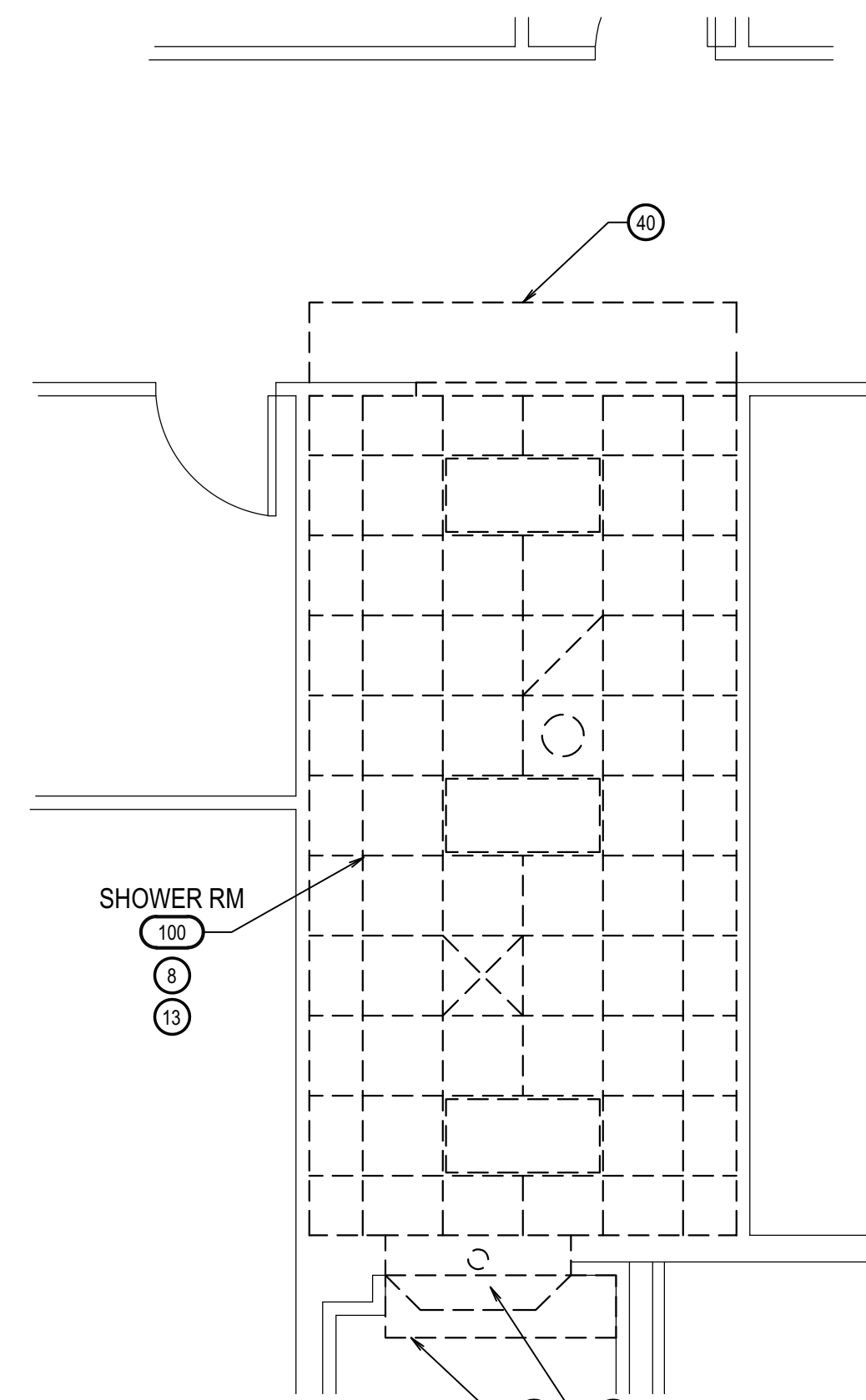


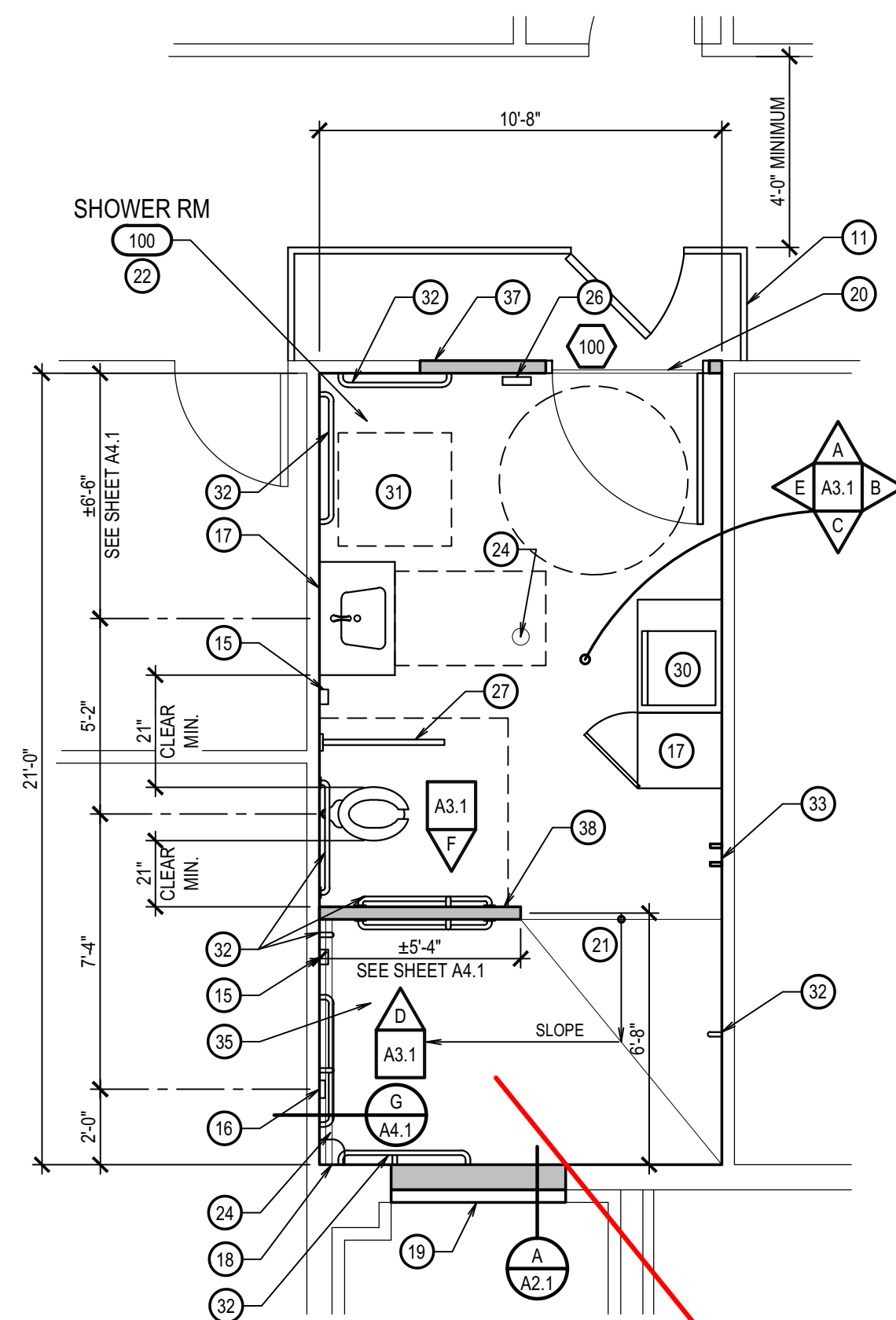
DEMOLITION FLOOR PLAN

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



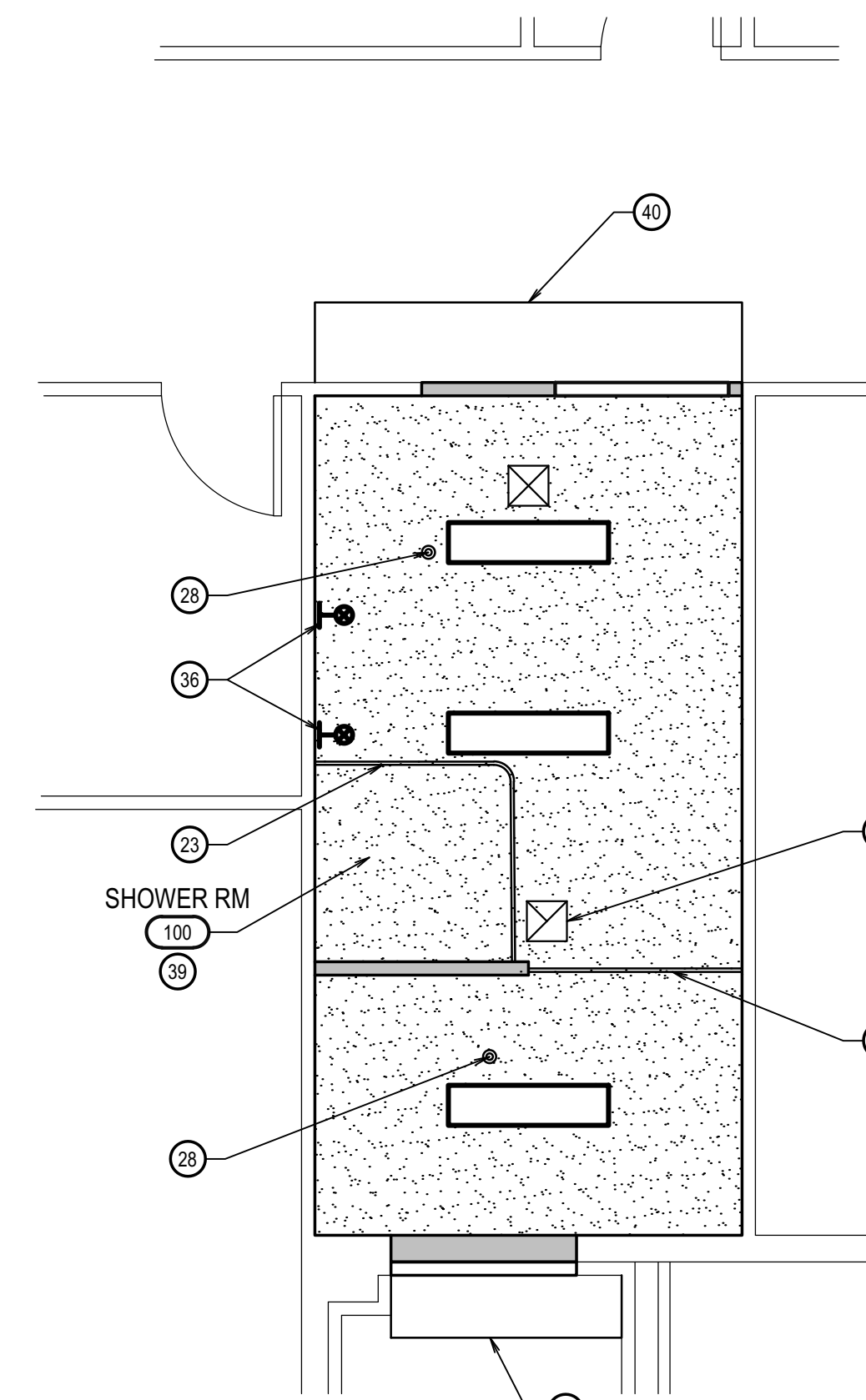
DEMOLITION REFLECTED CEILING PLAN

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



NEW FLOOR PLAN

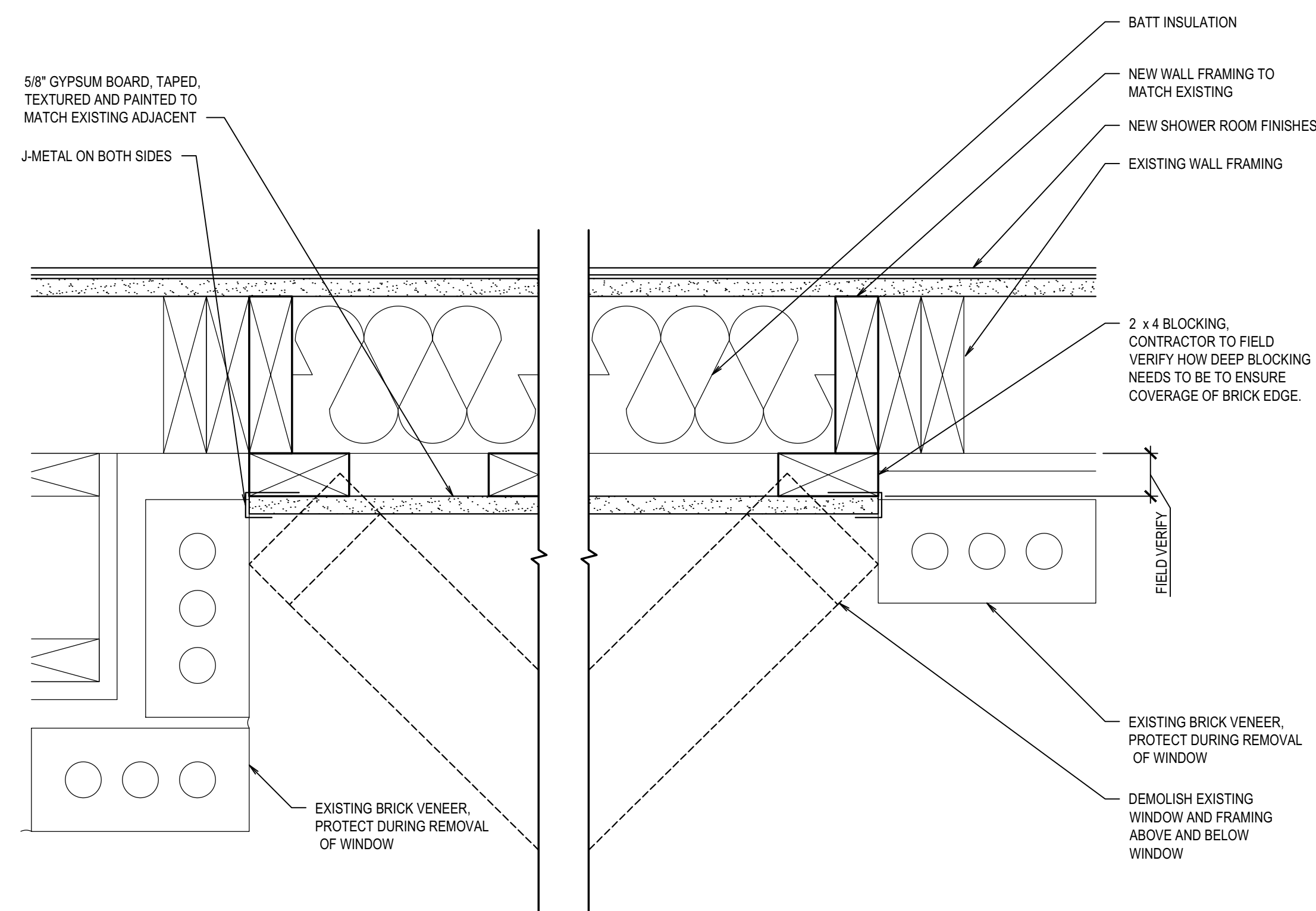
SCALE: 1/4" = 1'-0"



NEW REFLECTED CEILING PLAN

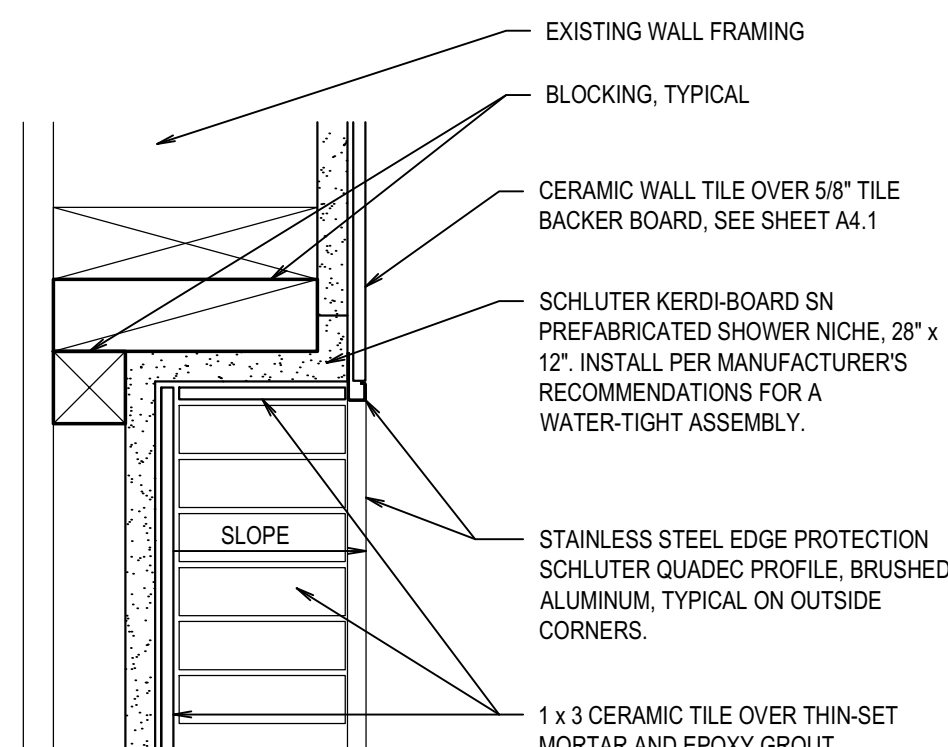
SCALE: 1/4" = 1'-0"

Provide a permanently attached shower seat located in accordance with ICC A117.1-2009



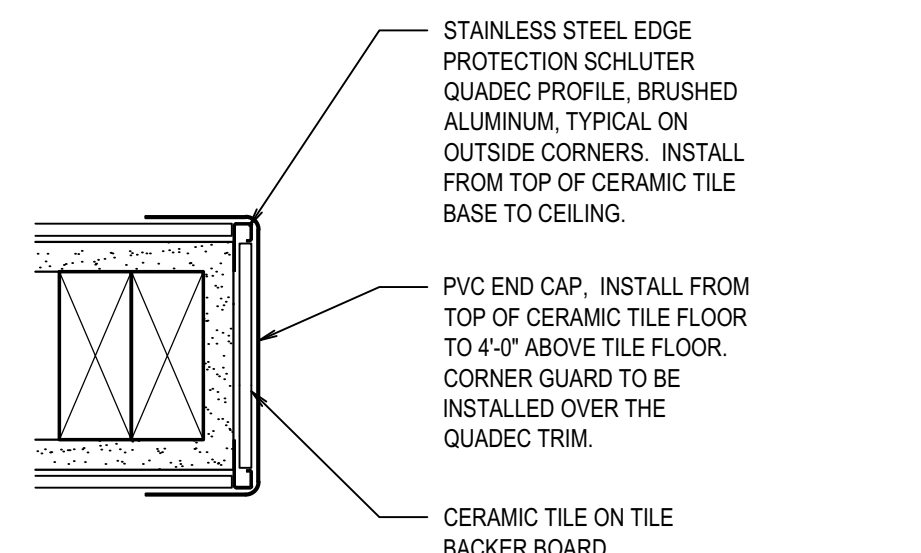
DETAIL

SCALE: 3" = 1'-0"



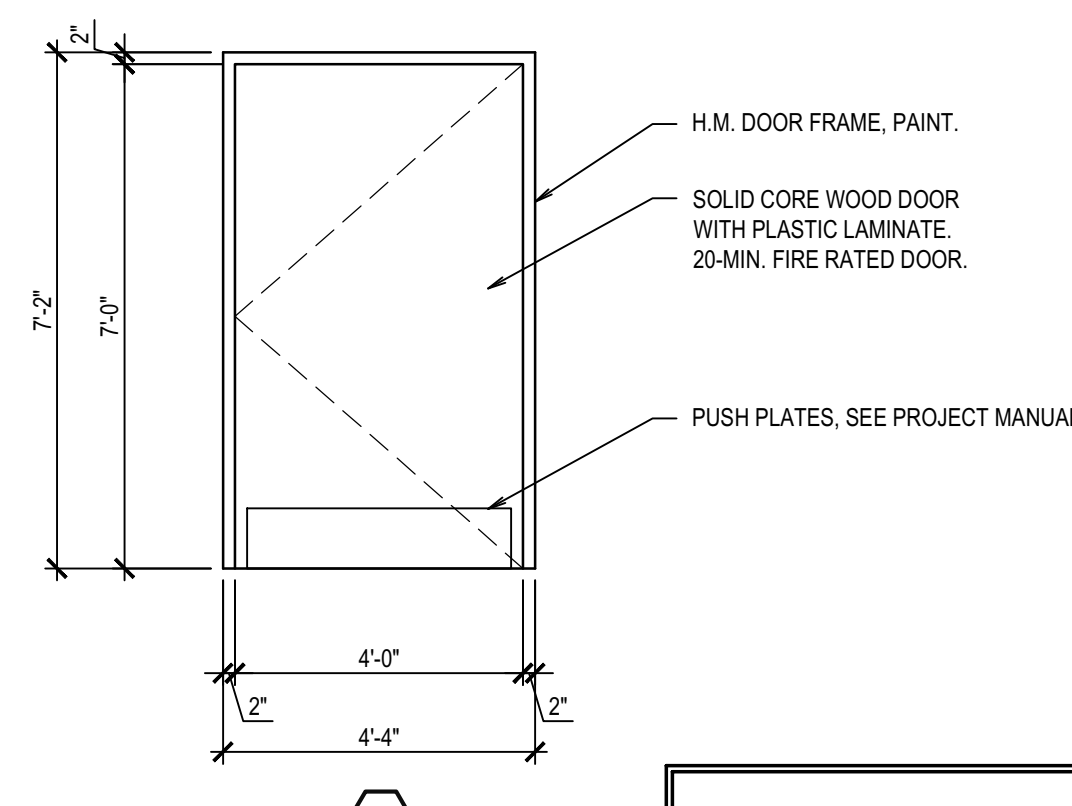
DETAIL

SCALE: 3" = 1'-0"



DETAIL

SCALE: 3" = 1'-0"



DOOR TYPES

SCALE: 3/8" = 1'-0"

NOTE:  
1. PROVIDE NEW 2 x WOOD STUD FRAMING/HEADER AS REQUIRED TO INSTALL NEW DOOR FRAME  
2. INSTALL NEW ADA COMPLIANT LEVER STYLE HARDWARE.

