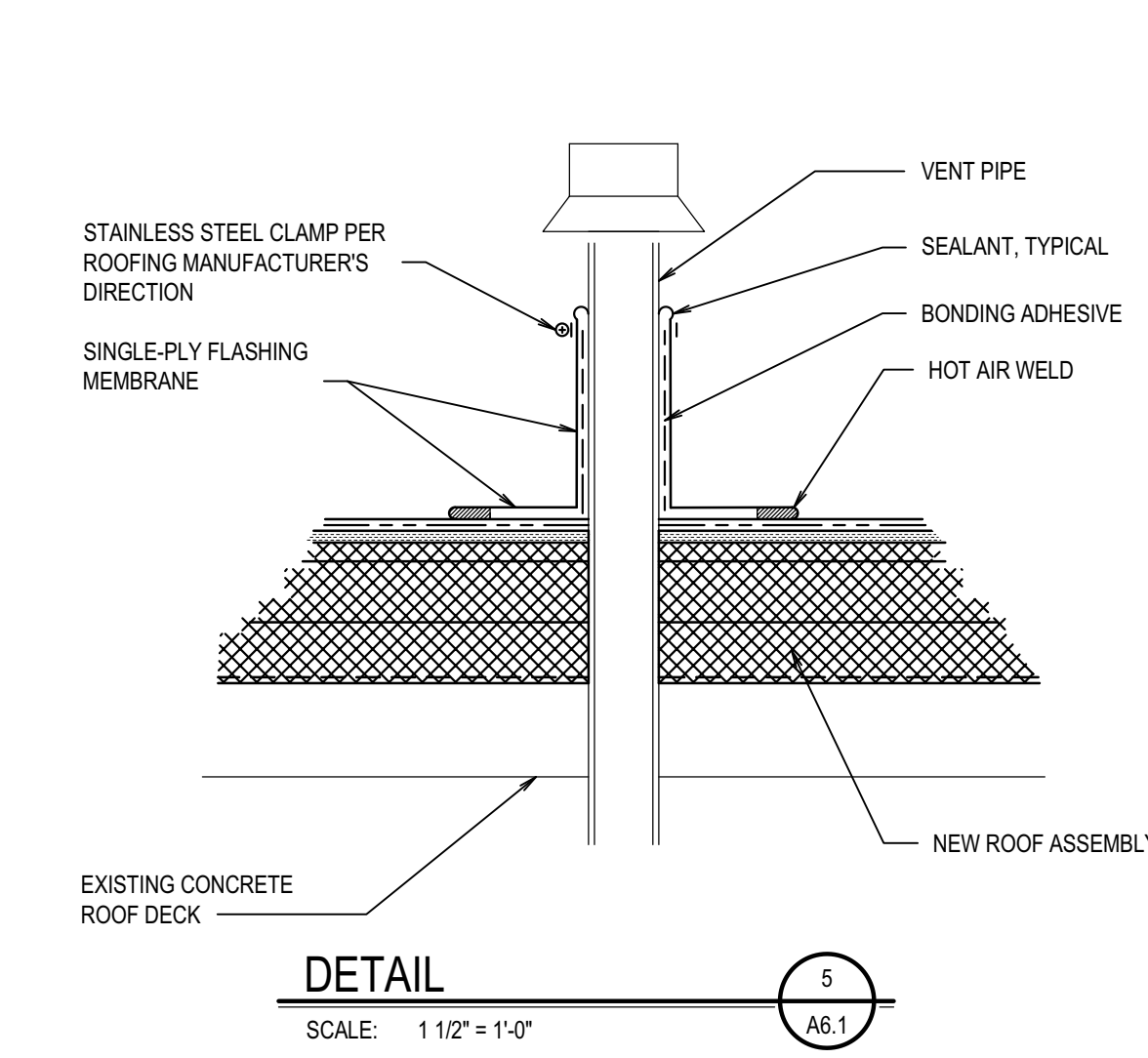
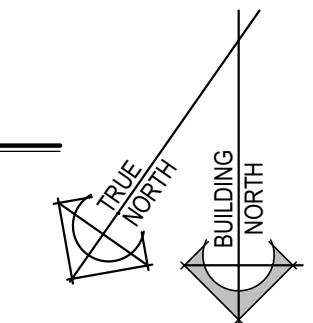
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A6.1

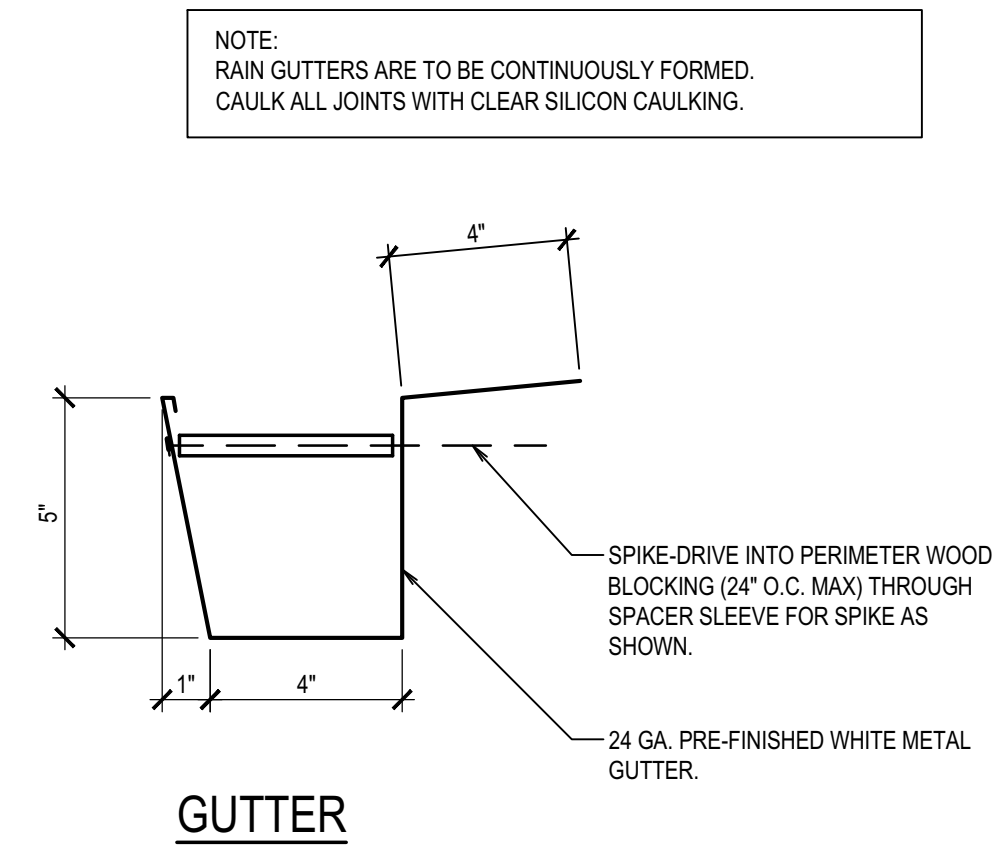
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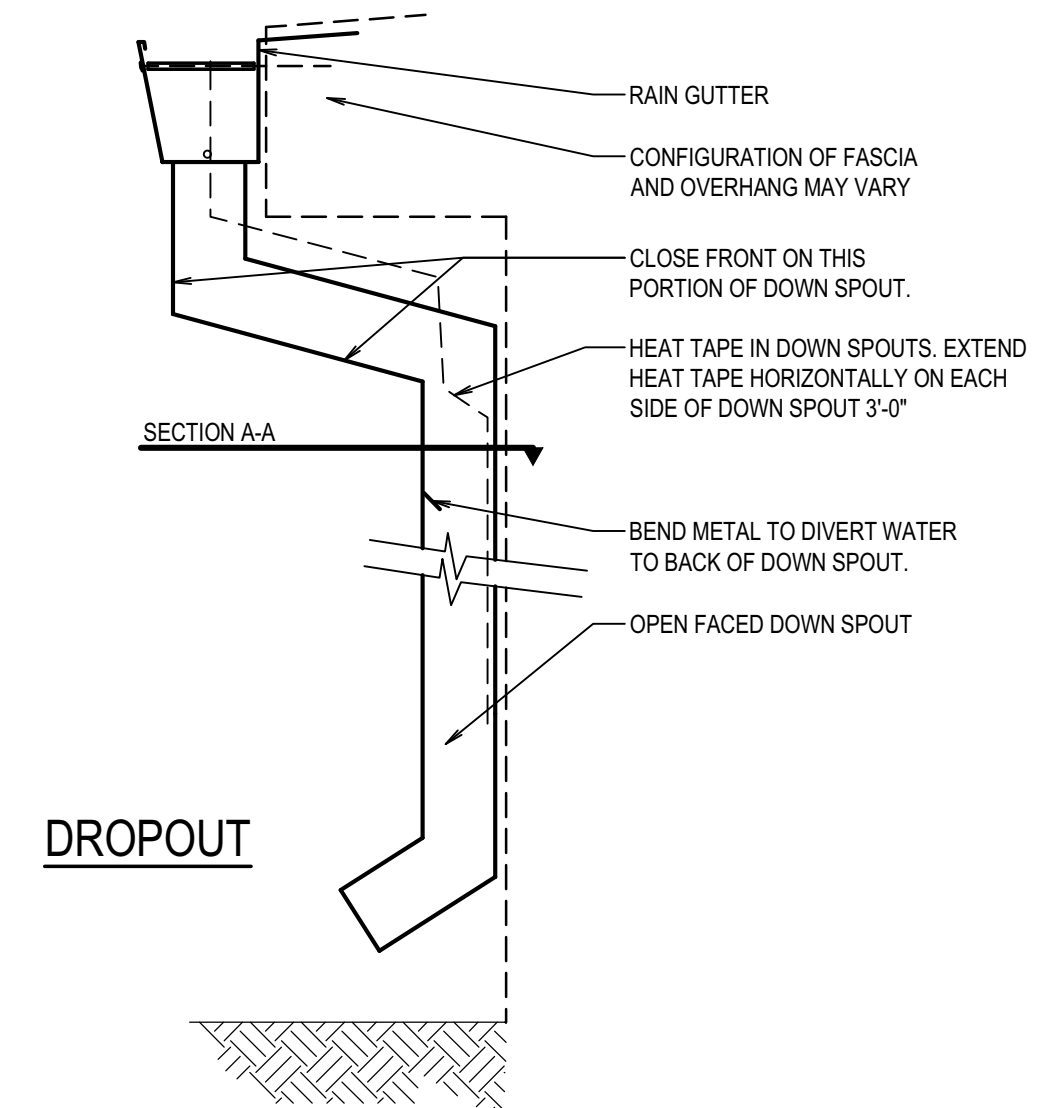
ROOF DRAINAGE PLAN
SCALE: 1/8" = 1'-0"



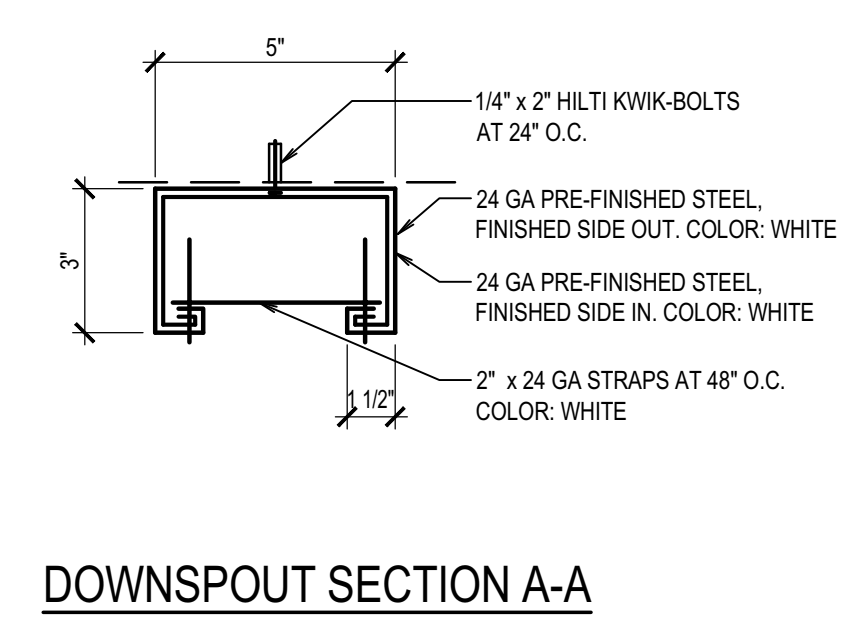
DETAIL 5
SCALE: 1 1/2" = 1'-0"



DETAIL 6
SCALE: NOT TO SCALE



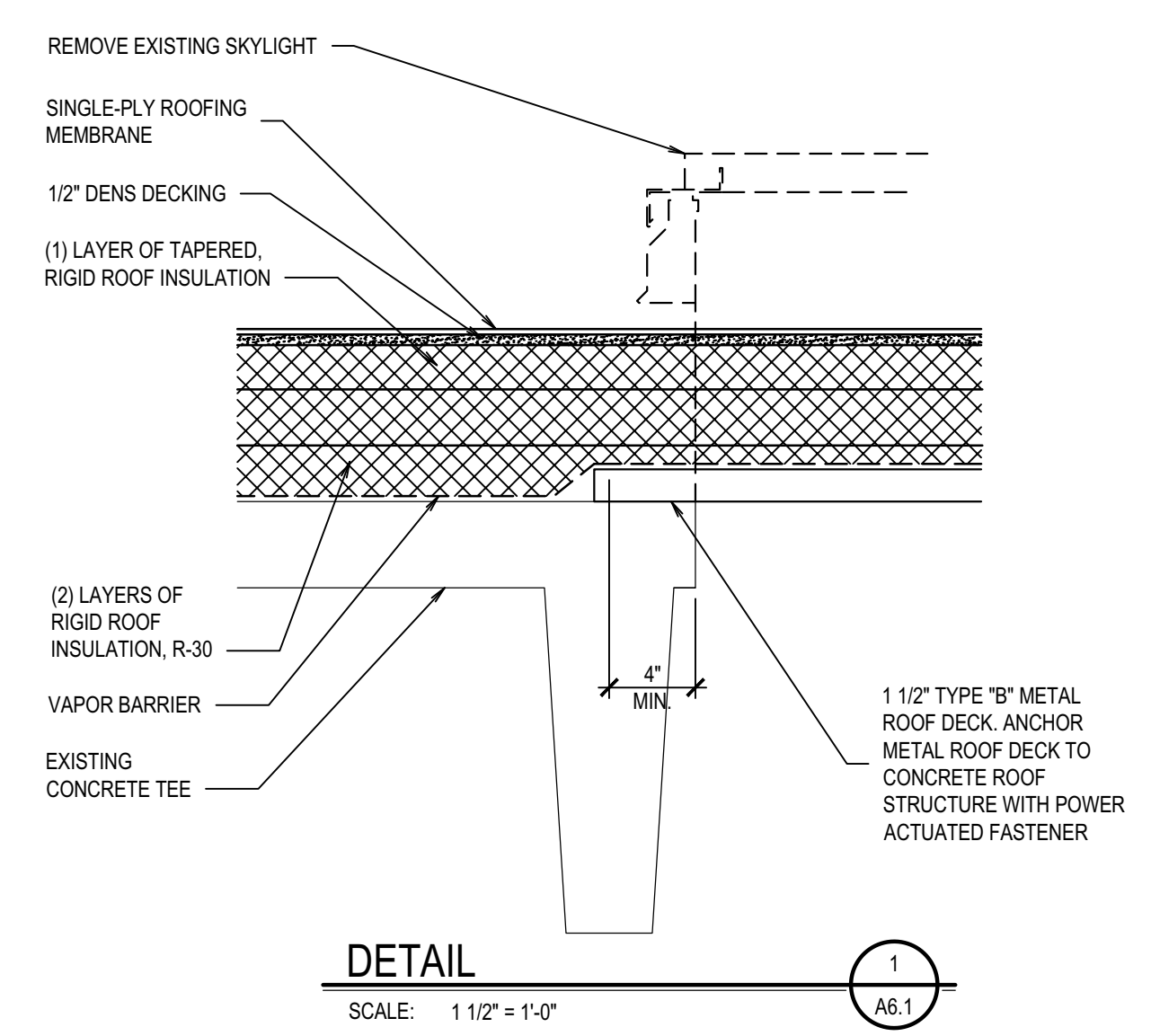
DROPOUT



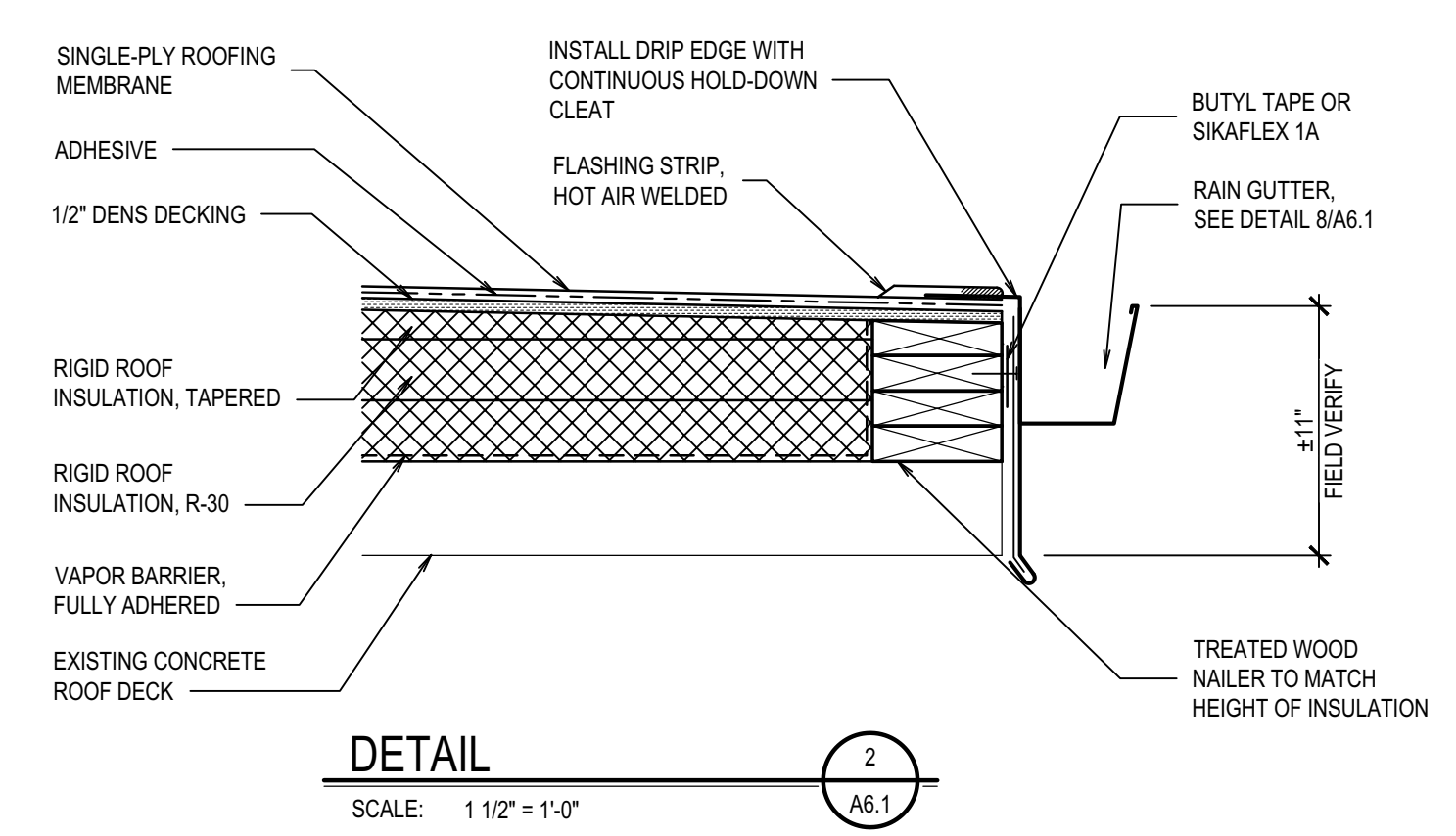
DOWNSPOUT SECTION A-A

- GENERAL NOTES**
1. COMPLETELY TEAR OFF AND PROPERLY DISPOSE OF EXISTING PVC MEMBRANE, AC FOAM INSULATION, AND TAPERED RIGID INSULATION DOWN TO CONCRETE DECK. REMOVE NAILERS AT BUILDING PERIMETER.
 2. APPROXIMATE ROOF AREA 6,632 SQFT. CONTRACTOR TO VERIFY.
 3. SEE MECHANICAL/PLUMBING DRAWINGS FOR ALL MECHANICAL/PLUMBING ROOF PENETRATIONS AND MECHANICAL ROOFTOP EQUIPMENT.
 4. INSTALL ROOFING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

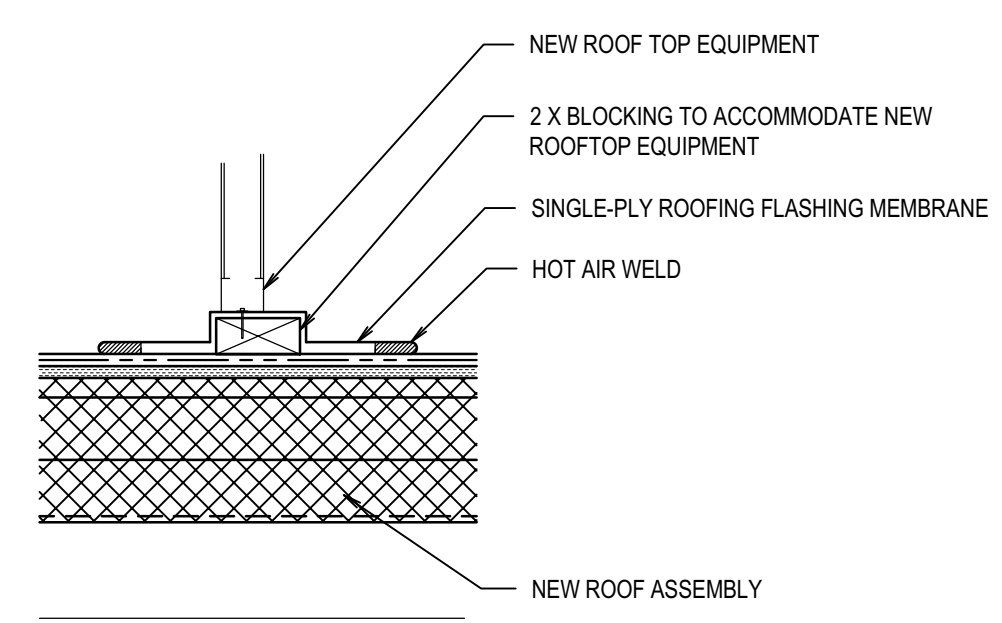
- KEYNOTES**
1. EXISTING LOWER ROOF TO REMAIN
 2. SKYLIGHT INFILL, TYPICAL FOR ALL SKYLIGHTS, SEE DETAIL 3/A6.1
 3. NEW SINGLE-PLY ROOFING MEMBRANE AND TAPERED INSULATION
 4. NEW RAIN GUTTER
 5. LINE OF BUILDING FOOTPRINT BELOW
 6. RIDGE OR HIP LINE CREATED BY NEW TAPERED INSULATION
 7. MECHANICAL ROOFTOP EQUIPMENT, SEE MECHANICAL DRAWINGS
 8. NEW CANOPY BELOW
 9. ROOF CAP, SEE MECHANICAL



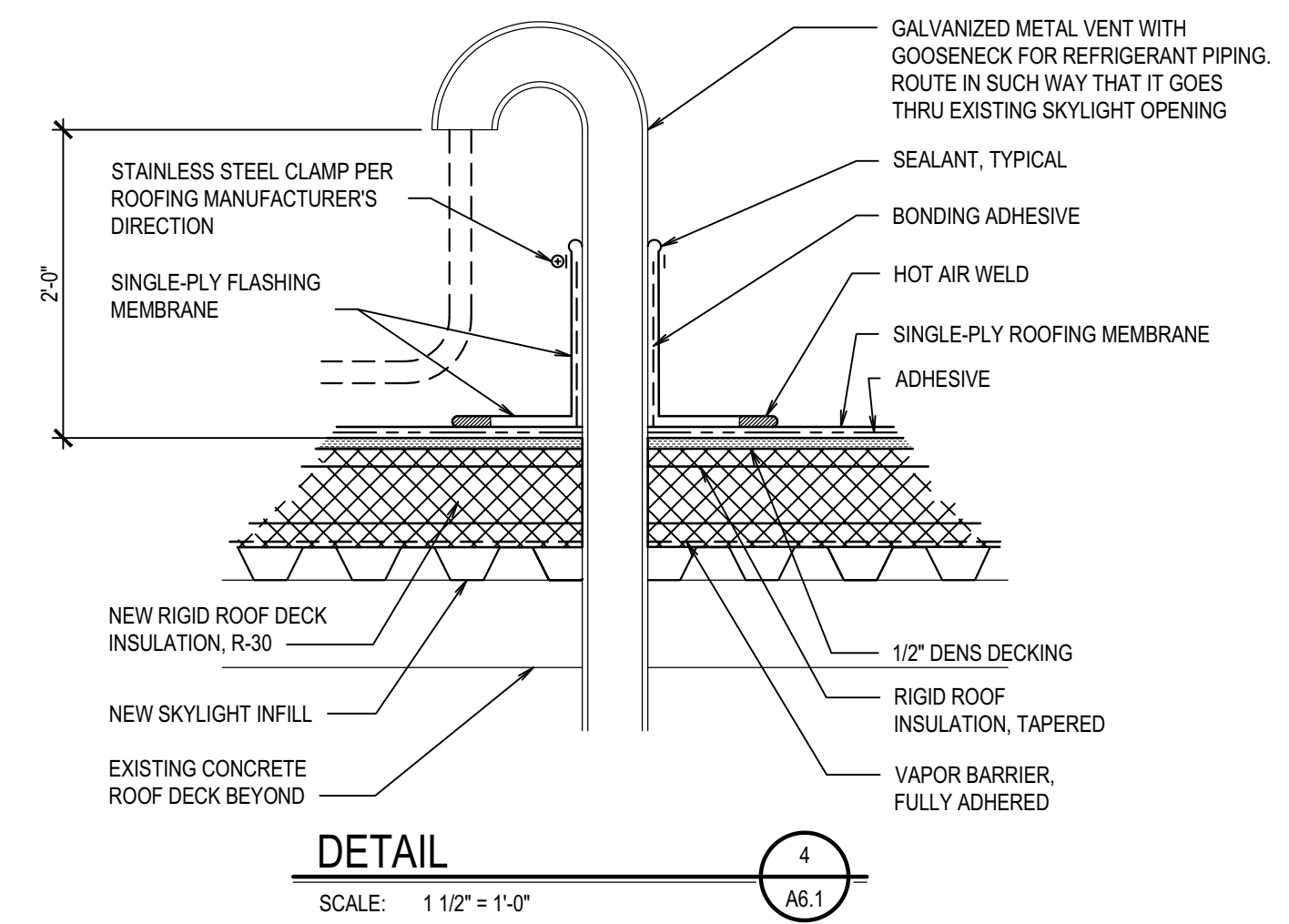
DETAIL 1
SCALE: 1 1/2" = 1'-0"



DETAIL 2
SCALE: 1 1/2" = 1'-0"

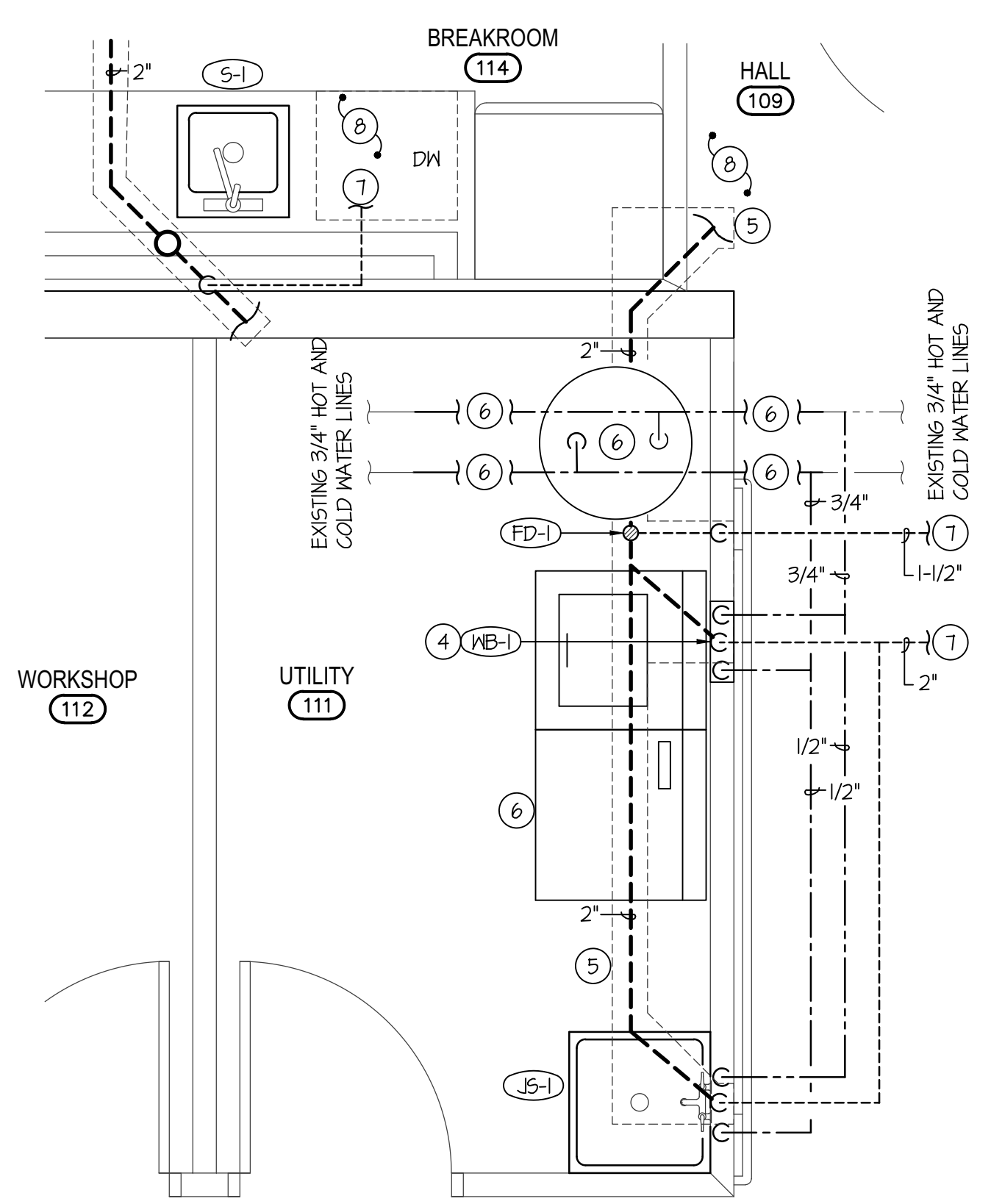


DETAIL 3
SCALE: 1 1/2" = 1'-0"

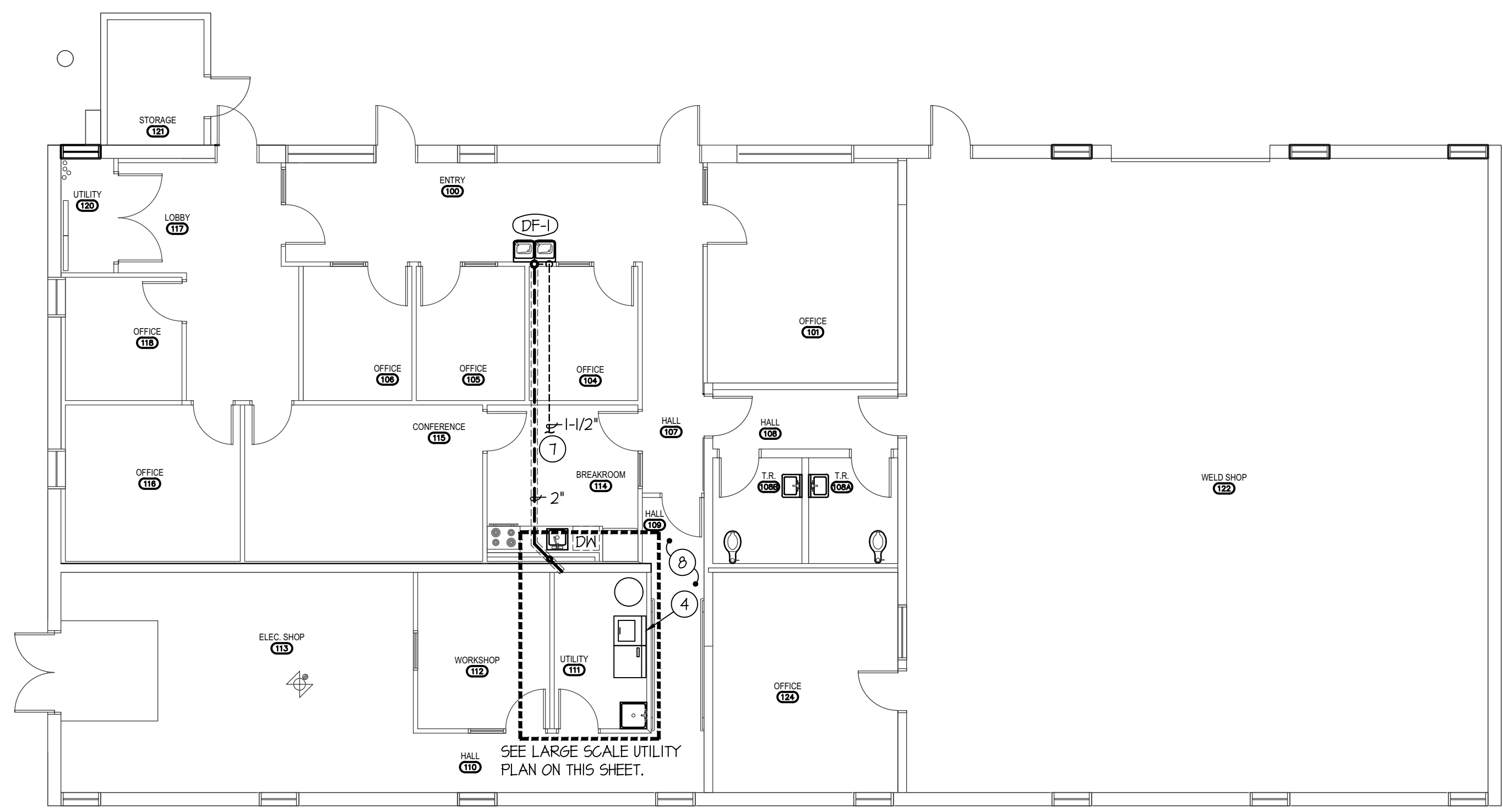


DETAIL 4
SCALE: 1 1/2" = 1'-0"

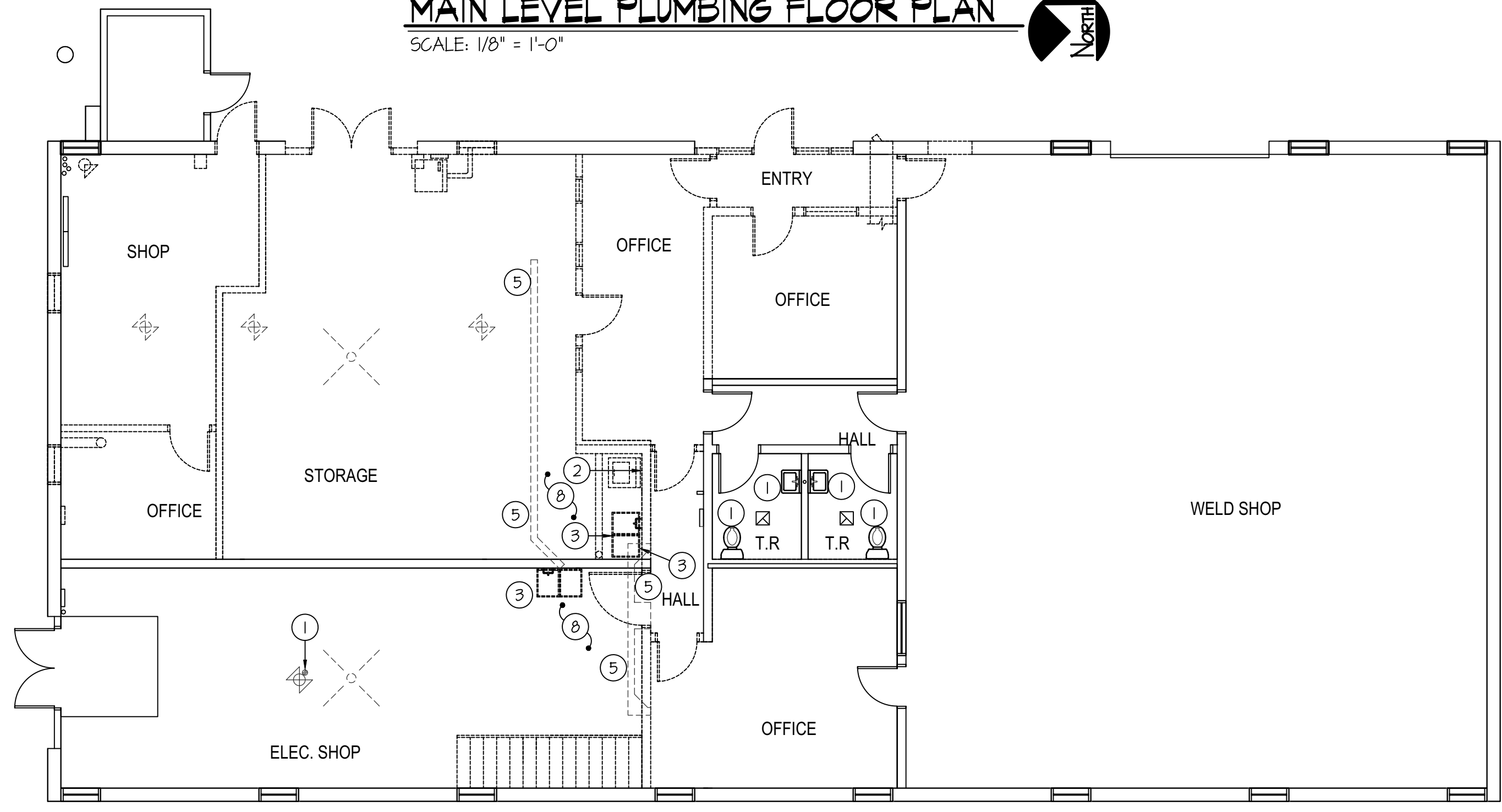
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LARGE SCALE UTILITY PLAN
SCALE: 1/2" = 1'-0"



MAIN LEVEL PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"



MAIN LEVEL DEMO PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES:

- 1 EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION.
- 2 EXISTING WASH BOX TO BE REMOVED AND DISPOSED OF. EXISTING WATER AND VENT TO BE REMOVED AND GAPPED IN CEILING SPACE. GAP WASTE BELOW SLAB AND ABANDON.
- 3 EXISTING SINK TO BE REMOVED AND DISPOSED OF. GAP WASTE, WATER AND VENT IN CEILING SPACE OR UNDER SLAB AND ABANDON.
- 4 INSTALL NEW WASH BOX IN THIS LOCATION. SEE DETAILS ON SHEET P21
- 5 SAW CUT FLOOR IN LOCATION AS SHOWN ON PLANS FOR NEW 2" WASTE LINE AND FLOOR DRAIN. MODIFY CUT AS REQUIRED FOR EXISTING WASTE LINE LOCATION AND ROUTE. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING AFTER WORK IS COMPLETE.
- 6 RELOCATE EXISTING WATER HEATER IN MEZZANINE SPACE ABOVE TO LOCATION AS SHOWN ON PLANS. RELOCATE CW & HW LINES IN MEZZANINE SPACE TO BELOW FOR NEW LOCATION. WATER LINES AS SHOWN ON PLANS ARE FOR CLARITY, RUN IN NEW CEILING SPACE AS MUCH AS POSSIBLE.
- 7 RUN NEW VENT LINE IN CEILING SPACE TO NEAREST EXISTING 2" OR LARGER. FIELD VERIFY NEAREST 2" LOCATION OR LARGER.
- 8 SCOPE EXISTING WASTE LINE SIZES, ROUTES AND ELEVATIONS BELOW SLAB PRIOR TO CONSTRUCTION AND FIELD VERIFY BEST SAW CUTS AND NEW WASTE ROUTES.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
MCO	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 REGRIC. PIPING
---	GAS PIPING
---	CONDENSATE DRAIN PIPING
---	ROOF DRAIN PIPING
---	ROOF OVERFLOW DRAIN PIPING

GENERAL NOTES:

- A- 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.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURES.

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 19085

Donnie C. Sudweeks
PROFESSIONAL ENGINEER
REGISTERED
STATE OF IDAHO
DATE: Jan 28, 2022

REVISIONS

NO.	DESCRIPTION

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

PROJECT NO. 19085
DATE: JANUARY 2022
DRAWN BY: T DAVIS
CHECKED BY: D SUDWEEKS

Plan Approval #BLD2201-0008
Date: 03/11/22
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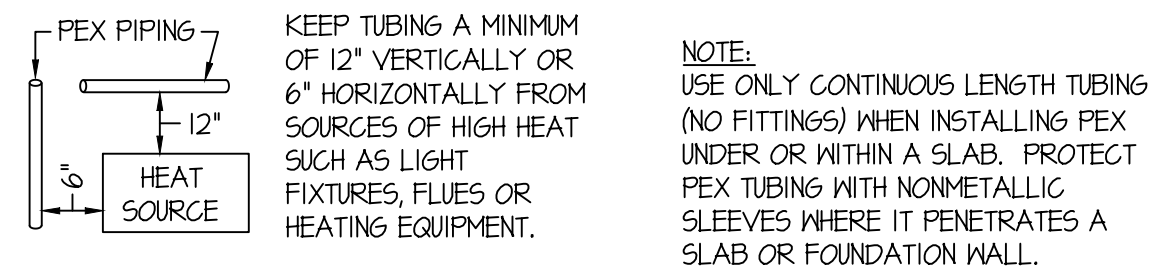
nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(208) 208-5222 (208) 208-5222 (208) 208-5222

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

SHEET TITLE: MAIN LEVEL PLUMBING FLOOR PLAN

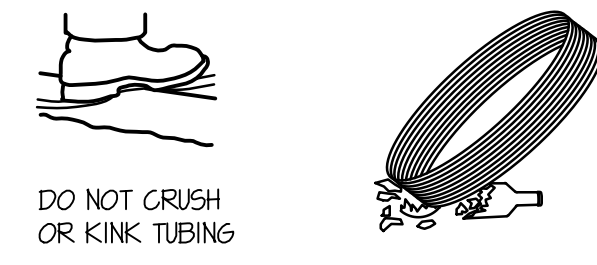
PROJECT NO. 19085
DATE: JANUARY 2022
DRAWN BY: T DAVIS
CHECKED BY: D SUDWEEKS

P1.1



MIN. CLEARANCES

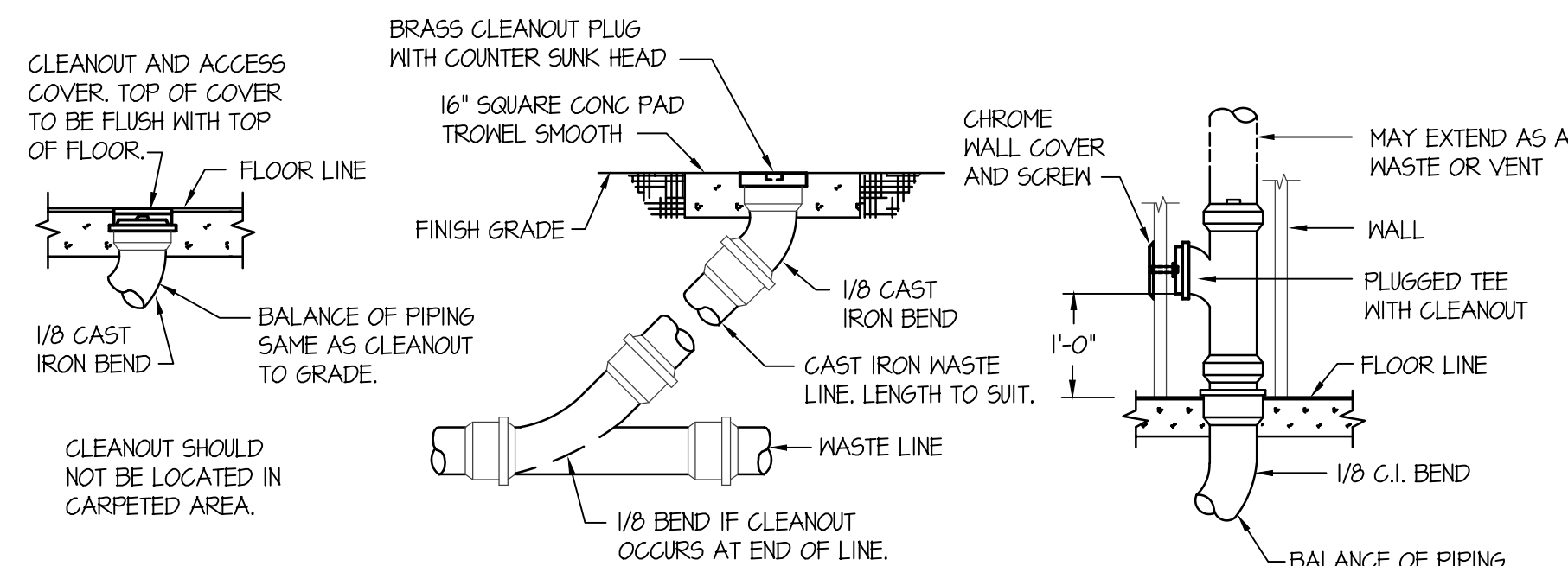
TUBING SIZE	MIN. RADIUS BENDING
3/8"	4"
1/2"	5"
3/4"	7"
1"	9"



TUBING AND FITTINGS SHALL BE STORED UNDERCOVER FOR CLEANLINESS AND TO AVOID EXPOSURE TO SUNLIGHT. CONSULT MANUFACTURER FOR RECOMMENDED LIMITS TO OUTSIDE STORAGE.

PEX PIPE HANDLING DETAILS

NO SCALE



FLOOR CLEANOUT (FCO)

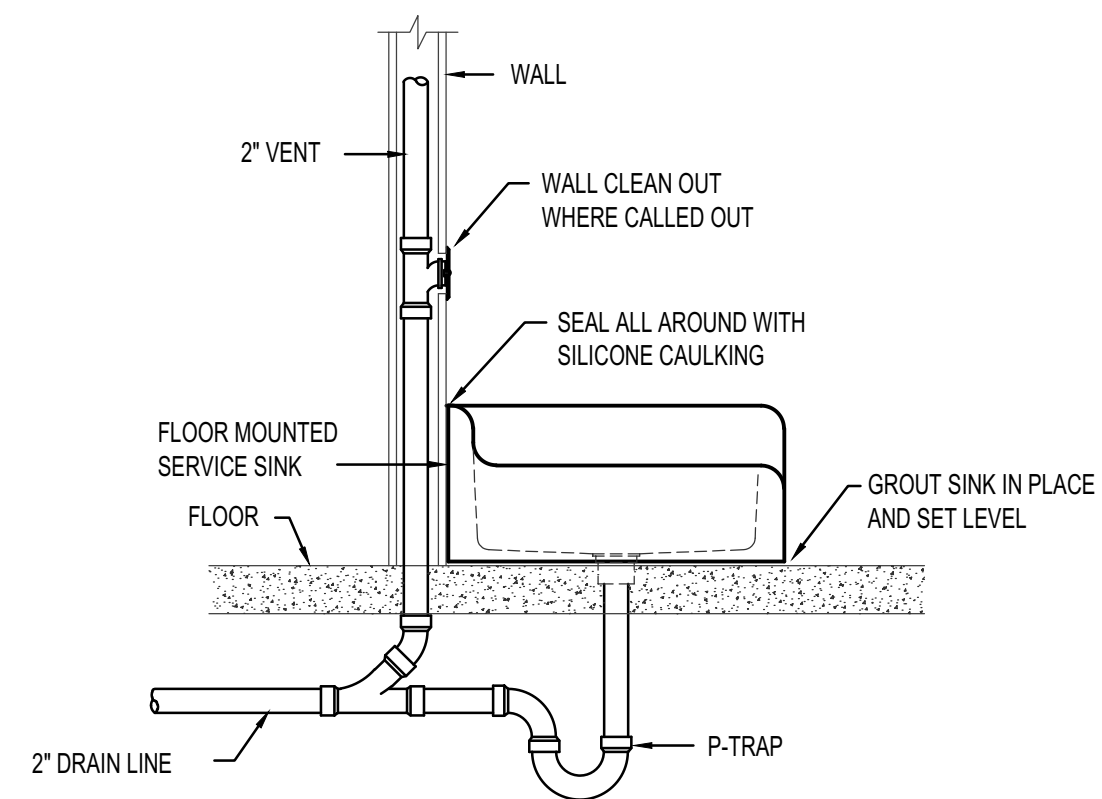
CLEANOUT TO GRADE (COTG)

WALL CLEANOUT (MCO)

CLEAN OUT DETAILS

NO SCALE

FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
(DF-1)	BI-LEVEL DRINKING FOUNTAIN - ELKAY MODEL LZ5TL8NSLK WITH BOTTLE FILLER STATION & FILTER FRONT PUSH BAR OPERATORS, 1/2" STOP, 1-1/2" P-TRAP AND FLEX-GUARD SAFETY BUBBLER VALVE.	---	1/2"	1-1/2"	1-1/2"
(FD-1)	2" FLOOR DRAIN - ZURN Z-415 WITH 5"Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP.	---	---	2"	2"
(JS-1)	FLOOR MOUNTED SERVICE SINK - MUSTEE MODEL 63M (24"x24") MOP SINK WITH 63600A FAUCET AND 2" DEEP SEAL P-TRAP AND STRAINER	1/2"	1/2"	2"	2"
(S-1)	SINGLE COMPARTMENT SINK - ELKAY MODEL LR-2214 WITH 1Ø 6A TYPE 3Ø4 STAINLESS STEEL CONSTRUCTION, 1-HOLE FAUCET DRILLING, ELKAY LK1000CR FAUCET, GARBAGE DISPOSAL, LK-99 STRAINER, 1-1/2" P-TRAP AND 1/2" BALL TYPE STOP VALVES.	1/2"	1/2"	1-1/2"	1-1/2"
(WB-1)	WASH BOX - OATEY POLY WASHER BOX WITH 1/2" HN AND CN STOP VALVES 2" STANDPIPE WITH P-TRAP.	1/2"	1/2"	2"	2"

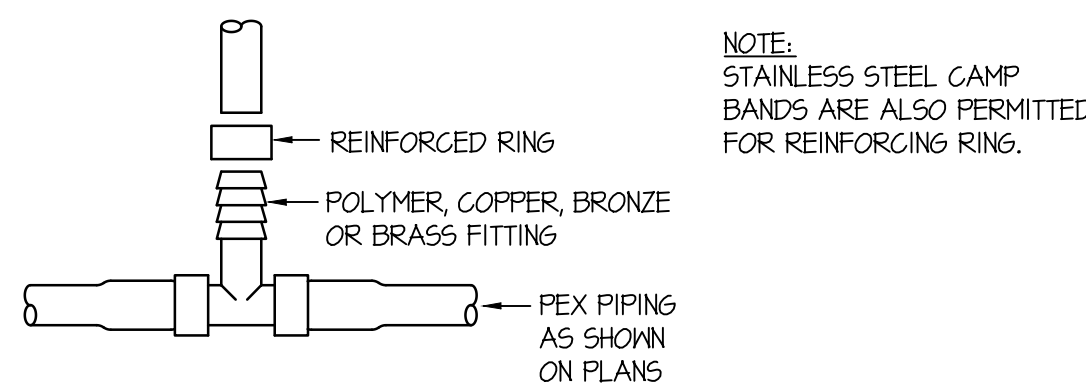


SERVICE SINK INSTALLATION DETAIL

NO SCALE

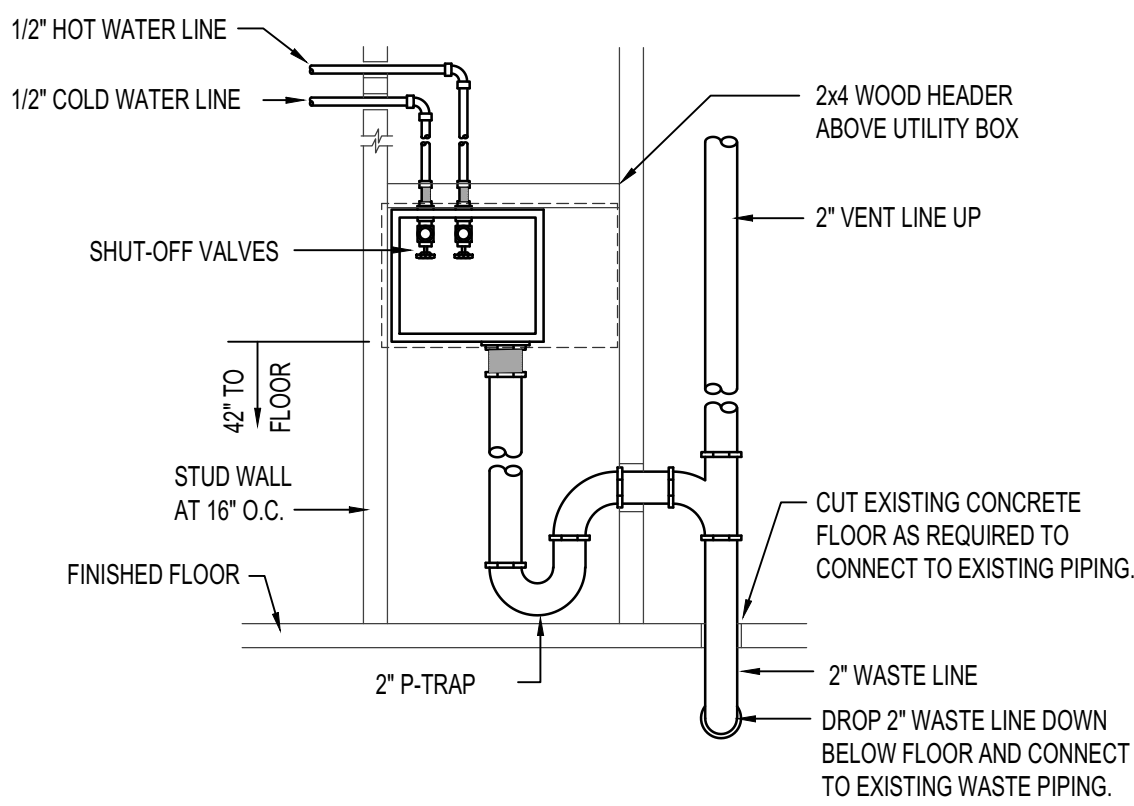
THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF THE PIPE, IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.

ALL JOINTS (TEES, ELBOWS, COUPLINGS, ETC.) ARE JOINTED SIMILARLY.



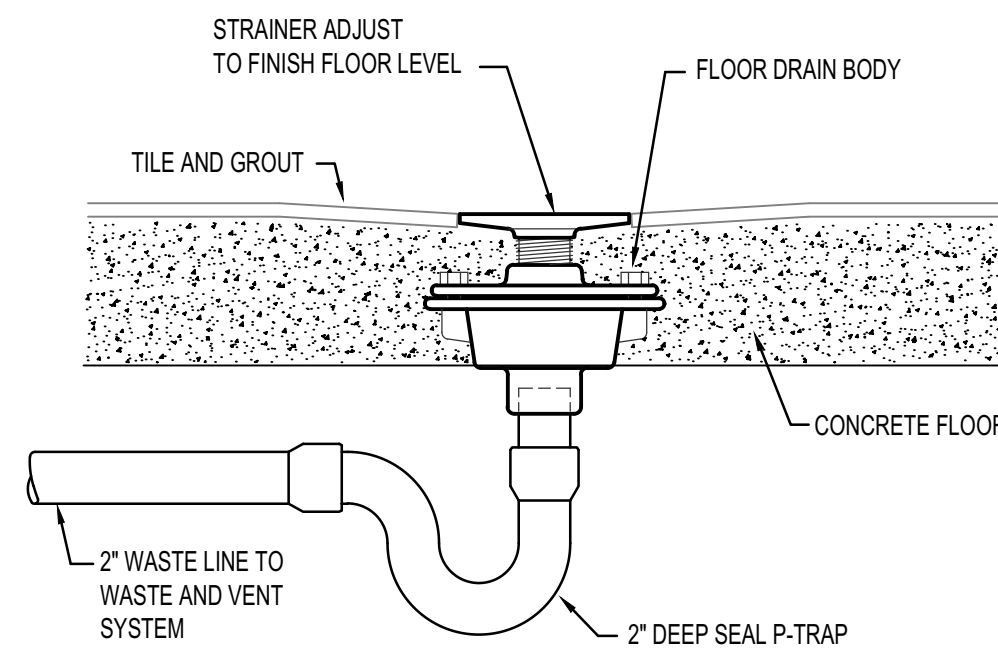
PEX PIPE FITTING DETAILS

NO SCALE



WASHER BOX PIPING DETAIL

NO SCALE



FLOOR DRAIN IN CONCRETE FLOOR

NO SCALE

PROFESSIONAL ENGINEER
REGISTERED
WAYNE C. SUDWECKS
Jan 20, 2022

Engineered Systems Associates
1355 EAST CENTER
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EMAIL: esa@engsystems.com
ESA JOB NUMBER: 19085

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Plan Approval #BLD2201-0008
Date: 03/11/22
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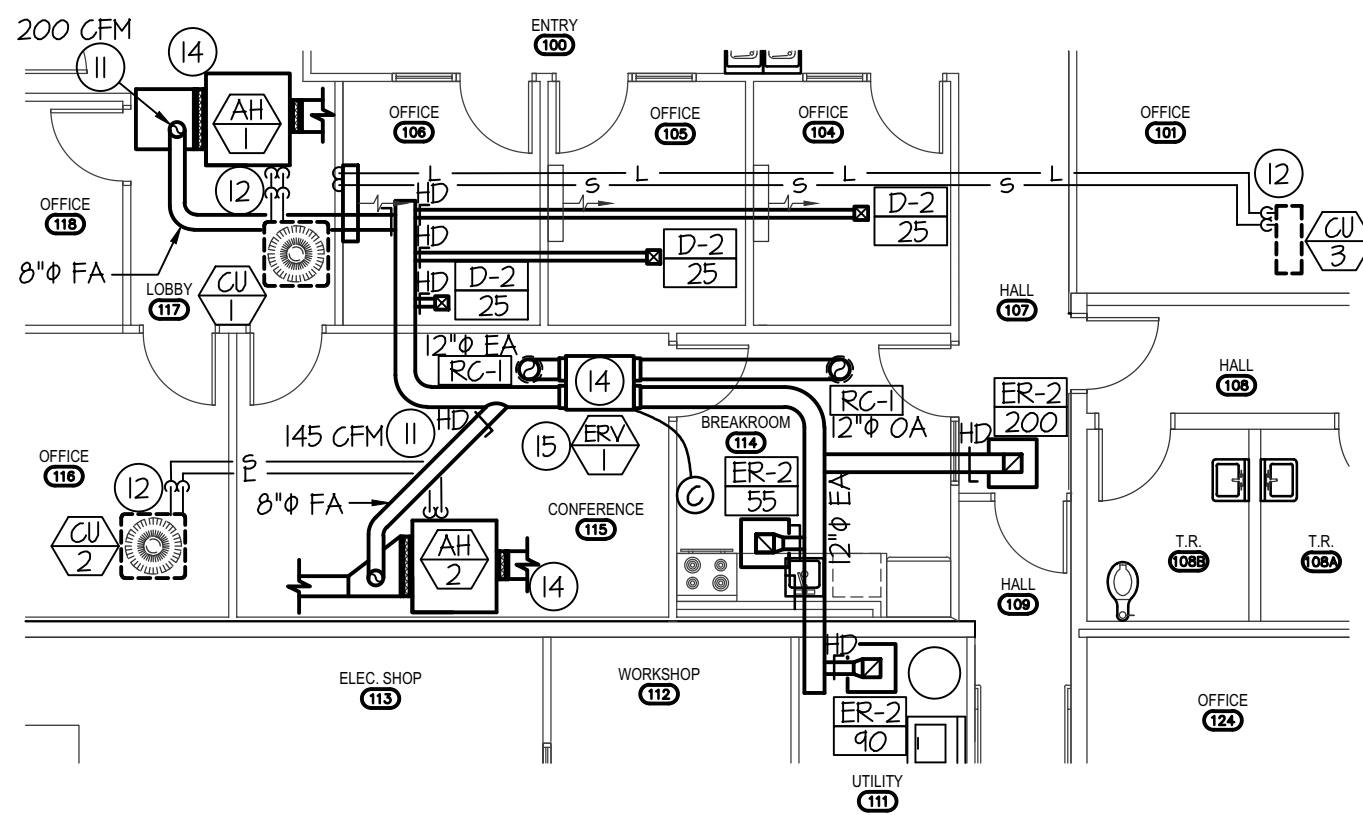
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 PLUMBING DETAILS AND SCHEDULES
 SHEET TITLE:

REVISIONS

PROJECT NO.
19085
 DATE:
JANUARY 2022
 DRAWN BY:
T DAVIS
 CHECKED BY:
D SUDWECKS
 DRAWING NO.:

GENERAL NOTES:

- A- 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.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURES.



MAIN LEVEL ERV & REFRIGERATION FLOOR PLAN

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

FAN COIL SCHEDULE

SYM.	CFM	CHAR.	FAN WATTS	MCA	WEIGHT	COOLING CAPACITY	CONDENSATE DRAIN	REMARKS
FC-3	237	FROM CU-3 208/1	30	7	22#	12,000 BTU	3/4"	MITSUBISHI M-SERIES MSY-GL12NA-JI

CONDENSING UNIT SCHEDULE

SYM.	BTU	EAT	CHAR.	MCOF	MCA	SEER	REFR.	PIPE SIZING LIQUID SUCTION	REMARKS
CU-1	24,000	45°F	208/60/1	25	14.7	14.0	R-410A	3/8" 5/8"	LENNOX MODEL ML14XG1 WITH 0°F LOW AMBIENT HARD START KIT.
CU-2	18,000	45°F	208/60/1	20	12	14.0	R-410A	3/8" 5/8"	LENNOX MODEL ML14XG1 WITH 0°F LOW AMBIENT HARD START KIT.
CU-3	12,000	45°F	208/60/1	15	7	23	8#	1/4" 3/8"	MITSUBISHI ELECTRIC M-SERIES MODEL MUY-GL12NA-U2.

ENERGY RECOVERY UNIT

SYM.	TYPE	CFM	MOTOR HP	WATTS	CHAR.	CONTROL	REMARKS
ERV-1	4 DUCT UNIT	425	0.6	335	208/60/1	WORKDAY TIME CLOCK	RENAISSANCE MODEL EV450IN WITH HANGING BRACKET KIT, VIBRATION ISOLATION KIT, & QTY (2) MERV 8 14x20x2 FILTERS

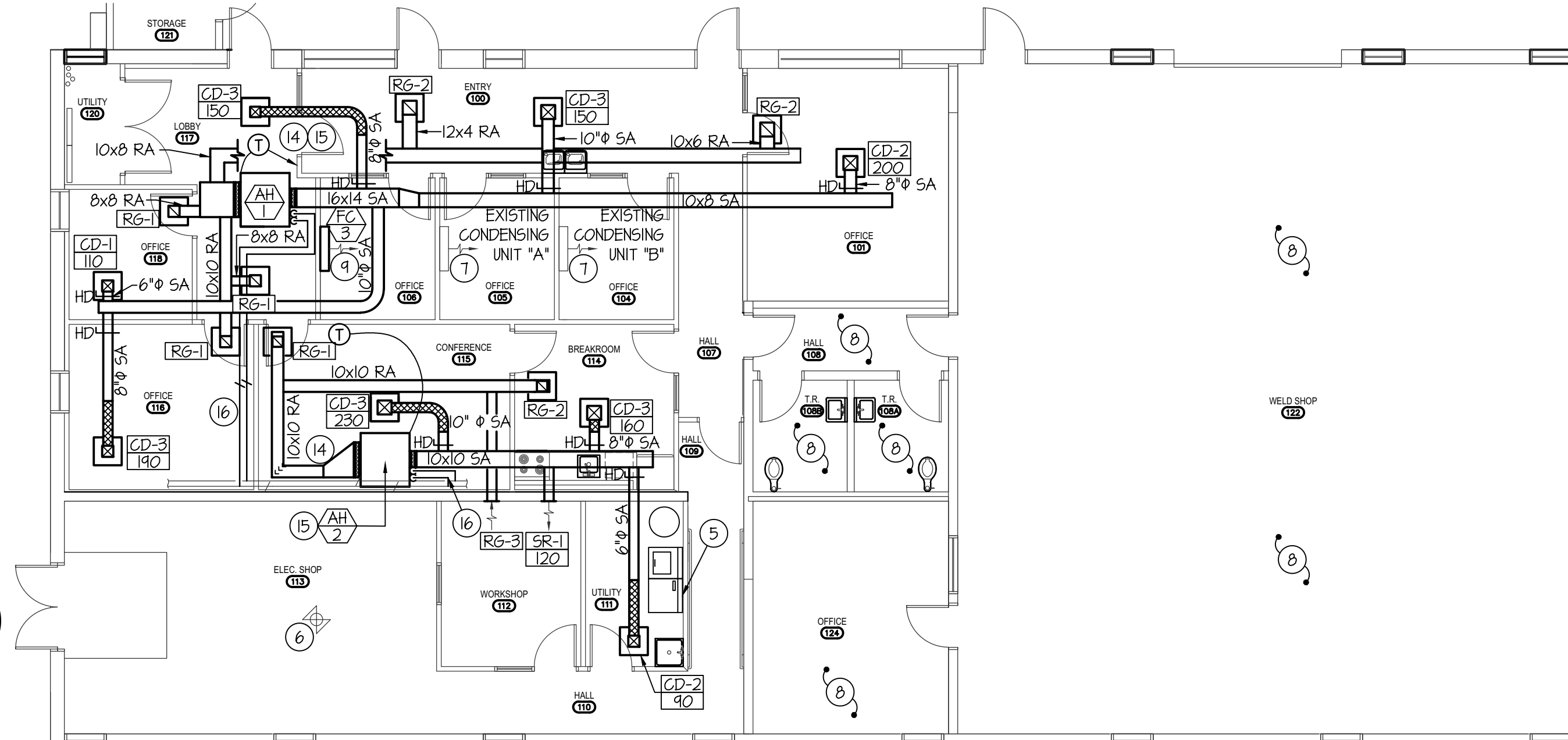
AIR HANDLER

SYM.	TYPE	CFM	CHAR.	MCOF	MCA	H.P.	E.D.R.	E.A.T.	STEAM PRESS.	VALVE	TRAP	WEIGHT	(STEAM)			REMARKS		
													STEAM SUPPLY	CONDENSATE	REFRIGERANT LIQUID SUCTION			
AH-1	STEAM	800	208/60/1	20	12	1/2	90	60	5 PSI	3/4"	3/4"	90#	1-1/2"	1"	3/8"	3/4"	R-410A	MAGIC AIR MODEL HCA06 STANDARD STEAM WITH DX COOLING COIL TO MATCH
AH-2	STEAM	600	208/60/1	15	6.3	1/3	75	60	5 PSI	3/4"	3/4"	90#	1-1/2"	1"	3/8"	3/4"	R-410A	MAGIC AIR MODEL HCA06 STANDARD STEAM WITH DX COOLING COIL TO MATCH

