

PROJECT TITLE: KOLB WAREHOUSE

PROJECT LOCATION:

TBD W HWY 53

RATHDRUM ID 83858

OWNER: K & SONS DEV

(360) 561-5174

damienj.kolb@gmail.com

ARCHITECT: PAUL MATTHEWS, PLLC

8052 W MAIN STREET #201

RATHDRUM ID 83858

(208) 687-0300

pmarchitects@frontier.com

ENGINEER: REEVE & ASSOCIATES, INC

5160 S 1500 W RIVERDALE UTAH 84405

(801) 621-3100

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S1.0 STRUCTURAL NOTES

S2.0 FOUNDATION PLAN

S3.0 FOUNDATION DETAILS

*ALSO REFER TO PRE-ENGINEERED

METAL BUILDING PACKAGE BY

WASATCH STRUCTURES ENGINEERING (7-22-25)

PROJECT DATA

CONSTRUCTION TYPE: VB

BUILDINGS IS UNSPRINKLERED

OCCUPANCY S1

MAXIMUM ALLOWABLE AREA 9,000

AREA PROVIDED 4,800 SF

MAXIMUM TRAVEL DISTANCE TO EXIT ALLOWED 300'

MAXIMUM PROVIDED 33'

OCCUPANT LOAD = $4,800 / 500 = 10$

NUMBER OF EXITS REQUIRED = 1

NUMBER OF EXITS PROVIDED = 4

NOTE ALL EXITS SHALL COMPLY WITH IBC 1010.1.1 - BE 36" WIDE WITH HC THRESHOLD &

LEVER HANDLE HARDWARE WITH EXTERIOR CONCRETE LANDING PER IBC 1010.1.5&

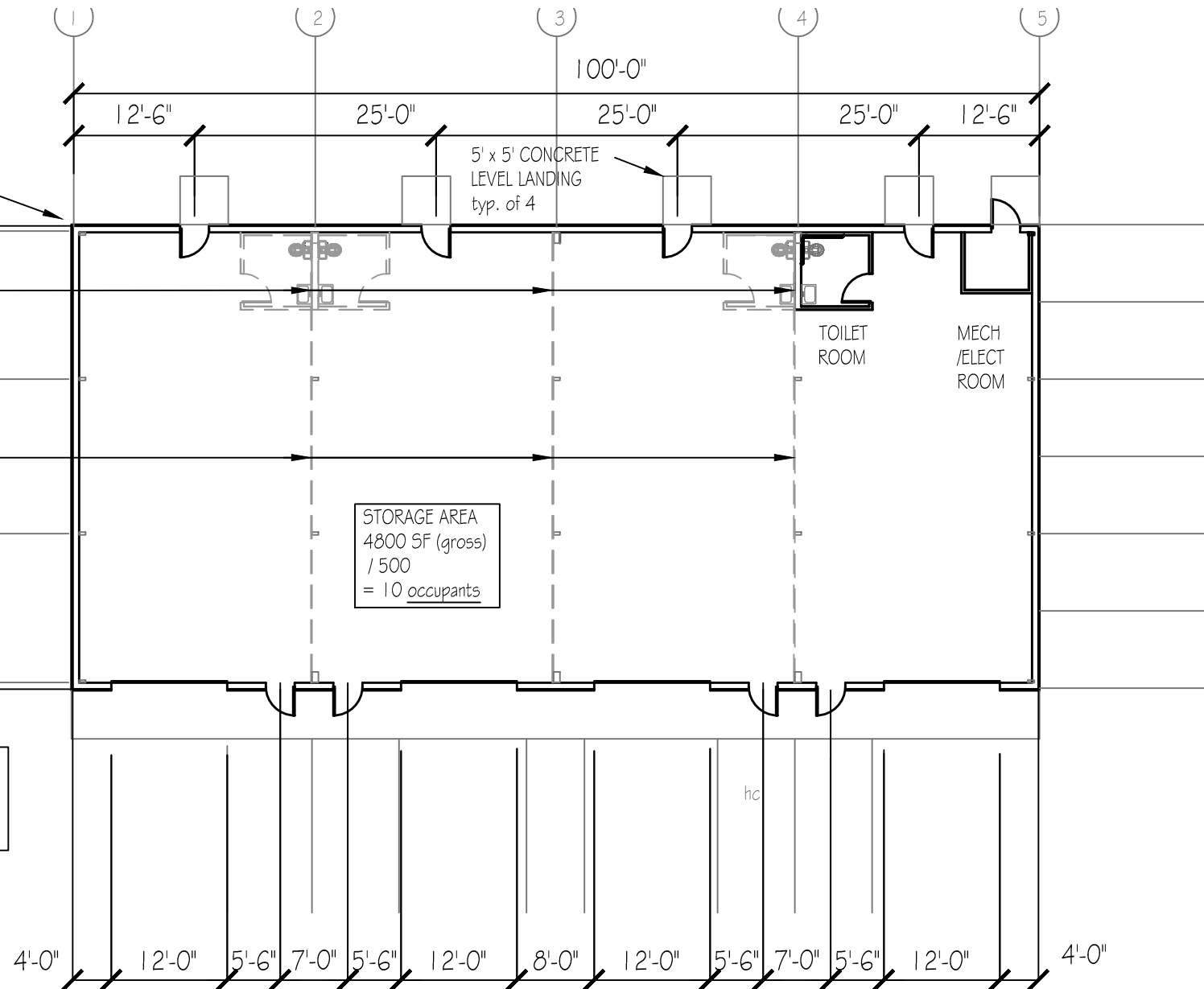
ILLUMINATED COMBINATION EXIT AND EGRESS LIGHT W/ BATTERY BACKUP

METAL BUILDING SYSTEM
W/ CONTINUOUS R-10
PERIMETER INSULATION
8" GIRTS & W/ ROOF INSULATION
(R-19 + R11 - L5) AND
WALL INSULATION
(R13 ci + R-13)

FUTURE TOILET ROOMS
NOT IN SCOPE OF WORK

FUTURE METAL
DEMISING PANELS
NOT IN SCOPE OF WORK

NOTE 5' wide exterior walkway
is at asphalt grade - refer to
approved SDP 23-0207
stalls shown for reference only



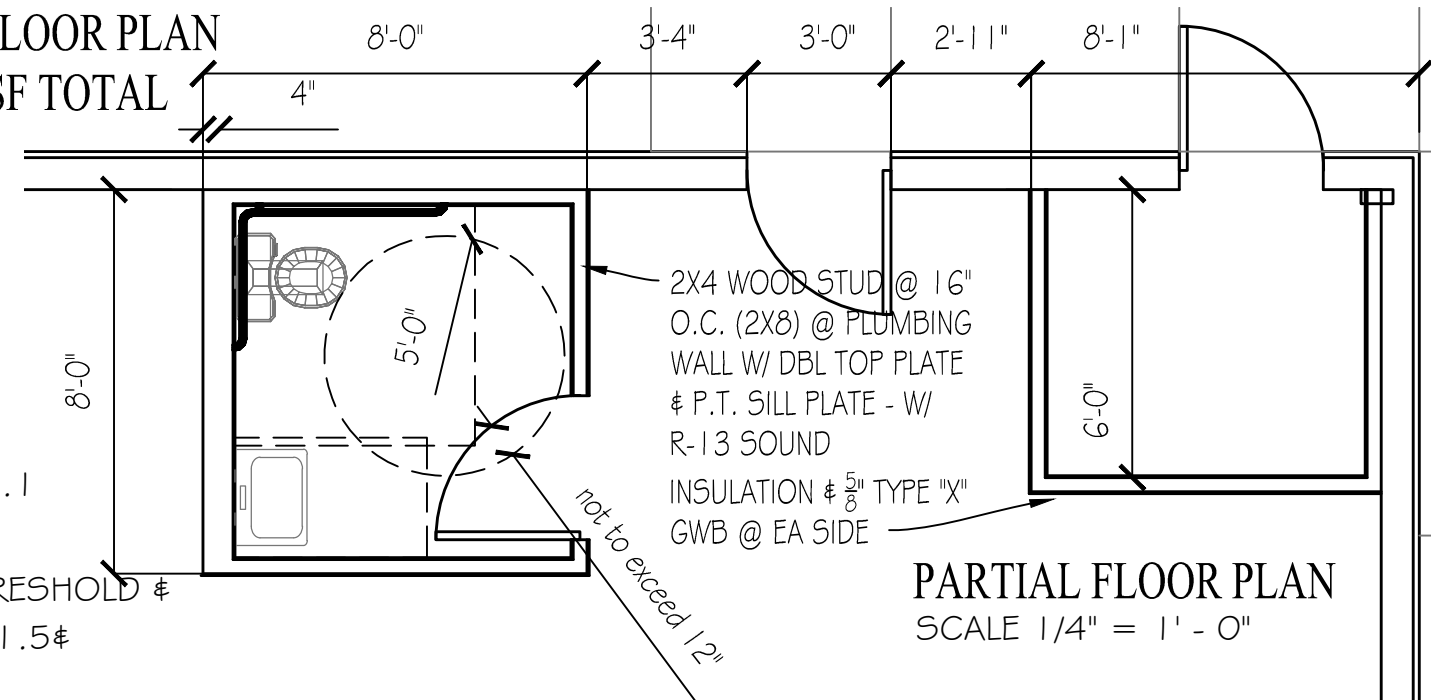
GROUND LEVEL REFERENCE FLOOR PLAN

SCALE 1/16" = 1' - 0"

4,800 SF TOTAL

APPLICABLE CODES:

- 2018 IBC
- 2018 IECC
- 2018 IMC
- 2018 IFGC
- 2021 IFC
- 2018 UPC
- 2017 ICC-ANSI 117.1



PARTIAL FLOOR PLAN

SCALE 1/4" = 1' - 0"

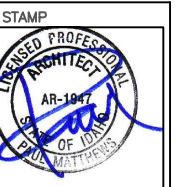
PROJECT NAME:
Kolb Warehouse

TBD W Hwy 53
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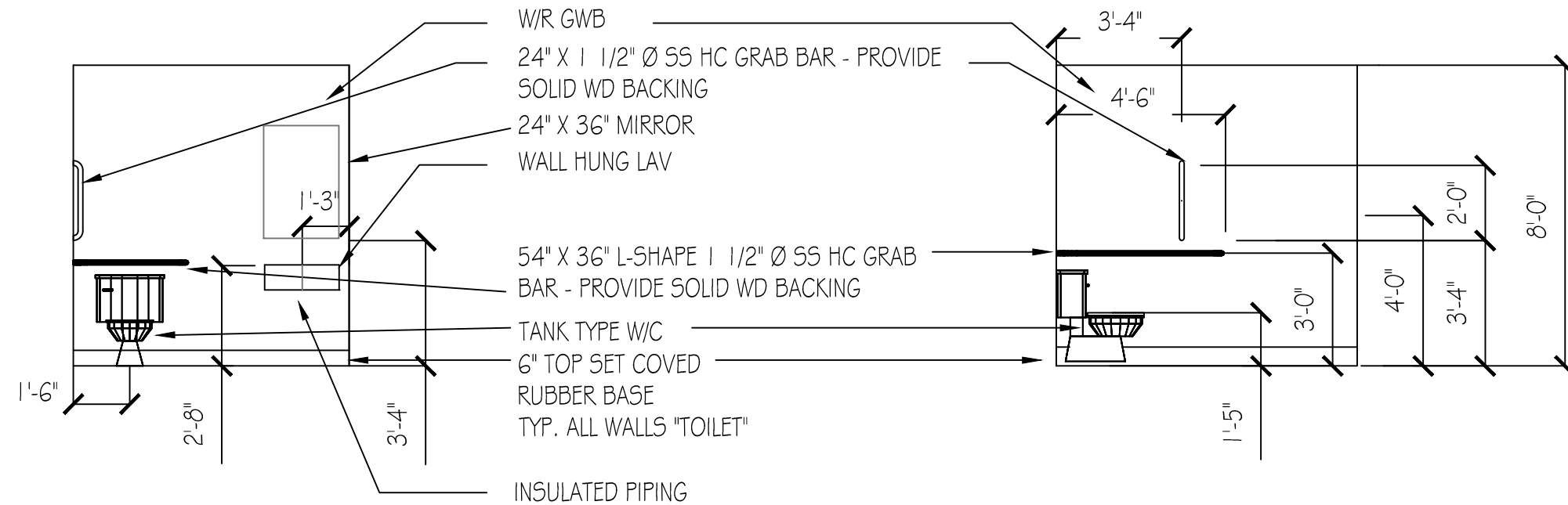


DATE 8/15/25
SCALE:
DRAWN BY:
CHECKED BY: PM

REVISIONS:

DRAWINGS:
Index to Drawings
Reference Plan
Enlarged Partial Plan
Notes

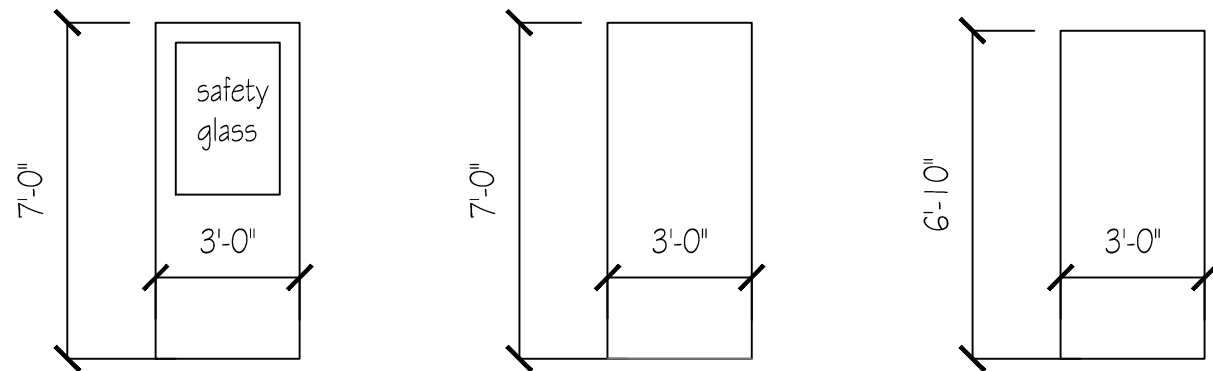
SHEET:
T-1



TYPICAL TOILET ROOM INTERIOR ELEVATIONS
SCALE 1/4" = 1' - 0"

IECC NOTES

1. ALL SECTIONAL DOORS AND MAN DOORS TO BE INSULATED (R-5/U.31 & R-3/U.37 RESPECTIVELY)
2. CONTINUOUS R-10 PERIMETER INSULATION EXTENDING 2' VERTICALLY DOWN STEMWALL OR THICKENED SLAB WITH PROTECTED EDGE
3. BUILDING IS NATURALLY VENTILATED
4. CAULK / SEAL/ GASKET ALL OPENINGS IN ENVELOPE - PROVIDE WEATHERSTRIPPING & GASKET @ INSULATED O.H. DOORS



(A) HM
HALF-GLASS
INSULATED
EXTERIOR
QTY 4

(B) HM
FLUSH
INSULATED
EXTERIOR
QTY 5

(C) SCWD
FLUSH
INTERIOR
QTY 1

DOOR TYPES

SCALE 1/4" = 1' - 0"

HARDWARE NOTES

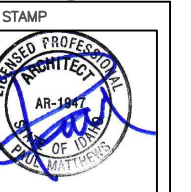
DOOR TYPE A
LEVER HANDLE LOCKSETS
- STOP HOLD OPEN
WEATHERSTRIPPING
HC THRESHOLD
DEADLOCK

DOOR TYPE B
CLOSER - STOP HOLD OPEN
LEVER HANDLE LOCKSET
WEATHERSTRIPPING
DOOR TYPE C
LEVER HANDLE LATCHSET
PRIVACY FUNCTION AT
TOILET ROOM

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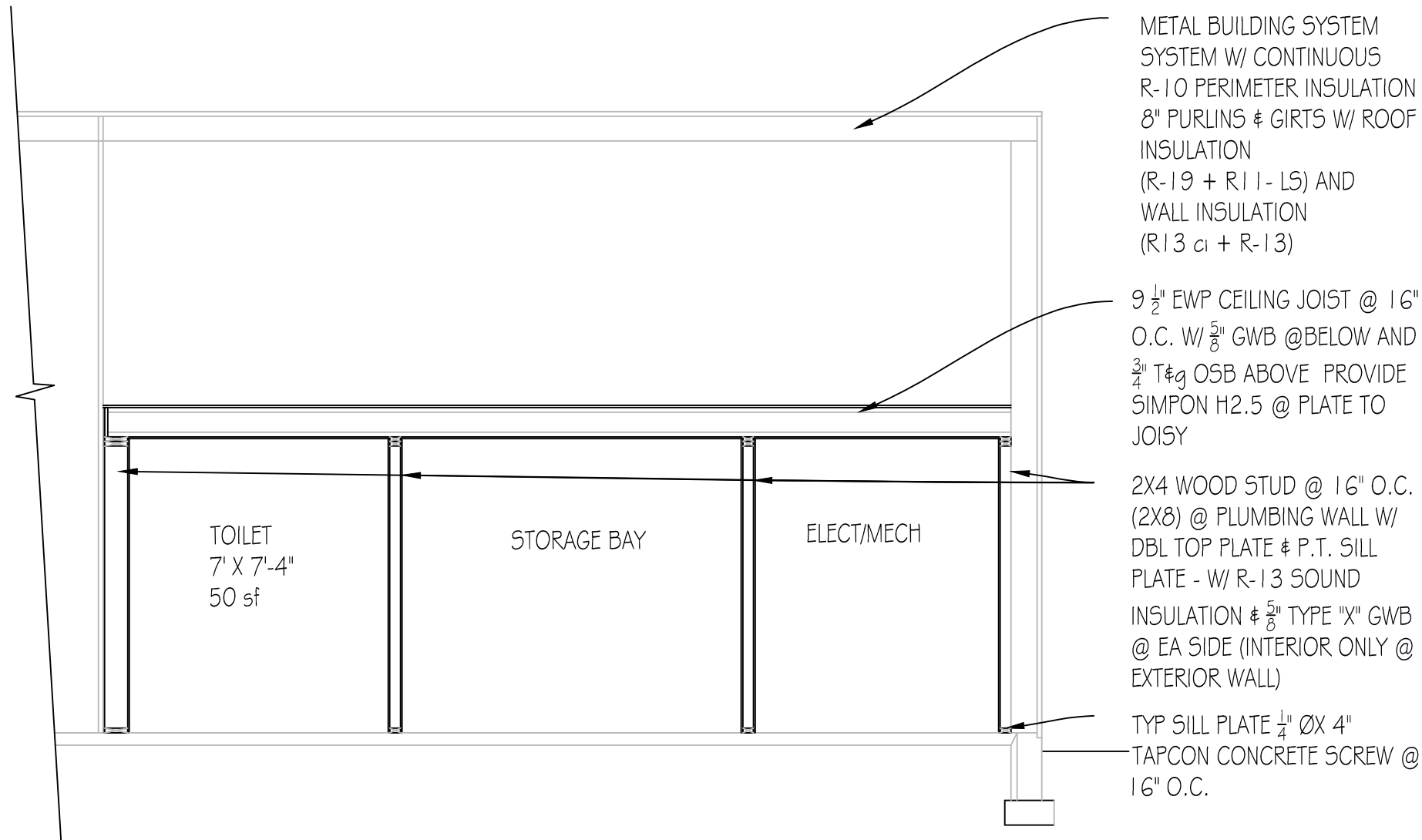
DATE 8/15/25
SCALE:
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REVISIONS:

DRAWINGS:
Interior Elevations

SHEET:

A-1



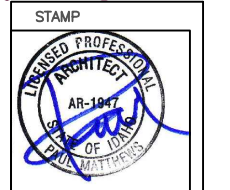
WALL SECTIONS THRU INTERIOR WALLS
SCALE 1/14" = 1' - 0"

GENERAL PLAN NOTES

- A. FIELD VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION, ANY DEVIATIONS ARE TO BE REPORTED TO THE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION
- B. ALL DIMENSIONS GIVEN ARE TO FACE OF STUD, OR EDGE OF ROUGH OPENING, UNLESS NOTED OTHERWISE
- C. ALL WORK SHALL BE IN STRICT COMPLIANCE WITH THE 2018 INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES
- D. PROVIDE SOLID WD BACKING AT NEW ALL DOOR STOP, TOILET ACCESSORY, CABINET AND LAVATORY LOCATIONS
- E. AT UNDIMENSIONED DOORS ADJACENT TO WALL - PROVIDE OFFSET SUFFICIENT FOR SELECTED HARDWARE TO CLEAR ADJACENT WALL (5" VERIFY)
- F. FLOOR FINISHES NOTE DESIGNATIONS ARE AS FOLLOWS CONC - CONCRETE BROOM FINISH @ EXTERIOR LANDINGS

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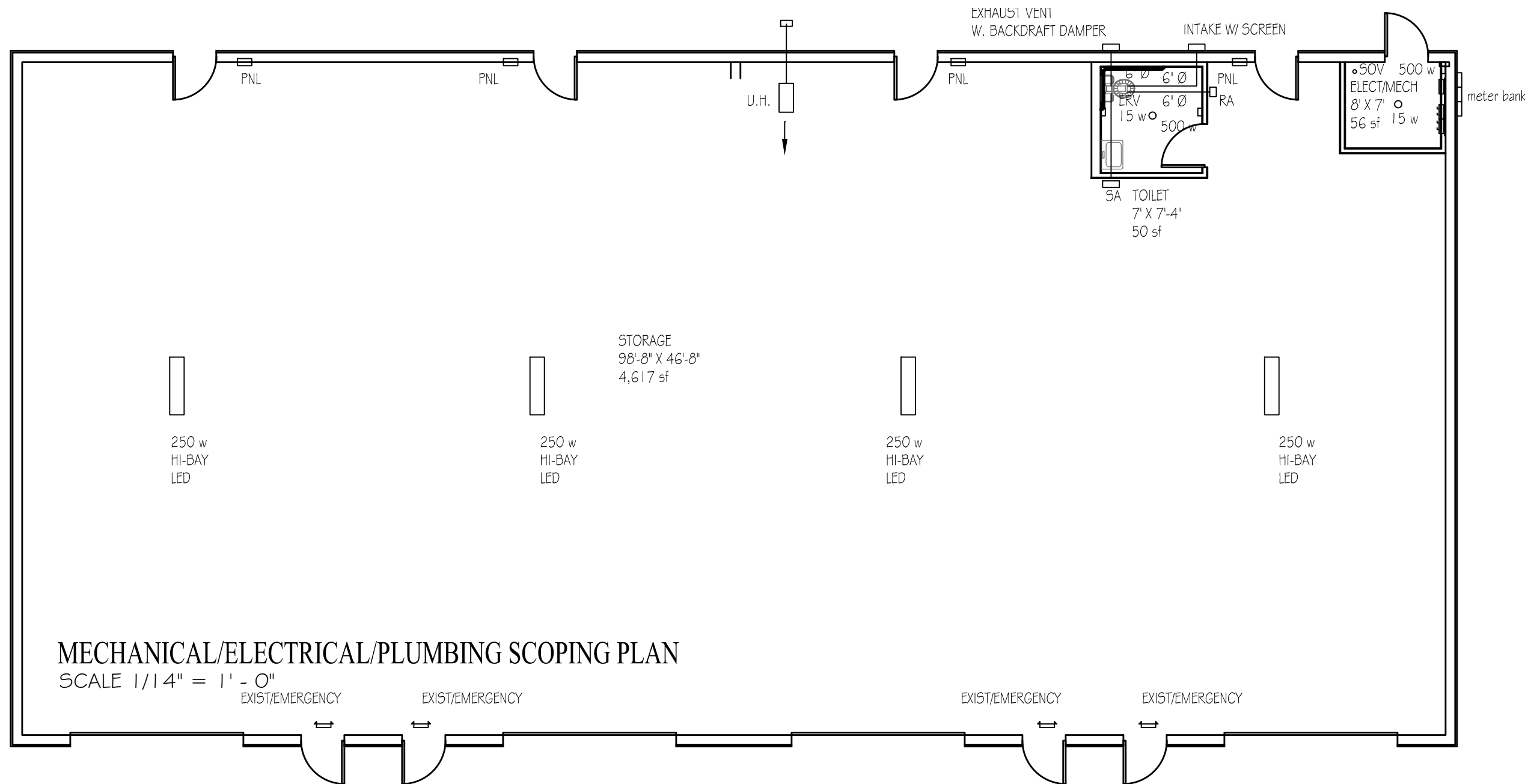


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REVISIONS:

DRAWINGS:
Wall Sections

SHEET:
A-2



MECHANICAL/ELECTRICAL/PLUMBING SCOPING PLAN

SCALE 1/14" = 1' - 0"

EXIST/EMERGENCY

EXIST/EMERGENCY

EXIST/EMERGENCY

EXIST/EMERGENCY

MECHANICAL SCOPING NOTES

1. (1) 60,000 BTU DIRECT VENT UNIT HEATER FOR FREEZE PROTECTION ONLY - PROVIDE STUB OUTS FOR TOTAL (3) ADDITIONAL (FUTURE) HEATERS
2. (1) PANASONIC 150 Elite (FV-15VE1S) ERV 150 CFM W/ 6" VENT @ TOILET ROOM FOR EXHAUST (BUILDING IS NATURALLY VENTILATED)
3. 1" DOMESTIC WATER SHUT-OFF VALVE LOCATION
4. POINT-OF SOURCE WATER HEATER AT LAV @ TOILET ROOM

ELECTRICAL LIGHTING SCOPING NOTES

1. INTERIOR LIGHTING SYSTEM TO CONSISTING OF (4) EXIT/EMERGENCY LIGHTS & (4) SAFETY-LEVEL HI-BAY LED'S W/ OCCUPANCY SENSORS AND MANUAL CONTROL OVERRIDE ALLOWING 50% REDUCTION & (1 EA) 15W LED "PUCK" FIXTURES @ TOILET & MECH ROOMS - OCCUPANCY SENSOR CONTROLLED
2. EXTERIOR LIGHTING SYSTEM TO BE (6) WALL PACKS WITH CUTOFF-SHROUDS - 1 @ EA ENTRY DOOR & (2) @ REAR OF BUILDING ON DUSK TO -DAWN SENSORS
3. TOTAL EGRESS LIGHTING POWER DENSITY NOT TO EXCEED 0.02 W/SQ. FT (240 W)

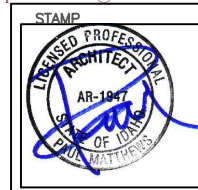
ELECTRICAL POWER SCOPING NOTES

1. 400 AMP ELECTRICAL SERVICE WITH (5) UNIT METER PACK - PROVIDE (1) 60A PANEL @ EA REAR DOOR & (1) 100A HOUSE AND ALL MAIN PANEL DISCONNECTS IN ELECTRICAL ROOM
2. PROVIDE (1 ea) 500 w ELECTRICAL RESISTANCE HEATER @ TOILET AND MECH ROOM & POWER FOR EXHAUST FAN @ & (1) gfci RECEPTACLE IN TOILET ROOM. PROVIDE DUPLEX RECEPTACLE IN MECH ROOM @ 4' X 4' F.R. ELECTRICAL PANEL -- COORDINATE WITH PUMP HOUSE ELECTRICAL REQUIREMENTS (TO BE SERVED BY HOUSE PANEL
3. PROVIDE CONVENIENCE RECEPTACLES AND OH.DOOR OPERATORS AS DIRECTED BY OWNER - PROVIDED (1) WP gfci RECEPTACLE @ MIDPOINT OF BLDG. ELEVATIONS \$ @ DOOR TO MECH ROOM - PROVIDE POWER AS REQUIRED TO

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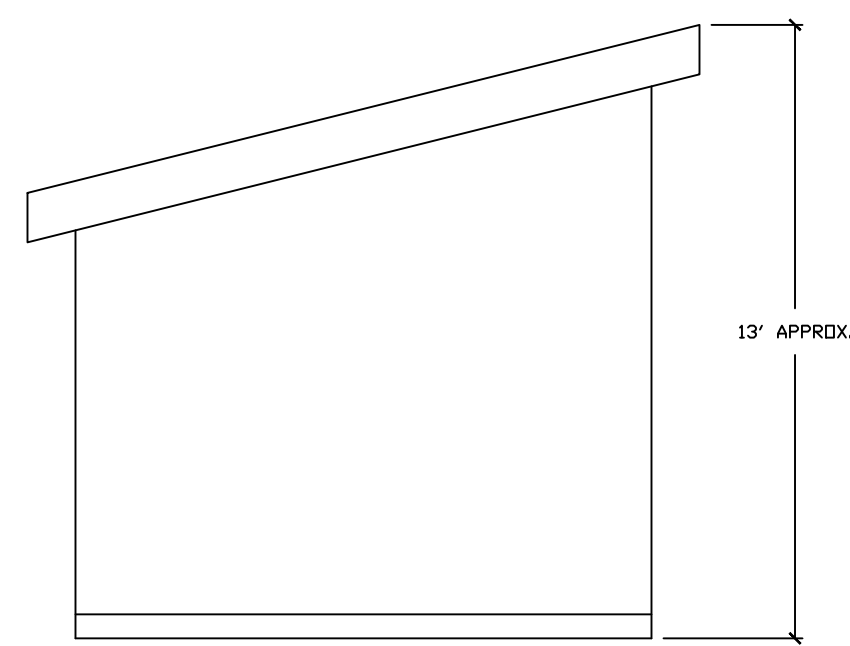


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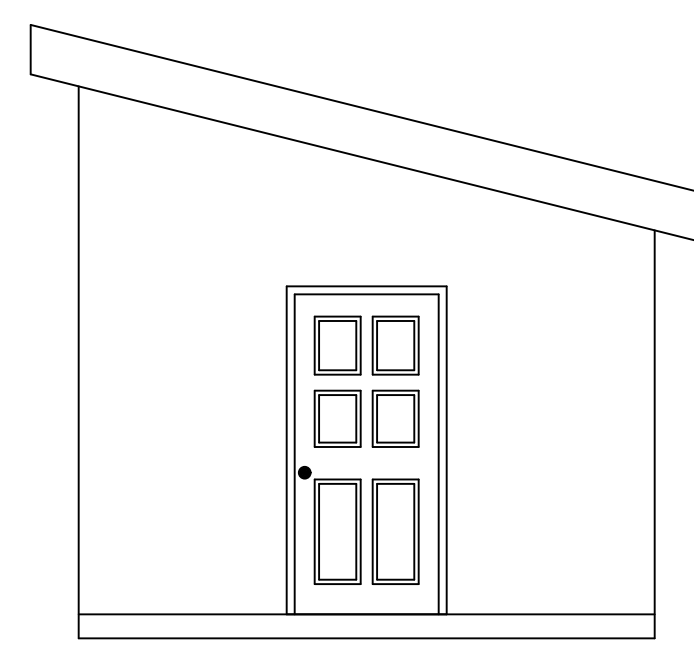
REVISIONS:

DRAWINGS:
 MPE Scoping Plan

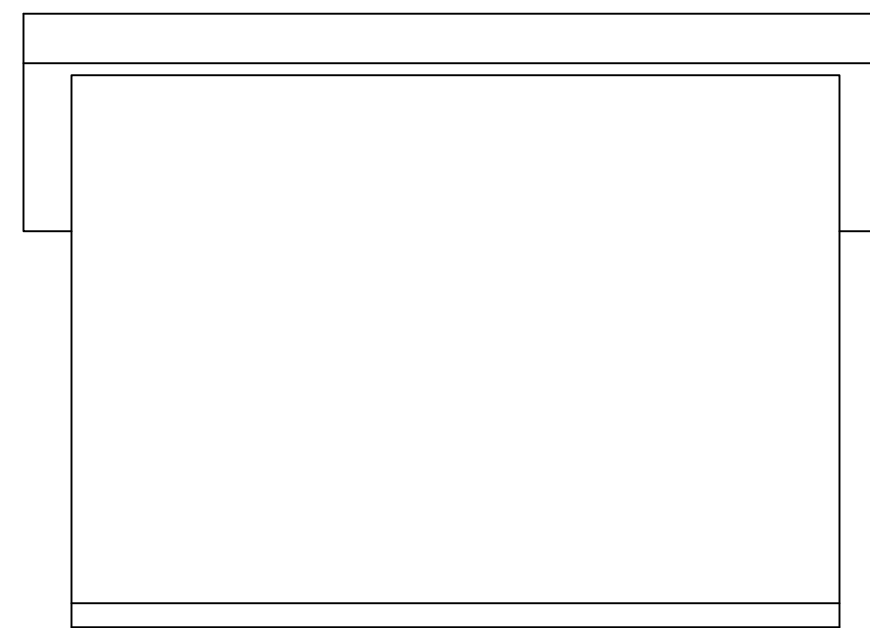
SHEET:
MPE - 1



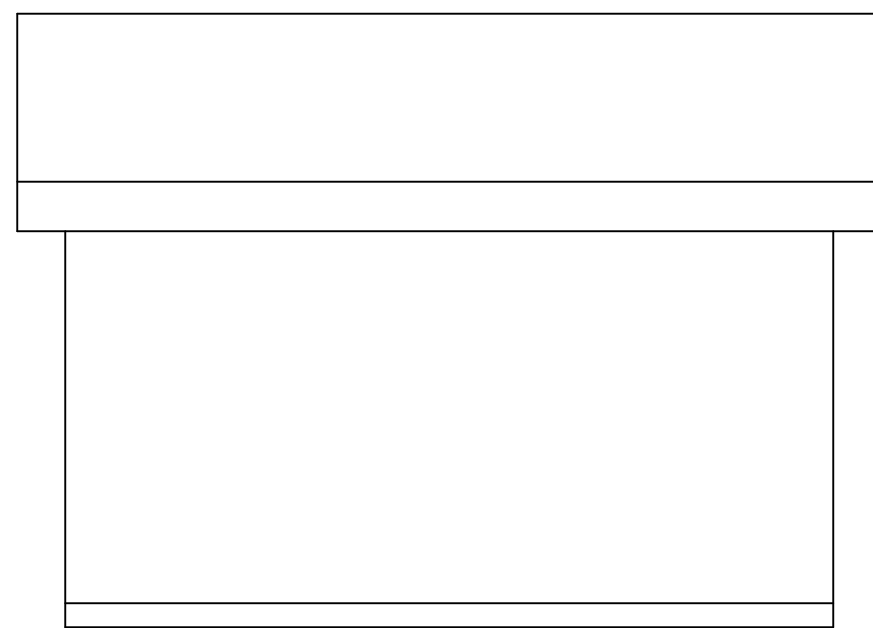
REAR ELEVATION



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

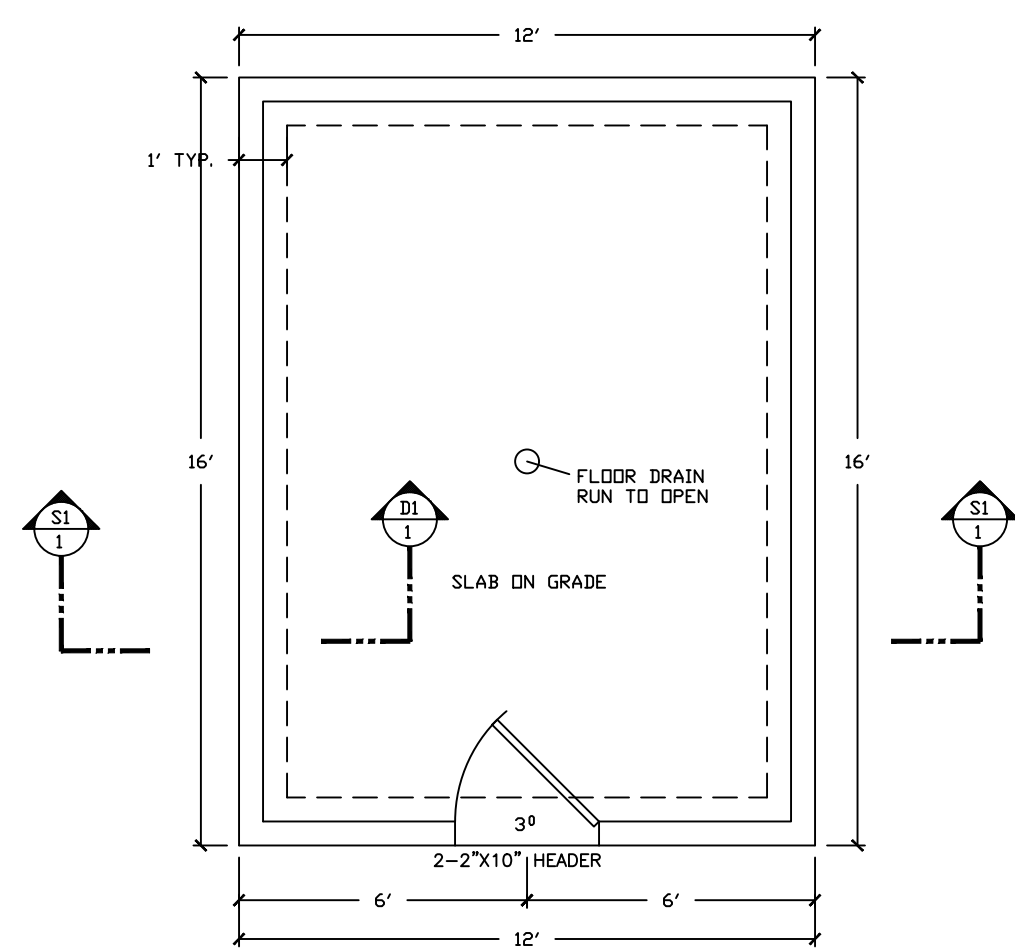
3/12 PITCH
 METAL ROOFING
 ROOFING SHALL BE FASTENED ACCORDING TO MANUFACTURER'S INSTRUCTIONS TO SOLIDLY SHEATHED ROOF
 ATTACH RAFTERS TO TOP PLATE W/ SIMPSON H2.5 HURRICANE ANCHORS.

NOTE: IF A HEAT SOURCE WILL BE USED MUST HAVE R-10 INSULATION 2' AROUND EXTERIOR OF CONCRETE AND R-21 IN WALLS AND 4-49 IN CEILING.

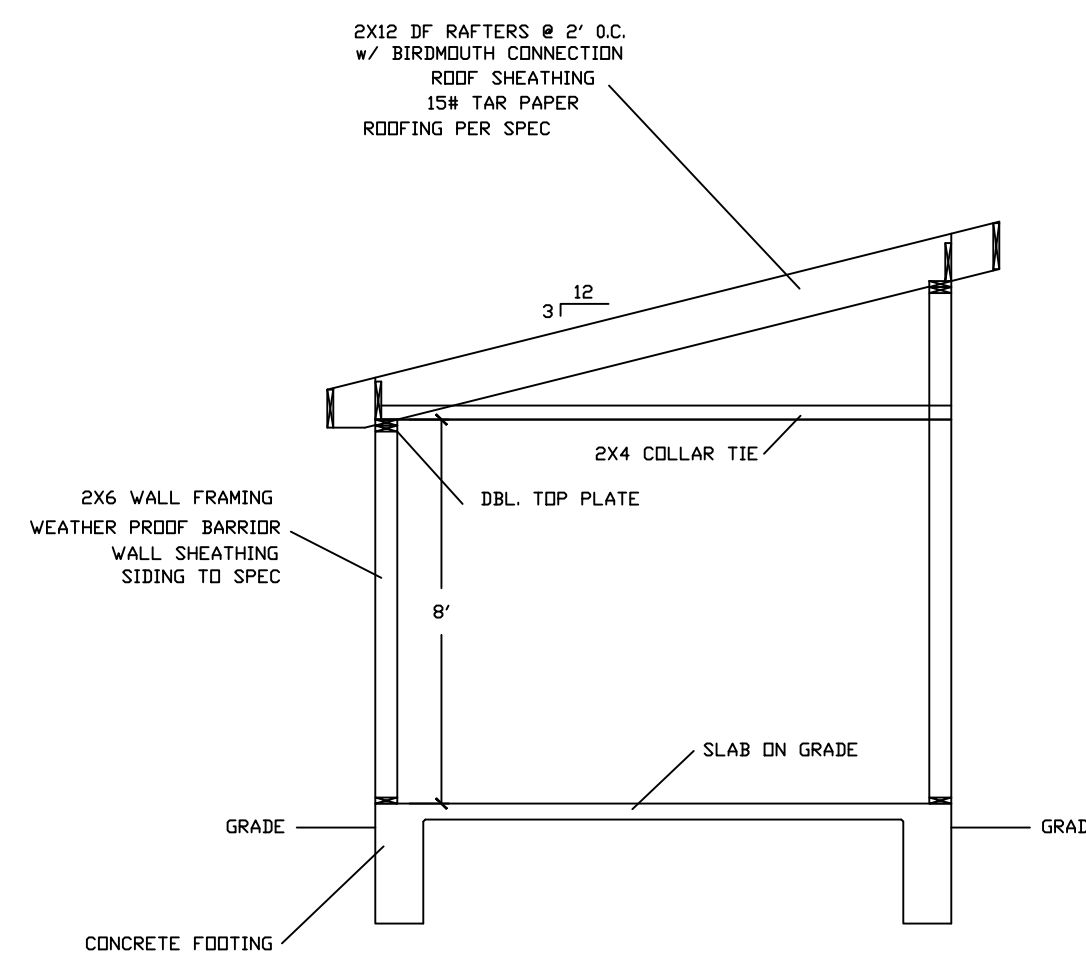
ROOF LOADS:
 D.L. = 15#/SF
 S.L. = 50#/SF
 WIND = 90 MPH EXP "C" (3 SEC GUST)
 SEISMIC DESIGN CATEGORY C

FRAMING NOTES

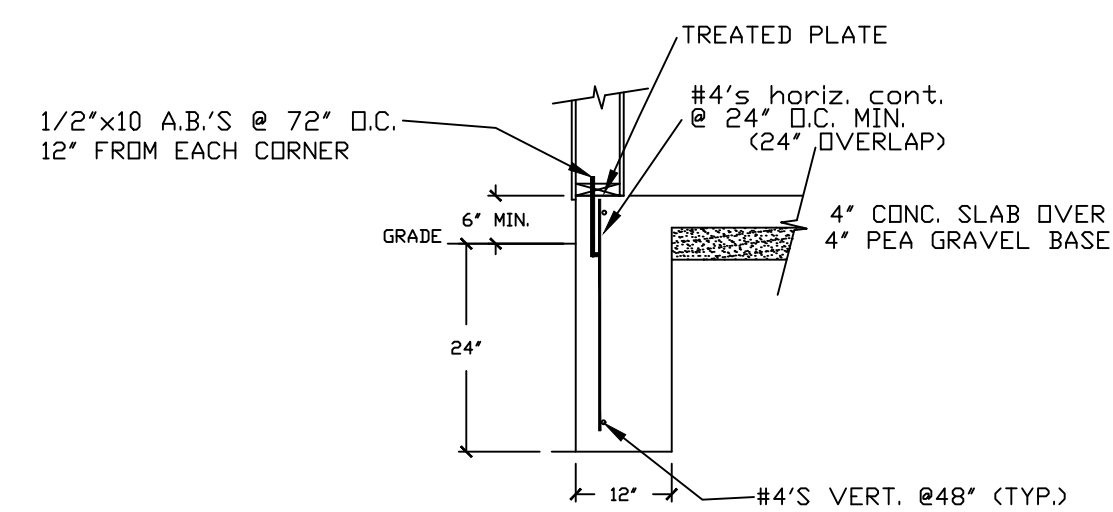
APA TO BE STRUCTURAL II, CC, CD OR OTHER GRADES COVERED IN PRODUCT STANDARD PS 1-07, PS 2-04, & APA PRP-108 (THICKNESSES SHOWN ARE NOMINAL)
 STRUCTURAL FRAMING LUMBER IS DFL No. 2 or BETTER
 32/16 (15/32" MIN.) SPAN RATING APA ROOF SHEATHING NAILED WITH 8d COMMON NAILS @ 6" O.C. AT SUPPORTED ENDS OF EACH PANEL, 12" O.C. AT OTHER SUPPORTS, AND 6" O.C. AT PERIMETER AND AROUND OPENINGS - UNLESS NOTED OTHERWISE
 7/16" NOMINAL APA EXTERIOR WALL SHEATHING NAILED WITH 8d COMMON OR GALVANIZED BOX NAILS @ 6" O.C. AT ALL EDGES (ALL EDGES MUST BE BLOCKED AT SHEAR PANELS) AND 12" O.C. AT ALL OTHER SUPPORTS - UNLESS NOTED OTHERWISE
 PRE-MANUFACTURED TRUSSESS, RAFTERS, JOISTS, CONNECTORS, HANGERS, ETC. MUST BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS WITH BRACING, FULL NAILING, ETC. - OBTAINING AND COMPLYING WITH INSTALLATION REQUIREMENTS IS THE CONTRACTOR'S RESPONSIBILITY
 ALL HEADERS (2) 2x10's DF No. 2 or BETTER UNLESS NOTED
 ALL CONSTRUCTION PER 2018 EDITION OF INTERNATIONAL ENERGY CONSERVATION CODE
 ALL CONSTRUCTION PER 2018 EDITION OF INTERNATIONAL FIRE CODE
 IRC PRESCRIPTIVE CONTINUOUS SHEATHING METHOD



FLOOR/FOUNDATION PLAN



STRUCTURAL DETAIL

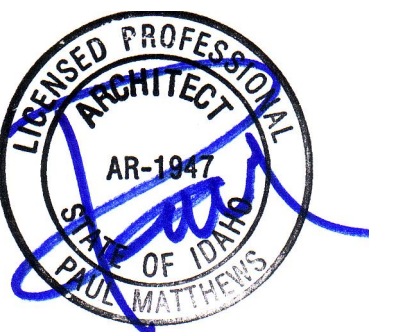


BEARING GROUND FOOTING DETAIL
 SCALE 1/2"=1'-0"

ALL PENETRATIONS TO BE FLASHED PER ASTM E2102, IRC CHAPTER 7, SS REPORT FOR PENETRATION ITEM, OR MANUFACTURER'S INSTRUCTIONS, WHICHEVER IS THE MOST STRINGENT.
 2" GAP BETWEEN SIDING TO FINISHED ROOFING/ TOP OF CONCRETE. SIDEWALL FLASHING TO EXTEND 4" VERTICALLY BEHIND SIDING. SLOPE CONCRETE 1/4" PER FOOT AWAY FROM FOUNDATION WALL.
 SITE DRAINAGE:
 FINAL GRADE AROUND STRUCTURE SHALL BE SLOPED TO DRAIN WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10' OR DRAINS/SWALES SHALL CONSTRUCTED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE. IMPERVIOUS SURFACES WITHIN 10' OF THE BUILDING FOUNDATION SHALL SLOPE A MINIMUM OF 2% (1/4" PER FOOT) AWAY FROM STRUCTURE.

CALL 811 BEFORE DIGGING

ASSUMED SOIL BEARING PRESSURE 1500 PSF



192 SQ. FT. PUMP HOUSE

NORLANDER CUSTOM HOME DESIGN (208)691-8684 ELKAHOLIC_71@YAHOO.COM	
PUMP HOUSE PLAN	
LOCATION: KOOTENAI COUNTY	DRAWN BY: JUSTIN NORLANDER
JOB NUMBER KOLB PUMP HOUSE	SCALE: 1/4" = 1'
CONTRACTOR: WAYNE ANDRUS	DATE: 8/5/25
OWNER: DAMIEN KOLB	SHEET 1 OF 1