GENERAL NOTES

- 5/8" TILE BACKER BOARD (SCHLUTER-KERDI) BOARD OR APPROVED EQUAL) TO BE INSTALLED FULL HEIGHT ON ALL WALLS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR A WATER-TIGHT ASSEMBLY.

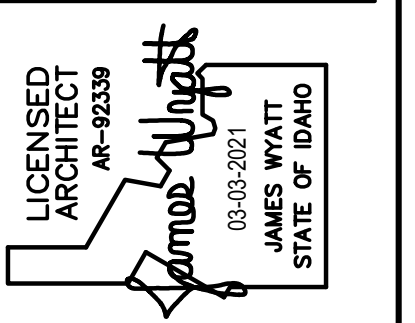
KEYNOTES

- REMOVE VINYL FLOORING, ADHESIVES, BASE ETC. DOWN TO EXISTING CONCRETE FLOOR. PREPARE FOR NEW TILE.
- REMOVE CHAIR RAIL AND GYPSUM BOARD COMPLETE DOWN TO EXISTING STUDS.
- REMOVE WALL TO EXTENT SHOWN AS REQUIRED FOR NEW CONSTRUCTION. PROTECT EXISTING TO REMAIN WALL BUMPERS, CHAIR RAIL, LAMINATE WAINSCOT AND RUBBER BASE. SALVAGE EXISTING RUBBER BASE AND SAVE FOR RE-INSTALLATION ON NEW WALL PORTION.
- REMOVE EXISTING DOOR, DOOR FRAME AND HARDWARE
- REMOVE FAUCET, SINK AND ASSOCIATED PLUMBING.
- REMOVE BASE AND UPPER CASEWORK COMPLETE.
- REMOVE WINDOW, WINDOW SILL AND WALL FRAMING ASSOCIATED WITH THE BAY WINDOW COMPLETE. SALVAGE EXISTING RUBBER BASE AND SAVE FOR RE-INSTALLATION.
- REMOVE EXISTING LIGHT FIXTURES AND GRILLES
- REMOVE EXISTING ELECTRICAL DEVICES. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK.
- REMOVE REFRIGERATOR AND TURN OVER TO AGENCY.
- DUST CONTAINMENT SYSTEM. SEE GENERAL NOTE 2 ON SHEET A1.1.
- REMOVE EXISTING TOWEL AND SOAP DISPENSER AND TURN OVER TO AGENCY.
- REMOVE EXISTING LAY-IN CEILING PANELS AND GRID SYSTEM COMPLETE.
- SAW-CUT EXISTING CONCRETE FLOOR AS REQUIRED TO INSTALL NEW DRAIN SYSTEM. PLACE NEW CONCRETE WHERE EXISTING IS REMOVED. PREPARE CONCRETE TO RECEIVE FLOOR TILE IN SHOWER ROOM AND CARPET IN CORRIDOR.
- INSTALL NURSE CALL BUTTON
- SHOWER CONTROLS
- NEW CASEWORK
- CORNER SHELVES
- INFILL OPENING WITH WOOD STUDS TO MATCH ADJACENT WALL CONSTRUCTION. INSTALL BATT INSULATION, ON VESTIBULE SIDE. INSTALL GYPSUM BOARD ON BLOCKING, TAPE, TEXTURE AND PAINT TO MATCH EXISTING ADJACENT WALLS. SEE DETAIL A/A2.1. RE-USE EXISTING BASE.
- INSTALL "SCHLUTER" TRANSITION STRIP.
- SLOPE FLOOR TO NEW DRAIN, 1/8"/FT MIN.
- FLOOR TILE ON SLAB, SEE SHEET A4.1
- CURTAIN TRACK SYSTEM
- NEW FLOOR DRAIN
- EXISTING CARPET NEEDS TO BE SALVAGED. CUT EXISTING CARPET AND PULL IT BACK. RE-GLUE CARPET BACK DOWN AFTER SAW CUTTING IS COMPLETE.
- INSTALL NEW AUTOMATIC DOOR OPERATOR. VERIFY OPERATOR FUNCTIONS PROPERLY.
- FLIP-UP GRAB BAR
- EXISTING FIRE SPRINKLER HEAD TO REMAIN. ADJUST HEIGHT OF FIRE SPRINKLER HEADS AS REQUIRED FOR NEW CEILING HEIGHT.
- REMOVE EXISTING GYPSUM BOARD CEILING AND LIGHT FIXTURE IN BAY WINDOW
- REACH IN BLANKET WARMER, SUMMIT PTHC65G 4.5 CU FT
- NEW SCALE BY OWNER
- NEW GRAB BAR, SEE SHEET A3.1
- PROVIDE (2) ROBE HOOKS AND INSTALL AS DIRECTED BY THE AGENCY
- PVC END CAP. ADHERE TO NEW TILE WITH SILICON. SEE DETAIL C/A2.1.
- FLOOR TILE INSTALLED OVER WATERPROOF MEMBRANE AND SETTING BED. SLOPE SETTING BED TO DRAIN AS SHOWN. SEE SHEET A4.1.
- WALL MOUNTED LIGHT FIXTURE
- INFILL OPENING WITH WOOD STUDS TO MATCH ADJACENT WALL CONSTRUCTION. INSTALL BATT INSULATION, ON CORRIDOR SIDE. INSTALL GYPSUM BOARD, TAPE, TEXTURE AND PAINT TO MATCH EXISTING ADJACENT WALL. RE-INSTALL SALVAGED CHAIR RAIL, BUMPERS, PLASTIC LAMINATE WAINSCOT AND RUBBER BASE TO MATCH EXISTING ADJACENT WALL. MODIFY WALL BUMPERS AS REQUIRED.
- INSTALL 2 x 4 WOOD STUD WALL WITH 5/8" TILE BACKER BOARD AND CERAMIC TILE. EXTEND WALL TO STRUCTURE ABOVE. PROVIDE BLOCKING IF REQUIRED.
- PARTIALLY REMOVE, PATCH AND REPAIR EXISTING CEILING AS REQUIRED BY NEW CONSTRUCTION. CONTRACTOR TO FIELD VERIFY TYPE OF EXISTING CEILING IN THESE SPACES.
- SEE DETAIL H/A4.1 FOR NEW EXHAUST FAN ROOF CURB

Final State Fire Marshal approval based upon on-site inspection for adherence to the 2018 International Fire Code and referenced standards.



This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.  
SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION



**nbw architects p.a.**  
ARCHITECTURE, PLANNING / INTERIORS  
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900 JOHN RHODES PARKWAY, P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212  
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DPW PROJECT NO. 20-603  
**IDVS: REMODEL STAFF LOUNGE, VET-P**  
IDAHO STATE VETERANS HOME  
1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO  
NEW SHOWER ROOM FLOOR PLAN AND DETAILS

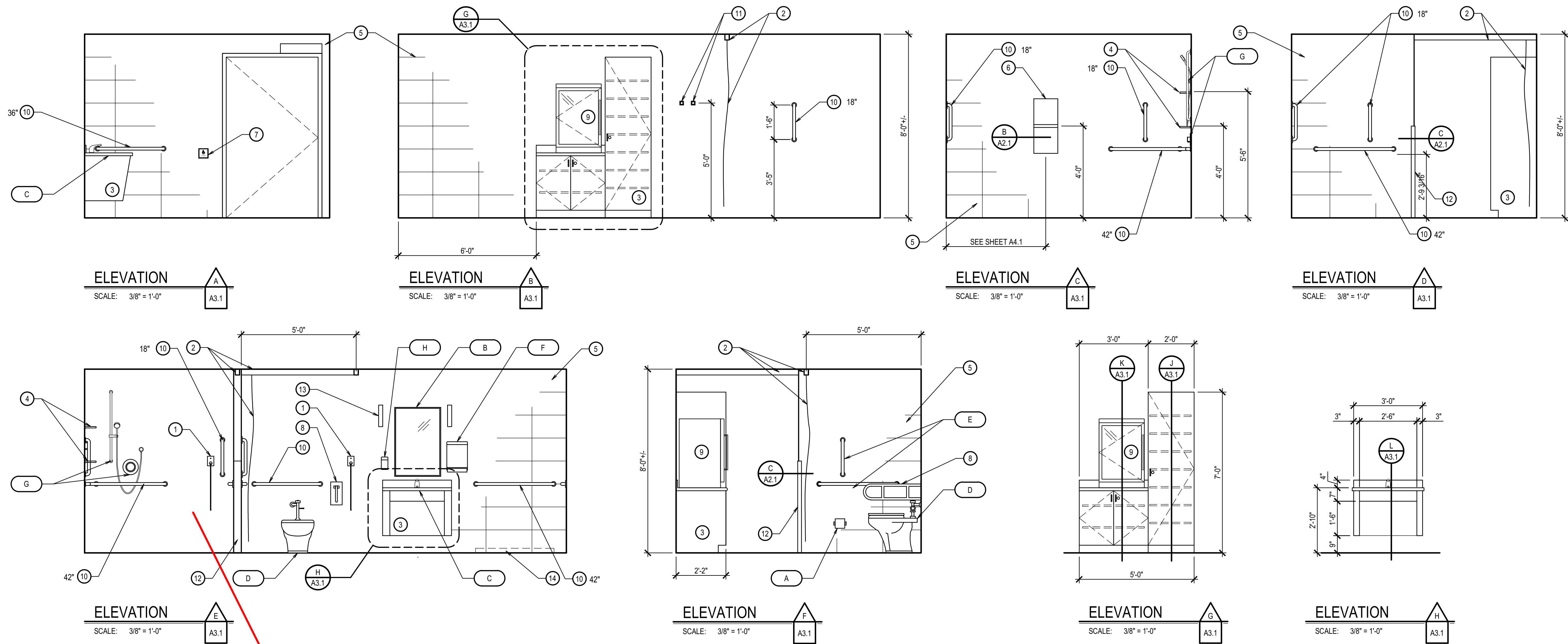
PROJECT: IDVS: REMODEL STAFF LOUNGE, VET-P  
SHEET TITLE: NEW SHOWER ROOM FLOOR PLAN AND DETAILS

REVISIONS

PROJECT NO.: 19027  
DATE: MARCH 2021  
DRAWN BY: KP  
CHECKED BY: JHW  
DRAWING NO.:

**A2.1**





**GENERAL NOTES**

- 5/8" TILE BACKER BOARD (SCHLUTER-KERDI) BOARD OR APPROVED EQUAL TO BE INSTALLED FULL HEIGHT ON ALL WALLS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR A WATER-TIGHT ASSEMBLY.

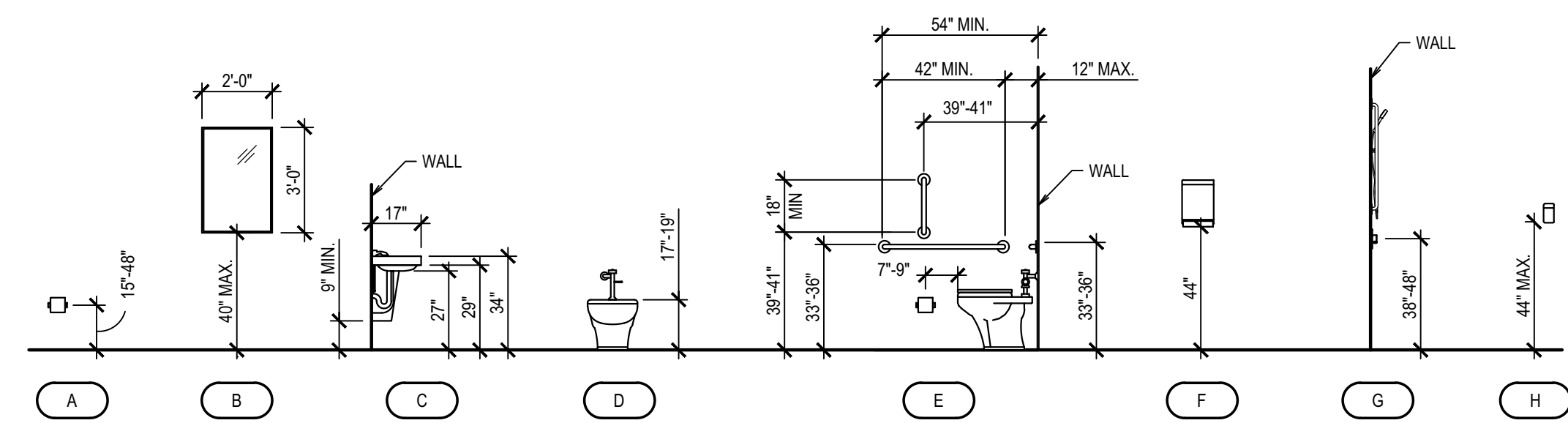
**KEYNOTES**

- INSTALL NURSE CALL BUTTON
- SHOWER / PRIVACY CURTAIN AND CEILING TRACK SYSTEM
- NEW CASEWORK
- CORNER SHELVES. INSTALL AT 4'-0" AND 5'-6" AFF.
- WALL TILE INSTALLED OVER 5/8" TILE BACKER BOARD. SEE SHEET A4.1
- INSTALL SCHLUTER KERDI-BOARD-SN PREFABRICATED SHOWER NICHE. 28" x 12" TILE IN INSET. AMERICAN OLEAN. ELEMENTAL CANVAS COLORBODY. CREAM CANVAS ECO3. 1" x 3". GROUT COLOR: CUSTOM #172 URBAN PUTTY. TILE SHALL BE STACKED PATTERN. TILE JOINTS SHALL LINE UP AT ALL CORNERS.
- INSTALL NEW AUTOMATIC DOOR OPERATOR. VERIFY OPERATOR FUNCTIONS PROPERLY.
- FLIP-UP GRAB BAR
- REACH IN BLANKET WARMER, SUMMIT PTH065G 4.5 CU FT
- GRAB BAR
- PROVIDE (2) ROBE HOOKS AND INSTALL AS DIRECTED BY THE AGENCY
- PVC END CAP. ADHERE TO NEW TILE WITH SILICON. SEE DETAIL C/A2.1.
- WALL MOUNTED LIGHT FIXTURE
- NEW SCALE BY OWNER

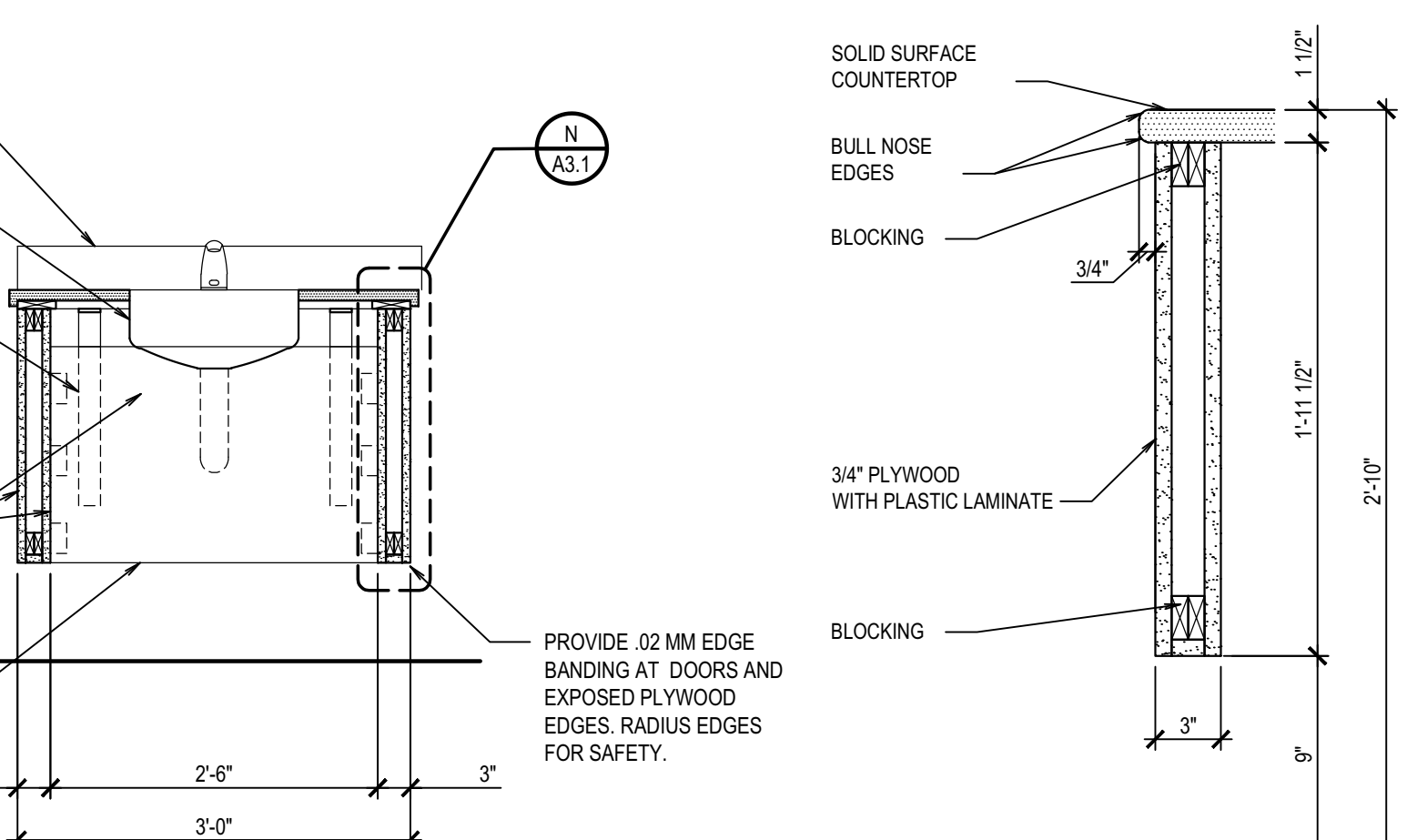
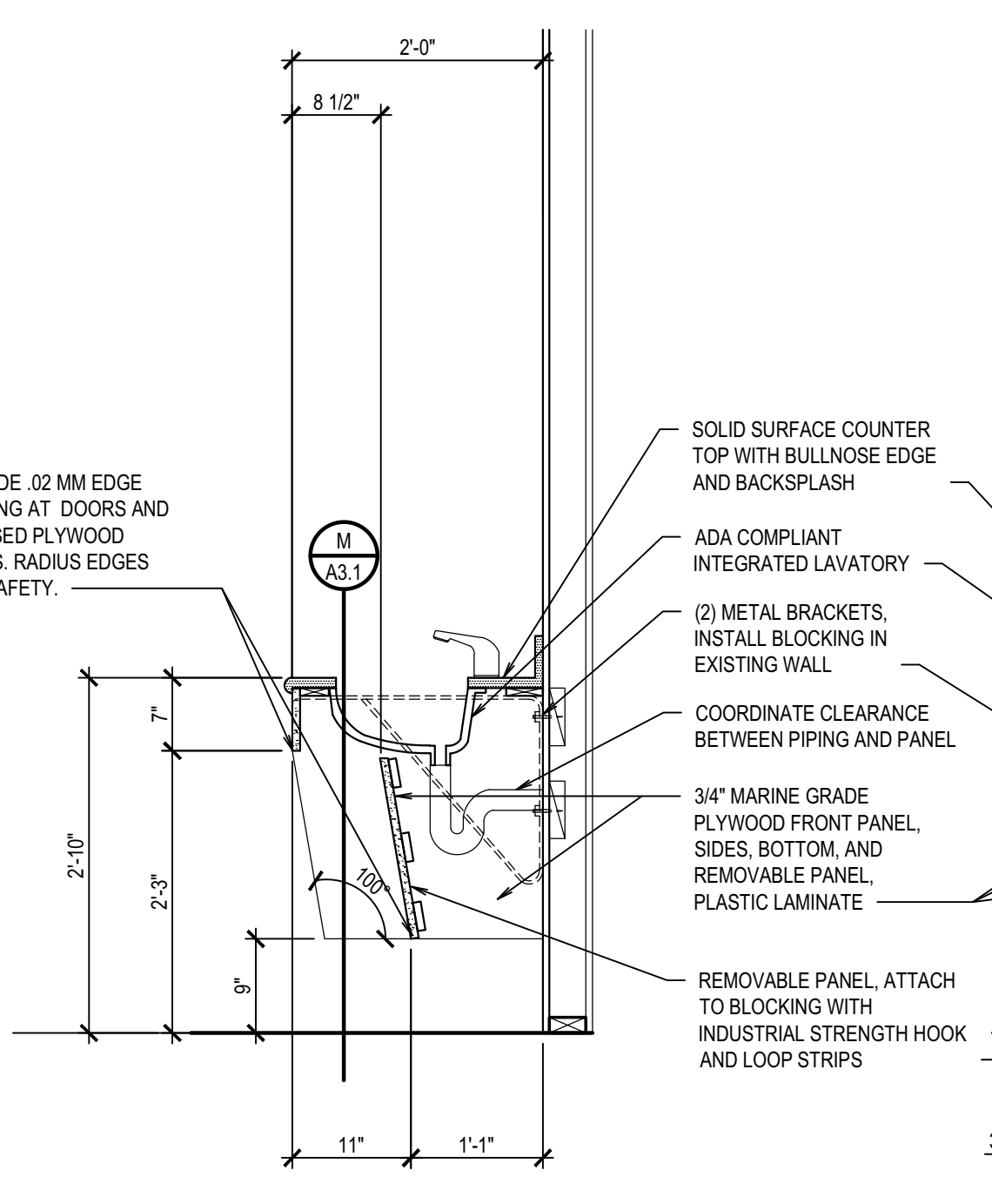
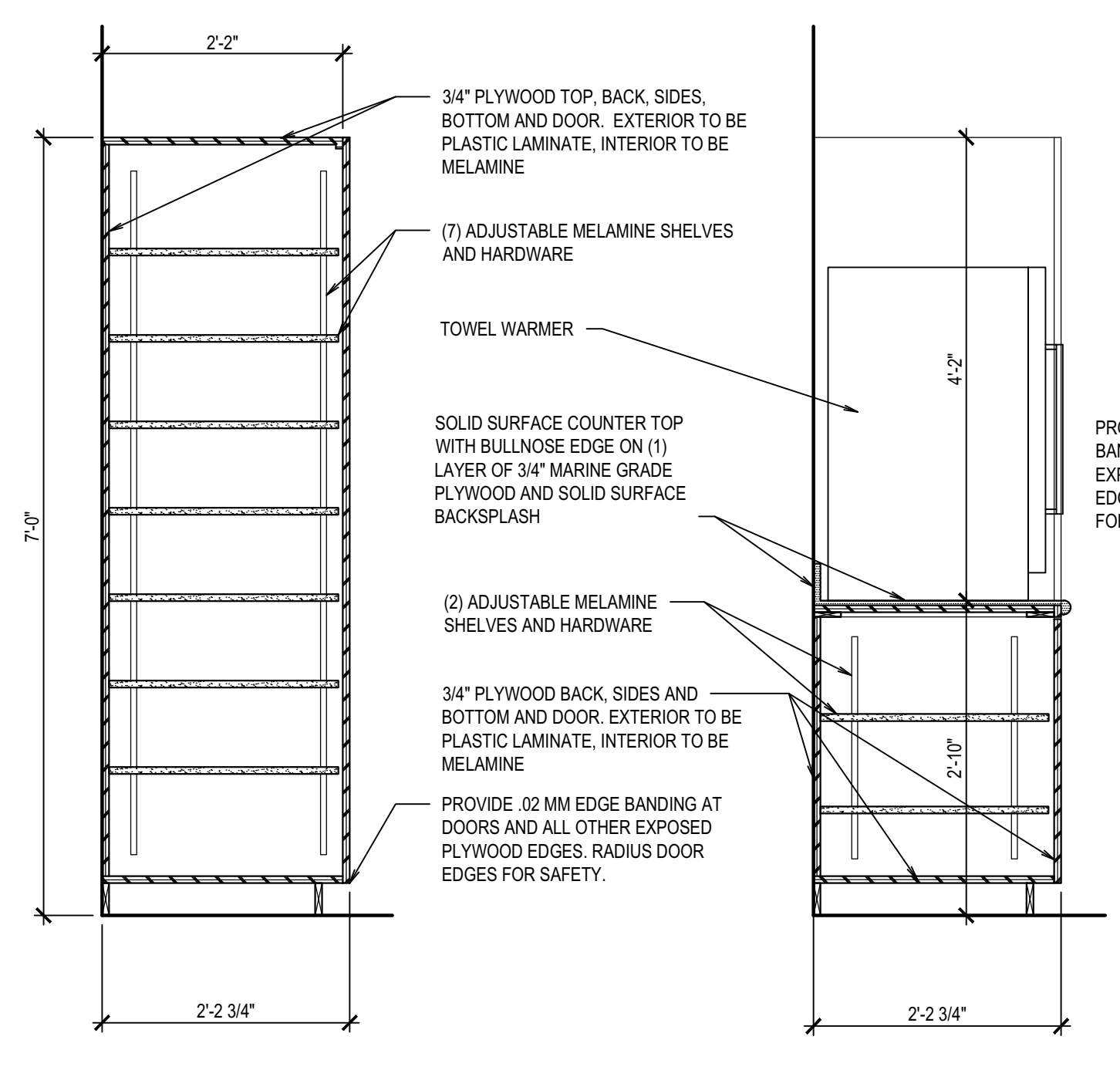
Provide a permanently attached shower seat located in accordance with ICC A117.1-2009

**NOTE:**

- PROVIDE LOCK AT EACH CABINET. ALL CABINETS SHALL BE KEYPED THE SAME.
- ALL PLYWOOD TO BE MARINE GRADE PLYWOOD



**ANSI MOUNTING HEIGHTS**  
SCALE: 1/4" = 1'-0"



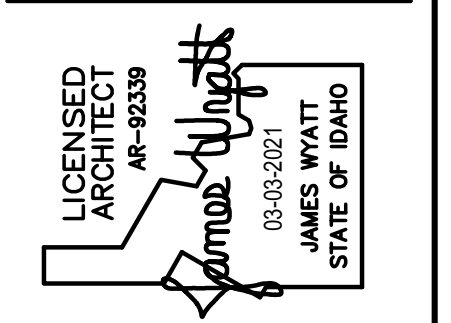
**SECTION J**  
SCALE: 3/4" = 1'-0"

**SECTION K**  
SCALE: 3/4" = 1'-0"

**SECTION L**  
SCALE: 3/4" = 1'-0"

**SECTION M**  
SCALE: 3/4" = 1'-0"

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



**nbw architects p.a.**  
ARCHITECTURE / PLANNING / INTERIORS  
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DPW PROJECT NO. 20-603  
**IDVS: REMODEL STAFF LOUNGE, VET-P**  
IDAHO STATE VETERANS HOME  
1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

PROJECT: IDVS: REMODEL STAFF LOUNGE, VET-P  
SHEET TITLE: INTERIOR ELEVATIONS

REVISIONS

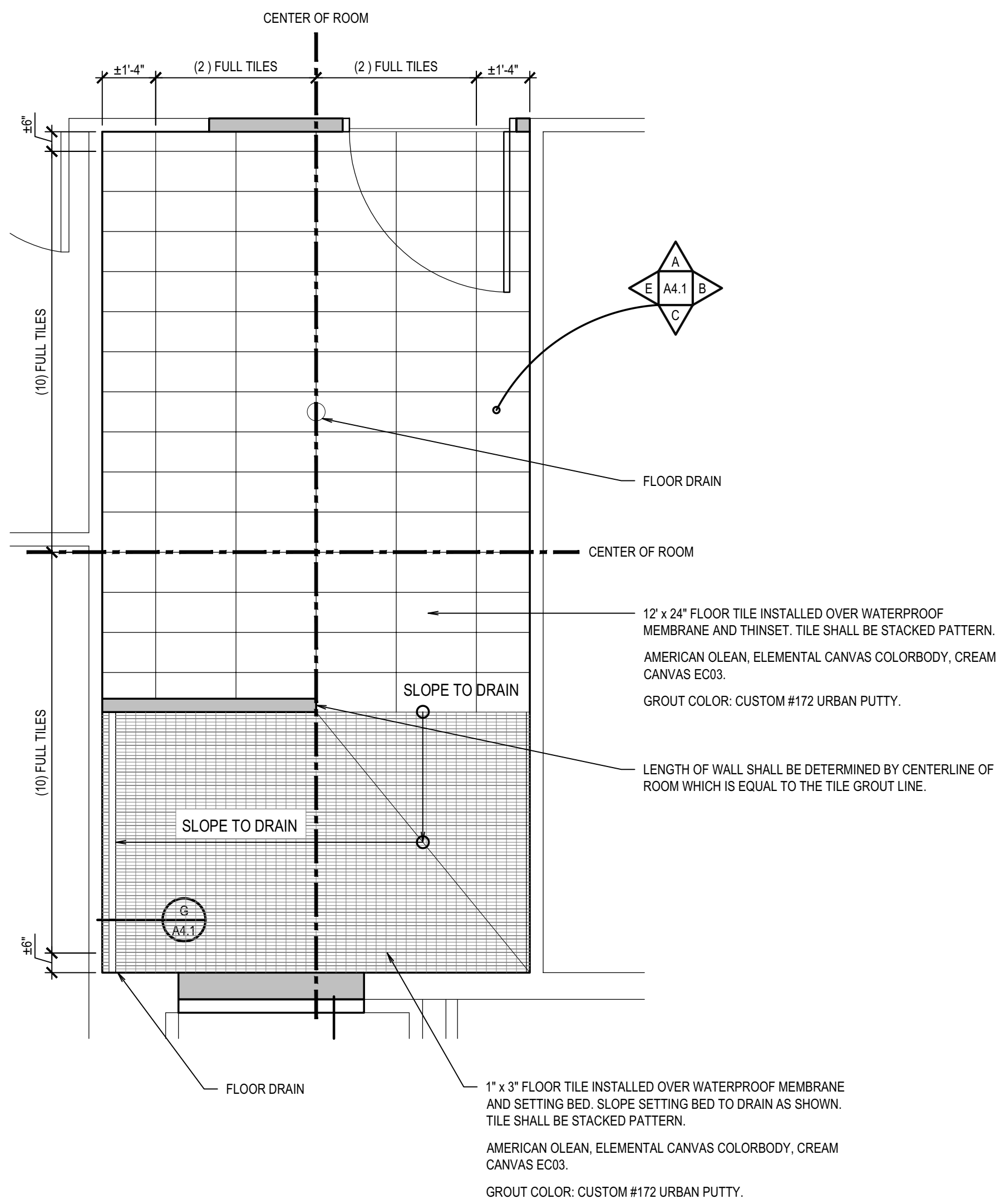
NO.	DESCRIPTION

PROJECT NO.: 19027  
DATE: MARCH 2021  
DRAWN BY: KP  
CHECKED BY: JHW  
DRAWING NO.:



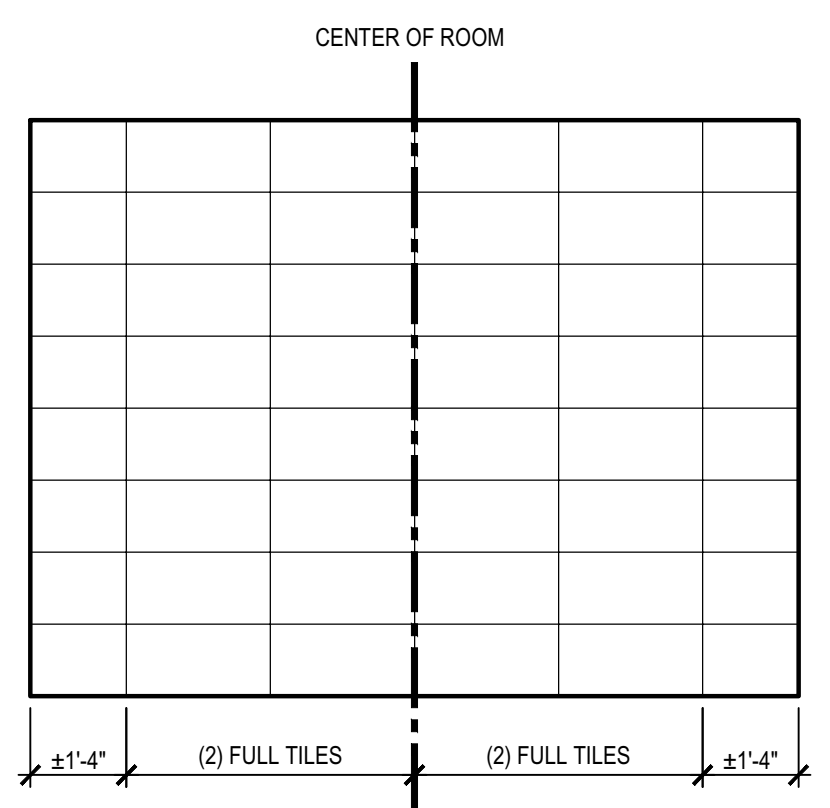
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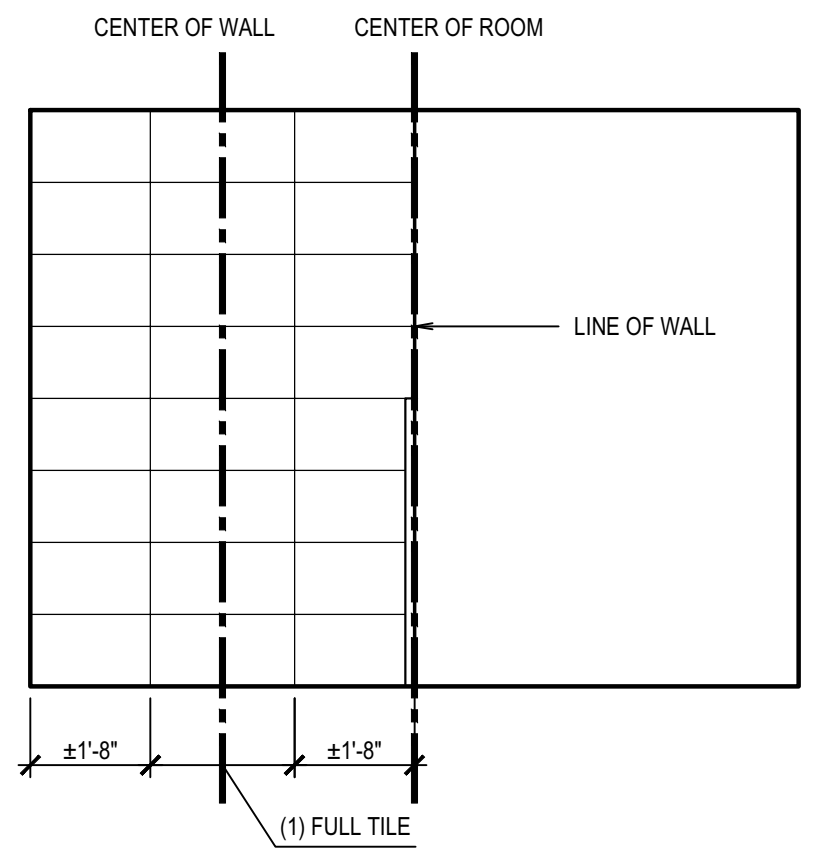


**FLOOR TILE LAY-OUT**

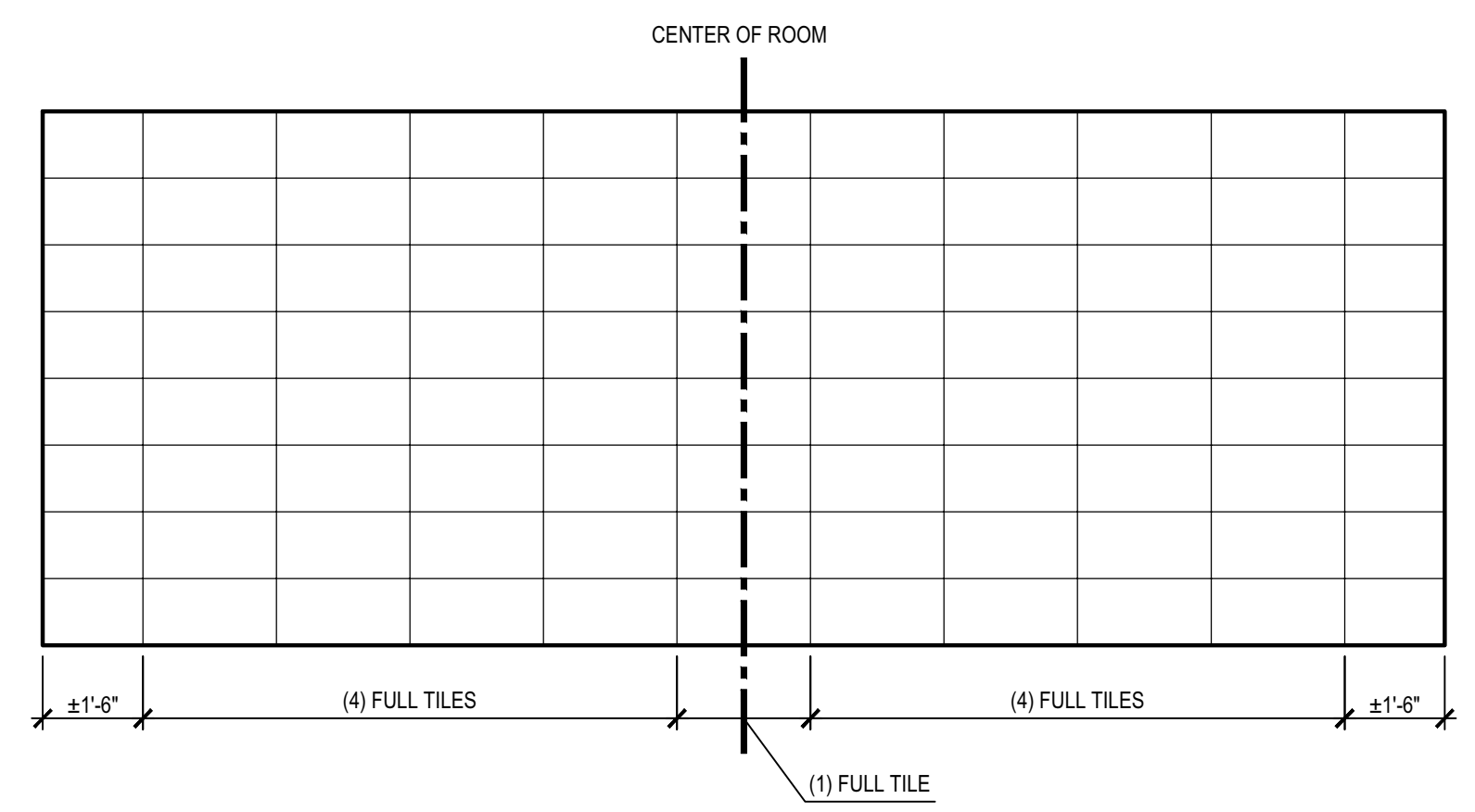
SCALE: 3/8" = 1'-0"



