

# PROJECT: PERRELL - 230524590030

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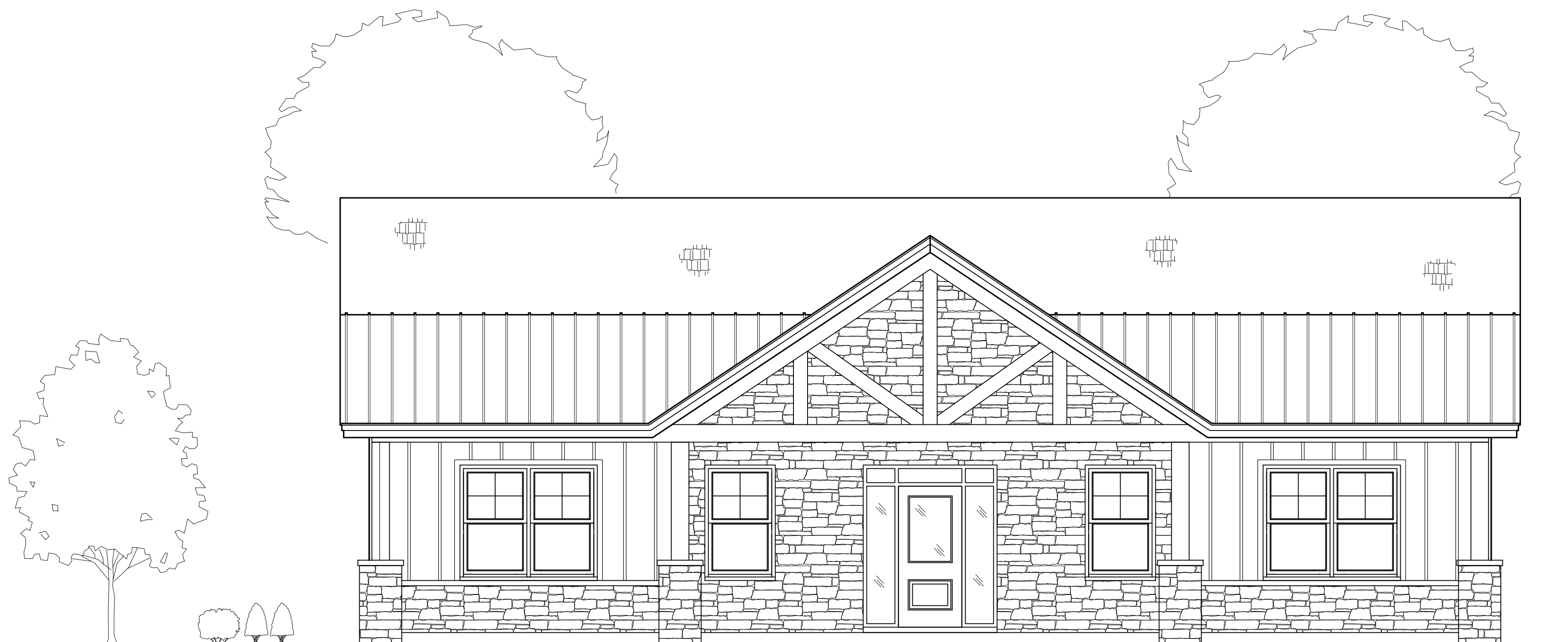
## DESIGNER:



AUSTIN HAGGARD, OWNER  
E: DIVINEHOMESTEADDESIGN@GMAIL.COM  
W: DIVINEHOMESTEADDESIGN.COM

### SHEET LIST:

- T1.1 COVER SHEET
- S1.1 FOUNDATION PLAN
- A1.1 1ST FLOOR PLAN
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- E1.1 1ST FLR. ELECTRICAL PLAN
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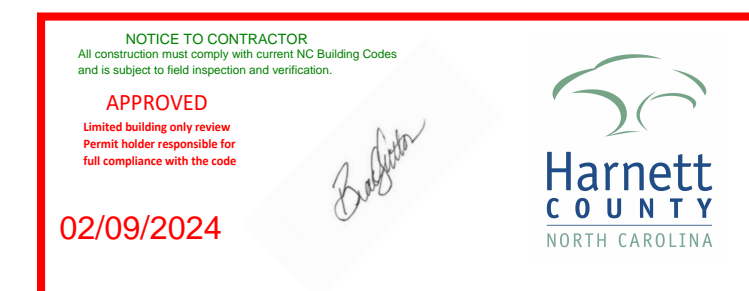


### AREA NOTES:

- \* FIRST FLOOR = 1,497 HEATED SQ FT
- \* OPTIONAL LOFT = 334 HEATED SQ FT
- \* FRONT COVERED PORCH = 335 SQ FT
- \* SCREENED PORCH = 174 SQ FT
- \* REAR COVERED PORCH = 372 SQ FT

### GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ETC., AND NOTIFY DESIGNER OF ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION. ANY ITEMS NOT REPORTED SHALL BE CONSIDERED VERIFIED AND ACCEPTED BY THE CONTRACTOR.
2. ALL STRUCTURAL COMPONENTS TO BE DETERMINED BY OTHERS AND SHALL NOT BE THE RESPONSIBILITY OF THE DESIGNER.
3. ALL LOAD BEARING WALLS, BEAMS, AND RAFTER BRACING SHOULD CARRY LOADS THRU ALL LEVELS TO FOUNDATION AND BE SUPPORTED BY GRADE BEAMS OR FOOTINGS DESIGNED TO CARRY LOADS.
4. FLOOR AND ROOF TRUSS DRAWINGS MUST BE PROVIDED BY MANUF.
5. ALL CONSTRUCTION SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES CURRENTLY IN EFFECT, PLANS DESIGNED TO MEET IRC 2018.
6. CONTRACTOR TO PROTECT ALL EXISTING FINISHED ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO FLOORS, WALLS, CEILING, MILLWORK, FIXTURES, ETC..
7. VERIFY FLOOR ELEVATIONS ON BOTH SIDES OF PARTITIONS BEING REMOVED. PREPARE FLOOR AS REQUIRED FOR SMOOTH LEVEL FLOOR CONDITION AS APPLICABLE FOR FINISH BEING INSTALLED.
8. REPAIR AND/OR REPLACE ANY ITEMS DAMAGED DURING DEMOLITION OR CONSTRUCTION. DOCUMENT ANY EXISTING DAMAGE PRIOR TO THE START OF DEMOLITION/CONSTRUCTION WITH PHOTOGRAPHIC EVIDENCE.
9. ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK SHALL BE DESIGNED/CONSTRUCTED BY LICENSED SUBCONTRACTORS TO MEET ALL FEDERAL, STATE AND LOCAL CODES.
10. IF CONFLICTS WITH OTHER TRADES ARISE NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY TO RESOLVE.
11. ALL APPLICABLE PRODUCTS SUCH AS FINISHES, FIXTURES, WINDOWS, DOORS, ETC. MUST BE SUBMITTED IN WRITING TO THE GENERAL CONTRACTOR FOR APPROVAL.
12. ALL DIMENSIONS SHOULD BE READ OR CALCULATED AND NEVER SCALED.
13. SQUARE FOOTAGE CALCULATIONS ARE MADE FROM THE OUTSIDE OF THE EXTERIOR FRAME WALL.
14. DIVINE HOMESTEAD DESIGN ASSUMES NO LIABILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO THESE PLANS BY OTHERS.
15. THESE PLANS ARE PROTECTED BY COPYRIGHT. REPRODUCTION OF THESE HOUSE PLANS, EITHER IN WHOLE OR PART, INCLUDING ANY FORM OF COPYING AND/OR PREPARATION OF DERIVATIVE WORKS THERE OF, FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION BY DIVINE HOMESTEAD DESIGN IS STRICTLY PROHIBITED.



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**230524590030**

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Date:  
Description:  
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Order No. : 230524590030

Drawn By : DAH

Checked By : DAH

Date : 05/25/2023

Size : 24" x 36"

Sheet Title :

COVER SHEET

Sheet Number:

**T1.1**

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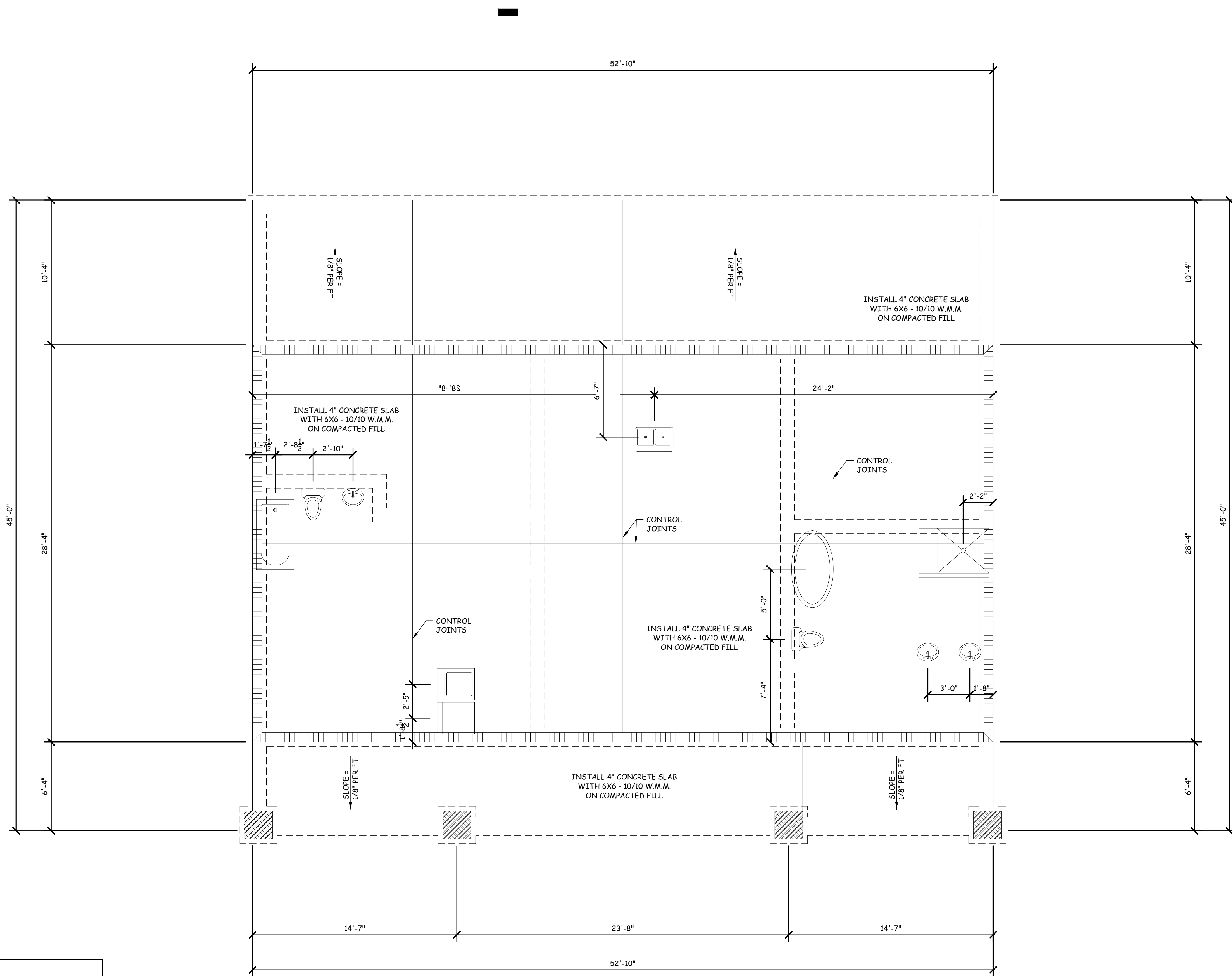
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Sheet Title :  
FOUNDATION PLAN

Sheet Number:  
**S1.1**



**FOUNDATION NOTES:**

1. ALL STATE AND REGIONAL CODES APPLY.
2. PROVIDE SOLID BLOCKING AT MID-SPAN OF JOIST OVER 8'-0" IN LENGTH.
3. EXTEND FOOTINGS TO UNDISTURBED SOIL.
4. ALL STRUCTURAL COMPONENTS TO BE DETERMINED BY OTHERS.
5. CONTRACTOR TO VERIFY LOCATION OF CRAWLSPACE VENTS.
6. AT A MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL MEET IRC TABLE R402.2
7. AT A MINIMUM CONCRETE FOOTING DIMENSIONS SHALL MEET IRC TABLE R403.1

**DIMENSION NOTES:**

1. ALL OUTER DIMENSIONS ARE TO OUTSIDE OF FRAMING UNLESS NOTED OTHERWISE
2. ALL DIMENSIONS ARE ROUNDED TO THE NEAREST 1/2 INCH FOR EASE OF READING CONSTRUCTION DRAWINGS. CONTRACTOR TO VERIFY CRITICAL MEASUREMENTS IN THE FIELD WITH GREATER PRECISION AND NOTIFY THE DESIGNER IF ANY CONCERNS ARISE.

**FOUNDATION PLAN**  
1/4" = 1'-0"

**FOUNDATION LEGEND**

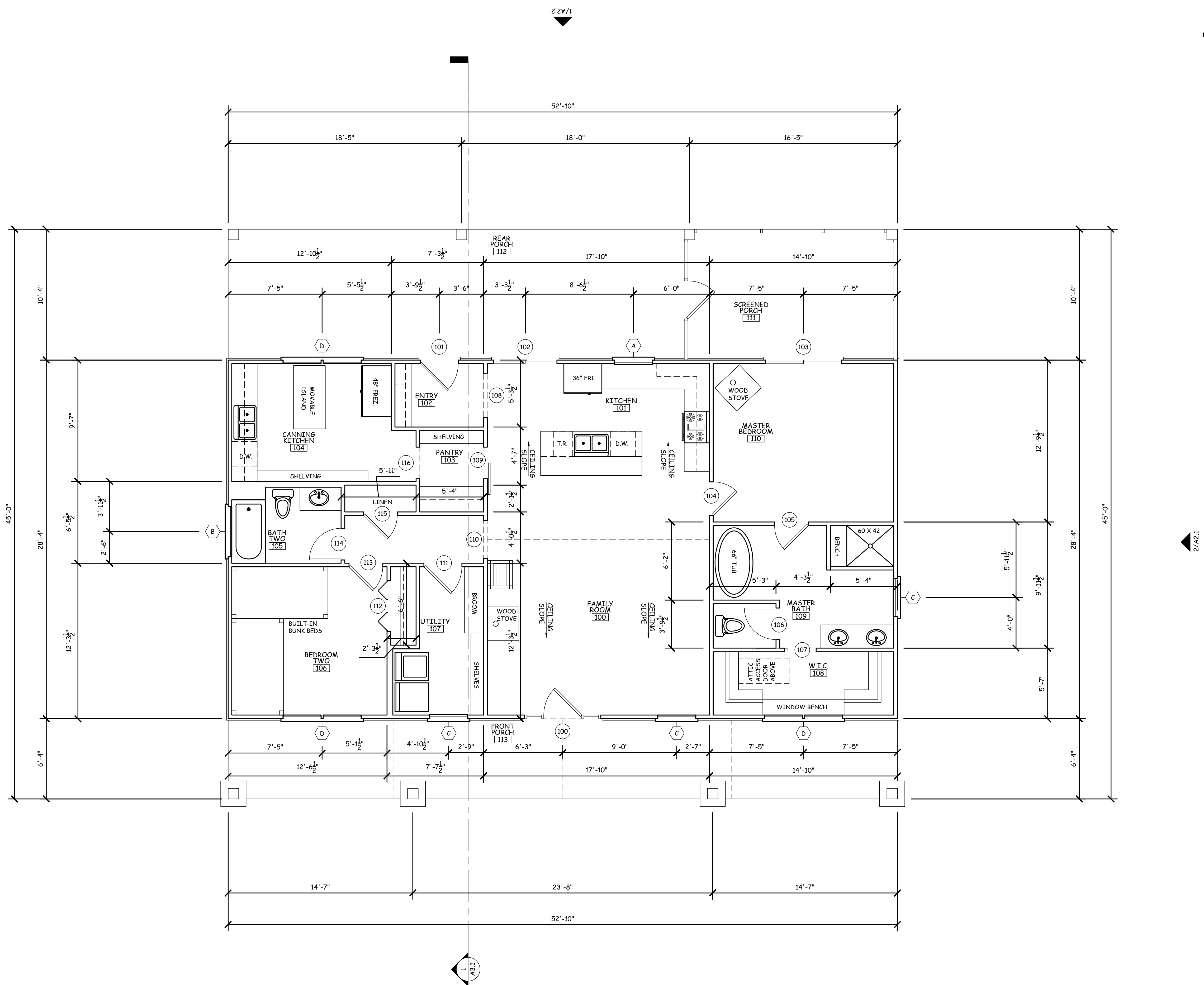
[Symbol] = 24" STONE COLUMN BASE

[Symbol] = 8" BLOCK WALL

THIS DRAWING SHALL BE CONSIDERED DIAGRAMMATIC & SCHEMATIC IN NATURE. IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE SUBCONTRACTOR TO ENSURE ADEQUATE REINFORCEMENT, FOUNDATIONS AND STRUCTURAL COMPONENTS ARE PROVIDED.

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**1 1ST - FLOOR PLAN**  
1/4" = 1'-0"

**DIMENSION NOTES:**

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**FLOOR PLAN LEGEND**

	= 2X4 WALL
	= 2X6 WALL
	= DOOR TAG
	= WINDOW TAG

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Description:  
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**1ST FLOOR PLAN**

Sheet Number:  
**A1.1**

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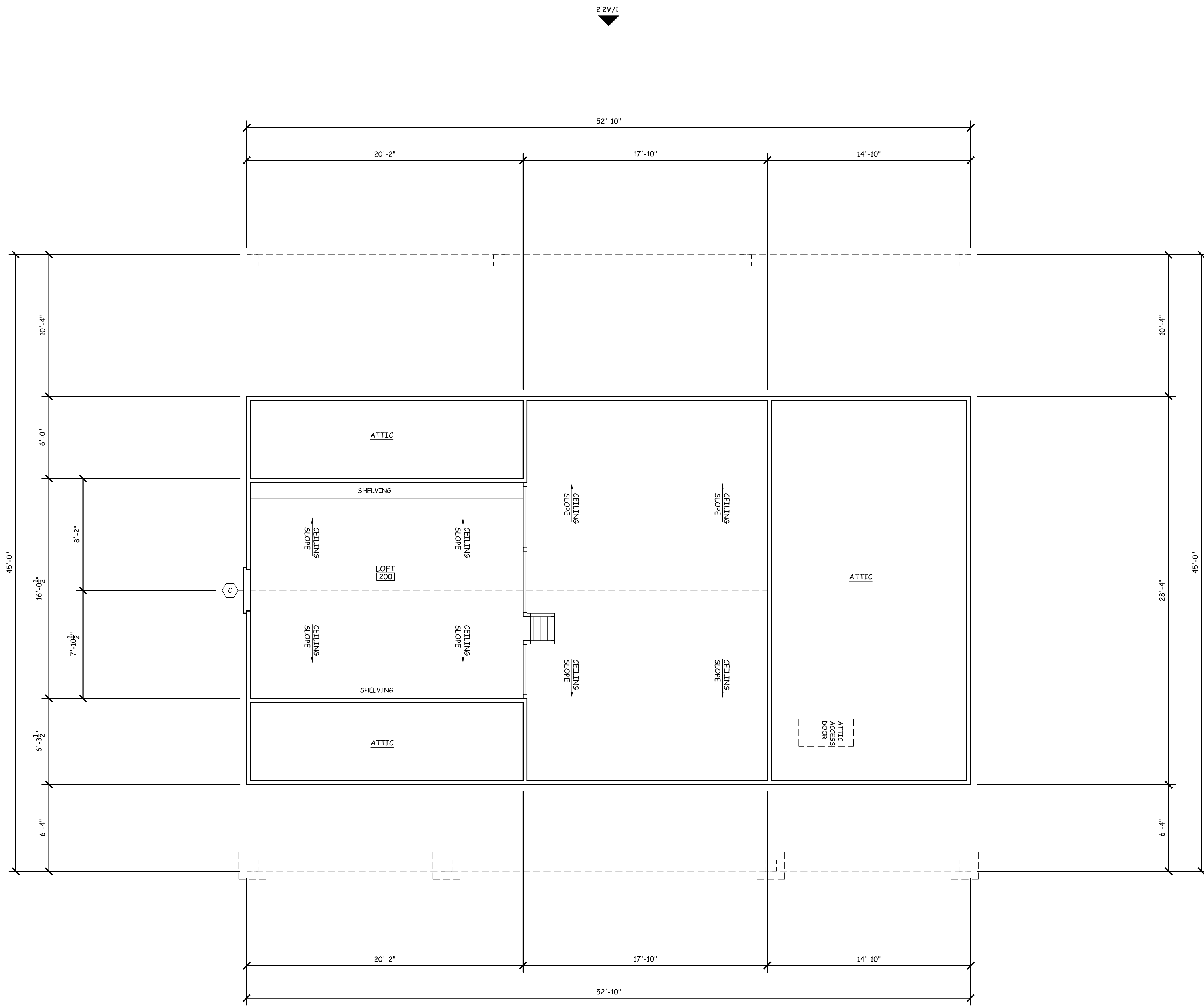
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Sheet Title :  
2ND FLOOR PLAN

Sheet Number:

A1.2



1 2ND - FLOOR PLAN  
1/4" = 1'-0"

**DIMENSION NOTES:**  
1. ALL OUTER DIMENSIONS ARE TO OUTSIDE OF FRAMING UNLESS NOTED OTHERWISE.  
2. ALL DIMENSIONS ARE ROUNDED TO THE NEAREST 1/2 INCH FOR EASE OF READING CONSTRUCTION DRAWINGS. CONTRACTOR TO VERIFY CRITICAL MEASUREMENTS IN THE FIELD WITH GREATER PRECISION AND NOTIFY THE DESIGNER IF ANY CONCERNS ARISE.

FLOOR PLAN LEGEND

	= 2X4 WALL
	= 2X6 WALL
	= DOOR TAG
	= WINDOW TAG

## ROOM FINISH SCHEDULE

ROOM		FLOOR		BASE	WALLS		TRIM			CEILING		REMARKS
ROOM	NAME	MATERIAL	FINISH		MATERIAL	FINISH	CORNICE	WINDOW	DOORS	MATERIAL	HEIGHT	
<b>FIRST FLOOR</b>												
100	FAMILY	LVP	-	B1	1/2" GYPSUM BD	PAINT	-	D&W1	D&W1	1/2" GYPSUM BD	-	CATHEDRAL CEILING
101	KITCHEN	LVP	-	B1	1/2" GYPSUM BD	PAINT	-	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
102	ENTRY	LVP	-	B2	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
103	PANTRY	LVP	-	B2	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
104	CANNING KITCHEN	LVP	-	B1	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
105	BATH TWO	LVP	-	B1	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
106	BEDROOM TWO	LVP	-	B1	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
107	UTILITY	LVP	-	B1	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
108	W.I.C.	LVP	-	B1	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
109	MASTER BATH	LVP	-	B2	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
110	MASTER BEDROOM	LVP	-	B2	1/2" GYPSUM BD	PAINT	1 PIECE	D&W1	D&W1	1/2" GYPSUM BD	9'-0"	
111	SCREENED PORCH	CONCRETE	-	-	-	-	-	-	-	BEADED BOARD	9'-3"	
112	REAR PORCH	CONCRETE	-	-	-	-	-	-	-	BEADED BOARD	9'-3"	
113	FRONT PORCH	CONCRETE	-	-	-	-	-	-	-	BEADED BOARD	9'-3"	
200	LOFT	CARPET	-	B2	1/2" GYPSUM BD	PAINT	-	D&W1	D&W1	1/2" GYPSUM BD	-	CATHEDRAL CEILING

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## WINDOW SCHEDULE

MARK	WINDOW			
	SIZE	HEAD HGT	TYPE	REMARKS
<b>FIRST &amp; SECOND FLOOR</b>				
A	3'-0" X 3'-6"	7'-6"	DOUBLE HUNG WINDOW	
B	4'-0" X 1'-0"	7'-6"	FIXED WINDOW	
C	3'-0" X 5'-0"	7'-6"	DOUBLE HUNG WINDOW	
D	(2) 3'-0" X 5'-0"	7'-6"	(2) DOUBLE HUNG WINDOWS	

### DOOR & WINDOW NOTES:

1. VERIFY ALL ROUGH OPENING SIZES IN ADVANCE.
2. VERIFY WINDOW STYLES, GRID PATTERNS & DOOR PROFILES IN ADVANCE.
3. VERIFY DOOR HARDWARE TYPES & FINISHES IN ADVANCE.
4. PROVIDE WINDOW FALL PROTECTION PER R612.2.
5. ALL OCCUPIED ROOMS MUST HAVE WINDOWS THAT COMPLY WITH R310.2.1 OF THE 2018 IRC.

### STAIR NOTES:

1. MINIMUM 36" CLEAR WIDTH FOR STAIRWAY.
2. MAXIMUM 4-1/2" HANDRAIL PROJECTION INTO STAIRWAY WIDTH, ON EITHER SIDE.
3. MINIMUM 6'-8" HEADROOM HEIGHT CLEARANCE FOR STAIRWAY.
4. MAXIMUM 12'-3" VERTICAL HEIGHT (RISE) FOR A FLIGHT OF STAIRS W/O A LANDING.
5. MAXIMUM 7-3/4" RISER HEIGHT.
6. MINIMUM 10" STAIR TREAD DEPTH WITH NOSING OR MINIMUM 11" W/O NOSING.
7. HANDRAIL GRASPABILITY TO BE EITHER TYPE I OR II WITH A MINIMUM 1-1/2" CLEARANCE FROM WALL.
8. HANDRAIL HEIGHT TO BE PLACED BETWEEN 34" TO 38"
9. STAIRS & HANDRAILS TO CONFIRM TO R311.7 OF THE 2018 IRC.

## DOOR SCHEDULE

MARK	DOOR			
	SIZE	HEAD HGT	TYPE	REMARKS
<b>EXTERIOR - 1ST &amp; 2ND FLOOR</b>				
100	3'-0" X 6'-8"	6'-8"	EXTERIOR GRADE WOOD	1'-6" SIDE LITES
101	3'-0" X 6'-8"	6'-8"	ENTRY DOOR - FULL GLASS	INSULATED
102	5'-0" X 6'-8"	6'-8"	SLIDING GLASS DOORS	INSULATED
103	6'-0" X 6'-8"	6'-8"	SLIDING GLASS DOORS	
104	2'-8" X 6'-8"	6'-8"	INTERIOR DOOR	
105	2'-8" X 6'-8"	6'-8"	INTERIOR DOOR	
106	2'-6" X 6'-8"	6'-8"	INTERIOR DOOR	
107	2'-6" X 6'-8"	6'-8"	POCKET DOOR	
108	3'-6" X 6'-8"	6'-8"	INTERIOR DOOR	
109	2'-6" X 6'-8"	6'-8"	BARN DOOR	
110	3'-0" X 6'-8"	6'-8"	CASED OPENING	
111	3'-0" X 6'-8"	6'-8"	INTERIOR DOOR	
112	(2) 2'-0" X 6'-8"	6'-8"	BI-FOLD DOORS	
113	2'-8" X 6'-8"	6'-8"	INTERIOR DOOR	
114	2'-6" X 6'-8"	6'-8"	INTERIOR DOOR	
115	2'-8" X 6'-8"	6'-8"	INTERIOR DOOR	
116	2'-6" X 6'-8"	6'-8"	CASED OPENING	

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Sheet Title :

SCHEDULES

Sheet Number:

A1.3

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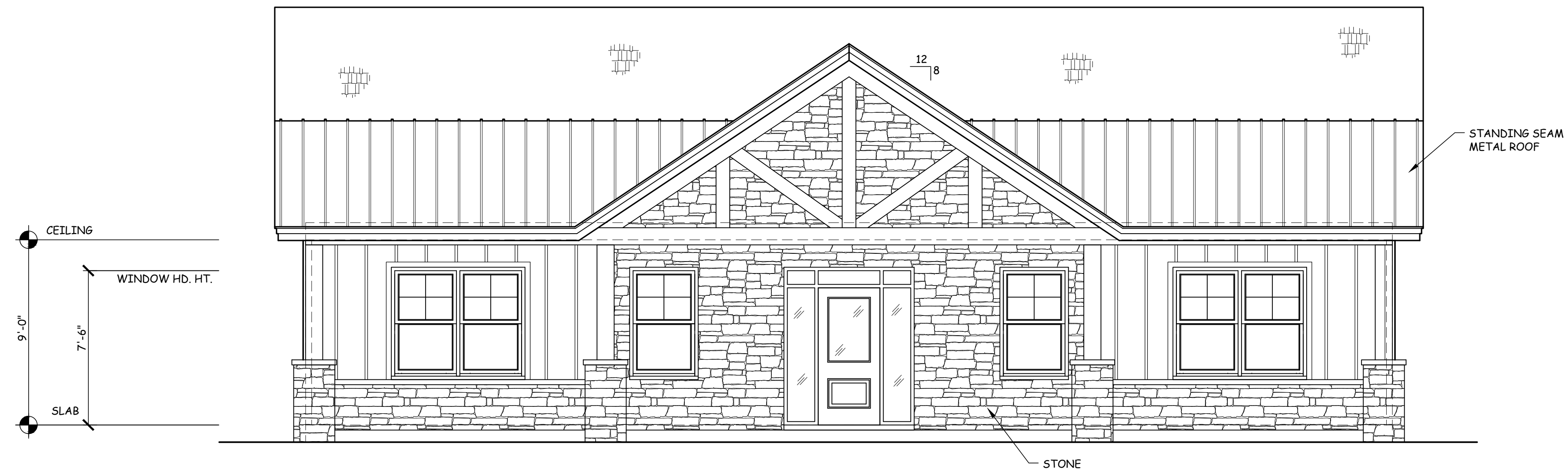
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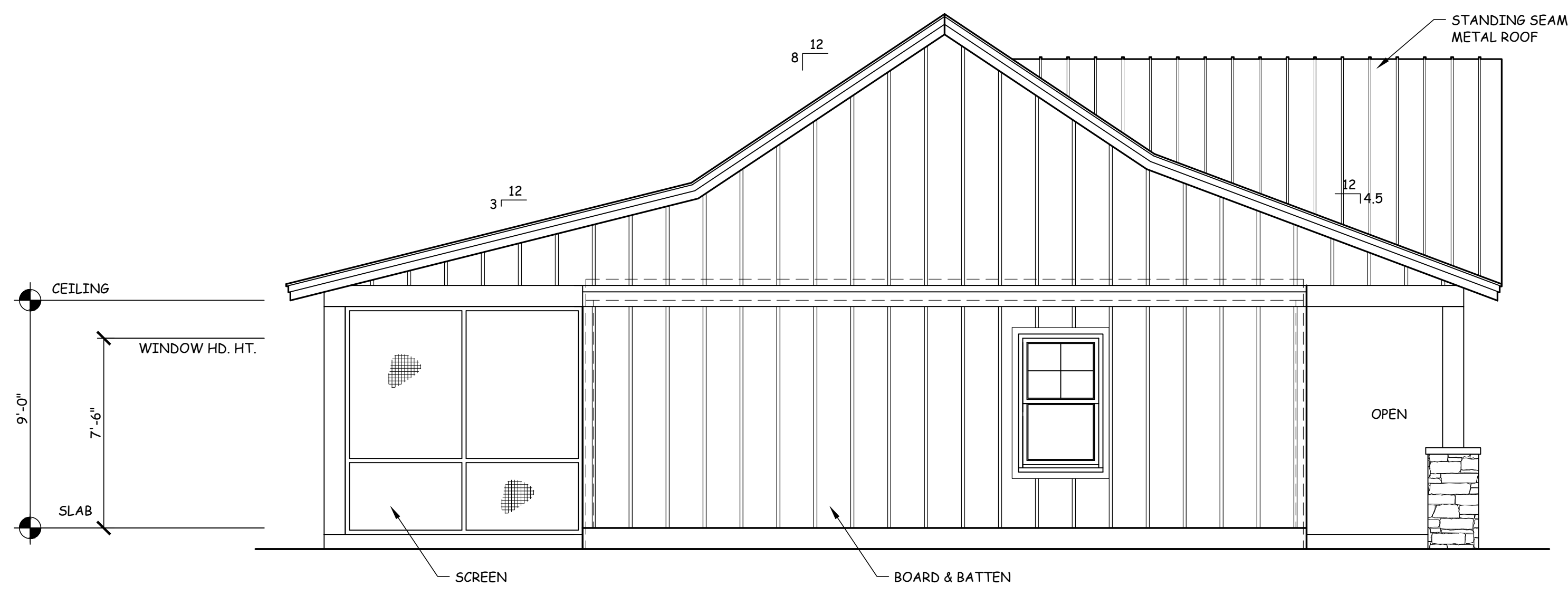


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1 FRONT ELEVATION  
1/A1.1 | A2.1 1/4" = 1'-0"



2 RIGHT SIDE ELEVATION  
1/A1.1 | A2.1 1/4" = 1'-0"

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Sheet Title :  
EXTERIOR ELEVATIONS

Sheet Number:

A2.1

NOTE: FOUNDATION TYPES VARY, REFER TO FOUNDATION PLAN FOR EXACT TYPE. PROVIDE RAILINGS ON PORCHES/DECKS AS REQUIRED.

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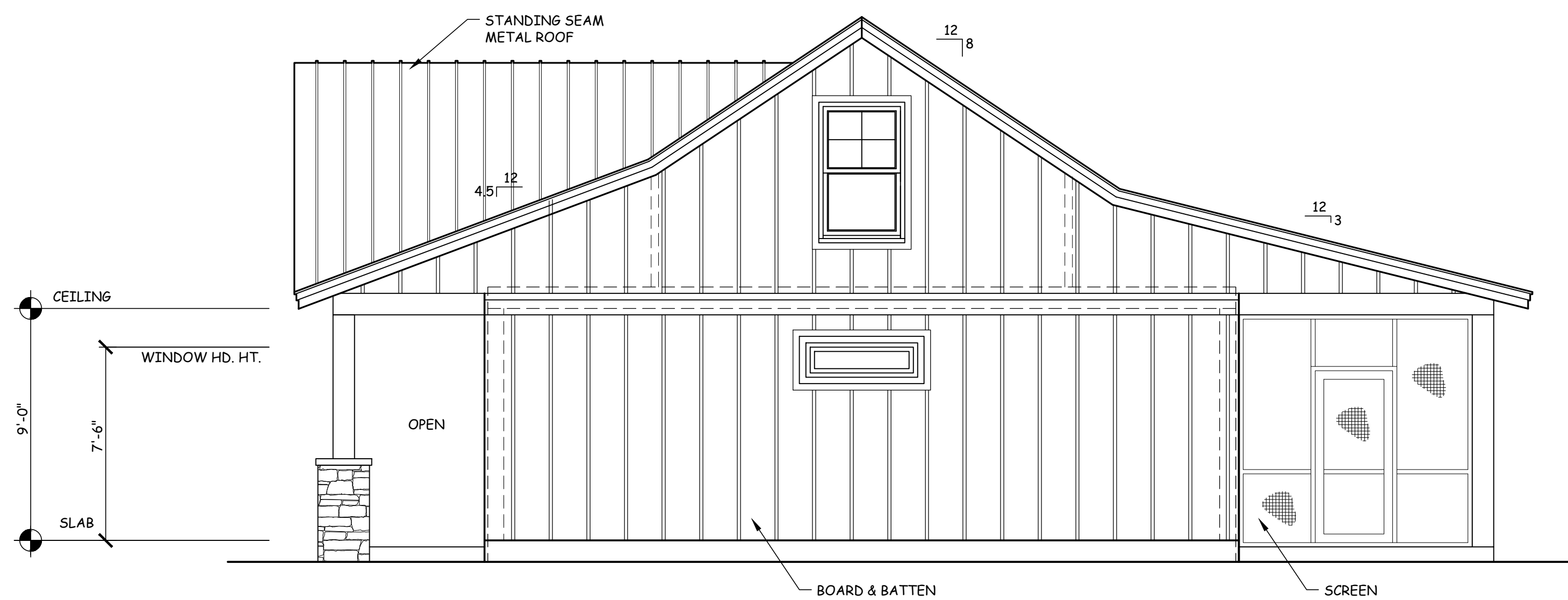


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1 REAR ELEVATION  
1/A1.1 | A2.2 1/4" = 1'-0"



2 LEFT SIDE ELEVATION  
1/A1.1 | A2.2 1/4" = 1'-0"

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EXTERIOR ELEVATIONS

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A2.2

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**WALL SECTION NOTES:**

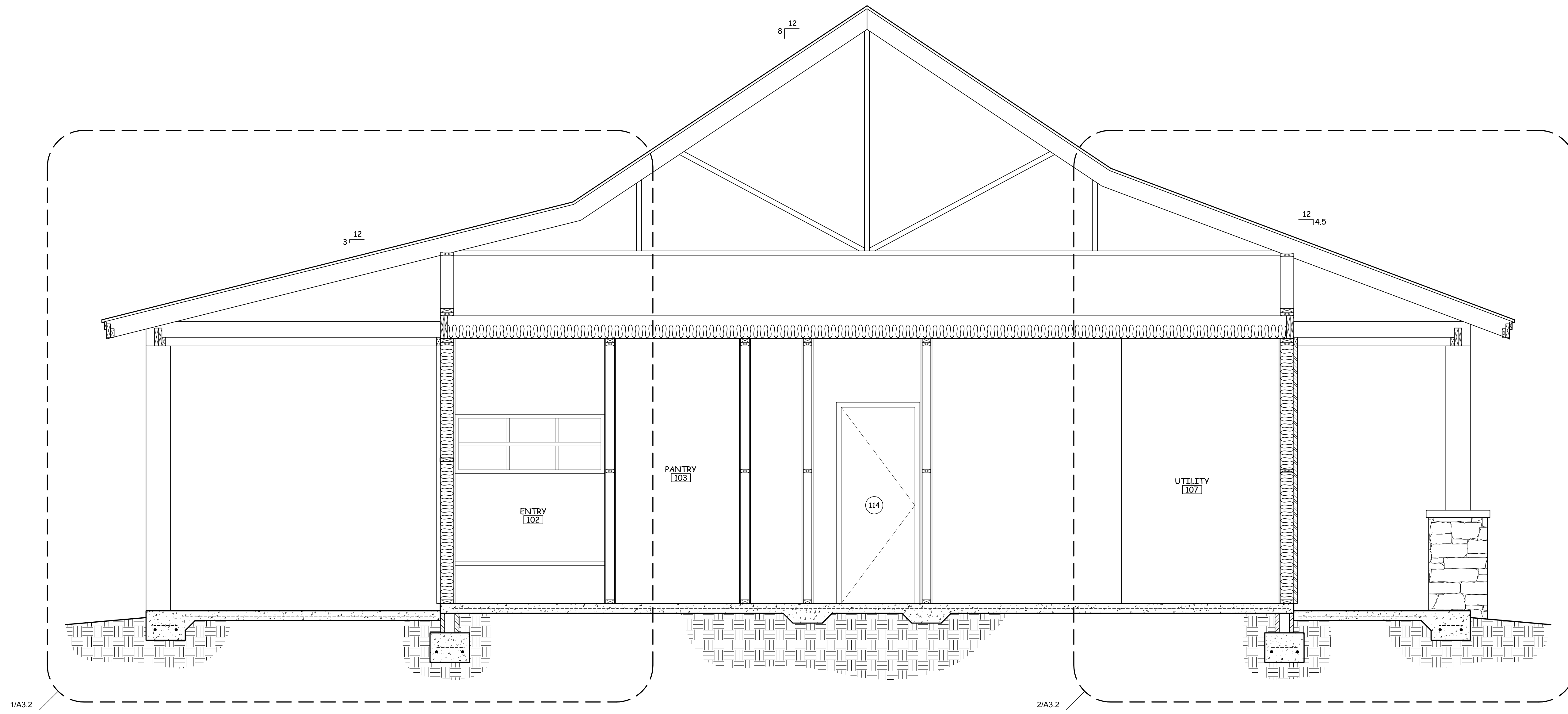
1. THE SIZE, HEIGHT AND SPACING OF STUDS MUST BE IN ACCORDANCE W/ TABLE R602.3(5).
2. AT A MINIMUM FLOOR JOIST SPANS SHALL MEET IRC TABLE R502.3.1
3. RAFTERS MUST BE SIZED BASED ON THE RAFTER SPANS IN TABLE R802.4.1
4. CEILING JOIST MUST BE SIZED BASED ON THE JOIST SPANS IN TABLE R802.5.1
5. AT A MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL MEET IRC TABLE R402.2
6. AT A MINIMUM CONCRETE FOOTING DIMENSIONS SHALL MEET IRC TABLE R403.1

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**1 BUILDING SECTION**  
1/A11 | A3.1 1/2" = 1'-0"

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**A3.1**



**WALL SECTION NOTES:**

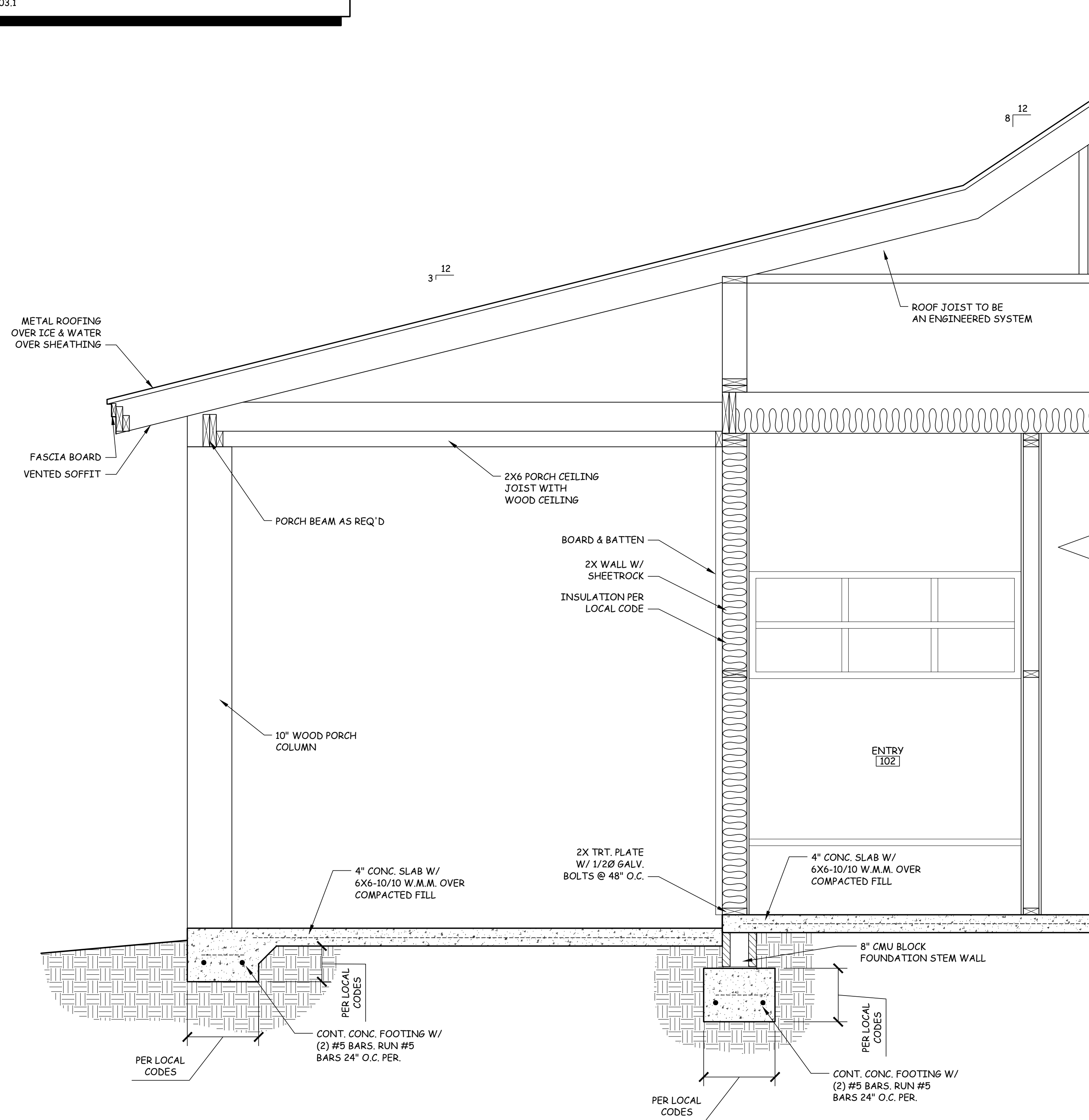
1. THE SIZE, HEIGHT AND SPACING OF STUDS MUST BE IN ACCORDANCE W/ TABLE R602.3(5).
2. AT A MINIMUM FLOOR JOIST SPANS SHALL MEET IRC TABLE R502.3.1
3. RAFTERS MUST BE SIZED BASED ON THE RAFTER SPANS IN TABLE R802.4.1
4. CEILING JOIST MUST BE SIZED BASED ON THE JOIST SPANS IN TABLE R802.5.1
5. AT A MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL MEET IRC TABLE R402.2
6. AT A MINIMUM CONCRETE FOOTING DIMENSIONS SHALL MEET IRC TABLE R403.1

**ISSUED FOR  
SINGLE BUILD ONLY**

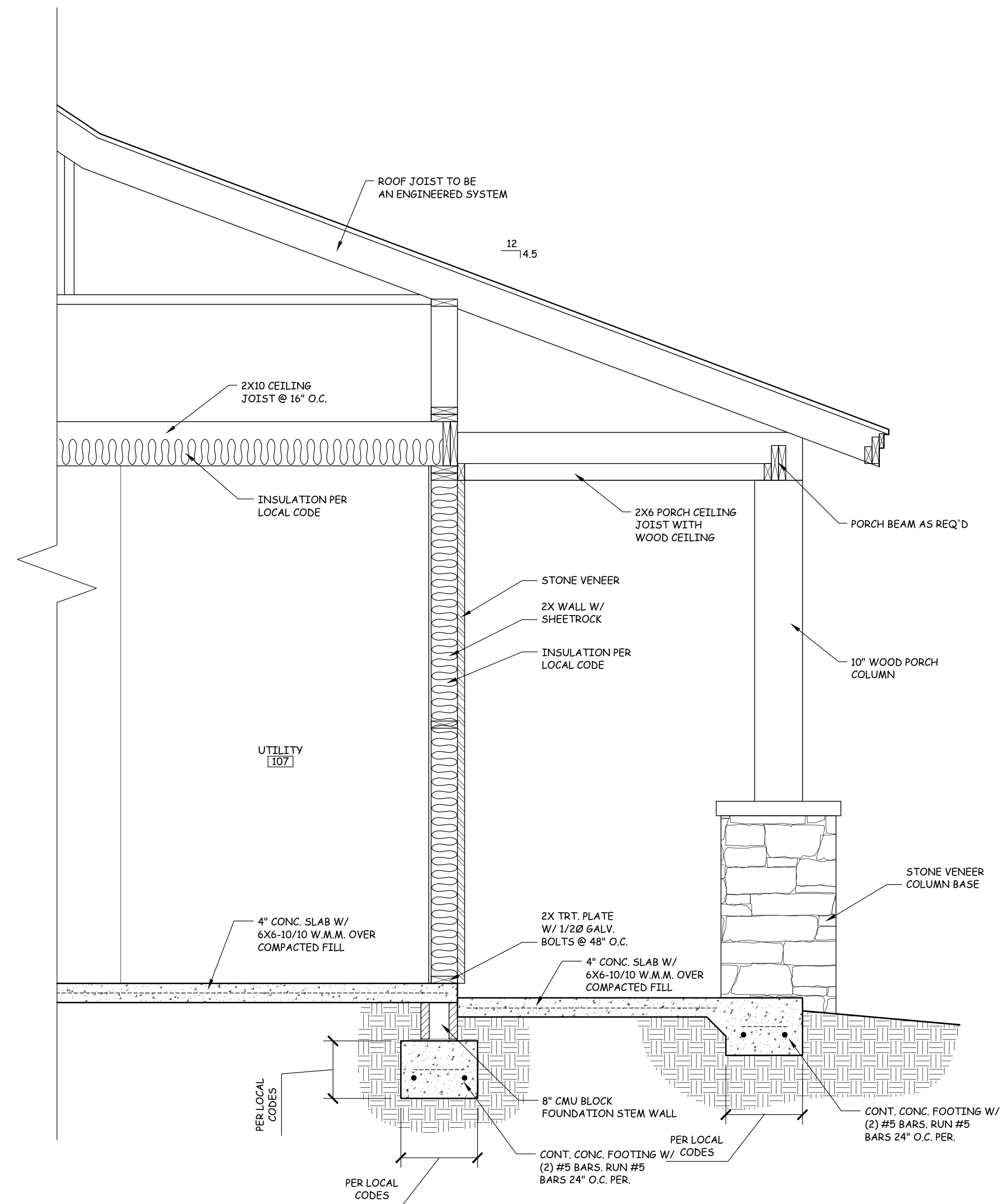
**DIVINE HOMESTEAD  
DESIGN**  
EMAIL: DIVINEHOMESTEADDDESIGN@GMAIL.COM



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**1 WALL DETAILS**  
1/A3.1 | A3.2 3/4" = 1'-0"



**2 WALL DETAILS**  
1/A3.1 | A3.2 3/4" = 1'-0"

**PERRELL  
230524590030**

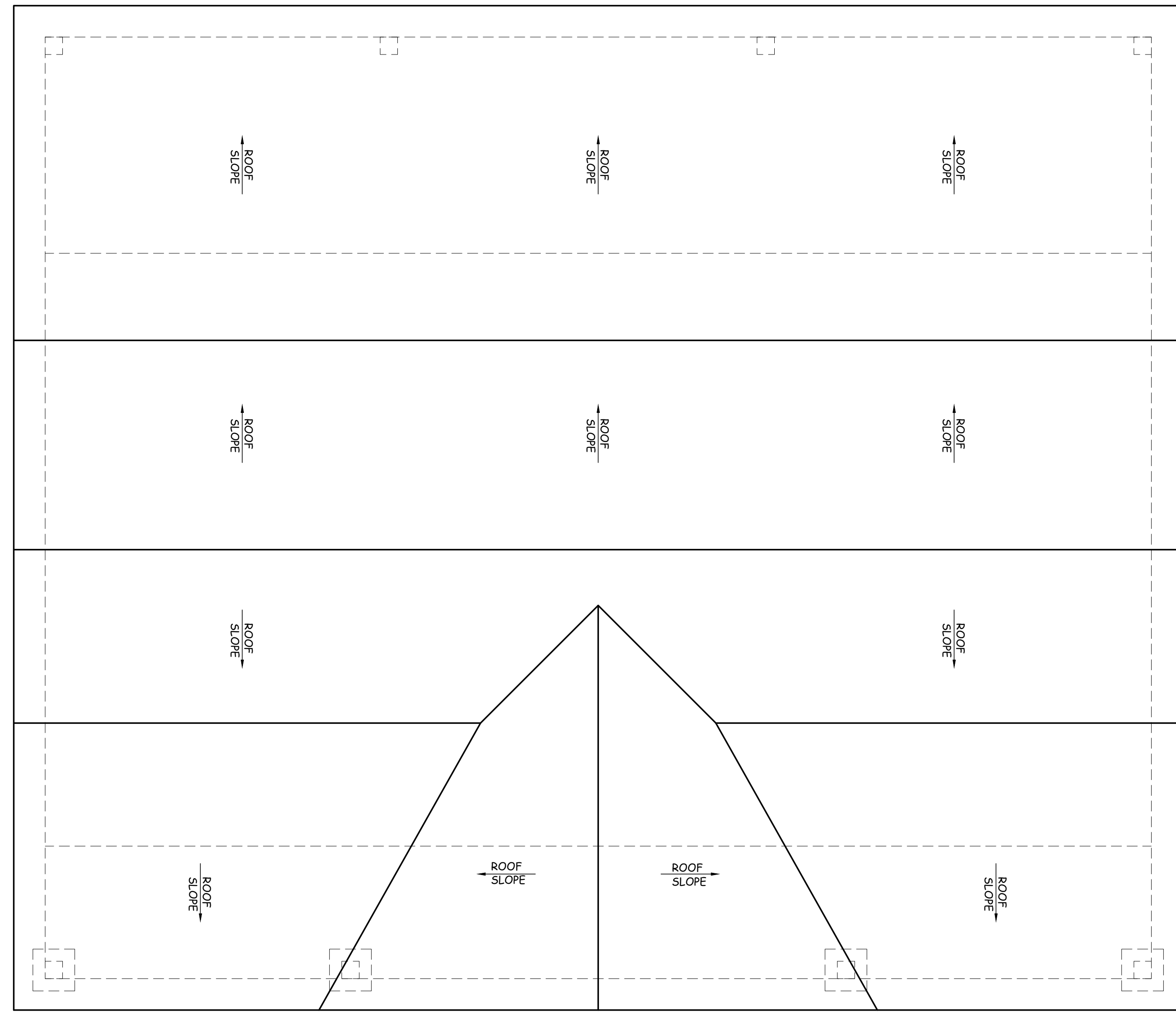
THIS FIRM DOES NOT BEING AN ARCHITECTURAL OR ENGINEERING FIRM AND NO LIABILITY FOR INTEGRITY. EVERY EFFORT HAS BEEN MADE TO OBTAIN THE MOST CURRENT LOCAL, STATE AND GOVERNMENTAL REGULATIONS HAVE BEEN OBTAINED FOR THIS PROJECT. THE CONTRACTOR AND/OR OWNER TO VERIFY ALL LOCAL AND STATE REGULATIONS AND THEIR OWN EXPERTISE AND NOT THE RESPONSIBILITY OF THE DESIGNER.

Revisions:  
Date:  
Description:  
Date:  
Description:  
Order No. : 230524590030  
Drawn By : DAH  
Checked By : DAH  
Date : 05/25/2023  
Size : 24" x 36"  
Sheet Title :  
**WALL DETAILS**  
Sheet Number:

**THIS DRAWING SHALL BE CONSIDERED DIAGRAMMATIC & SCHEMATIC IN NATURE. IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE SUBCONTRACTOR TO ENSURE ADEQUATE REINFORCEMENT, FOUNDATIONS AND STRUCTURAL COMPONENTS ARE PROVIDED.**

**A3.2**

ISSUED FOR  
SINGLE BUILD ONLY



1 ROOF PLAN  
- / - A3.3 1/4" = 1'-0"

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**PERRELL**  
**230524590030**

THIS FIRM DOES NOT BEAR ARCHITECTURAL OR ENGINEERING RESPONSIBILITY FOR THE ACCURACY OF THESE PLANS. THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS HAVE BEEN MET. THE CONTRACTOR AND/OR OWNER TO THESE PLANS SHALL BE RESPONSIBLE FOR THEIR OWN EXPENSE AND NOT THE RESPONSIBILITY OF THE DESIGNER.

