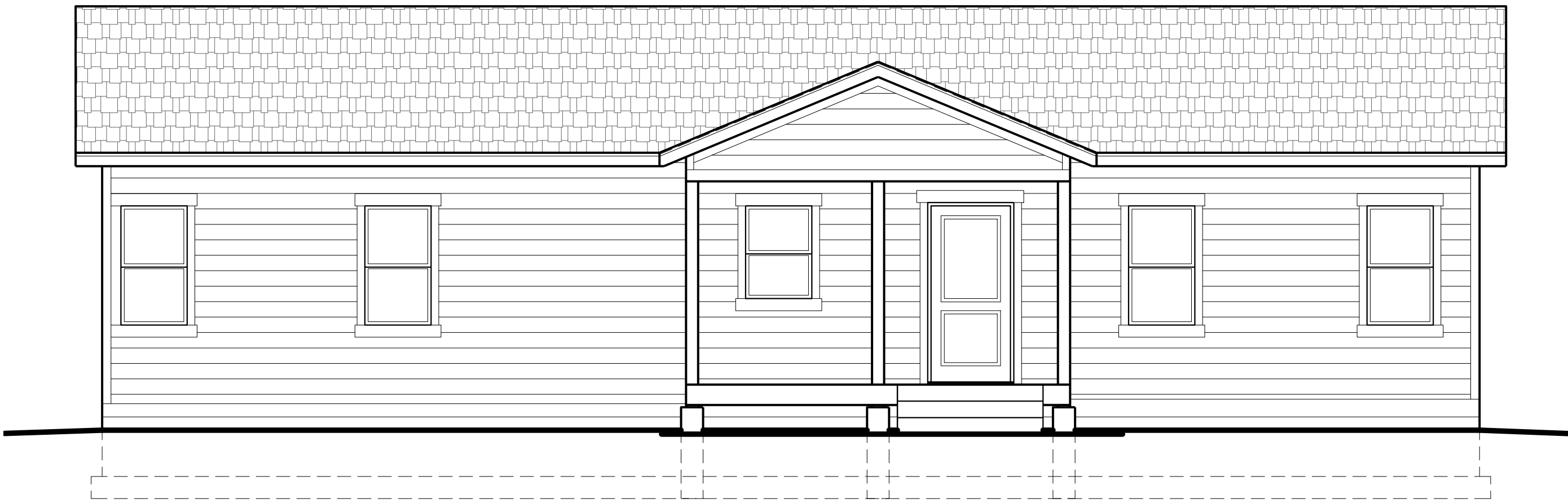


# ARCH PUNKIN - ASPEN MODEL

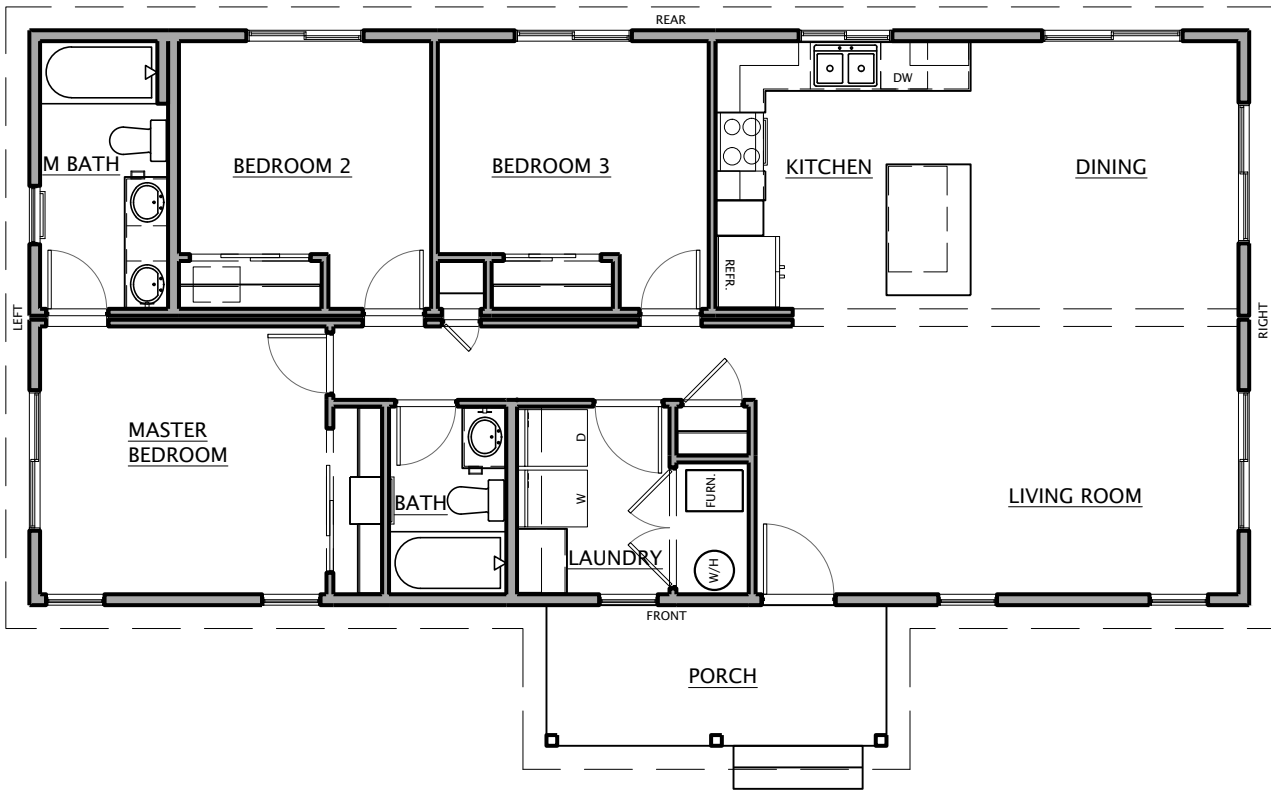
8 PUNKIN CENTER ROAD  
GANNETT, ID 83313



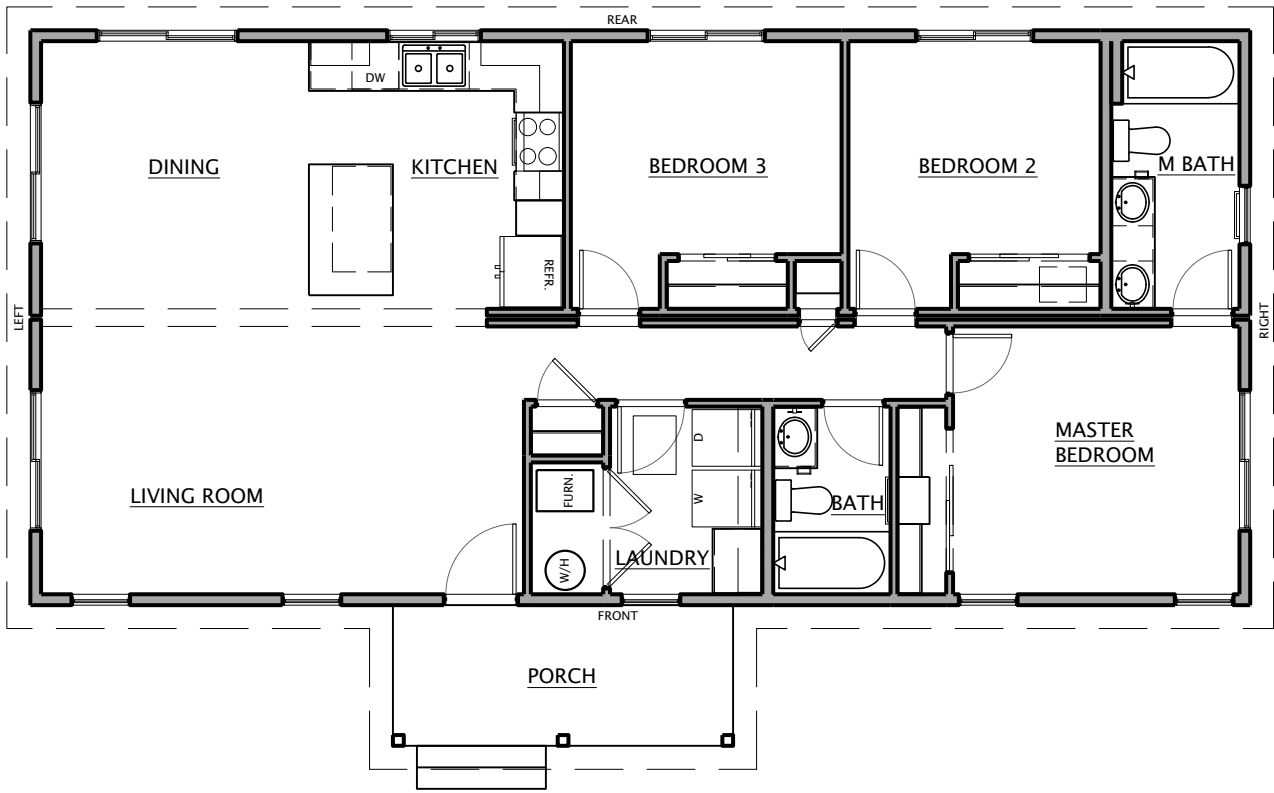
## PLAN DIRECTION KEY (N.T.S)

NOTE: LRR & LRL PLAN DIRECTIONS ARE DESIGNED AND ENGINEERED IDENTICALLY WITH ONLY THE LAYOUT REVERSED.

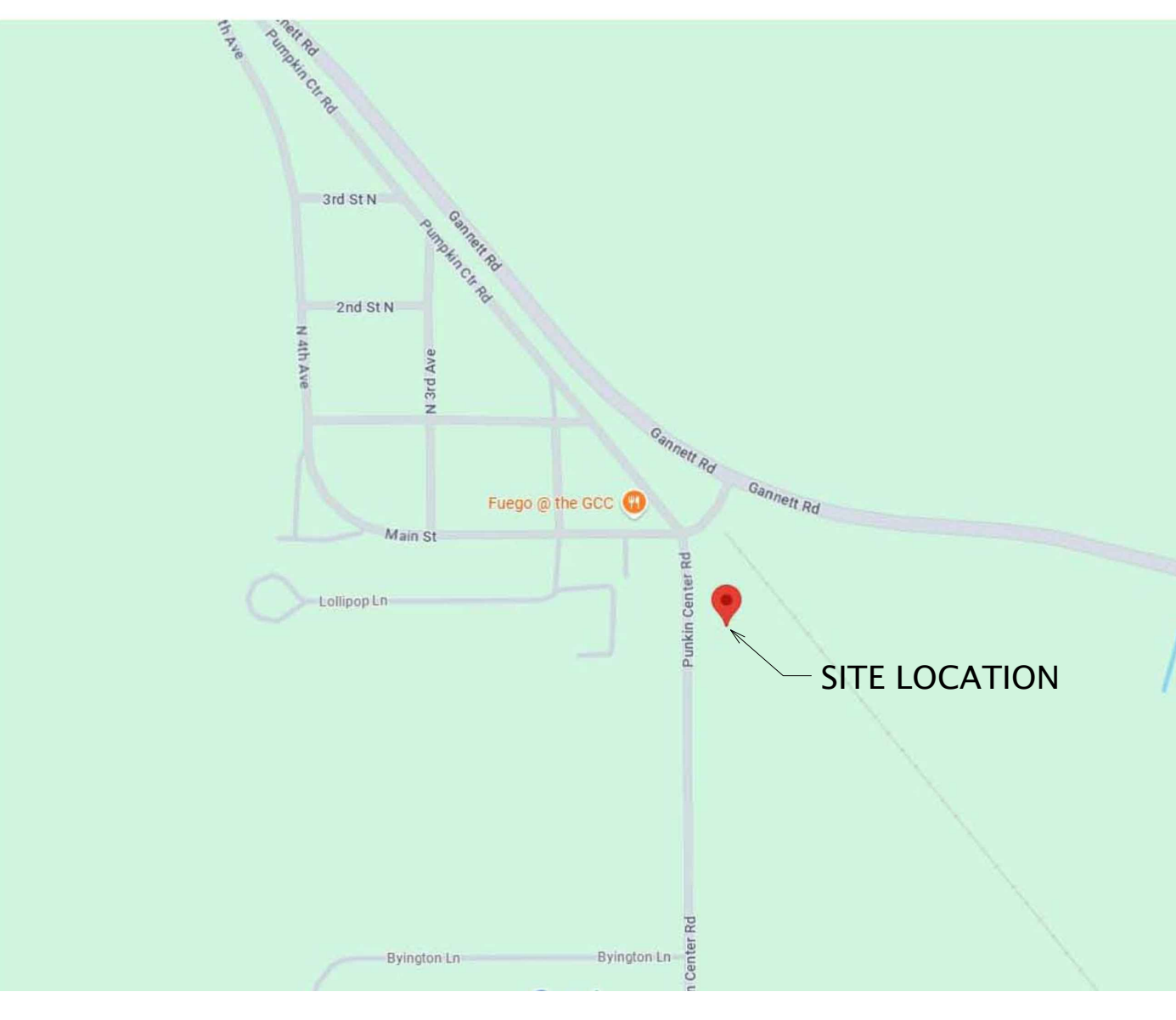
**X** LIVING ROOM RIGHT (LRR)



LIVING ROOM LEFT (LRL)



## VICINITY MAP



## VICINITY MAP



## CONTACT INFORMATION

**OWNER** ARCH COMMUNITY HOUSING TRUST  
160 2ND ST E KETCHUM, ID 83340  
TEL: (208) 726-4411

**MODULAR FACTORY** KEB HOMES, LLC DBA IRONTOWN HOMES  
1947 N. CHAPPEL DRIVE  
SPANISH FORK, UT 84660  
TEL: (801) 798-9005  
FAX: (801) 798-9015

**STRUCTURAL** McNEIL ENGINEERING  
8610 SOUTH SANDY PARKWAY  
SUITE 200  
SANDY, UT 84070  
TEL: (801) 255-7700

## DESIGN CRITERIA

### CLIMATE

WINTER DESIGN TEMP.: -1° F

CLIMATE ZONE: 6B

### STRUCTURAL

ROOF SNOW LOAD: 65 PSF

FLOOR LIVE LOAD: 40 PSF

WIND DESIGN SPEED: 105 MPH , EXPOSURE C

SEISMIC DESIGN CATEGORY: D

## PROJECT INFORMATION

**PROJECT NAME:** ARCH PUNKIN - ASPEN

**PROJECT ADDRESS:** 8 PUNKIN CENTER RD  
GANNETT, IDAHO 83313

**PARCEL NUMBER:** NA

**ZONING DISTRICT:** NA

**LOT SIZE:** NA

**NEW BUILDING COVERAGE:** NA

**FIRE SUPPRESSION SYSTEM:** NOT REQUIRED

**FIRE SEPARATION DISTANCE:** 5 FEET MINIMUM

## BUILDING INFORMATION

**CONSTRUCTION TYPE:** V-B

**OCCUPANCY CLASS:** R3

**NUMBER OF STORIES:** 1 STORY

**MODULE HEIGHT:** 15'-7"  
(MAX. RIDGE HEIGHT ABOVE T.O. FOUND. STEM WALL)

**GOVERNING CODES:**

2018 IRC PARTS I, II, III, IX; (2020 RESIDENTIAL W/ IDAHO AMENDMENTS)  
2018 IECC; (2020 RESIDENTIAL W/ IDAHO AMENDMENTS ONLY)  
2017 NEC W/ AMENDMENTS  
2017 IDAHO STATE PLUMBING CODE

**FLOOR AREA:** (SQ. FT.)

MAIN FLOOR AREA:	1,274
COVERED PORCH:	131

## SHEET INDEX

A0.0	COVER SHEET
A2.1	FLOOR PLAN & SCHEDULES
A2.2	ROOF PLAN
A3.0	BUILDING ELEVATIONS
A4.0	BUILDING SECTIONS
E1.1	ELECTRICAL PLAN
M1.1	MECHANICAL PLAN
P1.1	PLUMBING PLANS
S0.00	GENERAL NOTES
S0.01	TYPICAL STRUCTURAL DETAILS
S1.00	FOOTING & FOUNDATION PLAN
S1.01	MAIN FLOOR FRAMING PLAN
S1.02	ROOF FRAMING PLAN
S1.03	MAIN FLOOR SHEAR WALL PLAN
S5.00	STRUCTURAL DETAILS
S5.01	STRUCTURAL DETAILS

## GENERAL NOTES

- DO NOT SCALE DRAWINGS, FOLLOW DIMENSIONS EXPLICITLY. CONFIRM WITH DESIGNER BEFORE PROCEEDING IF CONFLICT ARISE.
- VERIFY ALL DIMENSIONS, EXISTING CONDITIONS AND UTILITY LOCATIONS ON THE JOB SITE PRIOR TO BEGINNING ANY WORK.
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF MATERIALS, DEVICES, FIXTURES AND EQUIPMENT SHALL BE FOLLOWED.
- PLAN DIMENSIONS ARE TO FACE OF STUD OR FACE OF CONCRETE UNLESS OTHERWISE NOTED. SECTION AND ELEVATIONS DIMENSIONS ARE TO TOP CONCRETE, TOP OF PLYWOOD, OR TOP OF WALL PLATES OR BEAMS UNLESS OTHERWISE NOTED.
- PROVIDE ALL NECESSARY BLOCKING IN STUD WALLS AND CEILING LOCATIONS INCLUDE BUT ARE NOT LIMITED TO CEILING AND WALL MOUNTED FIXTURES, TOILETS, TOILET ACCESSORIES, CABINETRY, COUNTERTOPS, SHELVES AND CLOSET RODS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING ALL APPLICABLE CODES AND OBTAINING ALL PERMITS AND REQUIRED APPROVALS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING GRADES AND STAKE OUT THE BUILDING FOOTPRINT.
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL MEET THE REQUIREMENTS OF R310. CONTRACTOR SHALL VERIFY ALL EGRESS WINDOWS MEET THESE REQUIREMENTS PRIOR TO ORDERING.
- LANDINGS AT EXTERIOR DOORS SHALL MEET THE REQUIREMENTS OF R311.3.
- STAIRS SHALL MEET THE REQUIREMENTS OF SECTION R311.7 AND LAYOUT SHALL BE VERIFIED THAT IT MEETS CODE BY CONTRACTOR AND FRAMING SUB CONTRACTOR PRIOR TO CONSTRUCTION OF STAIRS.

ARCH PUNKIN  
ASPEN MODEL

8 PUNKIN CENTER ROAD  
GANNETT, IDAHO 83313

STATE SUBMITTAL	01/14/2024
DATES	

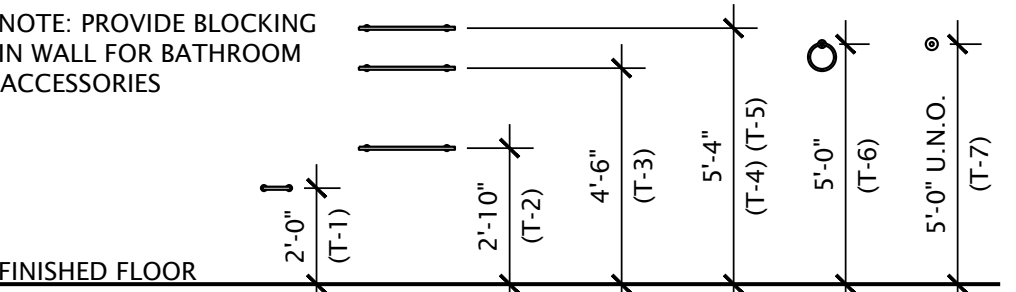
COVER  
SHEET

A0.0



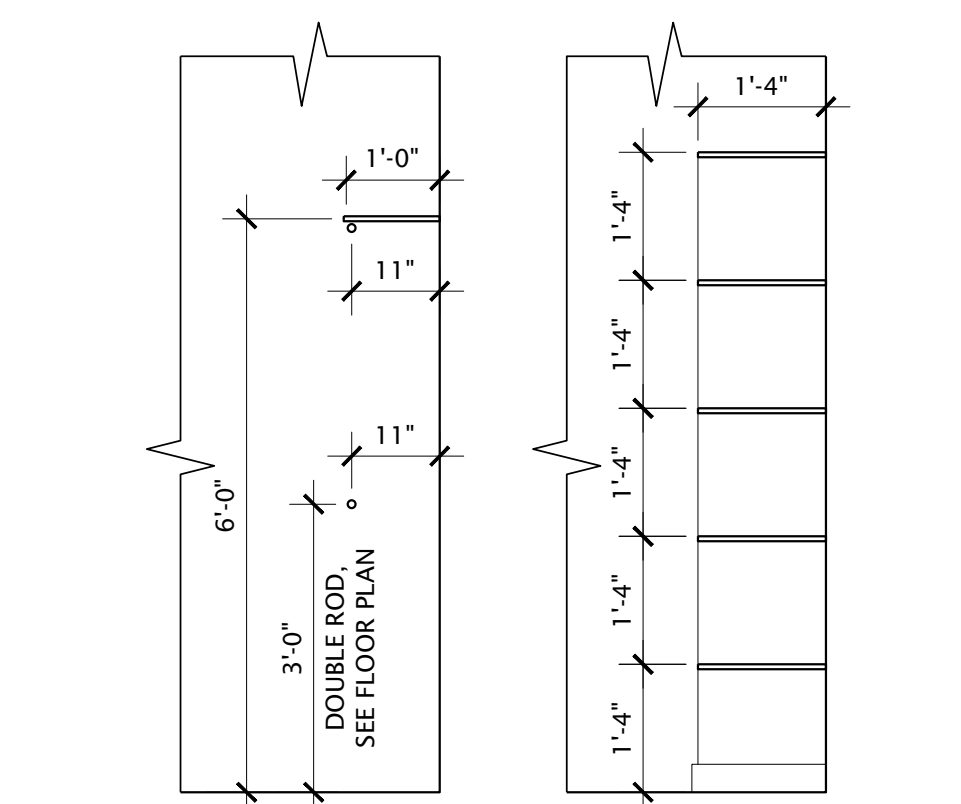
STANDARD BATHROOM  
MOUNTING HEIGHTS

TYPE	DESCRIPTION	QUANTITY
T-1	TOILET PAPER HOLDER	-
T-2	DOUBLE TOWEL BAR (BOTTOM)	-
T-3	SINGLE TOWEL BAR	-
T-4	DOUBLE TOWEL BAR (TOP)	-
T-5	TOWEL BAR ABOVE TUB OR TOILET	-
T-6	TOWEL RING	-
T-7	TOWEL HOOK	-



TYPICAL CLOSET ROD/SHELF PROFILE  
AND 5 STACK SHELF PROFILE

NOTES:  
1. ALL SHELVING MATERIAL TO BE PAINTED PARTICLE BOARD.  
2. 12" SHELF DEPTH @ ALL CLOSETS WITH A DEPTH OF 2'-2" OR LESS.  
3. CLOSETS WITH A DEPTH OF 2'-2" OR LESS WILL NOT HAVE A TOP SHELF.  
4. BASE TRIM TO BE INSTALLED AROUND BOTTOM OF VERTICAL SUPPORT.



UNDER-FLOOR SPACE  
VENTILATION

UNDER-FLOOR AREA: 1,174 SQ. FT.  
UNVENTED CRAWLSPACE OPTION - PER IRC R408.3  
PROVIDE CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION W/ A RATE OF 24 CFM MINIMUM, INCLUDING SUPPLY AIR FROM COMMON AREA HVAC SYSTEM PER IRC SECTION 408.3-2.1.  
CRAWLSPACE PERIMETER WALLS TO BE INSULATED IN ACCORDANCE WITH N1102.2.11 AND PER RESCHECK.

