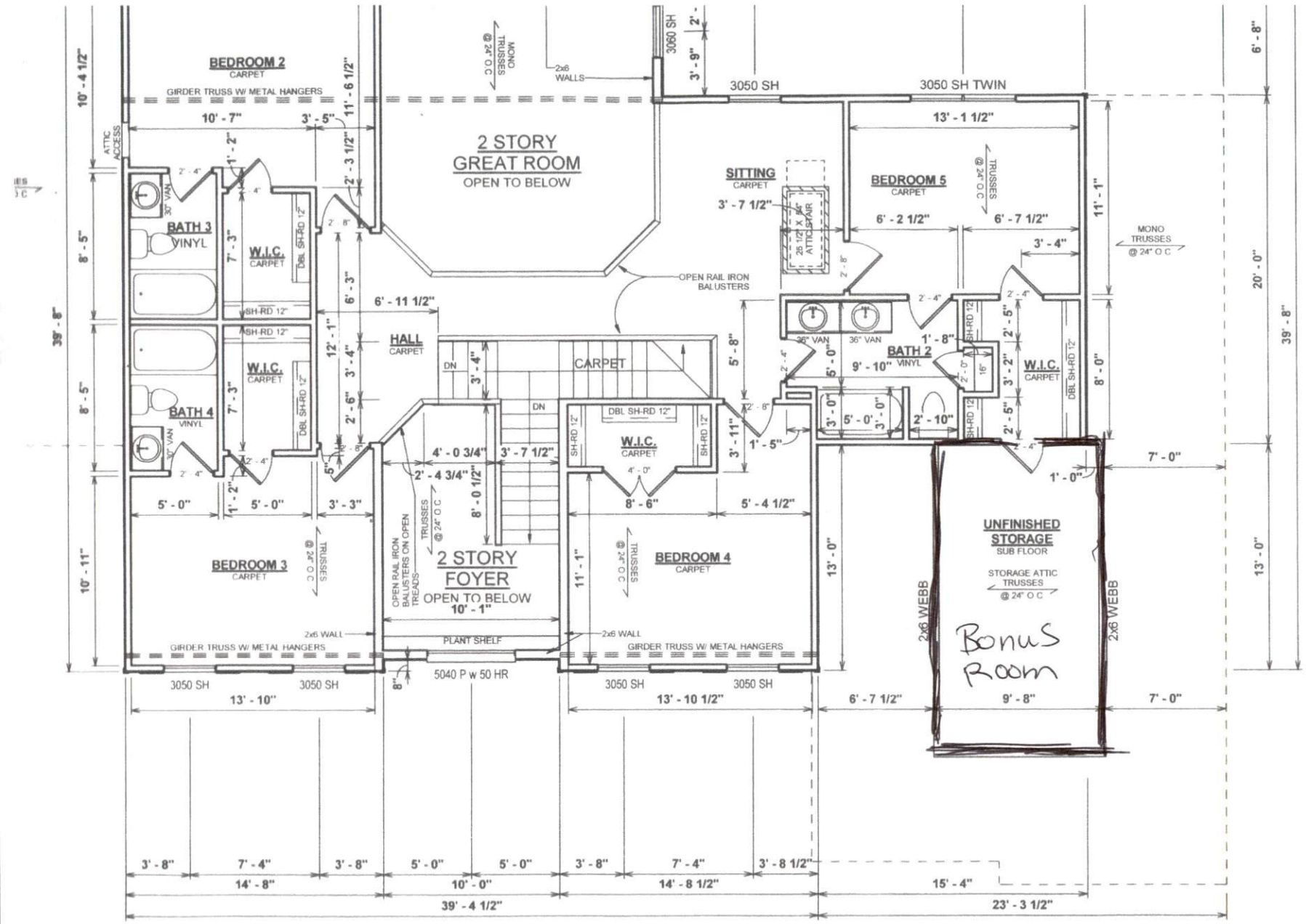


1 SECOND FLOOR PLAN
1/8" = 1'-0"

INSTALLATION

ALL INTERIOR DO
WALLS OR R.O. S
ADJOINING WALL
DIMENSIONED

NUMBER OF STA
A RESULT OF LO
AND FINAL GRAD

ALL SHELVING TO
HEIGHT OFF FLO

ALL PLUMBING FI
REPRESENTATIO
ACTUAL STYLE A
PER OFFICE LOC

ALL TUBS/SHOW
FLANGE INSTALL
ACCESS.TO FUR

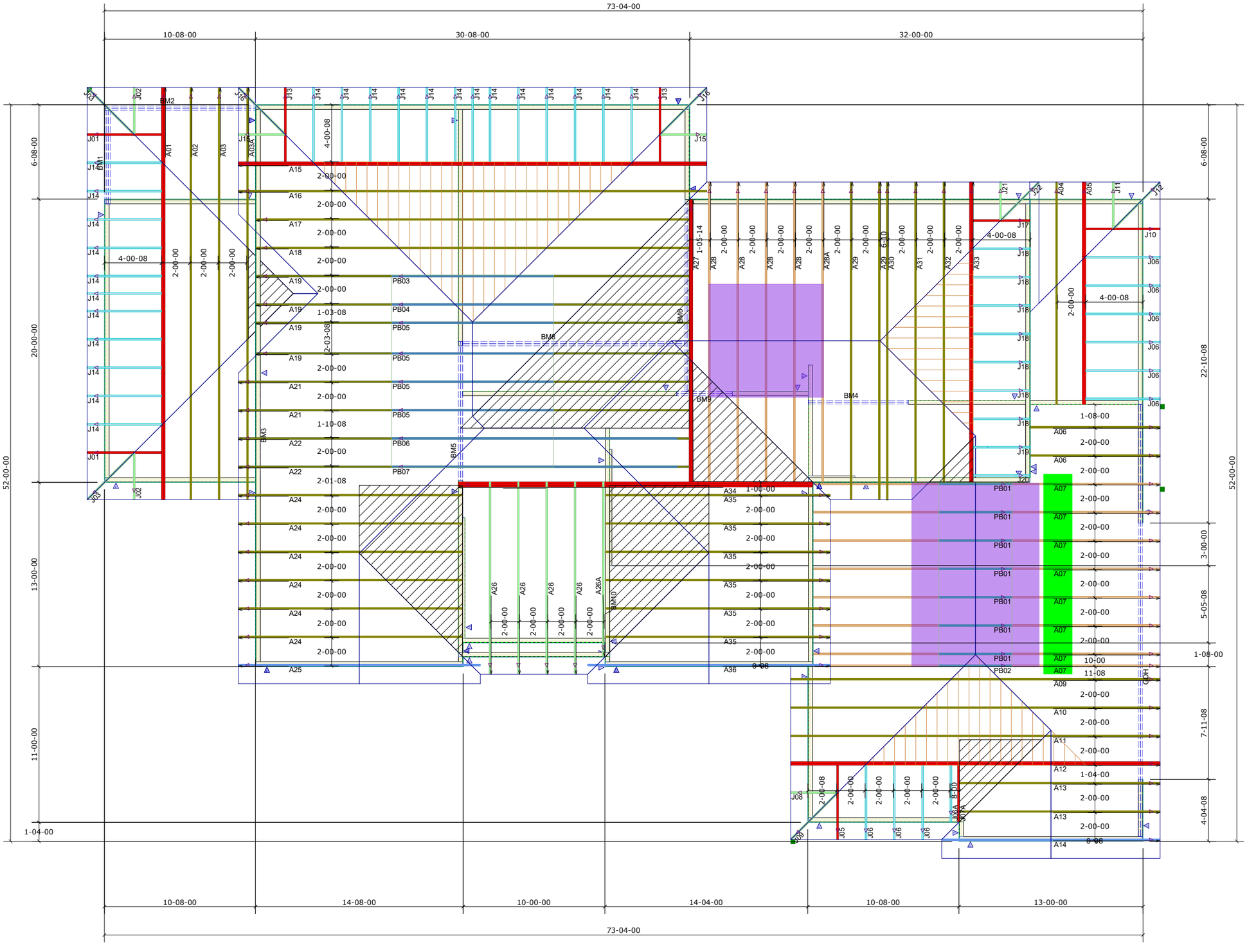
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code
12/02/2022
Harnett COUNTY NORTH CAROLINA

See truss cut sheet

OPT. PAPER SIZE: for 1/4" =1'-0" on 2

FINAL CONSTRUC

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



1st Level Roof Area	2nd Level Roof Area
1904.25	0

84 LUMBER COMPONENTS

DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400

PROJECT: BUIE RESIDENCE

CUSTOMER: AMERICA'S HOMEPLACE

MODEL: SOUTHAMPTON ELEV A

SCALE: N.T.S

DRAWN BY: Charles Carr

PRINT DATE: 4/1/2021

QUOTE #: 2100347

TOP LIVE LOAD: 20.0 lb/ft²

TOP DEAD LOAD: 10.0 lb/ft²

BOTTOM DEAD LOAD: 10.0 lb/ft²

WIND SPEED: 115 mph

GENERAL NOTES:

- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

Job	Truss	Truss Type	Qty	Ply	BUIE RESIDENCE
2100347-2100347A	A07	Attic	8	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Thu Apr 1 13:56:24 2021 Page 1

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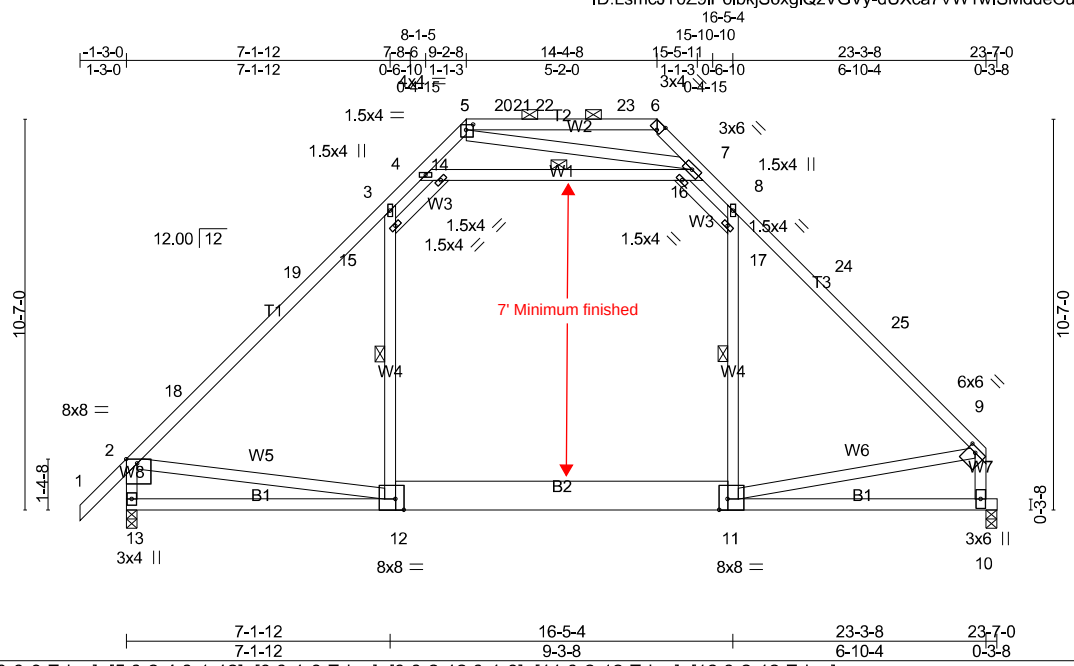

Plate Offsets (X,Y)– [2:0-3-8,Edge], [5:0-2-4,0-1-12], [6:0-1-8,Edge], [9:0-2-12,0-1-8], [11:0-2-12,Edge], [12:0-2-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.27	12-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.34	12-13	>808	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Attic	-0.21	11-12	509	360	Weight: 180 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except*
T2: 2x4 SP No.2, T3: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x10 SP DSS
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 8-11, 4-7

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 13=1052/0-3-8 (min. 0-1-8), 10=965/0-3-8 (min. 0-1-8)
Max Horz 13=209(LC 11)
Max Grav 13=1211(LC 18), 10=1137(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1256/9, 18-19=-1108/35, 3-19=-1085/63, 3-4=-791/162, 5-20=-53/251, 20-21=-53/251, 21-22=-53/251, 22-23=-53/251, 6-23=-53/251, 7-8=-689/161, 8-24=-1069/59, 24-25=-1103/28, 9-25=-1229/27, 2-13=-1134/91, 9-10=-1093/49
BOT CHORD 12-13=-215/457, 11-12=0/833
WEBS 12-15=0/450, 3-15=-19/527, 11-17=0/421, 8-17=-5/564, 4-14=-926/212, 14-16=-902/175, 7-16=-857/206, 2-12=0/665, 9-11=0/747, 16-17=-308/67

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-3-0 to 1-9-0, Interior(1) 1-9-0 to 9-2-8, Exterior(2) 9-2-8 to 13-5-7, Interior(1) 13-5-7 to 14-4-8, Exterior(2) 14-4-8 to 18-7-7, Interior(1) 18-7-7 to 23-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-14, 14-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-12
8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. This connection is for uplift only and does not consider lateral forces.
9) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard