

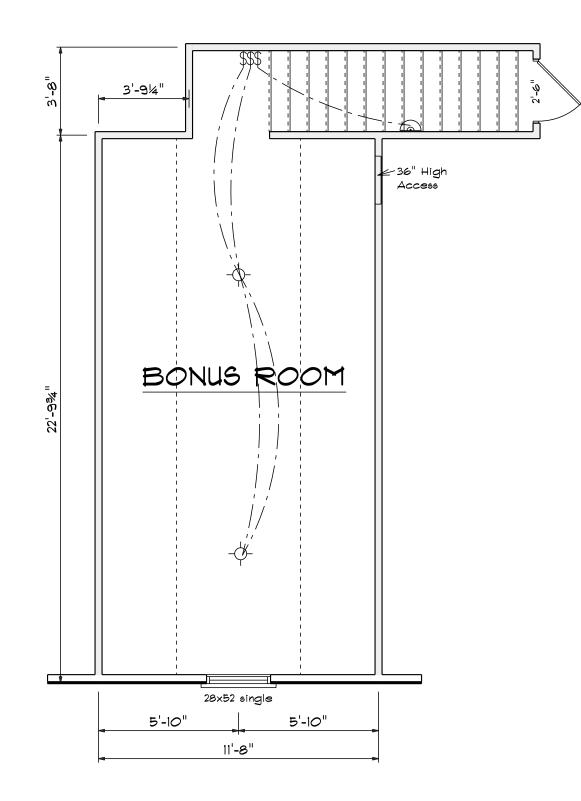
SCALE: 1/4" DATE: 1/12/2024 DRAWN BY REVISED APPROVED DRAWING#

Areas

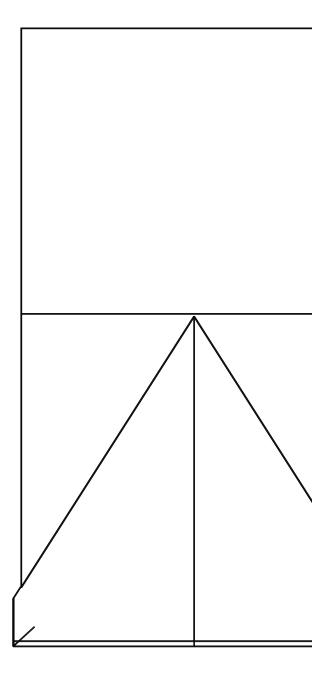
Main Floor	1737
Bonus Room	264
===	======
Total Heated	2001
Garage	496
Front Porch	135

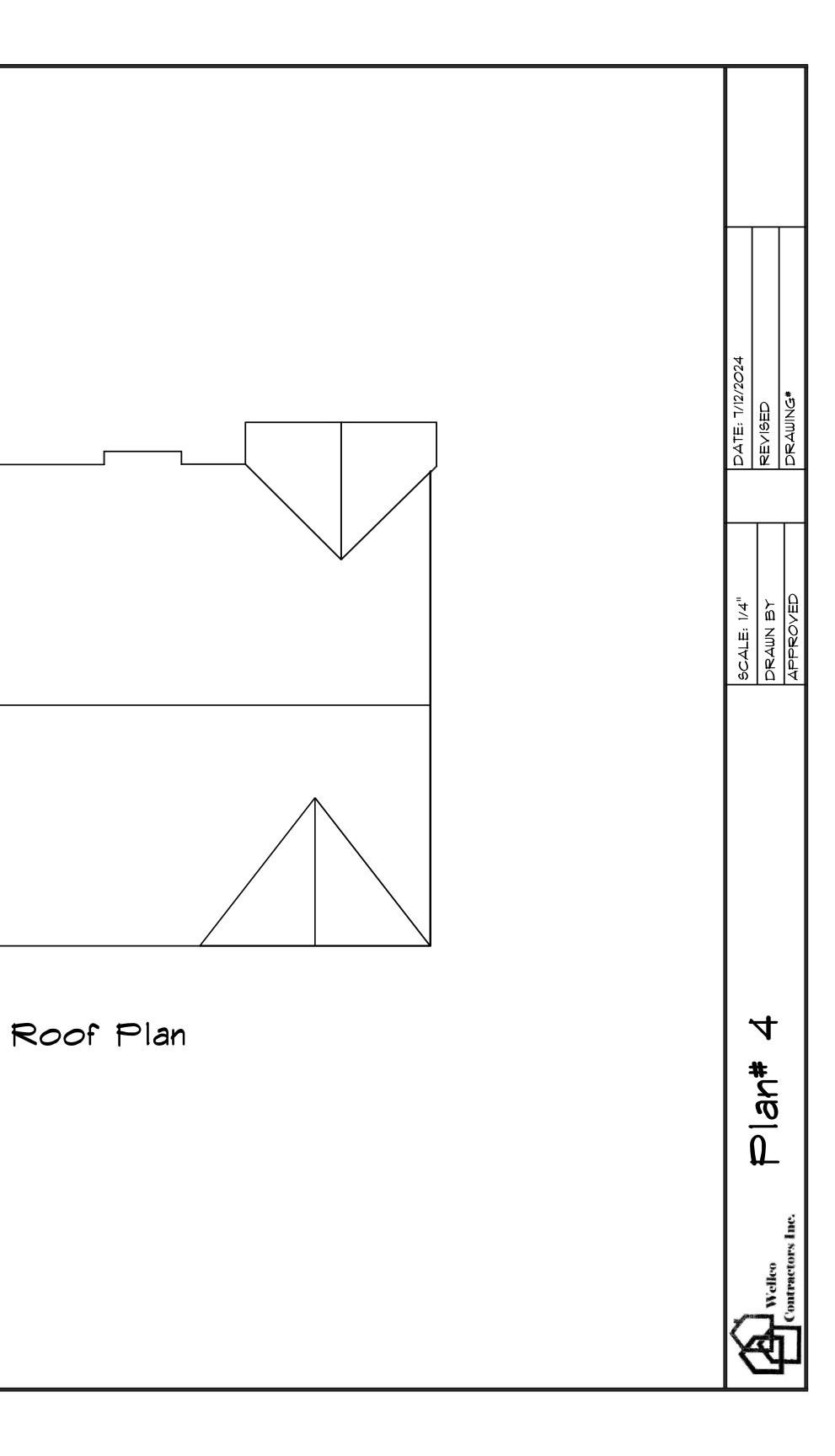


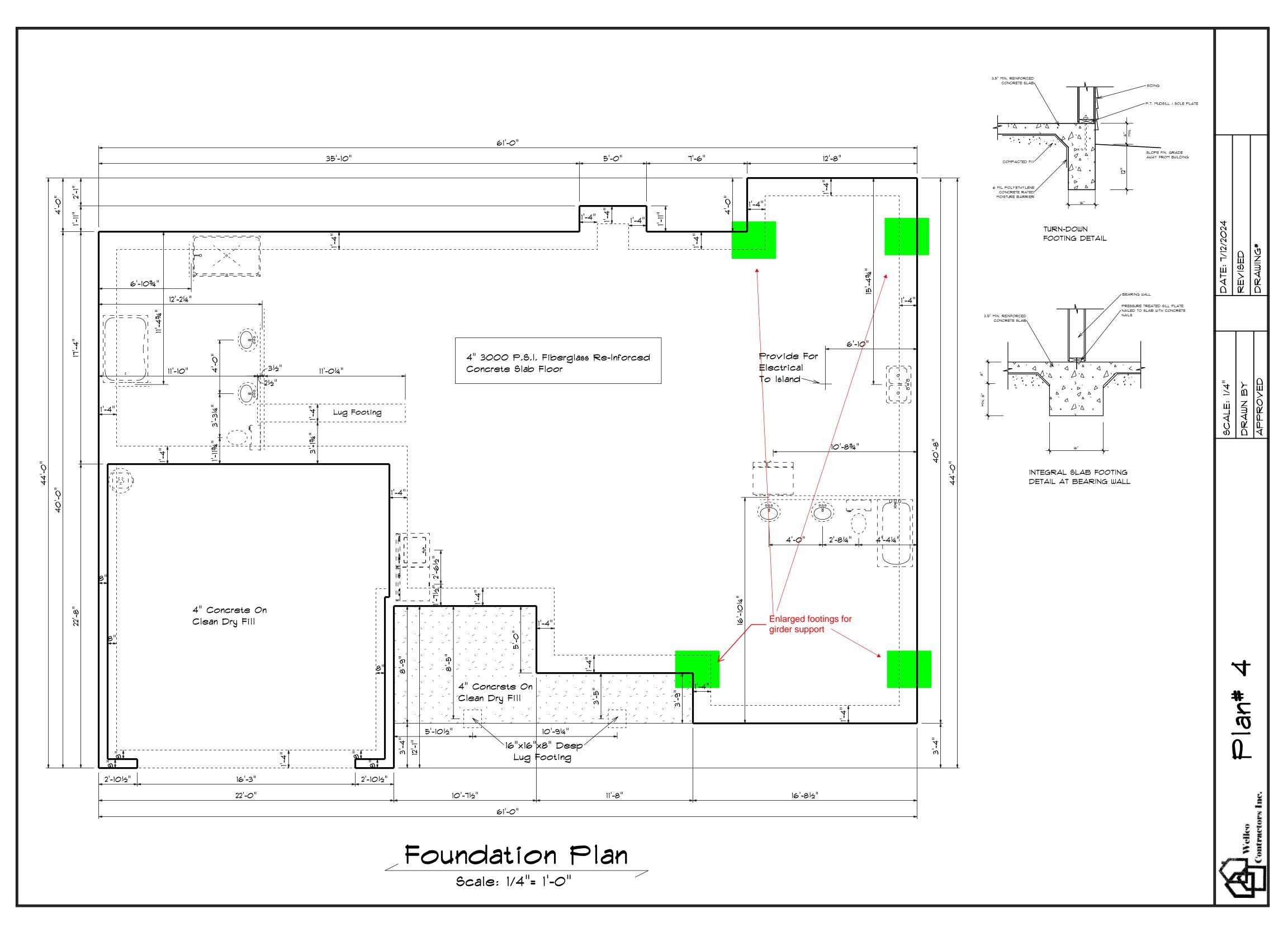
Welleo Contracto

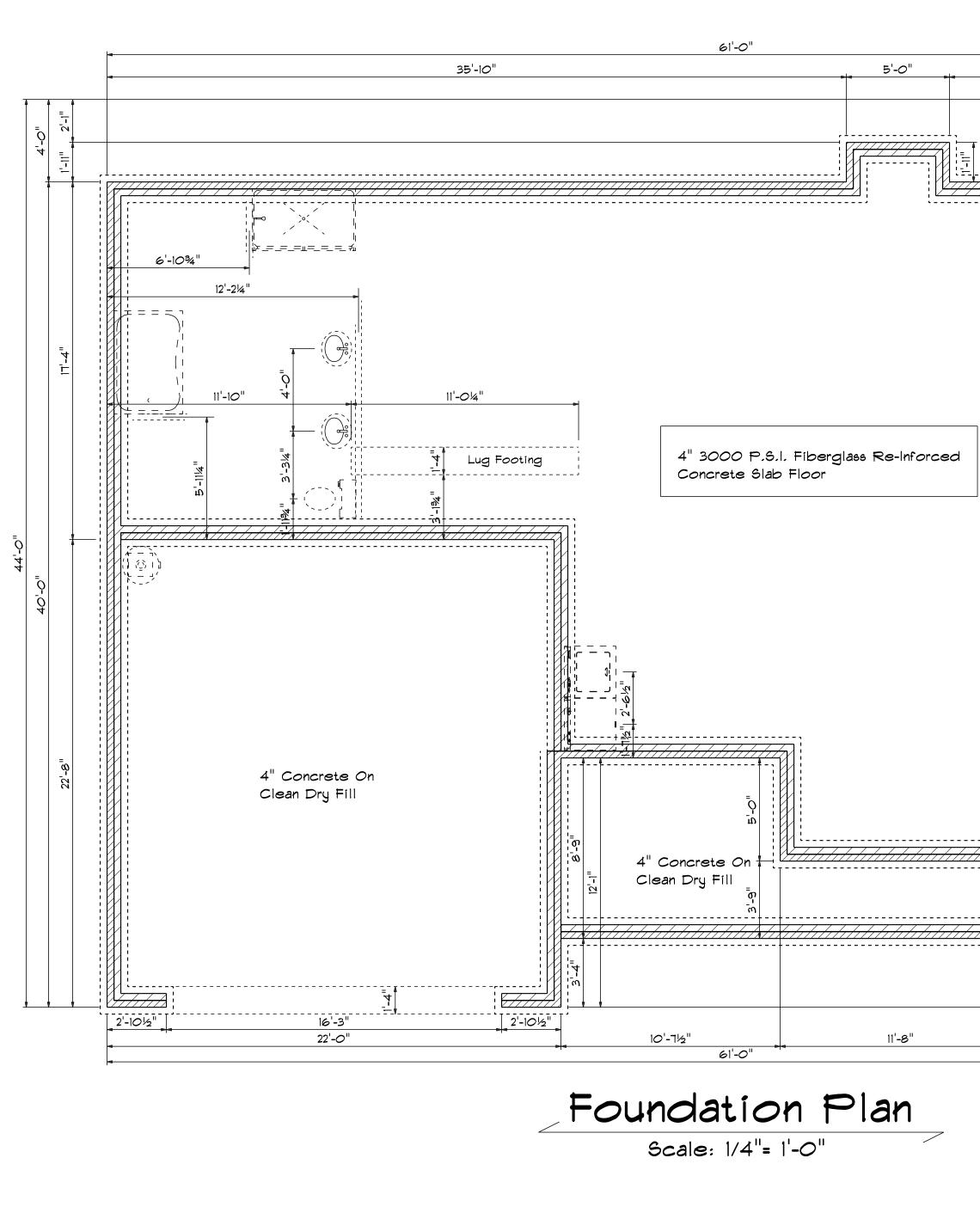


OPENI	NG SCHEDULE			
MAIN FLOOR PRODUCT CODE	SIZE	HINGE	REVERSED	COUNT
36X80 COLONIAL A 1	3'-0"	L	NO	1
32X80 FRENCH A 1	2'-8"	R	NO	1
192X84 - 4 PANEL GARAGE DOOR	16'-0"	U	NO	1
2-0 Door Unit	2'-0"	L	NO	2
2-0 Door Unit	2'-0"	R	NO	2
2-4 Door Unit	2'-4"	L	NO	3
2-6 Door Unit	2'-6"	L	NO	2
2-6 Door Unit	2'-6"	R	NO	2
2-8 Door Unit	2'-8"	R	NO	1
2-8 Door Unit	2'-8"	L	NO	1
3-0 Doublehung Door Unit	3'-0"	LR	NO	1
4-0 Doublehung Door Unit	4'-0"	LR	NO	1
5-0 Doublehung Door Unit	5'-0"	LR	NO	1
20x32 single	2'-0" x 3'-2"	N	NA	1
24X32 Single	2'-4" x 3'-2"	N	NA	1
28x52 single	2'-8" x 5'-2"	N	NA	6
28x52 twin	5'-4" x 5'-2"	NN	NA	2
4X8 GLASS BLOCK	4'-0" x 4'-0"	N	NA	1









4" MIN. REINFORCED-CONCRETE SLAB - SEE STRUCTURAL DRAWINGS AND NOTES 4 **⊺'-6**" 12'-8" SLOPE DRIVEWAY AWAY FROM BUILDING -----6 MIL POLYETHYLENE CONCRETE RATED MOISTURE BARRIER 0.0 DATE: 1/12/2024 REVISED DRAWING# 4" MINIMUM-COMPACTED GRAVEL ----2 BOTTOM OF FOOTING STEM WALL FOOTING DETAIL -4% 6'-10" Provide For Electrical To Island-1/4" SCALE: DRAWN LUG FOOTING DETAIL 10'-8¾" רב שנים ב <u>____</u>____ í P 4'-0" 2'-8¼" ₁4'-4¼' 4 to ant #u "4 "4 16'-8½"

- P.T. MUDSILL / SOLE PLATE

J Wellco Contracto



Carter Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

Builder: Wellco Contractor



Model: 129 Hidden Lakes Plan 4 GLH

THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

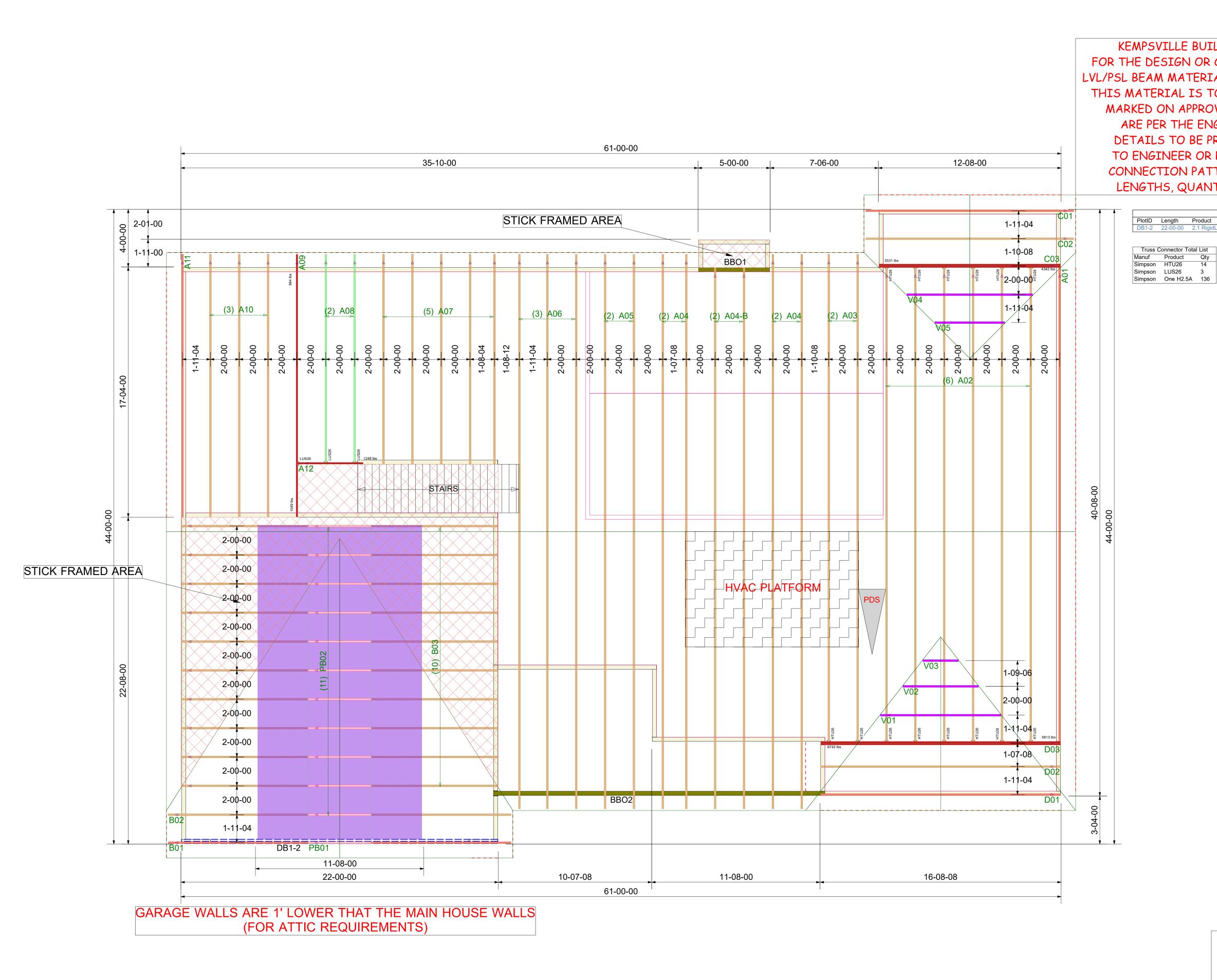
6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

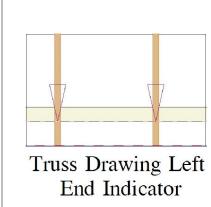
7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death. 9. All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the building designer and or contractor.

Approved By: _____

Date: _____





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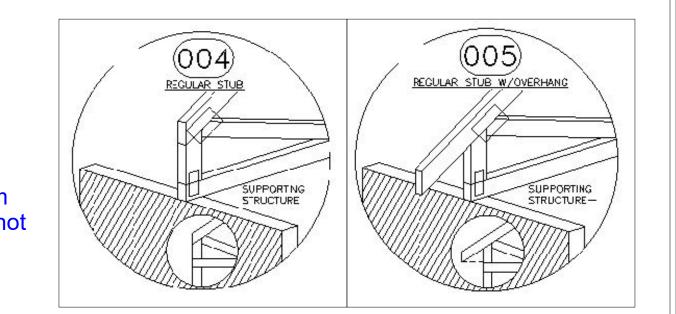
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FB# - Flush Beam DB# - Dropped Beam BBO - Beam that is not supplied by the component plant

KEMPSVILLE BUILDING MATERIALS IS NOT RESPONSIBLE FOR THE DESIGN OR CALCULATION OF ANY AND ALL I-JOIST AND LVL/PSL BEAM MATERIAL. ALL ENGINEERING AND INFORMATION FOR THIS MATERIAL IS TO BE PROVIDED BY THE ENGINEER OF RECORD MARKED ON APPROVED SET OF PLANS. ALL BEAM PLACEMENTS ARE PER THE ENGINEERING RECEIVED. ALL CONNECTION DETAILS TO BE PROVIDED BY ENGINEER OF RECORD. REFER TO ENGINEER OR RECORD FOR ALL MULTI-PLY LVL/ I-JOIST CONNECTION PATTERNS. BUILDER TO VERIFY ALL MATERIAL LENGTHS, QUANTITIES, AND SIZES PRIOR TO ORDERING.

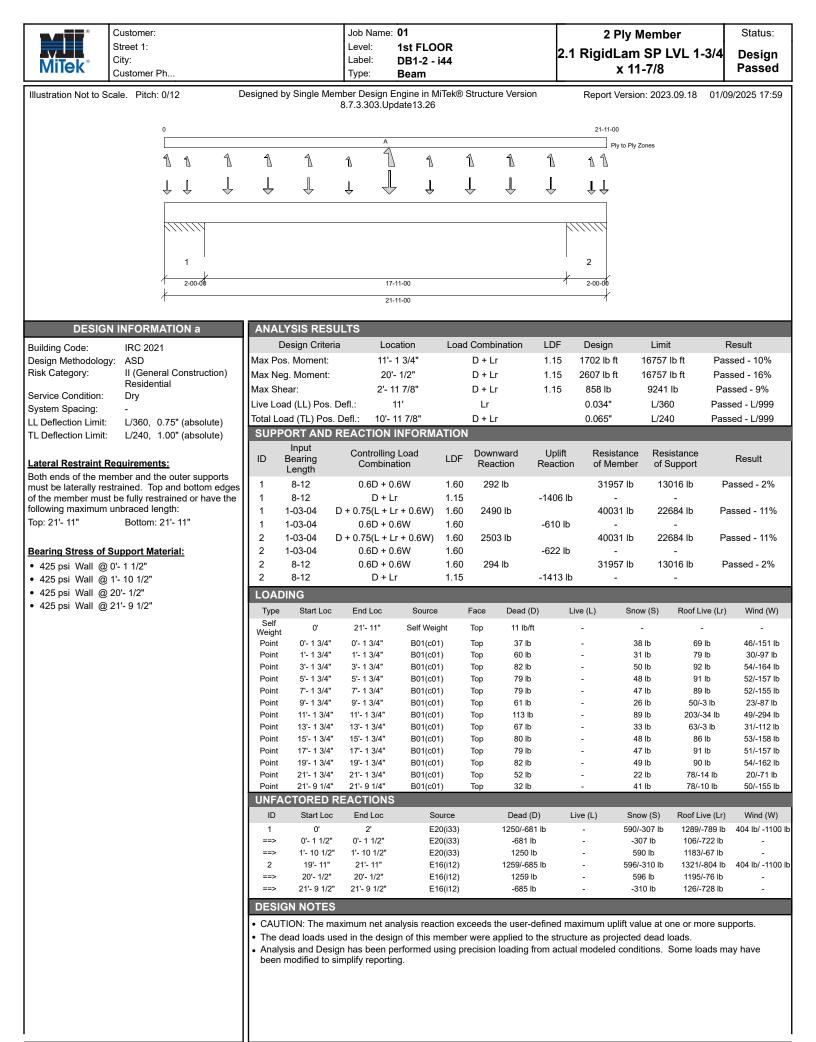
		Products			
ength.	Product		Plies	Net Qty	Fab Type
2-00-00	2.1 RigidL	am SP LVL 1-3/4 x 11-7/8	2	2	FF
nnector T	otal List				
Product	Qty				
HTU26	14				
	0				



REFER TO	FINAL [®]	TRUSS	ENGINEERING	SHEETS	FOR	PLY T		CONNEC	CTIONS.
	REFER TO	REFER TO FINAL	REFER TO FINAL TRUSS	REFER TO FINAL TRUSS ENGINEERING	REFER TO FINAL TRUSS ENGINEERING SHEETS	REFER TO FINAL TRUSS ENGINEERING SHEETS FOR	REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY 1	REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY	REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNEC

	-	sions	
or.	00/00/00	Name	
ar tract	00/00/00	Name Name	
Con .	00/00/00	Name	
d or		Name	
All uplific connectors shown within these documents are recommendations only. Fer ANSI/TPL1, all uplift connectors are the responsibility of the bldg designer and or contractor.	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual 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	systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179	
uplift con	at the sech tris resp		
ONS ARE READ AS: FOOT-INCH-SIXTEENTH. All UPIIIL COTIN		Junker	
GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. ** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.	Wellco Contractor 129 Hidden Lakes	North-Roof-Plan 4 GLH ROOF PLACEMENT PLAN	
	Scale:		
Y CON	Date:		
FULL	De	2025 signer:	
ST BE	Proje	Rogers	
S MU	25010	026-01 t Number:	
** GIRDER	1	/1	

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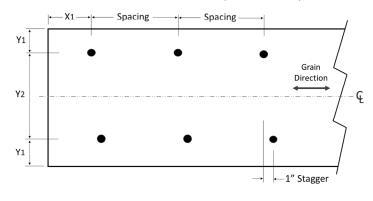


DESIGN NOTES

- Tributary Loads have been generated based on actual spacing between members in the model which may differ from the default system spacing. The actual loads applied to the member are shown in the Specified Loads table.
- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.
- Review all loads and reactions to ensure that the member/bearing/connector/structure can resist adequately. Unless already
 specified on this report, anchorage for uplift reactions to be specified by others. Installation of member and accessories (if
 required) as per manufacturer's instruction.
- Beam Stability Factor used in the calculation for Allowable Max Pos Moment (CL) = 0.52

PLY TO PLY CONNECTION

- Zone A: Factored load = 0 plf. Use 12d (0.148"x3.25") nails. LDF = 1.00. Qty = 44. Row = 2, Spacing = 12" 12d (0.148"x3.25") nails properties: D = 0.148", L = 3.25". Fastener capacity = 128 lbs. X1 = 2.25", Y1 = 0.75", Y2 = 1.5" Install fasteners from one face.
 - X1 = Minimum end distance, X2 = Minimum edge distance, Y2 = Minimum row spacing.
 - FASTENER INSTALLATION 2 ROWS (FROM ONE FACE)





Trenco 818 Soundside Rd Edenton, NC 27932

Re: 25010026-01 129 Hidden Lakes North-Roof-Plan 4 GLH

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I70611595 thru I70611623

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



January 9,2025

Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	V05	Valley	1	1	Job Reference (optional)	170611595

2-4-9

2-4-9

Carter Components (Sanford, NC), Sanford, NC - 27332,

1-4-15

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:LGiRc4qW?Gn79ibRpZAEfozxSOq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x5 =

4-3-3

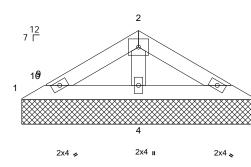
1-10-10

4-9-2

3



1-1-3 10 0 4 2x4 🍬 4-9-2



Scale = 1:23.5

Ocale = 1.25.5													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	21/TPI2014	CSI TC BC WB Matrix-MP	0.07 0.09 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 15 lb	GRIP 244/190 FT = 20%
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS (2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 4-9-2 oc purlins. Rigid ceiling directly bracing. (size) 1=4-9-2, 3 Max Horiz 1=-29 (LC Max Uplift 3=-13 (LC Max Grav 1=49 (LC (LC 1)	applied or 6-0-0 oc 3=4-9-2, 4=4-9-2 2 10) 2 15), 4=-17 (LC 14)	ed or 5	 design. Gable requin Gable studs This truss his chord live lo * This truss on the botto 3-06-00 tall chord and a Provide mee bearing plate 	snow loads have res continuous bo spaced at 4-0-0 as been designed ad nonconcurrent has been designe m chord in all area by 2-00-00 wide v ny other members chanical connection e capable of withs uplift at joint 4.	ttom chor oc. for a 10. with any ed for a liv as where vill fit betw s. on (by oth	d bearing. 0 psf bottom other live loa re load of 20.1 a rectangle veen the botto ers) of truss t	ads. Opsf om to					
TOP CHORD BOT CHORD WEBS NOTES	(Ib) - Maximum Com Tension 1-2=-62/95, 2-3=-83 1-4=-88/64, 3-4=-88 2-4=-182/74 d roof live loads have	/97 /65											10.
 Wind: AŠCI Vasd=103m 	E 7-16; Vult=130mph nph; TCDL=6.0psf; B nclosed: MWERS (er	CDL=6.0psf; h=25ft;									1.51	WITH CA	ROLIN

- II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 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
- Truss designed for wind loads in the plane of the truss 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancing Component Advancing Component Advancing and PCB and Component Advancing Component Compone and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	V04	Valley	1	1	Job Reference (optional)	70611596

2-6-8

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:LGiRc4qW?Gn79ibRpZAEfozxSOq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

 $4 \cdot 3 \cdot 13$ $4 \cdot 5 =$ $4 \cdot 5 =$ $7 \cdot 12$ $7 \cdot 12$ $1 \cdot 10$ $1 \cdot 10$ $4 \cdot 5 =$ $4 \cdot 5$

2x4 II

8-7-10

3x5 🍫

Scale - 1:27 2

Scale = 1:27.2													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC202 ⁻	1/TPI2014	CSI TC BC WB Matrix-MP	0.34 0.33 0.10	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 29 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS	8-7-10 oc purlins. Rigid ceiling directly bracing.	3=8-7-10, 4=8-7-10 10) 21), 3=-25 (LC 20), 24) 20), 3=104 (LC 21), C 20) npression/Maximum 8/315	6) 7) 8) 9) 10	Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall th chord and ar) Provide mec bearing plate	snow loads have es continuous bot spaced at 4-0-0 o is been designed ad nonconcurrent has been designed in chord in all area by 2-00-00 wide w hy other members hanical connectio e capable of withs t at joint 3 and 57	(Lum DC t B; Fully been cor tom chor c. for a 10.0 with any d for a liv as where ill fi to n (by oth tanding 4	DL=1.15 Plate Exp.; Ce=0.9 Insidered for the d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss to 10 bu plift at j	e); his ds. Dpsf om					
NOTES 1) Unbalance	ed roof live loads have	been considered for										mun	1117

 Unbalanced roof live load this design.

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Exterior(2R) 3-6-8 to 5-8-1, Exterior(2E) 5-8-1 to 8-8-1 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

SEAL 036322 January 9,2025

3

3x5 👟

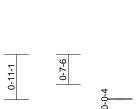
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

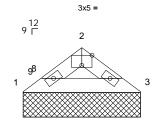


Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	V03	Valley	1	1	Job Reference (optional)	170611597

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:s4830kpuEyfGYY0FFsf?6bzxS0r-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







 1-2-6
 2-0-3

 1-2-6
 0-9-13

2x4 🧳 2x4 🔪

2-4-13

Scale = 1:23.6

Plate Offsets (X, Y): [2:0-2-8,Edge]

		1	-			· · · · ·						
Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0				-						Weight: 7 lb	FT = 20%
LUMBER TOP CHORD	2x4 SP No.2			ds spaced at 4-0-0 has been designed		0 psf bottom						
BOT CHORD	2x4 SP No.2			load nonconcurrent								
BRACING				ss has been designe			0psf					
TOP CHORD	Structural wood she 2-4-13 oc purlins.	athing directly appli	3-06-00 t	ttom chord in all are all by 2-00-00 wide v	will fit betv		om					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	10) Provide r	any other members nechanical connection	on (by oth							
		, 3=2-4-13	bearing p	late capable of with	standing a	s ib upilit at jo	ont 3.					
	Max Horiz 1=-16 (LC Max Uplift 3=-8 (LC Max Grav 1=74 (LC	15)	LOAD CASE	(S) Standard								
FORCES	(lb) - Maximum Corr											
TOROLO	Tension	ipression/maximum										
TOP CHORD	1-2=-120/47, 2-3=-1	32/51										
BOT CHORD	1-3=-28/98											
NOTES												
1) Unbalance this design	ed roof live loads have	been considered fo	r									
0	CE 7-16; Vult=130mph	(3-second qust)										
	mph; TCDL=6.0psf; B		; Cat.								WITH CA	1111
	Enclosed; MWFRS (er										WHY CA	AD
	xterior(2E) zone; cant									1	alri	91.14
	end vertical left and ri									1.	O'EES	id A .
	and forces & MWFRS		1;						6	25	in	CUSIO -
	OL=1.60 plate grip DC igned for wind loads in		CC									
	studs exposed to wind								-		SEA	n 1 E -
	ard Industry Gable En								=	:	SLF	• –
	qualified building desi										0363	322 : =
	CE 7-16; Pr=20.0 psf (- 3		1 3
	.=1.15); Pf=20.0 psf (L									1	·	
	;); Is=1.0; Rough Cat E	3; Fully Exp.; Ce=0.9	9;							20	NGIN	FERRICAS
Cs=1.00; (Ct=1.10 ed snow loads have be	on considered for th	hic							11	20	ET N
design.			110								SEA 0363	ALDIN
0	uires continuous botto	m chord bearing.									111111	mm
,		5									lonus	ny 0 2025

January 9,2025



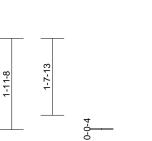
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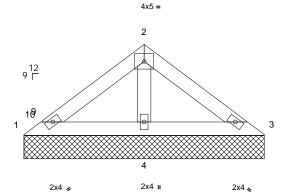
Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	V02	Valley	1	1	Job Reference (optional)	170611598

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:s483OkpuEyfGYY0FFsf?6bzxSOr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