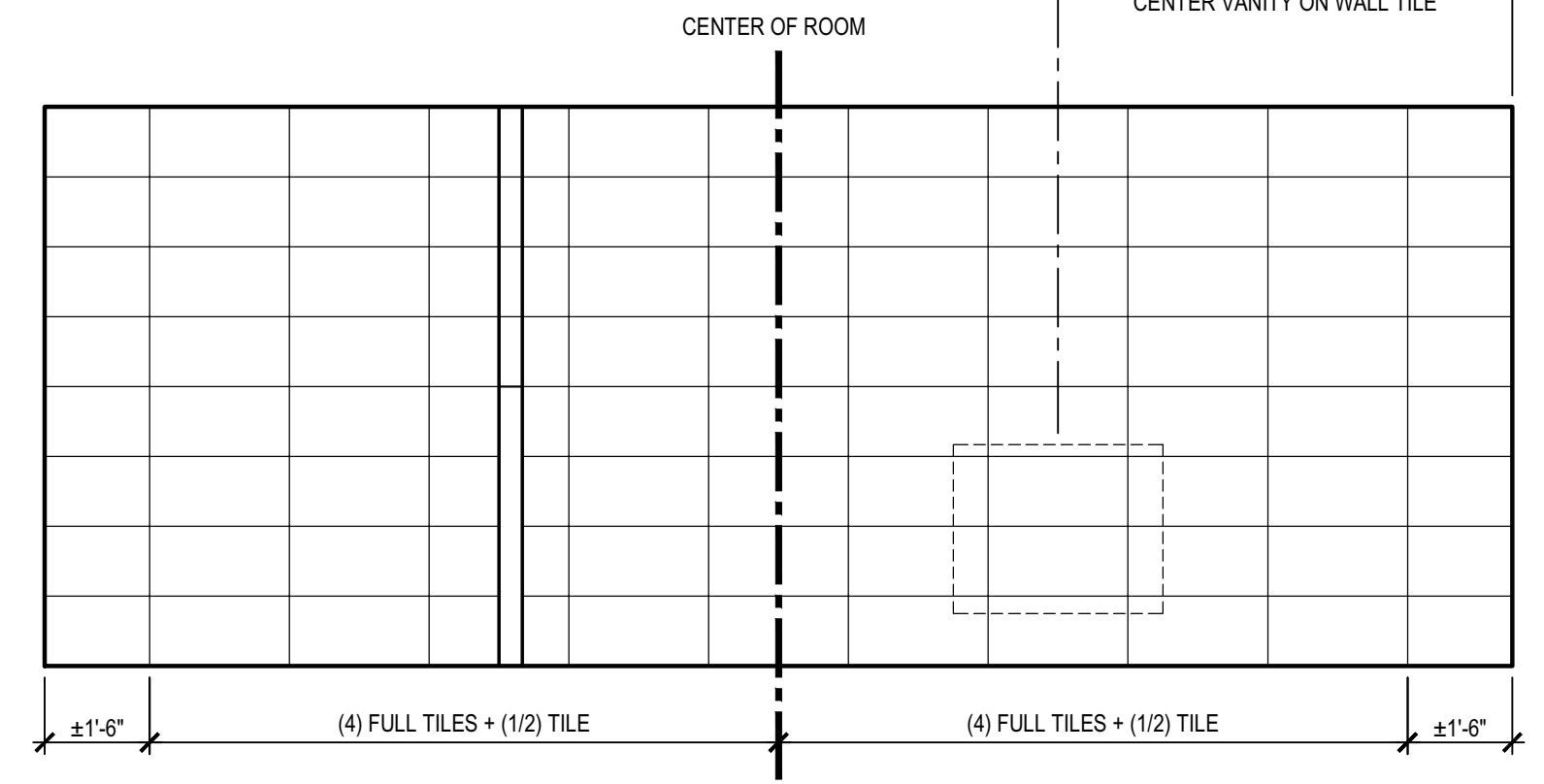
**ELEVATION A**  
SCALE: 3/8" = 1'-0"



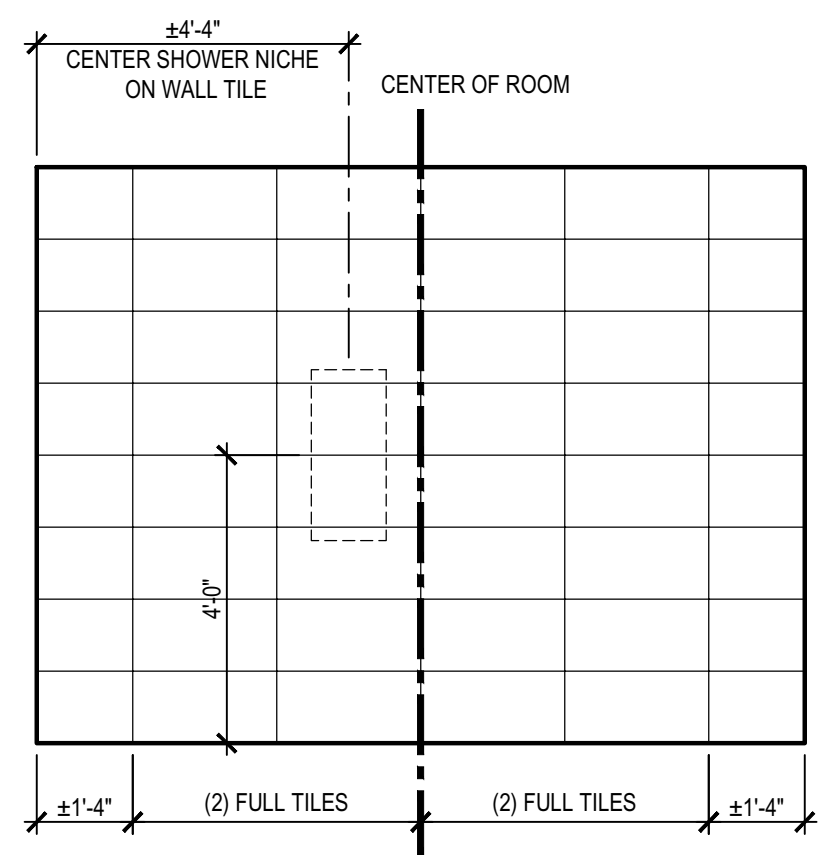
**ELEVATION D**  
SCALE: 3/8" = 1'-0"



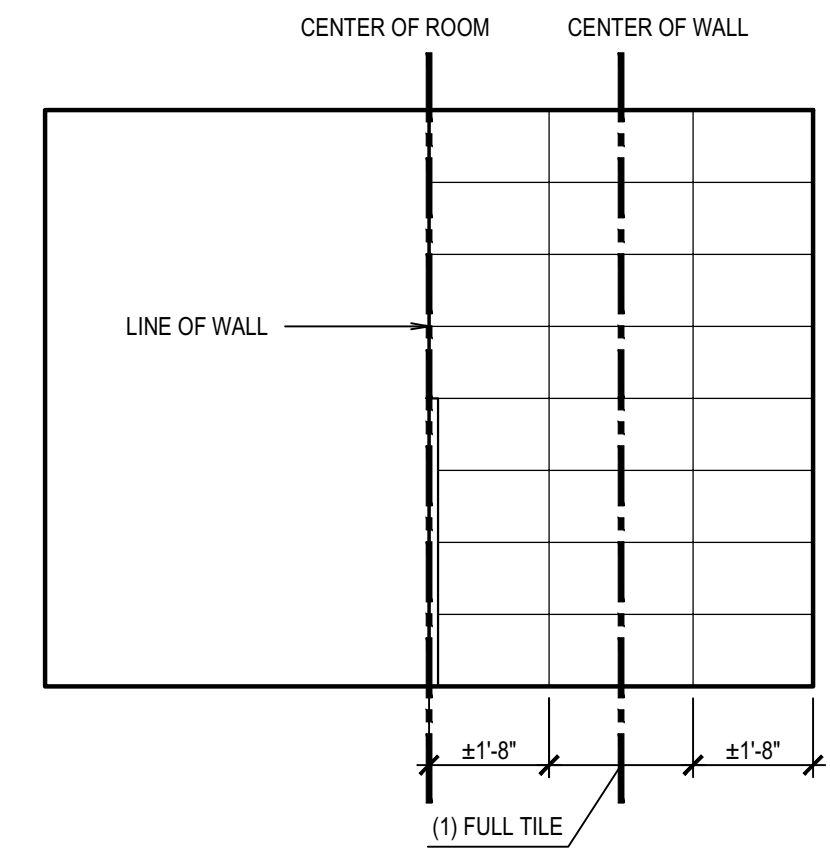
**ELEVATION B**  
SCALE: 3/8" = 1'-0"



**ELEVATION E**  
SCALE: 3/8" = 1'-0"



**ELEVATION C**  
SCALE: 3/8" = 1'-0"

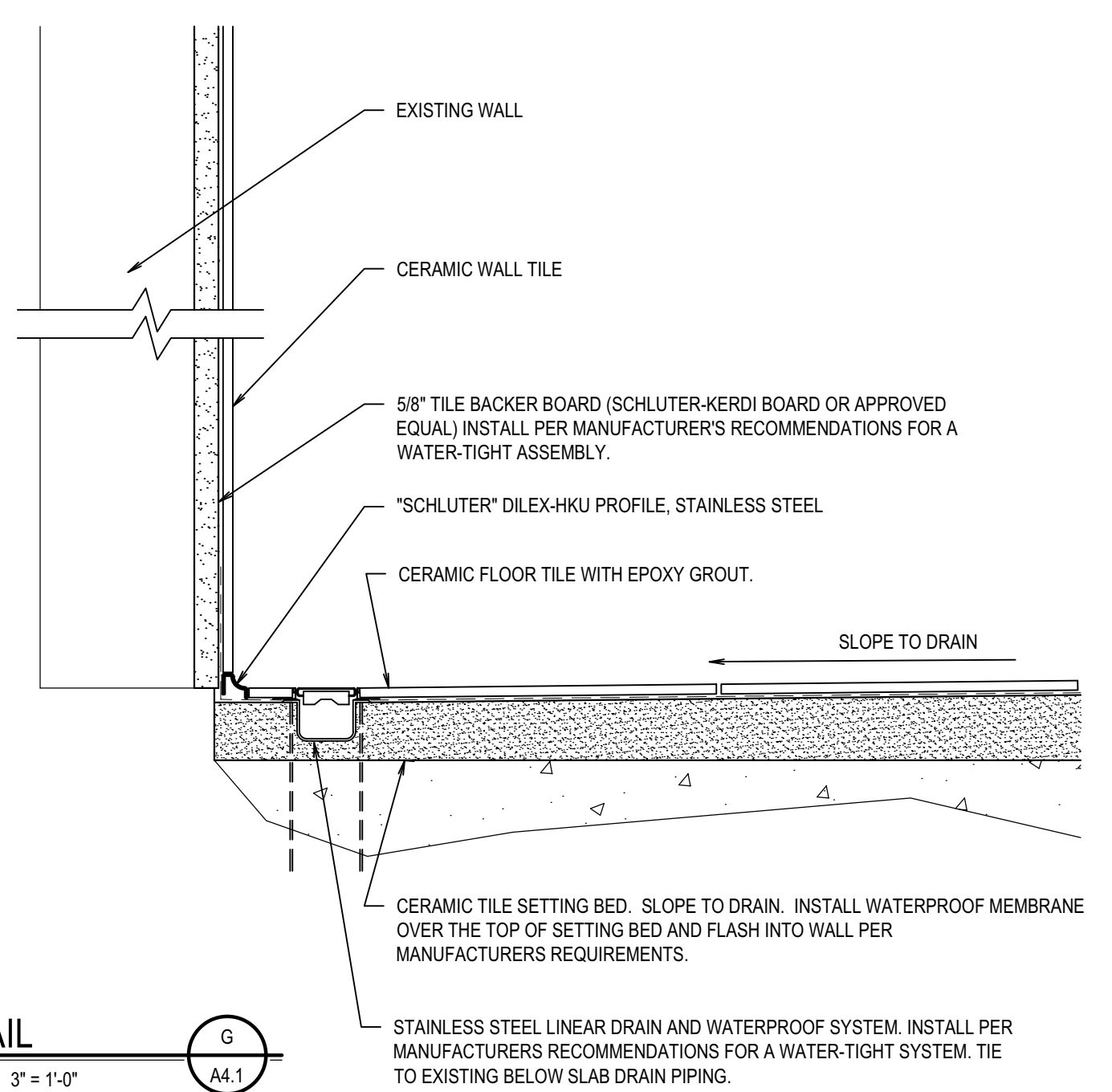


**ELEVATION F**  
SCALE: 3/8" = 1'-0"

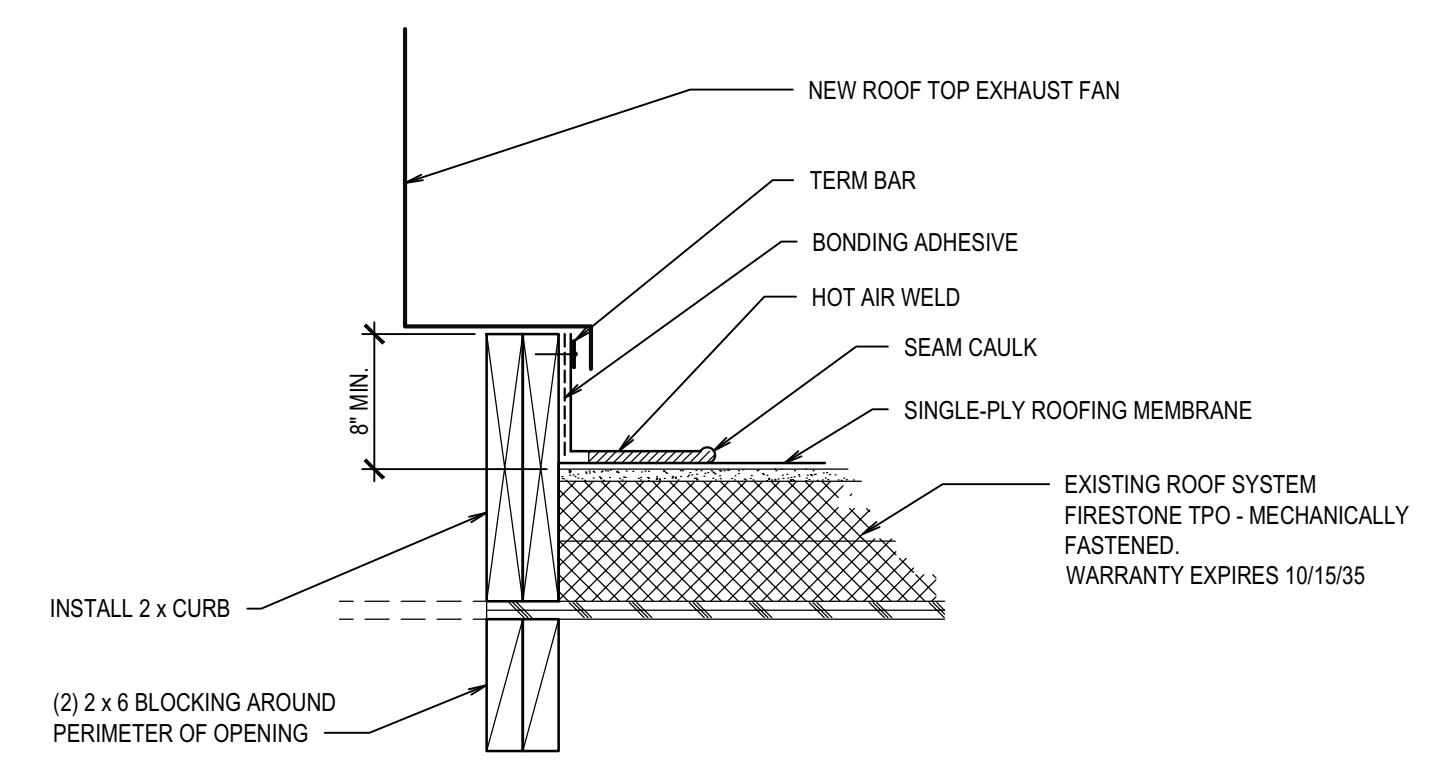
12" x 24" WALL TILE INSTALLED OVER 5/8" TILE BACKER BOARD. TILE SHALL BE STACKED PATTERN. TILE JOINTS SHALL LINE UP AT ALL CORNERS. AMERICAN OLEAN, ELEMENTAL CANVAS COLORBODY, CREAM CANVAS EC03. GROUT COLOR: CUSTOM #172 URBAN PUTTY

**WALL TILE LAY-OUT**

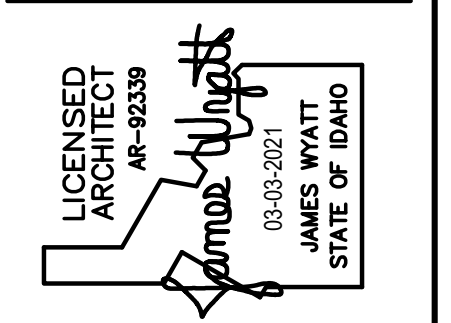
SCALE: 3/8" = 1'-0"



**DETAIL G**  
SCALE: 3" = 1'-0"



**EXHAUST FAN ROOF CURB H**  
SCALE: 1 1/2" = 1'-0"



**nbw architects p.a.**  
ARCHITECTURE, PLANNING / INTERIORS  
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1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

PROJECT: IDVS: REMODEL STAFF LOUNGE, VET-P  
SHEET TITLE: TILE LAY-OUT

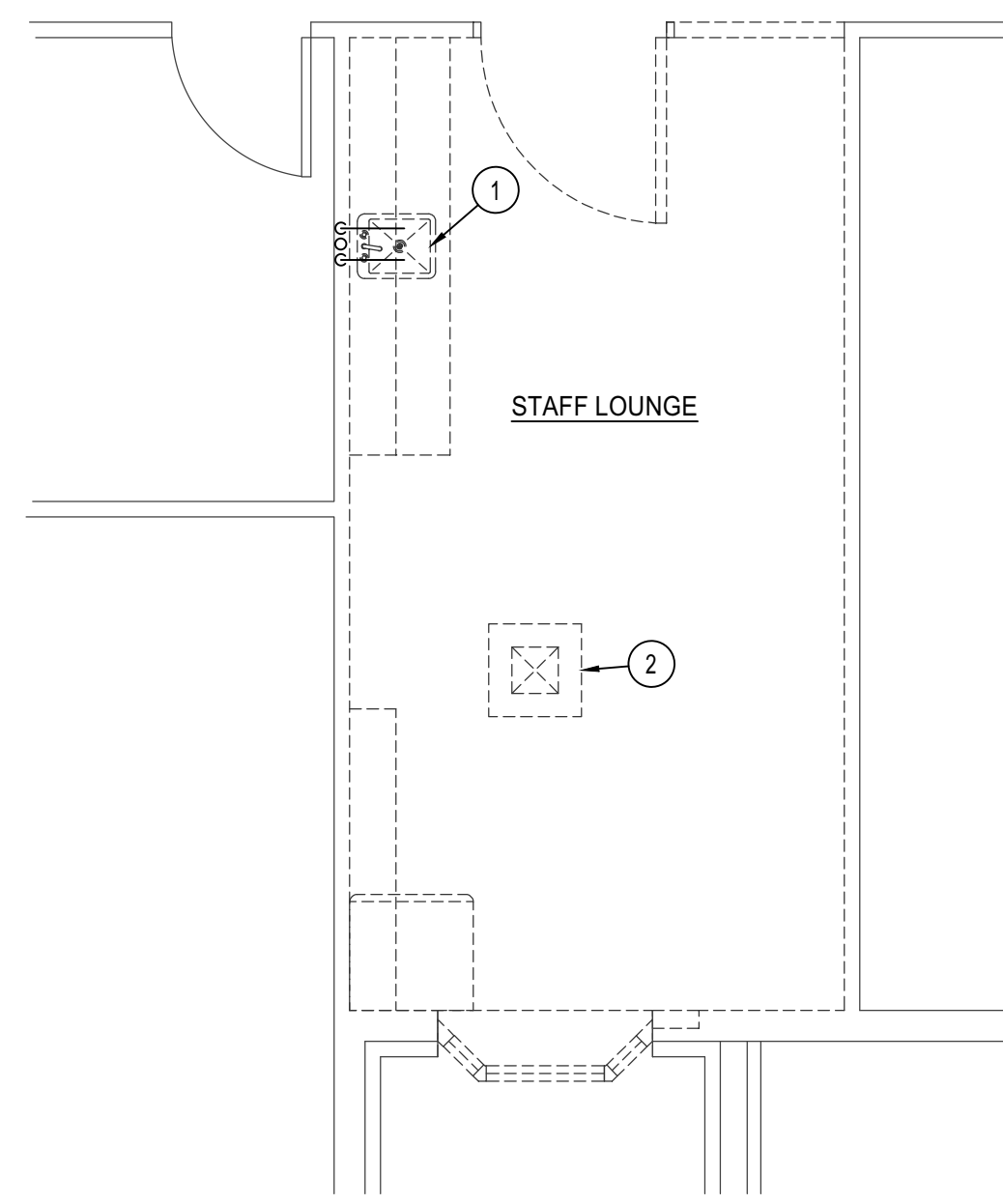
REVISIONS


PROJECT NO.: 19027  
DATE: MARCH 2021  
DRAWN BY: KP  
CHECKED BY: JHW  
DRAWING NO:

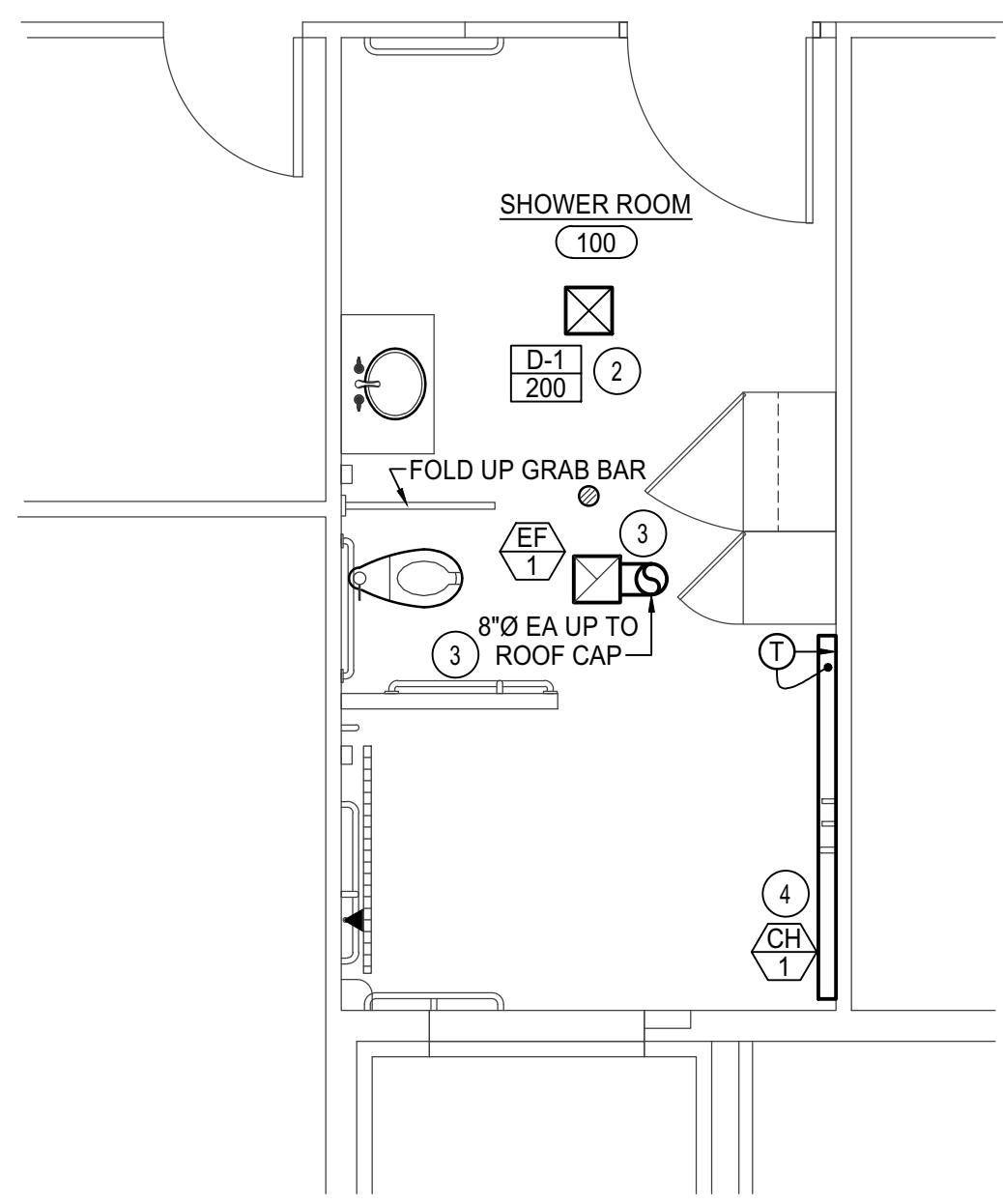


**A4.1**

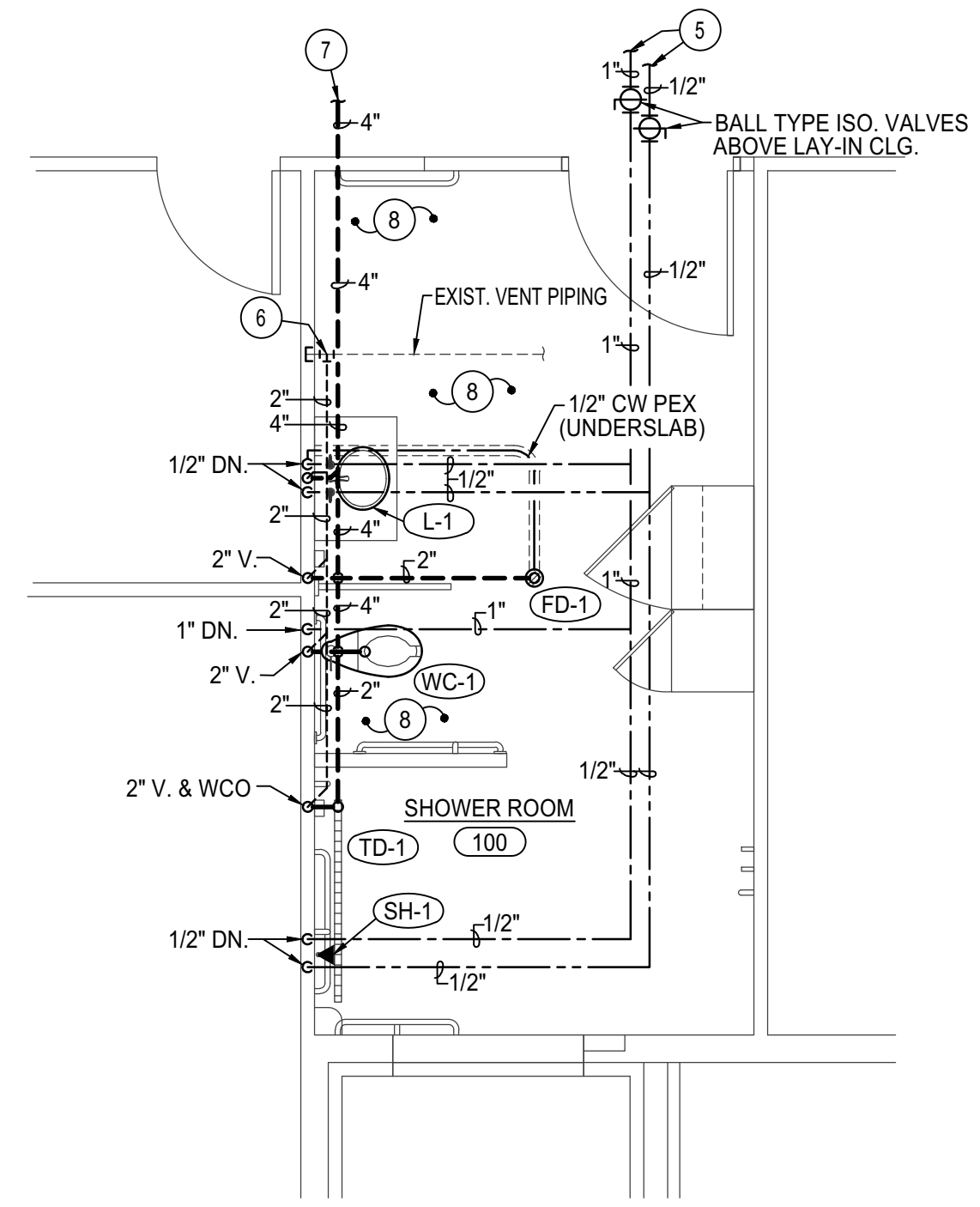




**PLUMBING / MECHANICAL DEMOLITION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**FLOOR PLAN - MECHANICAL**  
SCALE: 1/4" = 1'-0"



**FLOOR PLAN - PLUMBING**  
SCALE: 1/4" = 1'-0"

EXHAUST FAN SCHEDULE								
SYM.	TYPE	C.F.M.	S.P.E.	WATTS	CHAR.	R.P.M.	CONTROL	REMARKS
EF-1	CEILING MOUNTED	250	25	127	120/60/1	760	60 MIN. TIMER	TWIN CITY MODEL T250 WITH BACKDRAFT DAMPER. 8"Ø EXHAUST DUCT TO FLAT ROOF CAP.

ELECTRIC HEATER SCHEDULE							
SYM.	TYPE	BTU	KW	AMPS	CHAR.	CONTROL	REMARKS
CH-1	WALL MOUNTED COVE HEATER	4,095	1.2	5.8	208/60/1	WALL T-STAT	QMARK MODEL RCC12008C 94" LONG COVE HEATER WITH MOUNTING BRACKETS AND WALL T-STAT

GRILLE AND REGISTER SCHEDULE									
SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BALANCING DAMPER	FIRE DAMPER	REMARKS
D-1	CEILING DIFFUSER	9x9	100-280	4-WAY	ALUM	COLOR BY ARCH.	NA	NA	PRICE MODEL AMD WITH BEVELED FRAME

FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
FD-1	2" FLOOR DRAIN WITH PRIMER - ZURN Z-415B WITH 5'Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP WITH ZURN 1022 TRAP PRIMER MOUNTED UNDER NEAREST LAVATORY	--	--	2"	2"
L-1	ADA COUNTER TOP LAVATORY - CORIAN MODEL MODEL 810P. MOEN CA8302 BATTERY FAUCET WITH MOEN 104451 THERMOSTATIC MIXING VALVE. 1/2" BALL TYPE STOPS VALVES. 1-1/2" TAILPIECE & 1-1/2" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
SH-1	ADA PACKAGED SHOWER - AMERICAN STANDARD MODEL 1662-221 COMMERCIAL SHOWER KIT WITH WITH T1P MIXING VALVE, HANDSHOWER, METAL HOSE & STANDARD HANDSHOWER. INSTALL AMERICAN STANDARD MODEL 1662-236 SLIDE / GRAB BAR (36" LONG) WITH PACKAGED SHOWER LISTED ABOVE.	1/2"	1/2"	--	--
TD-1	TRENCH FLOOR DRAIN SYSTEM - SCHLUTER SYSTEMS KERDI-DRAIN WITH 2" NO-HUB END DRAIN OUTLET AND DEEP SEAL P-TRAP. LENGTH AS PER FLOOR PLANS REQUIRE. DRAIN TO BE LOCATED IN THE END OF THE DRAIN SYSTEM AND CONNECTED TO EXISTING 2" OR LARGER WASTE AND VENT PIPING. TILE CONTRACTOR TO PROVIDE DRAIN AND COORDINATE INSTALLATION WITH PLUMBING CONTRACTOR.	--	--	2"	2"
WC-1	ADA BARIATRIC FLUSH VALVE WATER CLOSET - AMERICAN STANDARD 3641001.020 FLUSHOMETER TOILET, WITH WHITE OPEN FRONT SEAT, SLOAN BPW 1100 FLUSH VALVE WITH BEDPAN WASHER AND CHINA BOLT CAPS.	--	1"	4"	2"

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

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

**PLAN NOTES:**

- REMOVE EXISTING SINK AND CAP WASTE, WATER AND VENT PIPING IN WALL AS REQUIRED FOR NEW WALL FINISHES.
- REMOVE EXISTING LAY-IN CEILING DIFFUSER AND REPLACE WITH NEW DIFFUSER IN NEW HARD CEILING & CONNECT TO EXISTING DUCT. REFER TO GRILLE & REGISTER SCHEDULE ON THIS SHEET FOR NEW DIFFUSER INFORMATION. EXTEND DUCT AS REQD.
- INSTALL NEW EXHAUST FAN IN CEILING OF ROOM AND RISE 8"Ø EXHAUST DUCT UP TO ROOF CAP ABOVE. SEAL ROOF PENETRATION WEATHERTIGHT. REFER TO DETAIL ON THIS SHEET.
- MOUNT COVE HEATER ON WALL IN LOCATION SHOWN 6" BELOW CEILING. CAREFULLY COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- CONNECT NEW WATER PIPING TO EXISTING WATER PIPING LOCATED ABOVE CEILING. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING.
- CONNECT NEW 2" VENT PIPING TO EXISTING VENT PIPING ABOVE CEILING. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING.
- CONNECT NEW 4" WASTE LINE TO EXISTING 4" WASTE LINE LOCATED BELOW CORRIDOR CONCRETE SLAB FLOOR. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING AND DIRECTION OF FLOW.
- SAW CUT EXISTING CONCRETE SLAB FLOOR AS REQUIRED TO INSTALL UNDERSLAB WASTE AND WATER PIPING SERVING NEW FIXTURES.

**GENERAL NOTES:**

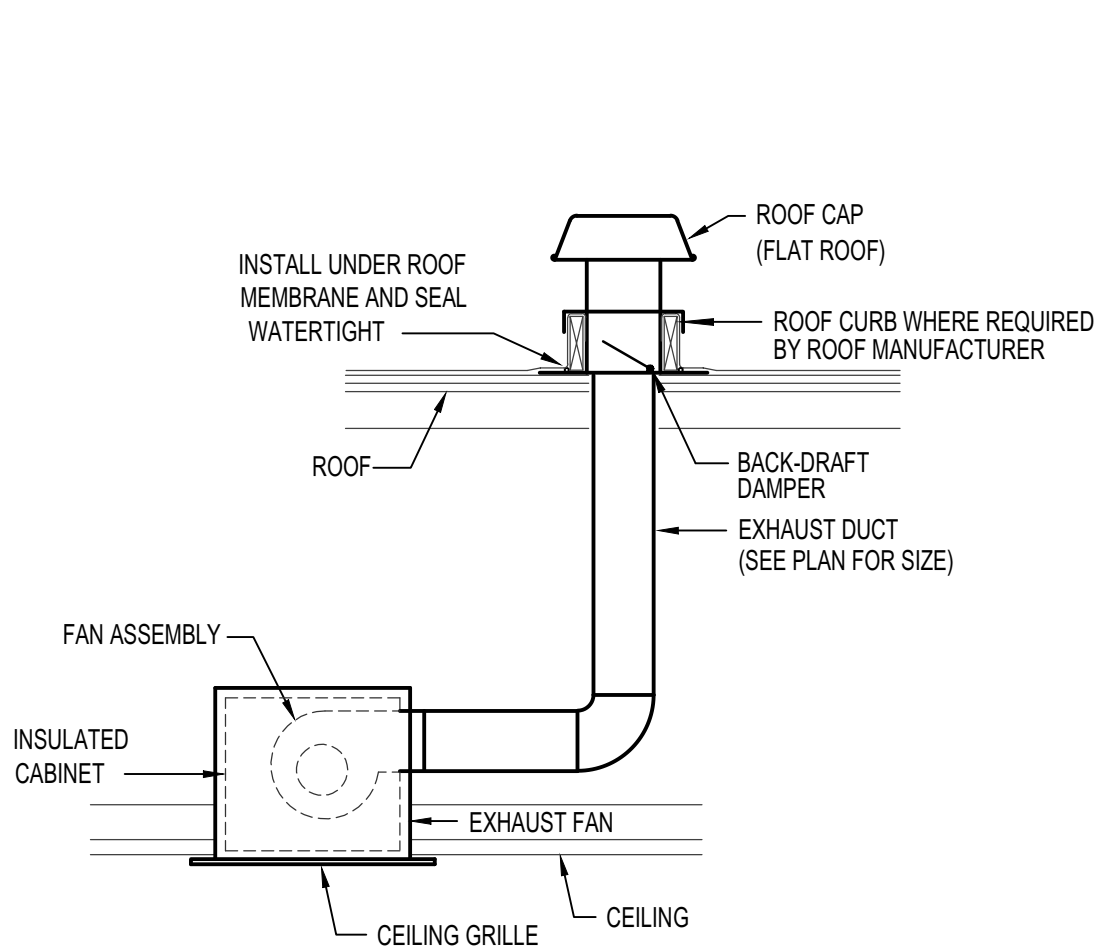
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT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

**Professional Engineer Registered**  
STATE OF IDAHO  
DATE: 03/20/2024  
NAME: B. S. Swanda

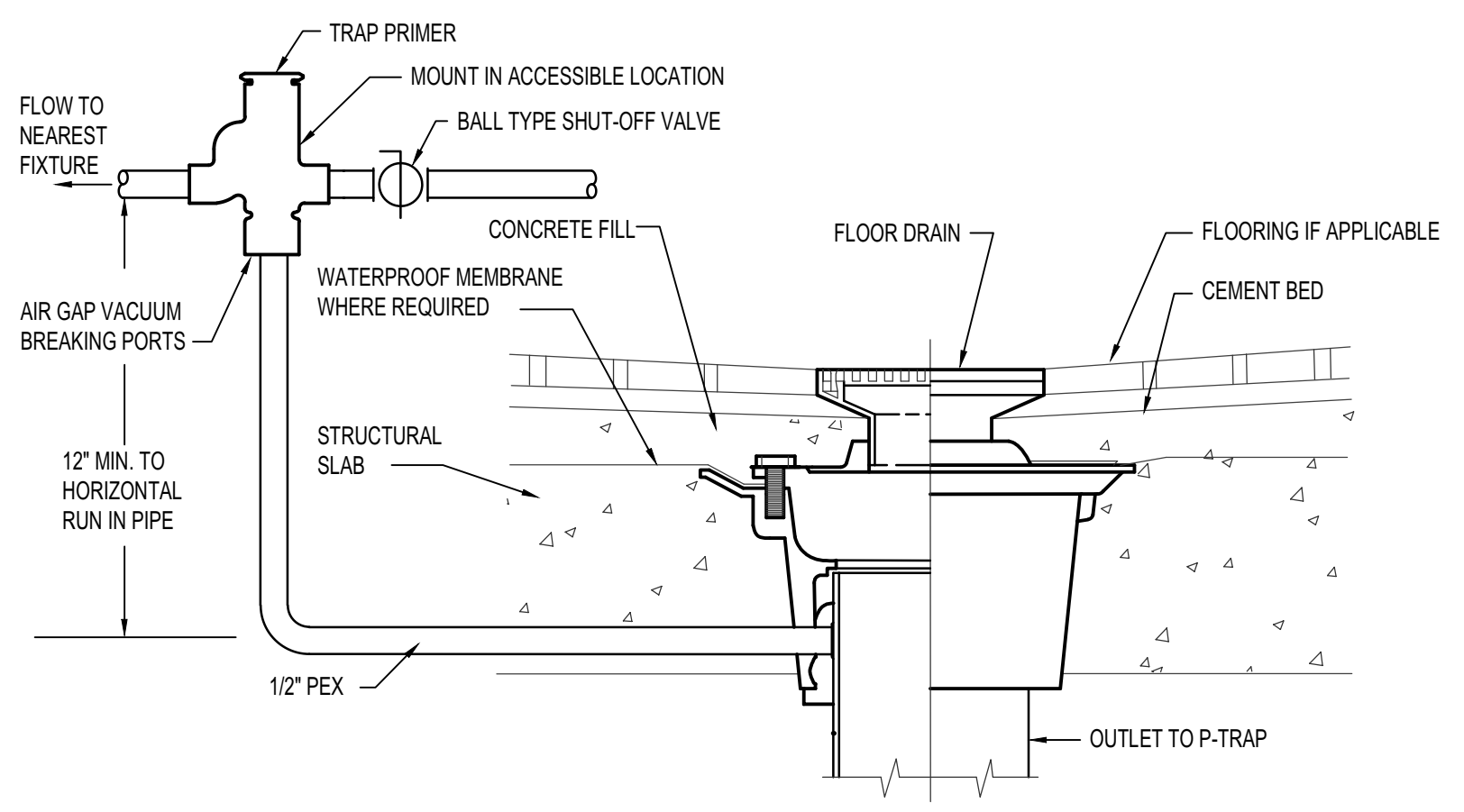
**Engineered Systems Associates**  
1355 EAST CENTER  
POCATELLO, IDAHO 83201  
PHONE: (208) 233-0501  
FAX: (208) 233-0529  
EMAIL: eso@engsystems.com  
MEMBER: 20005

BLD2103-00100  
**REVIEWED FOR CODE COMPLIANCE**

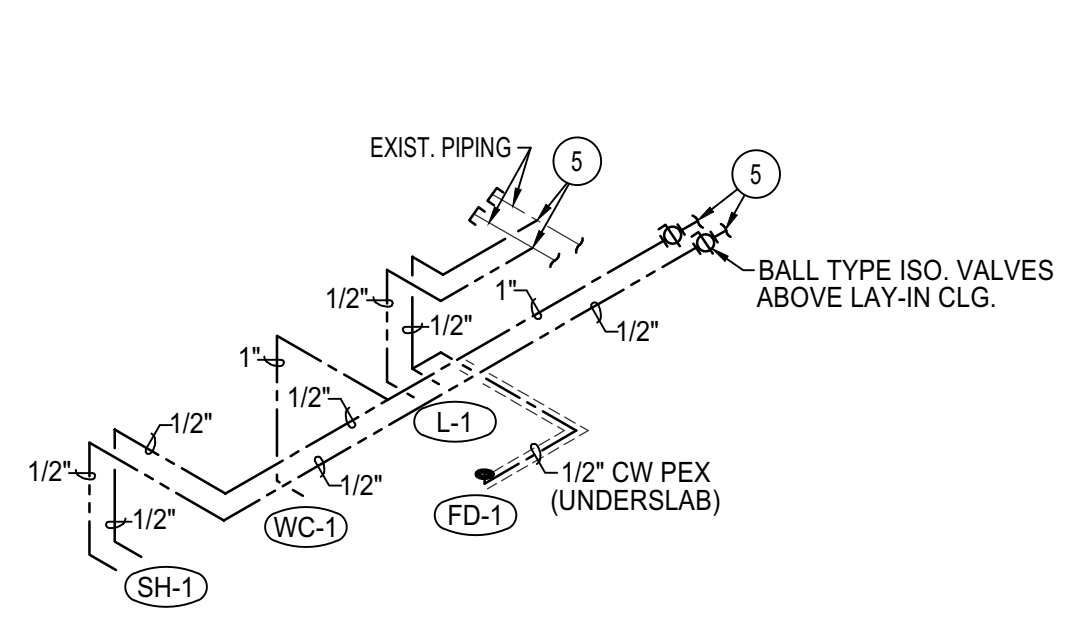
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.  
**SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION**



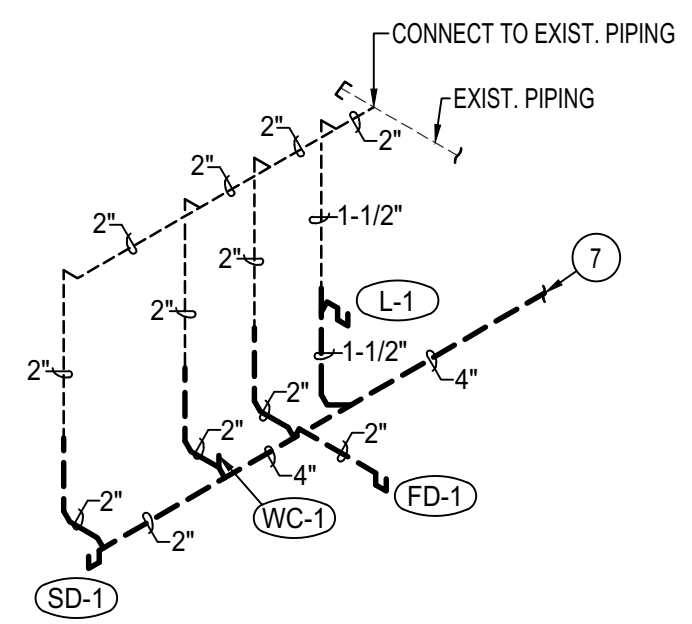
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**TRAP PRIMER DETAIL**  
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**WATER PIPING ISOMETRIC**  
NO SCALE



**WASTE & VENT PIPING ISOMETRIC**  
NO SCALE

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DPW PROJECT NO. 20-603  
**IDVS: REMODEL STAFF LOUNGE, VET-P**  
IDAHO STATE VETERANS HOME  
1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

PROJECT:  
SHEET TITLE:  
MECHANICAL / PLUMBING FLOOR PLANS


































REVISIONS

PROJECT NO. 19027  
DATE: MARCH 2021  
DRAWN BY: SR  
CHECKED BY: DCS  
DRAWING NO.:















































**MP1.1**





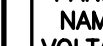

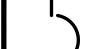



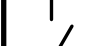
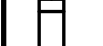



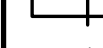



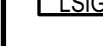




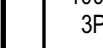
# ELECTRICAL LEGEND - LIGHTING

- REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.
-  DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
  -  WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
  -  SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
  -  WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
  -  ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
  -  1'X1' LIGHT FIXTURE.
  -  1'X1' LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  2'X4' LIGHT FIXTURE.
  -  2'X4' LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  2'X2' LIGHT FIXTURE.
  -  2'X2' LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
  -  DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
  -  STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  WALL MOUNTED LIGHT FIXTURE.
  -  WALL MOUNTED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  RECESSED LIGHT FIXTURE.
  -  RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  ROUND LIGHT FIXTURE.
  -  ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  WALL MOUNTED LIGHT FIXTURE.
  -  WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
  -  POLE LIGHT 1' HEAD WITH POLE
  -  TIME CLOCK
  -  PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
  -  OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED
  -  LED DRIVER
  -  EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
  -  EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.
  -  INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
  -  EXTERIOR WALL PACK
  -  EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR














# DEVICES

-  SWITCH, TYPE AS INDICATED. +46" AFF
-  2 DOUBLE POLE
-  3 3-WAY
-  4 4-WAY
-  K KEYS
-  P PILOT LIGHT
-  D DIMMER
-  HP HORSEPOWER RATED
-  TO THERMAL OVERLOAD
-  LV LOW VOLTAGE
-  OS OCCUPANCY SENSOR
-  OR LOW VOLTAGE, MOMENTARY OVERRIDE
-  VS VACANCY SENSOR
-  a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
-  ⑆ DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
-  ⑆Ⓢ DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING.
-  Ⓞ SINGLE CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ FLOOR MOUNT SINGLE CONVENIENCE OUTLET
-  Ⓞ DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
-  Ⓞ EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
-  Ⓞ USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO
-  Ⓞ FOURPLEX CONVENIENCE OUTLET. +18" AFF UNO
-  Ⓞ FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
-  Ⓞ CONNECTION POINT TO EQUIPMENT SPECIFIED. ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO
-  Ⓞ FLOOR MOUNTED CONNECTION POINT. SEE NOTE ABOVE FOR REQUIREMENTS
-  Ⓞ FLOOR MOUNTED JUNCTION BOX
-  Ⓞ JUNCTION BOX
-  Ⓞ WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
-  Ⓞ WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO
-  Ⓞ MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED
-  Ⓞ COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO
-  Ⓞ FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO
-  Ⓞ NON-FUSED DISCONNECT SIZE/POLES AS INDICATED, NEMA 1 UNO
-  Ⓞ THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
-  Ⓞ POWER POLE - DUAL CHANNEL
-  Ⓞ TRANSFORMER
-  Ⓞ PANELBOARD. SEE SCHEDULE FOR TYPE.
-  Ⓞ EQUIPMENT CABINET, SURFACE MOUNTED
-  Ⓞ EQUIPMENT CABINET FLUSH MOUNTED
-  Ⓞ SURFACE MULTI-OUTLET RACEWAY
-  Ⓞ MECHANICAL EQUIPMENT CALL OUT
-  Ⓞ KITCHEN EQUIPMENT CALL OUT

# ONE LINE



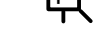
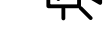


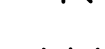
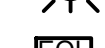

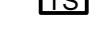





















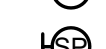
-  DELTA WYE TRANSFORMER UNO
-  PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE
-  CIRCUIT BREAKER, SIZE AND POLES INDICATED
-  FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
-  INTERRUPTER SWITCH, SIZE AND POLES INDICATED
-  FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
-  DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO
-  INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO
-  INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO
-  GROUND FAULT PROTECTION
-  TRANSIENT VOLTAGE SURGE SUPPRESSION
-  ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS):  
L-LONG TIME  
S-SHORT TIME  
T-INSTANTANEOUS  
G-GROUND FAULT  
R-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR
-  GROUND
-  SHUNT TRIP COIL
-  MOTOR
-  DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO
-  OVERHEAD SERVICE DROP
-  GENERATOR SET, MAIN BREAKER SIZE INDICATED
-  AUTOMATIC TRANSFER SWITCH (ATS)
-  METER AND BASE
-  NEUTRAL
-  DRY TYPE TRANSFORMER
-  PAD MOUNT TRANSFORMER

# SECURITY



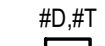



-  CCTV CAMERA POWER SUPPLY
-  CCTV SYSTEM POWER SUPPLY
-  ADJUSTABLE CAMERA (PAN/TILT/ZOOM)
-  FIXED CAMERA
-  CAMERA IN OUTDOOR HOUSING
-  ADJUSTABLE CAMERA (PAN/TILT/ZOOM) IN OUTDOOR HOUSING
-  CCTV OUTLET, +18" UNO
-  CEILING MOUNTED CCTV OUTLET
-  SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND MUDRING WITH VENDOR
-  CARD READER
-  CEILING MOUNTED MOTION SENSOR
-  WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED
-  PANIC BUTTON - MOUNTED UNDER COUNTER

NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.








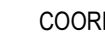
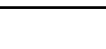

# FIRE ALARM

-  PULL STATION, +44" AFF WITH PRE-ALARM COVER
-  FIRE ALARM HORN, +84" AFF UNO
-  FIRE ALARM HORN, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
-  FIRE ALARM BELL, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
-  FIRE ALARM CHIME, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
-  FIRE ALARM CHIME/STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
-  SPEAKER STROBE, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
-  END OF LINE RESISTOR
-  FLOW SWITCH, PROVIDE MONITOR MODULE AS REQUIRED
-  TAMPERS, PROVIDE MONITOR MODULE AS REQUIRED
-  PRESSURE SWITCH, PROVIDE MONITOR MODULE AS REQUIRED
-  FIRE SYSTEM ANNCIATOR, FLUSH MOUNTED +54" UNO
-  POST INDICATOR VALVE, PROVIDE MONITOR MODULE AS REQUIRED
-  ELECTROMAGNETIC DOOR HOLDER
-  RELAY
-  CONTROL MODULE
-  MONITOR MODULE
-  FIRE ALARM KNOX BOX
-  FIRE ALARM CONTROL PANEL
-  NAC EXTENDER PANEL
-  FIRE/SMOKE DAMPER
-  LED INDICATOR LIGHT, CEILING MOUNTED UNO
-  LED INDICATOR LIGHT WITH TEST SWITCH, CEILING MOUNTED UNO
-  DUCT-MOUNTED SMOKE DETECTOR
-  SMOKE DETECTOR, CEILING MOUNTED UNO
-  H HEAT
-  I IONIZATION
-  ID IN DUCT
-  P PHOTOELECTRIC
-  R RELAY
-  WIG PROVIDE PROTECTIVE WIRE GUARD
-  BS.BR BEAM DETECTOR, SENDER & RECEIVER

# COMMUNICATIONS

-  JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. MOUNT AT 18" AFF. UNO. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
-  TELEPHONE/DATA OUTLET. MOUNT AT 18" AFF. UNO. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (D) AND TELEPHONE (T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
-  FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. JUNCTION BOX WITH SINGLE-GANG MUD RING. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
-  FLOOR MOUNTED TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (D) AND TELEPHONE (T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
-  INTERCOM SYSTEM CALL BUTTON. +46" UNO.
-  CEILING MOUNTED SPEAKER WITH BACKBOX
-  WALL MOUNTED SPEAKER, WITH BACKBOX +80" UNO
-  VOLUME CONTROL, +46" UNO
-  TELEVISION OUTLET, +18" AFF UNO. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
-  CEILING MOUNTED TELEVISION OUTLET
-  TELEPHONE TERMINAL BOARD
-  CT-XX CABLE TRAY, 4" DEEP, WIRE BASKET STYLE. 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED

# NURSE STATION

-  NURSE CALL CORRIDOR LIGHT WALL MOUNTED +90" UNO
  -  NURSE CALL CORRIDOR LIGHT, CEILING MOUNTED
  -  NURSE CALL EMERGENCY STATION
  -  NURSE CALL STAFF REGISTRATION STATION
  -  NURSE CALL DUTY STATION
  -  NURSE CALL MASTER STATION
  -  NURSE CALL STAFF STATION
  -  NURSE CALL CODE BLUE STATION
  -  NURSE CALL PATIENT STATION
  -  NURSE CALL DOUBLE BED STATION
- COORDINATE BOX SIZE AND MUDRING WITH NURSE CALL VENDOR.

# ELECTRICAL ABBREVIATIONS

A	AMPERES	AF	6" ABOVE BACKSPASH ABOVE FINISHED FLOOR
AC	6" ABOVE BACKSPASH ABOVE FINISHED FLOOR	AFG	ABOVE FINISHED GRADE
AF	AMP FRAME	AF	AMPS INTERRUPTING CAPACITY
AIC	AMPERES INTERRUPTING CAPACITY	AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH	AWG	AMERICAN WIRE GAUGE
BD	BOTTOM OF DECK	BS	BOTTOM OF STRUCTURE
C	CEILING MOUNTED	CB	CIRCUIT BREAKER
CB	CIRCUIT BREAKER	CF	COMPACT FLUORESCENT
CKT	CIRCUIT	CON	CONDUIT ONLY, PROVIDE PULL-LINE
CO	CURRENT TRANSFORMER CONTROL	CTL	CONTROL
DC	DIRECT CURRENT	(D)	DEMOLITION
DEMO	DEMOLITION	DET	DETAIL
DTT	DOUBLE TWIN TUBE	E	EMERGENCY
(E)	EXISTING	EL	ELECTRICAL CONTRACTOR
EL	ELECTRICAL CONTRACTOR	EL	EMERGENCY LIGHT
F	FUSE	(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL	G/NGD	GROUND
GFI	GROUND FAULT CIRCUT INTERRUPTER	GFI	GROUND FAULT CIRCUT INTERRUPTER
GFI	GROUND FAULT CIRCUT INTERRUPTER	HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE	HOA	HAND-OFF-AUTO
HPS	HIGH PRESSURE SODIUM	HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IG	ISOLATED GROUND	IPCO	IDAHO POWER COMPANY
J-BOX	JUNCTION BOX	KA	KILOAMP
KVA	KILO VOLT-AMP	KW	KILOWATT
KWH	KILOWATT HOUR	LCP	LIGHTING CONTROL PANEL
MB	MAIN BREAKER	MBC	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER	MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY	MMC	MODULAR METERING CENTER
MSB	MAIN SWITCH BOARD	MTG	MOUNTING
N	NEUTRAL	(N)	NEW
(N)	NEW	NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE	NIC	NOT IN CONTRACT
NL	NIGHT LIGHT	NO	NORMALLY OPEN
NTS	NOT TO SCALE	OH	OVERHEAD
OS	OCCUPANCY SENSOR	OS	OCCUPANCY SENSOR
P	POLES	PC	PHOTO-CONTROL
PVC	POLYVINYL CHLORIDE	PWR	POWER
RE:	REFERENCE	REC	RECEPTACLE
(REC)	RELOCATED	SF	SQUARE FEET
TBD	TO BE DETERMINED	TR	TIME DELAY RELAY
TK	TOE KICK	TSP	TWISTED SHIELDED PAIR
TRT	TRIPLE TUBE	TTB	TELEPHONE TERMINAL BOARD
(TYP.)	TYPICAL	UC	UNDERCABINET
UG	UNDERGROUND	U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT	VA	VOLT-AMPERE
W	WATT	WG	WIRE GUARD
WP	WEATHER PROOF/NEMA 3R	PROVIDE/	PROVIDE AND INSTALL / PROVIDED AND
PROVIDE BY	INSTALLED BY / PROVIDED AND INSTALL	PROVIDE BY	INSTALLED BY / PROVIDED AND
INSTALL/	INSTALL	NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

# ELECTRICAL GENERAL NOTES

- THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL, MECHANICAL, AND PLUMBING DEVICES LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
  - ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
  - REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.
  - PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.
  - TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.
  - MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
  - ALL NON-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES PER NEC 406.12
- FIRE ALARM:**
- INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANEL(S) QUANTITY AS REQUIRED IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.

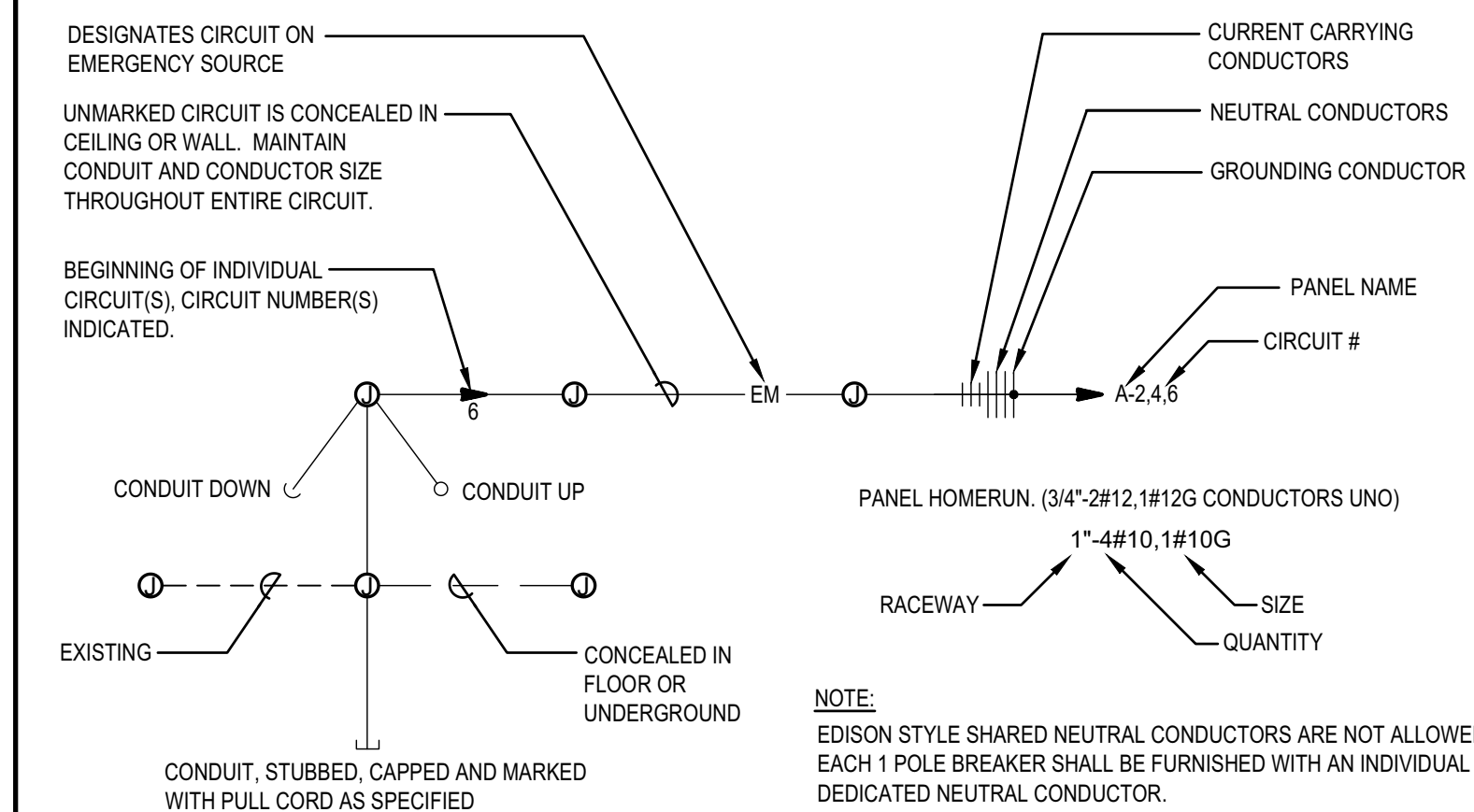
# SHEET INDEX

E0.0	ELECTRICAL COVER SHEET
E0.1	LIGHTING COMPLIANCE
E0.2	DEMOLITION PLANS
E1.0	FIRE ALARM PLAN
E2.0	INSTALLATION PLANS
E3.0	ELECTRICAL DETAILS AND SCHEDULES

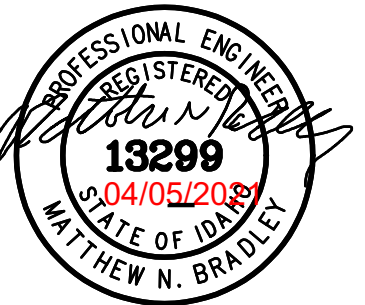
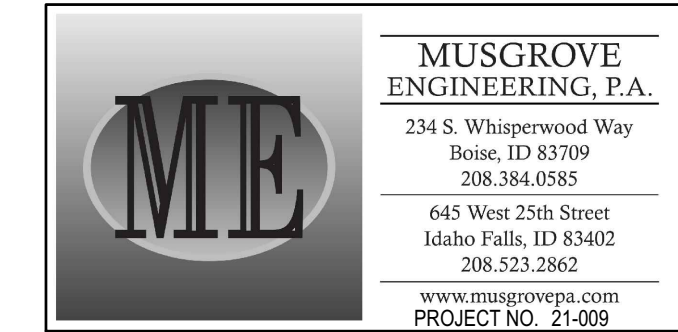
LEGEND IS GENERAL IN NATURE. NOT ALL OF THE SYMBOLS SHOWN ARE USED IN THIS PROJECT.

**Electrical Plan Review Note:**  
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's adopted codes, laws, standards, or rules. Final approval will be based upon on-site electrical inspections to field verify compliance.

# CIRCUITING SYMBOLS







**COMcheck Software Version 4.1.1.0**  
**Interior Lighting Compliance Certificate**

**Project Information**  
 Energy Code: 2018 IECC  
 Project Title: IDAHO STATE VETERANS HOME - SHOWER - DPW 21-603  
 Project Type: Alteration

Construction Site: 1957 ALVIN RICKEN DRIVE, POCATELLO, ID  
 Owner/Agent:  
 Designer/Contractor: MATTHEW N. BRADLEY, MUSGROVE ENGINEERING, 645 WEST 25TH ST, IDAHO FALLS, ID 83402, 208-523-2862, mattb@musgrovepa.com

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-SHOWER ROOM (Health Care-Clinic)	238	0.82	195
Total Allowed Watts =			195

**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)
SHOWER ROOM ( Health Care-Clinic 238 sq.ft.)				
LED 1: A: DAMP LOCATION: Other:	1	3	27	82
Induction 1: B: WALL SCENCE XENON LAMP: Other:	1	2	35	70
Total Proposed Watts =				152

**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 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

**ENERGY CODE COMMISSIONING COMPLIANCE NOTES**

SECTION 408 SYSTEM COMMISSIONING

IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY:

A. **AS-BUILT DRAWINGS** - DRAWINGS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MECHANICAL EQUIPMENT.

B. **OPERATING AND MAINTENANCE MANUALS** - MANUALS SHALL INCLUDE THE FOLLOWING:

- SUBMITTAL DATA ON ALL PIECES OF EQUIPMENT REQUIRING MAINTENANCE.
- MANUFACTURER'S OPERATIONS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
- NAME AND ADDRESS AND PHONE NUMBER OF AT LEAST ONE (1) SERVICE PROVIDED.
- LIGHTING CONTROL SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, EQUIPMENT AND SYSTEM SCHEMATICS, AND CONTROL SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING INSTRUCTIONS.
- A NARRATIVE ON HOW EACH LIGHTING SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C. **LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS**

FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
- CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
- CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

D. **FINAL LIGHTING SYSTEM FUNCTIONAL REPORT** - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL REPORT" SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:

- LIST OF FUNCTIONAL TESTS USED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT.
- RESULTS OF ALL FUNCTIONAL TESTS ON ALL PIECES OF EQUIPMENT.
- LIST OF DEFICIENCIES FOUND AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF EQUIPMENT.
- LIST OF EQUIPMENT NOT ABLE TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL FUNCTIONALLY TESTED ONCE CLIMATE CHANGES ALLOW.

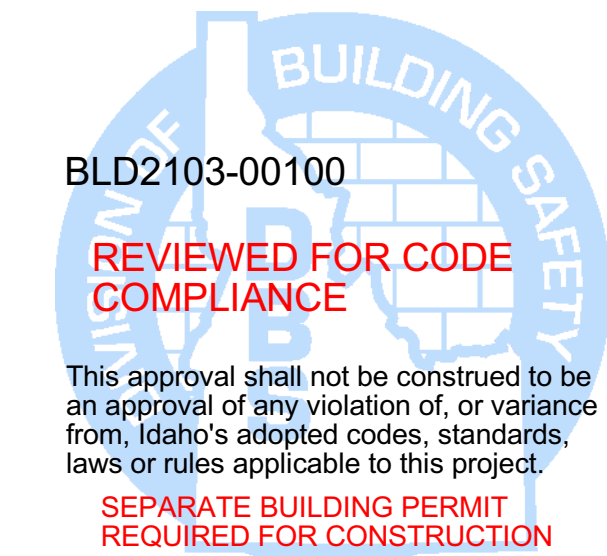
**nbw architects p.a.**  
 ARCHITECTURE / PLANNING / INTERIORS  
 SCOTT L. NELSON, A.I.A., KEVIN R. BODILY, A.I.A., JAMES H. WYATT, A.I.A.  
 900 JOHN ARHNS PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212  
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DPW PROJECT NO. 20-603  
**IDVS: REMODEL STAFF LOUNGE VET-P**  
 IDAHO STATE VETERANS HOME  
 1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO  
 LIGHTING COMPLIANCE

REVISIONS

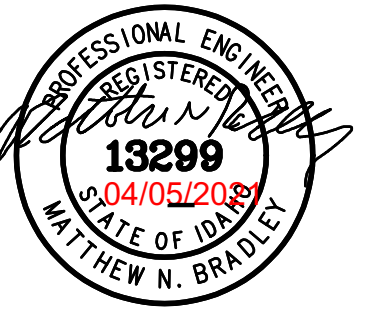
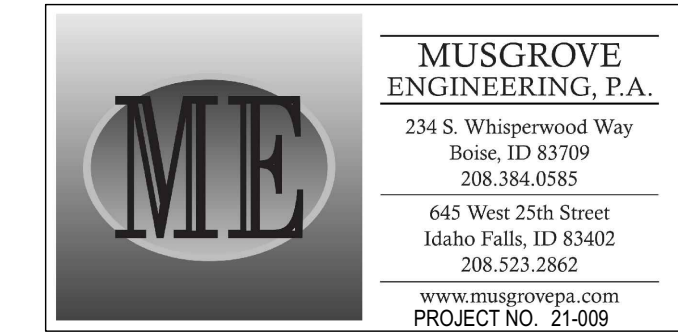

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 DATE: MARCH 2021  
 DRAWN BY: DBH  
 CHECKED BY: MNB

DRAWING NO.:



**E0.1**





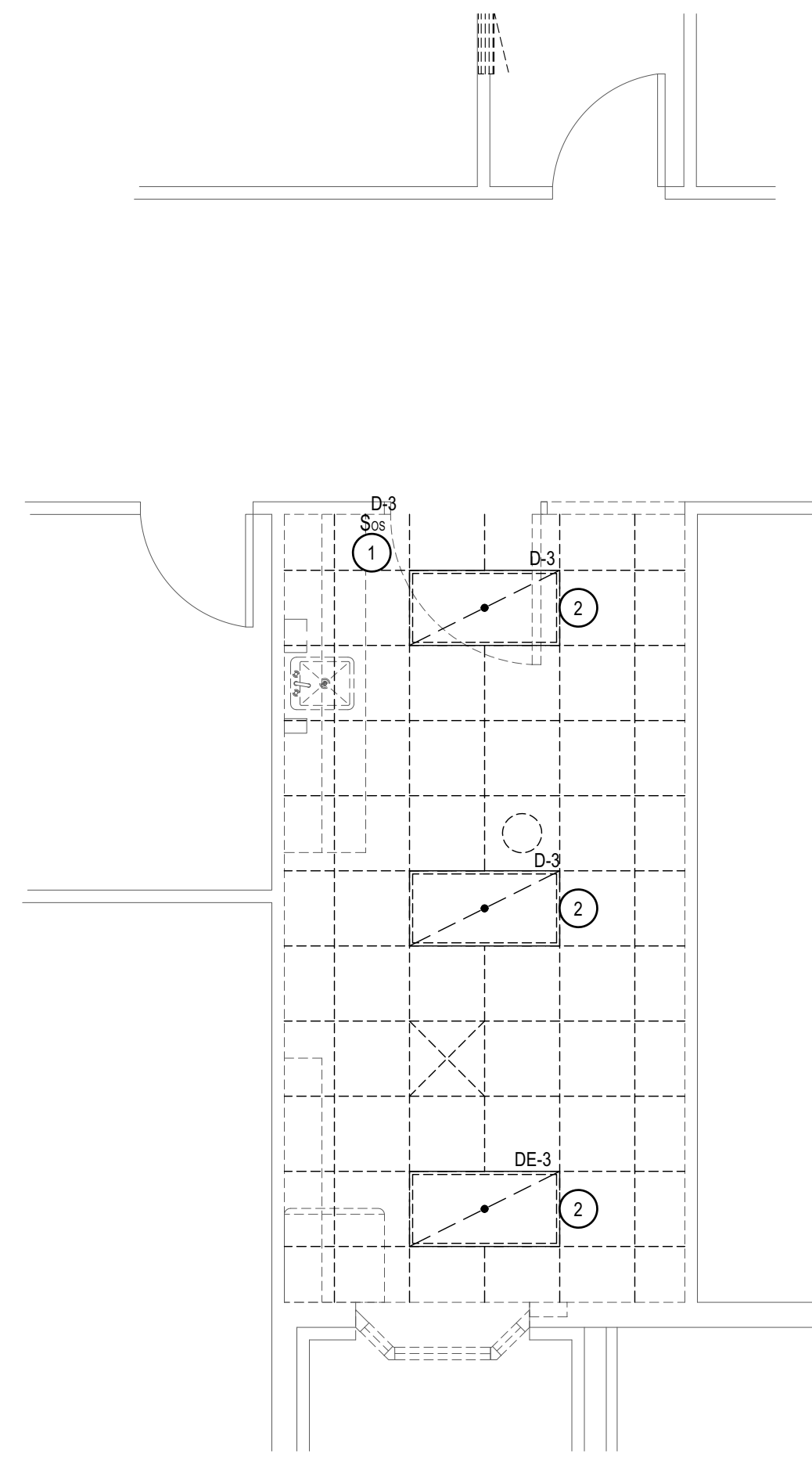
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**GENERAL NOTES:**

- A. THIS DEMOLITION DRAWING IS INTENDED TO ASSIST THE ELECTRICAL CONTRACTOR IN ESTABLISHING AREAS REQUIRING DISCONNECTION, REMOVAL OR RELOCATION OF ELECTRICAL EQUIPMENT, OUTLETS, WIRING, DEVICES, FIXTURES, ETC. AND MAY NOT INDICATE ALL, OUTLETS, EXACT QUANTITIES OR EXTENT OF DEMOLITION AND RECONNECTION WHICH MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY EXAMINE ALL REQUIRED DEMOLITION WORK AND INCLUDE ALL LABOR AND INCIDENTALS WHICH MAY BE NECESSARY TO PERFORM DEMOLITION RECONNECTION AND TEMPORARY POWER CONNECTIONS IN THE BID.
- B. ALL EXISTING WALLS AND DEVICES TO REMAIN U.N.O.

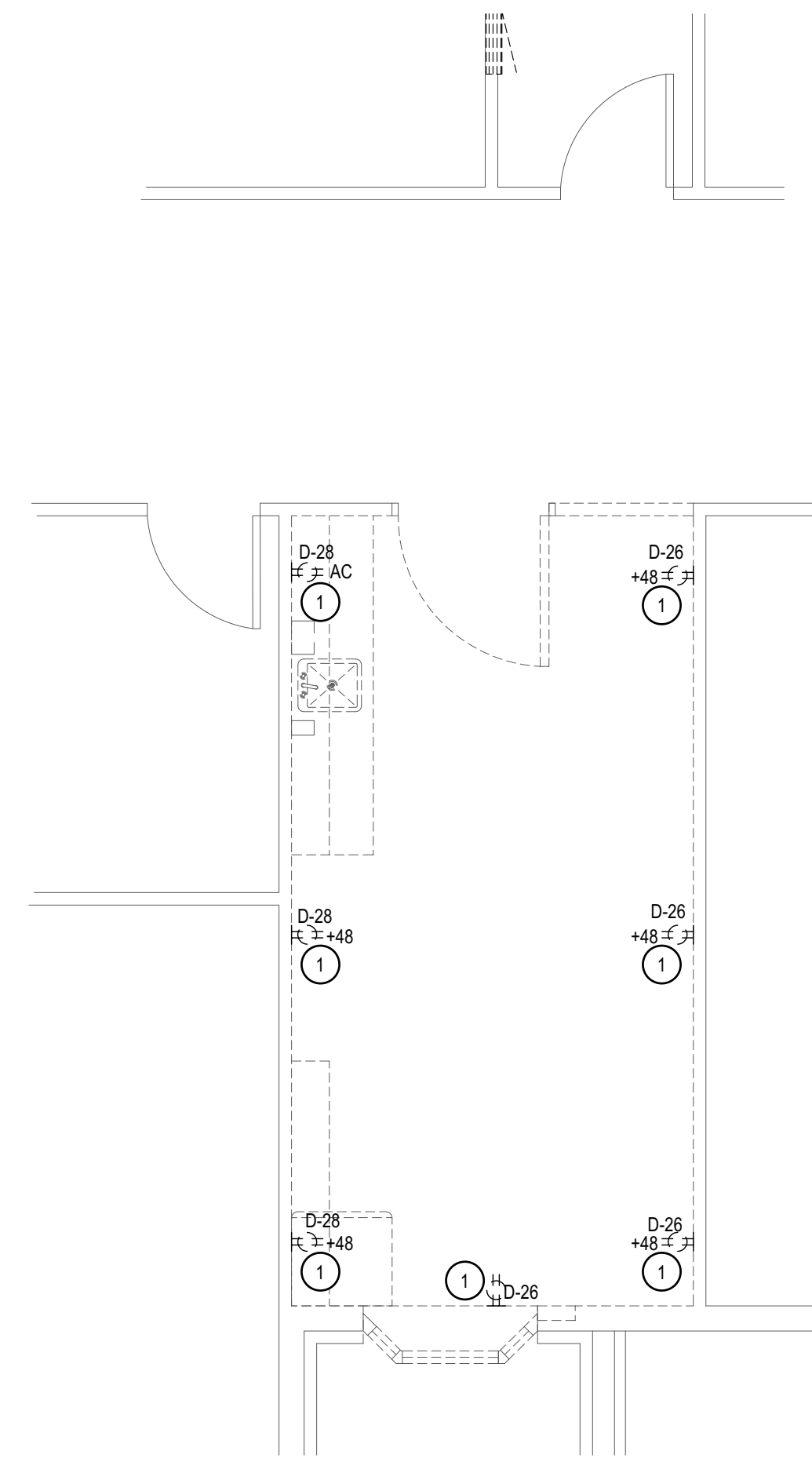
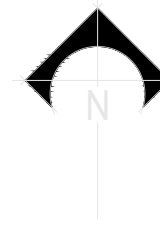
**KEYED NOTES:**

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. EXISTING DEVICES TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 2. EXISTING LIGHT FIXTURE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING NETWORK CABLES TO BE PULLED OUT OF WALL AND LEFT ABOVE CEILING.



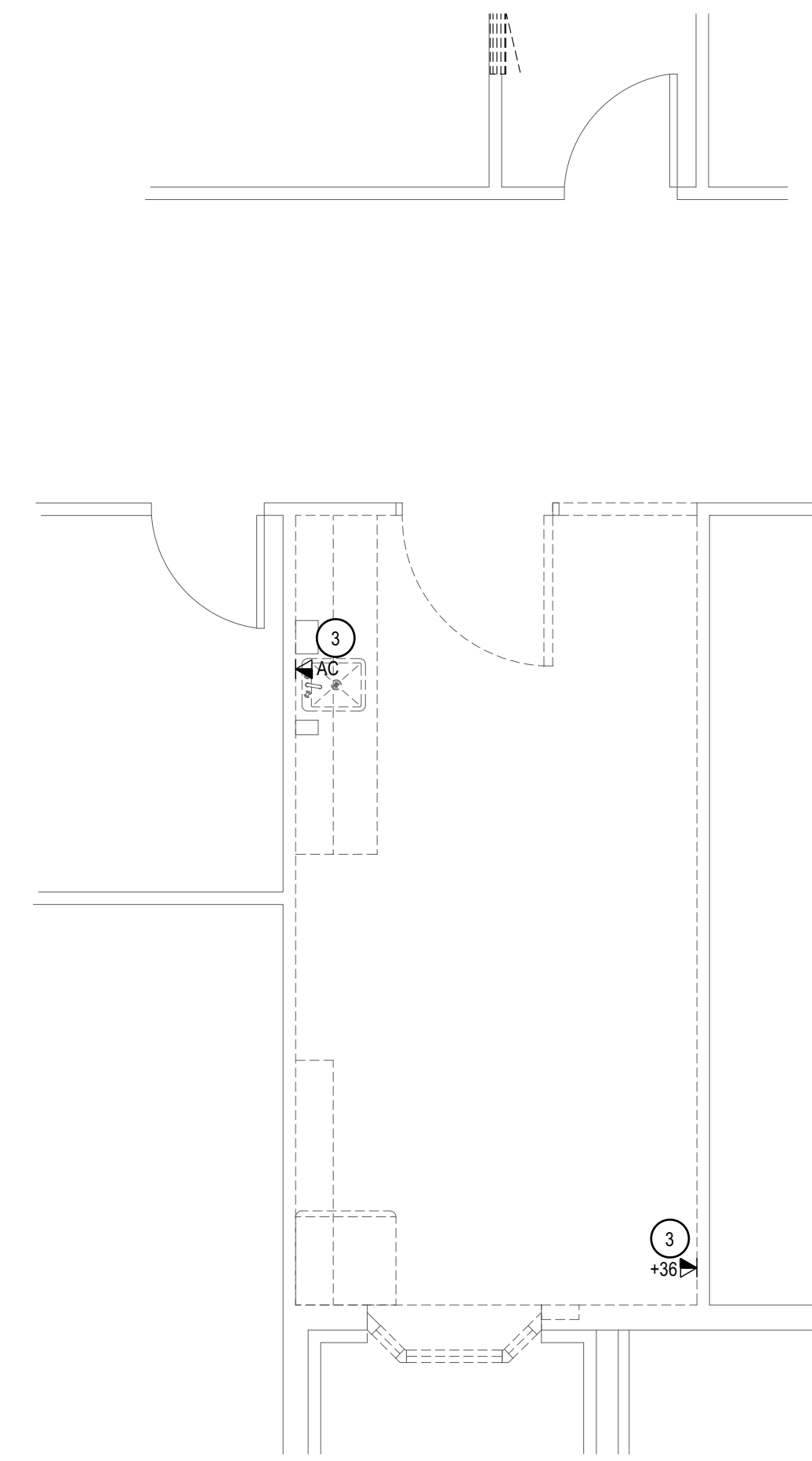
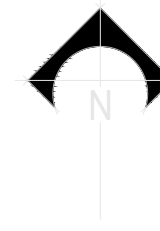
**STAFF LOUNGE LIGHTING DEMOLITION PLAN**

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



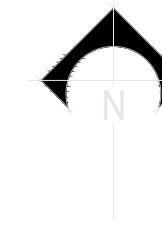
**STAFF LOUNGE POWER DEMOLITION PLAN**

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



**STAFF LOUNGE SPECIAL SYSTEMS DEMOLITION PLAN**

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



DPW PROJECT NO. 20-603

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 IDAHO STATE VETERANS HOME  
 1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

DEMOLITION PLANS

PROJECT:

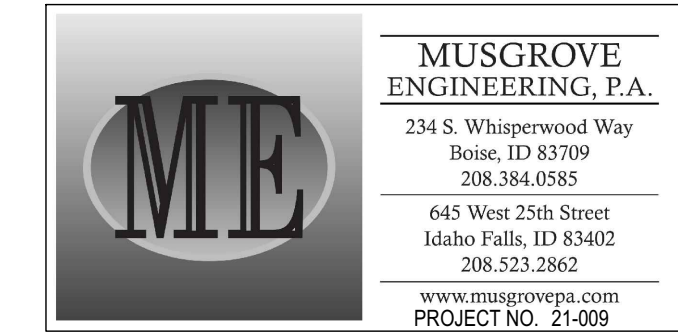
NO.	REVISIONS

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 DRAWN BY: DBH  
 CHECKED BY: MNB  
 DRAWING NO.:



**DE1.0**

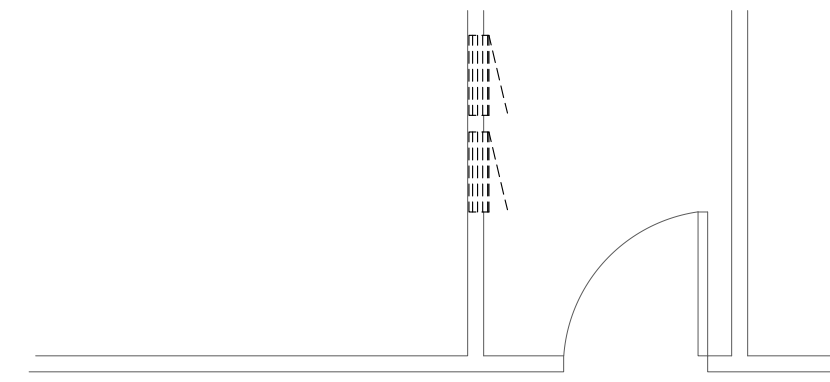




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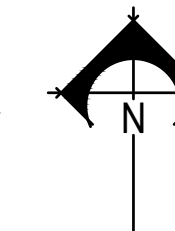
**KEYED NOTES:**

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. INSTALL NEW FIRE ALARM STROBE. EXISTING FIRE ALARM SYSTEM MONITORED AND MAINTAINED BY FSI 800-866-3640.



**SHOWER ROOM FIRE ALARM INSTALLATION PLAN**

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



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1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

FIRE ALARM PLAN

REVISIONS


NO.	DATE	DESCRIPTION

PROJECT NO.: 19027  
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DRAWN BY: DBH  
CHECKED BY: MNB

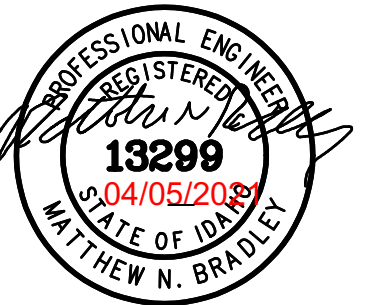
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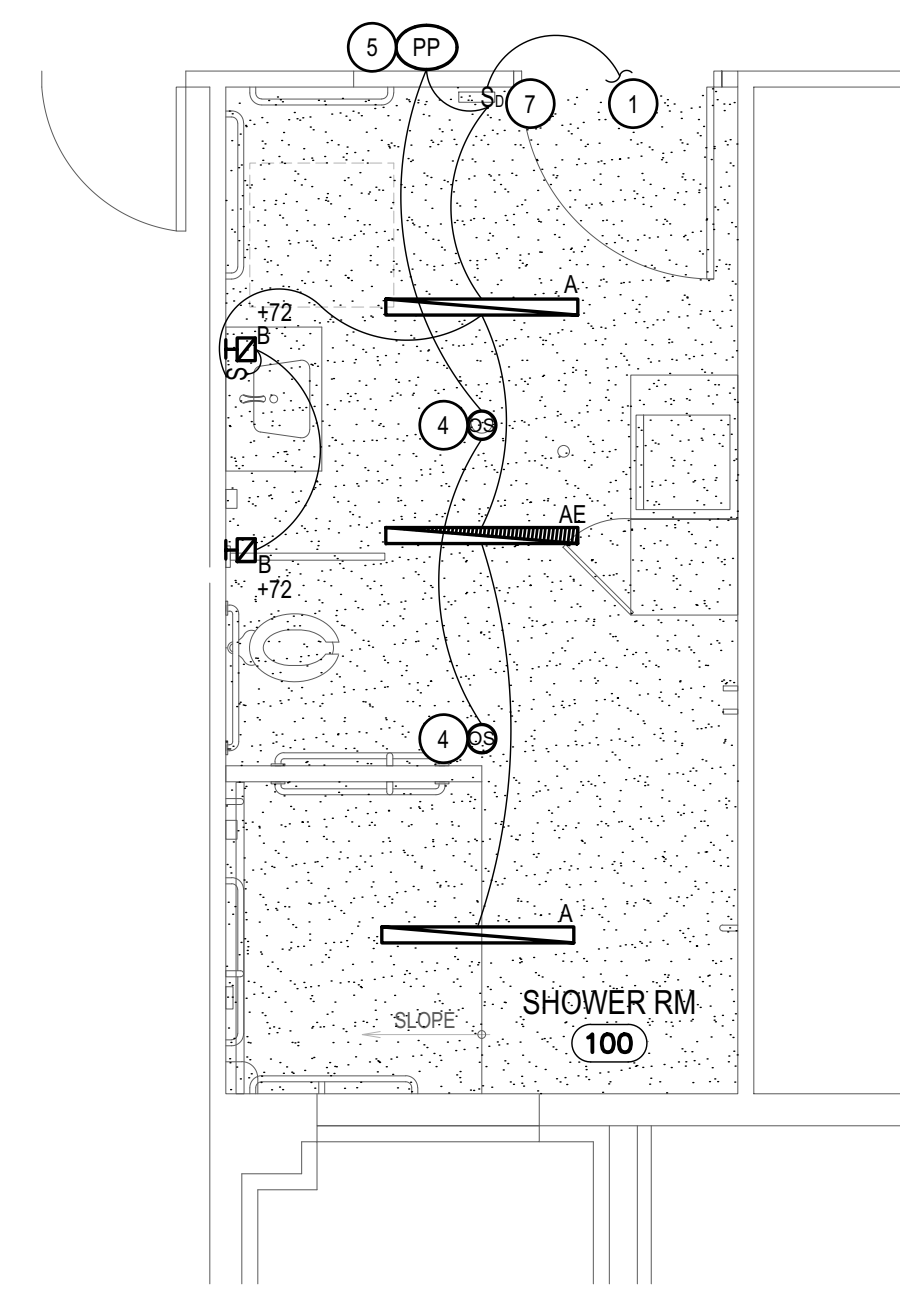
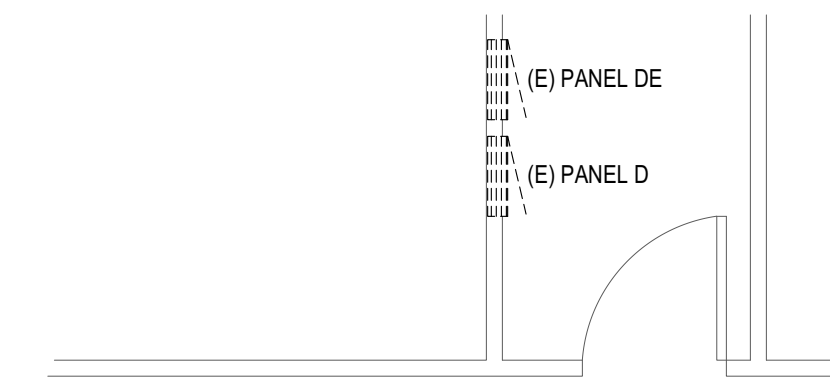
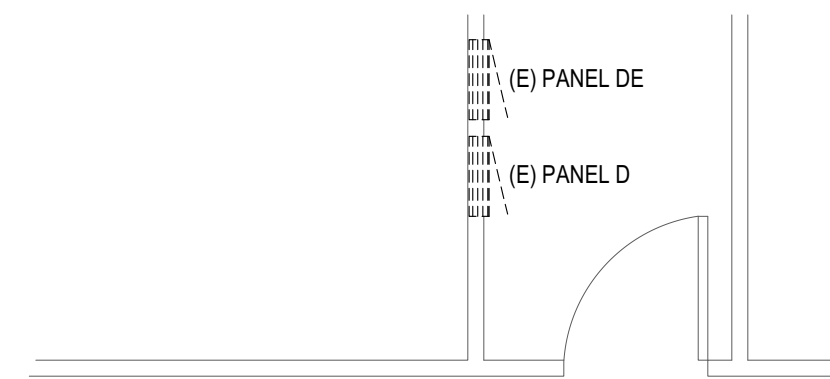
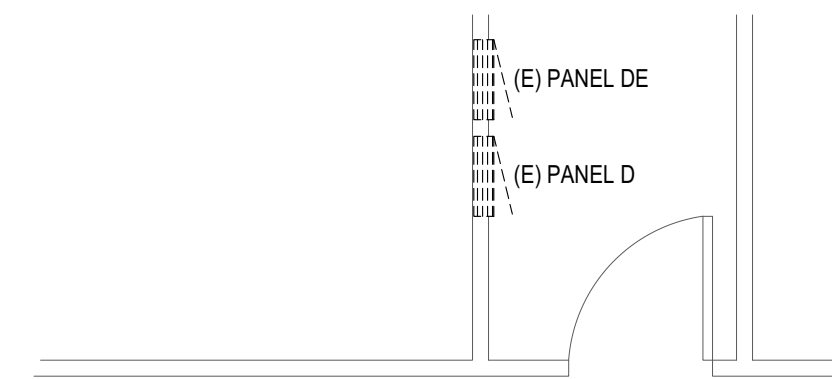
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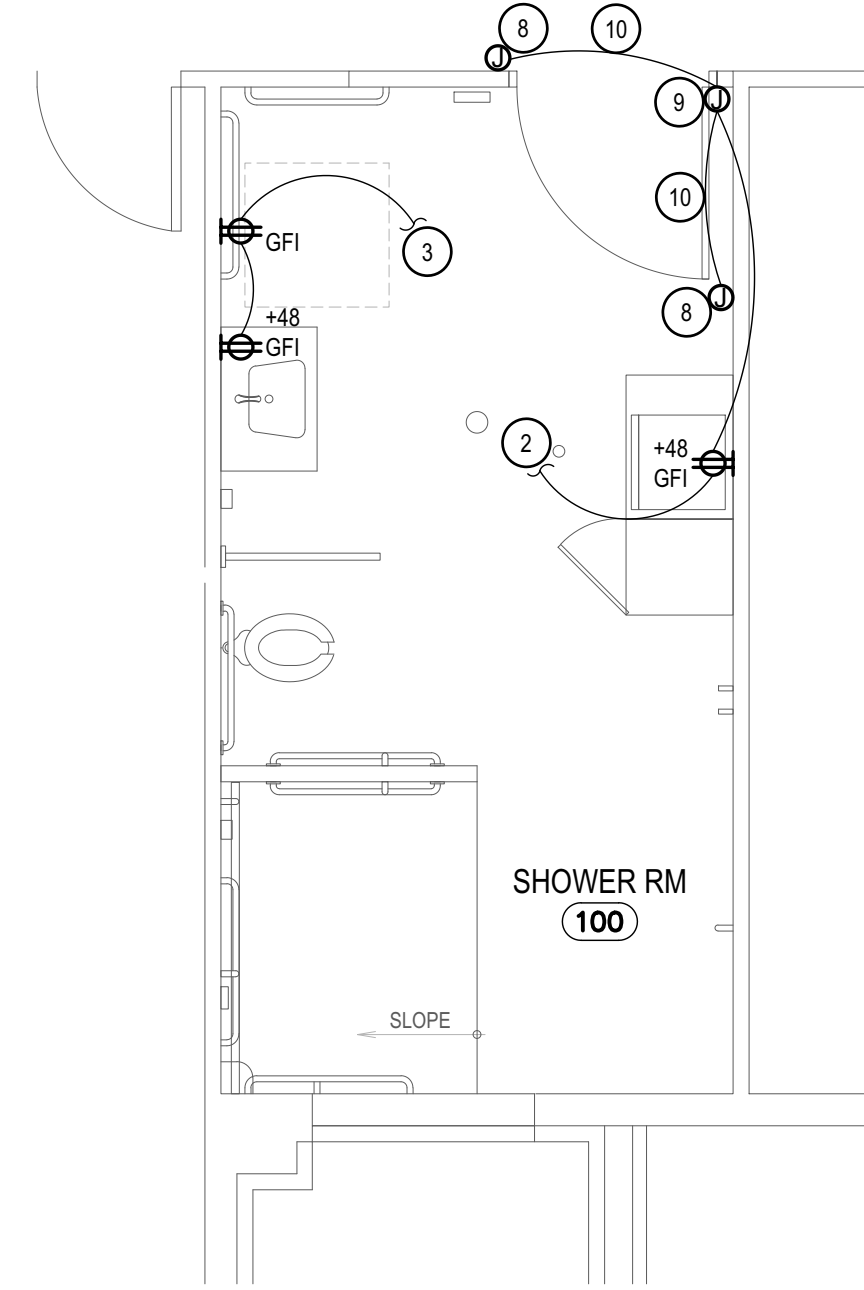
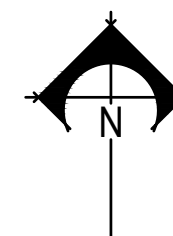
**KEYED NOTES:**

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. TO EXISTING LIGHT CIRCUIT DE-3 THIS AREA.
- 2. TO EXISTING POWER CIRCUIT D-26 THIS AREA.
- 3. TO EXISTING POWER CIRCUIT D-28 THIS AREA.
- 4. INSTALL OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, LOW VOLTAGE, SMALL MOUNT SENSOR SWITCH CM-POT-9 OR EQUAL.
- 5. INSTALL LOW VOLTAGE OCCUPANCY SENSOR POWER PACK SENSOR SWITCH PP16 OR EQUAL.
- 6. EXISTING RAUHLIND RCARE NURSE CALL SYSTEM IS MAINTAINED BY MARSHAL INDUSTRIES. ELECTRICAL CONTRACTOR SHALL INCLUDES MARSHAL INDUSTRIES AS SUBCONTRACTOR FOR INSTALLATION OF THIS EQUIPMENT. CONTACT KARA JONES 1208-812-2252 FOR QUOTE.
- 7. INSTALL 0-10V DIMMER WITH 0-10 V CONDUCTORS TO ALL LIGHTS CONTROLLED BY THIS SWITCH.
- 8. INSTALL JUNCTION BOX FOR ADA OPERATOR PUSHBUTTON AT 48" TO TOP OF PUSHBUTTON. VERIFY INSTALLATION WITH OPERATOR INSTALLATION MANUAL.
- 9. INSTALL BRANCH CIRCUIT TO ADA DOOR OPERATOR. VERIFY INSTALLATION WITH OPERATOR INSTALLATION MANUAL.
- 10. 1/2" BETWEEN DOOR OPERATOR AND PUSHBUTTONS WITH LOW VOLTAGE CABLE.



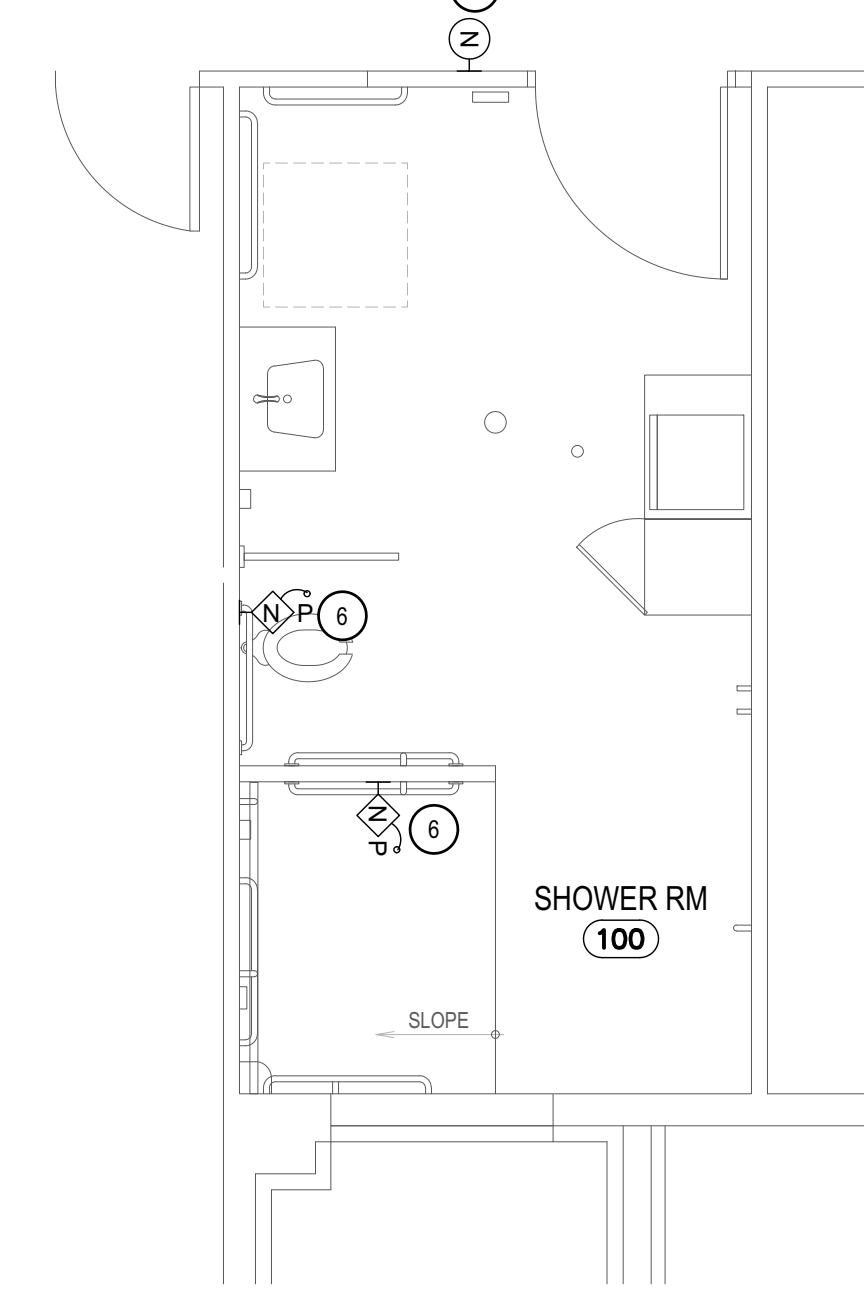
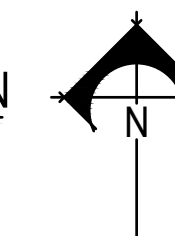
STAFF LOUNGE LIGHTING INSTALLATION PLAN

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



STAFF LOUNGE POWER INSTALLATION PLAN

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



STAFF LOUNGE SPECIAL SYSTEMS INSTALLATION PLAN

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



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**IDVS: REMODEL STAFF LOUNGE VET-P**

IDAHO STATE VETERANS HOME

1957 ALVIN RICKEN DRIVE - POCATELLO, IDAHO

INSTALLATION PLANS

PROJECT:

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.:

19027

DATE:

MARCH 2021

DRAWN BY:

DBH

CHECKED BY:

MNB

DRAWING NO.:



BLD2103-00100

**REVIEWED FOR CODE COMPLIANCE**

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

**SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION**

**E2.0**



