

PLAN:  
Liberty 2.0



**FRONT ELEVATION**

Scale: 1/4" = 1'0"

9'0" CEILING HEIGHT FIRST FLOOR  
(HEADER HEIGHT 7'6")  
8'0" CEILING HEIGHT SECOND FLOOR  
(Frame 2x10" Headers directly below top plates)  
FRAME WINDOWS TO HEADER HEIGHT



**LEFT ELEVATION**

Scale: 1/8" = 1'0"



**RIGHT ELEVATION**

Scale: 1/8" = 1'0"



**REAR ELEVATION**

Scale: 1/8" = 1'0"

SHEET TITLE:  
**ELEVATIONS**

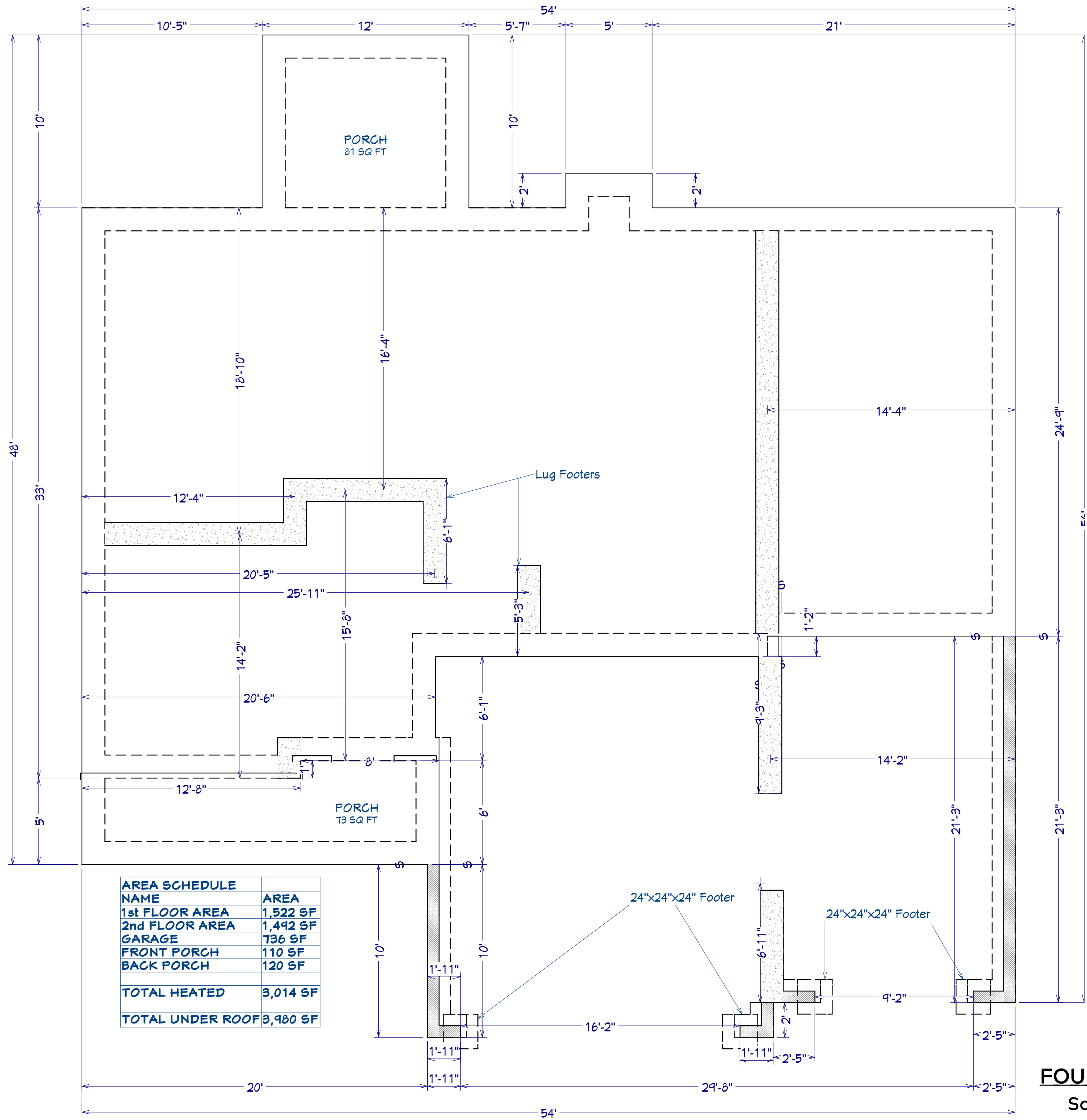
PROJECT ADDRESS:  
TBD Rush Lane  
Liberty Meadows Lot 56

DESIGNED BY:  
Precision Custom Homes  
Raeferd, NC  
Shaun@PrecisionCustomHomesNC.com

DATE:  
9/19/23

SCALE:  
1/4" = 1'

SHEET:  
**A-1**



AREA SCHEDULE	
NAME	AREA
1st FLOOR AREA	1,522 SF
2nd FLOOR AREA	1,492 SF
GARAGE	736 SF
FRONT PORCH	110 SF
BACK PORCH	120 SF
<b>TOTAL HEATED</b>	<b>3,014 SF</b>
<b>TOTAL UNDER ROOF</b>	<b>3,980 SF</b>

**FOUNDATION PLAN**  
Scale: 1/4" = 1'0"

PLAN:  
Liberty 2.0

SHEET TITLE:  
**FOUNDATION**

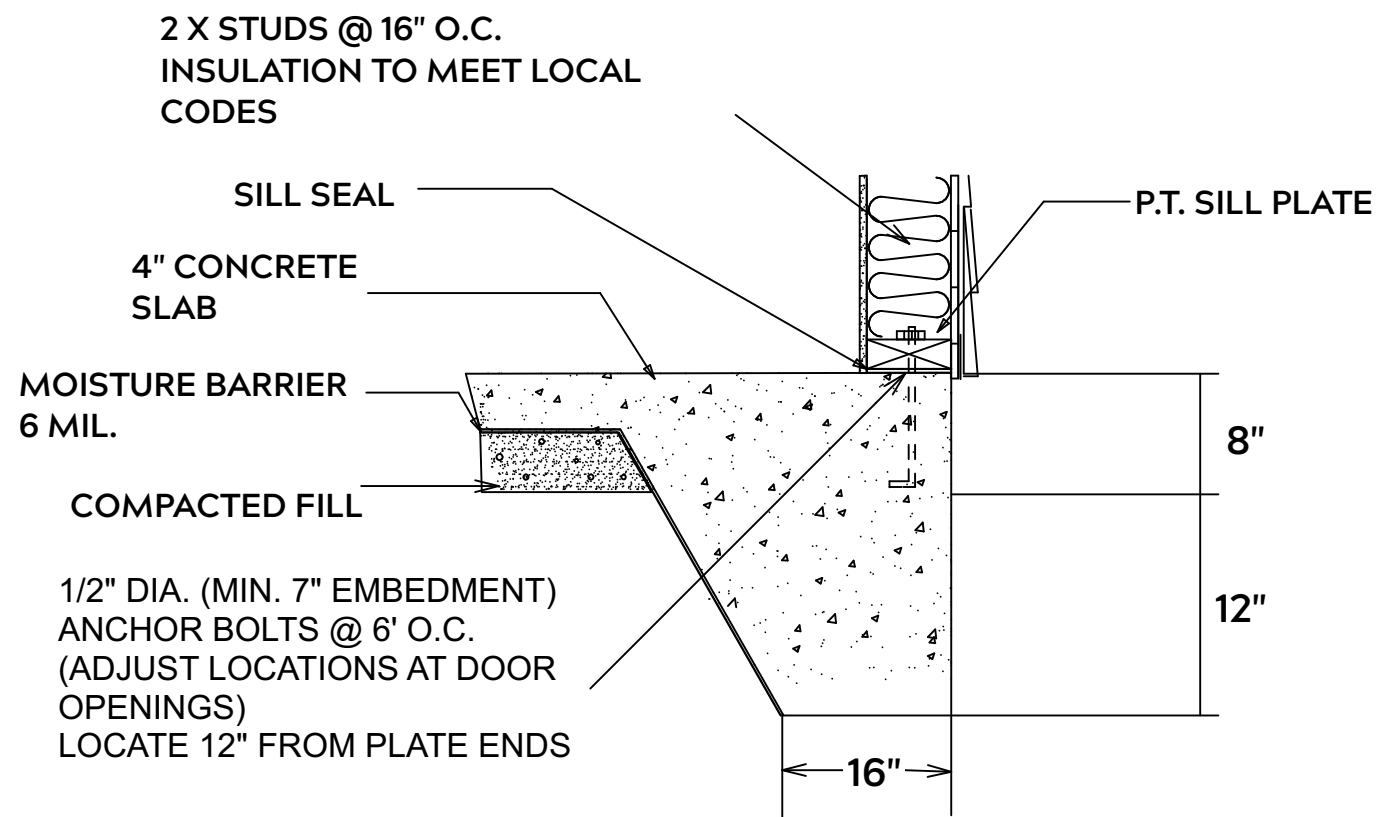
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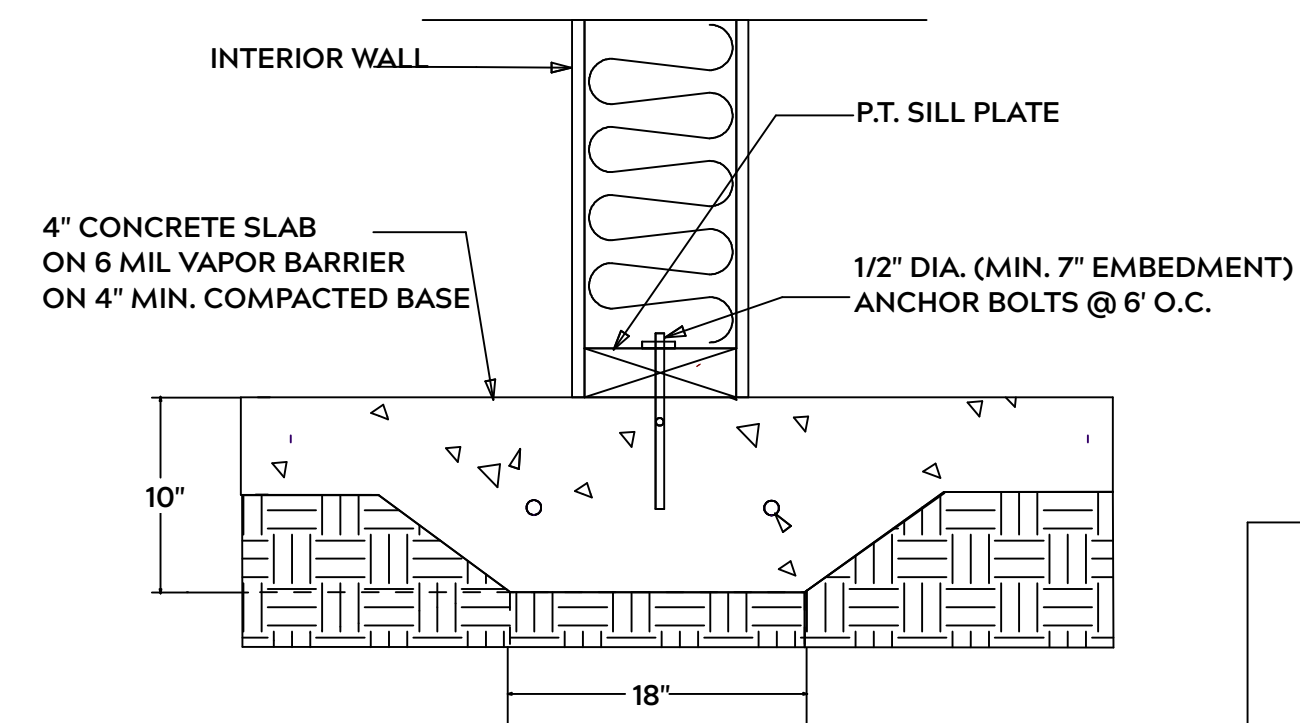
DATE:  
9/19/23

SCALE:  
1/4" = 1'

SHEET:  
**A-2**



**MONOLITHIC SLAB**



**LUG FOOTING**

**FOUNDATION NOTES:**

ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL  
THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI

PROVIDE WATER PROOFING AND PERIMTER DRAINS AS REQUIRED

FOOTING WIDTHS ARE BASED ON A LOAD BEARING SOIL CAPACITY OF 2000 PSI

PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND IN CRAWL SPACE AND GROUND UNDER POURED CONCRETE

ALL ANCHOR BOLTS TO BE 1/2" X 12" LONG. ANCHOR BOLTS SHALL BE SPACED AT A MAXIMUM OF 6' ON CENTER AND NO MORE THEN 1' FROM EACH CORNER

**GENERAL FRAMING NOTES:**

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALLE BE PRESSURE TREATED

FRAMING LUMBER SHALL BE SYP #2 GRADE AND / OR SPRUCE PINE FIR #1 AND / OR KILN DRIED

WHERE PRE-ENGINEERED JOISTS AND TRUSSES ARE USED, MANUFACTURER SHALL PROVIDE DRAWINGS / SCHEMATICS, WHICH SHALL BEAR OF A N.C. ENGINEER

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN MEMBER TO ITS ORIGINAL CAPACITY

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" O.C. AND USE 3 X 16d NAILS 2" IN AT EACH END.

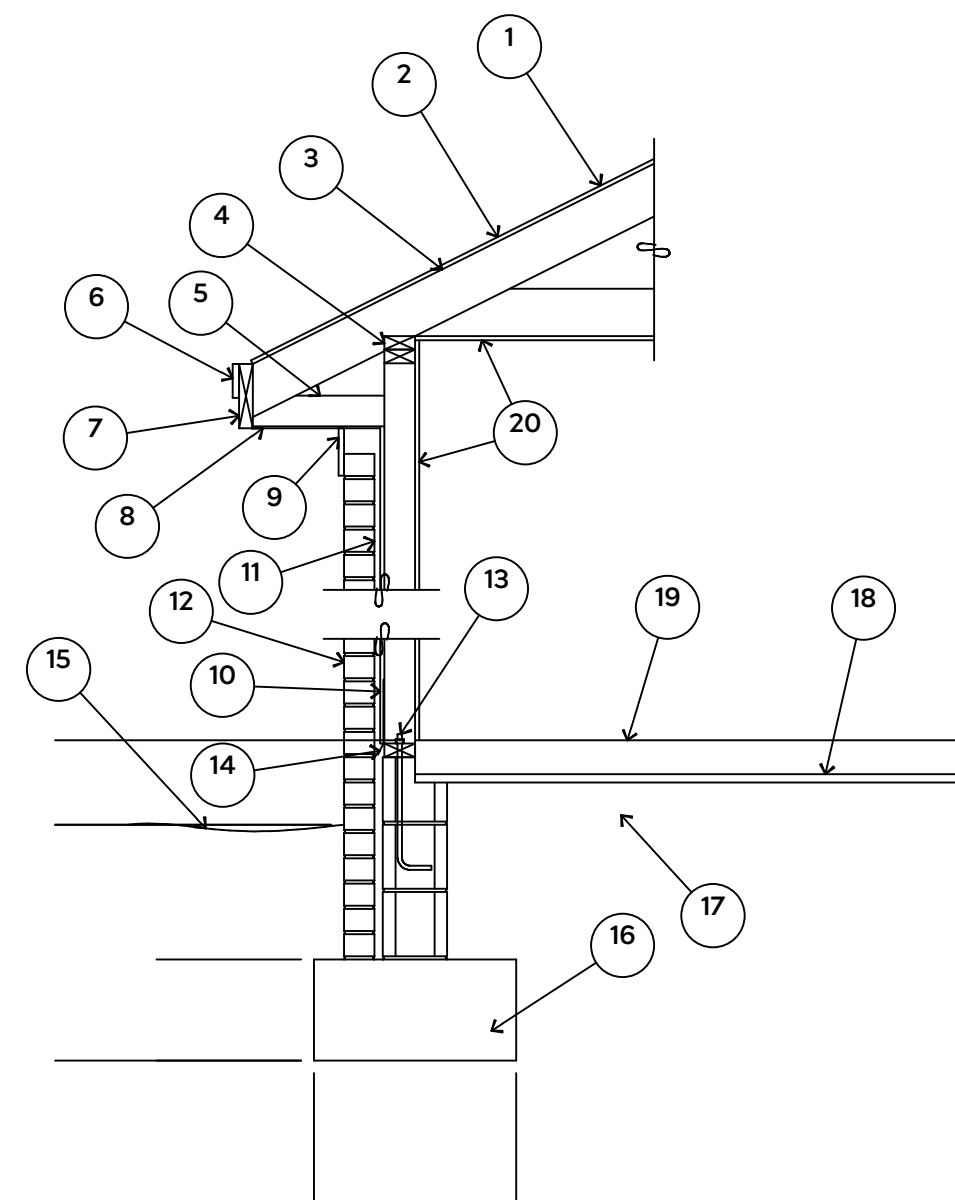
NAIL FLOOR JOISTS TO SILL PLATE WITH WITH 8d TOE NAILS

ALL EXPOSED FRAMING ON PORCHES OR DECKS SHALL BE PRESSURE TREATED

PROVIDE WATERPROOFING AND DRAINS AS REQUIRED

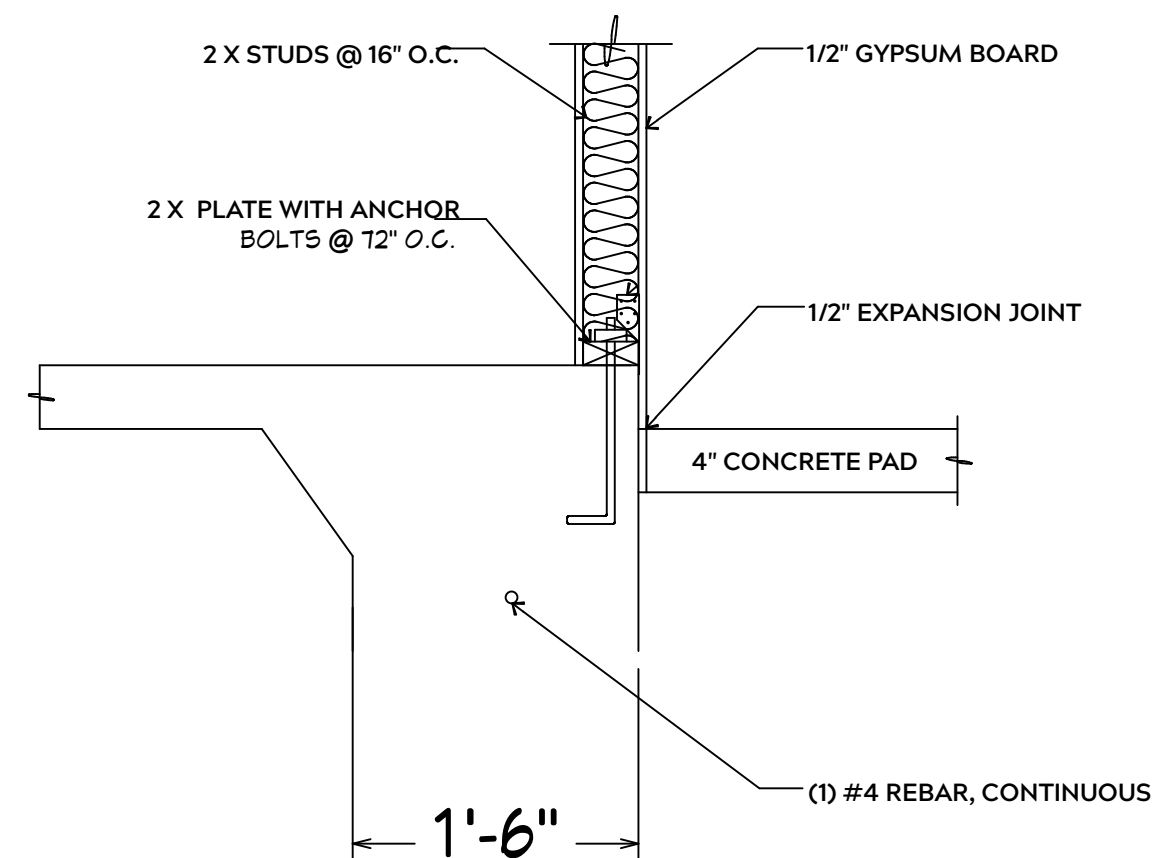
ALL FRAMING TO BE 16" O.C. WALL FRAMING DIMENSIONS ARE BASED ON 2X4 OR 2X6 EXTERIOR WALLS AND 2X4 INTERIOR WALLS. DOULBE / TRIPLE JACK STUDS AS NECESSARY UNDER HEADERS AS REQUIRED

LVL'S TO BE SIZED BY OTHERS (TRUSS MANUFACTURER)

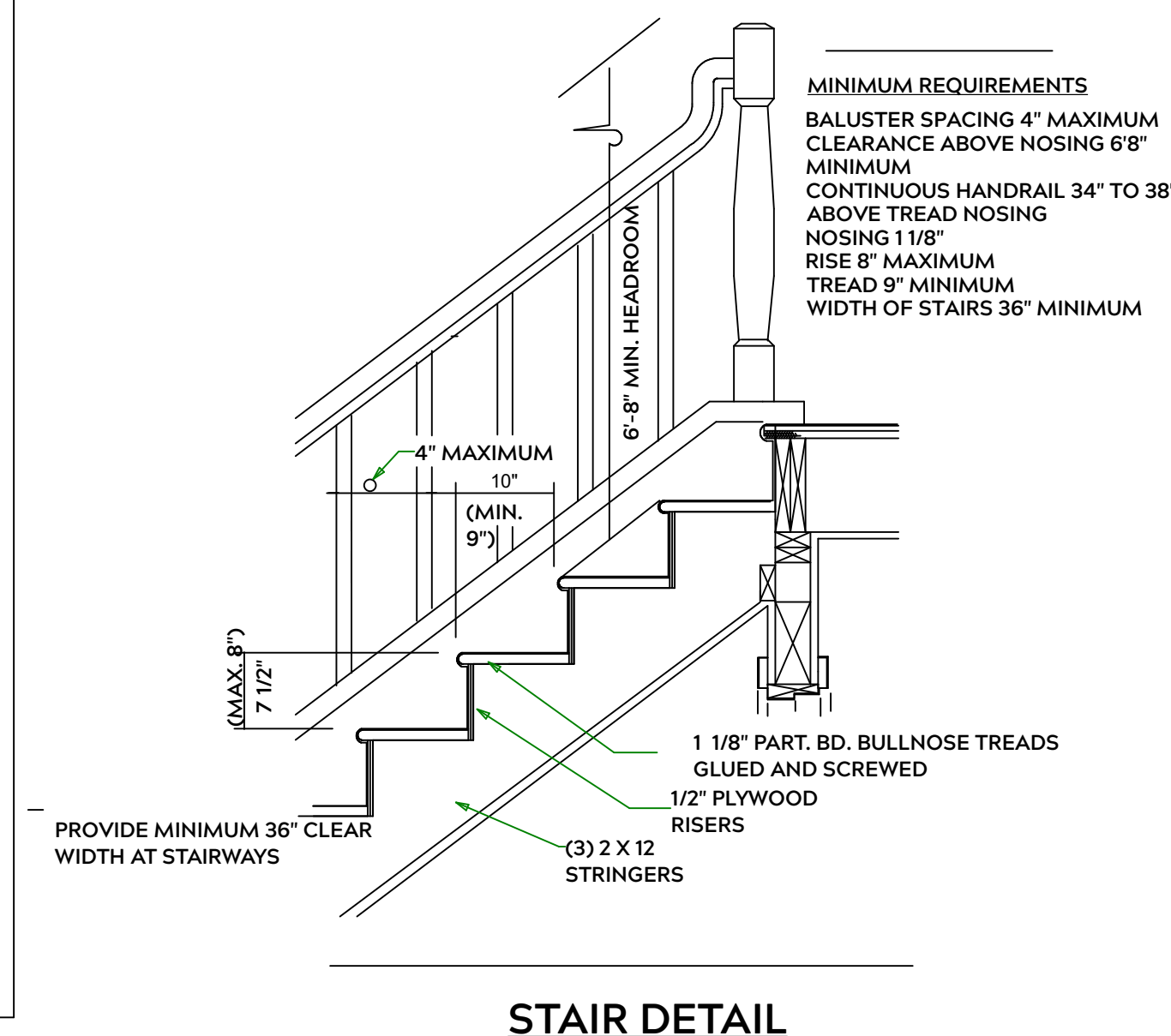


1. 15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.
2. ROOF DECKING.
3. 2 X RAFTERS / ENGINEERED TRUSSES
4. DOUBLE TOP PLATE.
5. 2 X 4 RETURN.
6. 3/4" FASCIA OR PVC TRIM COIL
7. 2 X FASCIA
8. 1/4" PLYWOOD OR VINYL SOFFIT
9. 1 X FREIZE BOARD (TO BE USED WITH BRICK VENEERS)
10. INSULATION BOARD OR HOUSE WRAP
11. AIR SPACE.
12. BRICK WITH BRICK TIES PER MANUFACTURER'S SPECIFICATIONS.
13. 1/2" X 12" ANCHOR BOLTS, 6'-0" O.C., 12" FROM CORNERS.
14. FLASHING WITH WEEP HOLES @ 48" O.C.
15. FINISHED GRADE.
16. FOOTING
17. COMPACTED EARTH FILL.
18. 6 MIL. VAPOR BARRIER
19. 4" CONCRETE SLAB, 3,000 P.S.I. WITH 6" X 6" 10 GA. X 10 GA. WELDED WIRE FABRIC.
20. 1/2" GYPSUM BOARD.

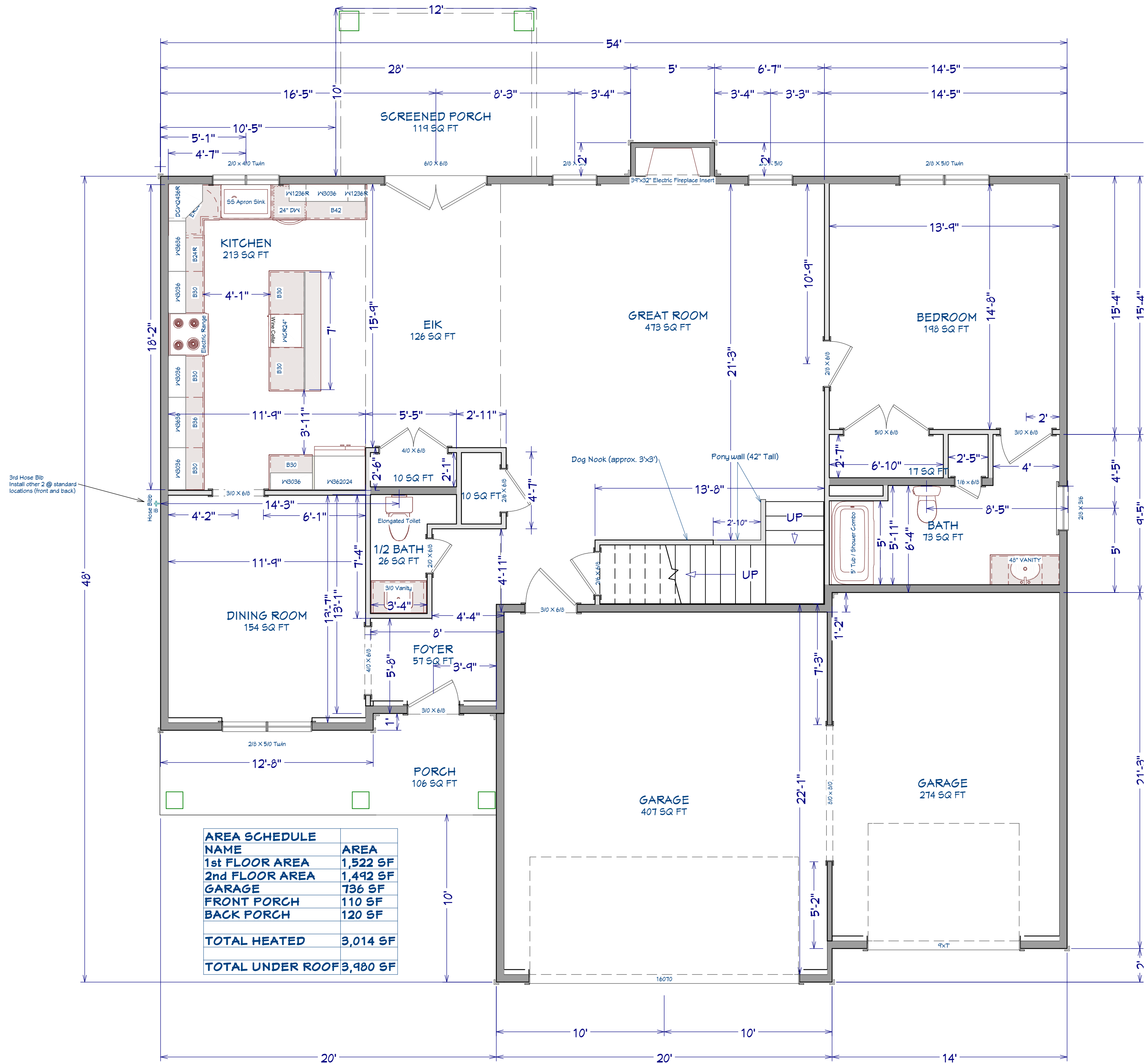
**EXTERIOR WALL SECTION**

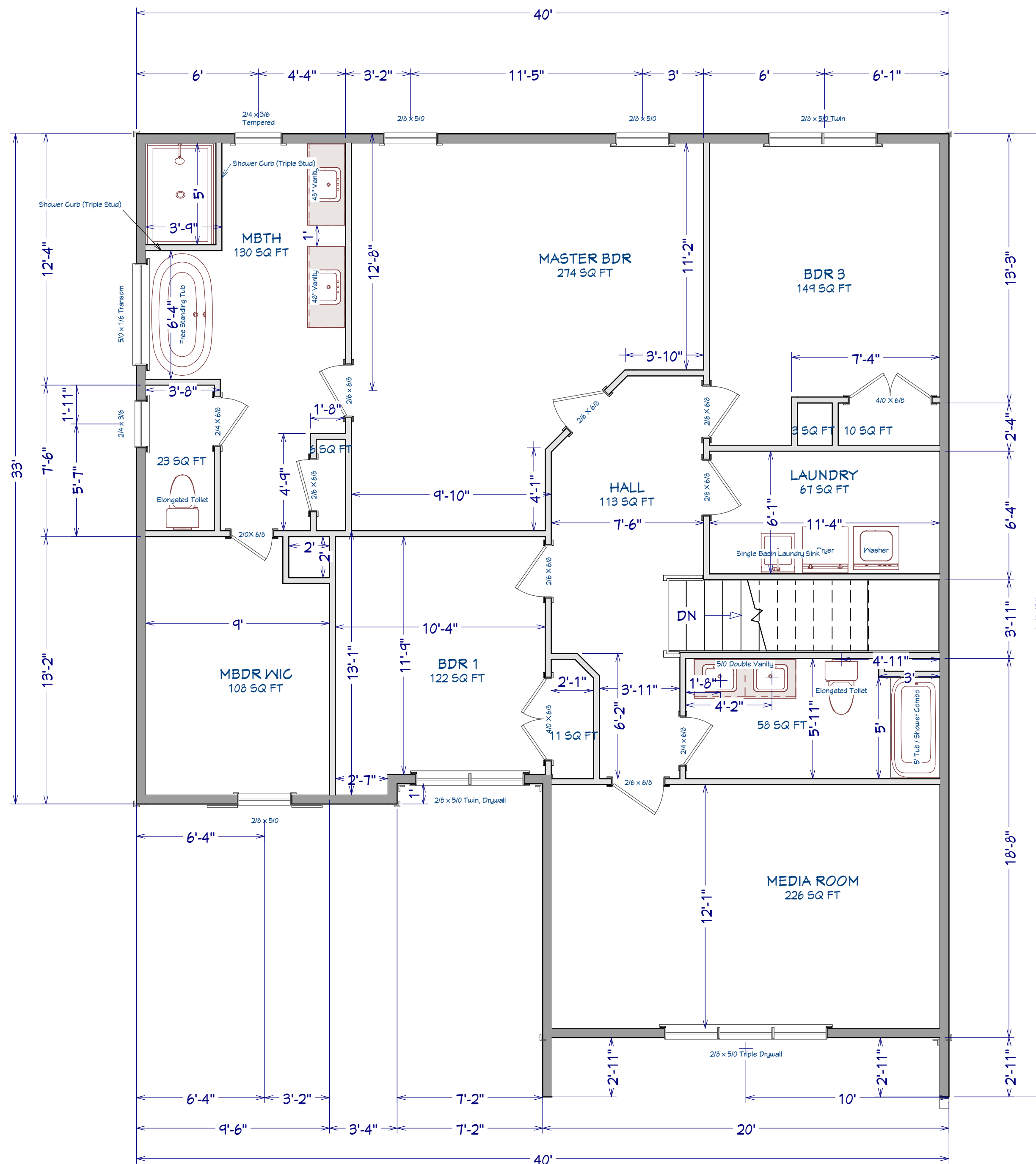


**INTERIOR WALL @ GARAGE STEP DOWN**



**STAIR DETAIL**





AREA SCHEDULE NAME	AREA
1st FLOOR AREA	1,522 SF
2nd FLOOR AREA	1,492 SF
GARAGE	736 SF
FRONT PORCH	110 SF
BACK PORCH	120 SF
<b>TOTAL HEATED</b>	<b>3,014 SF</b>
<b>TOTAL UNDER ROOF</b>	<b>3,480 SF</b>

SHEET TITLE:

**2nd FLOOR**

**PROJECT ADDRESS:**  
TBD Rush Lane  
Liberty Meadows Lot 56

DESIGNED BY:  
Precision Custom Homes  
Raeferd, NC  
Shaun@PrecisionCustomHomesNC.com

DATE:

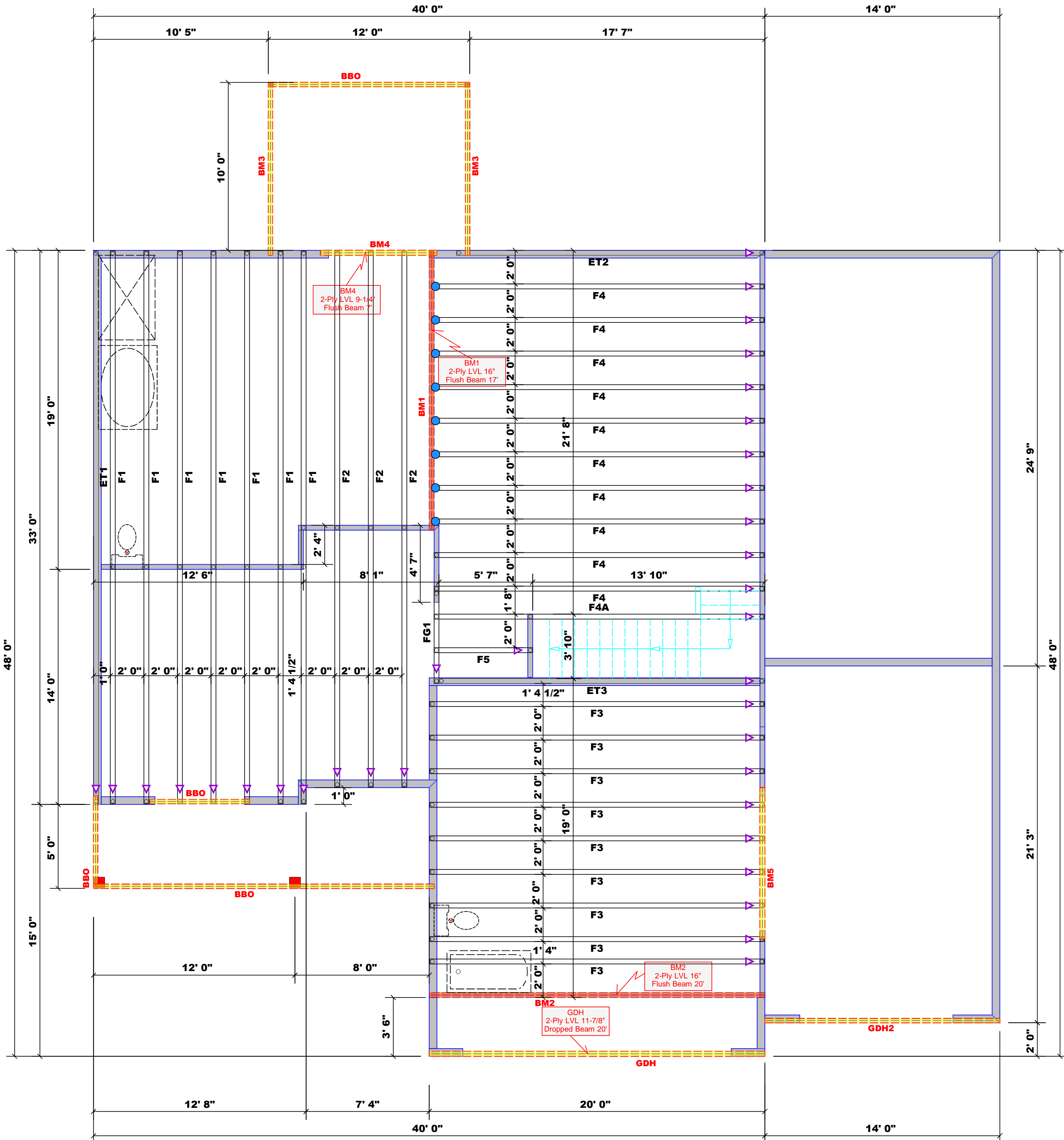
9/19/23

SCALE:

1/4" = 1'

SHEET:

**A-5**



Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM1	17' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM2	20' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM3	12' 0"	2x10 SP No.2	2	4	FF
BM4	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	FF
BM5	9' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
GDH	20' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
GDH2	14' 0"	2x12 SPF No.2	2	2	FF

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

- Dimension Notes**
- All exterior wall to wall dimensions are to face of sheathing unless noted otherwise
  - All interior wall dimensions are to face of frame wall unless noted otherwise
  - All exterior wall to truss dimensions are to face of frame wall unless noted otherwise

Connector Information				Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header / Truss
●	HUS410	USP	8	Varies	16d/3-1/2" / 16d/3-1/2"

- Plumbing Drop Notes**
- Plumbing drop locations shown are NOT exact.
  - Contractor to verify ALL plumbing drop locations prior to setting Floor Trusses.
  - Adjust spacing as needed not to exceed 24"oc.

**▲ = Indicates Left End of Truss**  
**(Reference Engineered Truss Drawing)**  
**Do NOT Erect Truss Backwards**

**LOAD CHART FOR JACK STUDS**

(BASED ON TABLES B502.5(1) & (2))  
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEAD/SUPPORT

END REACTION (UP TO) HEAD/SUPPORT	END REACTION (UP TO) HEAD/SUPPORT	END REACTION (UP TO) HEAD/SUPPORT
1700	2550	3400
3400	5100	6800
5100	7650	10200
6800	10200	13600
8500	12750	17000
10200	15300	
11900		
13600		
15300		

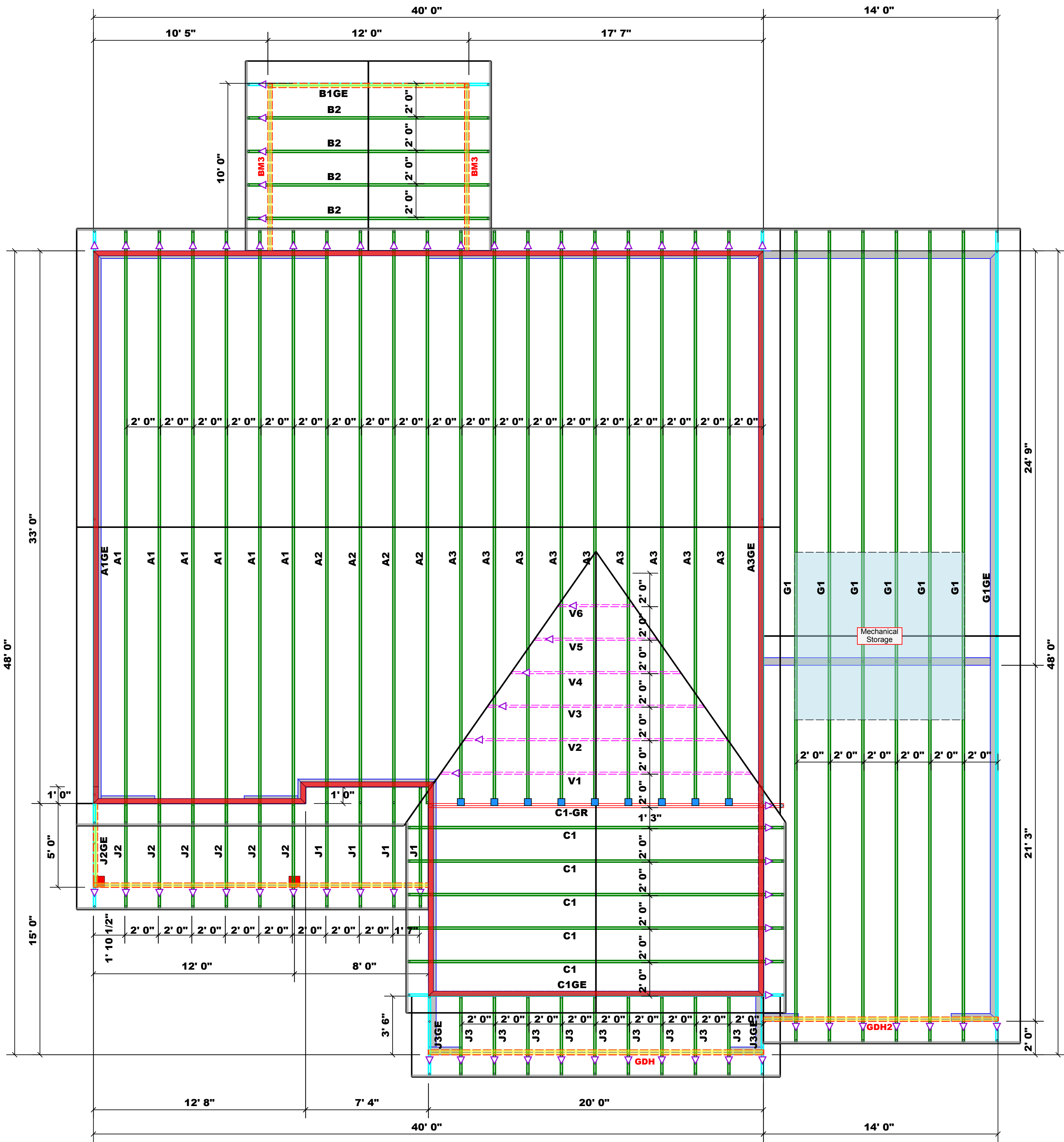
<b>BUILDER</b>	Precision Custom Homes and Renovations	<b>COUNTY</b>	Cameron / Harnett
<b>JOB NAME</b>	Lot 56 Liberty Meadow	<b>ADDRESS</b>	Lot 56 Liberty Meadow
<b>PLAN</b>	Liberty 2.0 w/ CP	<b>MODEL</b>	Floor
<b>SEAL DATE</b>	N/A	<b>DATE REV.</b>	09/18/23
<b>QUOTE #</b>		<b>DRAWN BY</b>	David Landry
<b>JOB #</b>	J0523-2577	<b>SALESMAN</b>	Neil Baggett

**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 BCSH-B1 and BCSH-B3 provided with the truss delivery package or online @ sbcindustry.com

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: David Landry

**comTECH**  
**ROOF & FLOOR TRUSSES & BEAMS**  
Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444



Products					
PlottID	Length	Product	Plies	Net Qty	Fab Type
BM1	17' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM2	20' 0"	1-3/4"x 16" LVL Kerto-S	2	2	FF
BM3	12' 0"	2x10 SP No.2	2	4	FF
BM4	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	FF
BM5	9' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
GDH	20' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
GDH2	14' 0"	2x12 SPF No.2	2	2	FF

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

**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 frame wall unless noted otherwise.  
 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise.

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
■	HUS26	USP	9	NA	16d/3-1/2"	16d/3-1/2"

Hatch Legend	
	Box Storage
	Drop Beam
	2nd Floor Walls

Roof Area = 3371.07 sq.ft.  
 Ridge Line = 96.21 ft.  
 Hip Line = 0 ft.  
 Horiz. OH = 183.58 ft.  
 Raked OH = 213.39 ft.  
 Decking = 116 sheets

= Indicates Left End of Truss  
 (Reference Engineered Truss Drawing)  
 Do NOT Erect Truss Backwards

**LOAD CHART FOR JACK STUDS**  
 (BASED ON TABLES B502.5(1) & (2))  
 NUMBER OF JACK STUDS REQUIRED @ EA END OF HEAD/SUPPORT

END REACTION (UP TO) 1000 LB	END REACTION (UP TO) 2500 LB	END REACTION (UP TO) 5100 LB	END REACTION (UP TO) 7650 LB	END REACTION (UP TO) 10200 LB	END REACTION (UP TO) 12750 LB	END REACTION (UP TO) 15300 LB
1700	2500	5100	7650	10200	12750	15300
3400	5100	6800	10200	13600	17000	
5100	7650	10200	13600	17000		
6800	10200	13600	17000			
8500	12750	17000				
10200	15300					
11900						
13600						
15300						

<b>BUILDER</b>	Precision Custom Homes and Renovations	<b>COUNTY</b>	Cameron / Harnett
<b>JOB NAME</b>	Lot 56 Liberty Meadow	<b>ADDRESS</b>	Lot 56 Liberty Meadow
<b>PLAN</b>	Liberty 2.0 w/ CP	<b>MODEL</b>	Roof
<b>SEAL DATE</b>	N/A	<b>DATE REV.</b>	09/18/23
<b>QUOTE #</b>		<b>DRAWN BY</b>	David Landry
<b>JOB #</b>	J0523-2576	<b>SALESMAN</b>	Neil Baggett

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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: \_\_\_\_\_  
 David Landry

**comtech**  
**ROOF & FLOOR TRUSSES & BEAMS**  
 Reilly Road Industrial Park  
 Fayetteville, N.C. 28309  
 Phone: (910) 864-8787  
 Fax: (910) 864-4444

# Reaction Summary of Order



REQ. QUOTE DATE	/ /	ORDER #	J0523-2577
ORDER DATE	05/19/23	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000007216
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Shaun Garderner	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Shaun Garderner	SALES REP	Neil Baggett
JOBSITE PHONE #	(910) 988-8172	SALES AREA	David Landry

SCHEDULE	<b>Precision Custom Homes</b> 206 Shoreline Drive Raeford, NC 28376 (910) 988-8172	<b>JOB NAME:</b> Lot 56 Liberty Meadow <b>MODEL:</b> Floor <b>TAG:</b> Liberty 2.0 w/ CP <b>DELIVERY INSTRUCTIONS:</b> 52 miles round trip	<b>LOT #</b> 56 <b>SUBDIV:</b> Liberty Meadow <b>JOB CATEGORY:</b> B & S - Build and Ship
	<b>Precision Custom Homes and</b> Lot 56 Liberty Meadow Cameron, NC 28356	<b>SPECIAL INSTRUCTIONS:</b>  <p style="text-align: right;"><b>PLAN SEAL DATE:</b> BY      DATE</p>	

BUILDING DEPARTMENT Floor Order	OVERHANG INFO	HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING	QUOTE	DTL	09/18/23
	END CUT	RETURN				LAYOUT	DTL	09/18/23
	GABLE STUDS		24 IN. OC		JOBSITE 1		JOBSITE 1	CUTTING

<b>FLOOR TRUSSES</b>	LOADING INFORMATION	TCLL-TCDL-BCLL-BCDL	STRESS INCR.	<b>FLOOR TRUSS SPACING:</b> 24.0 IN. O.C. (TYP.)
		40.0,10.0,0.0,5.0	1.00	

FLOOR PROFILE	QTY PLY	DEPTH ID	BASE SPAN	O/A SPAN	END TYPE		INT BEARING		REACTIONS
					LEFT	RIGHT	SIZE	LOCATION	

	1	01-04-00 ET1	32-11-00	32-11-00					Joint 29 23.4 lbs.	Joint 30 127.1 lbs.	Joint 31 151.2 lbs.	Joint 32 145.5 lbs.	Joint 33 147.0 lbs.
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	1	01-04-00 ET2	18-04-00	18-04-00					Joint 17 32.7 lbs.	Joint 18 134.3 lbs.	Joint 19 150.0 lbs.	Joint 20 145.8 lbs.	Joint 21 146.9 lbs.
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	1	01-04-00 ET3	19-04-08	19-04-08					Joint 18 35.3 lbs.	Joint 19 136.7 lbs.	Joint 20 149.5 lbs.	Joint 21 145.9 lbs.	Joint 22 146.9 lbs.
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	7	01-04-00 F1	32-11-00	32-11-00					Joint 24 882.3 lbs. 204.1 lbs.	Joint 33 2190.2 lbs. 1224.3 lbs.	Joint 40 662.4 lbs. 22.2 lbs.		
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	3	01-04-00 F2	31-11-00	31-11-00					Joint 22 794.9 lbs. 131.6 lbs.	Joint 30 2078.8 lbs. 1319.8 lbs.	Joint 36 719.4 lbs. 127.0 lbs.		
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	9	01-04-00 F3	19-11-00	19-11-00					Joint 14 1075.4 lbs. 522.5 lbs.	Joint 24 1075.4 lbs. 522.5 lbs.			
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	10	01-04-00 F4	19-08-00	19-08-00					Joint 16 1067.9 lbs. 512.1 lbs.	Joint 25 1061.7 lbs. 567.4 lbs.			
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	1	01-04-00 F4A	19-08-00	19-08-00					Joint 16 275.1 lbs. 3.8 lbs.	Joint 20 1157.1 lbs. 526.1 lbs.	Joint 31 730.4 lbs. 198.6 lbs.		
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	1	01-04-00 F5	05-10-08	05-10-08					Joint 5 294.4 lbs. 198.6 lbs.	Joint 9 288.3 lbs. 193.7 lbs.			
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# Reaction Summary of Order



**ROOF & FLOOR TRUSSES & BEAMS**  
 Reilly Road Industrial Park P.O. Box 40408  
 Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0523-2577
ORDER DATE	05/19/23	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000007216
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Shaun Garderner	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Shaun Garderner	SALES REP	Neil Baggett
JOBSITE PHONE #	(910) 988-8172	SALES AREA	David Landry

PHOTO	<b>Precision Custom Homes</b> 206 Shoreline Drive Raeford, NC 28376 (910) 988-8172	<b>JOB NAME:</b> Lot 56 Liberty Meadow <b>MODEL:</b> Floor <b>TAG:</b> Liberty 2.0 w/ CP <b>DELIVERY INSTRUCTIONS:</b> 52 miles round trip	<b>LOT #</b> 56 <b>SUBDIV:</b> Liberty Meadow <b>JOB CATEGORY:</b> B & S - Build and Ship
	<b>Precision Custom Homes and</b> Lot 56 Liberty Meadow Cameron, NC 28356	<b>SPECIAL INSTRUCTIONS:</b>  <p style="text-align: right;"><b>PLAN SEAL DATE:</b> BY      DATE</p>	

<b>BUILDING DEPARTMENT</b>	<b>OVERHANG INFO</b>	<b>HEEL HEIGHT</b>	00-06-08	<b>REQ. LAYOUTS</b>	<b>REQ. ENGINEERING</b>	<b>QUOTE</b>	DTL	09/18/23
Floor Order	END CUT    RETURN						LAYOUT	DTL    09/18/23
	<b>GABLE STUDS</b>	24 IN. OC		JOBSITE    1	JOBSITE    1	<b>CUTTING</b>	DTL	09/18/23

<b>FLOOR TRUSSES</b>	<b>LOADING INFORMATION</b>	TCLL-TCDL-BCLL-BCDL	STRESS INCR.	<b>FLOOR TRUSS SPACING:</b> 24.0 IN. O.C. (TYP.)
		40.0,10.0,0.0,5.0	1.00	

FLOOR PROFILE	QTY PLY	DEPTH ID	BASE SPAN	O/A SPAN	END TYPE		INT BEARING		REACTIONS
					LEFT	RIGHT	SIZE	LOCATION	

	1	01-01-00 FG1	05-06-00	05-06-00					Joint 5 478.3 lbs. 414.3 lbs.	Joint 8 456.2 lbs. 377.0 lbs.
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## ITEMS

QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES
8	Hangers, USP	HUS 410			SIMPSON (HUS410)
2	LVL Beams (Sized)	LVL, 1-3/4" x 9-1/4" (S)	07-00-00		BM4
2	LVL Beams (Sized)	LVL, 1-3/4" x 11-7/8" (S)	09-00-00		BM5
2	LVL Beams (Sized)	LVL, 1-3/4" x 11-7/8" (S)	20-00-00		GDH
2	LVL Beams (Sized)	LVL, 1-3/4" x 16" (S)	17-00-00		BM1
2	LVL Beams (Sized)	LVL, 1-3/4" x 16" (S)	20-00-00		BM2

# Reaction Summary of Order



REQ. QUOTE DATE	/ /	ORDER #	J0523-2576
ORDER DATE	05/19/23	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000007216
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Shaun Garderner	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Shaun Garderner	SALES REP	Neil Baggett
JOBSITE PHONE #	(910) 988-8172	SALES AREA	David Landry

SOLD TO	<b>Precision Custom Homes</b> 206 Shoreline Drive Raeford, NC 28376 (910) 988-8172	<b>JOB NAME:</b> Lot 56 Liberty Meadow <b>MODEL:</b> Roof <b>TAG:</b> Liberty 2.0 w/ CP <b>DELIVERY INSTRUCTIONS:</b> 52 miles round trip	<b>LOT #</b> 56 <b>SUBDIV:</b> Liberty Meadow <b>JOB CATEGORY:</b> B & S - Build and Ship
	<b>Precision Custom Homes and</b> Lot 56 Liberty Meadow Cameron, NC 28356	<b>SPECIAL INSTRUCTIONS:</b>	

**PLAN SEAL DATE:**  
BY      DATE

BUILDING DEPARTMENT Roof Order	OVERHANG INFO	HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING	QUOTE	DTL	09/18/23
	END CUT	RETURN				LAYOUT	DTL	09/18/23
	GABLE STUDS		24 IN. OC		JOBSITE 1		JOBSITE 1	CUTTING

ROOF TRUSSES		LOADING INFORMATION		TCLL-TCDL-BCLL-BCDL		STRESS INCR.		ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)								
PROFILE	QTY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG		REACTIONS						
		TOP	BOT			TOP	BOT	LEFT	RIGHT							
	6	7.00	0.00	COMMON A1	33-00-00 33-00-00	2 X 6	2 X 6	01-02-08	01-02-08	Joint 2 1525.2 lbs. -90.9 lbs.	Joint 8 1525.2 lbs. -90.9 lbs.					
	1	7.00	0.00	GABLE A1GE	33-00-00 33-00-00	2 X 6	2 X 6	01-02-08	01-02-08	Joint 2 198.3 lbs. -61.9 lbs.	Joint 20 172.7 lbs. -4.6 lbs.	Joint 22 209.1 lbs. -93.2 lbs.	Joint 23 164.5 lbs. -75.0 lbs.	Joint 24 175.8 lbs. -77.8 lbs.		
	4	7.00	0.00	COMMON A2	33-00-00 33-00-00	2 X 6	2 X 6	01-02-08	01-02-08	Joint 2 1525.2 lbs. -90.9 lbs.	Joint 8 1525.2 lbs. -90.9 lbs.					
	9	7.00	0.00	COMMON A3	33-00-00 33-00-00	2 X 6	2 X 6	01-02-08		Joint 2 1529.4 lbs. -91.0 lbs.	Joint 8 1461.3 lbs. -74.7 lbs.					
	1	7.00	0.00	GABLE A3GE	33-00-00 33-00-00	2 X 6	2 X 6	01-02-08		Joint 2 197.6 lbs. -59.9 lbs.	Joint 20 117.2 lbs. -2.3 lbs.	Joint 21 230.5 lbs. -107.2 lbs.	Joint 22 158.3 lbs. -71.1 lbs.	Joint 23 177.0 lbs. -78.5 lbs.		
	1	6.00	0.00	GABLE B1GE	12-00-00 12-00-00	2 X 4	2 X 6	01-02-08	01-02-08	Joint 2 550.0 lbs. -142.9 lbs.	Joint 8 550.0 lbs. -142.9 lbs.					
	4	6.00	0.00	COMMON B2	12-00-00 12-00-00	2 X 4	2 X 6	01-02-08	01-02-08	Joint 2 550.0 lbs. -108.9 lbs.	Joint 4 550.0 lbs. -108.9 lbs.					
	5	10.00	0.00	COMMON C1	20-00-00 20-00-00	2 X 6	2 X 6	01-02-08	01-02-08	Joint 2 1043.7 lbs. -48.5 lbs.	Joint 4 1043.7 lbs. -48.5 lbs.					
	1	2 Ply	10.00	COMMON C1-GR	20-00-00 20-00-00	2 X 6	2 X 8	01-02-08		Joint 2 6838.3 lbs. -436.9 lbs.	Joint 6 6844.2 lbs. -424.1 lbs.					
	1	10.00	0.00	GABLE C1GE	20-00-00 20-00-00	2 X 6	2 X 6	01-02-08	01-02-08	Joint 2 859.7 lbs. -169.5 lbs.	Joint 12 859.7 lbs. -169.5 lbs.					
	6	6.00	0.00	COMMON G1	46-00-00 46-00-00	2 X 6	2 X 8	01-02-08	01-02-08	Joint 2 1250.3 lbs. -65.6 lbs.	Joint 12 1365.2 lbs. -168.3 lbs.	Joint 18 1447.0 lbs. -119.5 lbs.				

# Reaction Summary of Order



REQ. QUOTE DATE	/ /	ORDER #	J0523-2576
ORDER DATE	05/19/23	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000007216
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Shaun Garderner	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Shaun Garderner	SALES REP	Neil Baggett
JOBSITE PHONE #	(910) 988-8172	SALES AREA	David Landry

SOLD TO	<b>Precision Custom Homes</b> 206 Shoreline Drive Raeford, NC 28376 (910) 988-8172	<b>JOB NAME:</b> Lot 56 Liberty Meadow <b>MODEL:</b> Roof <b>TAG:</b> Liberty 2.0 w/ CP <b>DELIVERY INSTRUCTIONS:</b> 52 miles round trip	<b>LOT #</b> 56 <b>SUBDIV:</b> Liberty Meadow <b>JOB CATEGORY:</b> B & S - Build and Ship
	<b>Precision Custom Homes and</b> Lot 56 Liberty Meadow Cameron, NC 28356	<b>SPECIAL INSTRUCTIONS:</b>	<b>PLAN SEAL DATE:</b>

<b>BUILDING DEPARTMENT</b>	<b>OVERHANG INFO</b>	<b>HEEL HEIGHT</b>	00-06-08	<b>REQ. LAYOUTS</b>	<b>REQ. ENGINEERING</b>	<b>QUOTE</b>	DTL	09/18/23
Roof Order	END CUT	RETURN					LAYOUT	DTL
			<b>GABLE STUDS</b>	24 IN. OC	JOBSITE	1	JOBSITE	1
							<b>CUTTING</b>	DTL
								09/18/23

<b>ROOF TRUSSES</b>	<b>LOADING INFORMATION</b>	TCLL-TCDL-BCLL-BCDL	STRESS INCR.	<b>ROOF TRUSS SPACING:</b> 24.0 IN. O.C. (TYP.)
		20.0,10.0,0.0,10.0	1.15	

PROFILE	QTY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG		REACTIONS				
		TOP	BOT			TOP	BOT	LEFT	RIGHT	Joint 2	Joint 26	Joint 28	Joint 29	Joint 30
	1	6.00	0.00	COMMON G1GE	46-00-00 46-00-00	2 X 4	2 X 6	01-02-08	01-02-08	196.2 lbs.	196.2 lbs.	219.1 lbs.	139.7 lbs.	165.1 lbs.
										-27.2 lbs.	-3.2 lbs.	-94.9 lbs.	-62.0 lbs.	-70.6 lbs.
	4	4.00	0.00	MONO TRUSS J1	06-00-00 06-00-00	2 X 4	2 X 6	01-02-08	-00-01-08	316.0 lbs.	215.2 lbs.			
										-132.3 lbs.	-90.3 lbs.			
	6	4.00	0.00	MONOPITCH J2	05-00-00 05-00-00	2 X 4	2 X 6	01-02-08	-00-01-08	277.3 lbs.	174.4 lbs.			
										-119.5 lbs.	-72.2 lbs.			
	1	4.00	0.00	MONOPITCH J2GE	05-00-00 05-00-00	2 X 4	2 X 6	01-02-08		189.3 lbs.	3.5 lbs.	52.4 lbs.	222.4 lbs.	
										-89.3 lbs.	-3.4 lbs.	-34.0 lbs.	-70.5 lbs.	
	9	4.00	0.00	MONOPITCH J3	03-04-08 03-04-08	2 X 4	2 X 6	01-02-08		223.8 lbs.	107.4 lbs.			
										-68.8 lbs.	-14.2 lbs.			
	2	4.00	0.00	MONOPITCH J3GE	03-06-00 03-06-00	2 X 4	2 X 4	01-02-08		164.5 lbs.	52.0 lbs.	125.2 lbs.		
										-91.1 lbs.	-26.0 lbs.	-37.7 lbs.		
	1	10.00	0.00	VALLEY V1	18-05-05 18-05-05	2 X 4	2 X 4			193.5 lbs.	182.2 lbs.	560.1 lbs.	410.9 lbs.	560.3 lbs.
										-7.5 lbs.	22.4 lbs.	-171.8 lbs.	55.3 lbs.	-171.9 lbs.
	1	10.00	0.00	VALLEY V2	15-07-11 15-07-11	2 X 4	2 X 4			150.3 lbs.	134.9 lbs.	428.5 lbs.	410.8 lbs.	428.9 lbs.
										-16.8 lbs.	10.7 lbs.	-142.4 lbs.	56.2 lbs.	-142.5 lbs.
	1	10.00	0.00	VALLEY V3	12-10-02 12-10-02	2 X 4	2 X 4			101.5 lbs.	84.7 lbs.	329.9 lbs.	242.2 lbs.	330.1 lbs.
										-31.1 lbs.	-8.6 lbs.	-123.9 lbs.	54.2 lbs.	-124.1 lbs.
	1	10.00	0.00	VALLEY V4	10-00-08 10-00-08	2 X 4	2 X 4			198.9 lbs.	198.9 lbs.	346.9 lbs.		
										-21.8 lbs.	-30.4 lbs.	10.9 lbs.		
	1	10.00	0.00	VALLEY V5	07-02-15 07-02-15	2 X 4	2 X 4			150.6 lbs.	150.7 lbs.	219.7 lbs.		
										-22.7 lbs.	-28.7 lbs.	22.5 lbs.		

# Reaction Summary of Order




**ROOF & FLOOR TRUSSES & BEAMS**  
 Reilly Road Industrial Park P.O. Box 40408  
 Fayetteville, N.C. 28309 (910) 864-TRUS

REQ. QUOTE DATE	/ /	ORDER #	J0523-2576
ORDER DATE	05/19/23	QUOTE #	
DELIVERY DATE	/ /	CUSTOMER ACCT #	0000007216
DATE OF INVOICE	/ /	CUSTOMER PO #	
ORDERED BY	Shaun Garderner	INVOICE #	
COUNTY	Harnett	TERMS	
SUPERINTENDANT	Shaun Garderner	SALES REP	Neil Baggett
JOBSITE PHONE #	(910) 988-8172	SALES AREA	David Landry

SOLD TO	<b>Precision Custom Homes</b> 206 Shoreline Drive Raeford, NC 28376 (910) 988-8172
	<b>Precision Custom Homes and</b> Lot 56 Liberty Meadow Cameron, NC 28356

<b>JOB NAME:</b> Lot 56 Liberty Meadow	<b>LOT #</b> 56	<b>SUBDIV:</b> Liberty Meadow
<b>MODEL:</b> Roof	<b>TAG:</b> Liberty 2.0 w/ CP	<b>JOB CATEGORY:</b> B & S - Build and Ship
<b>DELIVERY INSTRUCTIONS:</b> 52 miles round trip		
<b>SPECIAL INSTRUCTIONS:</b>		
<b>PLAN SEAL DATE:</b>		

BUILDING DEPARTMENT Roof Order	OVERHANG INFO	HEEL HEIGHT	00-06-08	REQ. LAYOUTS	REQ. ENGINEERING	QUOTE	DTL	09/18/23
	END CUT	RETURN				LAYOUT	DTL	09/18/23
	GABLE STUDS		24 IN. OC		JOBSITE 1	JOBSITE 1	CUTTING	DTL

<b>ROOF TRUSSES</b>	LOADING INFORMATION	TCLL-TCDL-BCLL-BCDL	STRESS INCR.	ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)										
		20.0,10.0,0.0,10.0	1.15											
PROFILE	QTY	PITCH		TYPE ID	BASE O/A	LUMBER		OVERHANG	REACTIONS					
	PLY	TOP	BOT			TOP	BOT	LEFT	RIGHT	Joint 1	Joint 2	Joint 3	Joint 4	Joint 10
	1	10.00	0.00	VALLEY V6	04-05-05 04-05-05	2 X 4	2 X 4			85.8 lbs.	862.3 lbs.	85.8 lbs.	125.2 lbs.	1748.0 lbs.
										-12.9 lbs.		-16.3 lbs.	12.8 lbs.	1388.1 lbs.