WINDOW SCHEDULE

MARK	QTY	NOMINAL SIZE		H.H.	DESCRIPTION	MATERIAL	COLOR		GLASS	TEMPERED	GRIDS	U-F	SHGC	REMARKS
		WIDTH	HEIGHT				INTERIOR	EXTERIOR						
W01	2	6'-0"	4'-6"	6'-8"	GLIDING XO	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe
W02	2	6'-0"	4'-6"	6'-8"	GLIDING OX	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe
W03	2	5'-0"	4'-0"	6'-8"	GLIDING XO	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe
W04	1	4'-0"	3'-0"	6'-8"	GLIDING OX	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe
W05	4	2'-6"	4'-6"	6'-8"	SINGLE HUNG	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe
W06	2	2'-6"	3'-6"	6'-8"	SINGLE HUNG	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC	NO	NO	SEE RESCHK	-	DUAL PANE, LOe

NOTE: ALL WINDOWS IDENTIFIED AS TEMPERED SHALL COMPLY WITH CSPC CFR 2101 AND ANSI Z97.1-94

DOOR SCHEDULE

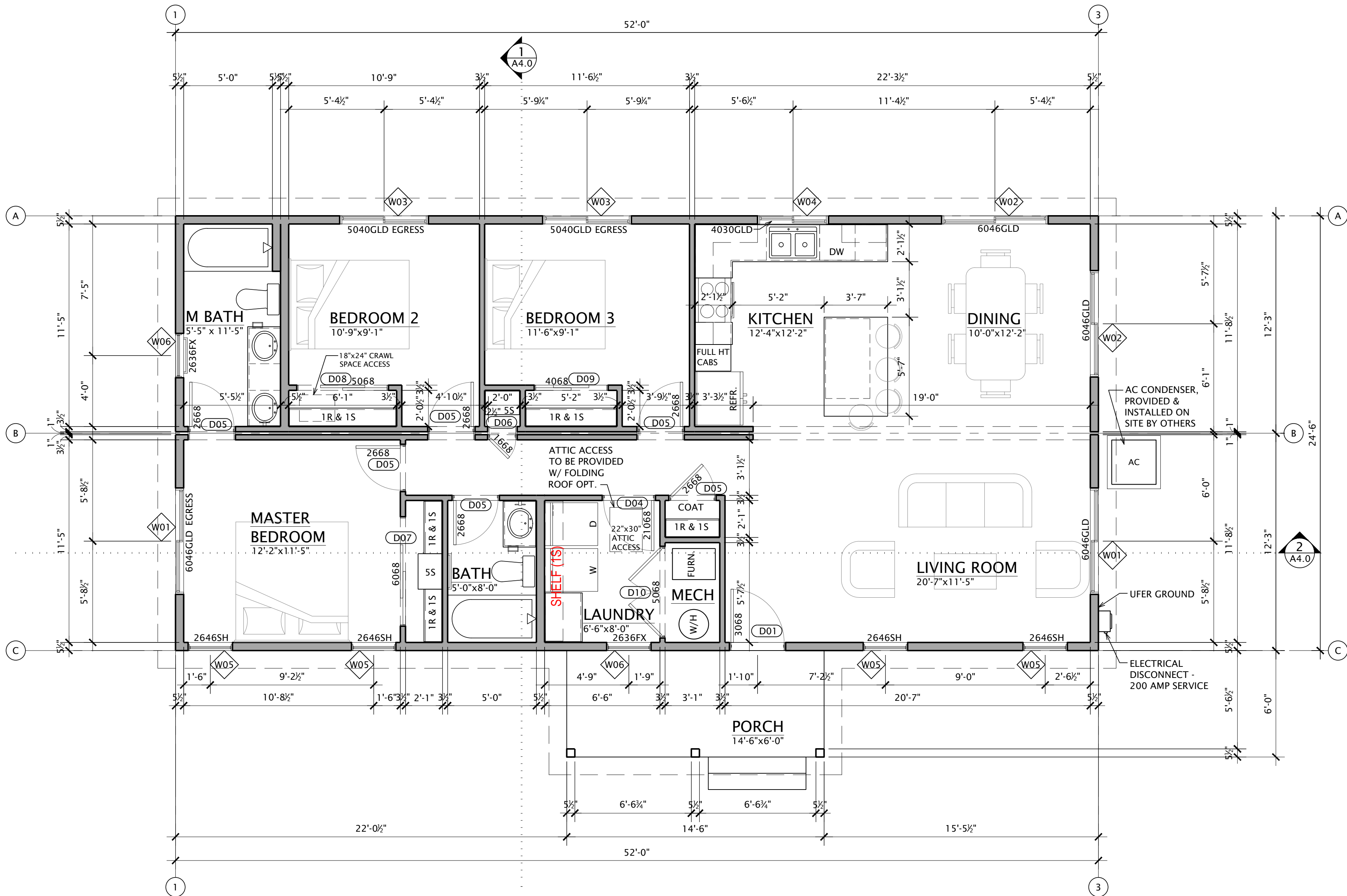
MARK	QUANTITY		NOMINAL SIZE		TYPE	UF	SHGC	REMARKS
	L	R	WIDTH	HEIGHT				
D01	1	-	3'-0"	6'-8"	STANDARD ENTRY - EXTERIOR	SEE RESCHK	TBD	SOLID CORE
NOT USED								
NOT USED								
D04	1	-	2'-10"	6'-8"	STANDARD - INTERIOR	-	-	-
D05	2	4	2'-6"	6'-8"	STANDARD - INTERIOR	-	-	-
D06	-	1	1'-6"	6'-8"	STANDARD - INTERIOR	-	-	-
D07	1	-	6'-0"	6'-8"	BY-PASS - INTERIOR	-	-	-
D08	1	-	5'-0"	6'-8"	BY-PASS - INTERIOR	-	-	-
D09	1	-	4'-0"	6'-8"	BY-PASS - INTERIOR	-	-	-
D10	1	-	5'-0"	6'-8"	DOUBLE - INTERIOR	-	-	-

DOOR JAMB SIZES (1/2" GYP. BD.)  
2x4 WALL: 4 9/16"  
2x6 WALL: 6 9/16"  
2x8 WALL: 8 5/16"

DOOR JAMB SIZES (1/2" GYP. BD.)  
2x4-2x4 MARRIAGE WALL: 9 9/16"  
2x4-2x6 MARRIAGE WALL: 11 9/16"  
2x6-2x6 MARRIAGE WALL: 13 9/16"

DOOR JAMB SIZES (5/8" GYP. BD.)  
2x4 WALL: 4 13/16"  
2x6 WALL: 6 13/16"  
2x8 WALL: 8 9/16"

DOOR JAMB SIZES (5/8" GYP. BD.)  
2x4-2x4 MARRIAGE WALL: 9 13/16"  
2x4-2x6 MARRIAGE WALL: 11 13/16"  
2x6-2x6 MARRIAGE WALL: 13 13/16"



1 FLOOR PLAN

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

FLOOR AREA: 1,274 SQ. FT.

GENERAL NOTES:

- FIREBLOCKING SHALL BE PROVIDED:
  - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT CEILING & FLOOR LEVELS AND HORIZONTALLY AT 10'-0" MAX. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS SOFFITS AND DROPPED CEILINGS.
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, WIRES, ETC. AT CEILING AND FLOOR LEVELS.
- ALL EGRESS WINDOWS SHALL HAVE A MAX. FINISHED SILL HEIGHT WITHIN 44" OF FLOOR, A MIN. NET CLEAR OPENING AREA OF 5.7 SQ. FT., A MIN. NET CLEAR OPENABLE WIDTH OF 20" & A MIN. NET CLEAR OPENABLE HEIGHT OF 24".
- A FLOOR LANDING MUST BE PROVIDED ON EACH SIDE OF EACH EXTERIOR DOOR WITH A MIN. DIMENSION OF 36" IN DIRECTION OF TRAVEL FOR THE REQUIRED EXIT DOOR - R311.4.
- FRAMELESS GLASS DOORS, GLAZING IN DOORS, GLAZING WITHIN 24" ARCH OF DOORS, GLAZING LESS THAN 60" ABOVE A WALKING SURFACE THAT IS WITHIN 5' OF STAIRS AND GLAZING WITHIN 5' OF SPAS OR POOLS, CURTAIN FIXED GLASS PANELS AND SIMILAR GLAZED OPENING SUBJECT TO HUMAN IMPACT SHALL BE SAFETY GLAZING, TEMPERED OR LAMINATED GLASS, PROPERLY IDENTIFIED - R308.4.
- THE FIRST 5 FEET OF PIPING TO STORAGE WATER HEATERS SHALL BE INSULATED.
- ALL SANITARY PLUMBING VENT LINES TO BE COMBINED IN ATTIC SPACE INTO SINGLE LINE & TO TERMINATE HORIZONTALLY THRU NORTH GABLE END WALL AS NOTED ON BUILDING ELEVATIONS.



1947 NORTH CHAPPEL DRIVE  
SPANISH FORK, UTAH 84660  
(801) 798-9005

ARCH PUNKIN  
ASPEN MODEL

8 PUNKIN CENTER ROAD  
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DATE	STATE SUBMITTAL
01/14/2024	

FLOOR  
PLAN

A2.1

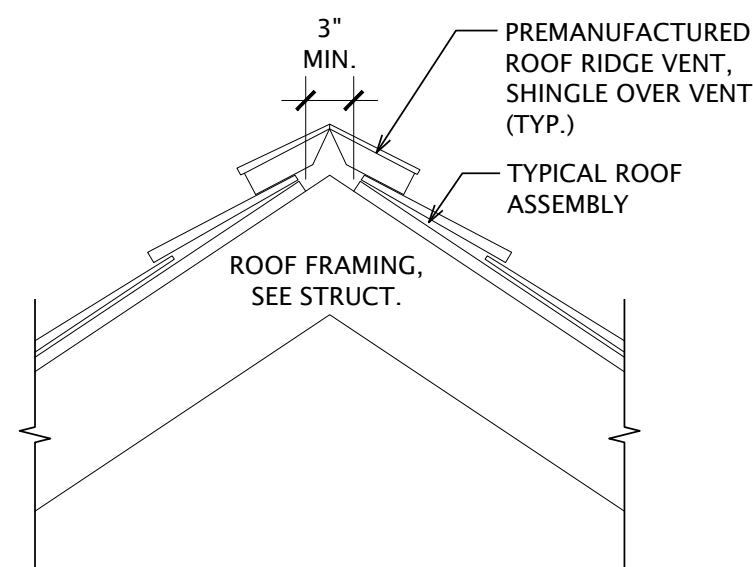


8 PUNKIN CENTER ROAD  
GANNETT, IDAHO 83313

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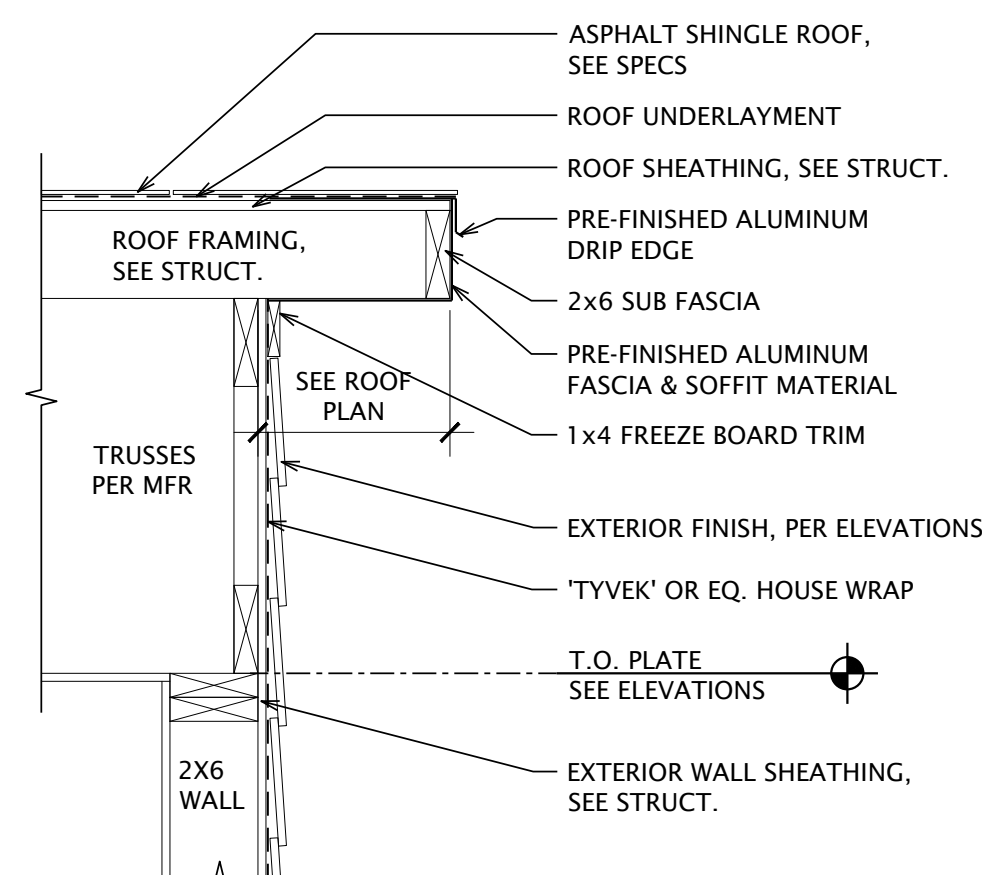
# ROOF PLAN

## A2.2



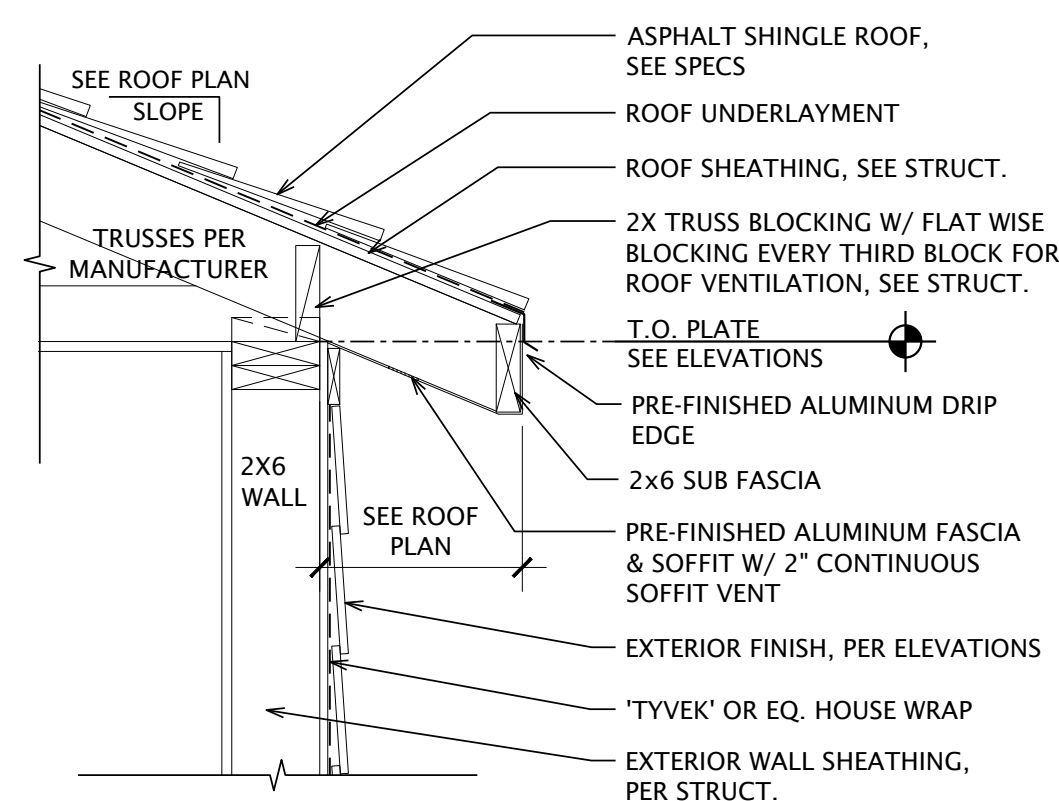
## 2 ROOF RIDGE VENT

A2.2 SCALE: 1" = 1'-0"



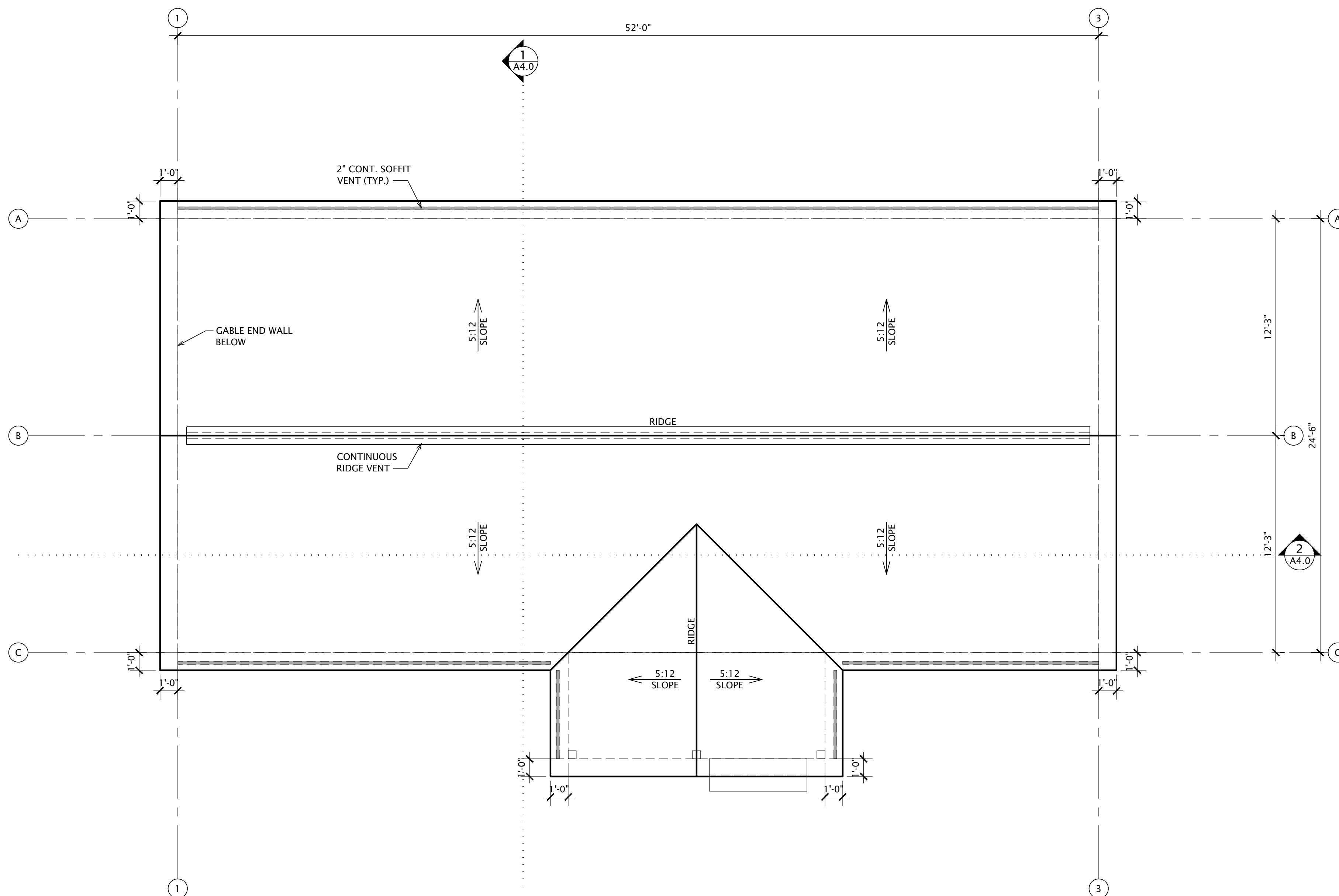
### 3 ROOF FASCIA @ RAKE

A2.2 SCALE: 1" = 1'-0"



## 4 ROOF FASCIA @ EAVE

A2.2 SCALE: 1" = 1'-0"



## 1 ROOF PLAN

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



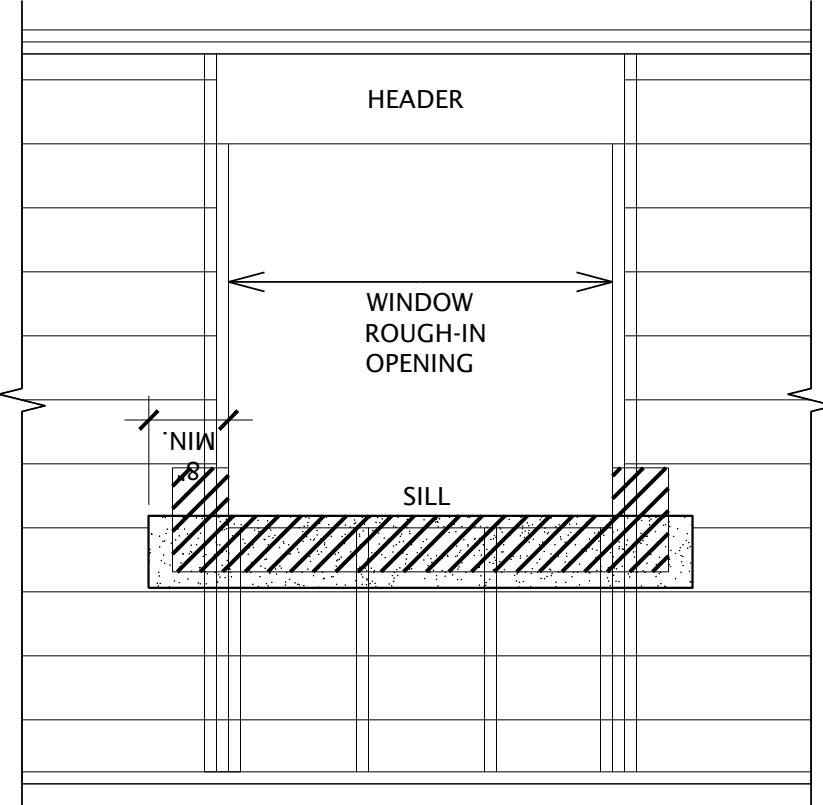


WINDOW FLASHING INSTALLATION N.T.S.

INSTALLATION NOTES:

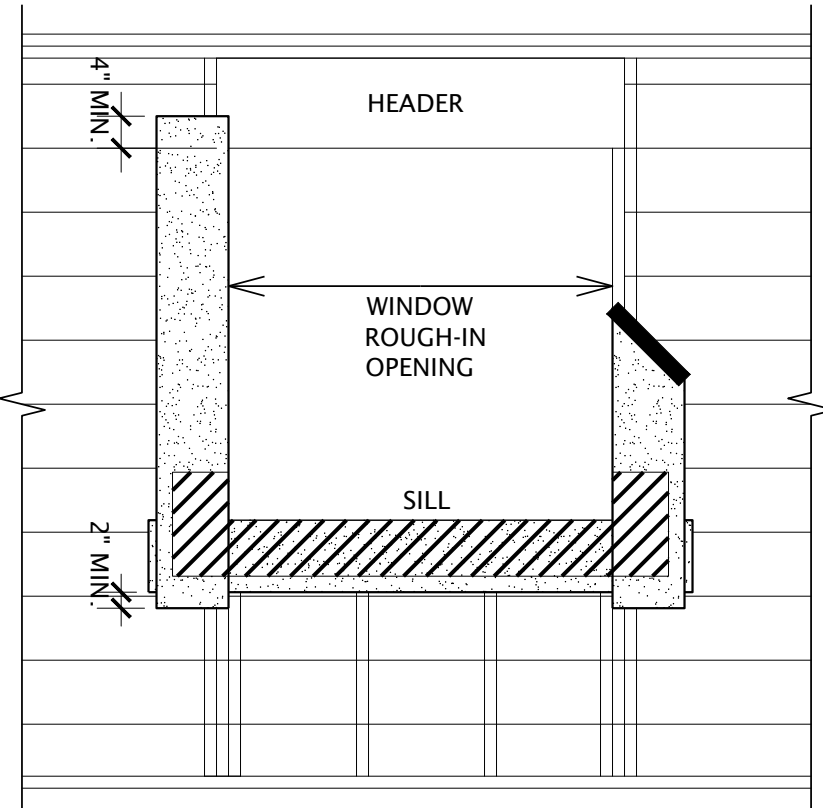
1. PROVIDE MINIMUM 9" WIDE SELF-ADHERING WATERPROOF MEMBRANE FLASHING.
2. APPLY 1/2" CONTINUOUS BEAD OF SEALANT APPLY 1/2" CONTINUOUS BEAD OF SEALANT BEHIND WINDOW HEAD AND JAMB NAIL FLANGES. DO NOT APPLY SEALANT BEHIND WINDOW SILL NAIL FLANGE. APPLY 1/2" CONTINUOUS BEAD OF SEALANT TO TOP OF SILL ROUGH OPENING 4" FROM EXTERIOR EDGE. APPLY SECOND NON-CONTINUOUS 1/2" BEAD OF SEALANT FOR WEEPING TO TOP OF SILL ROUGH OPENING 1/4" FROM EXTERIOR EDGE.
3. COMPLETE STEPS 2 & 3 AT EXTERIOR DOORS.
4. REFER TO WINDOW MANUFACTURE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

STEP 1



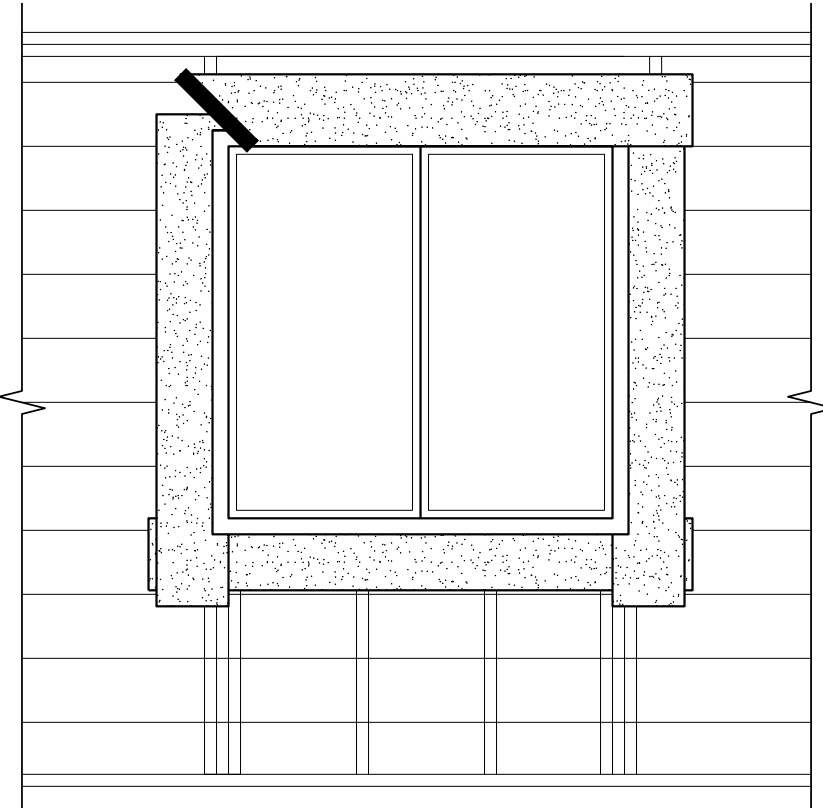
ATTACH SILL STRIP FLASHING WITH TOP EDGE LEVEL WITH ROUGH SILL. EXTEND BEYOND EDGE OF ROUGH OPENING AT LEAST 8". SECURE ALL SELF-ADHERING WATERPROOF MEMBRANE OR SIMILAR APPROVED FLASHING MATERIAL PER SPECIFICATIONS. APPLY SELF-ADHERING WATERPROOF MEMBRANE OVER ENTIRE SILL PRIOR TO INSTALLING WINDOW.

STEP 2

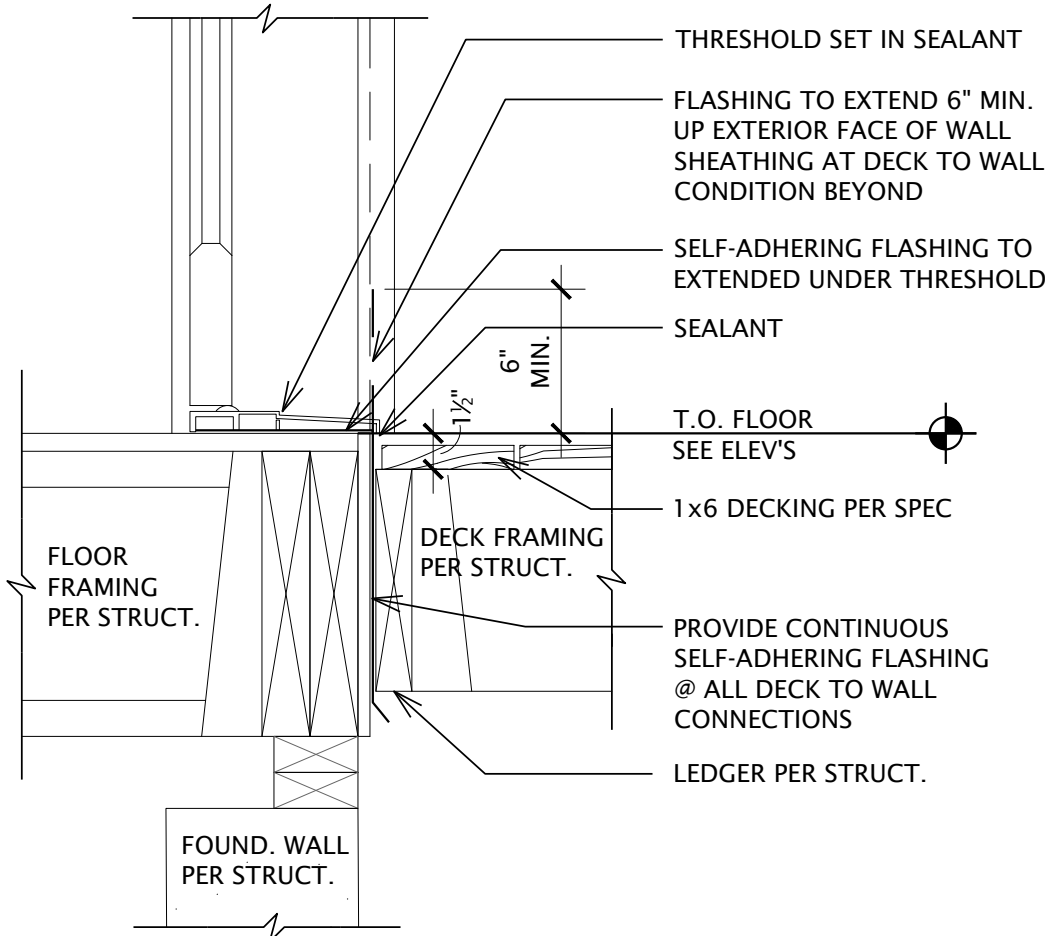


ATTACHED JAMB STRIPS WITH SIDE EDGE EVEN WITH ROUGH-JAMB FRAMING. START STRIP 1" BELOW LOWER EDGE OF SILL STRIP AND EXTEND 4" ABOVE LOWER EDGE OF LINTEL.

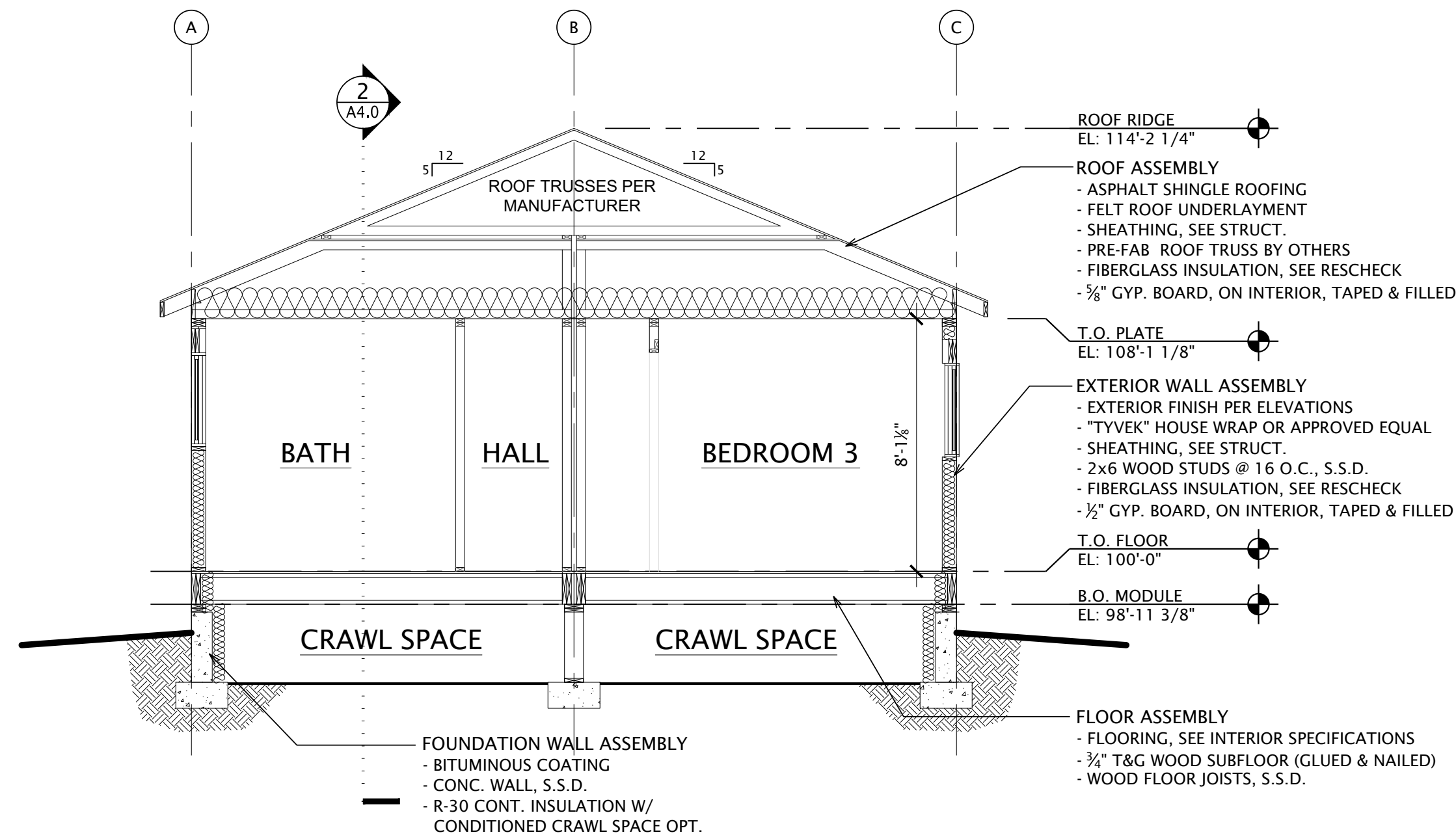
STEP 3



REFERENCE INSTALLATION NOTE 2 PRIOR TO INSTALLING WINDOW. INSTALL WINDOW INTO ROUGH OPENING OVER PREVIOUSLY INSTALLED SILL AND JAMB FLASHING. ATTACH HEAD FLASHING OVER THE WINDOW FLANGE.

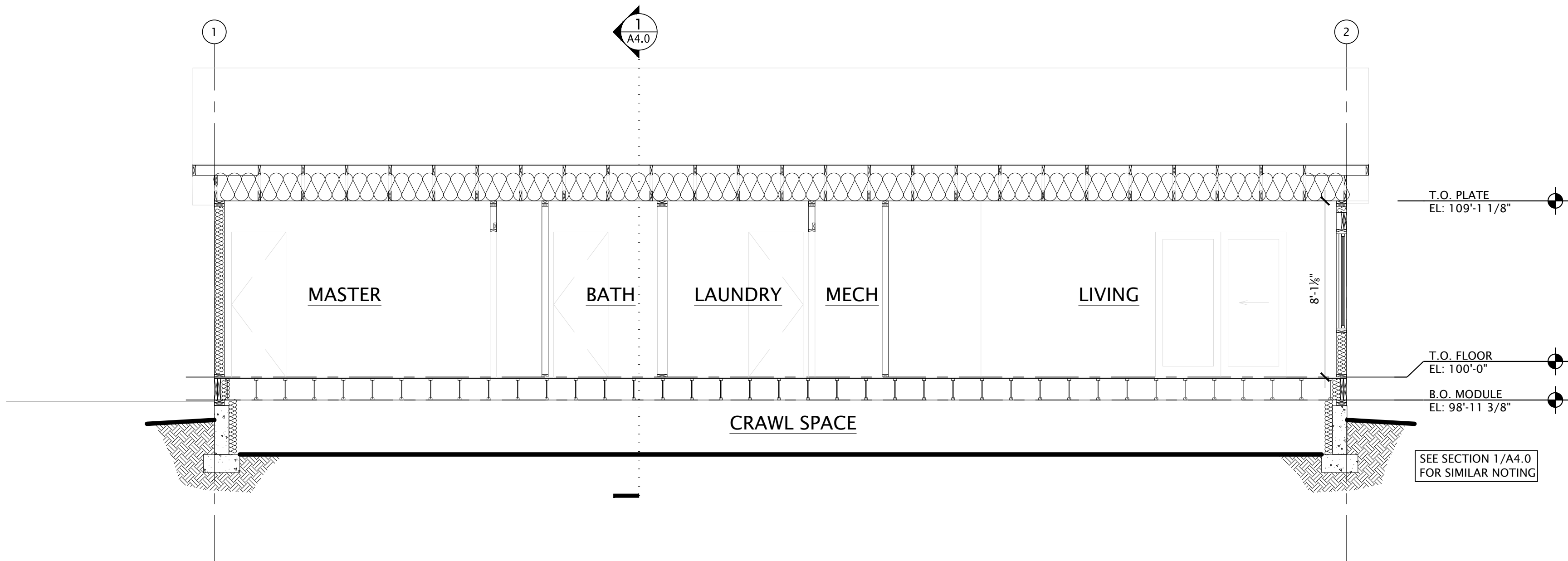


3 DECK TO RIM JOIST JUNCTION A4.0 SCALE: 1 1/2" = 1'-0"



NOTE: EXPOSED EARTH WITHIN CRAWL SPACE TO BE COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER. JOINTS OF THE VAPOR RETARDER SHALL OVERLAP BY 6 INCHES AND SHALL BE SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST 6 INCHES UP THE STEM WALL AND SHALL BE ATTACHED AND SEALED TO THE STEM WALL OR INSULATION.

1 BUILDING SECTION A4.0 SCALE: 1/4" = 1'-0"



2 BUILDING SECTION A4.0 SCALE: 1/4" = 1'-0"

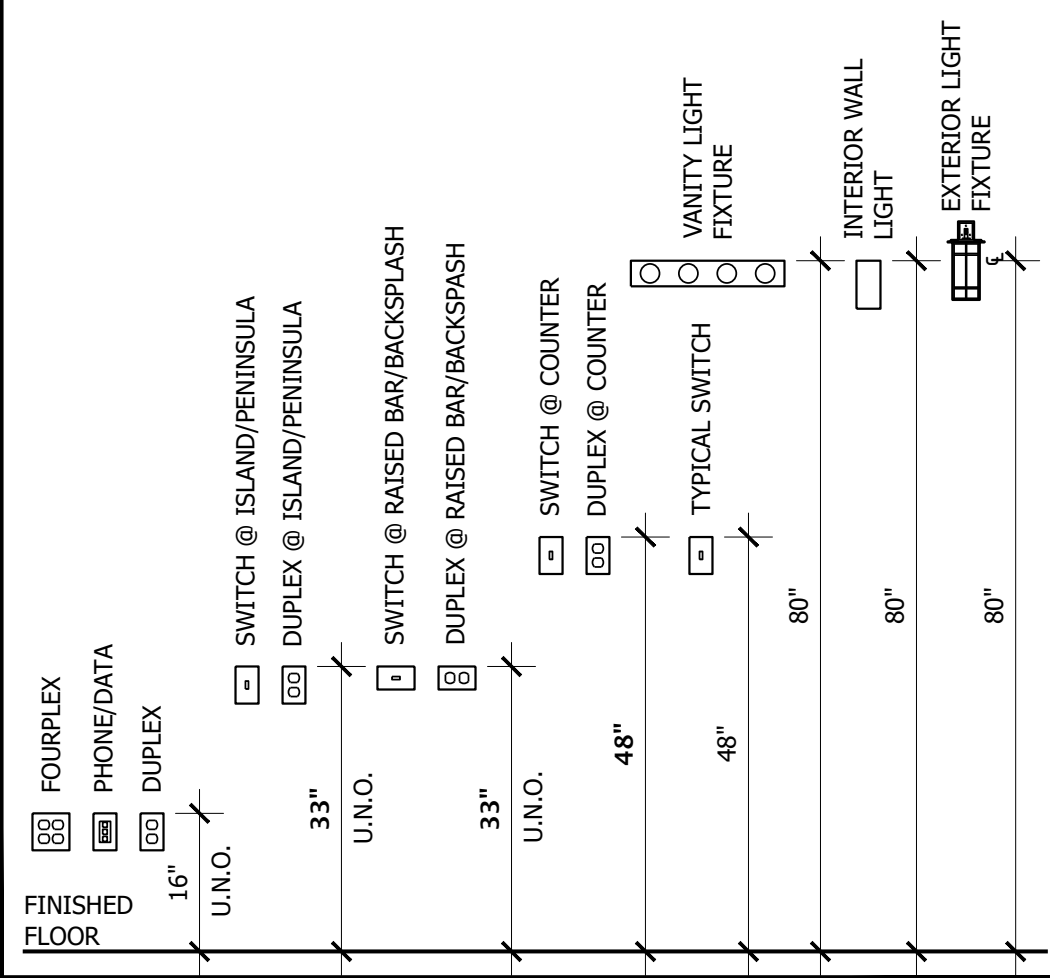
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BUILDING SECTIONS



ELECTRICAL MOUNTING HEIGHTS

N.T.S.



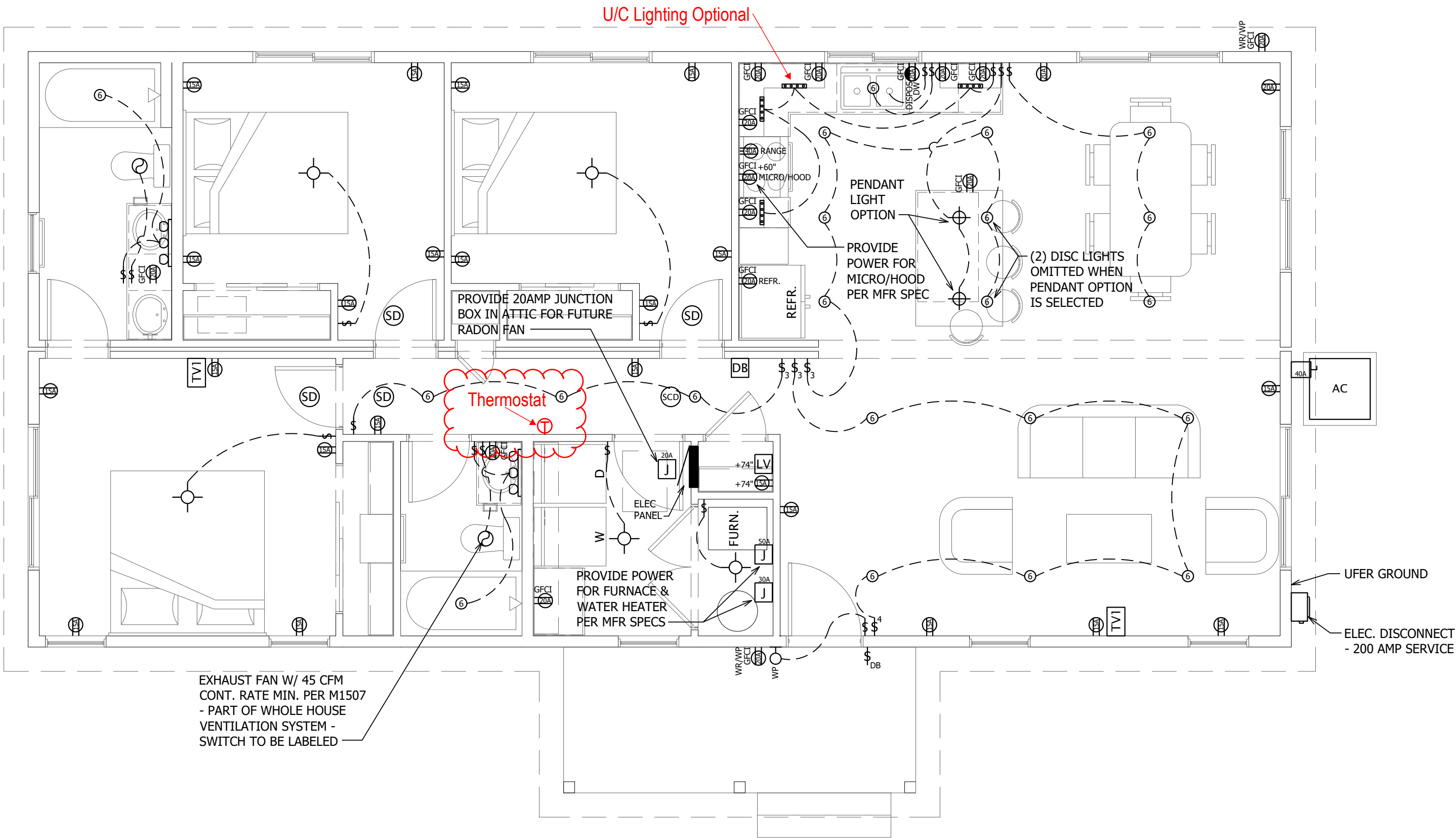
ELECTRICAL LEGEND:

	DUPLUX OUTLET		FLUSH MOUNT CEILING LIGHT		STEP LIGHT		CEILING FAN		SPEAKER		DELINATES WATERPROOF DEVICE TYPE
	FOURPLEX OUTLET		PENDENT CEILING LIGHT		VANITY LIGHT		CEILING FAN WITH LIGHT		(1) PH		DELINATES WEATHER RESISTANT DEVICE TYPE
	GFI DUPLUX OUTLET		EXHAUST FAN/LIGHT COMBO		1'x4' CEILING MOUNTED FLUORESCENT FIXTURE		EXHAUST FAN		(1) RG6		DELINATES AMPERAGE
	GFI FOURPLEX OUTLET		6" DISC LED FLUSH FIXTURE W/ 4" ROUND MOUNTING BOX		2'x4' CEILING MOUNTED FLUORESCENT FIXTURE		SMOKE DETECTOR		(2) RG6		SWITCH
	WATERPROOF GFI OUTLET		4" RECESSED CAN FIXTURE		ELECTRICAL METER		SMOKE DETECTOR/CARBON MONOXIDE DETECTOR		(1) CAT 5		3-WAY SWITCH
	220 OUTLET		6" RECESSED CAN FIXTURE		ELECTRICAL PANEL		CARBON MONOXIDE DETECTOR		(2) CAT 5		4-WAY SWITCH
	1/2 OF OUTLET SWITCHED		4" RECESSED DIRECTIONAL CAN FIXTURE		FLUORESCENT STRIP FIXTURE		MOTION DETECTOR		(1) CAT 5/6 & (1) RG6		DOOR BELL SWITCH
	FLOOR OUTLET		6" RECESSED DIRECTIONAL CAN FIXTURE		LED COVE LIGHTING		JUNCTION BOX		(2) CAT 5/6 & (2) RG6		DIMMER SWITCH
	FOURPLEX FLOOR OUTLET		4" RECESSED WATERPROOF CAN FIXTURE		UNDERCABINET LED STRIP FIXTURE		AUTOMATIC TRANSFER SWITCH		(1) HDMI		WATERPROOF SWITCH
	CEILING OUTLET		6" RECESSED WATERPROOF CAN FIXTURE		TRACK LIGHT		LOW-VOLTAGE CONNECTION BOX		CABLE ACCESS (BRUSH) PLATE W/ 2" SMURF TUBE TO ABOVE/BELOW		PHOTOCELL
	EXTERIOR WALL FIXTURE		6" RECESSED WATERPROOF CAN FIXTURE		EXTERIOR MOTION/SPOT LIGHT		ELECTRICAL BASEBOARD WALL HEATER		DOOR BELL CHIME		DISCONNECT
	INTERIOR WALL SCONCE FIXTURE		PUC LIGHT FIXTURE		INTERCOM CONTROL		HARDWIRED CONNECTION		OVERHEAD DOOR OPENER		GENERATOR CIRCUIT

ELECTRICAL NOTES:

1. LIGHTS, SMOKE DETECTORS, AND EXHAUST FANS ARE REQUIRED IN AREAS SHOWN. LOCATIONS FOR THESE ITEMS AND OUTLETS AND SWITCHES ARE TO BE LOCATED AND WIRED PER LOCAL CODE BY THE ELECTRICAL CONTRACTOR.
2. UNDERGROUND ELECTRICAL SERVICE SHALL BE A MINIMUM 18" DEEP. AND INSTALLED IN 2" RIGID RISER AND ELBOW ATTACHED TO 2" PVC ELECTRICAL DUCT TO WITHIN 1' OF PEDESTAL.
3. BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15 AND 20-AMPERE OUTLETS INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN-ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE DEVICE AS REQUIRED BY IRC E3902.16 AND LOCAL BUILDING CODE.
4. PROVIDE (2) MIN. 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUITS FOR ALL WALL KITCHEN FLOOR RECEPTACLE OUTLETS
5. 4. SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS SHALL BE HARD WIRED TO HOUSE AND SHALL HAVE BATTERY BACK-UP. SMOKE DETECTORS SHALL BE GFCI PROTECTED. - E3902
6. ALL ELECTRICAL OUTLETS/RESEPTACLES TO BE TAMPER RESISTANT.
7. OUTLET BOXES SHALL NOT BE USED AS SOLE SUPPORT FOR CEILING FANS. SEE MANUFACTURER SPECIFICATIONS FOR INSTALLATION.
8. SWITCHES IN THE SAME VICINITY SHALL BE PLACED IN THE SAME BOX W/ A SINGLE COVER PLATE.
9. ALL EXTERIOR OUTLETS EXPOSED TO WEATHER SHALL HAVE WEATHERPROOF (BUBBLE) COVERS.
10. ELECTRICAL PANEL-BOARDS MUST HAVE 30 INCH WIDTH, 36 INCH DEPTH AND 6 FEET 6 INCHES HEAD ROOM FOR PROPER CLEARANCE. - E3405
11. ALL RECEPTACLES SERVING KITCHEN COUNTERTOPS, GARAGES, BATHROOMS, JETTED TUBS, UNFINISHED BASEMENTS, CRAWL SPACES AND OUTSIDE SPACES SHALL BE GFCI PROTECTED. - E3902
12. ALL ELECTRICAL CONNECTS BETWEEN MODULES SHALL BE MADE IN WITHIN MODULAR FLOOR FRAMING, NOT WITHIN ATTIC.

Panel: Main		Fed From: Elec Service Provider	
<b>Voltage &amp; Phase</b>		<b>Mounting</b>	
<input type="checkbox"/> 120-208-1Ø	<input type="checkbox"/> 120-1Ø	<input type="checkbox"/> 277-480-1Ø	<input type="checkbox"/> Surface
<input type="checkbox"/> 120-240-1Ø	<input type="checkbox"/> 240-1Ø	<input type="checkbox"/> 277-1Ø	<input type="checkbox"/> Flush
		<input type="checkbox"/> 480-1Ø	<input type="checkbox"/> Semi
Manufacturer:		Model:	Serial:
Notes			
Description	Wire	Bk	Phase
Kitchen S.A. - AFCl	12 AWG 20A	1 A	2 20A
Kitchen S.A. - AFCl	12 AWG 20A	3 B	4 20A
Range - GFCI	8 AWG 40A	5 A	6 20A
Dryer - GFCI	10 AWG 30A	9 A	10 20A
Water Heater	10 AWG 30A	13 A	14 15A
Heat Pump	8 AWG 40A	17 A	18 15A
FAU Heating Kit	4 AWG 60A	21 A	22 20A
Space	-	23 B	24 15A
Space	-	25 A	26 -
Space	-	27 B	28 -
Space	-	29 A	30 -
		31 B	32 -
		33 A	34 -
		35 B	36 -
		37 A	38 -
		39 B	40 -



1 ELECTRICAL PLAN

E1.1 SCALE: 1/4" = 1'-0"



1947 NORTH CHAPPEL DRIVE  
SPANISH FORK, UTAH 84660  
(801) 798-9005

ARCH PUNKIN  
ASPEN MODEL

8 PUNKIN CENTER ROAD  
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DATES	01/14/2024
STATE SUBMITTAL	

ELECTRICAL  
PLAN

E1.1



#### MECHANICAL NOTES:

1. ALL SUPPLY AIR DUCTS TO BE ROUTED THRU FLOOR FRAMING AND CRAWL SPACE, U.N.O..
2. ALL RETURN AIR DUCTS TO BE ROUTED THRU ATTIC, U.N.O..
3. PROVIDE OUTSIDE COMBUSTION AIR TO MECHANICAL ROOM PER AS REQUIRED PER MFR SPECS.
4. CONDENSATE FROM FURNACE TO DRAIN TO FLOOR DRAIN OR EXTERIOR.
5. ALL BATHROOM EXHAUST FANS SHALL HAVE 25 CFM MIN. INTERMITTENT EXHAUST RATE.
6. EXHAUST FAN SYSTEMS TO HAVE BACKDRAFT OR AUTOMATIC DAMPERS.
7. BATHROOM EXHAUST FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
8. VERIFY REQUIREMENTS FOR EACH APPLIANCE AND FIXTURE WITH MANUFACTURER'S SPECIFICATIONS.
9. REFERENCE MANUAL 3/D REPORTS FOR HEATING SYSTEM REQUIREMENTS AND CONFIRM FINAL SIZING.
10. ALL VENTING, SIZING AND MODEL NUMBERS ARE SUBJECT TO CHANGE, DUE TO CONSTRUCTION OBSTACLES OR MANUFACTURERS CHANGES.

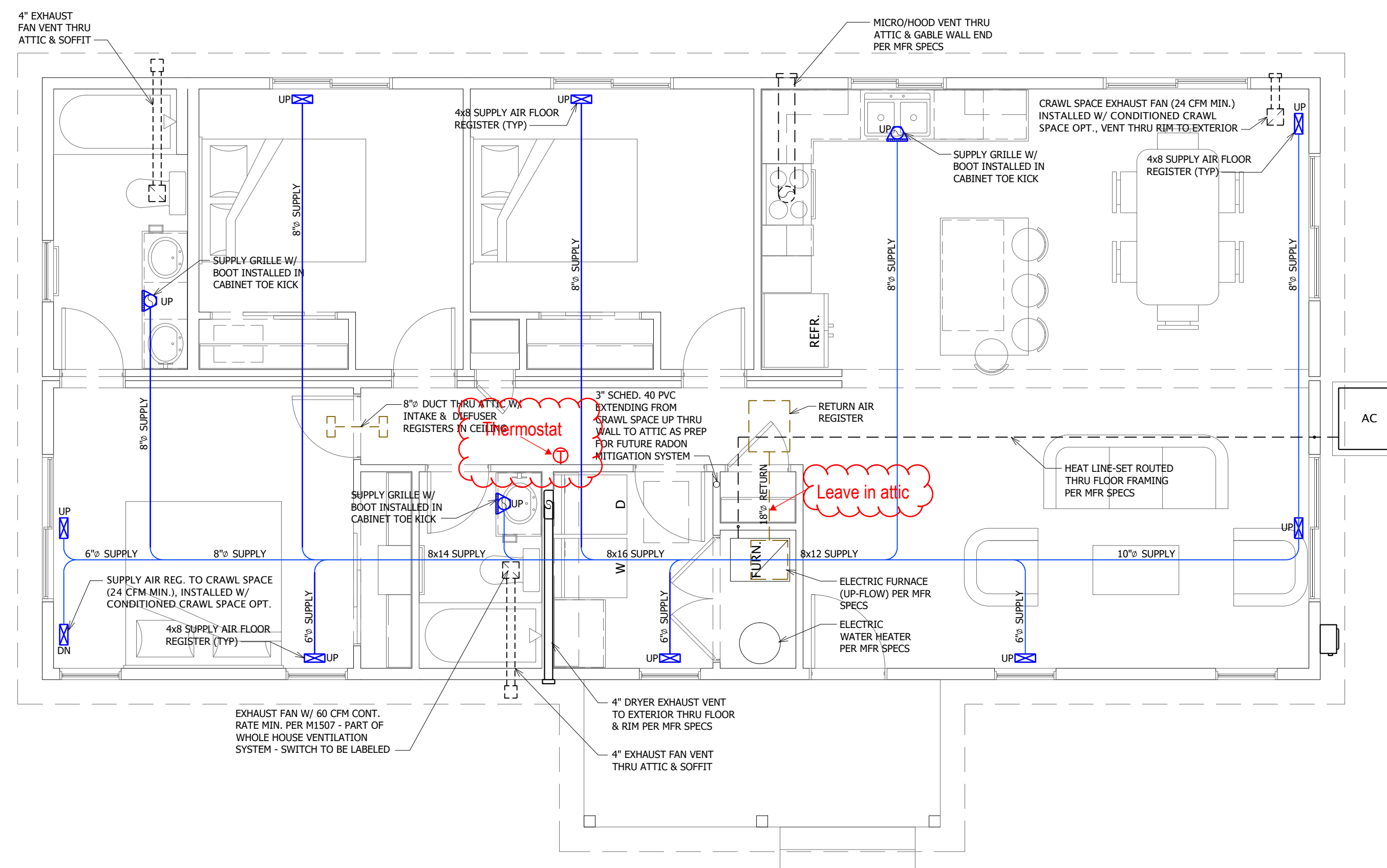
ARCH PUNKIN  
ASPEN MODEL

8 PUNKIN CENTER ROAD  
GANNETT, IDAHO 83313

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## MECHANICAL PLAN

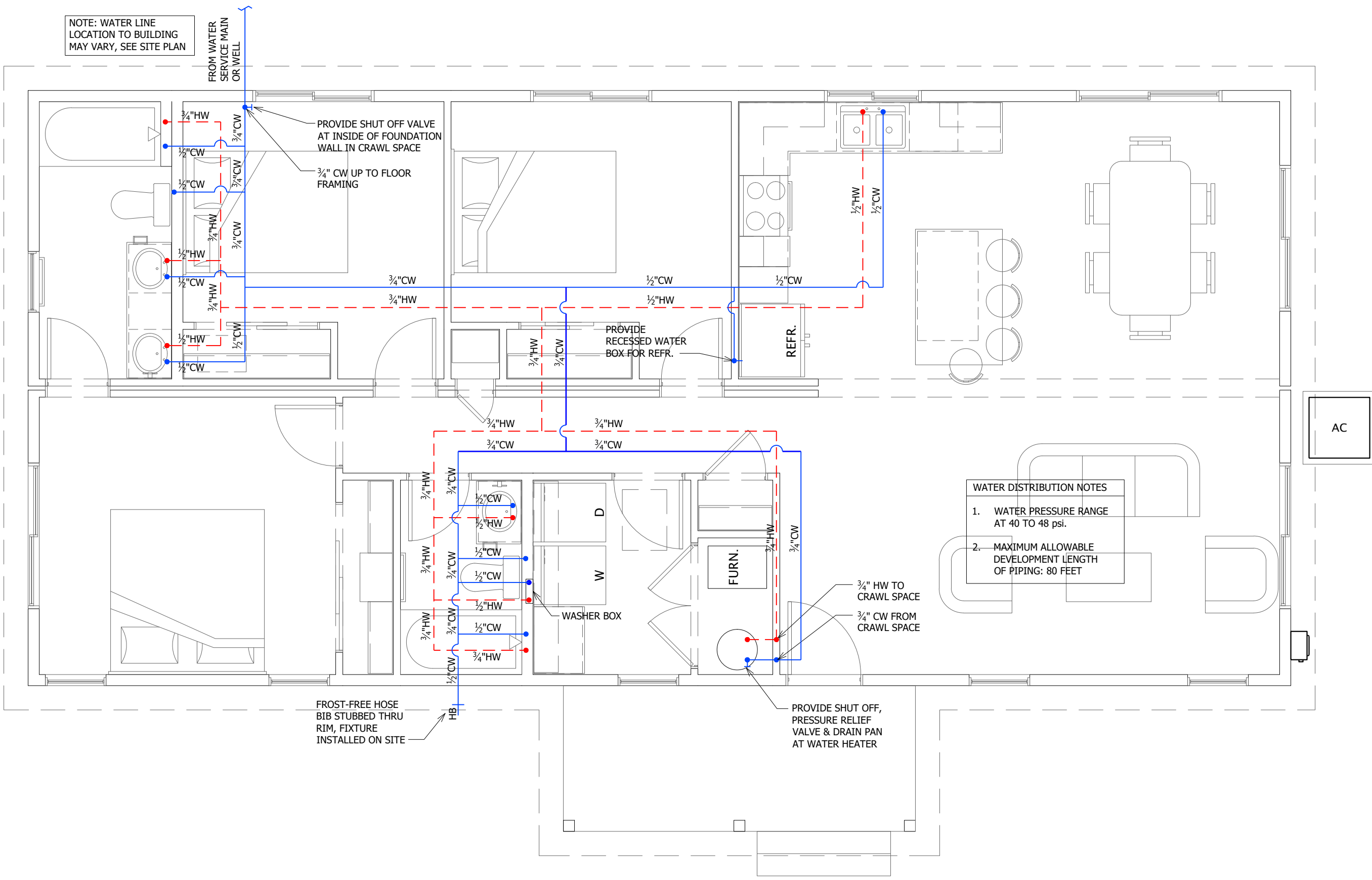
M1.1



## 1 MECHANICAL PLAN

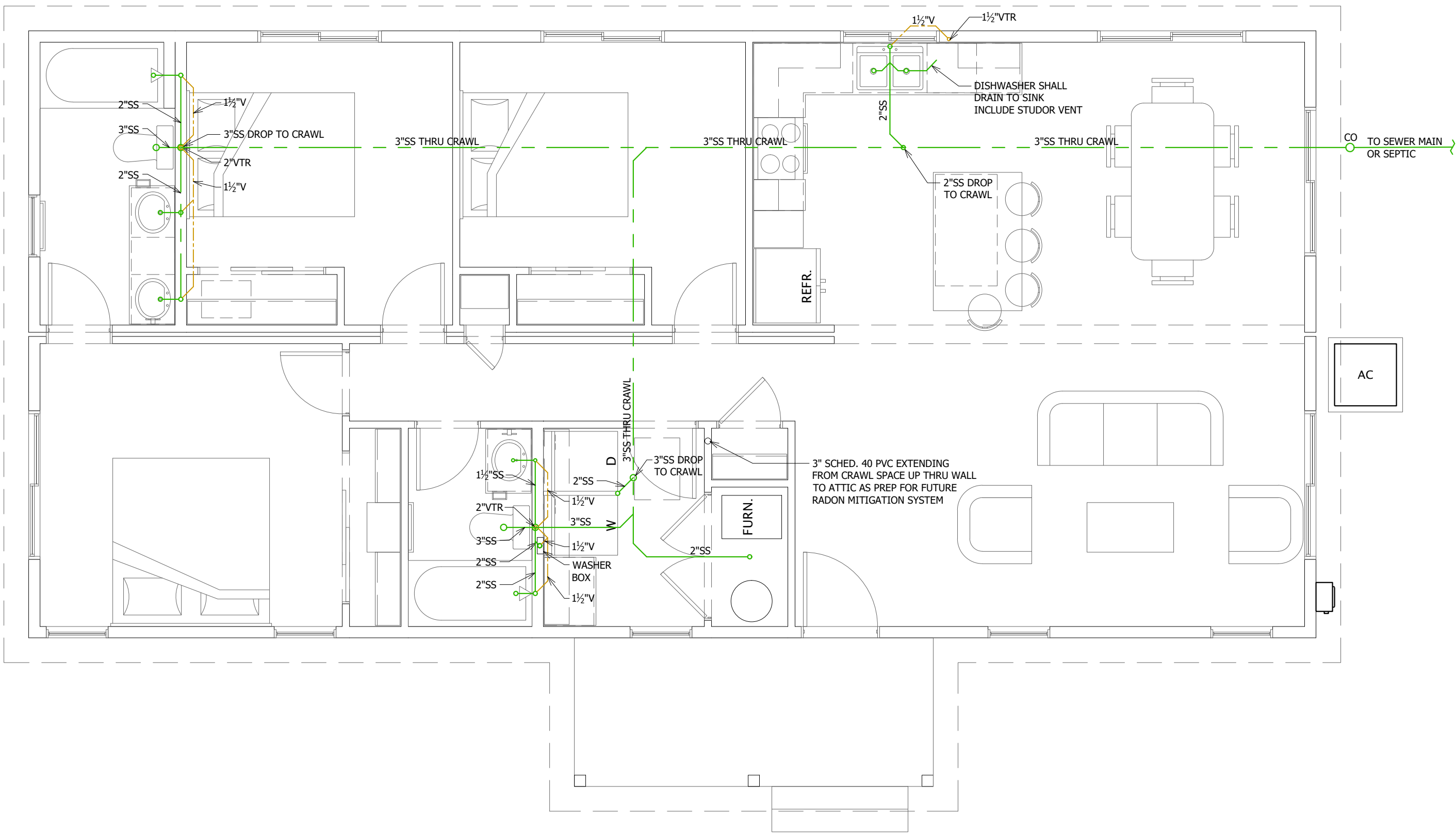
M1.1	SCALE: 1/4" = 1'-0"
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## 1 WATER DISRIBUTION PLAN

P1.1 SCALE: 1/4" = 1'-0"



## 2 SANITARY DRAIN & VENTING PLAN

P1.1 SCALE: 1/4" = 1'-0"

### PLUMBING NOTES:

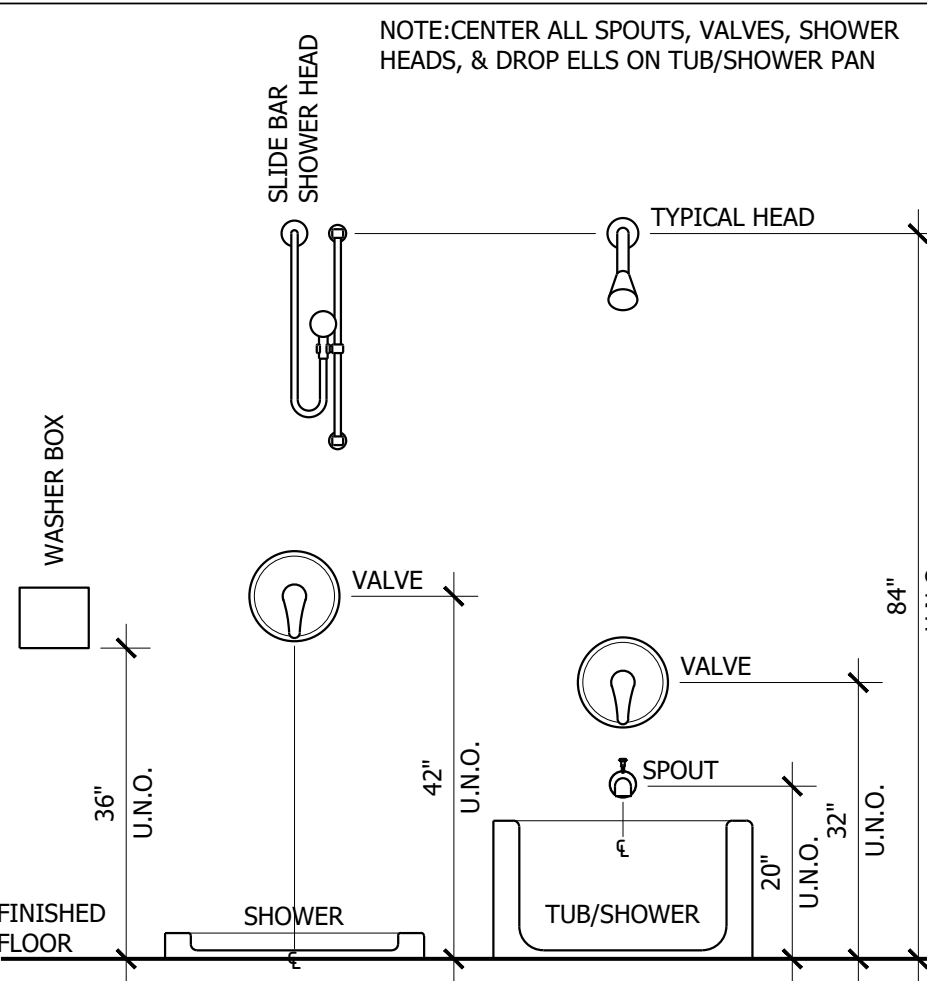
1. ALL WATER DISTRIBUTION PIPING TO BE ROUTED THRU MAIN LEVEL FLOOR FRAMING U.N.O..
2. ROUTING OF WATER DISTRIBUTION PIPING SHOWN FOR GENERAL REPRESENTATION PURPOSES, FINAL ROUTING TO BE DETERMINED BY PLUMBING INSTALLER.
3. WATER DISTRIBUTION PIPING SHALL BE CROSS-LINKED POLYETHYLENE PLASTIC (PEX) OR EQUAL AND INSTALLED PER P2906.3.
4. ALL JOINTS AND CONNECTIONS FOR WATER DISTRIBUTION PIPING SHALL BE INSTALLED PER P2902.
5. PIPE FITTINGS SHALL BE APPROVED FOR INSTALLATION WITH THE PIPING MATERIAL INSTALLED AND SHALL COMPLY WITH THE APPLICABLE STANDARDS INDICATED IN IRC TABLE 2906.6. PIPE FITTING USED IN WATER SUPPLY SYSTEMS SHALL COMPLY WITH NSF 61.
6. WATER HAMMER ARRESTORS SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED AS PER IRC P2903.5.
7. PROVIDE DRAIN PAN, PRESSURE RELIEF VALVE, AND SEISMIC STRAPPING AT WATER HEATER AS REQUIRED.
8. INSULATION FOR HOT WATER PIPING WITH A THERMAL RESISTANCE, R-VALUE, OF NOT LESS THAN R-3 SHALL BE APPLIED TO THE FOLLOWING PER IRC 1103.5.3:
  - 8.1. PIPING 3/4" INCH AND LARGER IN NOMINAL DIAMETER.
  - 8.2. PIPING LOCATED OUTSIDE THE CONDITIONED SPACE.
  - 8.3. PIPING FROM WATER HEATER TO A DISTRIBUTION MANIFOLD.
  - 8.4. PIPING LOCATED UNDER A FLOOR SLAB.
  - 8.5. BURIED PIPING.
9. HOSE BIB CONNECTIONS ARE TO BE EQUIPPED WITH AN ATMOSPHERIC OR PRESSURE TYPE VACUUM BREAKER PER IRC P2902.
10. STRUCTURAL PIPING PROTECTION SHALL BE PROVIDED PER IRC P2603.
11. ALL PIPING SHALL BE SUPPORTED PER IRC P2605.
12. ALL DRAIN PIPING TO BE ROUTED THROUGH FLOOR FRAMING & CRAWL SPACE U.N.O..
13. ROUTING OF DRAIN/VENT PIPING SHOWN FOR GENERAL REPRESENTATION PURPOSES, FINAL ROUTING TO BE DETERMINED BY PLUMBING INSTALLER.
14. MINIMUM SEWAGE DRAIN LINE SIZE PER 2018 IRC TABLE P3005.4.2. DRAIN LINES WILL BE PROVIDED WITH CLEANOUT IN JOIST SPACE FOR FACTORY TESTING.
15. FLOOR CLEANOUT SHALL NOT BE LOCATED MORE THAN 20' FROM AN ACCESS DOOR, TRAP DOOR OR CRAWL HOLE.
16. ALL DRAIN, WASTE AND VENT (DWV) PIPING SHALL BE ABS OR PVC AND SHALL BE INSTALLED PER IRC P3002.
17. ALL JOINTS AND CONNECTIONS IN THE DWV SYSTEM SHALL BE INSTALLED PER IRC P3003.
18. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPES NOT LESS THAN 1/4" UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) FOR 2 1/2" DIAMETER AND LESS, AND NOT LESS THAN 1/8" UNIT VERTICAL IN 12 UNITS HORIZONTAL (1% SLOPE) FOR DIAMETERS OF 3" INCHES OR MORE.
19. VERIFY REQUIREMENTS FOR EACH APPLIANCE AND FIXTURE WITH MANUFACTURER'S SPECIFICATIONS.
20. ALL FACTORY INSTALLED DRAIN PIPE WILL TERMINATE AT BOTTOM OF FLOOR JOIST. ALL BASEMENT/UNDER HOUSE TIE INS BY SITE CONTRACTOR.
21. STRUCTURAL PIPING PROTECTION SHALL BE PROVIDED PER IRC P2603.
22. ALL SANITARY PLUMBING VENT LINES TO BE COMBINED IN ATTIC SPACE INTO SINGLE LINE & TO TERMINATE HORIZONTALLY THRU NORTH GABLE END WALL AS NOTED ON BUILDING ELEVATIONS.

### PLUMBING LINE LEGEND:

HOT WATER	---
COLD WATER	---
SANITARY SEWER	---
VENT	---

### PLUMBING MOUNTING HEIGHTS

N.T.S.



ARCH PUNKIN  
ASPEN MODEL

8 PUNKIN CENTER ROAD  
GANNETT, IDAHO 83313

STATE SUBMITTAL	DATES
	01/14/2024

PLUMBING  
PLANS



GENERAL:

UNLESS NOTED OTHERWISE, ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC 2018). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS AT THE JOB SITE, AND TO FULLY COORDINATE ALL DIMENSIONS AND CONDITIONS OF DETAILS WITH OTHER DISCIPLINES. ANY FIELD CONDITIONS REQUIRING CONSTRUCTION THAT IS DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. ANY CONFLICTING DETAILS SHOWN IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE CONSTRUCTION OF SAID DETAIL. DO NOT SCALE DRAWINGS. ANY QUESTIONS REGARDING THE CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT IN THE FORM OF A WRITTEN REQUEST FOR INFORMATION.

THESE STRUCTURAL DRAWINGS ARE AN INTEGRAL PART OF THE ENTIRE CONSTRUCTION PROJECT AND MUST BE COORDINATED WITH ALL TRADES INVOLVED. IT IS CRUCIAL TO ENSURE PROPER COORDINATION AND COMMUNICATION BETWEEN THE STRUCTURAL DESIGN AND OTHER DISCIPLINES SUCH AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND OTHER TRADE-SPECIFIC DRAWINGS SHOULD BE PROMPTLY ADDRESSED AND RESOLVED BY THE PROJECT TEAM. COORDINATION MEETINGS AND REGULAR COMMUNICATION AMONG ALL PARTIES INVOLVED ARE ESSENTIAL TO ACHIEVE A SUCCESSFUL AND WELL-COORDINATED CONSTRUCTION PROJECT. ANY MODIFICATIONS OR CHANGES TO THE STRUCTURAL DESIGN SHOULD BE COMMUNICATED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD TO MAINTAIN THE INTEGRITY AND SAFETY OF THE STRUCTURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL TRADES TO REVIEW AND COORDINATE THESE STRUCTURAL DRAWINGS WITH OTHER DISCIPLINES TO ENSURE A COHESIVE AND HARMONIOUS CONSTRUCTION PROCESS.

ALL SUPPORT OF CONSTRUCTION LOADS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SHORING AND BRACING REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING THE CONSTRUCTION PROCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL PROCEDURES OF SOIL EXCAVATION, BACK FILL, AND SUPPORT OF ADJACENT PROPERTY DURING EARTHWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

ALL DIMENSIONS INDICATED ON PLANS SHALL BE TO FACE OF STUDS, FACE OF CONCRETE BLOCK, FACE OF ROUGH CONCRETE, CENTERLINE OF COLUMNS, BOTTOM OF METAL DECK, AND TOP OF SLAB, UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT INDICATED ON STRUCTURAL DRAWINGS. THE FOLLOWING DESIGN CRITERIA SHALL BE ENFORCED,

ROOF DEAD LOAD: 15 PSF  
ROOF LIVE LOAD: 20 PSF  
GROUND SNOW LOAD- 93 PSF  
ROOF SNOW LOAD: 65 PSF  
FLOOR DEAD LOAD: 15 PSF  
FLOOR LIVE LOAD: 40 PSF  
DECK DEAD LOAD: 15 PSF  
DECK LIVE LOAD: 60 PSF  
WIND FORCES:  
BASIC WIND SPEED: 105 MPH (ULTIMATE WIND SPEED)  
WIND EXPOSURE TYPE: C  
WIND IMPORTANCE FACTOR: 1.0  
SEISMIC RISK CATEGORY II  
S<sub>DS</sub> = 0.34  
S<sub>DI</sub> = 0.19  
SITE CLASS D  
SEISMIC DESIGN CATEGORY C  
BASIC LF<sub>RS</sub> = LIGHT FRAMED WALLS WITH SHEAR PANELS  
R=6.5  
W WEIGHT OF STRUCTURE:  
DESIGN BASE SHEAR - 0.052W (ULTIMATE)  
0.037W (SERVICE)  
DESIGN PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATIONS:

MAXIMUM ALLOWABLE SOIL PRESSURE = 1,500 PSF PER 2018 IBC CHAPTER 18.

ALL FOOTING DEPTHS INDICATED ON PLANS ARE MINIMUM DEPTHS. FOOTINGS MAY BE PLACED IN NEAT EXCAVATED TRENCHES. TRENCH SHALL BE APPROVED BY INSPECTOR PRIOR TO PLACEMENT OF CONCRETE. AT LOCATIONS WHERE STRUCTURAL FILL IS REQUIRED, FILL SHALL BE PLACED IN 6" LIFTS & COMPACTED AT OPTIMUM MOISTURE CONTENT.

CONCRETE:

ALL CONCRETE MATERIALS SHALL COMPLY WITH THE STANDARDS SPECIFIED IN THE LATEST EDITION OF THE ACI 318 BUILDING CODE. EACH MIX DESIGN SHALL BE REVIEWED BY AN APPROVED INDEPENDENT LABORATORY, AND SHALL BE SUBMITTED TO THE ENGINEER AT LEAST 2 WEEKS PRIOR TO THE PLACEMENT OF CONCRETE.

CONCRETE TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY. THE TESTING AGENCY SHALL TEST (4) CYLINDERS FROM EACH CLASS OF CONCRETE USED EACH DAY. A MINIMUM OF (1) SAMPLE MUST BE TAKEN FROM EACH 50 CUBIC YARDS OF CONCRETE.

LOCATION	SPECIAL INSPECTION.	SLUMP (MAX)	AGGREGATE (MAX SIZE)	COMPRESSIVE STRENGTH (PSI)
FOOTING	NO	5	1" DIA	3000 (2500 WAS USED FOR DESIGN)
STEM WALLS	NO	5	1" DIA	3000 (2500 WAS USED FOR DESIGN)

ANY CONCRETE THAT FAILS TO MEET SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, DESIGN, PLACEMENT AND REMOVAL OF ALL FORMWORK. ALL SHORING DURING PLACEMENT OF CONCRETE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONCRETE REINFORCING:

ALL REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60, F<sub>y</sub>=60,000 PSI MIN., UNLESS NOTED OTHERWISE. BARS SHALL BE TIED SECURE PRIOR TO PLACEMENT OF CONCRETE TO MAINTAIN PROPER PLACEMENT AFTER CONCRETE IS IN PLACE. LAP ALL BARS 40 DIAMETERS UNLESS NOTED OTHERWISE. SPLICE BARS ONLY WHERE SHOWN ON PLANS.

MAINTAIN THE FOLLOWING CONCRETE COVERAGES FOR CONCRETE REINFORCING:

UNFORMED SURFACES IN CONTACT WITH EARTH.....3"  
FORMED SURFACES IN CONTACT WITH EARTH.....2"  
FORMED SURFACES EXPOSED TO OUTSIDE WEATHER.....2"  
SLABS AND WALLS NOT EXPOSED TO WEATHER.....1 ½"  
CLEAR DISTANCE BETWEEN BARS.....2" U.N.O.

SHOP DRAWINGS OF ALL BARS AND LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. NORMAL WEIGHT CONCRETE SHALL HAVE A UNIT WEIGHT OF POUNDS PER CUBIC FOOT. USE OF CALCIUM CHLORIDE IS NOT PERMITTED IN ANY CONCRETE MIXES. ALL OTHER ADDITIVES AND ADMIXTURES MUST HAVE THE WRITTEN APPROVAL OF THE ENGINEER. THE ENGINEER SHALL HAVE 10 BUSINESS DAYS TO REVIEW SHOP DRAWINGS.

LAMINATED VENEER LUMBER:

ALL LAMINATED VENEER LUMBER SHALL CONFORM TO THE SPECIFICATIONS OF TRUSS JOIST McMILLIAN CORPORATION FOR VENEER LUMBER, OR ENGINEER APPROVED EQUIVALENT. DESIGN VALUES SHALL MEET OR EXCEED THOSE PUBLISHED VALUES IN THE TRUSS JOIST McMILLIAN PRODUCT GUIDE, LATEST EDITION. A COMPLETE SET OF STRUCTURAL SHOP DRAWINGS, INDICATING MEMBERS AND PLACEMENT SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE FABRICATION OF THE MEMBERS. THE ENGINEER SHALL HAVE 10 BUSINESS DAYS TO REVIEW SHOP DRAWINGS.

PLYWOOD WEB JOIST:

ALL WOOD I-JOIST SHALL CONFORM TO THE SPECIFICATIONS OF TRUSS JOIST McMILLIAN CORPORATION FOR TJI JOISTS, OR ENGINEER APPROVED EQUAL. DESIGN VALUES SHALL MEET OR EXCEED THOSE PUBLISHED VALUES IN THE TRUSS JOIST McMILLIAN TJI JOIST PRODUCT GUIDE, LATEST EDITION. A COMPLETE SET OF STRUCTURAL SHOP DRAWINGS, INDICATING MEMBERS AND PLACEMENT SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE FABRICATION OF THE JOISTS. THE ENGINEER SHALL HAVE 10 BUSINESS DAYS TO REVIEW SHOP DRAWINGS.

SHEATHING:

SHEATHING SHALL BE A.P.A. RATED, SEE PLAN FOR SPAN RATING AND THICKNESS.  
SHEATHING INSTALLATION:  
ROOF AND FLOOR SHEATHING SHALL BE LAID WITH THE FACE GRAIN PERPENDICULAR TO THE FRAMING MEMBERS U.N.O. AND END JOINTS SHALL BE STAGGERED. WALL SHEATHING MAY BE APPLIED HORIZONTALLY OR VERTICALLY.  
ALL NAILS SHALL BE COMMON WIRE NAILS U.N.O. EQUIVALENT PNEUMATIC DRIVEN NAILS MAY BE USED IF FASTENER MANUFACTURER HAS CURRENT I.C.C. APPROVAL. FASTENERS TO BE USED SHALL BE EQUIVALENT IN LATERAL AND WITHDRAWAL STRENGTH TO THE SIZE COMMON NAIL SPECIFIED.

ROOF SHEATHING:

EDGE BLOCKING OF UNSUPPORTED EDGES OF SHEATHING AS NOTED ON PLANS. PLY CLIPS OR APPROVED EQUAL CONNECTOR SHALL BE INSTALLED AT MID SPAN BETWEEN EACH SUPPORT WHEN RAFTER SPACING EXCEEDS 16" AND EDGE BLOCKING IS NOT SPECIFIED.

TYPICAL NAILING SHALL BE 8d @ 6" O.C. AT SUPPORTED EDGES AND OVER SHEAR WALLS AND 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

FLOOR SHEATHING:

EDGE BLOCKING OF UNSUPPORTED EDGES OF SHEATHING AS NOTED ON PLANS.

TYPICAL NAILING SHALL BE 10d @ 6" O.C. ALL SUPPORTED EDGES AND OVER SHEAR WALLS, AND 10d @ 12" O.C. ALL INTERMEDIATE SUPPORTS U.N.O. USE RING SHANK NAILS.

ALL FLOOR SHEATHING SHALL BE GLUED TO JOISTS. THE FIELD-GLUED FLOOR SYSTEM SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATION OF THE AMERICAN PLYWOOD ASSOCIATION. GLUE SHALL BE APPLIED TO THE JOISTS AND TO THE GROOVE IN THE EDGE OF THE T & G PANELS. GLUE SHALL MEET THE REQUIRE MENTS OF THE AMERICAN PLYWOOD ASSOCIATION ADHESIVE SPEC. AFG-D1 AND SHALL BE APPLIED AS DIRECTED BY THE GLUE MANUFACTURER. GLUE MAY BE APPLIED MANUALLY OR WITH PNEUMATIC OF ELECTRIC EQUIPMENT.

ROUGH CARPENTRY:

FRAMING LUMBER SHALL MEET THE FOLLOWING MINIMUM STANDARD U.N.O.  
USE SPECIES GRADE  
SILL PLATES 2 x 4 H.F. STANDARD OR BETTER.  
2 x 6, 2 x 8 H.F. NO. 2 OR BETTER.  
ALL SILL PLATES IN CONTACT WITH CONCRETE OR MASONRY, SHALL BE PRESSURE TREATED OR CALIFORNIA REDWOOD.

HORIZONTAL FRAMING LUMBER: (UNO)  
4x4 AND SMALLER H.F. NO. 2  
2x ROOF JOISTS & RAFTERS H.F. NO. 2  
2x FLOOR JOISTS H.F. NO. 2  
3x LEDGERS H.F. NO. 1  
4x HEADERS & BEAMS H.F. NO. 1  
6x6 & LARGER BEAMS H.F. NO. 1

VERTICAL FRAMING LUMBER: (U.N.O.)  
ALL STUDS H.F. NO. 2  
ALL POSTS H.F. NO. 1  
ALL OTHER LUMBER U.N.O H.F. STANDARD OR BETTER.

PROVIDE A MINIMUM OF (2) STUDS UNDER ALL BEAM BEARING LOCATIONS UNO. PROVIDE A MINIMUM OF (3) STUDS UNDER ALL GIRDER TRUSS BEARING LOCATIONS UNO. WHERE POSTS OR MULTIPLE STUDS UNDER BEAMS OR HEADERS ARE IDENTIFIED ON DRAWINGS, THOSE POSTS OR MULTIPLE STUDS SHALL BE CARRIED TO THE FOUNDATION. BLOCK JOISTS AT ALL SUPPORTS. DOUBLE JOISTS UNDER PARALLEL PARTITIONS. BLOCK UNDER PERPENDICULAR PARTITIONS AT 32" O.C.

JOISTS HANGERS AND OTHER METAL FRAMING ACCESSORIES ARE REFFERD TO ON PLANS BY PARTICULAR TYPE AS MANUFACTURED BY SIMPSON COMPANY, SAN LEANDRO CALIFORNIA. ACCESSORIES OF OTHER MANUFACTURER WITH EQUIVALENT LOAD CARRYING CHARACTERISTICS MAY BE USED, WHEN APPROVED BY ENGINEER.

BOLTS: HOLES IN WOOD 1/16" OVERSIZE MAX. USE WASHERS AGAINST WOOD. RETIGHTEN ALL BOLTS BEFORE CLOSING IN. PRE-DRILL HOLES FOR LAG BOLTS AND TURN BOLTS INTO HOLES. DO NOT DRIVE-IN. FIRE STOPPING, BACKING FOR INTERIOR FINISHES, NON-BEARING WALLS AND OTHER NON-STRUCTURAL FRAMING IS NOT NECESSARILY SHOWN ON THE STRUCTURAL DRAWINGS.  
SEE FASTENING SCHEDULE (U.N.O.) PER IBC 2018 TABLE 2304.91.

↕↕↕

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*Larry P. Palko*

20173

01/14/2025

2 OF 13

CODY R. PALMER

ARCH PUNKIN

ASPEN MODEL

8 PUNKIN CENTER ROAD

BLAINE COUNTY, IDAHO

REVISIONS

REV	DATE	DESCRIPTION
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PROJECT NO:

24780

DRAWN BY:

ABS

CHECKED BY:

CP

DATE:

01/10/25

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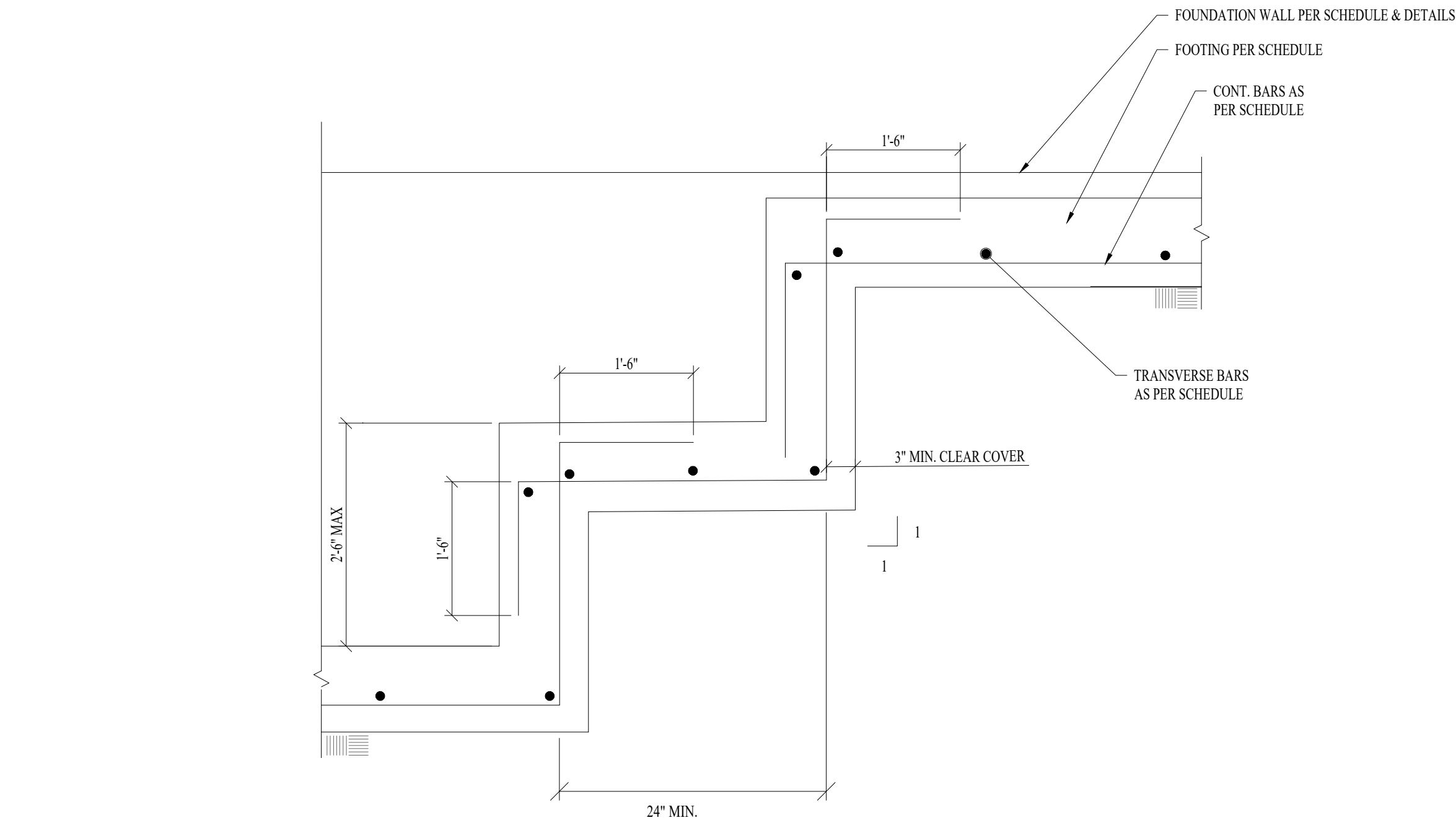
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GENERAL

NOTES

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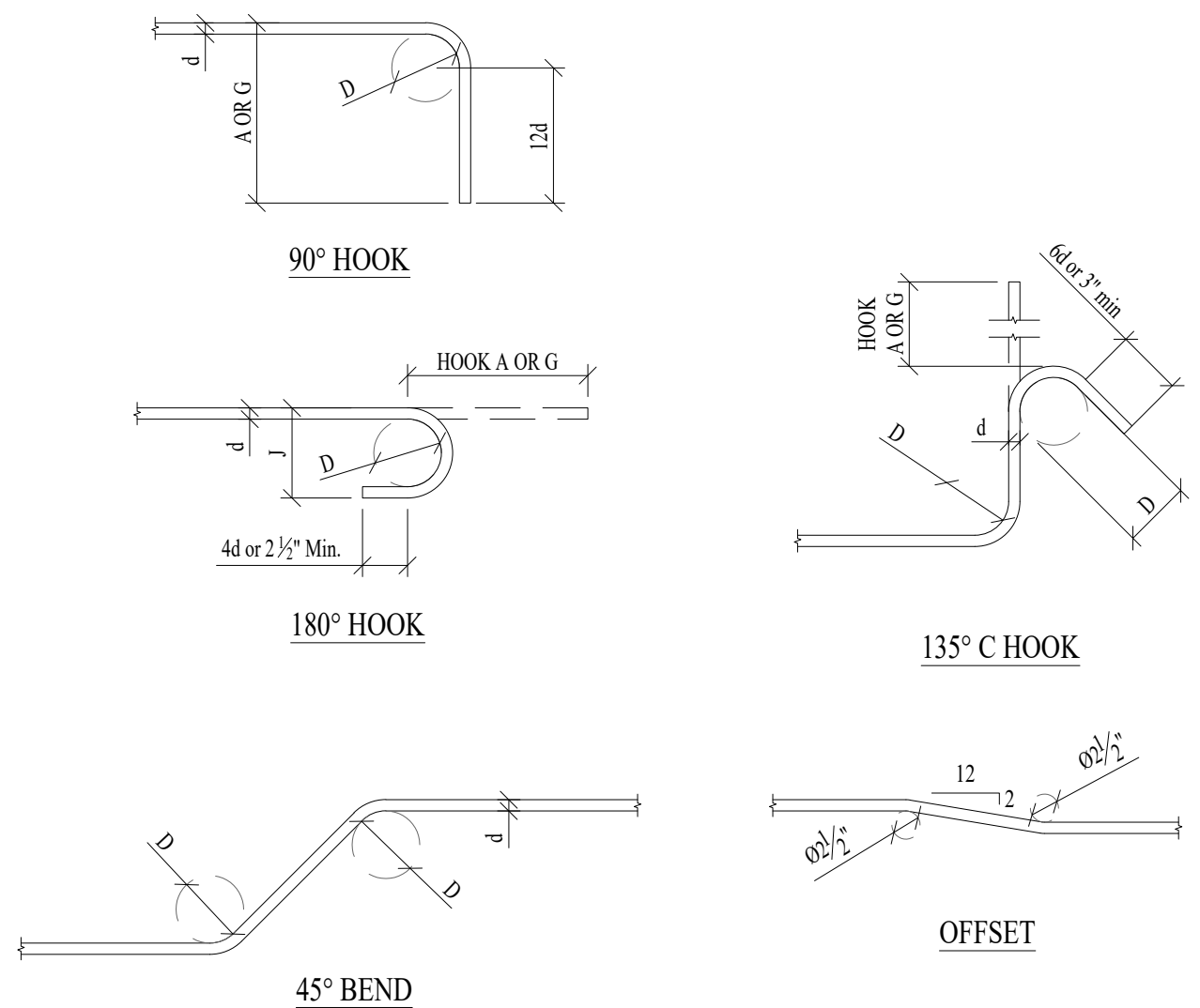