5-2-1

Scale = 1:24.8

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2021	1/TPI2014	CSI TC BC WB Matrix-MP	0.10 0.12 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 18 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 5-2-1 oc purlins. Rigid ceiling directly bracing.	applied or 6-0-0 oc 3=5-2-1, 4=5-2-1 : 10) 15), 4=-29 (LC 14)	9) 10 1-312	design. Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar) Provide mec		ttom chor oc. for a 10.0 with any d for a liv as where vill fit betv s. on (by oth	d bearing. O psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t	ds. Dpsf om					
 this design Wind: ASC Vasd=103 II; Exp B; and C-C E exposed; members Lumber D Truss des only. For see Stand or consult TCLL: AS Plate DOL 	1-4=-96/88, 3-4=-96, 2-4=-228/102 red roof live loads have	4/115 /88 been considered fo (3-second gust) CDL=6.0psf; h=25ft; welope) exterior zor lever left and right ght exposed;C-C for for reactions shown L=1.60 the plane of the tru (normal to the face d Details as applical gner as per ANSI/TF roof LL: Lum DOL=: um DOL=1.15 Plate	Cat. ne ; ss , ole, PI 1. 1.15							Contraction of the second seco		SEA 0363	• -

A. GI A. GILLIN January 9,2025

818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	V01	Valley	1	1	I7061 Job Reference (optional)	11599

4-1-11

4-1-11

Carter Components (Sanford, NC), Sanford, NC - 27332,

2-9-13

0-0-4

3-1-8

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:p0MYzOLdR_Wkb?IRqlC4ntzxSiq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

11

4x5 = 2

8-3-6

7-10-13

3-9-2

8-3-6

0-4-10

12 3

3x5 💊

Page: 1

,12 9 Г 19 ŀ 1 4 3x5 🍫 2x4 🛛

10

Scale = 1:29.5

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf) TCDL	20.0	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.32	Vert(TL)	n/a	- 4	n/a	999		
BCLL	10.0 0.0*	Code	IRC2021/TPI2014	Matrix-MP	0.11	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRG2021/1912014	IVIALITX-IVIP							Weight: 30 lb	FT = 20%
		1									Troigita do is	
LUMBER				E 7-16; Pr=20.0 ps								
TOP CHORD	2x4 SP No.2			1.15); Pf=20.0 psf Is=1.0; Rough Ca								
BOT CHORD OTHERS	2x4 SP No.2 2x4 SP No.3		Cs=1.00; C		сь, ruiiy	exp., ce=0.	9,					
BRACING	274 01 10.5			I snow loads have	been co	nsidered for t	his					
TOP CHORD	Structural wood she	athing directly applie	dor design.									
	8-3-6 oc purlins.	an oblig an oblig applie	Gable requ	res continuous bot		rd bearing.						
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc		spaced at 4-0-0 o		0						
	bracing.			as been designed ad nonconcurrent			ade					
REACTIONS	· · · ·	3=8-3-6, 4=8-3-6		has been designed								
	Max Horiz 1=-66 (LC Max Uplift 1=-45 (LC			m chord in all area			-					
	4=-77 (LC		3-00-00 tail	by 2-00-00 wide w		ween the bott	om					
	Max Grav 1=65 (LC			ny other members chanical connectio		ere) of truce	to					
	(LC 20)			e capable of withs								
FORCES	(lb) - Maximum Com	npression/Maximum		ft at joint 3 and 77								
TOP CHORD	Tension 1-2=-102/289, 2-3=-	103/287	LOAD CASE(S	Standard								
BOT CHORD	1-4=-231/158, 3-4=-											
WEBS	2-4=-497/208											
NOTES												
,	ed roof live loads have	been considered for	r								NITH CA	1111
this design		(C) I ()									WHY CA	Pall
	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B		Cat							1	ATT	
	Enclosed; MWFRS (er									x.	O'.FESS	AT Vin
	xterior(2E) 0-5-4 to 3-								1	55		M
	Exterior(2E) 5-3-12 to		ver									
	ht exposed ; end verti C-C for members and f										SEA	L E
	shown; Lumber DOL=								=	:	0363	
DOL=1.60		51							-		0303	22 : E
	igned for wind loads in									2	8	1 3
	studs exposed to wind ard Industry Gable En									20	N. ENOW	-ERIX S
	qualified building desi									1	P. GIN	F.F. ER N
	,	5 · ··· ··· ··· ··· ··· ···										ILBUIN
											111111	111111
											lanua	ny 0 2025

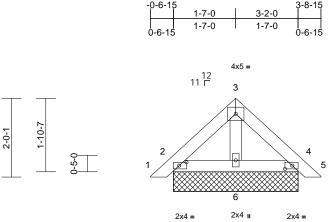
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	PB02	Piggyback	11	1	Job Reference (optional)	0

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:OXxYLKnyUXqTDLRjCo6rdSzxSQB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



2x4 🛚	2x4 =
	2X4 II

3-2-0

		3-2-0	
Scale = 1:29.3	I		I
Plate Offsets (X, Y): [2:0-2-4,0-1-0], [4:0-2-4,0-1-0]			

Plate Offsets ()	X, Y): [2:0-2-4,0-1-0],	[4:0-2-4,0-1-0]					-						
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2027	I/TPI2014	CSI TC BC WB Matrix-MP	0.04 0.04 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 15 lb	GRIP 244/190 FT = 20%
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES	4-4-7 oc purlins. Rigid ceiling directly bracing.	: 14), 4=-20 (LC 15), 6 : 21), 4=135 (LC 22), : 22) :pression/Maximum 2, 3-4=-66/52, 4-5=0/2	5) l or 6) 7) 8) 9) 5=-1 10	Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live loa) * This truss ha chord live loa) * This truss ha	 7-16; Pr=20.0 ps .15); Pf=20.0 ps ls=1.0; Rough Catella and the second and nonconcurrent with the second sec	(Lum DC t B; Fully been cor for great flat roof li- h other lii tom chor ic. for a 10.1 with any d for a liv as where iill fit betw	DL=1.15 Plate Exp.; Ce=0.9 nsidered for the er of min roof oad of 20.0 pi ve loads. d bearing. D ps bottom other live loa e load of 20.0 a rectangle	e 9; f live sf on ds. 0psf					
 this design Wind: ASC Vasd=1037 II; Exp B; E and C-C E: exposed ; e members a Lumber DC Truss desig only. For s see Standa 	d roof live loads have E 7-16; Vult=130mph mph; TCDL=6.0psf; B Enclosed; MWFRS (er xterior(2E) zone; canti end vertical left and rig and forces & MWFRS DL=1.60 plate grip DO gned for wind loads in studs exposed to wind ard Industry Gable En- qualified building desig	(3-second gust) CDL=6.0psf; h=25ft; C ivelope) exterior zone ilever left and right ght exposed;C-C for for reactions shown; L=1.60 the plane of the truss (normal to the face), d Details as applicable	LC Cat.	Detail for Co	d Industry Piggyb nnection to base t fied building desig Standard	truss as a				4	à	SEA 0363	L



Page: 1

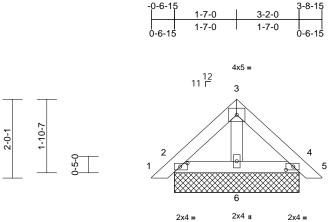
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science United for the Structure Buckling Component Advance Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	PB01	Piggyback	1	1	I70611601 Job Reference (optional)	

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:UP3vgui7SBc52f8dVc0zWhzxSRa-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



2x4 🛛 2x4 =

3-2-0

	3-2-0
Scale = 1:29.3	, ,
Plate Offsets (X, Y): [2:0-2-4,0-1-0], [4:0-2-4,0-1-0]	

Plate Offsets (X, Y): [2:0-2-4,0-1-0],	[4:0-2-4,0-1-0]	_										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2027	I/TPI2014	CSI TC BC WB Matrix-MP	0.04 0.04 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 15 lb	GRIP 244/190 FT = 20%
	4-4-7 oc purlins. Rigid ceiling directly bracing.	: 14), 4=-20 (LC 15), : 21), 4=130 (LC 22), : 22) :pression/Maximum 1, 3-4=-64/51, 4-5=0/	5) d or 6) 7) 8) 9) 6=-1 10	Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. This truss ha load of 12.0 overhangs n Gable studs This truss ha chord live loa) * This truss ha chord live loa) * This truss ha chord live loa) * This truss ha chord live loa	7-16; Pr=20.0 ps 1.15); Pf=20.0 ps 1.15); Pf=20.0 ps 1.10; Rough Cat =1.10 snow loads have as been designed ps f or 1.00 times f on-concurrent with es continuous bot spaced at 4-0-0 o as been designed ad nonconcurrent nas been designed n chord in all area by 2-00-00 wide w ny other members	(Lum DC t B; Fully been cor for great ilat roof li- n other li- tom chor c. for a 10.1 with any d for a liv is where ill fit betw	DL=1.15 Plate Exp.; Ce=0.5 asidered for the or of min roof pad of 20.0 ps ve loads. d bearing. D psf bottom other live loa e load of 20.0 a rectangle	e); live sf on ds. Dpsf					
NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103 II; Exp B; E and C-C E exposed ; members a Lumber Du 3) Truss desi only. For a see Standa	ed roof live loads have	(3-second gust) CDL=6.0psf; h=25ff; (welope) exterior zone liever left and right ght exposed;C-C for for reactions shown; vL=1.60 the plane of the trus: (normal to the face), d Details as applicabl	LC Cat. S e,	Detail for Co	d Industry Piggyb nnection to base t fied building desig Standard	russ as a				6		SEA 0363	L 22 EER ER LIN



GI minim January 9,2025

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	D03	Common Girder	1	2	Job Reference (optional)	170611602

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:08 ID:2kM3r7M7enKtRTyvOpyZR4zxSO8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

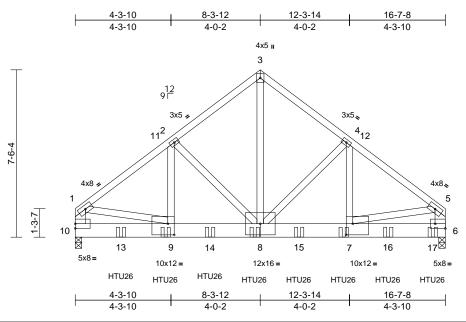


Plate Offsets (X, Y): [6:Edge,0-2-8], [7:0-3-8,0-6-0], [9:0-3-8,0-6-0]

Scale = 1:51.8

	(X, T). [0.Luge,0-2-0],	[7.0-3-0,0-0-0], [3.0-	-0-0,0-0-0]										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 NO IRC202	1/TPI2014	CSI TC BC WB Matrix-MSH	0.48 0.25 0.84	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.11 0.01	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 266 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x8 SP 2400F 2.0E 2x4 SP No.3 *Excep 8-3:2x4 SP No.2 Structural wood she 4-11-14 oc purlins, Rigid ceiling directly bracing.	athing directly applie except end verticals. applied or 10-0-0 oc 10=0-3-8 .C 11) LC 12)	3) d or 4)	except if not CASE(S) se provided to c unless other Unbalanced this design. Wind: ASCE Vasd=103m II; Exp B; En cantilever let right expose TCLL: ASCE	considered equall ed as front (F) or b ction. Ply to ply con distribute only load wise indicated. roof live loads hav 7-16; Vult=130mp oh; TCDL=6.0psf; closed; MWFRS (et t and right expose d; Lumber DOL=1.	ack (B) nnectior s noted ve been bh (3-se BCDL=(envelop d ; end .60 plate	face in the LC is have been as (F) or (B), considered for cond gust) 5.0psf; h=25ft s) exterior zo vertical left ar grip DOL=1. .: Lum DOL=	or ;; Cat. ne; nd .60 :1.15	Co	oncentra Vert: 9=	ated Lo =-1282 82 (F),	(F), 7=-1282 (F), 14=-1282 (F), 15	
FORCES TOP CHORD	(lb) - Maximum Com Tension 1-2=-6204/375, 2-3=	pression/Maximum 4873/323,	 m DOL=1.15); B=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 6) Unbalanced snow loads have been considered for this 										
BOT CHORD WEBS	3-4=-4873/324, 4-5= 1-10=-4759/294, 5-6 9-10=-200/1042, 7-9 1-9=-192/4112, 5-7= 2-9=-135/1698, 2-8= 3-8=-302/5556, 4-8=	i=-4753/94 I=-310/5000, 6-7=0/9 i-124/4079, i-1540/243,	958 8)	chord live loa * This truss I on the bottor	as been designed f ad nonconcurrent v nas been designed n chord in all area: by 2-00-00 wide wi	with any I for a liv s where	other live loa e load of 20. a rectangle	0psf				WITH CA	Rovin
 3-8=-302/5556, 4-8=-1567/0, 4-7=0/1704 NOTES 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-9 2x4 - 1 row at 0-6-0 oc. Web connected as follows: 2x4 - 1 row at 0-6-0 oc. 				chord and an One H2.5A & recommends UPLIFT at jt does not cor U Use Simpso 14-10dx1 1/2 max. starting connect trus) Fill all nail ho DAD CASE(S)	y other members. Simpson Strong-Tied to connect truss (s) 10. This connect sisder lateral forces in Strong-Tie HTU2 2 Truss) or equival g at 2-0-12 from the s(es) to front face obles where hanger Standard ow (balanced): Lur .15	e conne s to beau ction is f s. 26 (10-1 ent spa e left en of bottou is in col	ctors ing walls due or uplift only a 6d Girder, sed at 2-0-0 c d to 16-0-12 t n chord. ntact with lum	e to and oc to nber.		W . 111111		SEA 0363	ER A

January 9,2025

818 Soundside Road Edenton, NC 27932

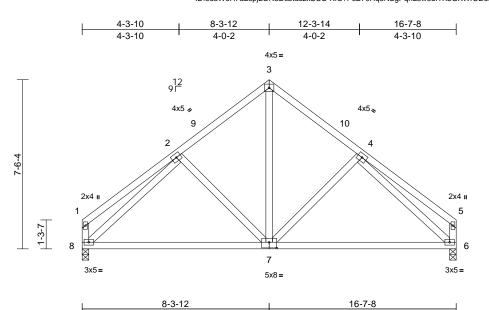
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Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	D02	Common	1	1	Job Reference (optional)	170611603

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:eu8WeH7aLepj2OR3DcbtdszxSOS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

8-3-12

Page: 1



8-3-12

Plate Offsets (X, Y): [7:0-4-0,0-3-0]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202 ⁻	1/TPI2014	CSI TC BC WB Matrix-MSH	0.33 0.63 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.18 0.01	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 101 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 6=0-3-8, 8 Max Horiz 8=180 (LC Max Uplift 6=-48 (LC Max Grav 6=709 (LC	cept end verticals. applied or 10-0-0 oc 3=0-3-8 C 11) C 15), 8=-48 (LC 14)	; 7)	design. This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar One H2.5A S recommende UPLIFT at jtt	snow loads have b as been designed for ad nonconcurrent w nas been designed m chord in all areas by 2-00-00 wide will by other members. Simpson Strong-Tie do connect truss (s) 8 and 6. This co t consider lateral for Standard	or a 10. vith any for a liv where fit betv conne to bear nnectio	0 psf bottom other live loa e load of 20.0 a rectangle veen the botto ctors ing walls due	nds. Opsf om to					
FORCES	(lb) - Maximum Com Tension 1-2=-221/59, 2-3=-6		1										
BOT CHORD WEBS	4-5=-197/74, 1-8=-2 6-8=-88/557 3-7=-65/437, 4-7=-2 2-8=-672/96, 4-6=-6	17/67, 5-6=-199/67 07/168, 2-7=-207/16	,										
this desigr	ed roof live loads have n. CE 7-16; Vult=130mph										and the	ORTH CA	ROLIN

- Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 5-3-12, Exterior(2R) 5-3-12 to 11-3-12, Interior (1) 11-3-12 to 13-5-12, Exterior(2E) 13-5-12 to 16-5-12 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

SEAL 036322 January 9,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

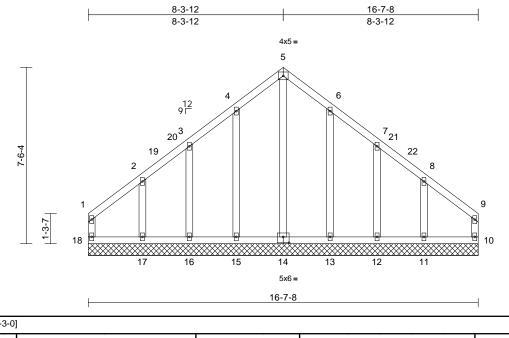


Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	D01	Common Supported Gable	1	1	Job Reference (optional)	170611604

Scale = 1:49.1

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:I6v?ov43IPJHZn7H_mXxT0zxSOW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



late Offsets ((X, Y): [14:0-3-0,0-3-0)]											
oading	(psf)	Spacing	1-11-4		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
now (Pf)	20.0	Lumber DOL	1.15		BC	0.10	Vert(TL)	n/a	-	n/a	999		
CDL	10.0	Rep Stress Incr	YES		WB	0.27	Horiz(TL)	0.00	10	n/a	n/a		
CLL	0.0*	Code	IRC2021	/TPI2014	Matrix-MR								
CDL	10.0											Weight: 104 lb	FT = 20%
UMBER			1)	Unbalanced	roof live loads have	e been o	considered fo	r		CASE(S) Sta	ndard	
OP CHORD	2x4 SP No.2			this design.									
OT CHORD	2x4 SP No.2		2)		7-16; Vult=130mpl			-					
/EBS	2x4 SP No.3				oh; TCDL=6.0psf; E								
THERS	2x4 SP No.3				closed; MWFRS (e			ne					
RACING					ner(3E) 0-1-12 to 3								
OP CHORD	Structural wood she	eathing directly applied	lor		-12, Corner(3R) 5- to 13-5-12, Corner								
	6-0-0 oc purlins, ex				ver left and right ex								
OT CHORD		/ applied or 10-0-0 oc			osed;C-C for mem			ien					
	bracing.				reactions shown; Li			te					
EACTIONS	· /	8, 11=16-7-8, 12=16-7	,	grip DOL=1.0			00E=1.00 plu						
		8, 14=16-7-8, 15=16-7			ed for wind loads ir	the pla	ane of the true	ss					
		8, 17=16-7-8, 18=16-7	7-8 0)		ids exposed to wind								
	Max Horiz 18=175 (,			Industry Gable Er								
		_C 11), 11=-115 (LC 1			alified building des								
		_C 15), 13=-65 (LC 15		TCLL: ASCE	7-16; Pr=20.0 psf	(roof LL	.: Lum DOL=1	1.15					
		_C 14), 16=-53 (LC 14		Plate DOL=1	.15); Pf=20.0 psf (L	ùm DC	L=1.15 Plate						
		(LC 14), 18=-76 (LC 1		DOL=1.15);	s=1.0; Rough Cat I	B; Fully	Exp.; Ce=0.9);					
		LC 24), 11=234 (LC 3		Cs=1.00; Ct=	=1.10								
	,	LC 21), 13=259 (LC 2	~ DI	Unbalanced	snow loads have b	een cor	sidered for th	nis					
		LC 15), 15=259 (LC 2 LC 20), 17=239 (LC 2	0)	design.								IIIIII	1111
	18=146 ((0)		2x4 MT20 unless							WHILL CA	Dall
ORCES		npression/Maximum	7)		es continuous botto						1	WHTH CA	ino the
ORCES	Tension	npression/maximum	8)		ully sheathed from						A	OVERS	in Alter
OP CHORD		-120/106, 2-3=-92/141			st lateral movemer		iagonal web).				11	1D	Nh. Sin
	,	-143/290, 5-6=-143/29	, J)		spaced at 2-0-0 oc					-			Sull.
	,	-84/142, 8-9=-110/94,	10)		s been designed fo					-	5 B		
	9-10=-99/54	01/112,000-110/01,	44)		ad nonconcurrent w					=	:	SEA	NL : =
OT CHORD		7=-83/90, 15-16=-83/9	0. 11)		nas been designed n chord in all areas			psi				0363	: =
		3=-83/90, 11-12=-83/9			y 2-00-00 wide will					1		0505	22 : :
	10-11=-83/90				y other members.	III Delv	leen the bollo			-		N	
/EBS	5-14=-275/80, 4-15	=-220/97, 3-16=-167/1	06, 12)		hanical connection	(hy oth	ers) of trues to	0		5	3	0363	airs
	2-17=-169/142, 6-1	3=-220/97,	12)		capable of withsta						2.5	NGIN	FERMAN
	7-12=-167/103, 8-1	1=-164/154			ft at joint 10, 65 lb						11	710	- AL
OTES					16, 117 lb uplift at j							IL A C	HLD
-					o uplift at joint 12 ar							A. C	un un
				,,,								lanus	ary 9,2025
												Janua	uy 3,2023

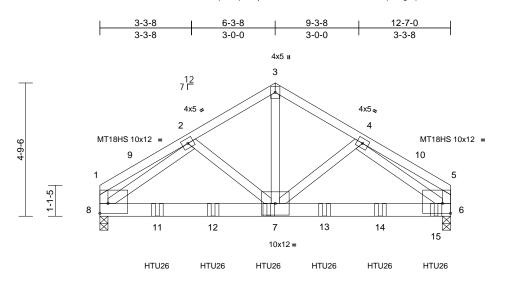
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	C03	Common Girder	1	2	Job Reference (optional)	170611605

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:6pBSHpwX7jo_7xC_HFJ6_UzxSOi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	6-3-8	12-7-0	
	6-3-8	6-3-8	
Scale = 1:41.3			
Plate Offsets (X, Y): [1:Edge,0-4-4], [5:Edge,0-4-4]			

Flate Olisets (, T). [T.Euge,0-4-4],	[5.Euge,0-4-4]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 NO IRC2027	1/TPI2014	CSI TC BC WB Matrix-MSH	0.95 0.66 0.92	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.15 0.02	(loc) 6-7 6-7 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 162 lb	GRIP 244/190 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES	2x6 SP 2400F 2.0E 2x4 SP No.3 *Excep Structural wood she 5-8-6 oc purlins, exx Rigid ceiling directly bracing. (size) 6=0-3-8, 8 Max Horiz 8=-108 (L Max Uplift 6=-498 (L Max Grav 6=5531 (L (lb) - Maximum Com	applied or 10-0-0 oc 3=0-3-8 C 8) C 13), 8=-394 (LC 12 .C 22), 8=4342 (LC 2	f or 5) 6)	Vasd=103mj II; Exp B; En cantilever lef right expose TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. All plates are This truss ha chord live loo	snow loads have b MT20 plates unle as been designed fo ad nonconcurrent v	BCDL=6 envelope d; end v 60 plate (roof LI (Lum DC B; Fully been con ess other or a 10. with any	i.Opsf; h=25ft s) exterior zo vertical left ar grip DOL=1. .: Lum DOL= L=1.15 Plate Exp.; Ce=0. nsidered for t wise indicate 0 psf bottom other live loa	ne; nd 60 1.15 9; 9; his ed. ads.					
TOP CHORD BOT CHORD WEBS	Tension9)* This truss has been designed for a live load of 20.0psfTOP CHORD1-2=-1301/143, 2-3=-4871/473, 3-4=-4871/473, 4-5=-1464/157, 1-8=-763/102, 5-6=-845/1099)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.BOT CHORD7-8=-372/3800, 6-7=-343/376010) One H2.5A Simpson Strong-Tie connectors												
 (0.131"x3" Top chord oc. Bottom ch staggered Web conn Except me All loads a except ifn CASE(S) ; provided t unless oth 	s to be connected toget ') nails as follows: Is connected as follows: lords connected as follows: lords connected as follows: lords connected as follows: 2x4 - amber 3-7 2x4 - 1 row a are considered equally loted as front (F) or based section. Ply to ply conr o distribute only loads lervise indicated. ed roof live loads have h.	s: 2x4 - 1 row at 0-9-0 ows: 2x6 - 3 rows 1 row at 0-9-0 oc, at 0-6-0 oc. applied to all plies, ck (B) face in the LOA nections have been noted as (F) or (B),	12 LC 1)) Use Simpson 14-10dx1 1/2 max. starting connect trus:) Fill all nail ho DAD CASE(S) Dead + Sno Increase=1 Uniform Lo Vert: 1-3 Concentrat Vert: 7=-	ow (balanced): Lun .15	26 (10-1) ent space e left end of bottoo is in cor nber Inc =-19 1 (B), 12	eed at 2-0-0 c d to 12-0-12 t n chord. ntact with lum rease=1.15, 2=-1291 (B),	o ber.		Contraction of the second seco		SEA 0363	22 ER

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	C02	Common	1	1	Job Reference (optional)	170611606

Scale = 1:40.2

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:2fFMZtYTfumXH0mqPXkchlzxSPC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

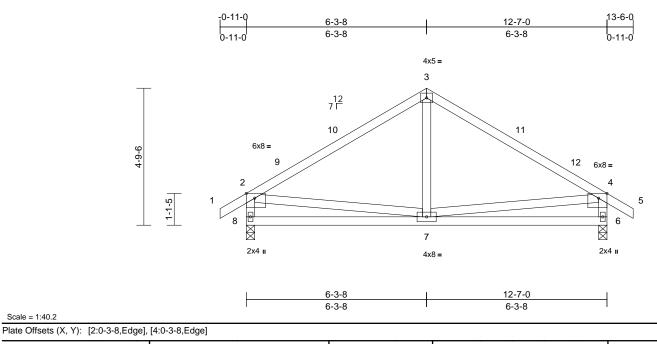


Plate Offsets	(X, Y): [2:0-3-8,Edge],	[4:0-3-8,Edge]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202	21/TPI2014	CSI TC BC WB Matrix-MSH	0.71 0.34 0.12	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.00	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 70 lb	GRIP 244/190 FT = 20%
 this desig Wind: AS Vasd=100 II; Exp 8; and C-C E to 3-3-8, E 10-6-0, E: and right C for men shown; Lu TCLL: AS Plate DOI 	2x4 SP No.2 2x4 SP No.3 *Excep Structural wood shea 6-0-0 oc purlins, exa Rigid ceiling directly bracing. (size) 6=0-3-8, & Max Horiz 8=-129 (L Max Uplift 6=-63 (LC Max Grav 6=646 (LC (lb) - Maximum Com Tension 1-2=0/32, 2-3=-603/ 4-5=0/32, 2-8=-591/ 7-8=-145/362, 6-7=- 3-7=0/231, 2-7=-41/2 ed roof live loads have n. CE 7-16; Vult=130mph Bmph; TCDL=6.0psf; BG Enclosed; MWFRS (en Exterior(2E) 10-6-0 to 13 exposed; end vertical I hobrs and forces & MW umber DOL=1.60 plate CE 7-16; Pf=20.0 psf (L =1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat B	athing directly applie cept end verticals. applied or 10-0-0 oc 3=0-3-8 C 12) 15), 8=-63 (LC 14) C 22), 8=646 (LC 21) pression/Maximum 109, 3-4=-603/109, 161, 4-6=-591/157 106/362 281, 4-7=-45/281 been considered for (3-second gust) CDL=6.0psf; h=25ft; velope) exterior zon 2-1-0, Interior (1) 2-1 3-8, Interior (1) 2-3-8 -6-0 zone; cantilevel eft and right exposed (FRS for reactions grip DOL=1.60 roof LL: Lum DOL=1 um DOL=1.15 Plate	5.2 ed or 6 c 7 8 8 0 L Cat. e -0 3 to r left d;C- .15	 design. This truss ha load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall t chord and ar One H2.5A S recommende UPLIFT at jt(snow loads have to s been designed f per or 1.00 times fl on-concurrent with is been designed in chord in all areas by 2-00-00 wide wi y other members. Simpson Strong-Tie d to connect truss s) 8 and 6. This co t consider lateral for Standard	or great at roof le other lir or a 10. with any for a liv s where Il fit betw e conne to bear onnectio	er of min rooi aad of 20.0 p ve loads. 0 psf bottom other live loa e load of 20. a rectangle veen the bott ctors ng walls due	f live osf on ads. Opsf com		National States		SEA 0363	L 22 EEP. A

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



A. GILIN January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	C01	Common Supported Gable	1	1	Job Reference (optional)	170611607

6-3-8

6-3-8

Carter Components (Sanford, NC), Sanford, NC - 27332

-0-11-0

0-11-0

Run: 8 73 S. Dec. 5 2024 Print: 8 730 S.Dec. 5 2024 MiTek Industries. Inc. Wed Jan 08 10:14:07 ID:5?bAaNJY72NDV5pBn1v9PkzxSPV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

12-7-0

6-3-8

Page: 1

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13-6-0

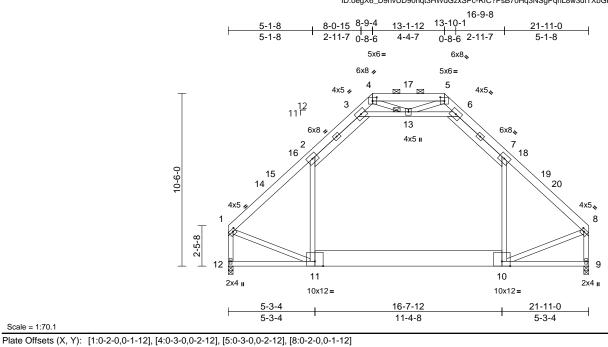
0-11-0

4x5 = 5 12 7 Г 6 4 3 7 4-9-6 17 18 2 8 9 1-1-5 16 10 15 14 13 12 11 12-7-0 Scale = 1:35.1 Loading Spacing 1-11-4 CSI DEFL l/defl L/d PLATES GRIP (psf) in (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.11 Vert(LL) n/a n/a 999 MT20 244/190 BC Snow (Pf) 20.0 Lumber DOL 1 15 0.04 Vert(CT) n/a n/a 999 TCDL 10.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.00 10 n/a n/a BCLL 0.0 Code IRC2021/TPI2014 Matrix-MR BCDL 10.0 Weight: 67 lb FT = 20%LUMBER Wind: ASCE 7-16; Vult=130mph (3-second gust) LOAD CASE(S) Standard 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. TOP CHORD 2x4 SP No.2 II; Exp B; Enclosed; MWFRS (envelope) exterior zone BOT CHORD 2x4 SP No.2 and C-C Corner(3E) -0-11-0 to 2-3-8, Exterior(2N) 2-3-8 2x4 SP No 3 WFBS to 3-3-8, Corner(3R) 3-3-8 to 9-3-8, Exterior(2N) 9-3-8 to OTHERS 2x4 SP No.3 10-3-8, Corner(3E) 10-3-8 to 13-6-0 zone; cantilever left BRACING and right exposed ; end vertical left and right exposed;C-TOP CHORD Structural wood sheathing directly applied or C for members and forces & MWFRS for reactions 6-0-0 oc purlins, except end verticals. shown; Lumber DOL=1.60 plate grip DOL=1.60 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 3) Truss designed for wind loads in the plane of the truss **REACTIONS** (size) 10=12-7-0, 11=12-7-0, 12=12-7-0, only. For studs exposed to wind (normal to the face), 13=12-7-0, 14=12-7-0, 15=12-7-0, see Standard Industry Gable End Details as applicable, 16=12-7-0 or consult qualified building designer as per ANSI/TPI 1. Max Horiz 16=125 (LC 13) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Max Uplift 10=-34 (LC 14), 11=-69 (LC 15), Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate 12=-46 (LC 15), 14=-45 (LC 14), DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; 15=-71 (LC 14), 16=-37 (LC 15) Cs=1.00; Ct=1.10 Max Grav 10=153 (LC 22), 11=223 (LC 22), 5) Unbalanced snow loads have been considered for this 12=244 (LC 22), 13=150 (LC 21), design. 14=244 (LC 21), 15=223 (LC 21), 6) This truss has been designed for greater of min roof live 16=153 (LC 21) load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on FORCES (lb) - Maximum Compression/Maximum overhangs non-concurrent with other live loads. Tension All plates are 2x4 MT20 unless otherwise indicated. 2-16=-135/150, 1-2=0/31, 2-3=-71/70, TOP CHORD Gable requires continuous bottom chord bearing. 8) 3-4=-60/137, 4-5=-89/199, 5-6=-89/199, Truss to be fully sheathed from one face or securely 9) 6-7=-59/139, 7-8=-63/66, 8-9=0/31, braced against lateral movement (i.e. diagonal web). 8-10=-135/142 10) Gable studs spaced at 2-0-0 oc. Variation BOT CHORD 15-16=-58/68, 14-15=-58/68, 13-14=-58/68, 11) This truss has been designed for a 10.0 psf bottom 12-13=-58/68, 11-12=-58/68, 10-11=-58/68 chord live load nonconcurrent with any other live loads. WEBS 5-13=-126/3, 4-14=-207/100, 3-15=-180/111, SEAL 12) * This truss has been designed for a live load of 20.0psf 6-12=-207/97, 7-11=-180/121 on the bottom chord in all areas where a rectangle 036322 NOTES 3-06-00 tall by 2-00-00 wide will fit between the bottom 1) Unbalanced roof live loads have been considered for chord and any other members. this design. 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 16, 34 lb uplift at joint 10, 45 lb uplift at joint 14, 71 lb uplift at joint 15, 46 lb uplift at joint 12 and 69 lb uplift at G joint 11. mmm January 9,2025 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall bilding design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) 818 Soundside Road and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com) Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	B03	Attic	10	1	Job Reference (optional)	170611608

Scale = 1:70.1

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:oegX6_D9nvUD90nqt3HWdGzxSPc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202	1/TPI2014	CSI TC BC WB Matrix-MSH	0.52 0.35 0.36	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.19 0.00	(loc) 10-11 10-11 9 10-11	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 214 lb	GRIP 244/190 FT = 20%
BOT CHORD WEBS NOTES	2.0E 2x4 SP No.3 *Excep 3-2,6-7:2x6 SP No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Brace at Jt(s): 13 (size) 9=0-3.8, 7 Max Horiz 12=-261 (Max Grav 9=1415 (I (Ib) - Maximum Com Tension 1-2=-1440/0, 2-3=-1 4-5=-59/763, 5-6=-2 7-8=-1433/0, 1-12=- 9-12=-263/959 2-11=-51/489, 7-10= 3-13=-1818/231, 6-1 1-11=-4/954, 8-10=- 5-13=-149/262	ot* 11-10:2x12 SP 24(ot* 3-6:2x4 SP No.2, 2 athing directly applied cept end verticals, an -0 max.): 4-5. applied or 10-0-0 oc 12=0-3-8 (LC 10) _C 47), 12=1415 (LC apression/Maximum 027/133, 3-4=-239/56 39/598, 6-7=-1032/12 1479/0, 8-9=-1491/0 =-51/489, 13=-1827/231, 6/956, 4-13=-149/262	00F d or d 3) 47) 5) 60 7) 88, 7) 76, 8) 99, 10 11	Vasd=103mp II; Exp B; En and C-C Extu to 4-6-6, Extu 17-4-10 to 18 cantilever lef right exposed for reactions DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. Provide aded this truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Ceiling dead 6-13; Wall d Bottom chord chord dead h 0) Graphical pu or the orienta	snow loads have l quate drainage to s been designed i da nonconcurrent has been designed n chord in all area y 2-00-00 wide w y other members load (5.0 psf) on ead load (5.0 psf) on ead load (5.0 psf) appli til ve load (40.0 pst) ad (5.0 psf) appli rilin representation rition of the purlin a l. vecked for L/360 d	BCDL=6 envelope 3-1-12, 17-4-10, 18-9-4 + d; end v s and for OL=1.6(f (roof LL (Lum DC B; Fully been cor prevent v for a 10.0 with any f for a liv s where ill fit betv member(on meml sf) and a e does no along the	6.0psf; h=25fi a) exterior zo Interior (1) 3 Interior (1) to to 21-9-4 zor vertical left ar cres & MWFI 0 plate grip L: Lum DOL= 0L=1.15 Plate Exp.; Ce=0. asidered for t water pondin 0 psf bottom other live load of 20. a rectangle veen the bott (s). 2-3, 6-7, ber(s).2-11, 7 dditional botto to to depict the a to p and/or	ne -1-12 ne; nd RS 9; his g. ads. 0psf com 3-13, 7-10 toom				SEA 0363	• -

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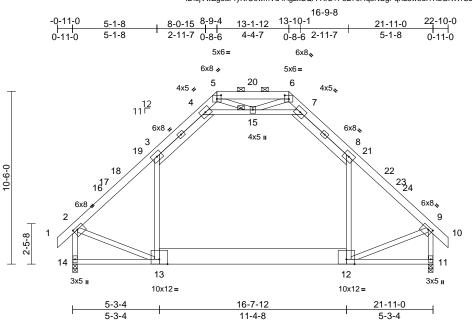
A. GILB

A. GILD January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	B02	Attic	1	1	Job Reference (optional)	170611609

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:07 ID:sjVwZgoaFryKrU0wmVd4AgzxSQA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:70.1 Plate Offsets (X, Y): [2:0-3-0,0-1-12], [5:0-3-0,0-2-12], [6:0-3-0,0-2-12], [9:0-3-0,0-1-12]

	(X, 1). [2.0-5-0,0-1-12	j, [5.0-3-0,0-2-12], [6.	.0-3-0,0-2	-12], [3.0-3-0,0	····							-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC202 ⁻	1/TPI2014	CSI TC BC WB Matrix-MSH	1.00 0.38 0.35	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.22 0.00	(loc) 13-14 12-13 11 12-13	l/defl >999 >999 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 220 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2.0E 2x4 SP No.3 *Excep 4-3,7-8:2x6 SP No.2 Structural wood she		d,	Vasd=103m II; Exp B; En and C-C Ext to 4-6-6, Ext 17-4-10 to 1 zone; cantile and right exp	7-16; Vult=130mp bh; TCDL=6.0psf; I closed; MWFRS (erior(2E) -0-11-0 tc erior(2R) 4-6-6 to 1 9-10-0, Exterior(2E ver left and right e: posed;C-C for mem reactions shown; L 60	BCDL=6 envelope 2-1-0, 17-4-10, 19-10 xposed nbers ar	.0psf; h=25ft e) exterior zou Interior (1) 2- Interior (1) 0 to 22-10-0 ; end vertical d forces &	ne 1-0 left					
BOT CHORD JOINTS REACTIONS	Rigid ceiling directly bracing. 1 Brace at Jt(s): 15	LC 12)	4)	Plate DOL=' DOL=1.15); Cs=1.00; Ct: Unbalanced design.	snow loads have b	Lum DC B; Fully been cor	PL=1.15 Plate Exp.; Ce=0.9	e 9; his					
FORCES	(lb) - Maximum Com Tension		5 40) 5)	load of 12.0	as been designed for psf or 1.00 times fl	at roof l	oad of 20.0 p						
TOP CHORD	1-2=0/43, 2-3=-1440	47/801, 6-7=-230/626 -1433/5, 9-10=0/43,	, ,	Provide ade This truss ha	on-concurrent with quate drainage to p as been designed f ad nonconcurrent v	orevent or a 10. vith any	vater ponding) psf bottom other live loa	ads.				mm	UU17.
BOT CHORD WEBS	11-14=-283/963 3-13=-47/491, 8-12= 4-15=-1852/237, 7-1	-47/491,	8) 256, 9)	on the bottor 3-06-00 tall I chord and ar Ceiling dead	nas been designed n chord in all areas by 2-00-00 wide wil ny other members. load (5.0 psf) on n	s where II fit betv nember	a rectangle veen the bott s). 3-4, 7-8, 4	om 4-15,		4	in the	OR FESS	ROUNT
NOTES 1) Unbalance this design	ed roof live loads have	been considered for) Bottom chor chord dead I) Graphical pu	lead load (5.0psf) of d live load (40.0 ps oad (5.0 psf) applie Irlin representation ation of the purlin a	f) and a ed only f does no	dditional bott o room. 12-1 ot depict the s	om 3		111111		SEA 0363	• –

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



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Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH
25010026-01	B01	Piggyback Base Structural Gable	1	1	Job Reference (optional)

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:RoBf5ajN_ospHzI?c12Rc6zxSRY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

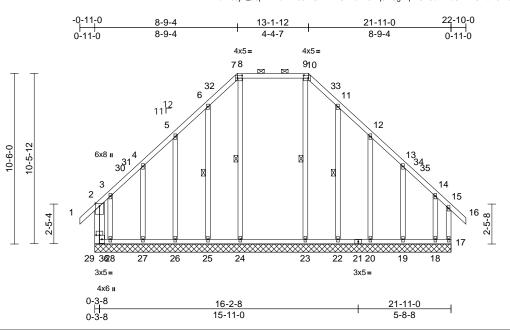


Plate Offsets (X, Y): [7:0-3-8,0-2-0], [10:0-3-8,0-2-0], [29:0-2-8,Edge]

Scale = 1:70.9

GRIP 244/190 b FT = 20% roof LL: Lum DOL=1.1 um DOL=1.15 Plate ; Fully Exp.; Ce=0.9; en considered for this greater of min roof liv t roof load of 20.0 psf ther live loads.
um DOL=1.15 Plate ; Fully Exp.; Ce=0.9; en considered for this greater of min roof live roof load of 20.0 ps
All and the indicated of the event water ponding, therwise indicated. In chord bearing, one face or securely the indicated of the event webs, and the event of th
AL

Continued on page 2 WARNING - Verify

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclings with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DSE2** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbaccomponents.com)

818 Soundside Road Edenton, NC 27932

January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	B01	Piggyback Base Structural Gable	1	1	Job Reference (optional)	170611610
Carter Components (Sanford, NO	C), Sanford, NC - 27332,	Run: 8.73 S Dec 5 2	024 Print: 8.7	730 S Dec 5	2024 MiTek Industries, Inc. Wed Jan 08 10:14:06	Page: 2

- 14) Bearing at joint(s) 29 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 15) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 623 lb uplift at joint 29, 216 lb uplift at joint 17, 20 lb uplift at joint 24, 73 lb uplift at joint 25, 93 lb uplift at joint 26, 69 lb uplift at joint 27, 568 lb uplift at joint 28, 70 lb uplift at joint 22, 93 lb uplift at joint 20, 79 lb uplift at joint 19 and 229 lb uplift at joint 18.
- 16) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 29.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

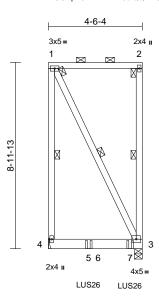
Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:RoBf5ajN_ospHzI?c12Rc6zxSRY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A12	Flat Girder	1	1	I7 Job Reference (optional)	70611611

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:AASGDpA57TkzwIWP68IQQ7zxSTY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



4-6-4

Scale = 1:55.6

Scale = 1:55.6													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 NO IRC2027	1/TPI2014	CSI TC BC WB Matrix-MP	0.99 0.54 0.15	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.00	(loc) 3-4 3-4 3	l/defl >999 >868 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 55 lb	GRIP 244/190 FT = 20%
BOT CHORD Rigid ceilin bracing. WEBS 1 Row at n REACTIONS (size) Max Horiz Max Uplift Max Grav FORCES (lb) - Maxin Tension	00F 2.0E .3 urlins: 1-2, ng directly a nidpt 1 3=0-4-8, 44 4=-286 (LC 3=-435 (LC 3=-1248 (LC mum Comp 342, 1-2=-1 224 325 t=130mph (add the second terms (the second te	C 9), 4=-379 (LC 8) C 21), 4=-831 (LC 22 pression/Maximum 106/81, 2-3=-123/51 (3-second gust) CDL=6.0psf; h=25ft; (velope) exterior zone end vertical left and 0 plate grip DOL=1.60 00f LL: Lum DOL=1. Im DOL=1.15 Plate ; Fully Exp.; Ce=0.9; en considered for this event water ponding. a 10.0 psf bottom h any other live load or a live load of 20.0p where a rectangle it between the bottor	10 11) 12 13 LC 1) Cat. s; 5 5 5 5 5 5 5 5	Provide mec bearing plate 4. One H2.5A S recommende UPLIFT at jt(does not com) or the orient bottom chorc) Use Simpson Truss, Single oc max. stari connect truss) Fill all nail ho) In the LOAD of the truss a DAD CASE(S) Dead + Sno Increase=1 Uniform Lo. Vert: 1-2 Concentrate	n Strong-Tie LUS2 Ply Girder) or eq ing at 1-11-4 from s(es) to back face les where hanger CASE(S) section, ire noted as front (Standard ww (balanced): Lur 15	n (by oth anding 3 e conne s to bear ion is fo s. a does m along the ce (4-100 uivalent t the left of bottol is in con loads a (F) or ba	ers) of truss i 179 lb uplift at ctors ing walls due r uplift only at bt depict the s e top and/or d Girder, 4-10 spaced at 2-1 end to 3-11-2 m chord. ttact with lum pplied to the ck (B).	t joint to nd size Od 0-0 4 to hber. face				SEA 0363	EER BERT

January 9,2025

Page: 1

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A11	Monopitch Supported Gable	1	1	I70611612 Job Reference (optional)	

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:f_ACr1Qht7jMn7uCfH5a5rzxSRx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

17-3-8 _ 17-3-8 3x5 💋 123 11 3x5 💋 26⁹¹⁰ 712 71 8 7 11-2-6 11-2-6 6 Ø 5 ⊠ 4 25 3 1-1-5 4 21 20 18 17 16 15 23 22 19 3x5= 6x12 II 3x5= 17-3-8 || 0-3-4 17-0-4 \mathbf{F} 17-0-4

