

#### **FRONT ELEVATION**

Scale: 1/4" = 1'0"

9'0" CEILING HEIGHT FIRST FLOOR (HEADER HEIGHT 7'6") 8'0" CEILING HEIGHT SECOND FLOOR (Frame Headers to Top Plates)

FRAME WINDOWS TO HEADER HEIGHT



**LEFT ELEVATION** 

Scale: 1/8" = 1'0"



**REAR ELEVATION** 

Scale: 1/8" = 1'0"



**RIGHT ELEVATION** 

Scale: 1/8" = 1'0"

PLAN: Taggart

aggart

ELEVATIONS

SHEET TITLE:

PROJECT ADDRESS: 68 Sam Adams Dr. Liberty Meadows Lot 69

DESIGNED BY:
Precision Custom Homes
Raeford, NC
n@PrecisionCustomHomesNC.com

DATE:

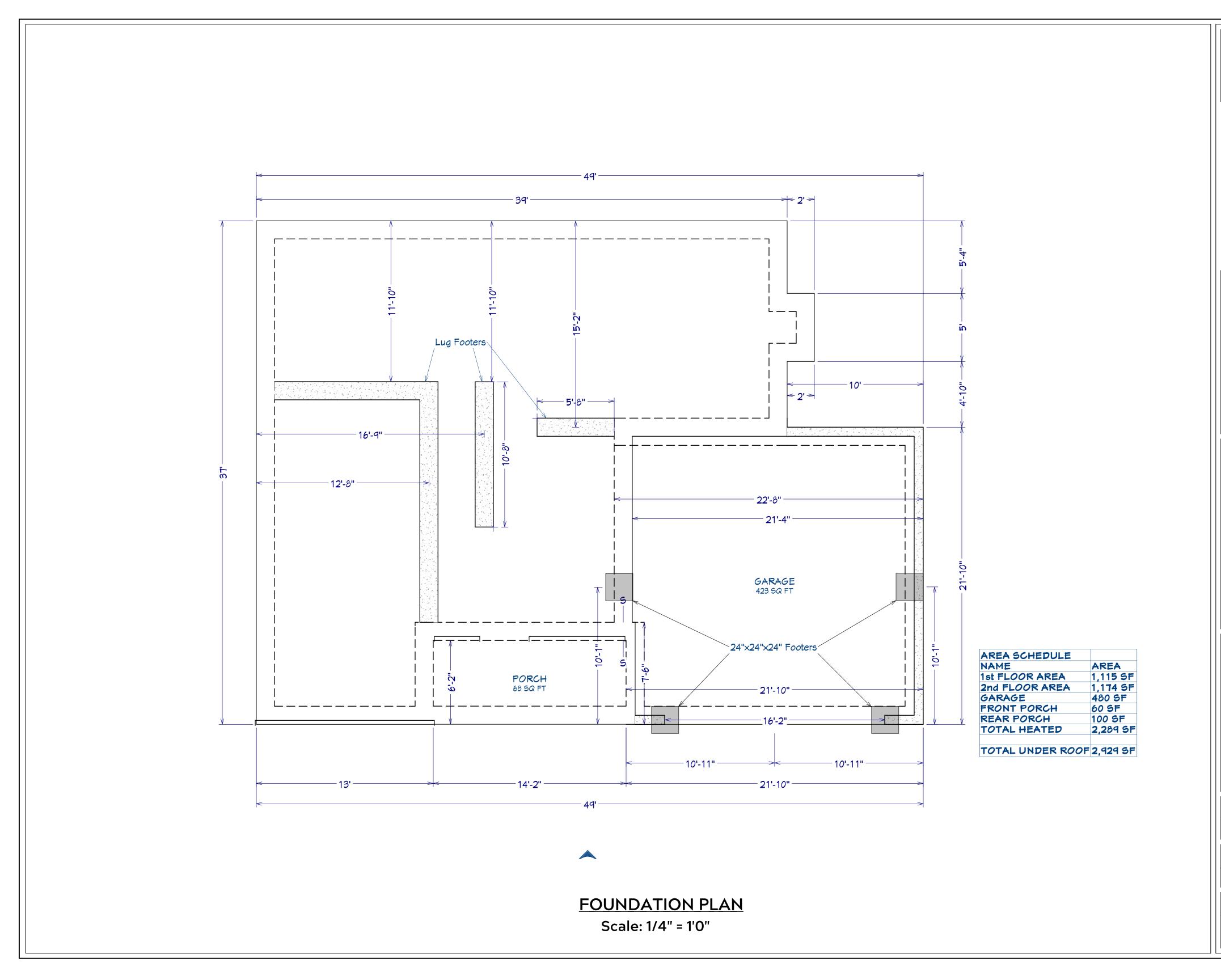
2/19/24

\_\_\_\_

SCALE:

1/4" = 1'

SHEET:



PLAN: Taggart

FOUNDATION

SHEET TITLE:

PROJECT ADDRESS: 68 Sam Adams Dr. Liberty Meadows Lot 69

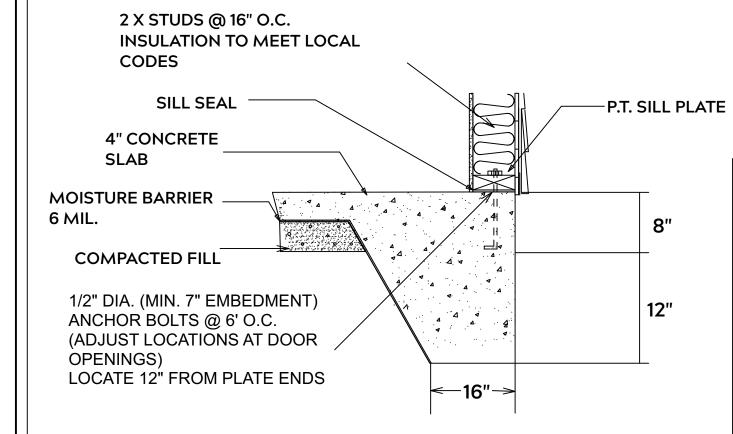
DesigneD BT:
Precision Custom Homes
Raeford, NC
n@PrecisionCustomHomesNC.com

DATE:

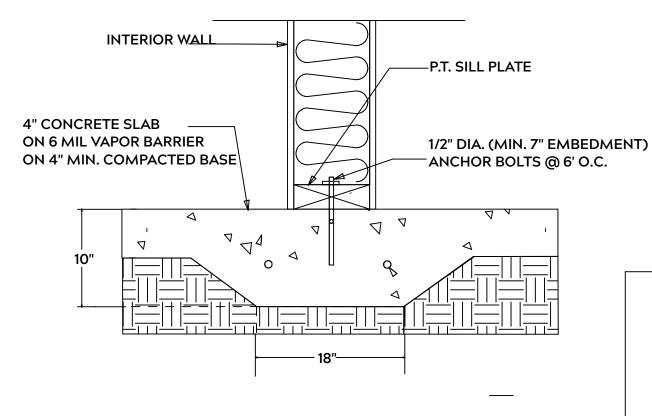
2/19/24

SCALE: 1/4" = 1'

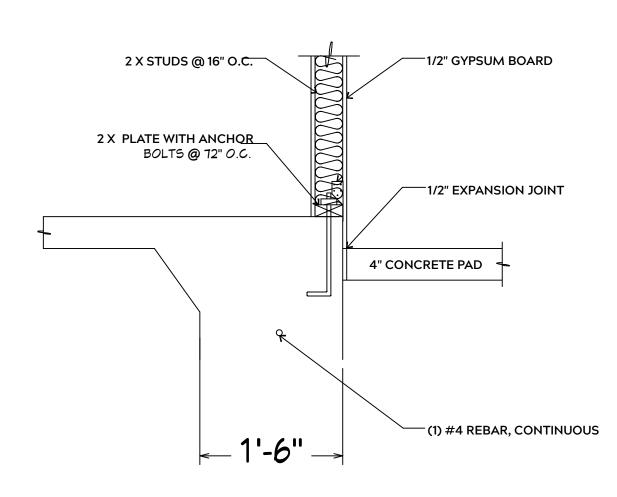
SHEET:



### **MONOLITHIC SLAB**



### **LUG FOOTING**



#### **FOUNDATION NOTES:**

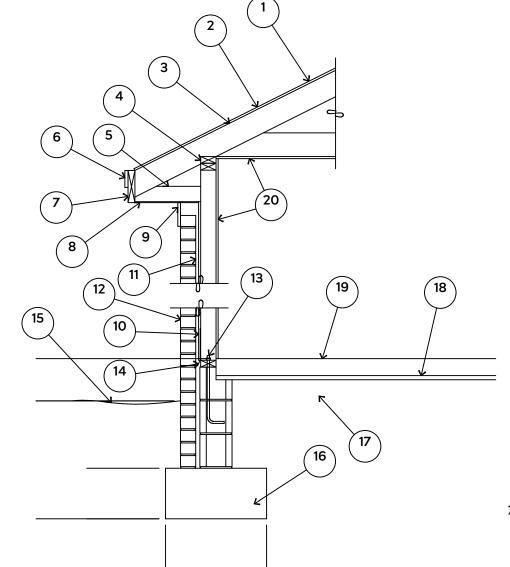
ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL THE 28 DAY COMPRESSIVE STRENGTH OF ALL **FOOTINGS IS 3000 PSI** 

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



15# FELT UNDERLAYMENT UNDER COMPOSITION SHINGLES.

ROOF DECKING.

3. 2 X RAFTERS / ENGINEERED TRUSSES

DOUBLE TOP PLATE. 5. 2 X 4 RETURN.

6. 3/4" FASCIA OR PVC TRIM COIL

7. 2 X FASCIA

1/4" PLYWOOD OR VINYL SOFFIT

9. 1X 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.

4. FLASHING WITH WEEP HOLES @ 48" O.C.

15. FINISHED GRADE. 16. FOOTING

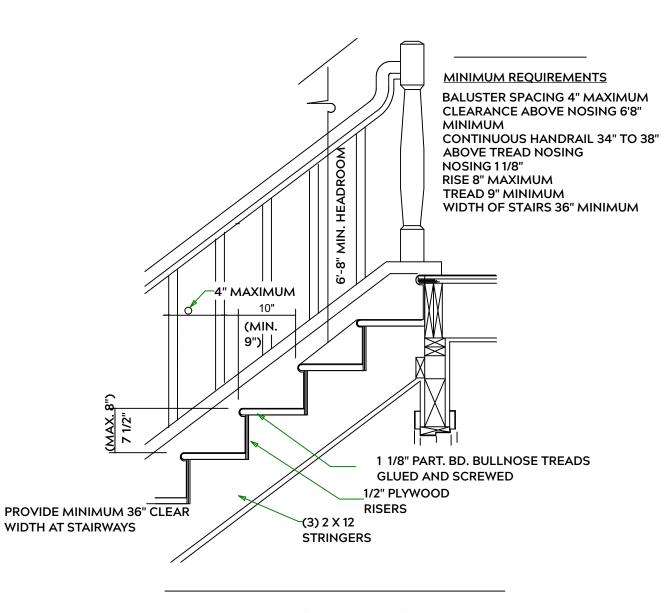
17. COMPACTED EARTH FILL 18. 6 MIL. VAPOR BARRIER

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**



**STAIR DETAIL** 

**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)

INTERIOR WALL @ GARAGE STEP DOWN

PLAN: Taggart

> SHEETS AIL

ET 69

ADDRESS: Liberty Meadows Lot Adams Dr. **PROJECT** Sam 89

Precision Custom Hor Raeford, NC @PrecisionCustomHor

DATE:

2/19/24

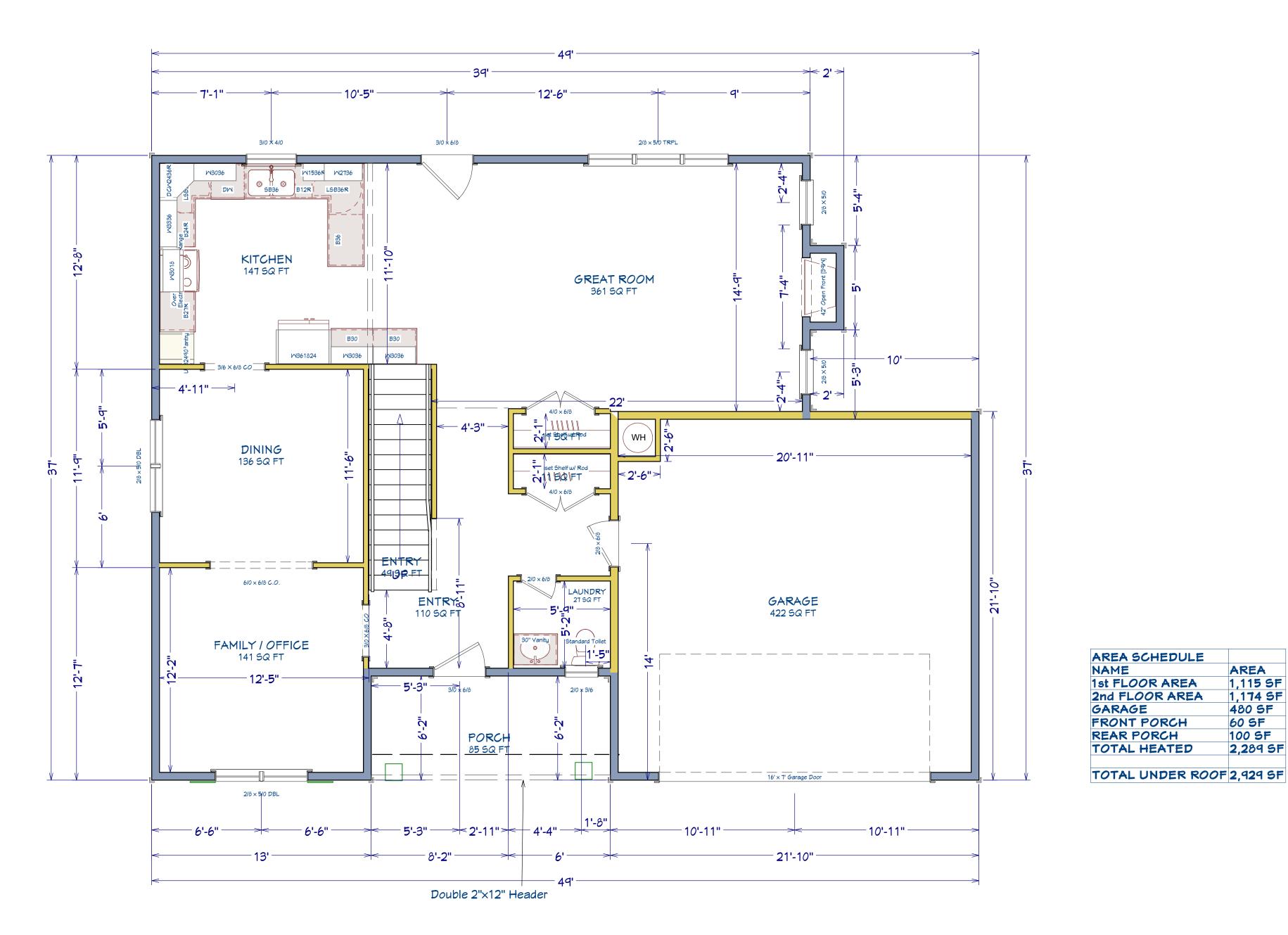
SCALE: 1/4" = 1'

SHEET:



1st FLOOR

PROJECT ADDRESS: 68 Sam Adams Dr. Liberty Meadows Lot 69



AREA SCHEDULE	
NAME	AREA
1st FLOOR AREA	1,115 SF
2nd FLOOR AREA	1,174 SF
GARAGE	480 SF
FRONT PORCH	60 SF
REAR PORCH	100 SF
TOTAL HEATED	2,289 SF



DATE:

Precision Custom Horn Raeford, NC In@PrecisionCustomHom

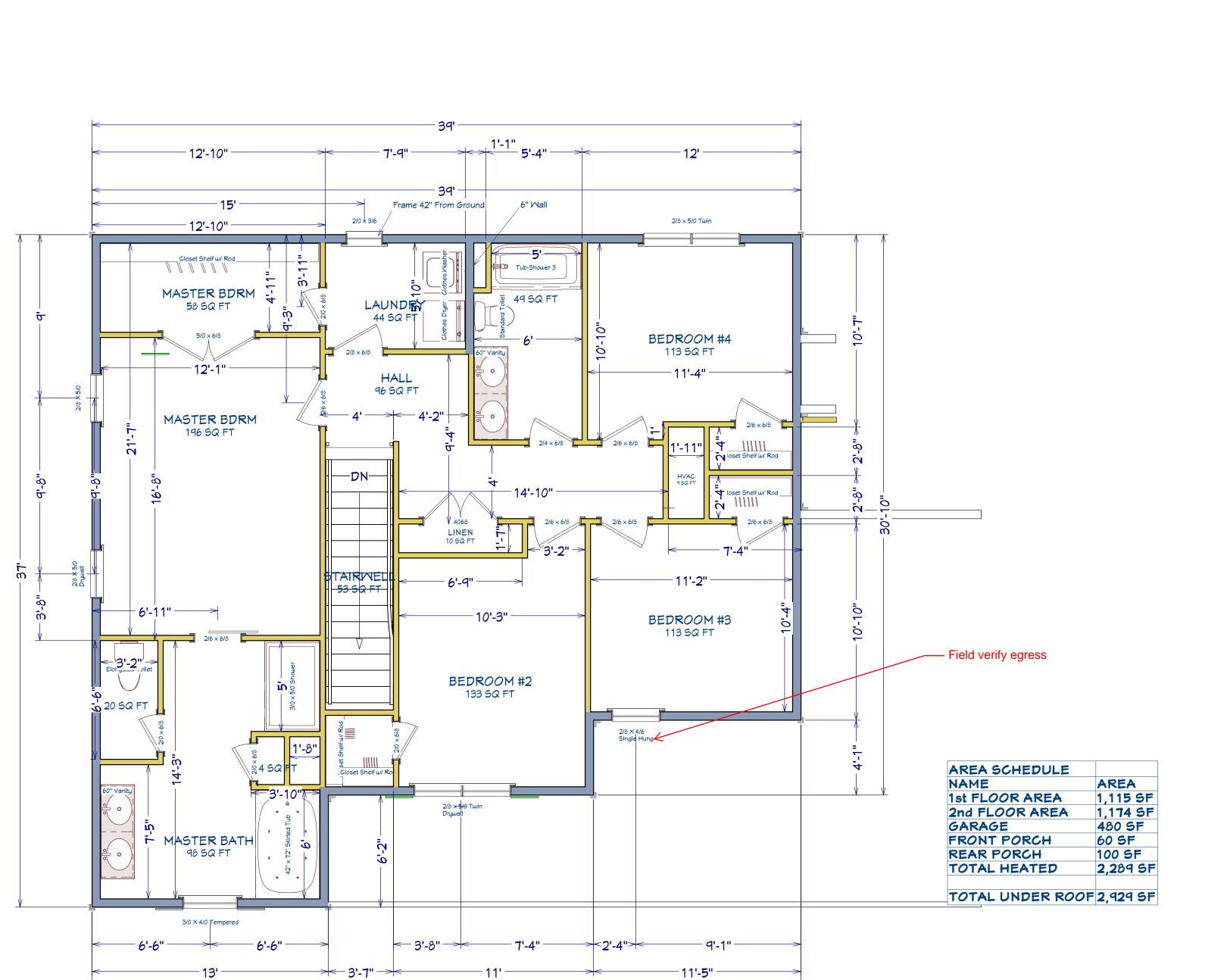
DESIGNED BY:

2/19/24

SCALE:

1/4" = 1'

SHEET:





PLAN: Taggart

2nd FLOOR

SHEET TITLE:

PROJECT ADDRESS: 68 Sam Adams Dr. Liberty Meadows Lot 69

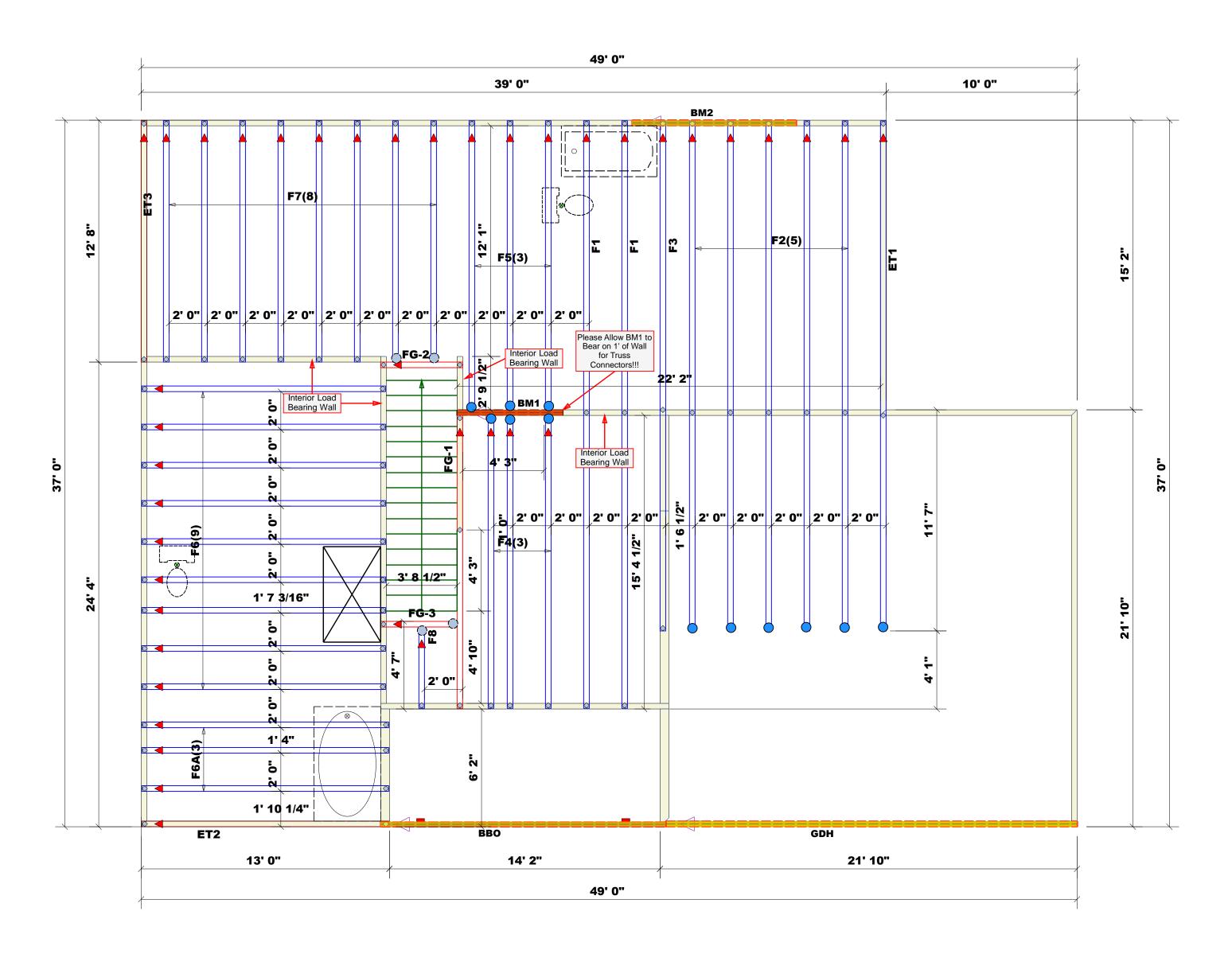
Precision Custom Homes
Raeford, NC
n@PrecisionCustomHomesNC.cc

DATE:

2/19/24

SCALE: 1/4" = 1'

SHEET:





Dimension Notes

1. All exterior wall to wall dimensions are to face of stud 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

Roof Area = 2285.9 sq.ft.
Ridge Line = 76.13 ft.
Hip Line = 0 ft.
Horiz. OH = 160.38 ft.
Raked OH = 172.31 ft.
Decking = 79 sheets

All Walls Shown Are Considered Load Bearing

▲ = Indicates Left End of Truss (Reference Engineered Truss Drawing) Do Not Erect Trusses Backwards

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

	Conne	ctor Info	rmat	ion	Nail Info	rmation
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	HUS26	USP	13	Varies	16d/3-1/2"	16d/3-1/2"
	JUS24	USP	5	Varies	10d/3"	10d/3"
	THD26-2	USP	1	Varies	16d/3-1/2"	10d/3"
	HUS410	USP	12	Varies	16d/3-1/2"	16d/3-1/2"
	MSH422	USP	4	Varies	10d/3"	10d/3"

Hatch Legend
Padded HVAC
2nd Floor Walls @ 8' 1 1/2" UNO
Flush Beam
Drop Beam

		Products			
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM2	9' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2	FF
GDH	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
BM1	6' 0"	1-3/4"x 14" LVL Kerto-S	2	2	FF

# 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\_

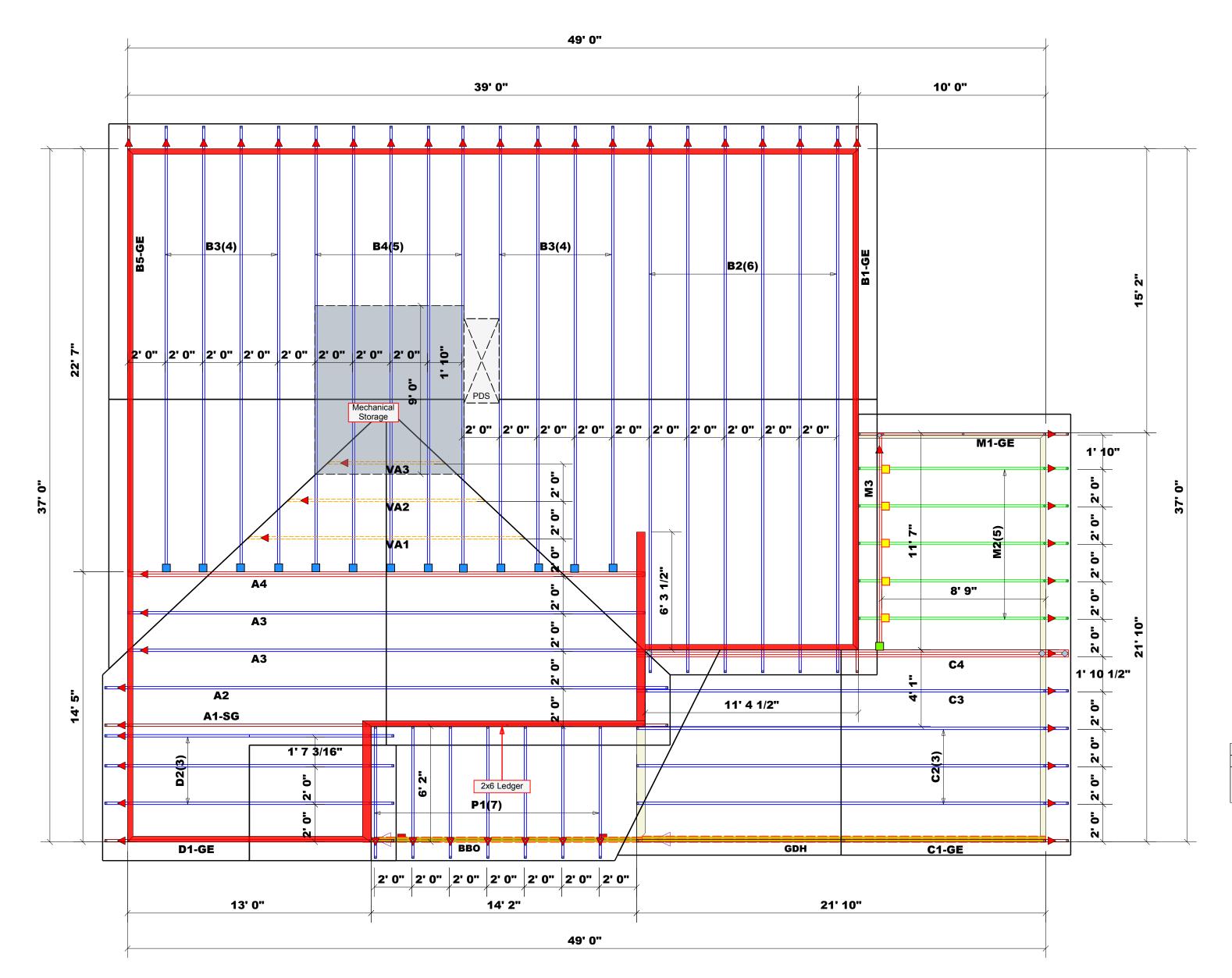
Neil Baggett

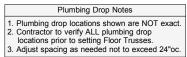
LOAD CHART FOR JACK STUDS
(BASED ON TABLES R502.5(1) & (b))

	(B	ASED O	N TABLES	5 R502.	.5(1) å (t	)))	
NU	MBER C		STUDS R			A END OF	-
END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY HEADER		END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER		END REACTION (UP TO)	REQ'D STUDS FOR
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						

BUILDER	Precision Custom Homes & Renovations	00
JOB NAME	JOB NAME Lot 69 Liberty Meadows	ADI
PLAN	Taggart	WO
<b>SEAL DATE</b> 2/19/2024	2/19/2024	DA
# alond	N/A	DR/
# 801	J0124-0345	SAL

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 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





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Scale: 1/4"=1'

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Padded HVAC
2nd Floor Walls @ 8' 1 1/2" UNO
Flush Beam
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PlotID	Length	Product	Plies	Net Qty	Fab Type
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GDH	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF
BM1	6' 0"	1-3/4"x 14" LVL Kerto-S	2	2	FF

# COMTECH **ROOF & FLOOR TRUSSES & BEAMS**

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

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Neil Baggett

LOAD CHART FOR JACK STUDS (RASED ON TARLES P502 5(1) & (b))

	(B	ASED O	N TABLES	5 R502.	.5(1) & (l	((د	
NUM	MBER C		STUDS R			A END OF	•
END REACTION (UP TO)	REQ'D STUDS FOR (2) PLY HEADER		END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER		END REACTION (UP TO)	REQ'D STUDS FOR
1700	1		2550	1		3400	:
3400	2		5100	2		6800	3
5100	3		7650	3		10200	3
6800	4		10200	4		13600	4
3500	5		12750	5		17000	Ę
0200	6		15300	6			
1900	7						
3600	8						
5300	9						

Lot 69 Liberty Meadows	) <del>f</del>	2/23/2024	Neil Baggett	Neil Baggett
Lot 69	Roof	2/23/2	Neil Ba	Neil Ba

Precision Custom Homes & Renovations	COUNTY	Harnett
Lot 69 Liberty Meadows	ADDRESS	Lot 69 Liberty
Taggart	WODEL	Roof
2/19/2024	DATE REV.	2/23/2024
N/A	DRAWN BY	Neil Baggett
J0124-0344	SALESMAN	SALESMAN Neil Baggett

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. 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 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

PLAN

SEAL DATE

QUOTE# JOB#

BUILDER

JOB NAME

#### North Carolina 2018 - R402.1.5 Total UA

**Property** 112 Sears Dr Cameron, NC 28326 Model: Taggart

Community: Liberty Meadows

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab -Liberty Meadows Lot 24

Organization Southern Energy Manager Justin Smith

SMG Precision Properties

Builder

Results are projected

Inspection Status



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	37.3	35.4
Above-Grade Walls	174.9	129.8
Windows, Doors and Skylights	109.4	98.0
Slab Floor:	72.6	94.4
Framed Floors	6.1	6.6
Foundation Walls	0.0	0.0
Rim Joists	8.4	6.8
Overall UA (Design must be equal or lower):	408.7	371.0

#### Requirements

	R402.1.5	Total UA alternative compliance passes by 9.2%.	The proposed home meets the UA requirement by 9.2%
$\bigcirc$	402.3.2	Average SHGC: 0.28 Max SHGC: 0.30	Average SHGC of 0.28 is greater than the maximum of 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	Area-weighted average fenestration SHGC is 0.28. The maximum allowed value is [No Limit].
	R402.5	Area-weighted average fenestration U-Factor	
	R404.1	Lighting Equipment	At least 75.0% of fixtures shall be high-efficacy lamps, currently 90.0% are high- efficacy.
	Mandatory Checklist	Mandatory code requirements that are not checked by Ekotrope must be met.	2015 IECC Mandatory Checklist must be checked as complete.
	R403.3.1	Duct Insulation	Duct insulation meets the requirements specified in North Carolina 2018 Code Section 403.3.1.
	403.3.3	Duct Testing	

#### Design exceeds requirements for North Carolina 2018 Prescriptive compliance by 9.2%.

Name:	Justin Smith	Signature:	Justin Smith
Organization:	Southern Energy Management	Digitally signed:	3/7/23 at 1:57 PM

Property 112 Sears Dr Cameron, NC 28326 Model: Taggart Community: Liberty Meadows

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

**Organization**Southern Energy Management

Justin Smith

Inspection Status

Results are projected

Builder

SMG Precision Properties



General Building Information	n
Number Of Bedrooms	4
Number Of Floors	2
Conditioned Floor Area [sq. ft.]	2,289
Has Electric Vehicle Ready Space	No
Unconditioned, attached garage?	Yes
Conditioned Volume [cu. ft.]	20,542
Total Units in Building	1
Residence Type	Single family detached
Number of Floors in Building	-
Floor Number	-
Model	Taggart
Community	Liberty Meadows
RESNET/IECC 2006-2018 Climate Zone	4A
IECC 2021 Climate Zone	3A

#### **Foundation Wall**

None Present

#### **Foundation Wall Library List**

None Present

Slab								
Nam	e Library Type	e Perimeter	r Floor Grade	Carpet R	Exposed Masonry Area	Surface Area	Location	Enclosing
slat	Uninsulated	152	On Grade	1	0	1,115.0 ft²	Exposed Exterior	Conditioned Space

Slab Library I	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

Property
112 Sears Dr
Cameron, NC 28326
Model: Taggart
Community: Liberty Meadows

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

**Organization**Southern Energy Management
Justin Smith

Builder SMG Precision Properties Inspection Status Results are projected



Framed Floo	r				
Name	Library Type	Carpet R	Floor Grade	Surface Area	Location
over garage	R 19, 16"OC G1 Carpet	0	Above Grade	129.0 ft²	Unconditioned, attached garage

Framed Floo	or 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	125.0 ft²	Exposed Exterior
1st floor garage	R 19 G1, 16"OC	27.0 ft²	Unconditioned, attached garage

Wall				
Name	Library Type	Surface Color	Surface Area	Locatio
1st floor ambient	R 19 Adv. Framing G1 16" O.C	Medium	1,129.0 ft²	Exposed Exterio
13t floor ambient	K 13 Adv. Halling G1 10 O.C	Wediani	1,125.0 11	Exposed Exterio
1st floor garage	R 19 Adv. Framing G1 16" O.C	Medium	239.0 ft²	Unconditioned, attached garage
2nd floor ambient	R 19 Adv. Framing G1 16" O.C	Medium	1,216.0 ft²	Exposed Exterio

Property
112 Sears Dr
Cameron, NC 28326
Model: Taggart

Community: Liberty Meadows

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

**Organization** Southern Energy Management Justin Smith

Builder SMG Precision Properties Inspection Status Results are projected



Wall Library List	
Nai	me Effective R-value
R 19 Adv. Framing G1 16" O	.C 17.492

Glazing									
Name	Library Type	Wall Assignment	Foundation Wall Assignment	ls Operable	e 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	51.2 ft²
front shaded	33/28	1st floor ambient		Yes	6	1	6	West	7.0 ft²
front unshaded	33/28	1st floor ambient		Yes	0	0	0	West	27.0 ft²
left 2nd unshaded	33/28	2nd floor ambient	-	Yes	0	0	0	North	27.0 ft²
left unshaded	33/28	1st floor ambient	•	Yes	0	0	0	North	27.0 ft²
rear 2nd unshaded	33/28	2nd floor ambient		Yes	0	0	0	East	34.0 ft²
rear unshaded	33/28	1st floor ambient		Yes	0	0	0	East	72.5 ft²
right unshaded	33/28	1st floor ambient		Yes	0	0	0	South	27.0 ft²

Glazing Library List			
Name	Shgc	U-factor	
33/28	0.28	0.330	

Skylight			
	None Present		

#### **Skylight Library List**

None Present

Property
112 Sears Dr
Cameron, NC 28326
Model: Taggart
Community: Liberty Meadows

Liberty Meadows Lot 24

Model: Taggart Community: Liberty Meadows Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect **Organization**Southern Energy Management
Justin Smith

Builder SMG Precision Properties Inspection Status Results are projected



Opaque Doo	r							
Name	Library Type	Wall Assignment	Foundation Wall Assignment		Solar Absorptance		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	s R-5	0.200	

Roof	Insulation	on					
	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 Padiant Barrier	1,828.68	No	Dark	1,244.0 ft²	Attic

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

Whole House Infiltr	ation	
Infiltration	Measurement Type	Shelter Class
1643 CFM at 50 Pa	Blower-door tested	4

Mechanical Ventilation	
------------------------	--

None Present

Property 112 Sears Dr Cameron, NC 28326 Model: Taggart Community: Liberty Meadows

Justin Smith Builder SMG Precision Properties

Organization Southern Energy Management

Inspection Status Results are projected



Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

Liberty Meadows Lot 24					
Lighting					
% Interior Fluorescent Lighting	% Interior LED Lighting	% Exterior Fluorescent Lighting	% Exterior LED Lighting	% Garage Fluorescent Lighting	% Garage LED Lighting
0	90	0	0	0	0
Onsite Genera		one Present			
	****	one i resent			
Onsite Genera	tion Library List				
	No	one Present			
1					
Solar Generati		_			
	No	one Present			
Dehumidifier	N	one Present			
		one i resent			
Dehumidifier L		one Present			
Whole House		one Present			

Property 112 Sears Dr Cameron, NC 28326 Model: Taggart Community: Liberty Meadows

Liberty Meadows Lot 24

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect

**Organization** Southern Energy Management Justin Smith

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	
1st floor heat pump	z 24k 14 SEER 8.0hspf		49%	49%	0%	Attic
2nd floor heat pump	z 24k 14 SEER 8.0hspf		51%	51%	0%	Attic
Water Heating	z 50 gal. 0.95 EF Elec		0%	0%	100%	Unconditioned Garage

Inspection Status

Results are projected

Equipment Type: z 24k 14 SEER 8.0hspf			
Equipment Type	Air Source Heat Pump		
Fuel Type	Electric		
Distribution Type	Forced Air		
Motor Type	PSC (Single Speed)		
Heating Efficiency	8 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 24k 14 SEER 8.0hspf		
Equipment Type	Air Source Heat Pump	
Fuel Type	Electric	
Distribution Type	Forced Air	
Motor Type	PSC (Single Speed)	
Heating Efficiency	8 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	

Property 112 Sears Dr Cameron, NC 28326 Model: Taggart Community: Liberty Meadows

Complete CMC Precision Liberty Meadows L

Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

Organization

Southern Energy Management Justin Smith

Inspection Status

Results are projected

Builder

SMG Precision Properties



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	

Forced Air
1st floor heat pump
1st floor heat pump
1,115
2
8
8
301.05
111.5
44 CFM @ 25Pa (3.95 / 100 ft²)
44 CFM25
Post-Construction
Yes
Attic (well vented)
70
70
Conditioned Space
30
30
Conditioned Space
0
0
Conditioned Space
0
0
Conditioned Space
0
0
-
Conditioned Space
0
0

Property
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Template - SMG Precision - Liberty Meadows Lot 24 - CZ 4 slab - ecoSelect Liberty Meadows Lot 24

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SMG Precision Properties



Distribution System	
Distribution Type	Forced Air
Heating Equipment	2nd floor heat pump
Cooling Equipment	2nd floor heat pump
Sq. Feet Served	1,174
# Return Grilles	2
Supply Duct R Value	8
Return Duct R Value	8
Supply Duct Area [ft²]	316.98
Return Duct Area [ft²]	117.4
Leakage to Outdoors	46 CFM @ 25Pa (3.92 / 100 ft²)
Total Leakage	46 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
IIVAC	Grading

**HVAC** Grading Not Conducted

Ceiling Fan		
Has Ceiling Fan	No	
Cfm Per Watt	100	

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SMG Precision Properties



Water Distribution	
Water Fixture Type	Low-flow
Use Default Hot Water Pipe Length	No
Hot Water Pipe Length [ft]	75
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

Property 112 Sears Dr Cameron, NC 28326 Model: Taggart Community: Liberty Meadows

Template - SMG Precision - Liberty Meadows Lot 24

- CZ 4 slab - ecoSelect Liberty Meadows Lot 24 Organization Southern Energy Management Justin Smith

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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 \_\_\_\_\_JS 03/07/23\_\_\_

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