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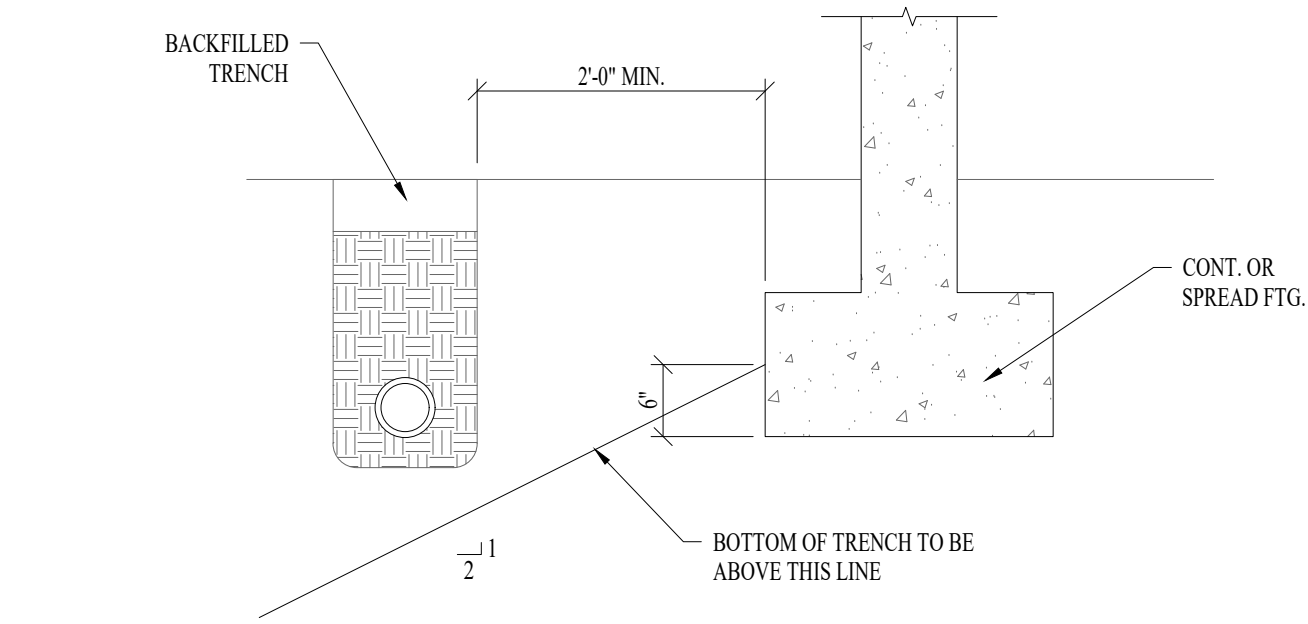
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U S	#3	2 1/2"	60	5	U S	125	3	U S	80	6	U S	1 1/2"	40	4"	U S	105	4	U S	2 1/2"	65	
#4	#13	3	80	6	160	4	105	8	200	2"	50	4 1/2"	115	4 1/2"	115	3"	80				
#5	#16	3 1/2"	96	7	175	5	130	10	250	2 1/2"	65	6"	155	5 1/2"	140	3 3/4"	95				
#6	#19	4 1/2"	115	8	200	6	155	1'-0"	300	4 1/2"	115	1'-0"	305	8"	205	4 1/2"	115				
#7	#22	5 1/2"	135	10	250	7	180	1'-2"	375	5 1/2"	135	1'-2"	355	9"	230	5 1/2"	135				
#8	#25	6"	155	1'-1"	275	8	206	1'-4"	425	6"	155	1'-4"	410	10 1/2"	270	6	155				
#9	#29	9"	240	1'-3"	375	11 1/2"	300	1'-7"	475												
#10	#32	10 1/2"	275	1'-7 1/2"	425	1'-1 1/2"	335	1'-10"	550												
#11	#36	11 1/2"	305	1'-9 1/2"	475	1'-2 1/2"	375	2'-0"	600												
#14	#43	16 3/8"	465	2'-3"	675	1'-9 1/2"	550	2'-7"	775												
#18	#57	22 1/8"	610	3'-0"	925	2'-4 1/2"	725	3'-5"	1050												

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SI UNITS: MM

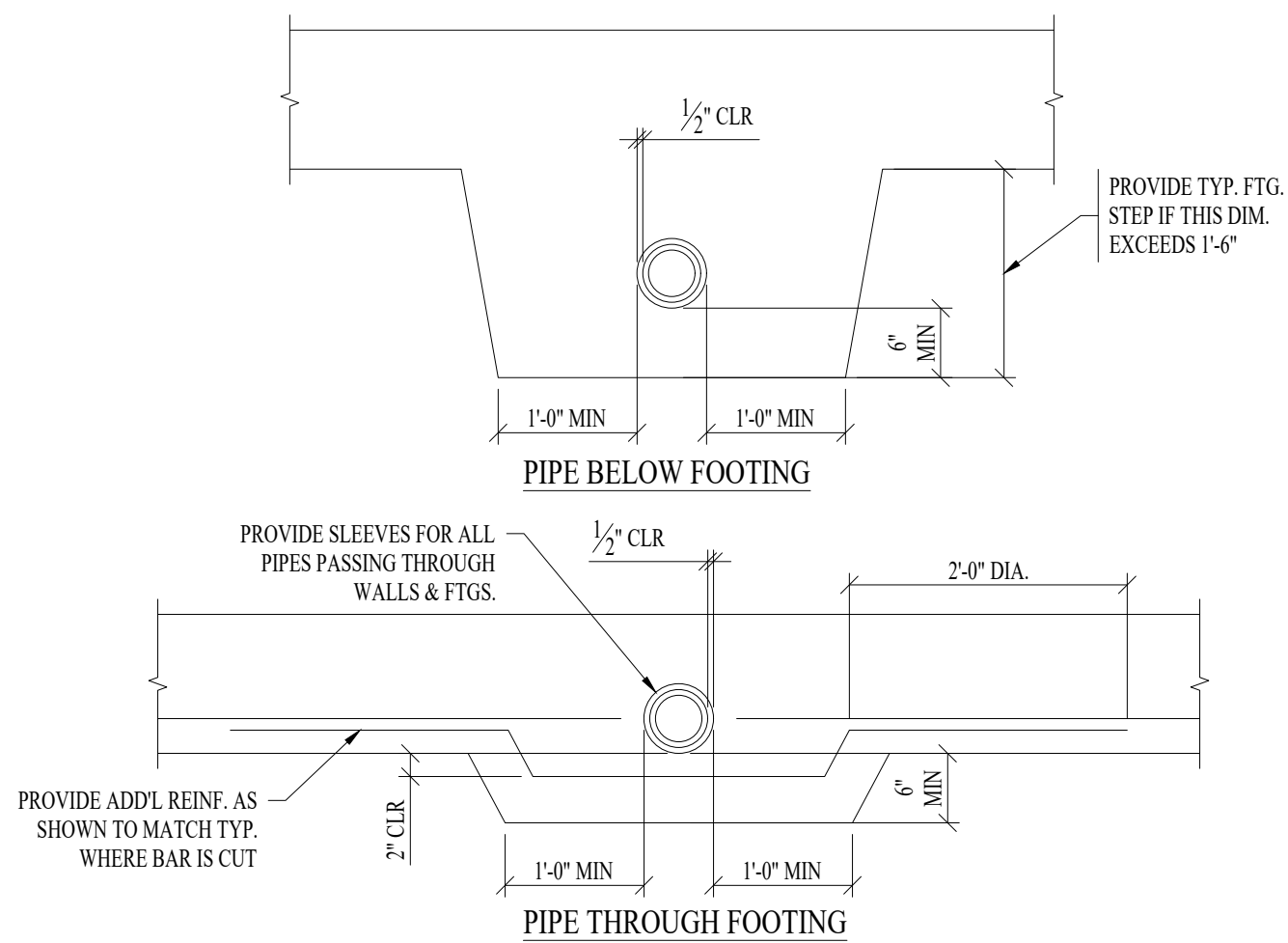
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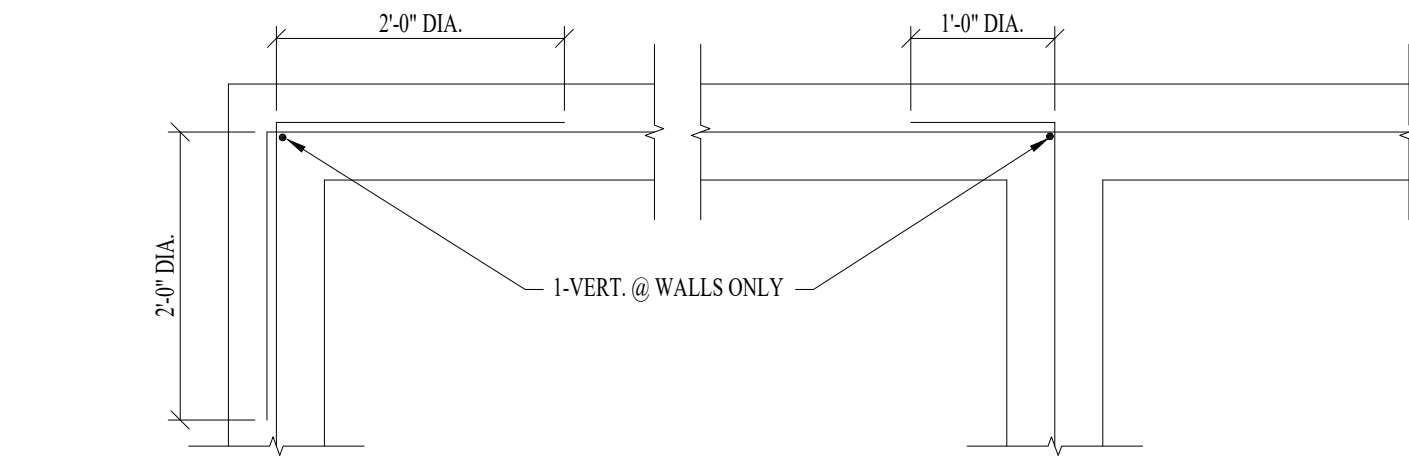
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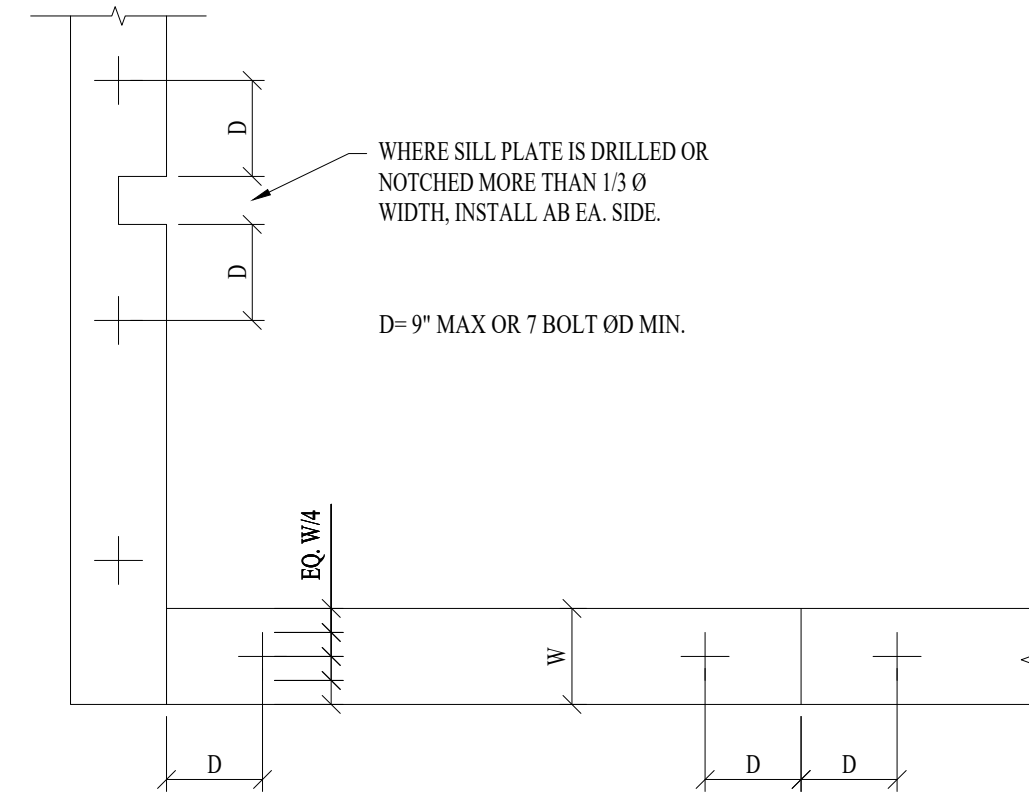
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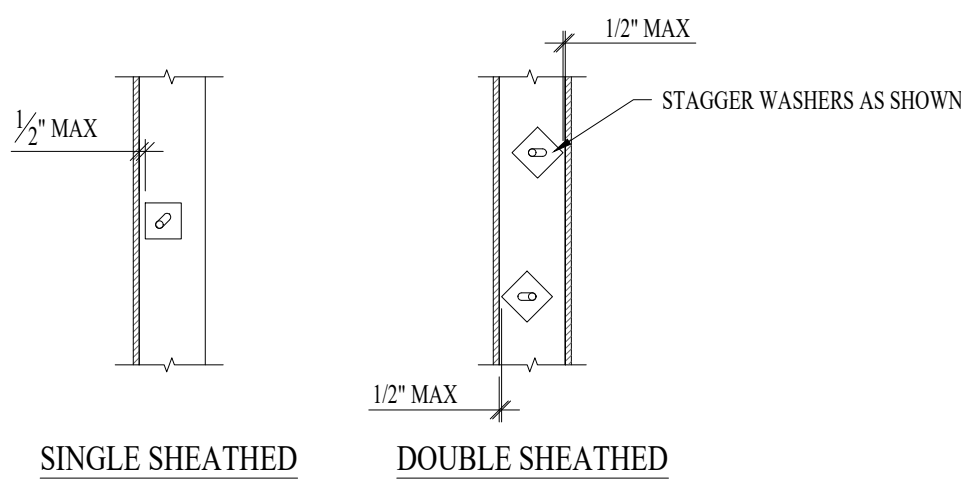
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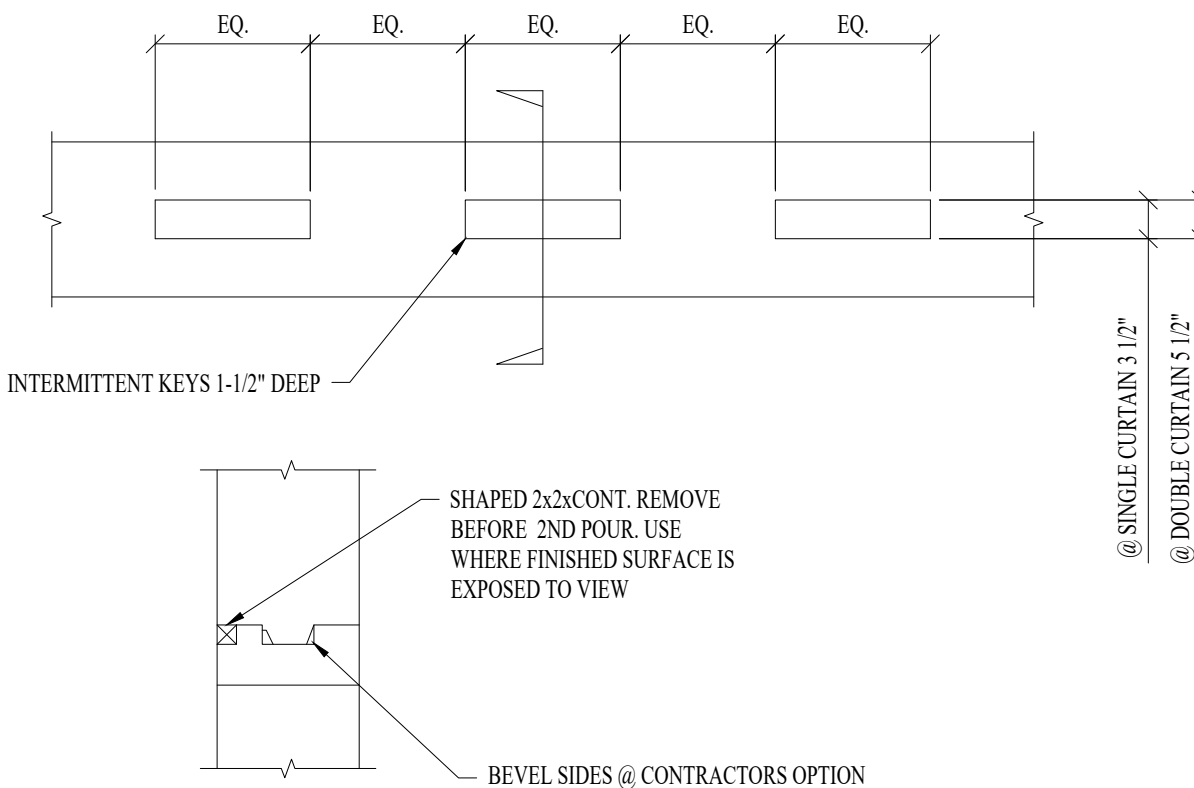
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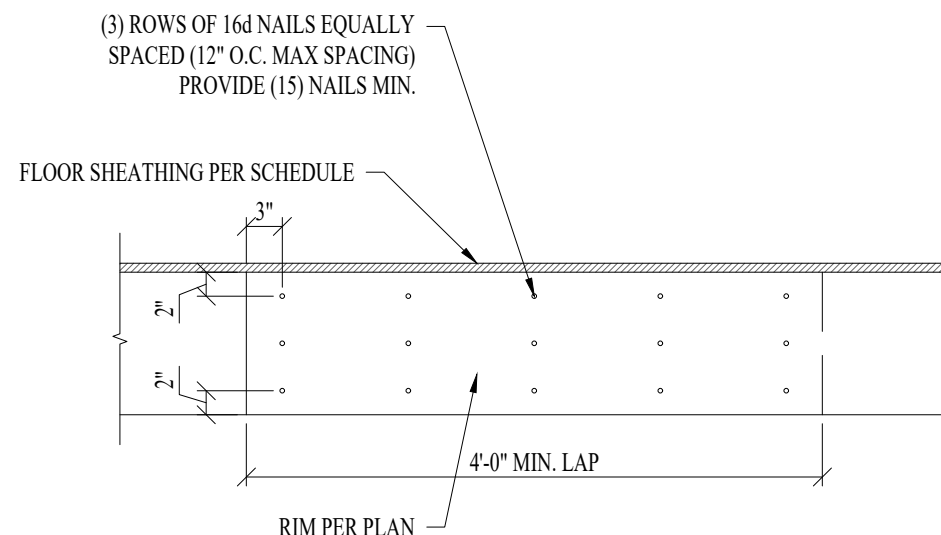
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4-B  
S0.01 / 3/4"=1'-0"



3-A  
S0.01 / 3/4"=1'-0"



4-A  
S0.01 / N.T.S.



ARCH PUNKIN  
ASPEN MODEL  
8 PUNKIN CENTER ROAD  
BLAINE COUNTY, IDAHO

REVISIONS		DESCRIPTION	
REV	DATE	DESCRIPTION	

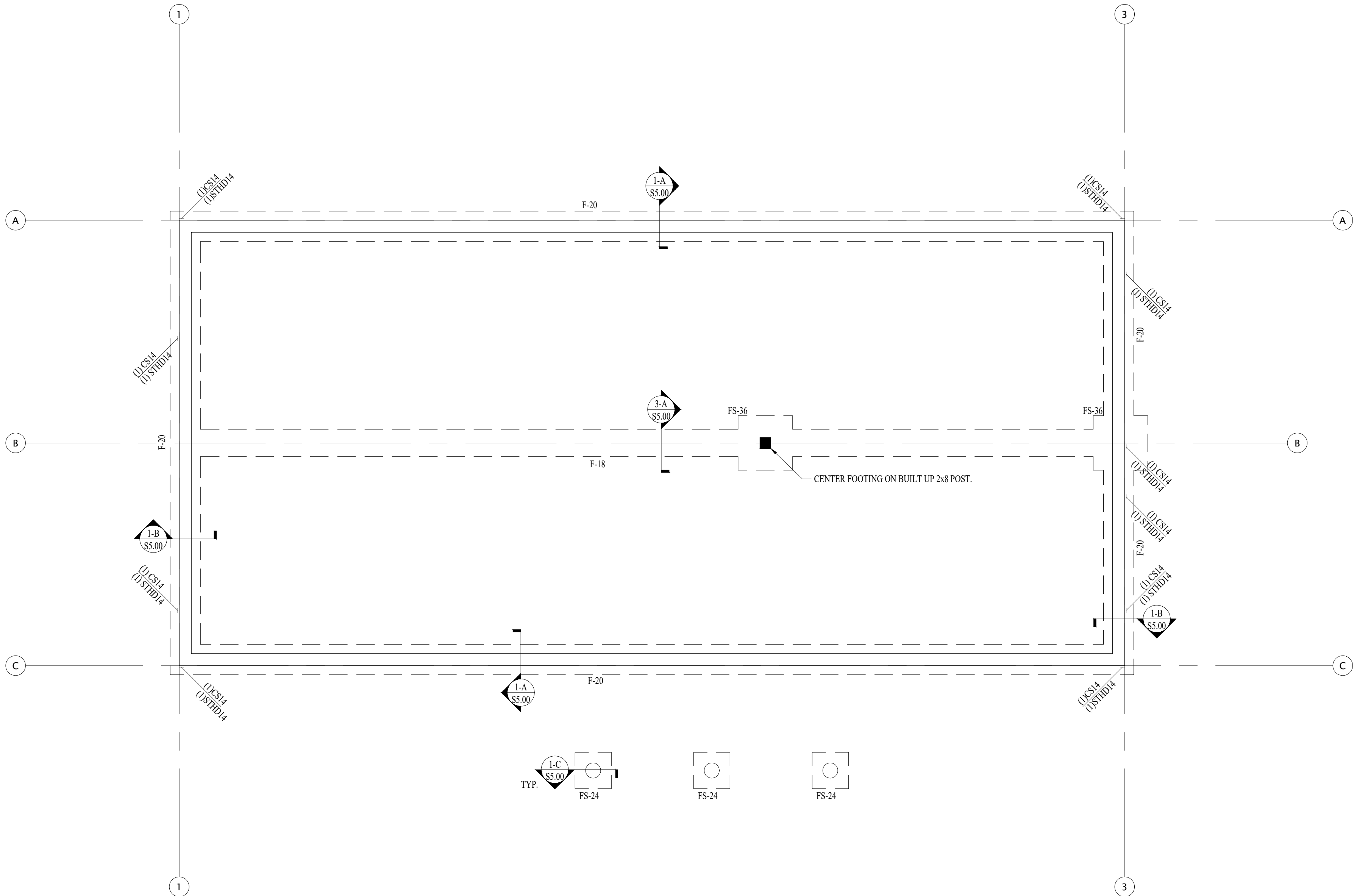
PROJECT NO:	24780
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CHECKED BY:	CP
DATE:	01/10/25
SHEET:	02 OF 08

TYPICAL  
STRUCTURAL  
DETAILS

S0.01



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FOOTING SCHEDULE											
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE				REINFORCING LENGTHWISE			
				NO	SIZE	LENGTH	SPACING	NO	SIZE	LENGTH	SPACING
F-20	20"	CONT	10"	-	-	-	-	2	#4	CONT.	EQ
F-18	18"	CONT	12"	-	-	-	-	2	#4	CONT.	EQ
FS-24	24"	24"	12"	3	#4	18"	EQ	3	#4	18"	EQ
FS-36	36"	36"	12"	4	#4	30"	EQ	4	#4	30"	EQ

NOTES:

SEE STEPPED FOUNDATION DETAIL FOR FOOTING SIZE WHERE STEPPED FOUNDATION OCCURS.

FOUNDATION PLAN NOTES:

CONTRACTOR/RESIDENTIAL DESIGNER TO VERIFY PLANS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.

ALL EXTERIOR AND INTERIOR SHEAR WALLS SHALL BE ANCHORED TO FOUNDATION WITH 5/8" DIA. X 10" LONG (7" EMBED) ANCHOR RODS AT 32" O.C. WITH STANDARD ROUND CUT WASHER AND 3" X 3" X 0.229" PLATE WASHERS. ALL OTHER EXTERIOR WALLS AND BEARING WALLS TO BE FASTENED WITH 5/8" DIA. X 10" LONG (7" EMBED) ANCHOR RODS AT 72" O.C. WITH STANDARD ROUND CUT WASHER AND 3" X 3" X 0.229" PLATE WASHERS UNLESS NOTED OTHERWISE.

(X)CS14 (X)STHD14 - INDICATES LOCATION OF SIMPSON CS14 STRAP WALL TO RIM AND STHD14 RIM TO STEM WALL STRAP SEE DETAIL 2-A/S5.00. (X) INDICATES NUMBER OF STRAP



ARCH PUNKIN  
ASPEN MODEL  
8 PUNKIN CENTER ROAD  
BLAINE COUNTY, IDAHO

REVISIONS		DESCRIPTION	
REV	DATE		

PROJECT NO: 24780  
DRAWN BY: ABS  
CHECKED BY: CP  
DATE: 01/10/25  
SHEET: 03 OF 08

FOOTING &  
FOUNDATION  
PLAN

S1.00

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FLOOR FRAMING PLAN NOTES

SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

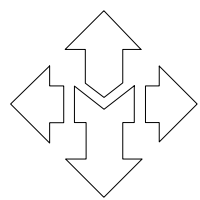
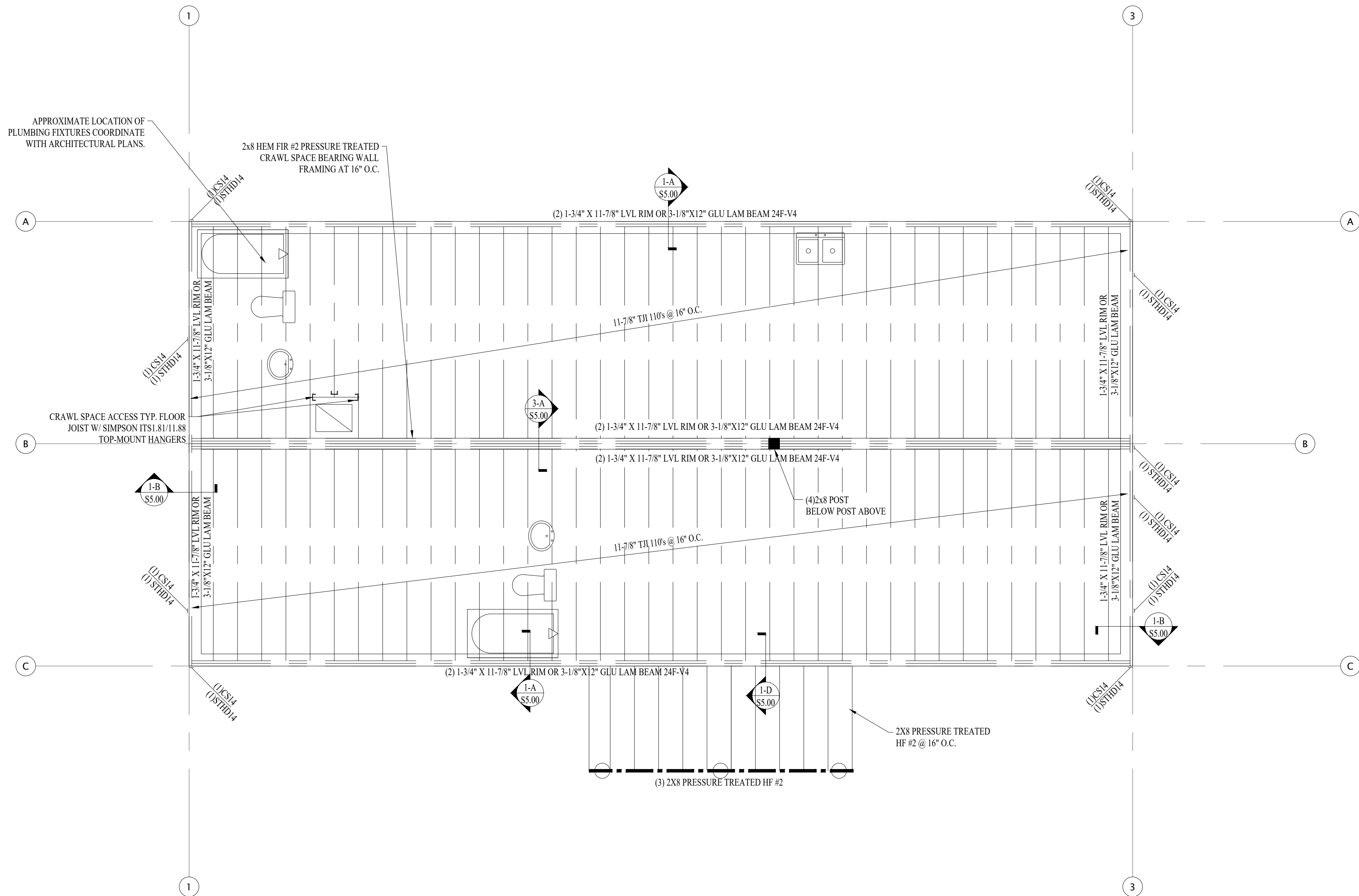
SEE SHEATHING SCHEDULE FOR FLOOR SHEATHING STRUCTURAL REQUIREMENTS.

WHERE REQUIRED, USE THE FOLLOWING HANGERS FOR THE LISTED BEAM OR JOIST UNLESS NOTED OTHERWISE:

BEAM OR JOIST	HANGER SIZE
11-7/8" TJI 110:	IUS1.81/11.88
2X8 HF	LUS28

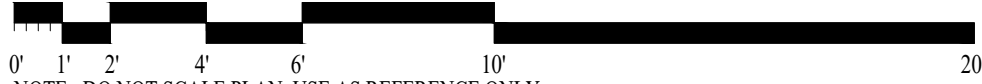
(X) CS14  
(X) STHD14

-INDICATES LOCATION OF SIMPSON CS14 STRAP WALL TO RIM AND STHD14 RIM TO STEM WALL STRAP SEE  
DETAIL 2-A/S5.00. (X) INDICATES NUMBER OF STRAPS



## MAIN FLOOR FRAMING PLAN

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



**NOTE:** DO NOT SCALE PLAN. USE AS REFERENCE ONLY  
VERIFY ALL DIMENSIONS ON ARCHITECTURAL PLANS

**ARCH PUNKIN  
ASPEN MODEL**

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**8 PUNKIN CENTER ROAD  
BLAINE COUNTY, IDAHO**

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SHEET: 04 OF 08

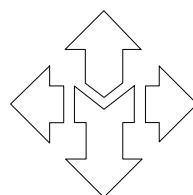
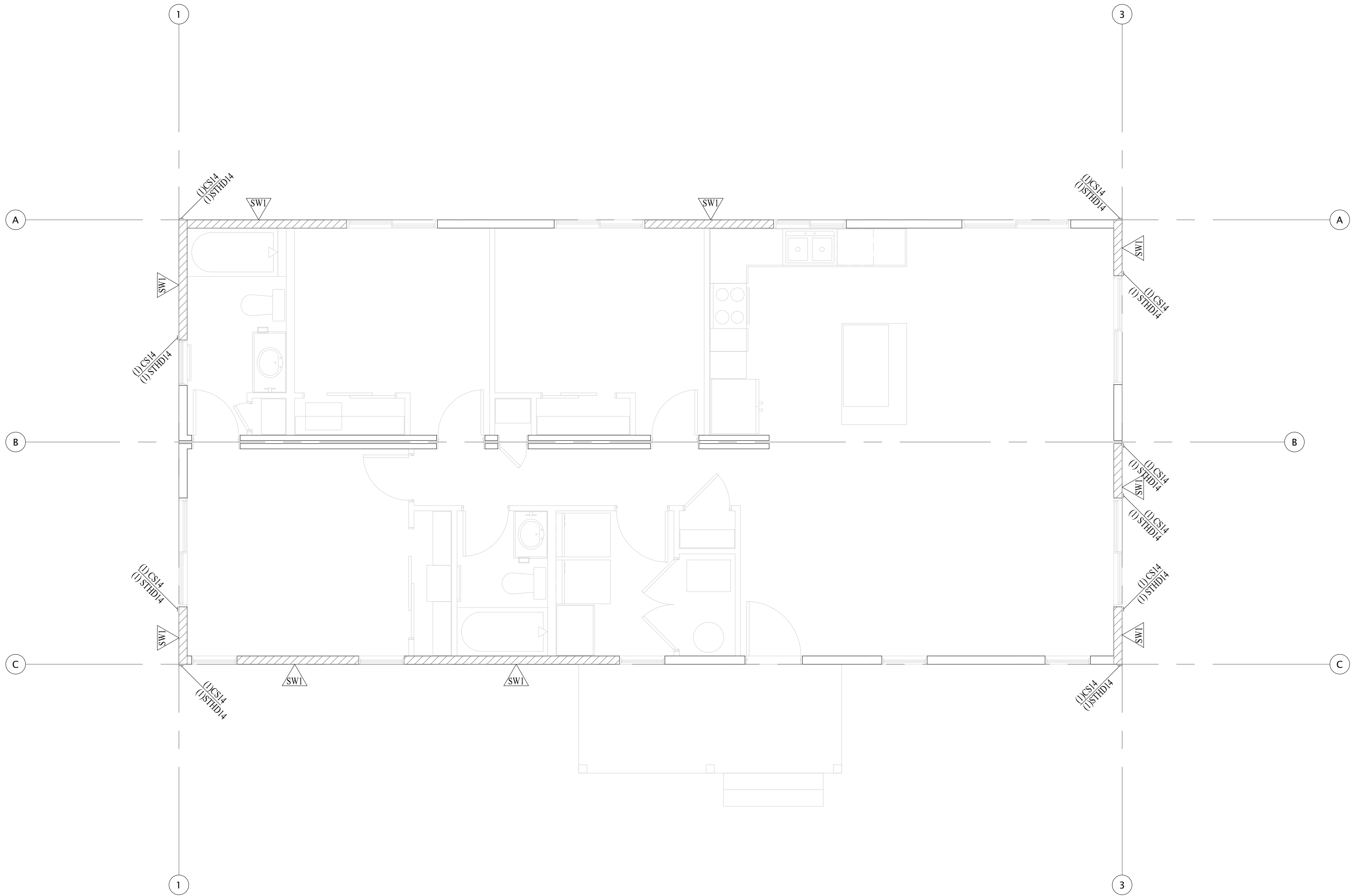
## MAIN FLOOR FRAMING PLAN

## S1.01

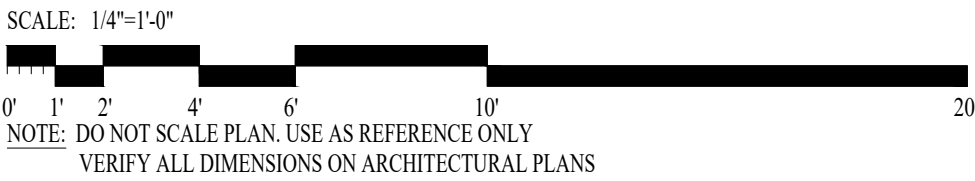




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MAIN FLOOR SHEARWALL PLAN



SHEATHING SCHEDULE									
MARK	TYPE	THICKNESS	SPAN RATING	NAILING					REMARKS
				SIZE	BLOCKED	EDGE	BOUNDARY	FIELD	
SW1	OSB/CDX	7/16"	32/16	8d	YES	6"	6"	12"	-
SW2	OSB/CDX	7/16"	32/16	8d	YES	4"	4"	12"	-
SW3	OSB/CDX	7/16"	32/16	8d	YES	3"	3"	12"	SEE NOTE 3
SW4	OSB/CDX	7/16"	32/16	8d	YES	2"	2"	12"	SEE NOTE 3
FLOOR	T&G	3/4"	40/20	8d	NO	6"	6"	12"	-
ROOF	OSB/CDX	5/8"	40/20	8d	NO	6"	6"	12"	-

NOTES FOR SHEAR WALLS

1. NAILS FOR SW WALLS MAY BE BOX NAILS. NAILS FOR FLOOR AND ROOF TO BE COMMON TYPE.

2. WHERE SHEATHING IS APPLIED TO EACH FACE OF WALL AND NAIL SPACING IS LESS THAN 6" O.C., PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.

3. WHERE NAIL SPACING IS 3" O.C. OR LESS, FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR SHALL BE DOUBLE 2" NOMINAL MEMBERS. STITCH NAIL THE 2" NOMINAL MEMBERS WITH DOUBLE ROW OF 10D COMMON NAILS @ 4" O.C.

SHEAR WALL PLAN LEGEND:

SW# - INDICATES SHEAR WALL TYPE

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ARCH PUNKIN  
ASPEN MODEL  
8 PUNKIN CENTER ROAD  
BLAINE COUNTY, IDAHO

REVISIONS		DESCRIPTION
REV	DATE	
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MAIN FLOOR  
SHEARWALL  
PLAN

S1.03



A technical drawing of a ship's hull section, showing the internal structure including the keel, ribs, and deck. A cross-section line A-A is indicated, passing through the hull. The drawing shows the internal structure of the hull, including the keel, ribs, and deck. A cross-section line A-A is indicated, passing through the hull. The drawing shows the internal structure of the hull, including the keel, ribs, and deck. A cross-section line A-A is indicated, passing through the hull.

1-D \$5.00	DECK-TO-RIM N.T.S.
---------------	-----------------------

1-C EXTERIOR FOOTING  
\$5.00 N.T.S.

FOUNDATION @ JOIST PARALLEL  
N.T.S.

FOUNDATION @ JOIST PERPENDICULAR

### STHD14 AT RIM MID WALL

**STHD14 AT RIM END WALL**

2-A FOUNDATION HOLD DOWN STRAP  
S5.00 N.T.S.

3-A CRAWL SPACE BEARING WALL & FOOTING  
\$5.00 N.T.S.

- = PREFABRICATED TRUSS
- = SEE ARCHITECTURAL  
DETAILS
- = SLAB ON GRADE
- = SHEAR WALL
- = UNLESS NOTED OTHERWISE
- = VERTICAL
- = WITH

A square frame structure with diagonal bracing. It consists of four vertical members and four horizontal members forming the perimeter. Two diagonal members cross in the center, forming an 'X'. A single vertical member is positioned in the center of the square, connecting the top and bottom horizontal members.

4-C BUILT-UP MEMBER DETAIL  
S5.00 N.T.S.

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**ARCH PUNKIN  
ASPEN MODEL**

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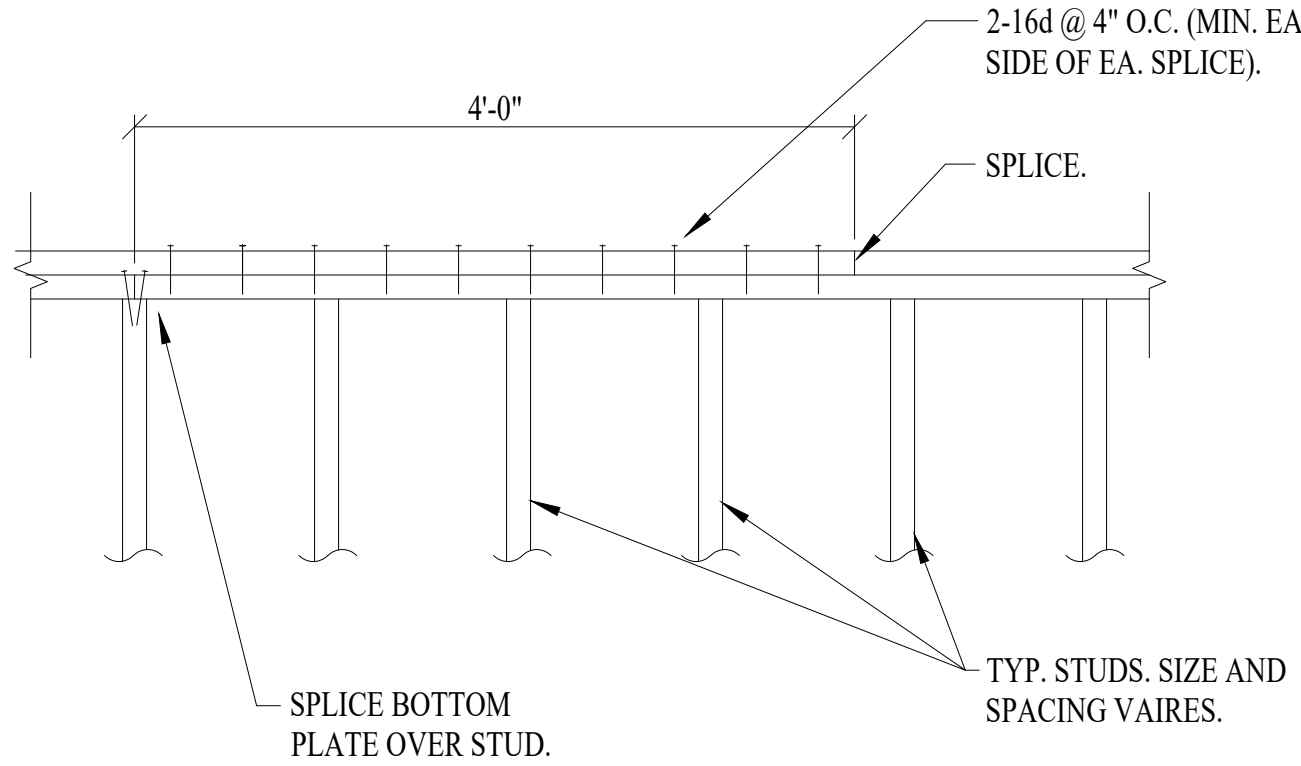
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## STRUCTURAL DETAILS