Revisions:  
Date:  
Description:  
Date:  
Description:  
Order No. : 230524590030  
Drawn By : DAH  
Checked By : DAH  
Date : 05/25/2023  
Size : 24" x 36"  
Sheet Title :  
**ROOF PLAN**  
Sheet Number:  
**A3.3**

ISSUED FOR  
SINGLE BUILD ONLY

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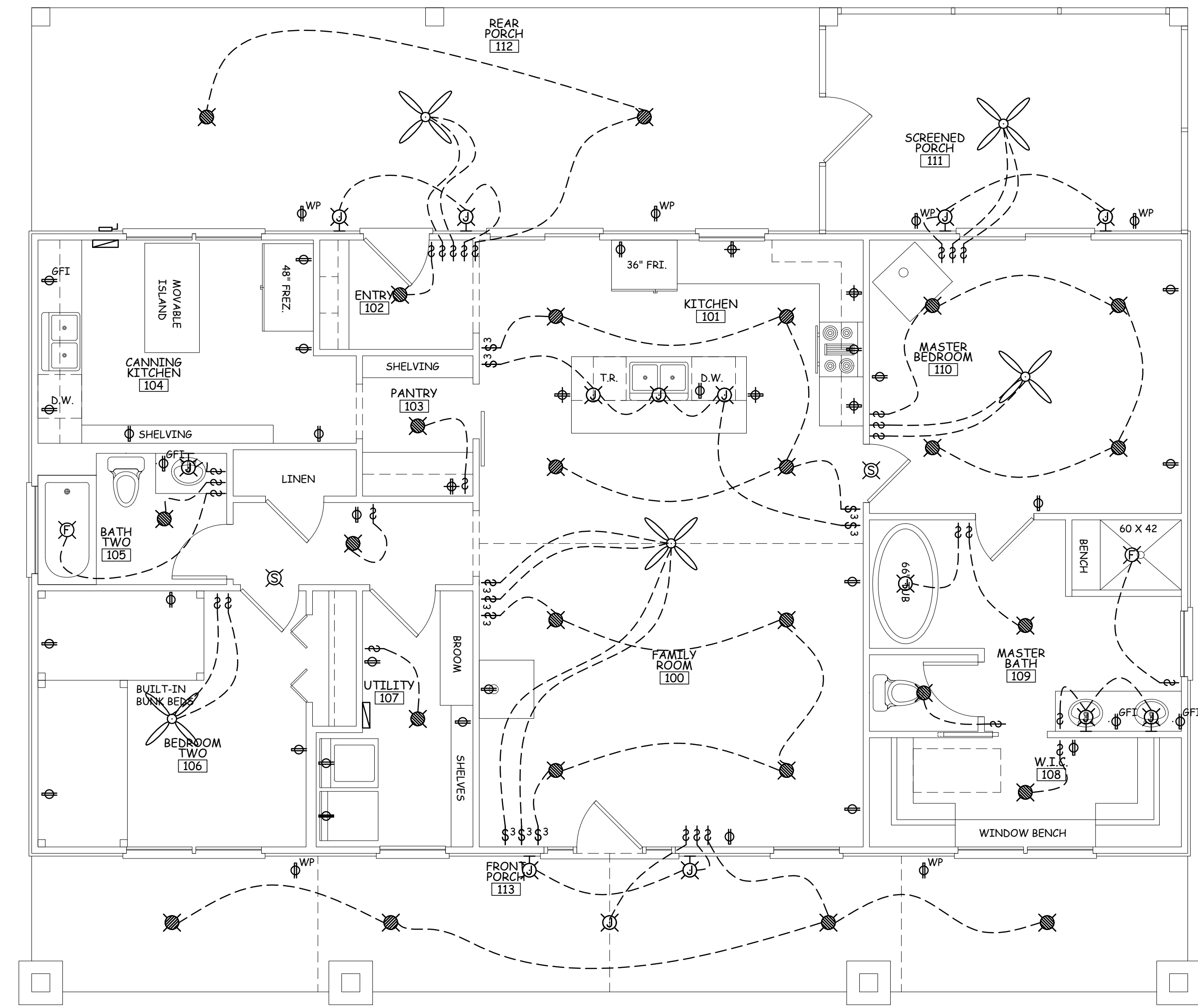
PERRELL  
230524590030

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Revisions:  
Date:  
Description:  
Date:  
Description:  
Order No. : 230524590030  
Drawn By : DAH  
Checked By : DAH  
Date : 05/25/2023  
Size : 24" x 36"  
Sheet Title :  
1ST FLOOR  
ELECTRICAL PLAN  
Sheet Number:

E1.1

- ELECTRICAL NOTES:**
1. ALL CIRCUITRY & WIRE SIZES TO BE DETERMINED BY ELECTRICIAN FOR GENERAL POWER, APPLIANCES, EQUIPMENT & LIGHTING.
  2. VERIFY IN ADVANCE WHAT EQUIPMENT & APPLIANCES WILL BE NATURAL GAS.
  3. ELECTRICAL EQUIPMENT TO BE SIZED & DETERMINED BY ELECTRICIAN IN ADVANCE.
  4. UNLESS OTHERWISE NOTED PROVIDE POWER OUTLETS IN EVERY ROOM TO MEET CODE MINIMUM REQUIREMENTS.
  5. PRIOR TO THE INSTALLATION OF DRYWALL ELECTRICIAN TO WALK HOME WITH G.C./OWNER TO VERIFY OUTLET PLACEMENT.
  6. PROVIDE SMOKE/CARBON MONOXIDE DETECTORS AS REQUIRED BY NEC.
  7. EXTERIOR LIGHTS MUST BE RATED FOR EXTERIOR APPLICATIONS.
  8. OWNER TO DETERMINE LOCATION OF SWITCHES TO FLOOD LIGHTS.
  9. OWNER TO DETERMINE LOCATION OF FLOOR OUTLETS.
  10. OWNER TO DETERMINE LOCATION OF ANY LIGHT TO BE CENTERED ABOVE A PIECE OF FURNITURE OR CABINET.



ELECTRICAL LEGEND			
	DUPLEX RECEPTACLE 110V		LIGHT FIXTURE JUNCTION BOX
	DUPLEX REC. 110V - ABOVE COUNTER		LIGHT FIXTURE - WALL MOUNTED
	WEATHER DUPLEX RECEPTACLE 110V		EXHAUST FAN/LIGHT COMBO
	GROUND FAULT INTERRUPTER 110V		RECESSED LIGHT
	RECEPTACLE 220V		FLOOD LIGHT
	SWITCHED DUPLEX RECEPTACLE 110V		SMOKE DETECTOR
	DUPLEX FLOOR RECEPTACLE 110V		ELECTRICAL PANEL
	MAIN DISCONNECT		FLUORESCENT FIXTURE
	SINGLE POLE SWITCH		CEILING FAN
	2 WAY SWITCH		

THIS DRAWING SHALL BE CONSIDERED DIAGRAMMATIC & SCHEMATIC IN NATURE. IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE SUBCONTRACTOR TO ENSURE ADEQUATE EQUIPMENT, CIRCUITRY, LUMENS, LIGHTING, POWER ETC. IS PROVIDED.

1 1ST FLR. ELECTRICAL PLAN  
1/4" = 1'-0"

ISSUED FOR  
SINGLE BUILD ONLY

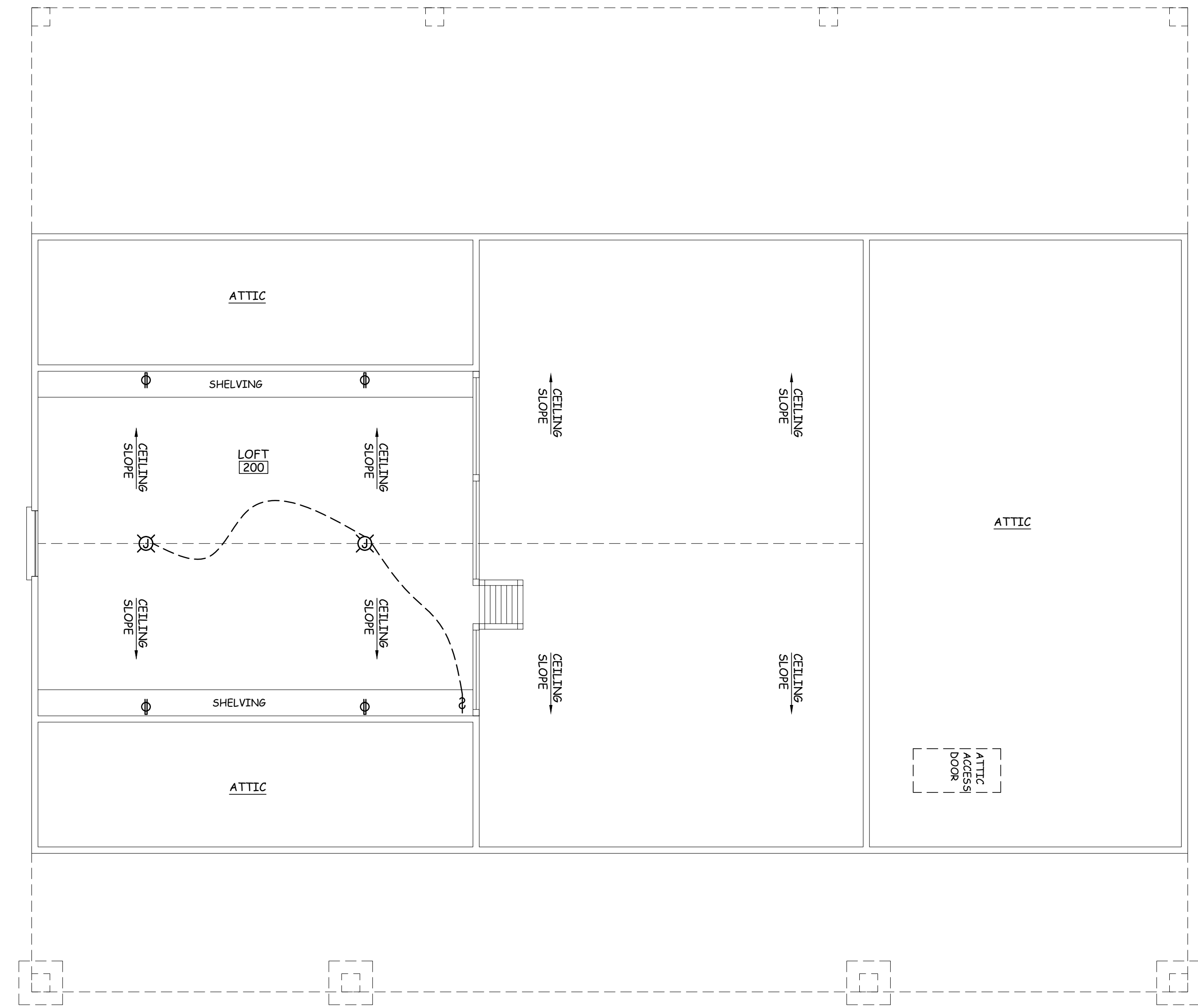
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PERRELL  
230524590030

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Date:  
Description:  
Order No. : 230524590030  
Drawn By : DAH  
Checked By : DAH  
Date : 05/25/2023  
Size : 24" x 36"  
Sheet Title :  
2ND FLOOR  
ELECTRICAL PLAN  
Sheet Number:

- ELECTRICAL NOTES:**
1. ALL CIRCUITRY & WIRE SIZES TO BE DETERMINED BY ELECTRICIAN FOR GENERAL POWER, APPLIANCES, EQUIPMENT & LIGHTING.
  2. VERIFY IN ADVANCE WHAT EQUIPMENT & APPLIANCES WILL BE NATURAL GAS.
  3. ELECTRICAL EQUIPMENT TO BE SIZED & DETERMINED BY ELECTRICIAN IN ADVANCE.
  4. UNLESS OTHERWISE NOTED PROVIDE POWER OUTLETS IN EVERY ROOM TO MEET CODE MINIMUM REQUIREMENTS.
  5. PRIOR TO THE INSTALLATION OF DRYWALL ELECTRICIAN TO WALK HOME WITH G.C./OWNER TO VERIFY OUTLET PLACEMENT.
  6. PROVIDE SMOKE/CARBON MONOXIDE DETECTORS AS REQUIRED BY NEC.
  7. EXTERIOR LIGHTS MUST BE RATED FOR EXTERIOR APPLICATIONS.
  8. OWNER TO DETERMINE LOCATION OF SWITCHES TO FLOOD LIGHTS.
  9. OWNER TO DETERMINE LOCATION OF FLOOR OUTLETS.
  10. OWNER TO DETERMINE LOCATION OF ANY LIGHT TO BE CENTERED ABOVE A PIECE OF FURNITURE OR CABINET.



1 2ND FLR. ELECTRICAL PLAN  
- 7 - | E1.2  
1/4" = 1'-0"

ELECTRICAL LEGEND			
	DUPLEX RECEPTACLE 110V		LIGHT FIXTURE JUNCTION BOX
	DUPLEX REC. 110V - ABOVE COUNTER		LIGHT FIXTURE - WALL MOUNTED
	WEATHER DUPLEX RECEPTACLE 110V		EXHAUST FAN/LIGHT COMBO
	GROUND FAULT INTERRUPTER 110V		RECESSED LIGHT
	RECEPTACLE 220V		FLOOD LIGHT
	SWITCHED DUPLEX RECEPTACLE 110V		SMOKE DETECTOR
	DUPLEX FLOOR RECEPTACLE 110V		ELECTRICAL PANEL
	MAIN DISCONNECT		FLUORESCENT FIXTURE
	SINGLE POLE SWITCH		CEILING FAN
	2 WAY SWITCH		

THIS DRAWING SHALL BE CONSIDERED DIAGRAMMATIC & SCHEMATIC IN NATURE. IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE SUBCONTRACTOR TO ENSURE ADEQUATE EQUIPMENT, CIRCUITRY, LUMENS, LIGHTING, POWER ETC. IS PROVIDED.



# ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables ( derived from the prescriptive Code requirements ) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Jonathan Landry  
**Jonathan Landry**

### LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))  
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ'D STUDS FOR (D) TYP. HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (D) TYP. HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (D) TYP. HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

All Headers Are Considered 2X10 Beams Unless Otherwise Noted

All Walls Shown Are Considered Load Bearing

Roof Area = 2881.18 sq.ft.  
Ridge Line = 0 ft.  
Hip Line = 1.26 ft.  
Horiz. OH = 282.75 ft.  
Raked OH = 133.46 ft.  
Decking = 99 sheets

Dimension Notes  
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise  
2. All interior wall dimensions are to face of stud unless noted otherwise  
3. All exterior wall to truss dimensions are to face of stud unless noted otherwise

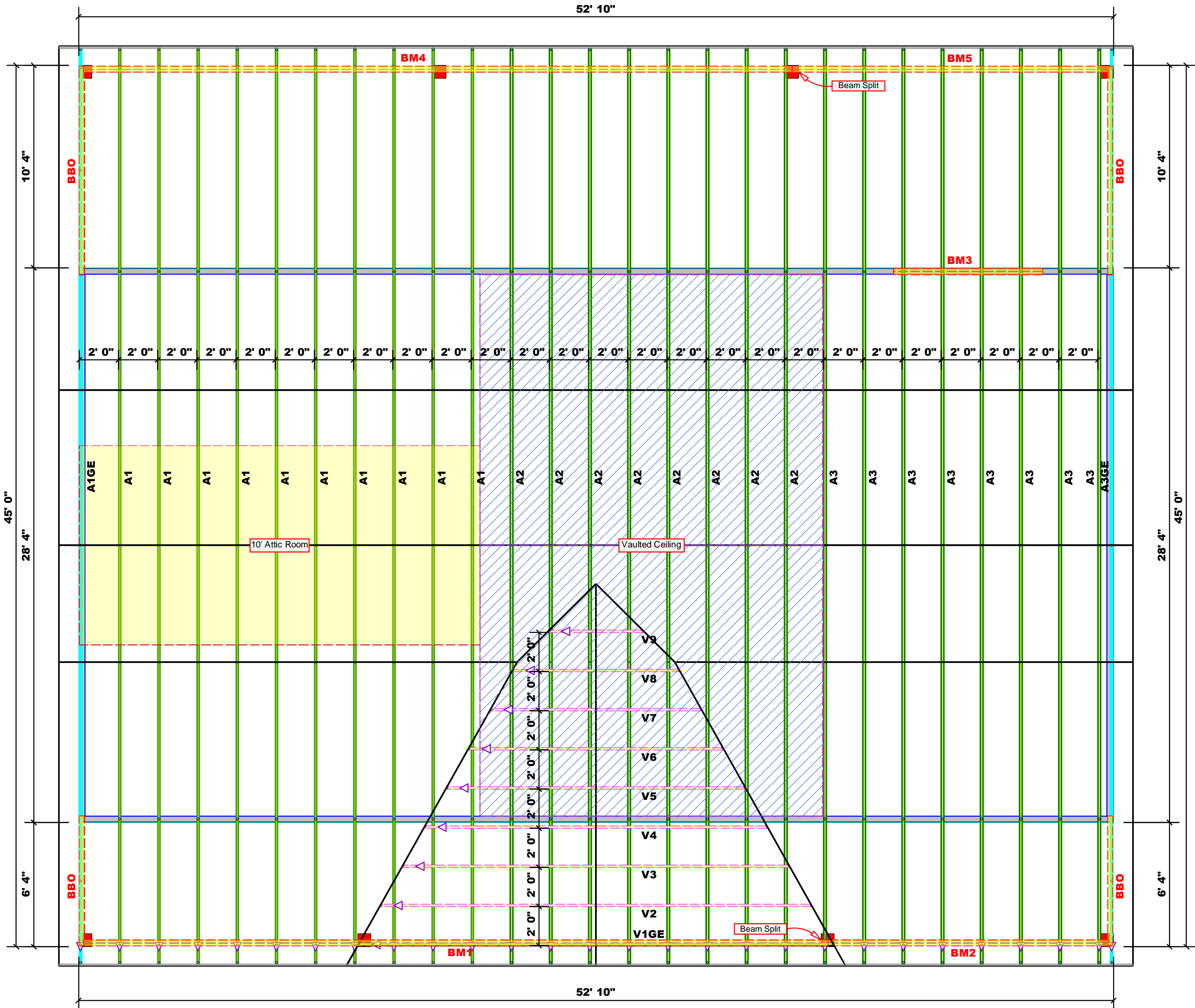
Hatch Legend

- Vaulted Ceiling
- Drop Beam

Products

PlotID	Length	Product	Plies	Net Qty
BM1	38' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
BM2	15' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
BM3	8' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
BM4	37' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
BM5	17' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2

1 Truss Placement Plan  
Scale: 1/4" = 1'



▲ = Denotes Left End of Truss  
(Reference Engineered Truss Drawing)

BUILDER	JOB NAME	PLAN	SEAL DATE	QUOTE #	JOB #	CITY / CO.	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALES REP.
Ashley Cummings	7481 Old U.S. Hwy 421	Boisvert	N/A		J1223-6914	Lillington / Harnett	7491 Old U.S. Highway 421	Roof	02/05/24	Jonathan Landry	Lenny Norris

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

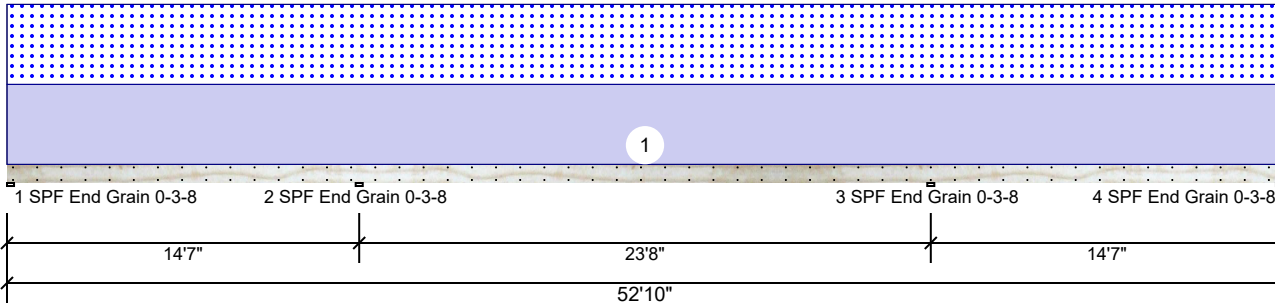


Client: Ashley Cummings  
 Project: Boisvert  
 Address: 7481 Old U.S. Highway 421  
 Lillington, NC 27546

Date: 2/5/2024  
 Input by: Jonathan Landry  
 Job Name: 7481 Old U.S. Hwy 421  
 Project #: J1223-6914

**BM1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	285	252	0	0
2	Vertical	0	1358	1201	0	0
3	Vertical	0	1358	1201	0	0
4	Vertical	0	285	252	0	0

**Bearings**

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	6%	284 / 315	600	L_L	D+S
2 - SPF End Grain	3.500"	Vert	23%	1358 / 1224	2583	LL_	D+S
3 - SPF End Grain	3.500"	Vert	23%	1358 / 1224	2583	_LL	D+S
4 - SPF End Grain	3.500"	Vert	6%	284 / 315	600	L_L	D+S

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Neg Moment	-4856 ft-lb	14'7"	14423 ft-lb	0.337 (34%)	D+S	LL_
Pos Moment	3645 ft-lb	26'5"	14423 ft-lb	0.253 (25%)	D+S	_L_
Unbraced	3645 ft-lb	26'5"	3648 ft-lb	0.999 (100%)	D+S	_L_
Shear	1301 lb	15'6"	7943 lb	0.164 (16%)	D+S	LL_
LL Defl inch	0.324 (L/876)	26'5 1/16"	0.592 (L/480)	0.548 (55%)	S	_L_
TL Defl inch	0.631 (L/450)	26'5 1/16"	0.789 (L/360)	0.800 (80%)	D+S	_L_

**Design Notes**

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 21'3 5/8" o.c.
- 7 Bottom must be laterally braced at a maximum of 15'10 3/8" o.c.
- 8 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform Self Weight	0-0-0 to 52-10-0		Top	55 PLF 7 PLF	0 PLF	55 PLF	0 PLF	0 PLF	A2

**Notes**

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

**Lumber**

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

**Handling & Installation**

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

**Manufacturer Info**

Metsä Wood  
 301 Merritt 7 Building, 2nd Floor  
 Norwalk, CT 06851  
 (800) 622-5850  
[www.metsawood.com/us](http://www.metsawood.com/us)

Comtech, Inc.  
 1001 S Reilly Road  
 Fayetteville  
 Cumberland  
 28314

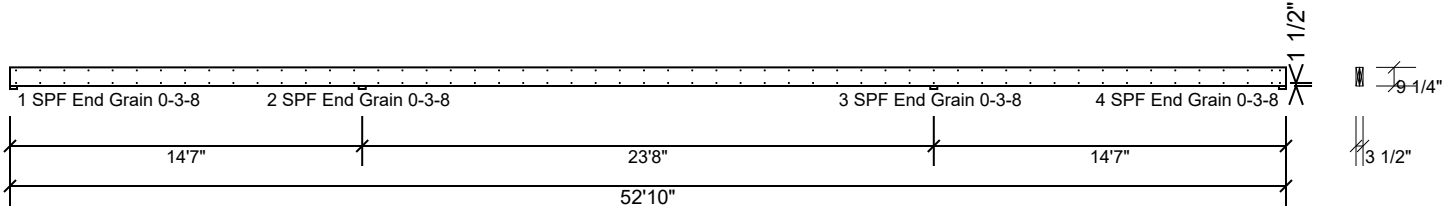


Client: Ashley Cummings  
 Project: Boisvert  
 Address: 7481 Old U.S. Highway 421  
 Lillington, NC 27546

Date: 2/5/2024  
 Input by: Jonathan Landry  
 Job Name: 7481 Old U.S. Hwy 421  
 Project #: J1223-6914

**BM1 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	163.7 PLF
Yield Limit per Fastener	81.9 lb.
C <sub>m</sub>	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

**Notes**

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

**Lumber**

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

chemicals

**Handling & Installation**

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

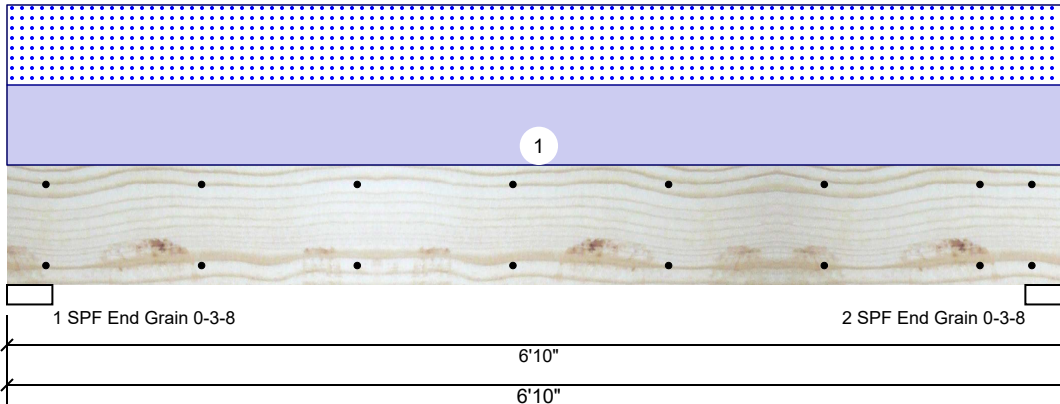
**Manufacturer Info**

Metsä Wood  
 301 Merritt 7 Building, 2nd Floor  
 Norwalk, CT 06851  
 (800) 622-5850  
[www.metsawood.com/us](http://www.metsawood.com/us)

Comtech, Inc.  
 1001 S Reilly Road  
 Fayetteville  
 Cumberland  
 28314

**BM2 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1463	1438	0	0
2	Vertical	0	1463	1438	0	0

**Bearings**

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	28%	1463 / 1438	2901	L	D+S
2 - SPF End Grain	3.500"	Vert	28%	1463 / 1438	2901	L	D+S

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4314 ft-lb	3'5"	14423 ft-lb	0.299 (30%)	D+S	L
Unbraced	4314 ft-lb	3'5"	10210 ft-lb	0.423 (42%)	D+S	L
Shear	2005 lb	5'9 1/4"	7943 lb	0.252 (25%)	D+S	L
LL Defl inch	0.041 (L/1843)	3'5"	0.159 (L/480)	0.260 (26%)	S	L
TL Defl inch	0.084 (L/914)	3'5"	0.212 (L/360)	0.394 (39%)	D+S	L

**Design Notes**

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Const.	Comments
1	Uniform			Top	0.9	0 PLF	421 PLF	0 PLF	1.25	A4
	Self Weight				7 PLF					

**Notes**

Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

**Lumber**

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

chemicals

**Handling & Installation**

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

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**Manufacturer Info**

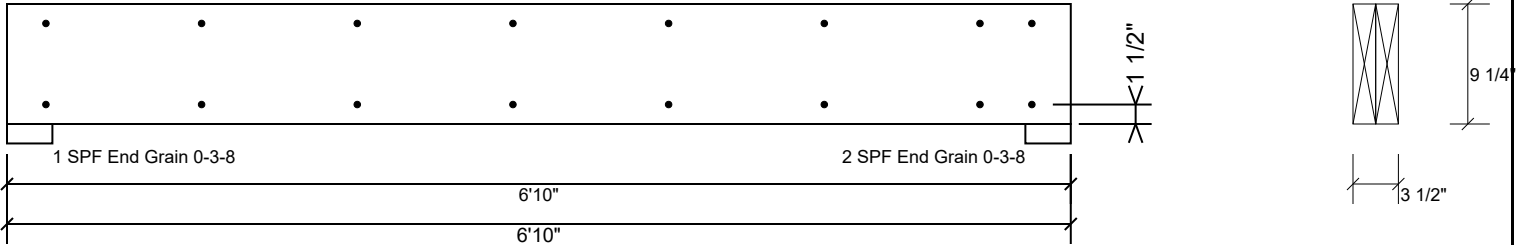
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**BM2 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	163.7 PLF
Yield Limit per Fastener	81.9 lb.
C <sub>m</sub>	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

**Notes**

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**Lumber**

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2. LVL not to be treated with fire retardant or corrosive chemicals

**Handling & Installation**

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

**Manufacturer Info**

Metsä Wood  
 301 Merritt 7 Building, 2nd Floor  
 Norwalk, CT 06851  
 (800) 622-5850  
[www.metsawood.com/us](http://www.metsawood.com/us)

Comtech, Inc.  
 1001 S Reilly Road  
 Fayetteville  
 Cumberland  
 28314

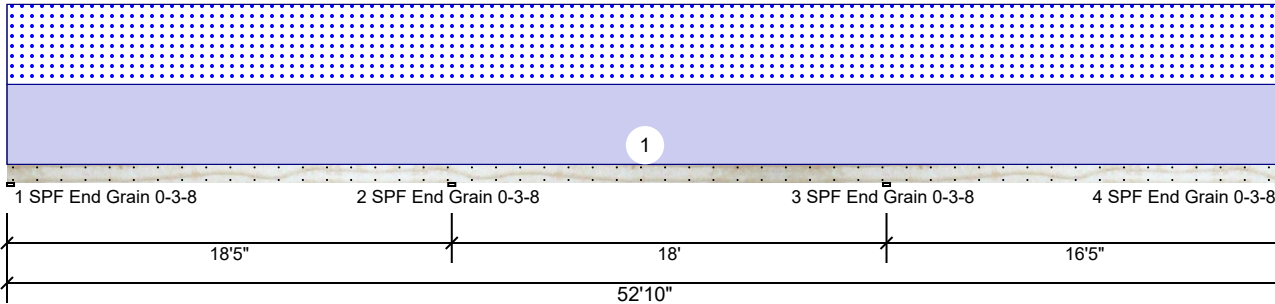


Client: Ashley Cummings  
 Project: Boisvert  
 Address: 7481 Old U.S. Highway 421  
 Lillington, NC 27546

Date: 2/5/2024  
 Input by: Jonathan Landry  
 Job Name: 7481 Old U.S. Hwy 421  
 Project #: J1223-6914

**BM3 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II	Ceiling:	Gypsum 1/2"
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	688	634	0	0
2	Vertical	0	1871	1725	0	0
3	Vertical	0	1703	1571	0	0
4	Vertical	0	609	561	0	0

**Bearings**

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	13%	687 / 671	1358	L_L	D+S
2 - SPF End Grain	3.500"	Vert	32%	1872 / 1784	3656	LL_	D+S
3 - SPF End Grain	3.500"	Vert	29%	1703 / 1652	3356	_LL	D+S
4 - SPF End Grain	3.500"	Vert	12%	609 / 606	1215	L_L	D+S

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Neg Moment	-6198 ft-lb	18'5"	14423 ft-lb	0.430 (43%)	D+S	LL_
Pos Moment	4897 ft-lb	7'7 15/16"	14423 ft-lb	0.339 (34%)	D+S	L_L
Unbraced	4897 ft-lb	7'7 15/16"	4899 ft-lb	1.000 (100%)	D+S	L_L
Shear	1795 lb	17'6"	7943 lb	0.226 (23%)	D+S	LL_
LL Defl inch	0.297 (L/734)	8'8"	0.455 (L/480)	0.654 (65%)	S	L_L
TL Defl inch	0.565 (L/386)	8'6 1/8"	0.606 (L/360)	0.932 (93%)	D+S	L_L

**Design Notes**

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 15'8 3/4" o.c.
- 7 Bottom must be laterally braced at a maximum of 12'3 3/8" o.c.
- 8 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	85 PLF	0 PLF	85 PLF	0 PLF	0 PLF	A2
	Self Weight				7 PLF					

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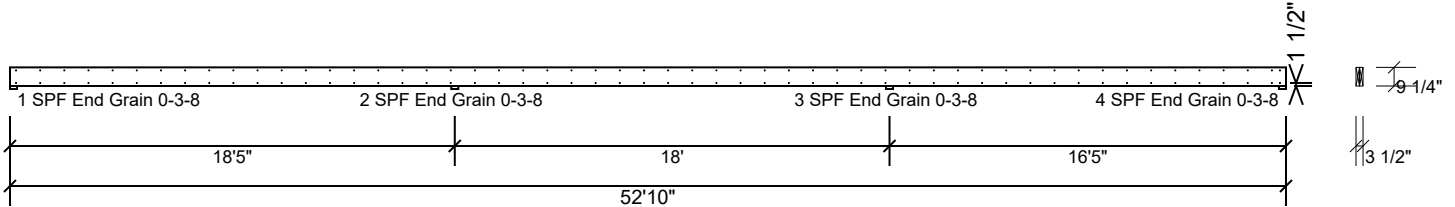


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**BM3 Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED**

Level: Level



**Multi-Ply Analysis**

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	163.7 PLF
Yield Limit per Fastener	81.9 lb.
C <sub>m</sub>	1
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

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