GRILLE AND REGISTER SCHEDULE

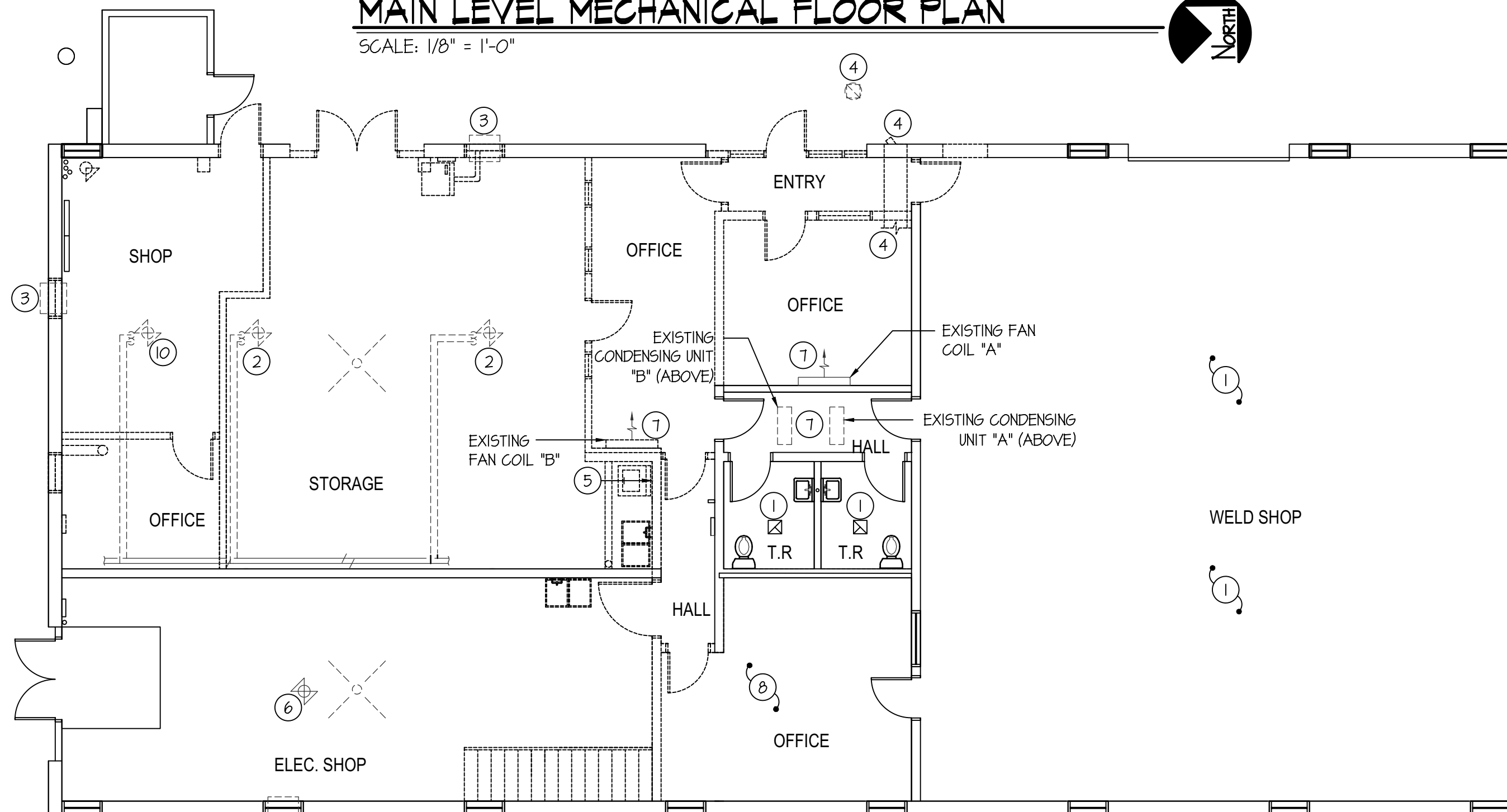
SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BRANCH DUCT	BALANCING DAMPER	FIRE DAMPER	REMARKS
CD-1 (CFM)	CEILING	6x6	50-125	⬇	STEEL	WHITE	6"φ	YES	NA	PRICE MODEL SMD IN 24x24 LAY-IN CEILING
CD-2 (CFM)	CEILING	6x6	50-125	⬇	STEEL	WHITE	6"φ	YES	NA	PRICE MODEL SMD IN 24x24 LAY-IN CEILING
CD-3 (CFM)	CEILING	4x4	150-285	⬇	STEEL	WHITE	8"φ-10"φ	YES	NA	PRICE MODEL SMD IN 24x24 LAY-IN CEILING
SR-1 (CFM)	SIDNALL REGISTER	6x14	50-125	⬇	STEEL	WHITE	6"φ	YES	NA	PRICE MODEL 510
RG-1	RETURN GRILLE	8x8	125-150	NA	STEEL	WHITE	6"φ-8"φ	NA	NA	PRICE MODEL 535 IN 24x24 LAY-IN CEILING
RG-2	RETURN GRILLE	10x10	150-350	NA	STEEL	WHITE	8"φ-10"φ	NA	NA	PRICE MODEL 535 IN 24x24 LAY-IN CEILING
RG-3	SIDENALL RETURN	8x8	125-160	NA	STEEL	WHITE	6"φ-8"φ	NA	NA	PRICE MODEL 535
ER-1	CEILING	6x6	50-75	NA	STEEL	WHITE	6φ	YES	NA	PRICE MODEL 535
ER-2	CEILING	4x4	150-250	NA	STEEL	WHITE	8φ	YES	NA	PRICE MODEL 535
RC-1	ROOF CAP	12"	420	NA	ALUM	ALUM	NA	NA	NA	TWIN CITY MODEL 634M WITH INSECT SCREEN

Mechanical Plan Review: APPROVED
 Final approval shall be based upon HVAC inspection for adherence to the 2018 IMC, 2018 IFGC, Idaho Statute Title 54 Chapter 50, stamped approved plans and manufacturers installation instructions.



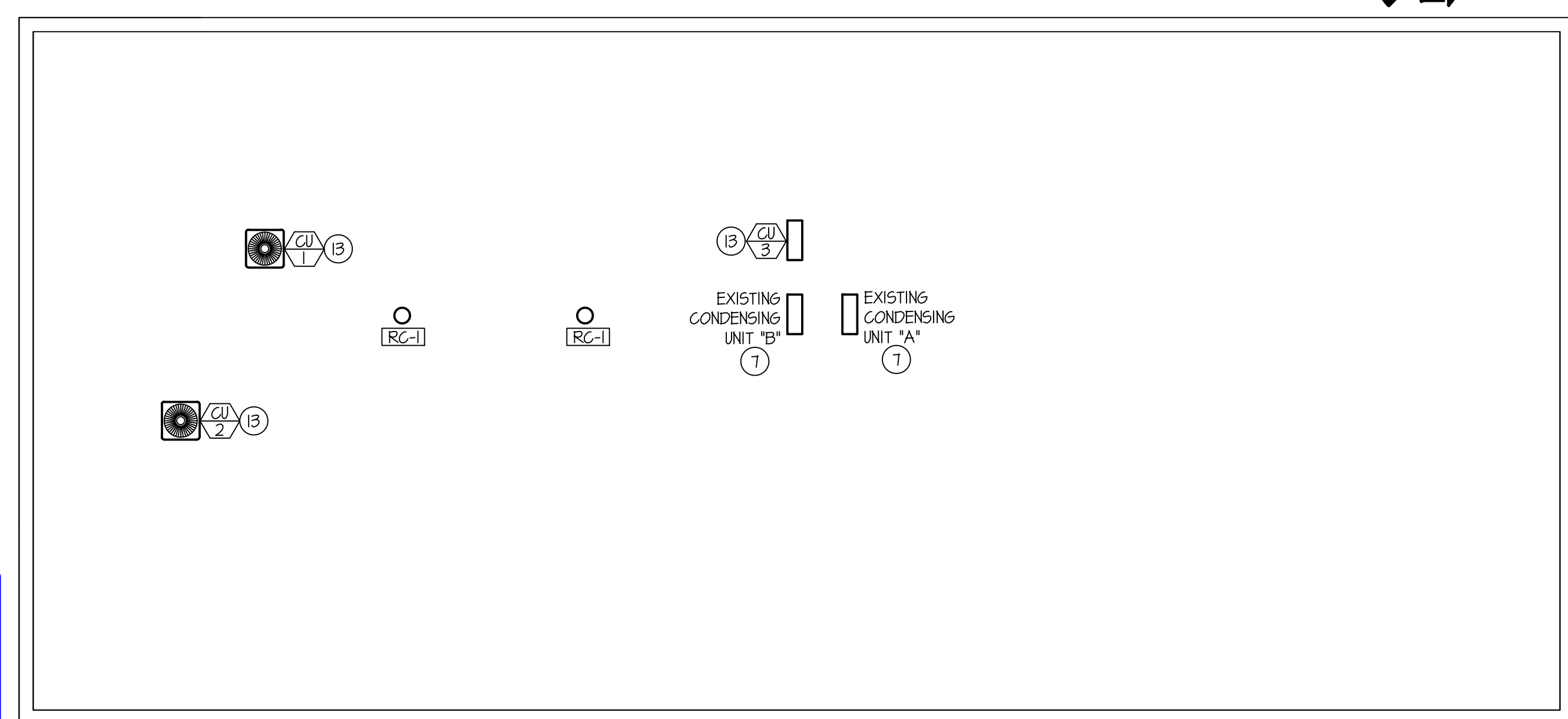
MAIN LEVEL MECHANICAL FLOOR PLAN

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



MAIN LEVEL DEMO MECHANICAL FLOOR PLAN

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



ROOF MECHANICAL PLAN

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

PLAN NOTES:

- 1 EXISTING EXHAUST FAN TO REMAIN. PROTECT DURING CONSTRUCTION.
- 2 EXISTING STEAM UNIT HEATER TO BE REMOVED & REPLACED WITH NEW STEAM AIR HANDLER. ISOLATE STEAM AND CONDENSATE LINES DURING SWITCH OVER. FIELD VERIFY EXACT EXISTING SHUT OFF VALVES AND REPLACE WITH NEW FOR NEW UNIT. SEE STEAM COIL PIPING DIAGRAM ON SHEET SHEET M2.I.
- 3 EXISTING WINDOW AC UNITS TO BE REMOVED AND RETURNED TO OWNER DURING CONSTRUCTION.
- 4 REMOVE AND DISPOSE OF EXISTING DUCT, EXHAUST FAN, AND GRILLE IN THIS LOCATION. ALSO REMOVE CORRESPONDING & ABANDONED DUCTWORK IN CEILING SPACE NOT SHOWN ON PLANS. COORDINATE WITH GENERAL CONTRACTORS FOR PATCHING.
- 5 REMOVE EXISTING 4" DRYER DUCT IN THIS LOCATION AND BACK TO ROOF CAP FOR NEW DRYER LOCATION. INSTALL NEW DYER DUCTWORK FOR NEW DRYER LOCATION. SEE DYER DUCT CONNECTION ON SHEET M2.I.
- 6 EXISTING STEAM UNIT HEATER TO REMAIN. PROTECT DURING CONSTRUCTION.
- 7 EXISTING MINI SPLIT FAN COIL TO BE REMOVED AND RELOCATED. SEE THIS SHEET FOR NEW LOCATION. REMOVE AND RE-INSTALL CONDENSING UNITS ON ROOF FOR NEW ROOFING. FIELD VERIFY EXACT LOCATION OF EXISTING CONDENSING UNIT. REPLACE CONDENSING UNITS MOUNTING HARDWARE. SEE MINI-SPLIT DETAILS ON SHEET M2.I FOR RE-INSTALL.
- 8 NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- 9 NEW MINI SPLIT FAN COIL / CONDENSING UNIT TO BE INSTALLED IN THIS LOCATION. SEE TYPICAL INSTALL DETAIL ON SHEET M2.I.
- 10 EXISTING STEAM UNIT HEATER AND PNEUMATIC CONTROLS TO BE REMOVED AND DISPOSED OF. REMOVE STEAM & CONDENSATE PIPING BACK TO MAINS & CAP.
- 11 BALANCE HAND DAMPER TO CFM AS INDICATED ON PLANS.
- 12 SEE ROOF PENETRATION & REFRIGERATION SUPPORT DETAILS ON SHEET M2.I. RUN REFRIGERATION LINES AS MUCH AS POSSIBLE IN CEILING SPACE.
- 13 INSTALL OR RE-INSTALL NEW CONDENSING UNITS 10' AWAY FROM EDGE OF BUILDING.
- 14 TIE ALL NEW AIR HANDLERS AND ERV UNITS TO CAMPUS DDC SYSTEM. SEE SPECIFICATION.
- 15 NEW EQUIPMENT TO BE INSTALLED IN CEILING SPACE ABOVE. DUCTWORK TO BE RUN IN CEILING SPACE AS MUCH AS POSSIBLE. RUN 3/4" CONDENSATE DRAINS TO EXISTING MEZZANINE FLOOR DRAIN AND ROUTE AROUND FOOT TRAFFIC.
- 16 RUN NEW STEAM LINES TO NEW STEAM AIR HANDLERS IN MEZZANINE SPACE. SEE REQUIRED MIN STEAM LINES TO NEW EQUIPMENT ON THE SCHEDULES. SEE SUPPORT AND CONNECTION DETAILS FOR NEW STEAM LINES ON SHEET M2.I.

1/28/2022 3:59:27 PM F:\18\19085 ISU Bldg. 24 DFW 20 232\19085 ISU CUSTODIAL.dwg

Engineered Systems Associates
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 FAX: (208) 233-0529
 EMAIL: esa@engsystems.com
 ESA JOB NUMBER: 19085

PROFESSIONAL ENGINEER REGISTERED STATE OF IDAHO
 DATE: JAN 20, 2022

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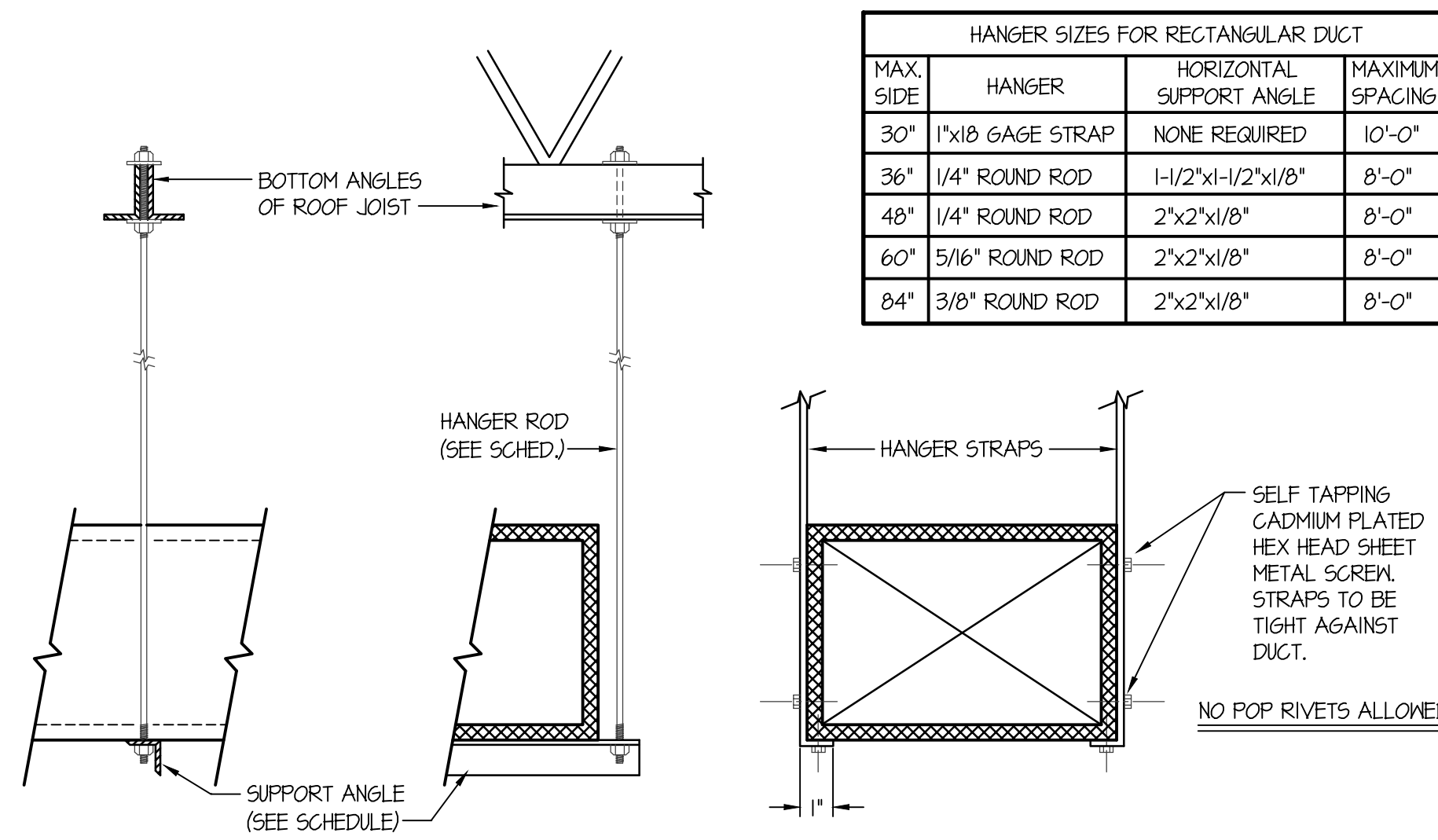
nwarchitects.p.a.
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 (208) 208-5222 (208) 208-5222 (208) 208-5222

DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MECHANICAL PLAN AND SCHEDULES

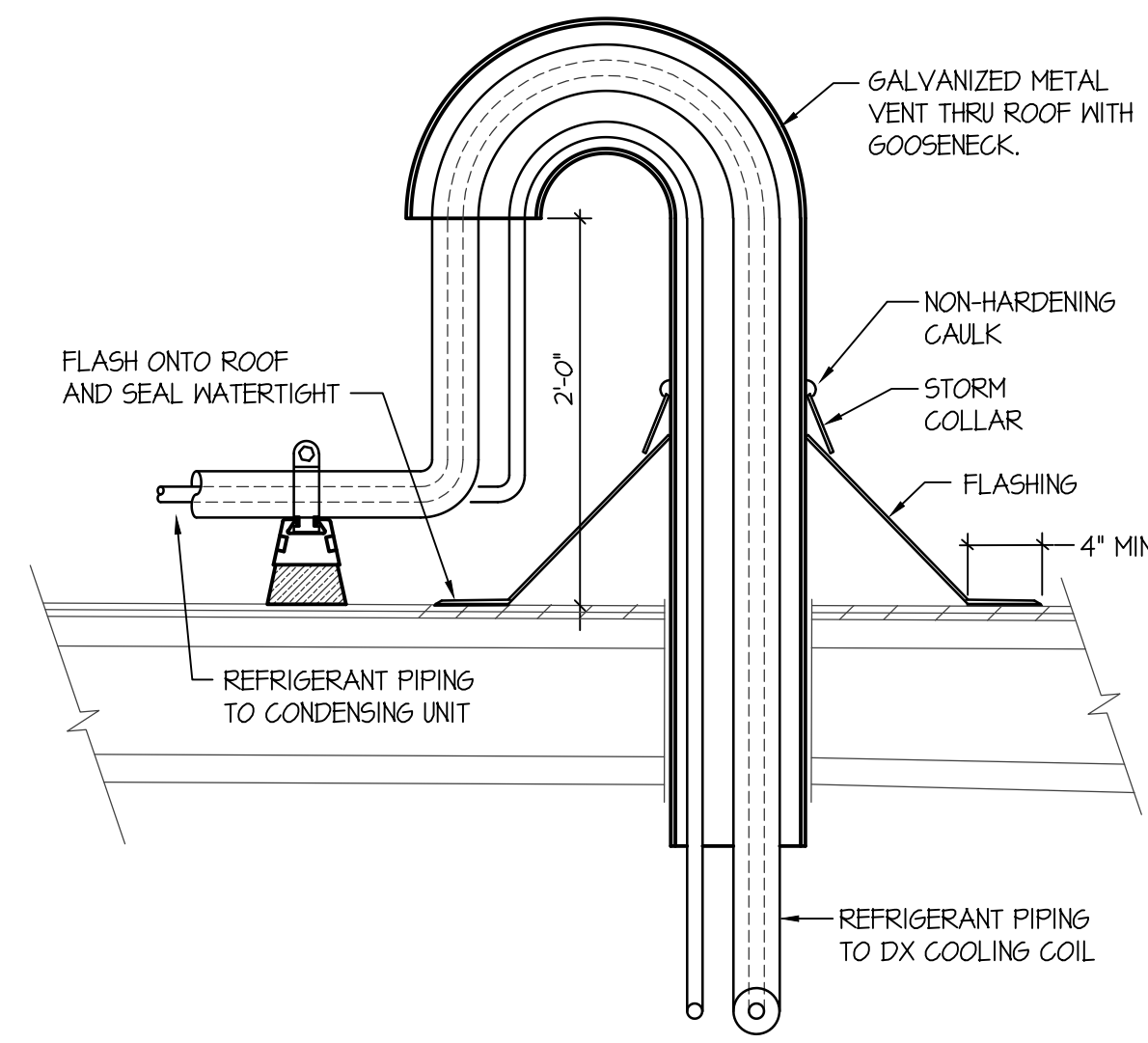
REVISIONS

NO.	DATE	DESCRIPTION

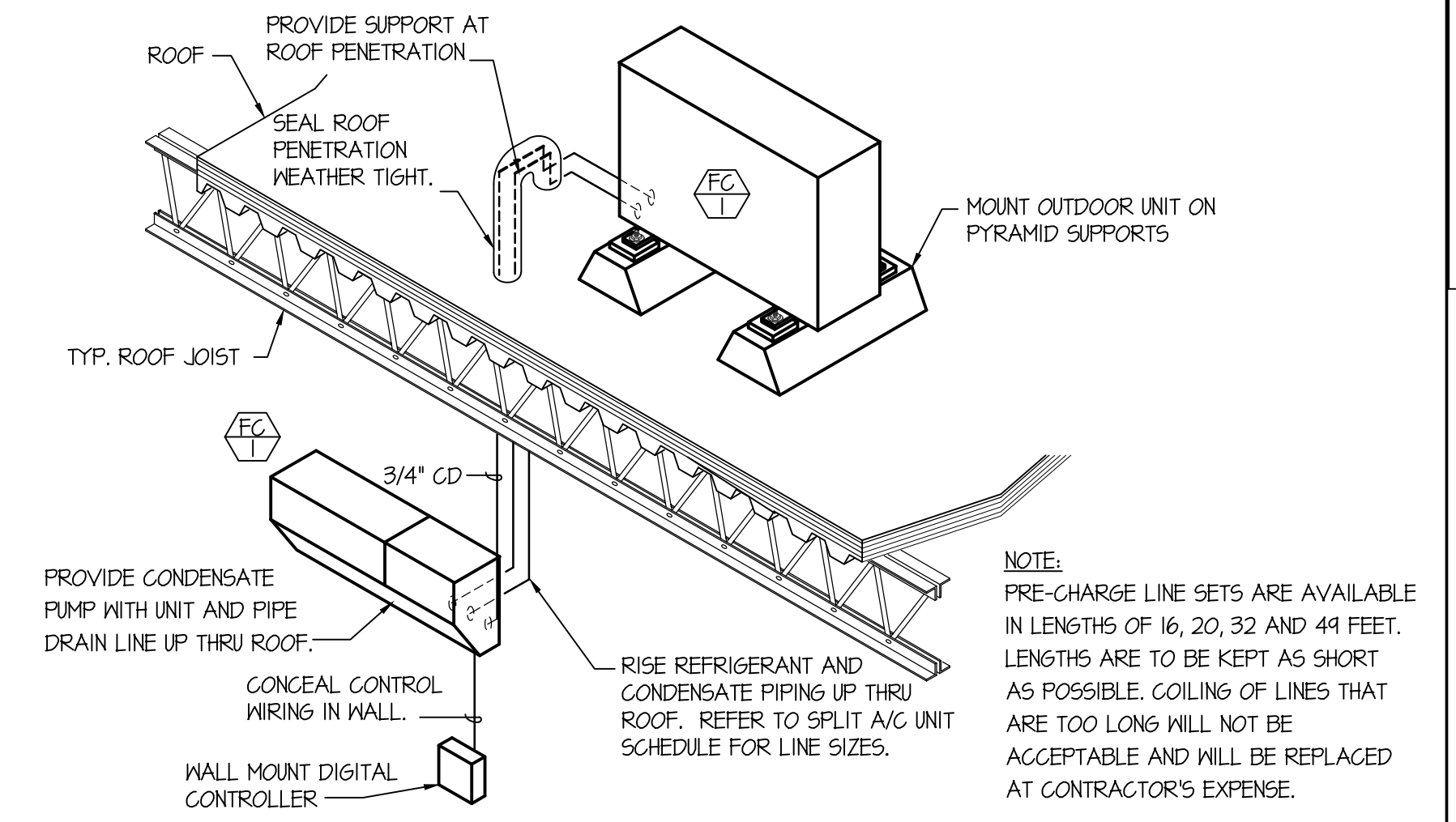
PROJECT NO. 19085
 DATE: JANUARY 2022
 DRAWN BY: T DAVIS
 CHECKED BY: D SUDWEEKS
 DRAWING NO.: **M1.1**



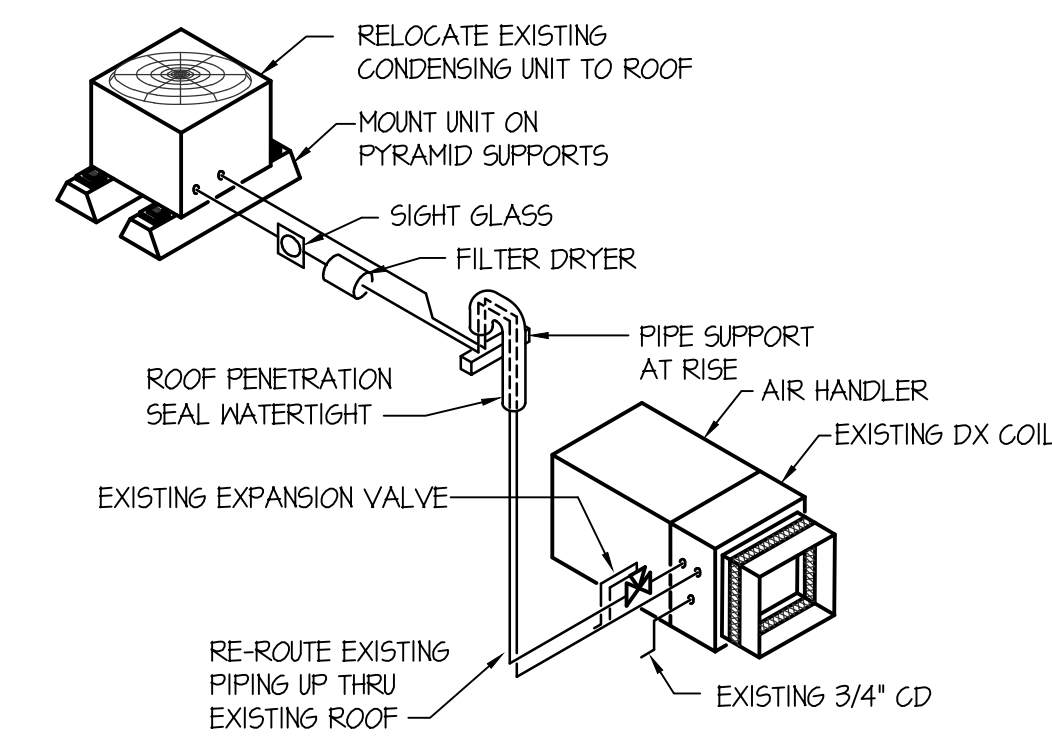
DUCT STRAP HANGER DETAIL
NO SCALE



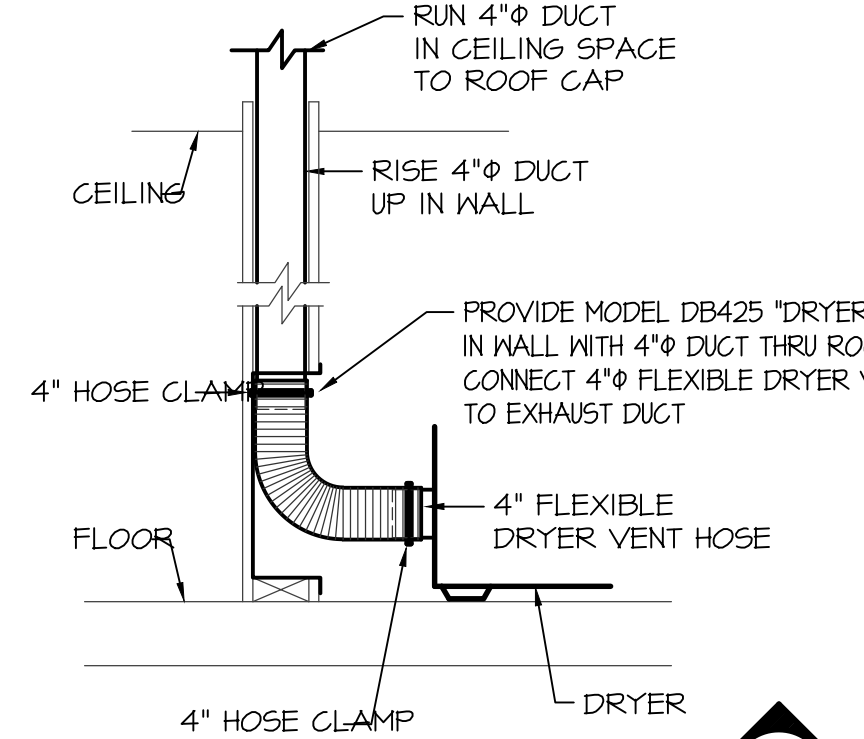
PIPING THRU ROOF DETAIL
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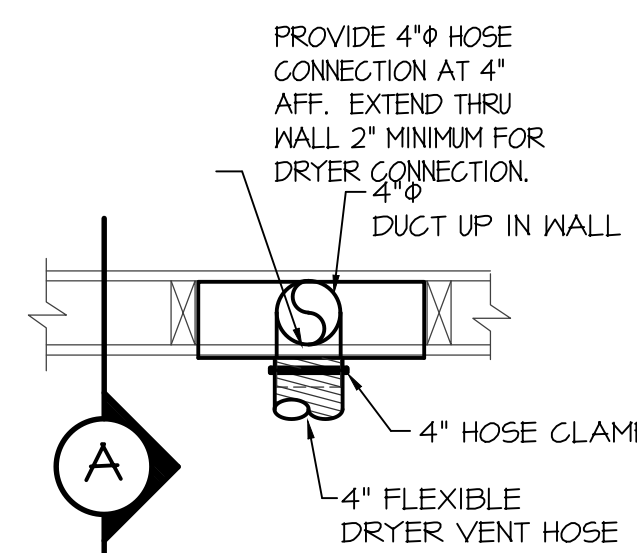
FAN COIL & REFRIGERANT PIPING DETAIL
NO SCALE



REFRIGERANT PIPING DIAGRAM
NO SCALE

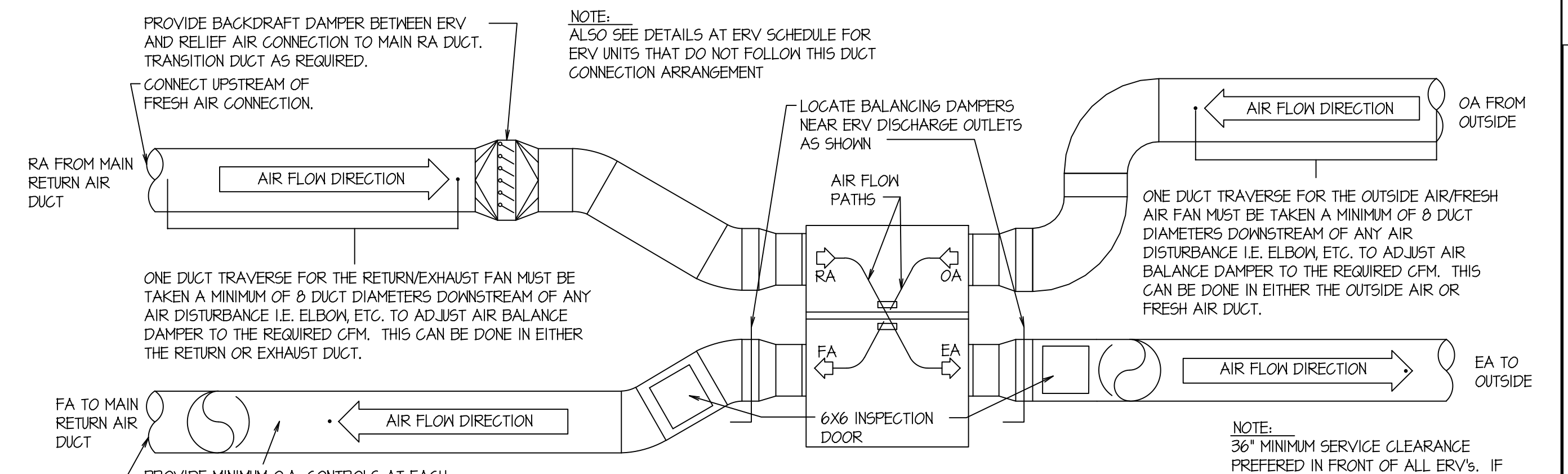


DRYER VENT DETAIL
NO SCALE

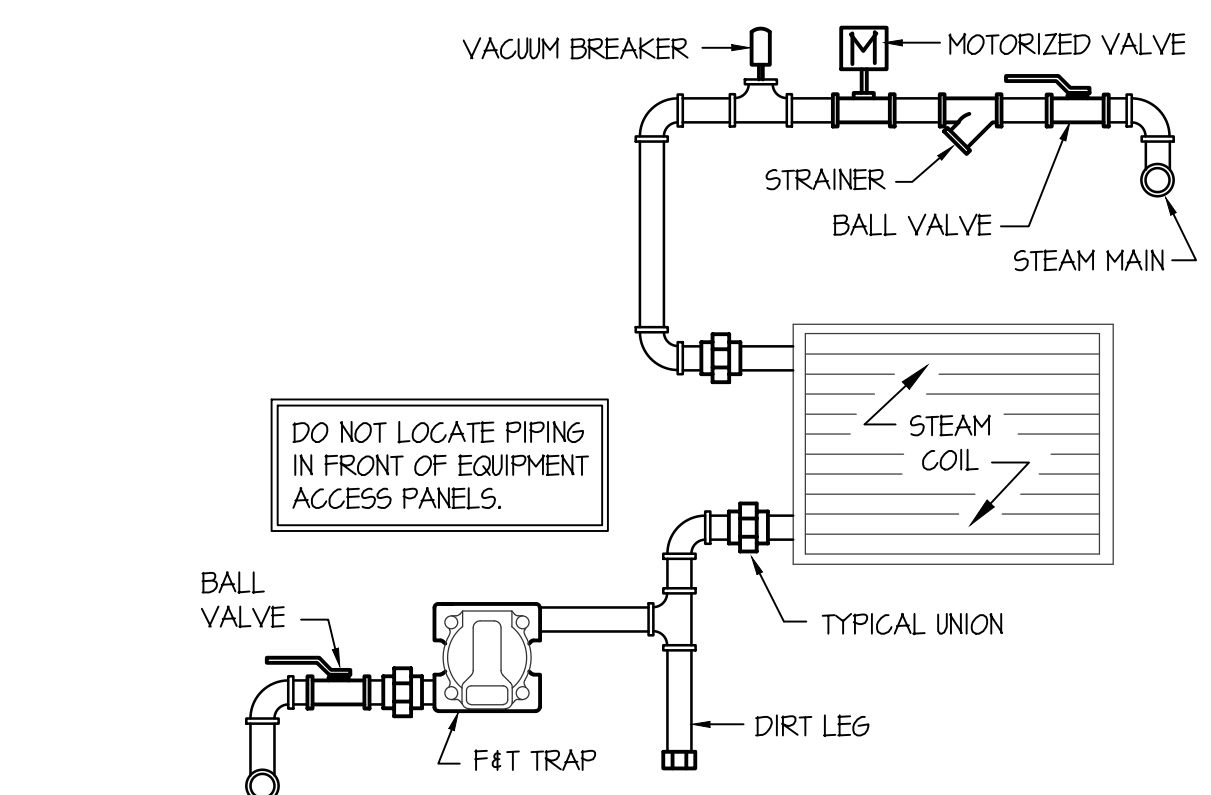


PLAN VIEW

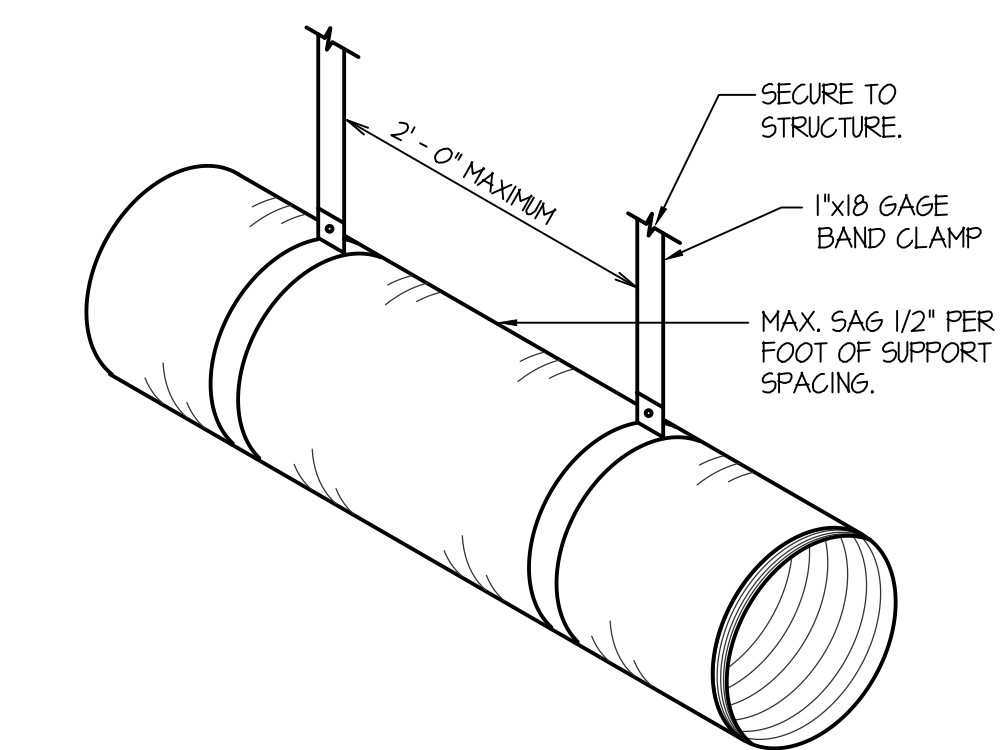
NOTE:
1- NO PROJECTIONS SUCH AS SCREWS OF SHEET METAL CORNERS IN DUCTWORK OR AT ELBOWS ARE ALLOWED.
2- MAXIMUM DUCT LENGTH IS 25'-0" INCLUDING 5'-0" REDUCTION FOR EACH 90° ELBOW.



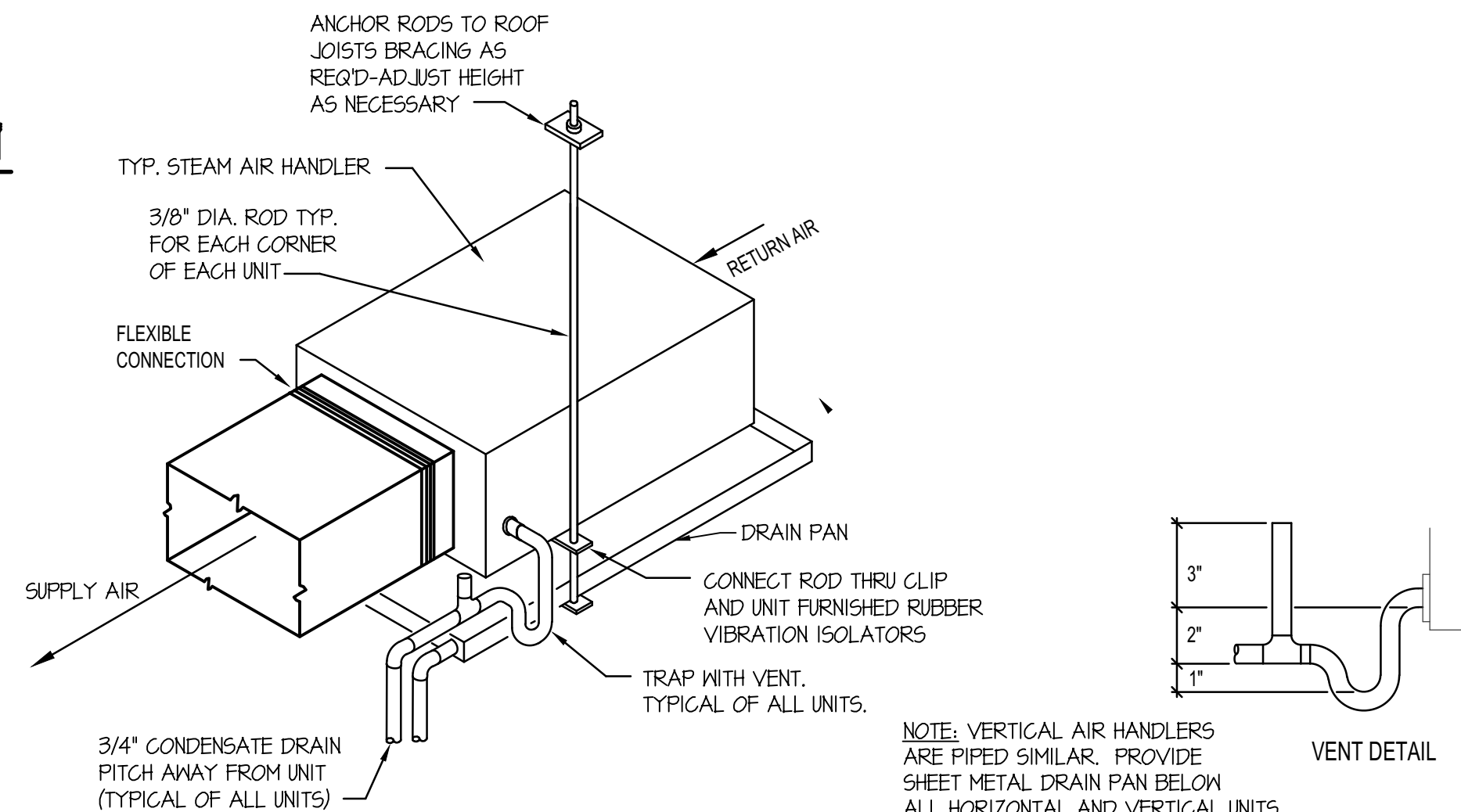
TYPICAL ERV DAMPERING DETAIL
NO SCALE



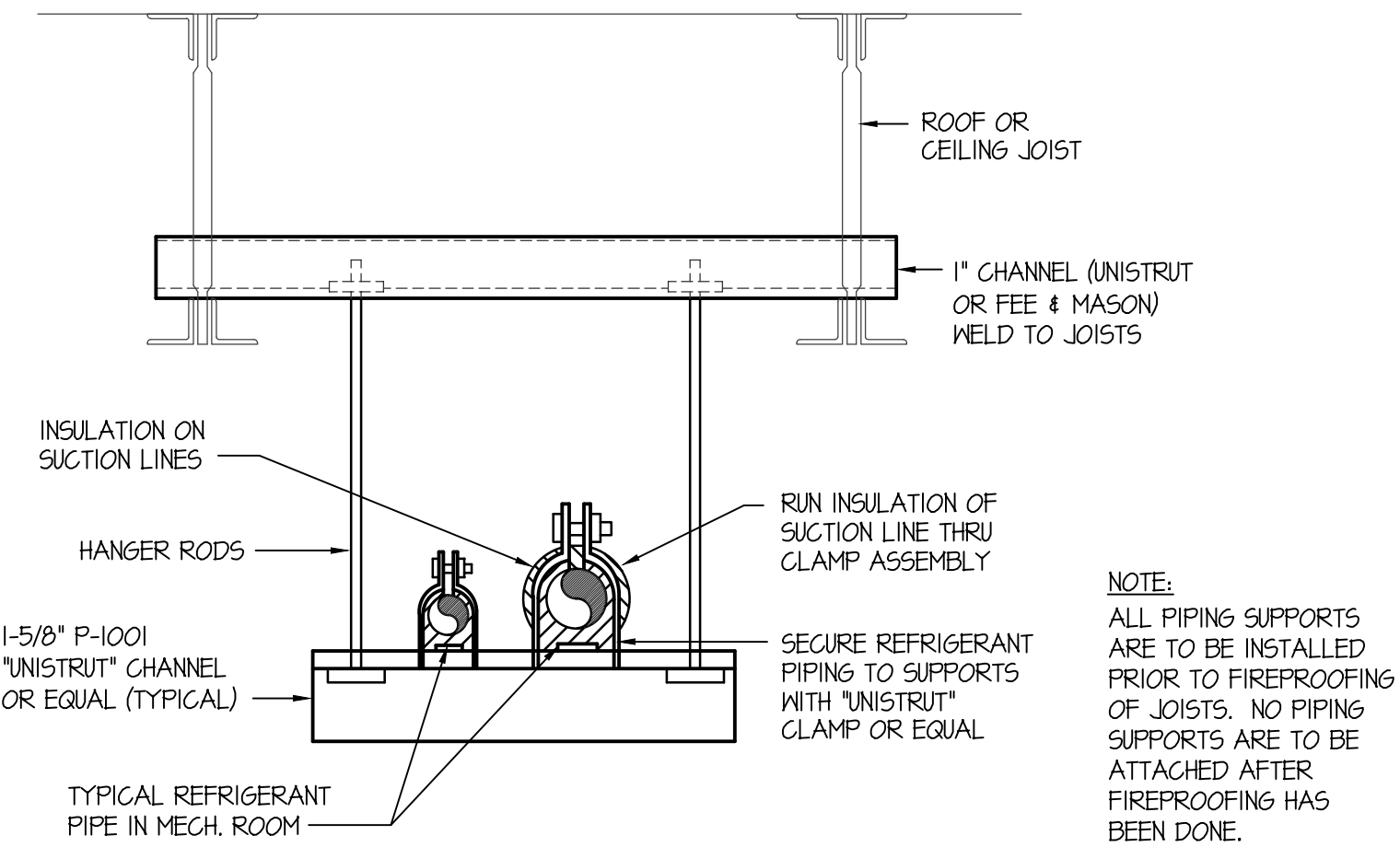
STEAM COIL PIPING DIAGRAM
NO SCALE



FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE



STEAM AIR HANDLER DRAIN AND SUPPORT DETAIL
NO SCALE



PIPE SUPPORT DETAIL
NO SCALE

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(EC)	EQUIPMENT SYMBOL
(HD)	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(IFD)	INSULATED FLEXIBLE DUCT
(RA/EA)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER

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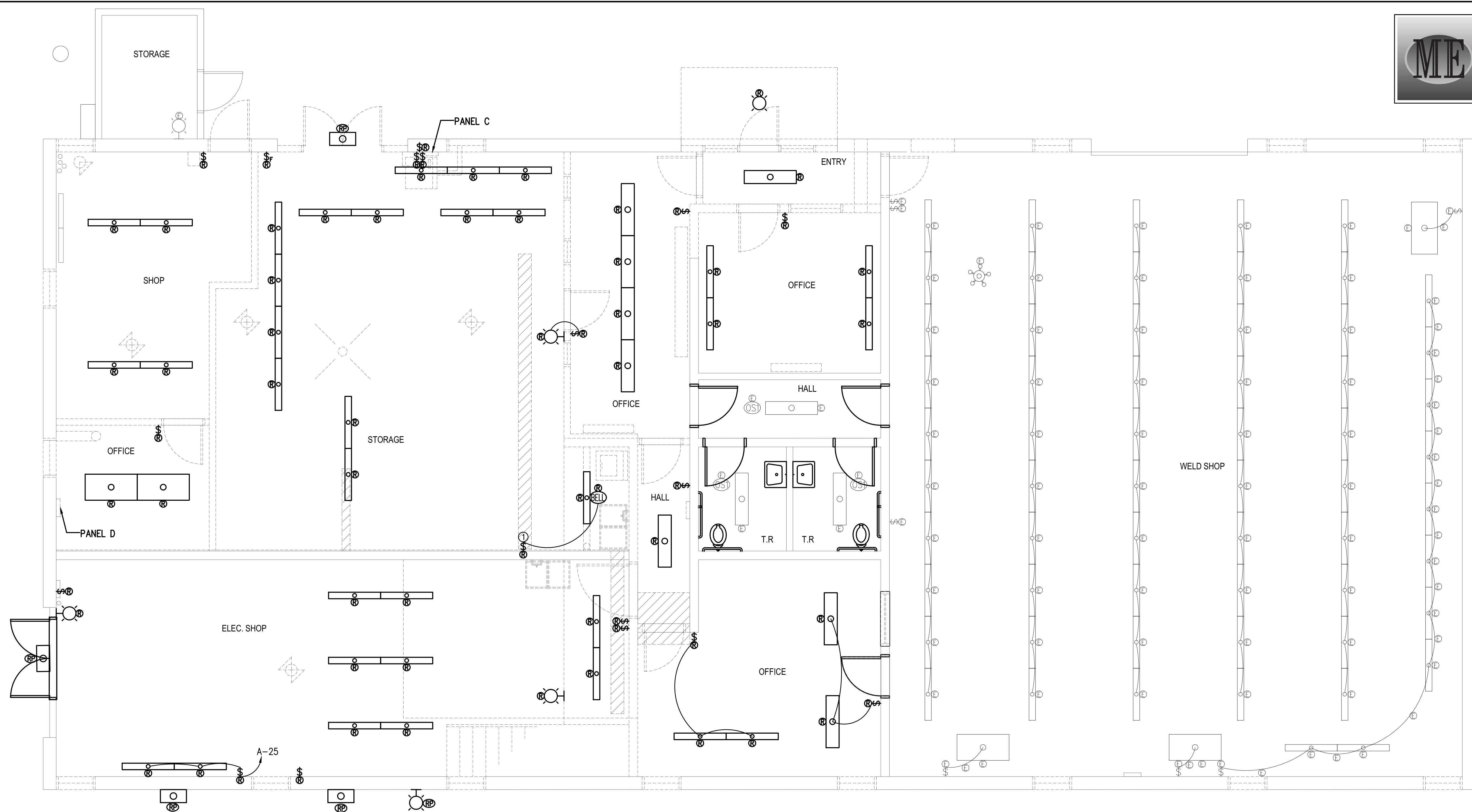
PROFESSIONAL ENGINEER REGISTERED
Dwayne C. Sudweeks
STATE OF IDAHO
JAN 20, 2022

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1/28/2022 3:52:47 PM F:\19\19085 ISU Bldg. 24 DFW 20 232\19085 ISU CUSTODIAL.dwg

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 234 S. Whipperwood Way
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 208.384.0585
 645 West 25th Street
 Idaho Falls, ID 83402
 208.523.2862
 www.musgrovepa.com
 PROJECT NO. 819-145

PROFESSIONAL ENGINEER
 REGISTERED
 13299
 01/28/2020
 STATE OF IDAHO
 HEW N. BRADLEY



DEMOLITION SYMBOL NOTES:

1. (⊕) INDICATES EXISTING DEVICE TO REMAIN.
2. (Ⓜ) INDICATES DEVICE TO BE RELOCATED.
3. (Ⓡ) INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
4. (Ⓢ) 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. REMOVE SWITCH AND BELL.

GENERAL ELECTRICAL DEMOLITION NOTES:

1. 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.
2. 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.
3. ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK WITH RELATED TRADES.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULES FOR ALL PANELS.
5. ELECTRICAL CONTRACTOR TO DISPOSE OF ALL REMOVED ELECTRICAL DEVICES AND ALL RELATED ELECTRICAL PARTS BACK TO SOURCE UNLESS NOTED OTHERWISE.
6. ELECTRICAL CONTRACTOR HAS THE OPTION TO REUSE EXISTING RACEWAY OR PROVIDE NEW.
7. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO ANY WORK.
8. REFER TO ANY SPECIFICATIONS PROVIDED FOR MATERIALS AND INSTALLATION INSTRUCTIONS.

MAIN LEVEL LIGHTING DEMOLITION PLAN

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



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

MAIN LEVEL LIGHTING DEMOLITION PLAN

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: MAIN LEVEL LIGHTING DEMOLITION PLAN


REVISIONS

NO.	DESCRIPTION

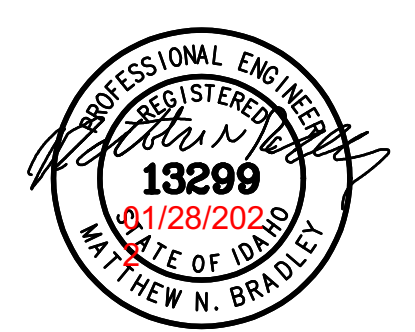
PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB
 DRAWING NO.:

DE1.1

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PROJECT NO. B19-145



PROFESSIONAL ENGINEER
REGISTERED
13299
01/28/2020
STATE OF IDAHO
MATTHEW N. BRADLEY

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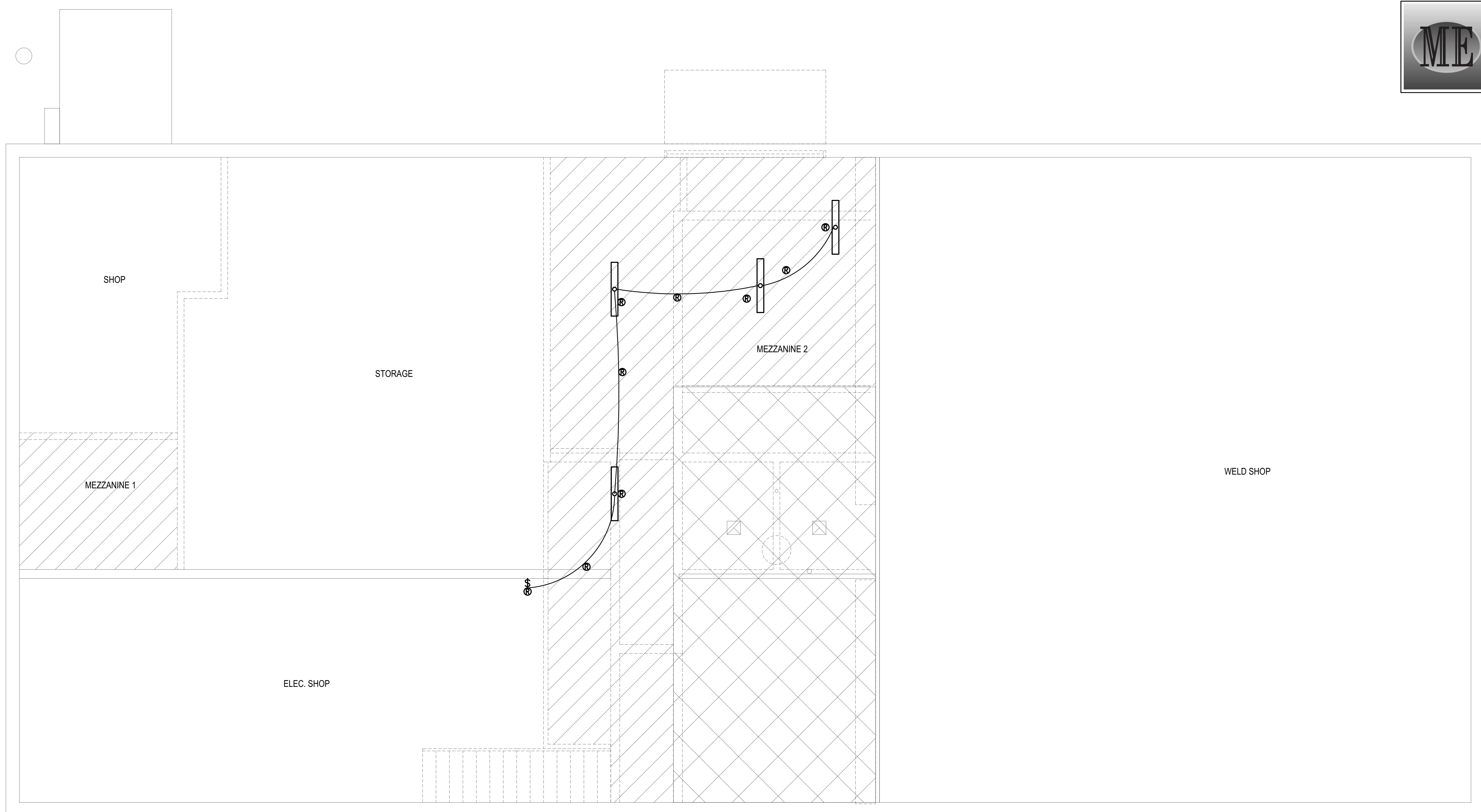
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
IDAHO STATE UNIVERSITY
POCATELLO, IDAHO

PROJECT: ISU CUSTODIAL OFFICE REMODEL
SHEET TITLE: MEZZANINE LEVEL LIGHTING DEMOLITION PLAN

REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: CCJ
CHECKED BY: MNB
DRAWING NO:

DE1.2

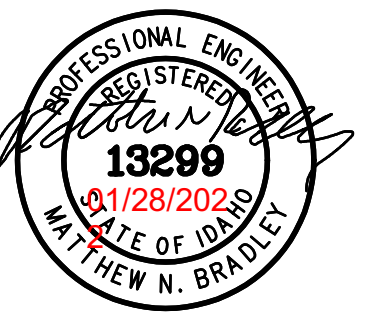


- DEMOLITION SYMBOL NOTES:**
- ⊖ INDICATES EXISTING DEVICE TO REMAIN.
 - Ⓝ INDICATES DEVICE TO BE RELOCATED.
 - Ⓢ INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
 - ⊖ INDICATES ITEMS TO BE REMOVED.
- REMOVE DEVICE AND ALL CONDUCTORS 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"

This is not a building permit
Plan Approval #BLD2201-0009
Date: 03/11/22
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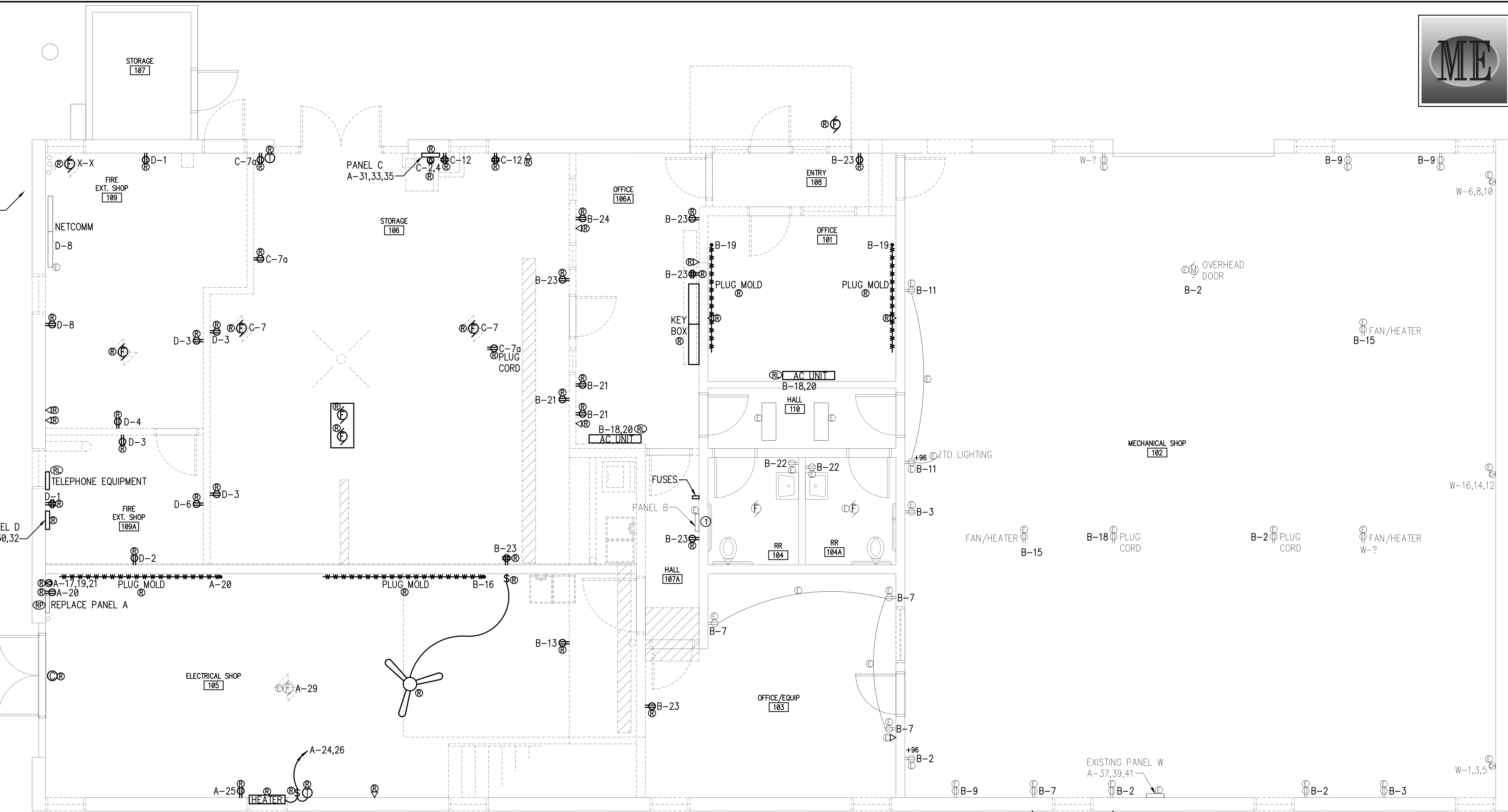
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
IDAHO STATE UNIVERSITY
POCATELLO, IDAHO

PROJECT:
SHEET TITLE

REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: CCJ
CHECKED BY: MNB
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:

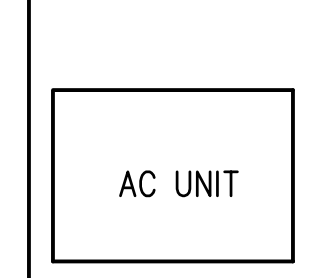
- ① EXISTING PANEL B TO BE REMOVED. VERIFY ALL CIRCUITS PRIOR TO WORK. CONDUIT AND WIRING TO EXISTING DEVICES IN WELD SHOP CONNECTED TO EXISTING PANEL B ARE TO REMAIN FOR REUSE. SEE MAIN LEVEL POWER INSTALLATION PLAN

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.
- 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.
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- 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.

MAIN LEVEL POWER DEMOLITION PLAN

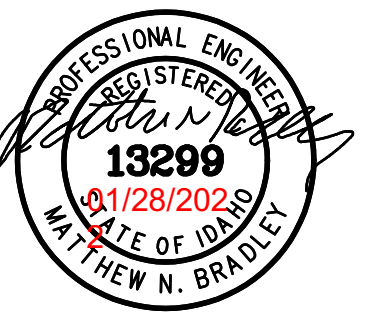
SCALE: 1/4" = 1'-0"



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Plan Approval #BLD2201-0009
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PROJECT NO. B19-145



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

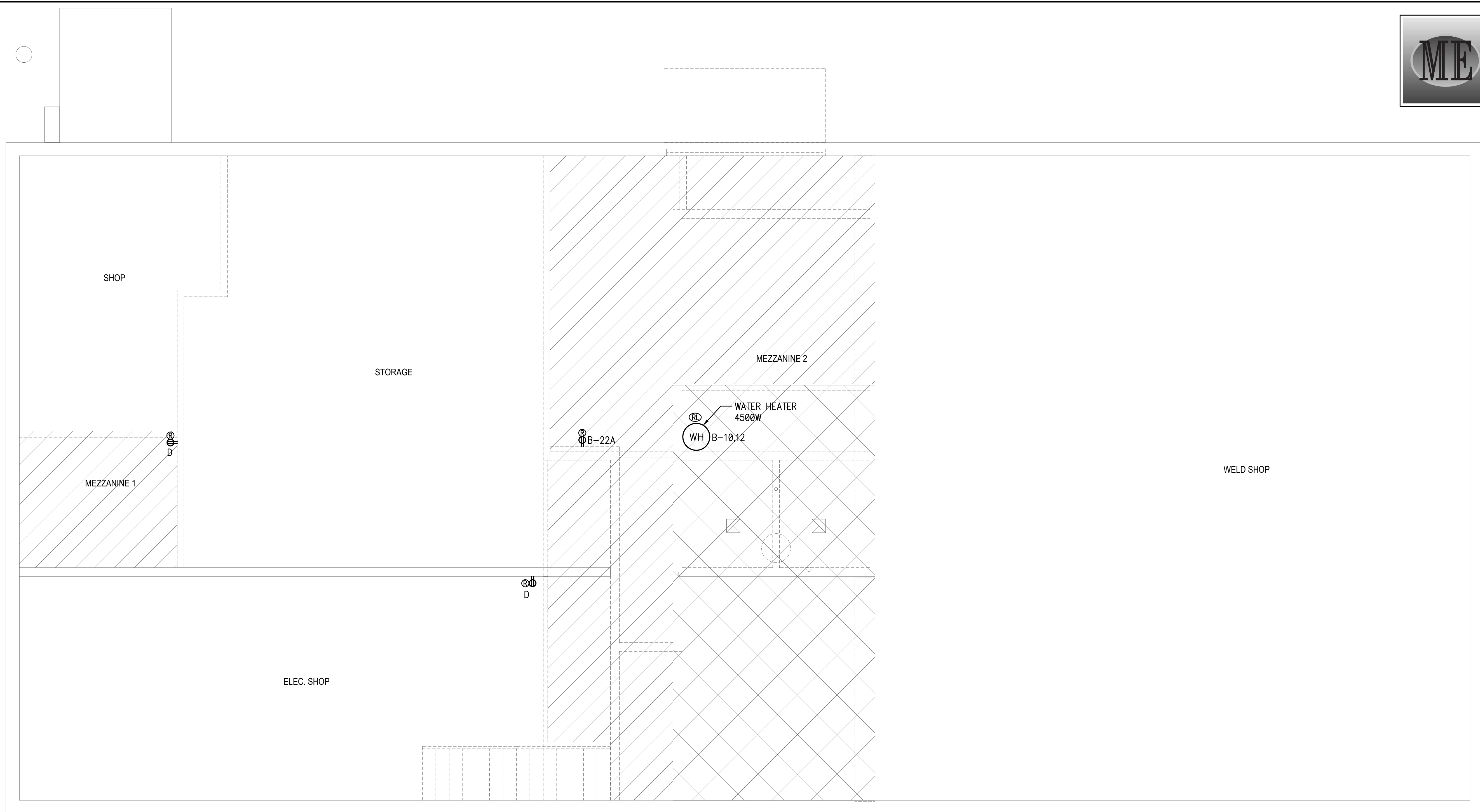
PROJECT:
SHEET TITLE

REVISIONS

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: CCJ
CHECKED BY: MNB

DRAWING NO.:

DE2.2



DEMOLITION SYMBOL NOTES:

1. (⊙) INDICATES EXISTING DEVICE TO REMAIN.
2. (Ⓡ) INDICATES DEVICE TO BE RELOCATED.
3. (Ⓢ) INDICATES FIXTURE DEVICE TO BE REPLACED IN PLACE. CIRCUITING AND CONDUIT TO REMAIN INTACT. PROTECT DURING CONSTRUCTION.
4. (Ⓣ) 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:

1. 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.
2. 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.
3. ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK WITH RELATED TRADES.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULES FOR ALL PANELS.
5. ELECTRICAL CONTRACTOR TO DISPOSE OF ALL REMOVED ELECTRICAL DEVICES AND ALL RELATED ELECTRICAL PARTS BACK TO SOURCE UNLESS NOTED OTHERWISE.
6. ELECTRICAL CONTRACTOR HAS THE OPTION TO REUSE EXISTING RACEWAY OR PROVIDE NEW.
7. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITING PRIOR TO ANY WORK.
8. REFER TO ANY SPECIFICATIONS PROVIDED FOR MATERIALS AND INSTALLATION INSTRUCTIONS.

MEZZANINE LEVEL POWER DEMOLITION PLAN

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



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 PROJECT NO. B19-145

PROFESSIONAL ENGINEER
 REGISTERED
 13299
 01/28/2020
 STATE OF IDAHO
 MATHIEU N. BRADLEY

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- DRAWING KEY NOTES:**
- 1 INSTALL NEW FIXTURE. AT NEW LOCATION.
 - 2 EXTEND EXTERIOR LIGHTING CIRCUIT TO NEW FIXTURE.
 - 3 INSTALL NEW FIXTURE AT EXISTING LOCATION.
 - 4 INSTALL PHOTOCELL 1 FT BELOW EAVE. INSTALL UNSWITCHED HOT CONDUCTOR TO POWER BATTERY PACK.
 - 5 CONNECT LIGHT UNSWITCHED FOR CONTINUOUS OPERATION.

LIGHT CIRCUIT LEGEND	
---	0-10 DIMMING
---	LINE VOLTAGE LIGHTING CONDUCTORS AND
---	0-10V (GREY,PURPLE) DIMMING CONDUCTORS

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

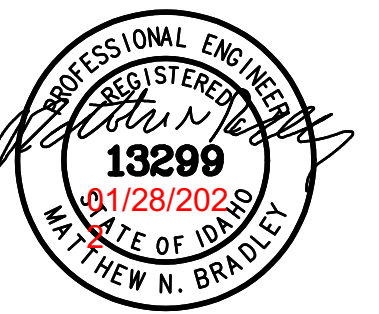
DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MAIN LEVEL LIGHTING INSTALLATION PLAN

PROJECT: 19032
 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB
 DRAWING NO:

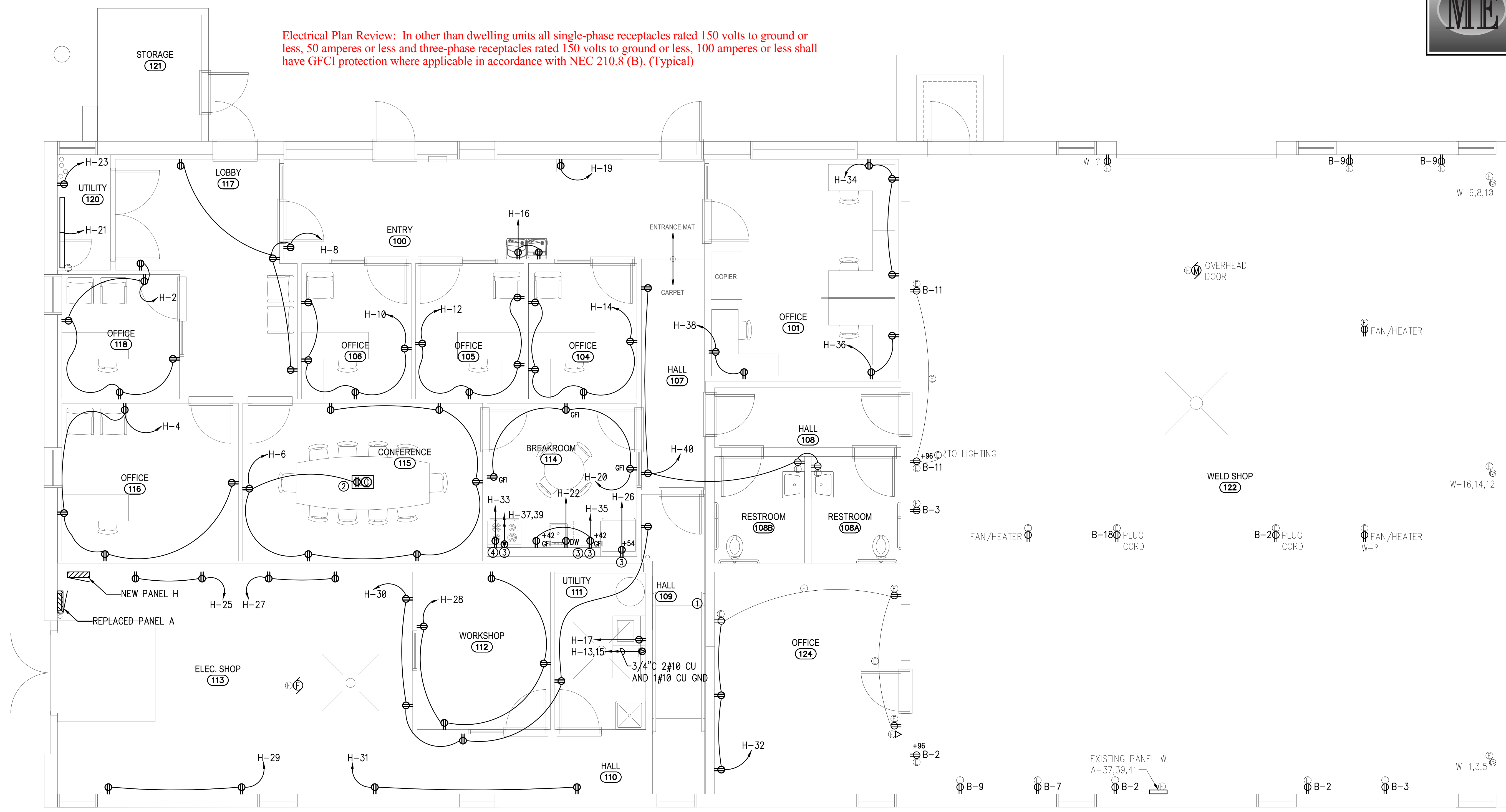
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 Plan Approval #BLD2201-0009
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E1.1

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 PROJECT NO. B19-145

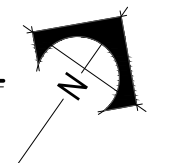


Electrical Plan Review: In other than dwelling units all single-phase receptacles rated 150 volts to ground or less, 50 amperes or less and three-phase receptacles rated 150 volts to ground or less, 100 amperes or less shall have GFCI protection where applicable in accordance with NEC 210.8 (B). (Typical)



- DRAWING KEY NOTES:**
- 1 PROVIDE JUNCTION BOX IN CEILING FOR RECONNECTION OF EXISTING WELD SHOP CIRCUITS TO NEW PANEL. SEE DEMO DRAWINGS
 - 2 COORDINATE SAW CUTTING OF CONCRETE TO INSTALL FLOOR BOX AND CONDUIT. SEE DETAIL ON DRAWING E4.1.
 - 3 GFCI RECEPTACLE INSTALLED IN PANEL SEE DRAWING E5.1.
 - 4 VERIFY RECEPTACLE HEIGHT AND LOCATION WITH MICROWAVE SUBMITTAL PRIOR TO INSTALLATION

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



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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCAATELLO, IDAHO
 MAIN LEVEL POWER INSTALLATION PLAN

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: MAIN LEVEL POWER INSTALLATION PLAN

NO.	REVISIONS

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB
 DRAWING NO.:

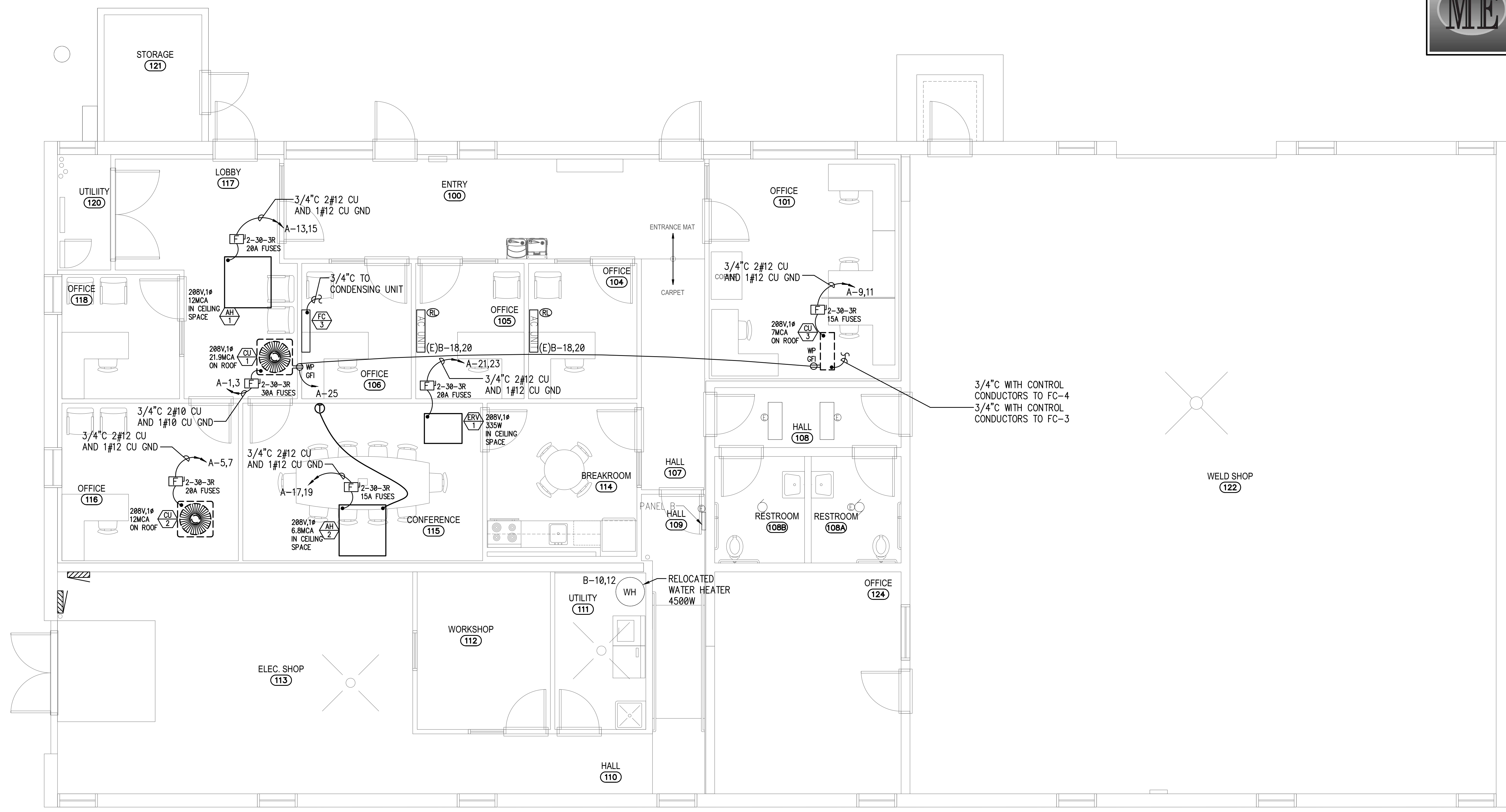
This is not a building permit
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E2.1

MUSGROVE ENGINEERING, P.A.
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 www.musgrovepa.com
 PROJECT NO. 819-145



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

DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN

REVISIONS

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB
 DRAWING NO.:

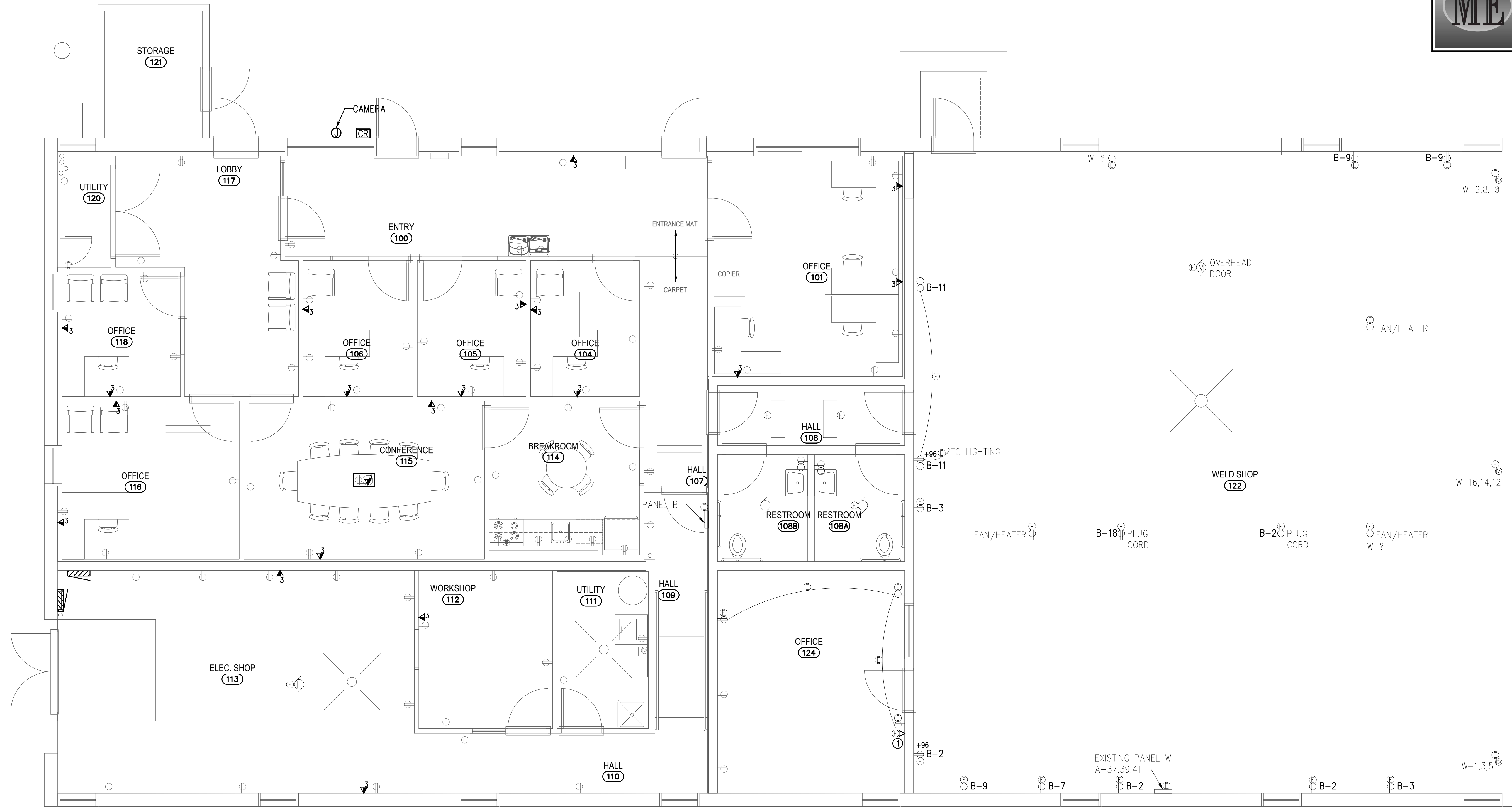
This is not a building permit
 Plan Approval #BLD2201-0009
 Date: 03/11/22
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E3.1

MUSGROVE ENGINEERING, P.A.
 234 S. Whitewater Way
 Boise, ID 83709
 208.384.0585
 645 West 25th Street
 Idaho Falls, ID 83402
 208.522.2862
 www.musgrovepa.com
 PROJECT NO. B19-145

PROFESSIONAL ENGINEER
 REGISTERED
 HEATHER N. BRADLEY
 13299
 01/28/2020
 STATE OF IDAHO

nbwarchitects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
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DRAWING KEY NOTES:
 ① PROVIDE CAT5E CABLE FROM RELOCATED COPPER HEAD END TO EXISTING DATA OUTLET.

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

DPW PROJECT NO. 20-292
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 MAIN LEVEL SPECIAL SYSTEMS INSTALLATION PLAN

PROJECT: SHEET TITLE

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.: 19032
 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB

DRAWING NO.:

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 Plan Approval #BLD2201-0009
 Date: 03/11/22
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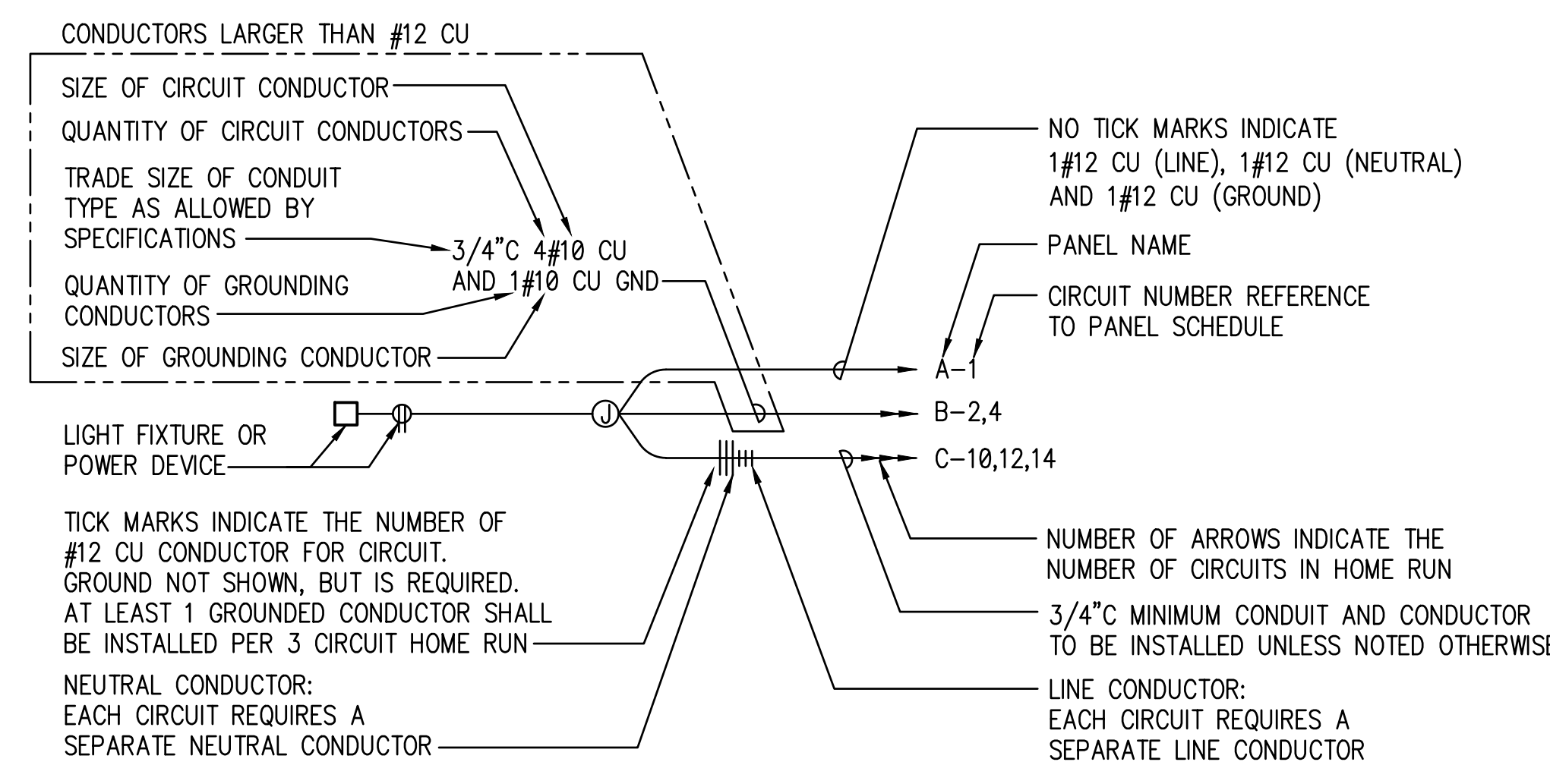
E4.1

LIGHTING LEGEND

Table with 2 columns: Symbol and Description. Includes categories like 'LIGHT FIXTURE TYPE AND ZONING DESCRIPTION', 'LIGHT FIXTURE MOUNTING', and 'SWITCH'. Symbols include letters in boxes, circles, and various fixture shapes.

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

CIRCUITING LEGEND



POWER LEGEND

Table with 2 columns: Symbol and Description. Includes items like 'MANUAL MOTOR STARTER SWITCH', 'TIMECLOCK', 'CONTACTOR', 'DISCONNECT SWITCH', 'THERMOSTAT', 'MOTOR', 'CLOCK', 'JUNCTION BOX', 'RECESSED AUDIO SPEAKER', 'ELECTRICAL PANEL', 'GFI', 'DOUBLE DUPLEX RECEPTACLE', 'DATA/COMM/POWER FLOOR BOX', 'RECESSED ENTERTAINMENT BOX', 'CARD READER BOX', 'TELEVISION DUPLEX RECEPTACLE', 'SPECIAL PURPOSE RECEPTACLE', 'ELECTRICAL METER', 'CURRENT TRANSFORMER CABINET', 'UNIT HEATER', 'FAN FORCED WALL HEATER', 'WATER HEATER', 'ELECTRIC BASEBOARD HEATER', 'MECHANICAL EQUIPMENT CALLOUT'.

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

ONE-LINE LEGEND

Table with 2 columns: Symbol and Description. Includes items like 'NON-FUSED SWITCH (OPEN)', 'NON-FUSED SWITCH (CLOSED)', 'FUSED SWITCH (OPEN)', 'FUSED SWITCH (CLOSED)', 'START BUTTON', 'STOP BUTTON', 'CIRCUIT BREAKER', 'OVER LOAD HEATER', 'NORMALLY OPEN SWITCH', 'NORMALLY CLOSED SWITCH', 'TRANSFORMER', 'FUSE', 'HAND/OFF/AUTO SWITCH', 'CURRENT TRANSFORMER', 'GROUND (EARTH GROUND)', 'MOTOR', 'ELECTRICAL PANEL', 'PACKAGED EQUIPMENT', 'COMBINATION STARTER WITH CONTROL PANEL', 'POWER TRANSFORMER'.

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

DATA/COMMUNICATIONS LEGEND

Table with 2 columns: Symbol and Description. Includes items like 'DATA JACK, +18" UNLESS NOTED OTHERWISE', 'DATA/COMM QUANTITY OF STRUCTURED CABLES', 'COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE', 'ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE', 'SURFACE RACEWAY', 'DATA/COMM/POWER FLOOR BOX', '19" 4 POST NETWORK RACK', '19" 2 POST NETWORK RACK', 'WALL MOUNTED NETWORK RACK'.

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

MUSGROVE ENGINEERING, P.A. 234 S. Whippoorwill Way Boise, ID 83709 208.384.0585 645 West 25th Street Idaho Falls, ID 83402 208.522.2062 www.musgrovepa.com PROJECT NO. 819-145

PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO No. 13299 DATE OF EXPIRATION 01/28/2025 W. HEW N. BRADLEY

ABBREVIATIONS

Table of electrical abbreviations including AMPERE(S), ALUMINUM, AMPERE INTERRUPTING CAPACITY, AMERICAN WIRE GAUGE, BARE COPPER, CONDUIT, CIRCUIT BREAKER, CURRENT TRANSFORMER, COPPER, DISCONNECT, DRAWING, ELECTRICAL METALLIC TUBING, FREQUENCY IN CYCLES PER SECOND, FUSE, FUSIBLE SWITCH, GENERATOR, GROUND FAULT INTERRUPTER, GROUND, HORSEPOWER, HIGH PRESSURE SODIUM, INTERMEDIATE METALLIC CONDUIT, INCANDESCENT, KILOVOLT, KILOWATT VOLT AMPS, KILOWATT(S), THOUSAND CIRCULAR MIL(S), MINIMUM CIRCUIT AMPS, MOTOR CONTROL CENTER, MAIN LUG ONLY, NORMALLY CLOSED, NORMALLY OPEN, NATIONAL ELECTRIC CODE, NOT IN CONTRACT, NOT TO SCALE, PANEL, POLYVINYL CHLORIDE, RIGID GALVANIZED STEEL, SWITCHBOARD, TRANSFORMER, TYPICAL, UNDERGROUND, UNLESS NOTED OTHERWISE, UNINTERRUPTED POWER SYSTEM, VOLT(S), VOLTAMP(S), WATT(S), WEATHER PROOF.

ELECTRICAL DRAWING LIST

Table of electrical drawing list including E0.1 ELECTRICAL TITLE SHEET, DE1.1 MAIN LEVEL LIGHTING DEMOLITION PLAN, DE1.2 MEZZANINE LEVEL LIGHTING DEMOLITION PLAN, DE2.1 MAIN LEVEL POWER DEMOLITION PLAN, DE2.2 MEZZANINE LEVEL POWER DEMOLITION PLAN, SE1.1 ELECTRICAL SITE PLAN, E1.1 MAIN LEVEL LIGHTING INSTALLATION PLAN, E2.1 MAIN LEVEL POWER INSTALLATION PLAN, E3.1 MAIN LEVEL MECHANICAL POWER INSTALLATION PLAN, E4.1 MAIN LEVEL SPECIAL SYSTEMS INSTALLATION PLAN, E5.1 PANEL SCHEDULES AND SINGLE LINE DIAGRAM, E6.1 ELECTRICAL DETAILS, E7.1 LIGHTING DETAILS.

Electrical Plan Review: The stamped documentation has been Reviewed for Compliance in accordance with the 2017 NEC as adopted by the State of Idaho by an Electrical Plan Review. This shall not be construed as an approval of any violation of, or variance from Idaho adopted codes, laws, standards, or rules. Final approval will be based upon on-site electrical inspections to field verify compliance. Additional Electrical Plan Review Notes can be found on additional Electrical Drawing Sheets.

This is not a building permit. Plan Approval #BLD2301-0008 Date: 03/11/22. These documents have been reviewed for code compliance by the Division of Occupational and Professional Licenses. This review shall not be construed to be an approval of any violation of, or variance from Idaho's adopted codes, standards, rules, or laws applicable to this project. Corrections will be required for any code violations found during the inspection process.

nbwarchitects p.a. ARCHITECTURE / PLANNING / INTERIORS 900 JOHN BOHNS PARKWAY / P. O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212 (P) 208.522.8779 (F) 208.522.8785 (W) nbwarchitects.com

ISU CUSTODIAL OFFICE REMODEL IDAHO STATE UNIVERSITY POCA TELLO, IDAHO

DPW PROJECT NO. 20-232

PROJECT:

Table for REVISIONS with columns for number, description, and date.

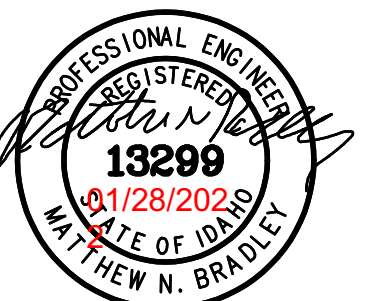
REVISIONS: 19032 DATE: JANUARY 2022 DRAWN BY: CCJ CHECKED BY: MNB

DRAWING NO.:

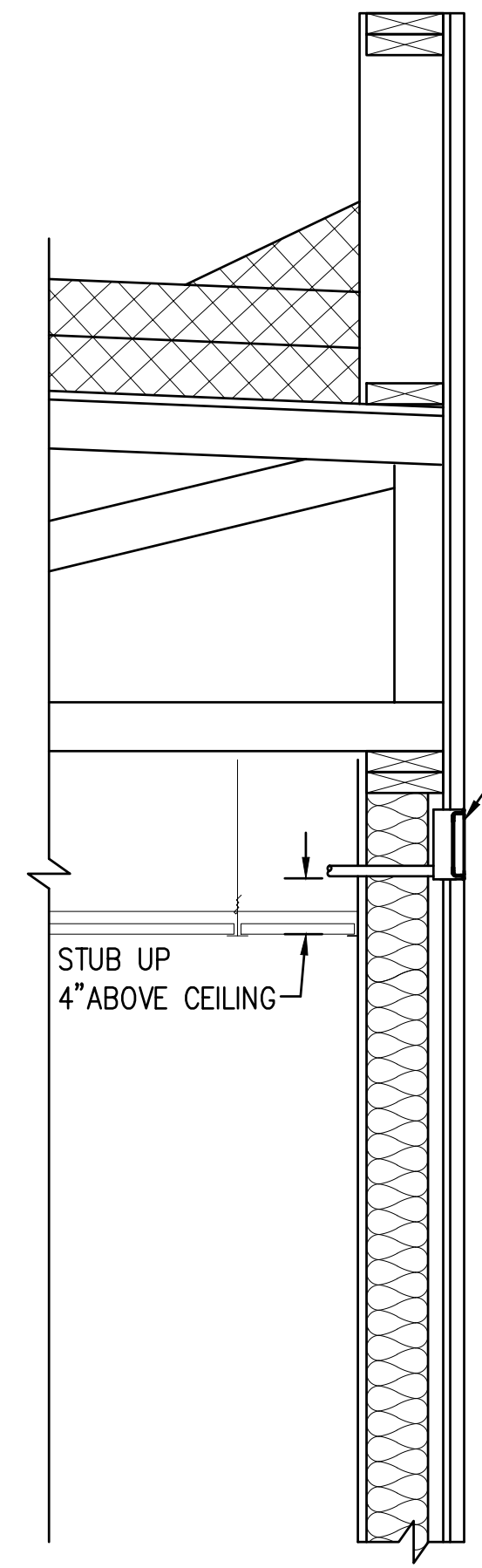
E0.1

ELECTRICAL TITLE SHEET

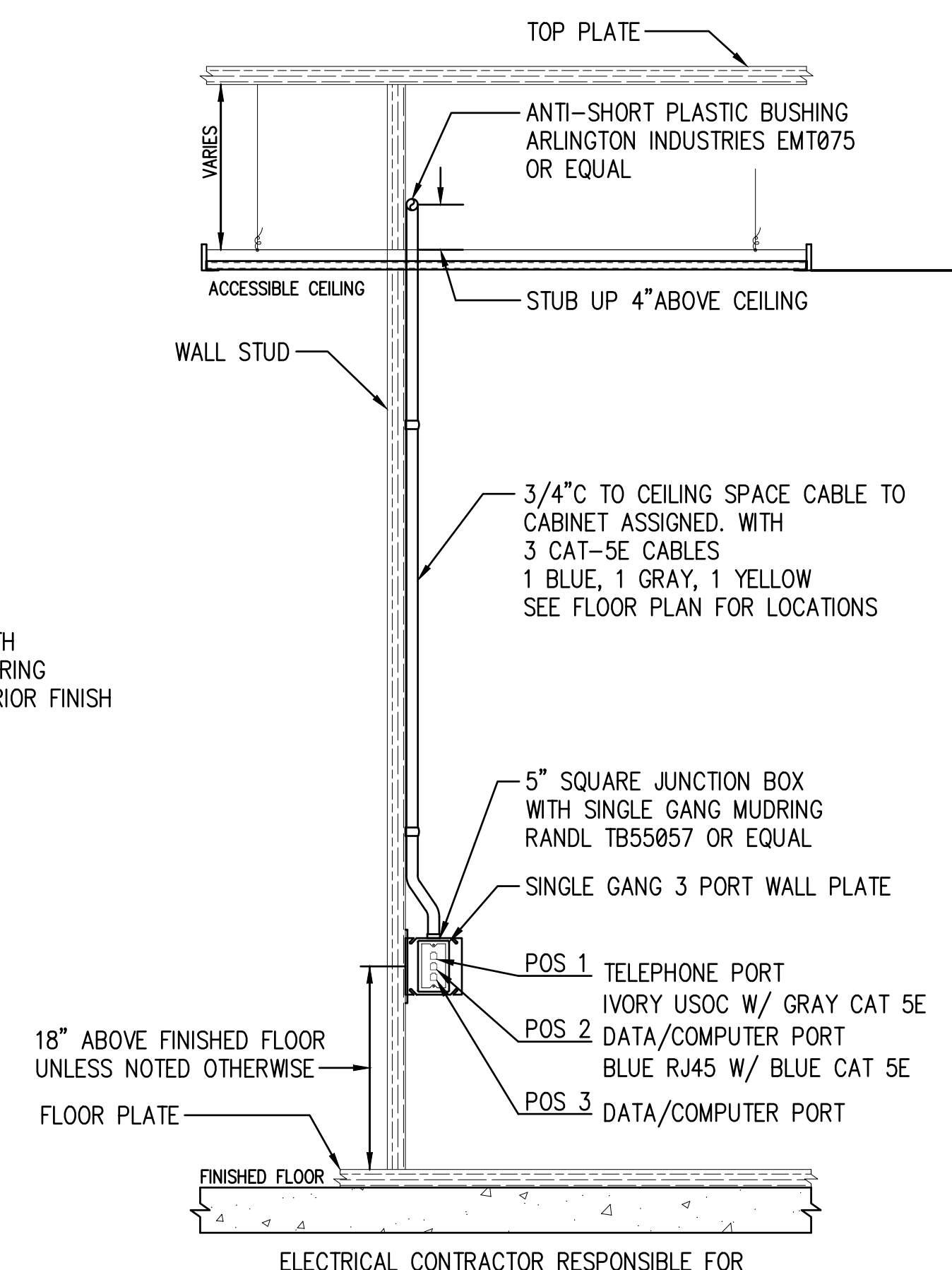
MUSGROVE ENGINEERING, P.A.
 234 S. Whippoorwill Way
 Boise, ID 83709
 208.384.0585
 645 West 25th Street
 Idaho Falls, ID 83402
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 PROJECT NO. B19-145



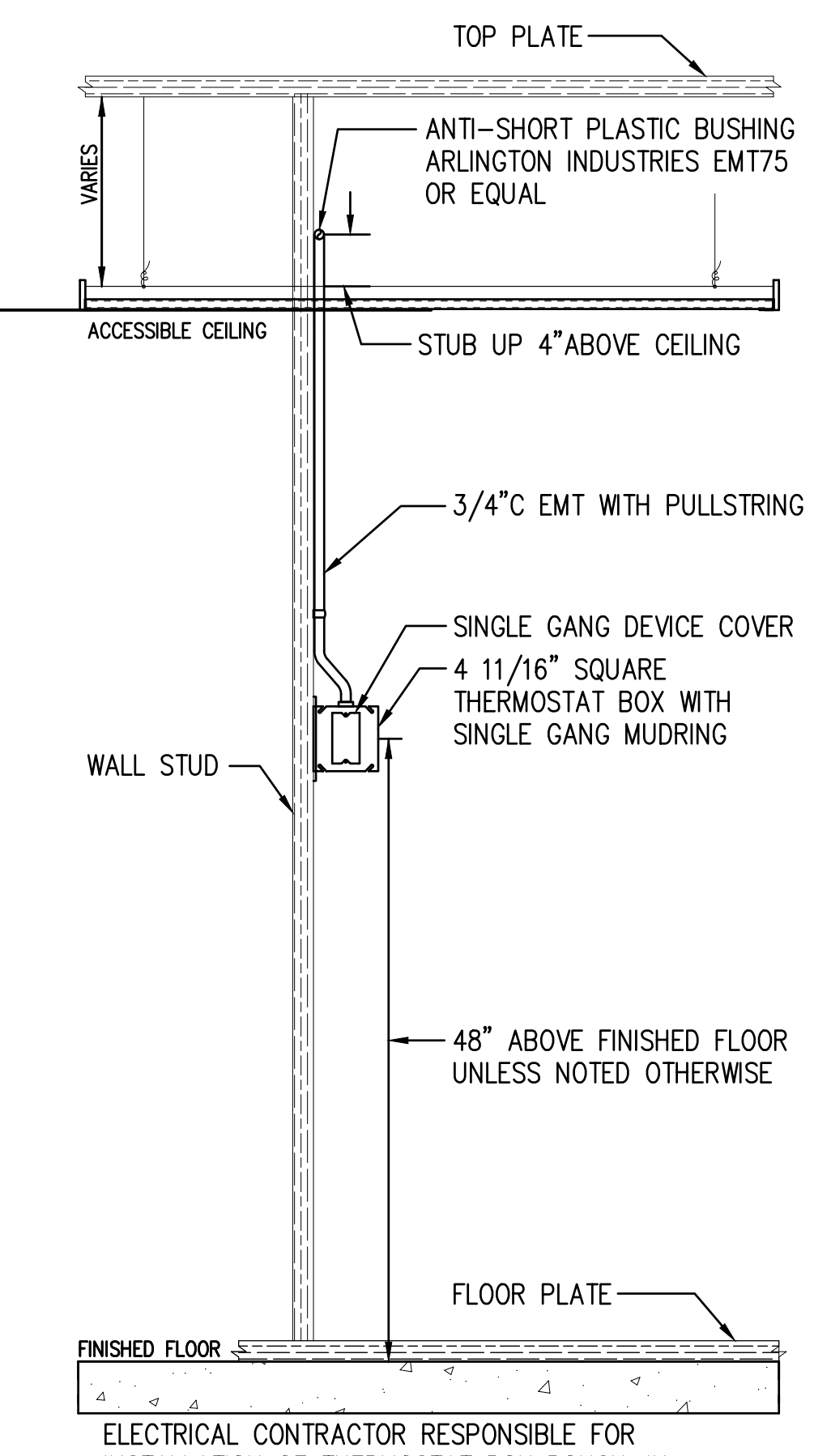
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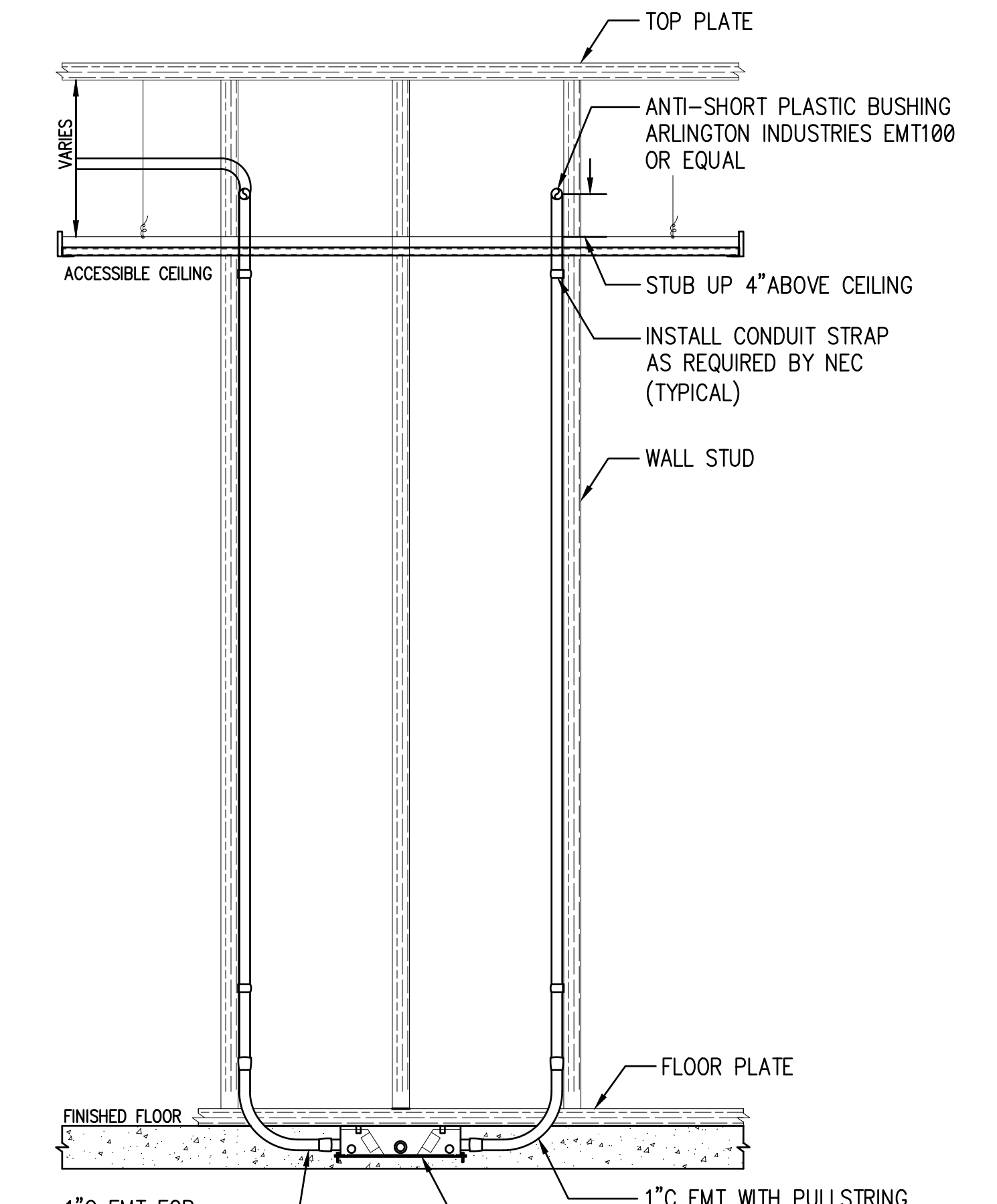
SECURITY CAMERA ROUGH-IN ELEVATION
 SCALE: 1" = 1'-0"



DATA INSTALLATION ELEVATION
 SCALE: 1" = 1'-0"
 TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY



THERMOSTAT ROUGH-IN ELEVATION
 SCALE: 1" = 1'-0"



POWER/DATA FLOOR BOX CONCRETE ROUGH-IN ELEVATION
 SCALE: 1" = 1'-0"
 TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

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

ELECTRICAL DETAILS

PROJECT: ISU CUSTODIAL OFFICE REMODEL
 SHEET TITLE: ELECTRICAL DETAILS

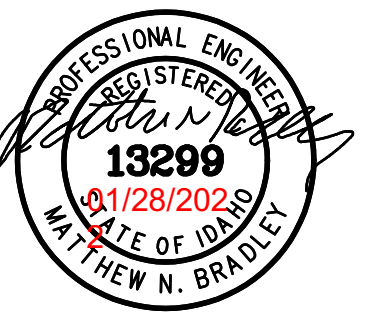
NO.	DATE	DESCRIPTION

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 DATE: JANUARY 2022
 DRAWN BY: CCJ
 CHECKED BY: MNB

DRAWING NO.:

E6.1

This is not a building permit.
 Plan Approval #BLD2201-0009
 Date: 03/11/22
 These documents have been reviewed for code compliance by the Division of Occupational and Professional Licenses. This review shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, rules, or laws applicable to this project. Corrections will be required for any code violations found during the inspection process.



COMcheck Software Version 4.1.5.3 Interior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: ISU CUSTODIAL OFFICE REMODEL
Project Type: Alteration
Construction Site: 652 EAST DUNN STREET, POCATELLO, ID 83201
Owner/Agent: IDAHO STATE UNIVERSITY, POCATELLO, ID 83201
Designer/Contractor: ANDREW YANOSHEK, BRADLEY ENGINEERING CHTD, 645 WEST 25TH STREET, IDAHO FALLS, ID 83402, 208-523-2862, BEC@BRADLEYENGINEERING.COM

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Office	2829	0.82	2320
Total Allowed Watts =			2320

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Office (2829 sq ft.)				
LED 1: A & AE: LED Panel 33W.	1	4	32	128
LED 2: B & BE: LED Panel 41W.	1	18	42	756
LED 3: C & CE: LED Panel 54W.	1	4	52	208
LED 4: D & DE: LED Other Fixture Unit 103W	1	3	104	312
LED 5: E: EXIT SIGN: LED Other Fixture Unit 6.5W.	1	4	2	8
LED 6: F & FE: LED Other Fixture Unit 50W.	1	8	52	416
Total Proposed Watts =				1829

Interior Lighting PASSES

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MATTHEW BRADLEY, P.E. Signature Date: 12-20-2021

COMcheck Software Version 4.1.5.3 Exterior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: ISU CUSTODIAL OFFICE REMODEL
Project Type: Alteration
Exterior Lighting Zone: 2 (Residential mixed use area (LZ2))
Construction Site: 652 EAST DUNN STREET, POCATELLO, ID 83201
Owner/Agent: IDAHO STATE UNIVERSITY, POCATELLO, ID 83201
Designer/Contractor: ANDREW YANOSHEK, BRADLEY ENGINEERING CHTD, 645 WEST 25TH STREET, IDAHO FALLS, ID 83402, 208-523-2862, BEC@BRADLEYENGINEERING.COM

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Main entry	3 ft of door	20	Yes	60
Other door (not main entry)	9 ft of door	20	Yes	180
Total Tradable Watts (a) =				240
Total Allowed Watts =				240
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (3 ft of door width): Tradable Wattage				
LED 1: X1: LED Other Fixture Unit 6.5W.	1	1	6	6
Other door (not main entry) (9 ft of door width): Tradable Wattage				
LED 2: X1: LED Other Fixture Unit 6.5W.	1	1	6	6
LED 3: X2: LED Other Fixture Unit 36V.	1	1	39	39
Total Tradable Proposed Watts =				56

Exterior Lighting PASSES

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MATTHEW BRADLEY, P.E. Signature Date: 12-20-2021

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER		FIKT WATTS	LAMP TYPE	MOUNTING	REMARKS
	NAME	CAT. NO.				
A	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	32	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
				4000K		SET TO 4000 LUMENS, WHITE FINISH
AE	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	32	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
		PS1055CP FMC EMI		4000K		SET TO 4000 LUMENS, WHITE FINISH EMERGENCY POWER BATTERY PACK
B	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	42	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
				4000K		SET TO 5000 LUMENS, WHITE FINISH
BE	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	42	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
		PS1055CP FMC EMI		4000K		SET TO 5000 LUMENS, WHITE FINISH EMERGENCY POWER BATTERY PACK
C	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	52	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
				4000K		SET TO 6000 LUMENS, WHITE FINISH
CE	LITHONIA	CPANL 2X4 40/50/60LM 40K M2	52	LED	RECESSED	2X4' LED SWITCHABLE LUMEN PANEL
		PS1055CP FMC EMI		4000K		SET TO 6000 LUMENS, WHITE FINISH EMERGENCY POWER BATTERY PACK
D	LITHONIA	TZL1N-L96-14000LM-FST-MVOLT-40K-90CRI-WH-ZACVH	104	LED	SUSPENDED	96" LED STRIPLIGHT, 14,000 LUMENS
				4000K		FROSTED DIFFUSER, AIRCRAFT HANGING CABLE WHITE FINISH
DE	LITHONIA	TZL1N-L96-14000LM-FST-MVOLT-40K-90CRI-E7W-WH-ZACVH	104	LED	SUSPENDED	96" LED STRIPLIGHT, 14,000 LUMENS
				4000K		FROSTED DIFFUSER, AIRCRAFT HANGING CABLE WHITE FINISH, EMERGENCY BATTERY PACK 7W
E	LITHONIA	ECBG LED M6	2.32	LED	SURFACE	INTEGRATED EXIT SIGN/ UNIT COMBO
						GREEN EXIT SIGN INTEGRATED LED LIGHT BAR
F	LITHONIA	ZL1N-L48-7000LM-FST-MVOLT-40K-90CRI-WH-ZACVH	52	LED	SUSPENDED	48" LED STRIPLIGHT, 7,000 LUMENS
				4000K	AND SURFACE	PROVIDE AIRCRAFT HANGING CABLE AS NEEDED WHITE FINISH
FE	LITHONIA	ZL1N-L48-7000LM-FST-MVOLT-40K-90CRI-E7W-WH-ZACVH	52	LED	SUSPENDED	48" LED STRIPLIGHT, 7,000 LUMENS
				4000K	AND SURFACE	PROVIDE AIRCRAFT HANGING CABLE AS NEEDED WHITE FINISH, EMERGENCY BATTERY PACK 7W
X1	LITHONIA	WPX1LED1-40K-MVOLT-DDBXD	11	LED	SURFACE	EXTERIOR LED WALL PACK, 1537 LUMENS
				4000K		1537 LUMENS, 4000K DARK BRONZE
X1E	LITHONIA	WPX1LED1-40K-MVOLT-E4WH-DDBXD	11	LED	SURFACE	EXTERIOR LED WALL PACK, 1537 LUMENS
				4000K		1537 LUMENS, 4000K DARK BRONZE, BATTERY PACK

SWITCH AND OCCUPANCY SENSOR LEGEND

⓪s1	OCCUPANCY SENSOR - WALL MOUNT, SINGLE TECHNOLOGY, LINE VOLTAGE, WHITE. SENSOR SWITCH WSX-VLP-WH
⓪s2	OCCUPANCY SENSOR - WALL MOUNT, DUAL TECHNOLOGY, LINE VOLTAGE, SINGLE POLE WHITE. SENSOR SWITCH WSX-PDT-D-VLP-WH
⓪s3	OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, LINE VOLTAGE, SMALL MOTION, VISIBLE LIGHT PROGRAMMING. SENSOR SWITCH CMR-PDT-9-VLP

LIGHT CIRCUIT LEGEND

---	0-10 DIMMING LINE VOLTAGE LIGHTING CONDUCTORS AND 0-10V (GREY,PURPLE) DIMMING CONDUCTORS
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nbwarchitects p.a.
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DPW PROJECT NO. 20-232
ISU CUSTODIAL OFFICE REMODEL
 IDAHO STATE UNIVERSITY
 POCATELLO, IDAHO
 LIGHTING DETAILS

PROJECT: SHEET TITLE

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.: 19032
DATE: JANUARY 2022
DRAWN BY: CCJ
CHECKED BY: MNB
DRAWING NO.:

This is not a building permit
Plan Approval #BLD2201-0009
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E7.1