ITEMS									
QTY	ITEM TYPE	SIZE	LENGTH FT-IN-16	PART NUMBER	NOTES				
9	Hangers, USP	HUS 26			SIMPSON (HUS26)				

# North Carolina 2018 - R402.1.5 Total UA

**Property**

Cameron, NC 28326  
Model: Liberty  
Community: Liberty Meadows

**Organization**

Southern Energy Manager  
Justin Smith

**Inspection Status**

Results are projected

Template - SMG Precision - Liberty  
Meadows lot 14 - CZ 3 slab -  
Liberty Meadows lot 14

**Builder**

SMG Precision Properties

**This report is based on a proposed design and does not confirm field enforcement of design elements.**

## Building UA

Elements	NC Reference	As Designed
Ceilings	56.8	53.9
Above-Grade Walls	203.3	151.0
Windows, Doors and Skylights	115.3	103.5
Slab Floor:	86.5	112.9
Framed Floors	17.4	19.0
Foundation Walls	0.0	0.0
Rim Joists	8.4	6.8
<b>Overall UA (Design must be equal or lower):</b>	<b>487.7</b>	<b>447.1</b>

## Requirements

✓	402.1.5	Total UA alternative compliance passes by 8.3%.
✓	402.3.2	Average SHGC: 0.28 Max SHGC: 0.30
✓	R402.4.2.2	Air Leakage Testing Air sealing is 4.80 ACH at 50 Pa. It must not exceed 5.00 ACH at 50 Pa.
✓	R402.5	Area-weighted average fenestration SHGC
✓	R402.5	Area-weighted average fenestration U-Factor
✓	R404.1	Lighting Equipment Efficiency
✓	Mandatory Checklist	Mandatory code requirements that are not checked by Ekotrope must be met.
✓	R403.3.1	Duct Insulation
✓	403.3.3	Duct Testing

**Design exceeds requirements for North Carolina 2018 Prescriptive compliance by 8.3%.**

Name: Justin Smith  
Organization: Southern Energy Management

Signature: Justin Smith  
Digitally signed: 8/9/22 at 11:20 AM

### Ekotrope RATER - Version 4.0.1.2966

North Carolina 2018 Prescriptive compliance results calculated using Ekotrope RATER's energy and code compliance algorithm, including appropriate amendments.  
Ekotrope RATER is a RESNET Accredited HERS Rating Tool. All results are based on data entered by Ekotrope users.  
Ekotrope disclaims all liability for the information shown on this report.

# Building Summary



**Property**  
 Cameron, NC 28326  
 Model: Liberty  
 Community: Liberty Meadows

**Organization**  
 Southern Energy Management  
 Justin Smith

**Inspection Status**  
 Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
 - CZ 3 slab - ecoSelect  
 Liberty Meadows lot 14

**Builder**  
 SMG Precision Properties

## General Building Information

Number Of Bedrooms	3
Number Of Floors	2
Conditioned Floor Area [sq. ft.]	3,014
Has Electric Vehicle Ready Space	No
Unconditioned, attached garage?	Yes
Conditioned Volume [cu. ft.]	27,126
Total Units in Building	1
Residence Type	Single family detached
Number of Floors in Building	-
Floor Number	-
Model	Liberty
Community	Liberty Meadows
RESNET/IECC 2006 Climate Zone	4A
IECC 2021 Climate Zone	3A

## Foundation Wall

None Present

## Foundation Wall Library List

None Present

## Slab

Name	Library Type	Perimeter	Floor Grade	Carpet R	Exposed Masonry Area	Surface Area	Location	Enclosing
slab	Uninsulated	178	On Grade	1	0	1,522.0 ft²	Exposed Exterior	Conditioned Space

## Slab Library List

Name	Wall Construction Type	Slab Completely Insulated?	Underslab Insulation Width [ft]	Perimeter Insulation Depth [ft]	Perimeter Insulation R Value	Thermal Break	Effective R-value
Uninsulated	Wood Frame / Other	No	0	0	0	No	0.00

# Building Summary



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Southern Energy Management  
Justin Smith

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Results are projected

**SOUTHERN ENERGY MANAGEMENT**  
ENERGY EFFICIENCY & SOLAR POWER

Template - SMG Precision - Liberty Meadows lot 14  
- CZ 3 slab - ecoSelect  
Liberty Meadows lot 14

**Builder**  
SMG Precision Properties

## Framed Floor

Name	Library Type	Carpet R	Floor Grade	Surface Area	Location
over garage	R 19, 16"OC G1 Carpet	0	Above Grade	371.0 ft <sup>2</sup>	Unconditioned, attached garage

## Framed Floor Library List

Name	Effective R-value
R 19, 16"OC G1 Carpet	19.566

## Rim Joist

Name	Library Type	Surface Area	Location
1st floor ambient	R 19 G1, 16"OC	127.0 ft <sup>2</sup>	Exposed Exterior
1st floor garage	R 19 G1, 16"OC	25.0 ft <sup>2</sup>	Unconditioned, attached garage

## Rim Joist Library List

Name	Effective Insulation R-value
R 19 G1, 16"OC	17.30

## Wall

Name	Library Type	Surface Color	Surface Area	Location
1st floor ambient	R 19 Adv. Framing G1 16" O.C	Medium	1,242.0 ft <sup>2</sup>	Exposed Exterior
1st floor garage	R 19 Adv. Framing G1 16" O.C	Medium	360.0 ft <sup>2</sup>	Unconditioned, attached garage
2nd floor ambient	R 19 Adv. Framing G1 16" O.C	Medium	1,016.0 ft <sup>2</sup>	Exposed Exterior
2nd floor attic	R 19 Adv. Framing G1 16" O.C	Medium	352.0 ft <sup>2</sup>	Attic

# Building Summary



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Template - SMG Precision - Liberty Meadows lot 14  
 - CZ 3 slab - ecoSelect  
 Liberty Meadows lot 14

**Builder**  
 SMG Precision Properties

## Wall Library List

Name	Effective R-value
R 19 Adv. Framing G1 16" O.C	17.492

## Glazing

Name	Library Type	Wall Assignment	Foundation Wall Assignment	Is Operable	Overhang Depth	Overhang Ft To Top	Overhang Ft To Bottom	Orientation	Surface Area
front 2nd unshaded	33/28	2nd floor ambient		Yes	0	0	0	West	66.8 ft <sup>2</sup>
front shaded	33/28	1st floor ambient		Yes	5	2	7	West	26.7 ft <sup>2</sup>
left 2nd unshaded	33/28	2nd floor ambient		Yes	0	0	0	North	15.7 ft <sup>2</sup>
rear 2nd unshaded	33/28	2nd floor ambient		Yes	0	0	0	East	61.6 ft <sup>2</sup>
rear shaded	33/28	1st floor ambient		Yes	10	2	9	East	40.0 ft <sup>2</sup>
rear unshaded	33/28	1st floor ambient		Yes	0	0	0	East	69.4 ft <sup>2</sup>
right unshaded	33/28	1st floor ambient		Yes	0	0	0	South	9.3 ft <sup>2</sup>

## Glazing Library List

Name	Shgc	U-factor
33/28	0.28	0.330

## Skylight

None Present

## Skylight Library List

None Present



# Building Summary



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**Inspection Status**  
Results are projected

**SOUTHERN ENERGY MANAGEMENT**  
ENERGY EFFICIENCY & SOLAR POWER

Template - SMG Precision - Liberty Meadows lot 14  
- CZ 3 slab - ecoSelect  
Liberty Meadows lot 14

**Builder**  
SMG Precision Properties

## Opaque Door

Name	Library Type	Wall Assignment	Foundation Wall Assignment	Emittance	Solar Absorptance	Surface Color	Surface Area	Location
front entry	Fiberglass R-5	1st floor ambient		0.9	0.75	Medium	20.0 ft²	Exposed Exterior
garage entry	Fiberglass R-5	1st floor garage		0.9	0.75	Medium	20.0 ft²	Unconditioned, attached garage

## Opaque Door Library List

Name	Effective U-factor
Fiberglass R-5	0.200

## Roof Insulation

Name	Library Type	Attic Exterior Area [ft²]	Clay or Concrete Roof Tiles	Surface Color	Surface Area	Location
attic	R 38 Attic BLOWN FG G1 2x10 24"OC NO Radiant Barrier	2,782.71	No	Dark	1,893.0 ft²	Attic

## Roof Insulation Library List

Name	Has Radiant Barrier	Effective R-value
R 38 Attic BLOWN FG G1 2x10 24"OC NO Radiant Barrier	No	35.115

## Whole House Infiltration

Infiltration	Measurement Type	Shelter Class
2170 CFM at 50 Pa	Blower-door tested	4

## Mechanical Ventilation

None Present

# Building Summary



**Property**  
Cameron, NC 28326  
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Community: Liberty Meadows

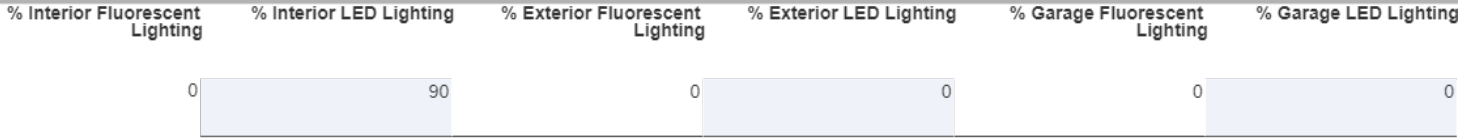
**Organization**  
Southern Energy Management  
Justin Smith

**Inspection Status**  
Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
- CZ 3 slab - ecoSelect  
Liberty Meadows lot 14

**Builder**  
SMG Precision Properties

## Lighting



## Onsite Generation

None Present

## Onsite Generation Library List

None Present

## Solar Generation

None Present

## Dehumidifier

None Present

## Dehumidifier Library List

None Present

## Whole House Fan

None Present

# Building Summary



**Property**  
 Cameron, NC 28326  
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 Community: Liberty Meadows

**Organization**  
 Southern Energy Management  
 Justin Smith

**Inspection Status**  
 Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
 - CZ 3 slab - ecoSelect  
 Liberty Meadows lot 14