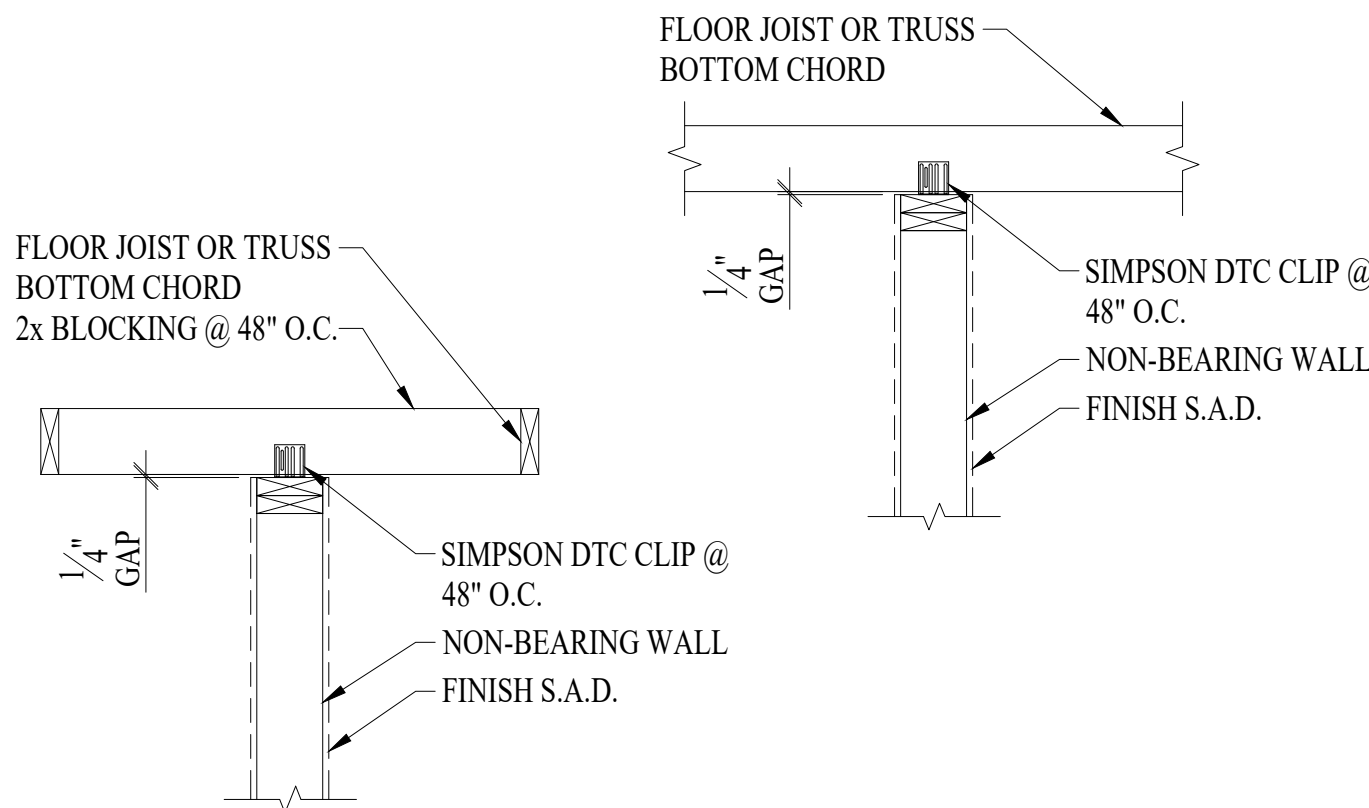
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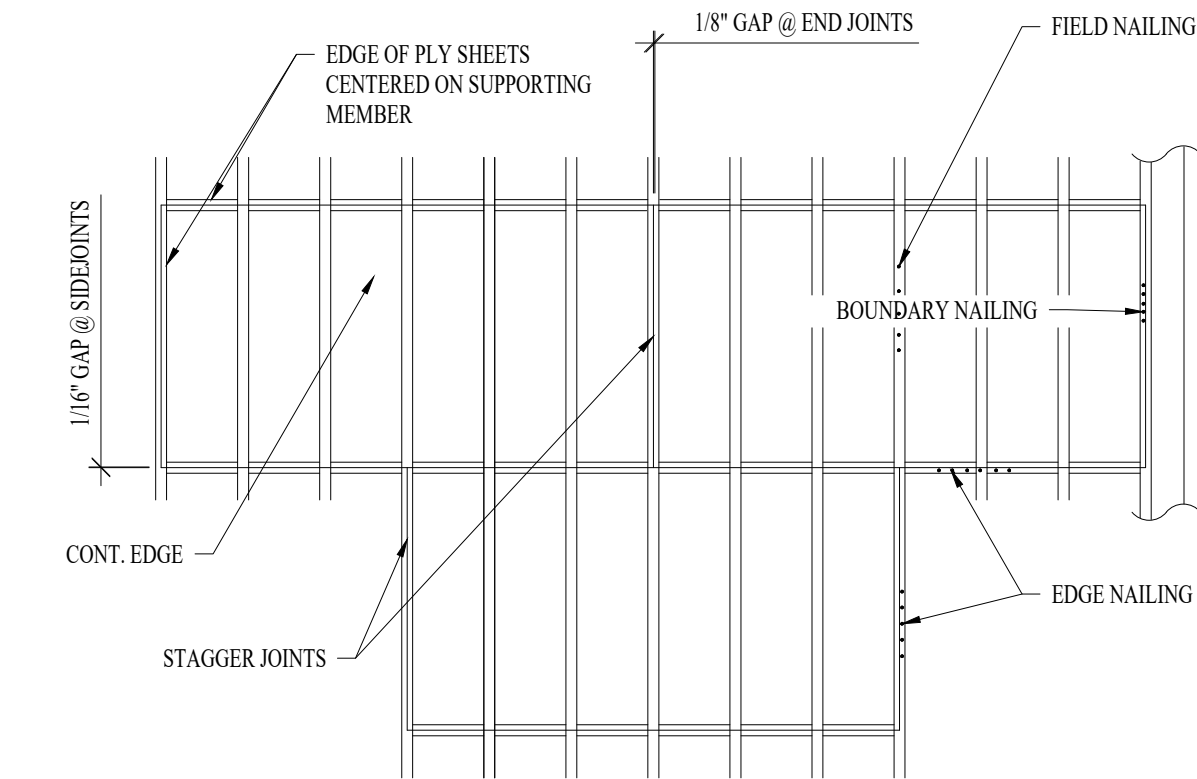
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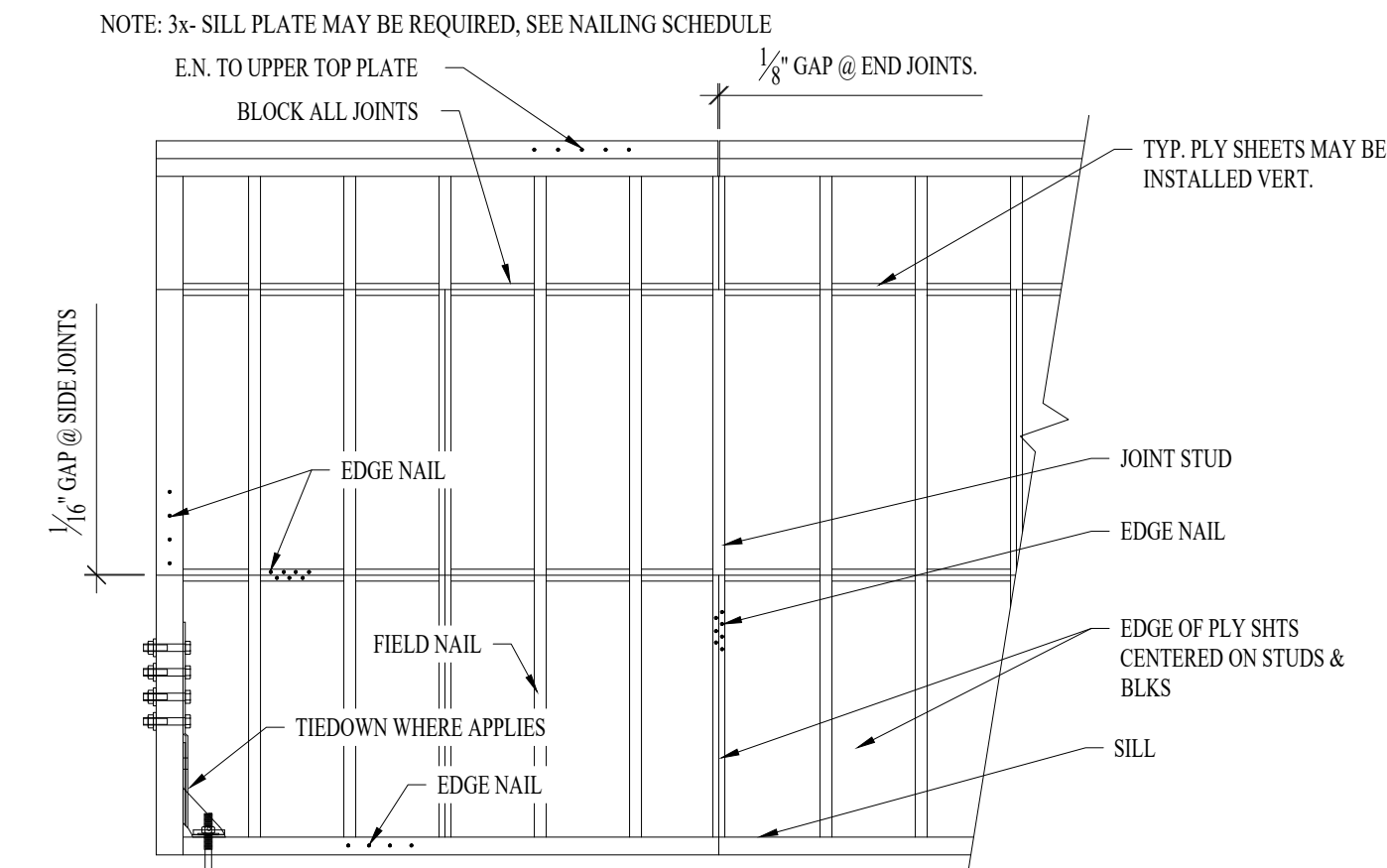
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\$5.01 / N.T.S.



1-C  
\$5.01 / N.T.S.

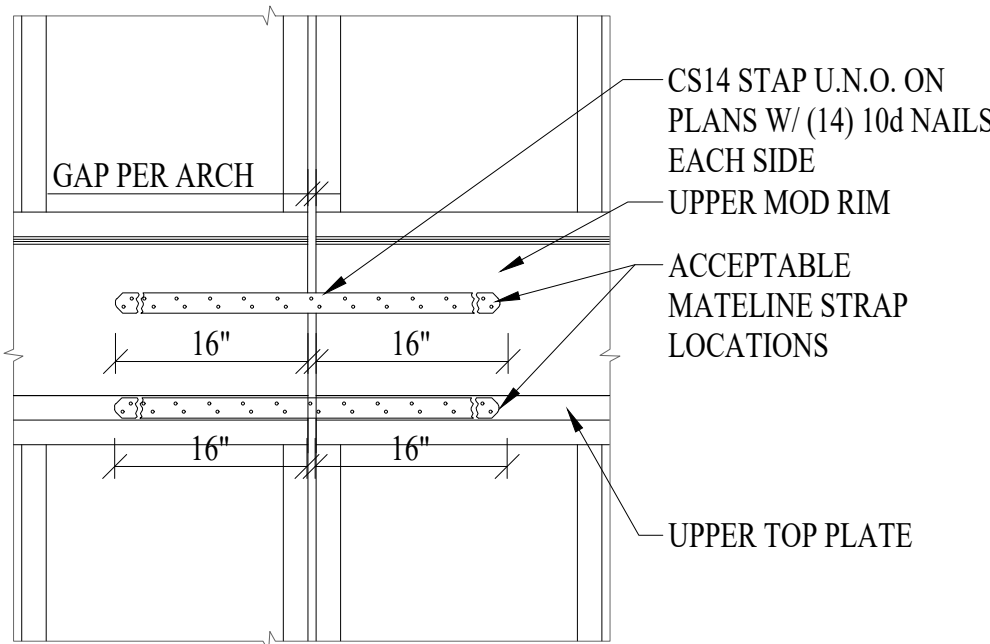


1-B  
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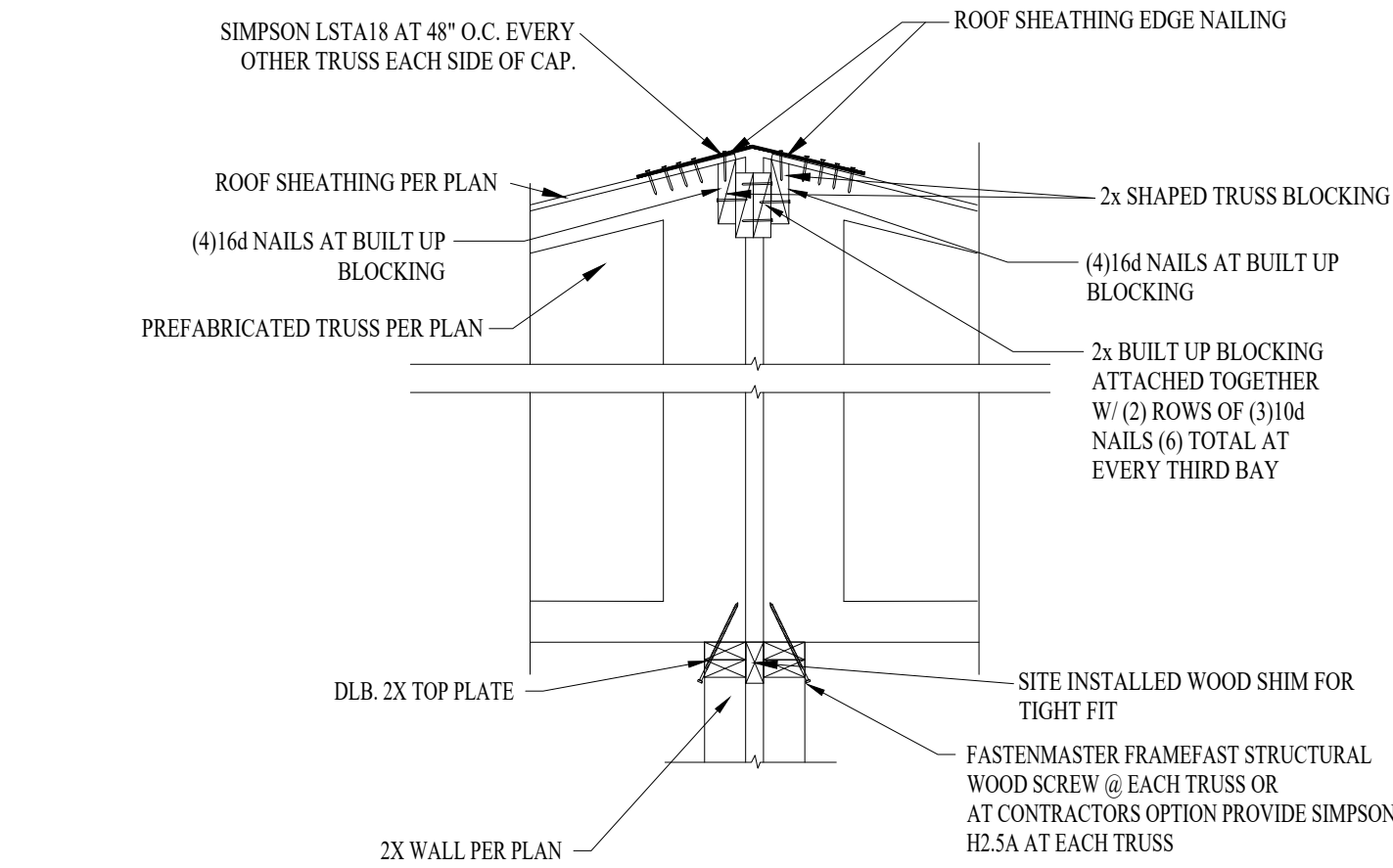
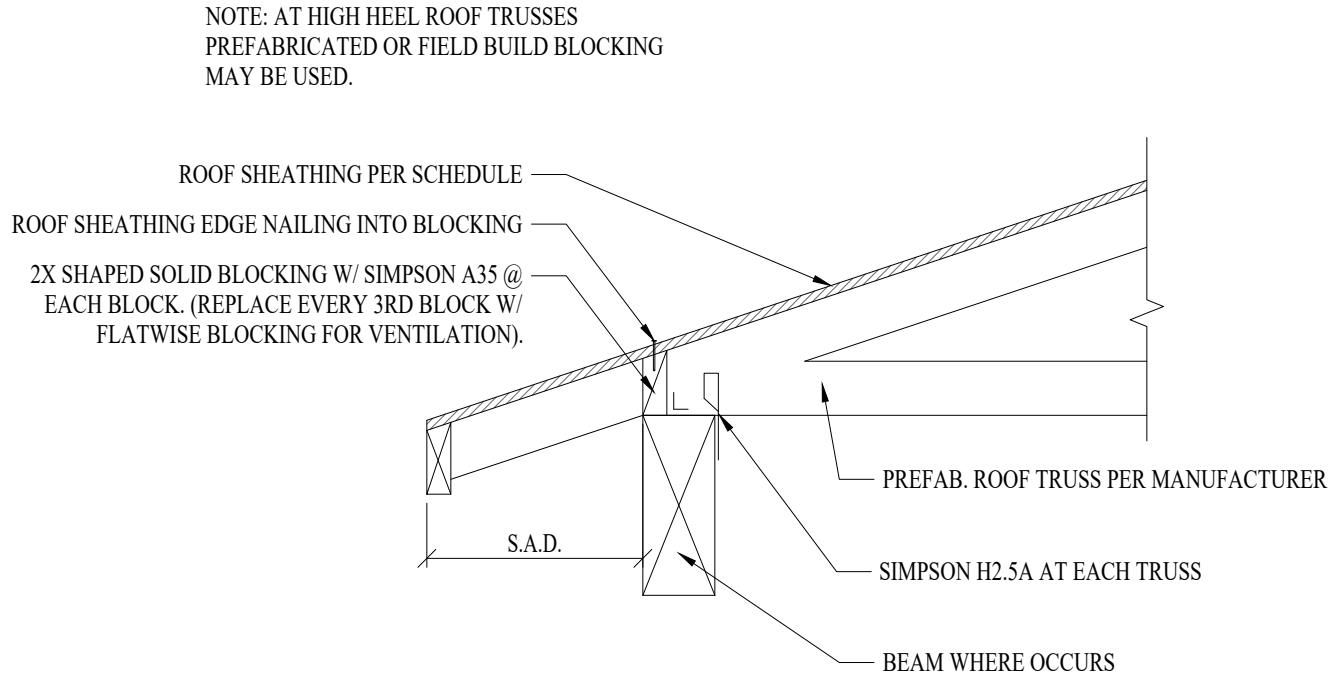


1-A  
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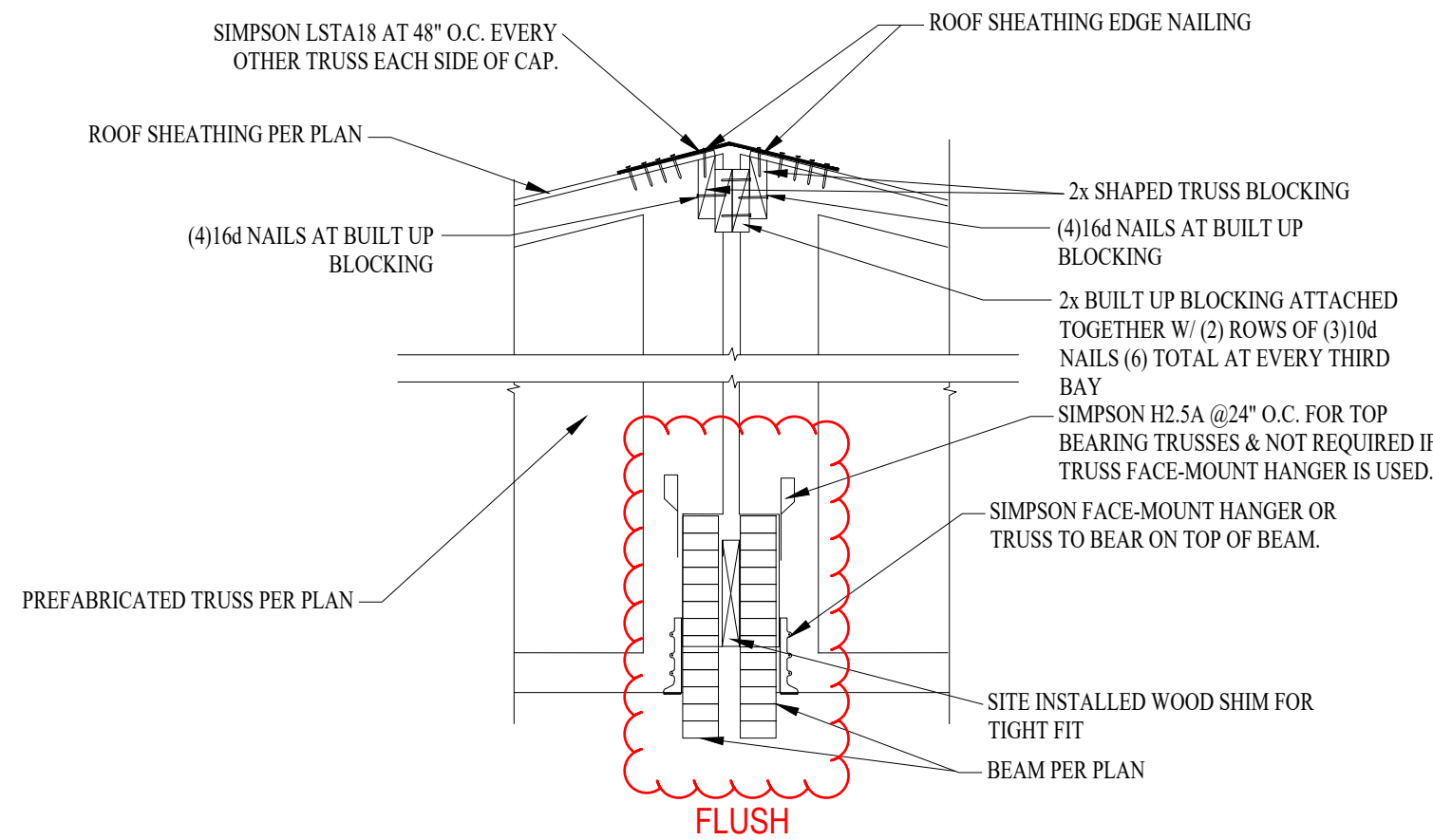
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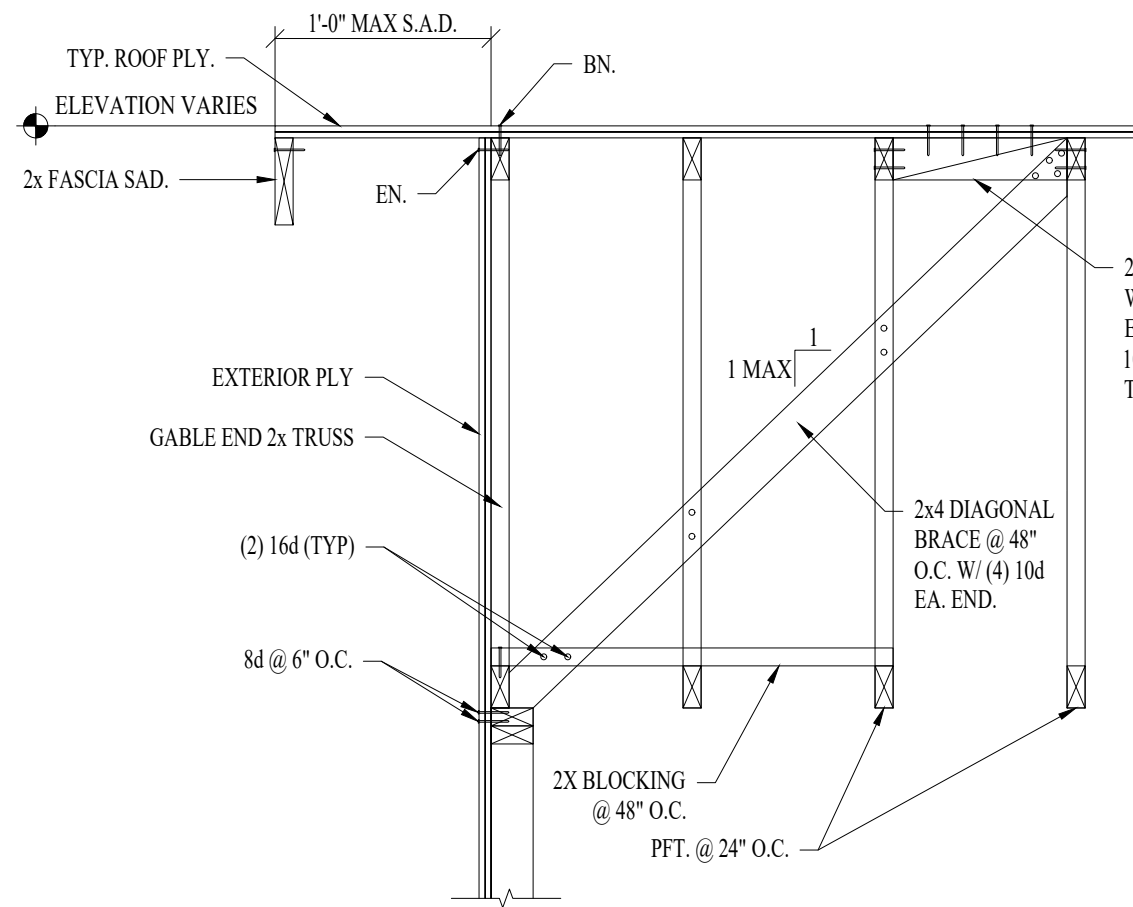
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\$5.01 / N.T.S.



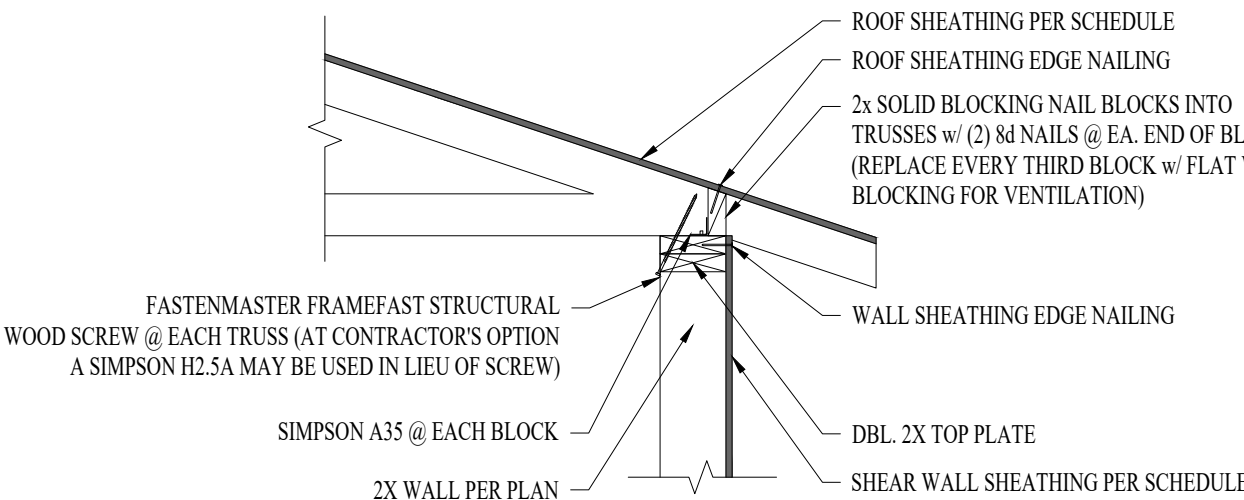
4-D  
\$5.01 / N.T.S.



4-C  
\$5.01 / N.T.S.



4-B  
\$5.01 / N.T.S.



4-A  
\$5.01 / N.T.S.

REV	DATE	DESCRIPTION

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**STRUCTURAL**  
**DETAILS**

**\$5.01**