**Builder**  
 SMG Precision Properties

## Whole House Fan Library List

None Present

## Conditioning Equipment

Name	Library Type	Serial Number	Heating Percent Load	Cooling Percent Load	Hot Water Percent Load	Location
1st floor heat pump	z 24k 14 SEER 8.2hspf		50%	50%	0%	Attic
2nd floor heat pump	z 24k 14 SEER 8.2hspf		50%	50%	0%	Attic
Water Heating	z 50 gal. 0.95 EF Elec		0%	0%	100%	Unconditioned Garage

### Equipment Type: z 24k 14 SEER 8.2hspf

Equipment Type	Air Source Heat Pump
Fuel Type	Electric
Distribution Type	Forced Air
Motor Type	PSC (Single Speed)
Heating Efficiency	8.2 HSPF
Heating Capacity [kBtu/h]	24
Backup Fuel Type	Electric
Switchover Temperature [°F]	0
Backup Heating Efficiency	1 COP
Use default Supplemental Heat	Yes
Cooling Efficiency	14 SEER
Cooling Capacity [kBtu/h]	24

### Equipment Type: z 50 gal. 0.95 EF Elec

Equipment Type	Residential Water Heater
Fuel Type	Electric
Distribution Type	Hydronic Delivery (Radiant)
Hot Water Efficiency	0.95 Energy Factor
Tank Capacity (gal.)	50
Hot Water Capacity [kBtu/h]	40
Recovery Efficiency	0.98

# Building Summary

**Property**

Cameron, NC 28326  
 Model: Liberty  
 Community: Liberty Meadows

**Organization**

Southern Energy Management  
 Justin Smith

**Inspection Status**

Results are projected



**SOUTHERN ENERGY**  
**MANAGEMENT**  
 ENERGY EFFICIENCY & SOLAR POWER

Template - SMG Precision - Liberty Meadows lot 14  
 - CZ 3 slab - ecoSelect  
 Liberty Meadows lot 14

**Builder**

SMG Precision Properties

## Distribution System

Distribution Type	Forced Air
Heating Equipment	1st floor heat pump
Cooling Equipment	1st floor heat pump
Sq. Feet Served	1,522
# Return Grilles	2
Supply Duct R Value	8
Return Duct R Value	8
Supply Duct Area [ft²]	410.94
Return Duct Area [ft²]	152.2
Leakage to Outdoors	60 CFM @ 25Pa (3.94 / 100 ft²)
Total Leakage	60 CFM25
Total Leakage Duct Test Conditions	Post-Construction
Use Default Flow Rate	Yes
Duct 1	
Duct Location	Attic (well vented)
Percent Supply Area	70
Percent Return Area	70
Duct 2	
Duct Location	Conditioned Space
Percent Supply Area	30
Percent Return Area	30
Duct 3	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 4	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 5	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 6	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0

# Building Summary



**Property**  
 Cameron, NC 28326  
 Model: Liberty  
 Community: Liberty Meadows

**Organization**  
 Southern Energy Management  
 Justin Smith

**Inspection Status**  
 Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
 - CZ 3 slab - ecoSelect  
 Liberty Meadows lot 14

**Builder**  
 SMG Precision Properties

## Distribution System

Distribution Type	Forced Air
Heating Equipment	2nd floor heat pump
Cooling Equipment	2nd floor heat pump
Sq. Feet Served	1,492
# Return Grilles	2
Supply Duct R Value	8
Return Duct R Value	8
Supply Duct Area [ft <sup>2</sup> ]	402.84
Return Duct Area [ft <sup>2</sup> ]	149.2
Leakage to Outdoors	59 CFM @ 25Pa (3.95 / 100 ft <sup>2</sup> )
Total Leakage	59 CFM25
Total Leakage Duct Test Conditions	Post-Construction
Use Default Flow Rate	Yes
Duct 1	
Duct Location	Attic (well vented)
Percent Supply Area	100
Percent Return Area	100
Duct 2	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 3	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 4	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 5	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0
Duct 6	
Duct Location	Conditioned Space
Percent Supply Area	0
Percent Return Area	0

## HVAC Grading

HVAC Grading Not Conducted

## Ceiling Fan

Has Ceiling Fan	No
Cfm Per Watt	100

# Building Summary



**Property**  
Cameron, NC 28326  
Model: Liberty  
Community: Liberty Meadows

**Organization**  
Southern Energy Management  
Justin Smith

**Inspection Status**  
Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
- CZ 3 slab - ecoSelect  
Liberty Meadows lot 14

**Builder**  
SMG Precision Properties

## Water Distribution

Water Fixture Type	Low-flow
Use Default Hot Water Pipe Length	No
Hot Water Pipe Length [ft]	89
At Least R3 Pipe Insulation?	No
Hot Water Recirculation System?	No
Recirculation System Pipe Loop Length [ft]	20
Drain Water Heat Recovery?	No

## Clothes Dryer

Cef	3.01
Fuel Type	Electric
Field Utilization	Timer Controls
Is Outside Conditioned Space	No
Clothes Dryer Available	Yes
Defaults Type	HERS Reference

## Clothes Washer

Label Energy Rating	153 kWh/Year
Annual Gas Cost	\$12.00
Electric Rate	\$0.11/kWh
Gas Rate	\$1.22/Therm
Capacity	3.31
Imef	2.1547
Defaults Type	Custom
Load Type	Front-load
Loads Per Week	6
Is Outside Conditioned Space	No
Clothes Washer Available	Yes

## Dishwasher

Dishwasher Efficiency	270 kWh
Dishwasher Size	Standard
Annual Gas Cost	\$22.23
Electric Rate	\$0.12/kWh
Gas Rate	\$1.09/Therm
Is Outside Conditioned Space	No

# Building Summary

**Property**

Cameron, NC 28326  
Model: Liberty  
Community: Liberty Meadows

**Organization**

Southern Energy Management  
Justin Smith

**Inspection Status**

Results are projected

Template - SMG Precision - Liberty Meadows lot 14  
- CZ 3 slab - ecoSelect  
Liberty Meadows lot 14

**Builder**

SMG Precision Properties

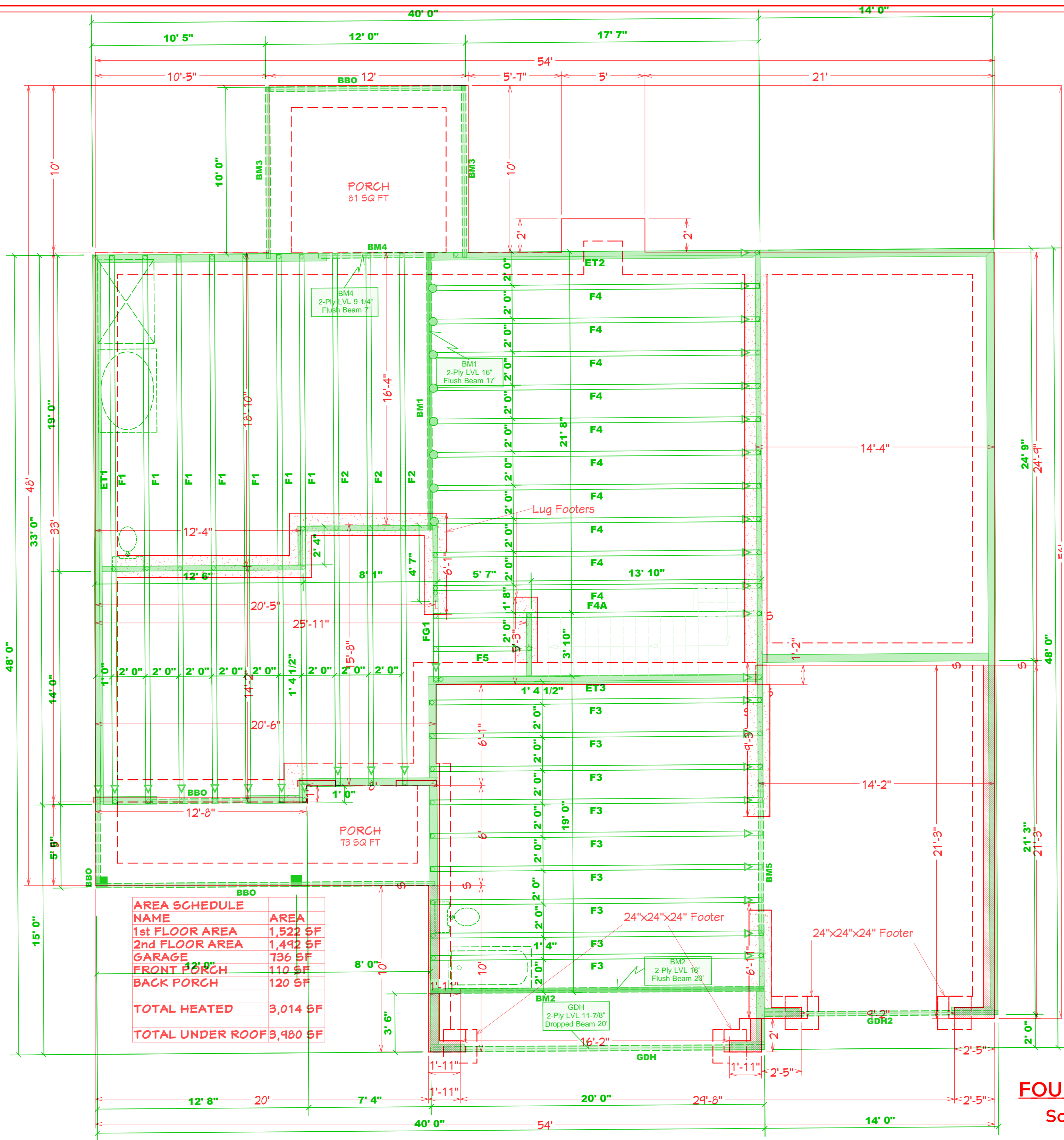
## Appliances and Controls

Thermostat Cooling Setpoint	*** 75.0
Thermostat Heating Setpoint	*** 70.0
Range/Oven Fuel	Electric
Convection Oven?	No
Induction Range?	No
Range/Oven Outside Conditioned Space?	No
Refrigerator Consumption	538 kWh/Year
Refrigerator Outside Conditioned Space?	No

## Notes

Initial Inputs \_\_\_\_\_ MS 07/01/22 \_\_\_\_\_

- confirm HVAC specs
- confirm water heater specs
- confirm ventilation entry, modeled as air cycler
- modeled to worst case orientation
- confirm cfl lighting %



**FOUNDATION PLAN**  
Scale: 1/4" = 1'0"

PLAN:  
Liberty 2.0

SHEET TITLE:  
**FOUNDATION**

PROJECT ADDRESS:  
TBD Rush Lane  
Liberty Meadows Lot 56

DESIGNED BY:  
Precision Custom Homes  
Raeferd, NC  
Shaun@PrecisionCustomHomesNC.com

DATE:  
9/19/23

SCALE:  
1/4" = 1'

SHEET:  
**A-2**

Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type

Truss Placement Plan

Connector Information					Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header	Truss