Scale = 1:67.7

Loading TCLL (nod) (ps) 200 (P) Spacing (P) 1-11-4 Plate Snp DCL CSI (1.15) DEFL (C) 0.04 Var(L) in na (no) (bit) PLATES GRP TCLL (nod) 0.00 Plate Snp DCL 1.15 DC 0.35 Veri(L) na na na 92 TCDL 0.00 Plate Snp DCL 1.15 DC 0.35 Veri(L) na na <th></th>														
ECDL10.0Weight: 138 ib $FT = 20\%$ LUMBER TOP CHORD2x4 SP No.2 $2x4 SP No.2$ $2x4 SP No.3$ $5Cocpt121:42:x4 SP No.2$ $19:20-131/206, 19:22-131/206, 19:22-131/206, 19:20-131/2$	TCLL (roof) Snow (Pf) TCDL	20.0 20.0 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB	0.39	Vert(LL) Vert(CT)	n/a n/a	-	n/a n/a	999 999	-		
 TOP CHORD 2x4 SP No.2 STOCHORD 2x4 SP No.2 ZY4 SP No.3 Except 12-14:2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. EOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Mich ASCE 7-16; Vull=130mph (3-second gust) WEBS 1 NortES WortES Wortes 11: 15-2:1483, 10-17-38, 15-17-28, 15-17-28, 15-17-28, 15-17-18, 15-18, 15-18, 15-18, 15-18, 15-18, 15-18, 15-18, 15-18,					Matrix Mit							Weight: 138 I	o FT = 20%	
	LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 *Exce 2x4 SP No.3 Structural wood sh 6-0-0 oc purlins, e Rigid ceiling directl bracing. 1 Row at midpt (size) 13–17-3 20–17-3 20–17-3 23–17-3 Max Horiz 24–383 Max Uplift 13–-139 15=68 (20=-47 (24–28) Max Grav 13–180 15=234 18=52 (20=-41 (22=-18) 22=161 22=161 22=163 24=424 ((lb) - Maximum Cor Tension 2-24=-293/352, 1-2 3-4=-294/378, 4-5= 6-7=-225/307, 7-8	eathing directly applied xcept end verticals. y applied or 10-0-0 oc 12-14, 11-15, 10-17 	WEBS or NOTES 1) Wind: ASCI Vasd=103n 18, II; Exp B; E and C-C CC 8, to 17-3-8 zc vertical left forces & Mi 3), DOL=1.60 J 2) Truss desig only. For s y see Standa or consult of 3) TCLL: ASC Plate DOL= 1, DOL=1.15) , Cs=1.00; C 3) TCLL: ASC Plate DOL= 1, DOL=1.00;), S=1.00; C 3) TCLL: ASC Plate DOL= 1, DOL=1.00;), Cs=1.00; C 0, 4) Unbalancer design. 5) This truss f load of 12.C overhangs 6) All plates an 3, 7) Gable requ 34, 8) Truss to be braced aga 9) Gable studs 10) This truss f	21-22=-131/206, 19-20=-131/206, 17-18=-131/206, 14-15=-131/206, 14-15=-131/206 11-15=-214/83, 1 8-18=-137/81, 7- 5-21=-138/86, 4- E 7-16; Vult=130m nclosed; MWFRS prner(3E) -0-11-0 t pne); CDL=6.0psf nclosed; MWFRS prner(3E) -0-11-0 t pne); cantilever left and right exposed WFRS for reaction plate grip DOL=1.6 yned for wind loads tuds exposed to w rd Industry Gable uualified building d E 7-16; Pr=20.0 psi ; Is=1.0; Rough Ca t=1.10 d snow loads have has been designed 0 psf or 1.00 times non-concurrent wi re 2x4 MT20 unles ires continuous bo fully sheathed fro inst lateral mover s spaced at 2-0-0 has been designed	20-21=-1 18-19=-1 15-17=-1 0-17=-18 19=-136/8 22=-126/7 nph (3-sec ; BCDL=6 (envelope to 2-1-0, E and right ;C-C for r s shown; 50 s in the pl ind (norm End Deta esigner a: sf (roof Lt f (Lum DC at B; Fully e been cor t for great flat roof lu f nor flat flat roof lu f to or great flat roof lu f to or great flat roof lu t to or her t is so therwi wittom choir m one fac nent (i.e. c oc.	31/206, 31/206, 31/206, 31/206, 4/112, 35, 6-20=-135 (9, 3-23=-266 (9, 3-23=-266 (19, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	5/84, 5/193 t; Cat. ne 2-1-0 nd sss e), able, PI 1. t1.15 e 9; this f live psf on	on t 3-06 cho 12) Bea usir des 13) Pro bea 24, uplii 18, uplii 18, uplii LOAD (he botto 6-00 tall rd and a iring at j ig ANSI. igner sh vide me ring pla 139 lb u ft at join 48 lb up ft at join t 23. CASE(S	om chc by 2-(by 2-(any oth /TPI 1 iould v chanic te capa pilift at j t 15, 4 lift at j t 21, 1) Sta	een designed fo ord in all areas v 00-00 wide will f her members. 13 considers p angle to grain f erify capacity o ial connection (l able of withstan joint 13, 266 lb 3 lb uplift at joir oint 19, 47 lb up 8 lb uplift at joir indard	AR NEFEREN	e ottom alue s to at joint 68 lb at joint 5 lb uplift at

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TRENGINEERING BY A MITEK Affiliate

818 Soundside Road Edenton, NC 27932

January 9,2025

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A10	Monopitch	3	1	Job Reference (optional)	170611613

Run; 8.73 S Dec 5 2024 Print; 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:7vC9UZEfeCidsgf7jwpqRTzxSSB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

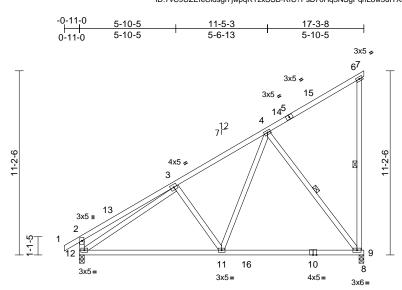
17-3-8

H 0-3-4

17-0-4

8-4-8

Page: 1



Sca	le –	1.70	

				_								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.23	9-11	>888	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.34	9-11	>591	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	9	n/a	n/a		
BCLL	0.0*	Code	IRC2021/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 116 lb	FT = 20%
	LUMBER 4) This truss has been designed for greater of min roof live											
LUMBER			4) This truss r	ias been designed	for great	er or min roo	i iive					

2x4 SP No.2
2x4 SP No.2
2x4 SP No.3 *Except* 6-9:2x4 SP No.2
Structural wood sheathing directly applied or
6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc
bracing.
1 Row at midpt 6-9, 4-9
(size) 9=0-3-8, 12=0-3-8
Max Horiz 12=395 (LC 11)
Max Uplift 9=-175 (LC 14), 12=-62 (LC 14)
Max Grav 9=924 (LC 25), 12=822 (LC 30)
(lb) - Maximum Compression/Maximum
Tension
1-2=0/32, 2-3=-417/120, 3-4=-828/160,
4-6=-216/178, 6-7=-13/0, 6-9=-261/69,
2-12=-397/137
11-12=-168/976, 9-11=-123/591, 8-9=0/0
3-11=-283/195, 4-11=-61/637, 4-9=-804/216,

NOTES

- Wind: ASCE 7-16; Vult=130mph (3-second gust) 1) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 14-3-8, Exterior(2E) 14-3-8 to 17-3-8 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 2) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this 3) design.

- load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 6)
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 12. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard

8-7-12

8-7-12



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

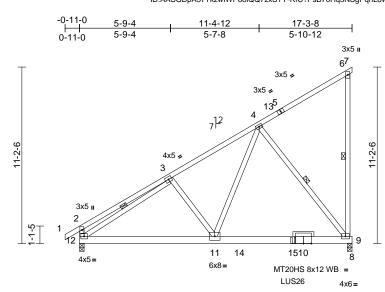


Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A09	Monopitch Girder	1	1	I7 Job Reference (optional)	70611614

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:AASGDpA57TkzwIWP68IQQ7zxSTY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

17-3-8 || 0-3-4

Page: 1



8-7-0	17-0-4
8-7-0	8-5-4

Scale =	1.73.1

Scale = 1.73.1								
BCDL 10.0	TC BC WB Matrix-MSH	0.68 V 0.68 V 0.44 H	DEFL in Vert(LL) 0.22 Vert(CT) -0.27 Horz(CT) 0.01	9-11 9-11	l/defl >940 >744 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS Weight: 131 lb	GRIP 244/190 187/143 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP 2400F 2.0E WEBS 2x4 SP No.3 *Except* 6-9:2x4 SP No.2 OTHERS 2x4 SP No.3 *Except* 6-9:2x4 SP No.2 OTHERS 2x4 SP No.3 *Except* 6-9:2x4 SP No.2 BRACING TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-6-8 oc bracing. WEBS 1 Row at midpt 6-9, 3-12, 4-9 REACTIONS (size) 9=0-3-8, 12=0-3-8 Max Horiz 12=392 (LC 33) Max Horiz 12=392 (LC 34) Max Grav 9=1549 (LC 22), 12=984 (LC 22) 12=984 (LC 22)	 This truss has been designe load of 12.0 psf or 1.00 time overhangs non-concurrent w All plates are MT20 plates u This truss has been designe chord live load nonconcurrer * This truss has been design on the bottom chord in all ar 3-06-00 tall by 2-00-00 wide chord and any other membe One H2.5A Simpson Strong recommended to connect tru UPLIFT at jt(s) 9 and 12. Th and does not consider latera Use Simpson Strong-Tie LU Truss, Single Ply Girder) or 	s flat roof load ith other live nless otherwii d for a 10.0 p 1t with any other ed for a live l eas where a 1 eas where a 1 will fit betwee rs, with BCDI -Tie connecto uss to bearing is connection 1 forces. S26 (4-10d G	d of 20.0 psf on loads. ise indicated. osf bottom ther live loads. load of 20.0psf rectangle en the bottom L = 10.0psf. ors g walls due to n is for uplift only Sirder, 3-10d					
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/32, 2-3=-322/185, 3-4=-1224/279, 4-6=-216/125, 6-7=-13/0, 6-9=-261/70, 2-12=-354/166	 the left end to connect truss chord. 10) Fill all nail holes where hang 11) In the LOAD CASE(S) section of the truss are noted as from 	er is in conta on, loads appl	act with lumber. lied to the face					
BOT CHORD 11-12=.322/1163, 9-11=-210/671, 8-9=0/0 WEBS 3-12=-1157/201, 4-9=-1018/353, 4-11=-276/1057, 3-11=-202/232	LOAD CASE(S) Standard 1) Dead + Snow (balanced): I Increase=1.15						mmm	999
NOTES 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60	Uniform Loads (Ib/ft) Vert: 1-2=-60, 2-6=-60, 6 Concentrated Loads (Ib) Vert: 15=-594 (B)	8-7=-60, 8-12:	2=-20		4	i	OP FESS	
 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. 					1110 States	A A A A A A A A A A A A A A A A A A A	0363	

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 2) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.



GI 111111111 January 9,2025

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A08	Jack-Closed	2	1	I7 Job Reference (optional)	70611615

12 7Γ 3x5 🍫

6-9-0

6-9-0

Carter Components (Sanford, NC), Sanford, NC - 27332

Scale = 1:57.3

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD BOT CHORD

2x4 SP No 2

2x4 SP No 2

2x4 SP No.3

bracing.

Tension

TCDL

BCLL

BCDL

WEBS

WEBS

FORCES

TOP CHORD

BOT CHORD

DOI = 1.60

design.

Cs=1.00: Ct=1.10

WEBS

NOTES

2)

3)

BRACING

TOP CHORD

BOT CHORD

REACTIONS (size)

Run: 8 73 S. Dec. 5 2024 Print: 8 730 S.Dec. 5 2024 MiTek Industries. Inc. Wed. Jan 08 10:14:06 ID:PdzFY44300k6z3useTcY5RzxSTg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x6 🎜

3x5 II 5

13-6-0

6-9-0

12 11

Page: 1

818 Soundside Road

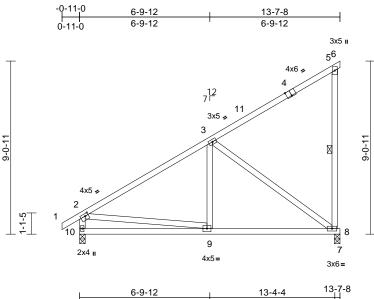
Edenton, NC 27932

3 8-11-13 10 8-11-13 4x5 🍫 2 1-1-5 8 6 × 7 3x5= 2x4 II 4x5= 6-9-0 13-6-0 6-9-0 6-9-0 Plate Offsets (X, Y): [2:0-2-0,0-1-12], [4:0-3-0,Edge] PLATES Spacing 2-0-0 CSI DEFL in l/defl L/d GRIP (psf) (loc) 20.0 Plate Grip DOL 1.15 тс 0.87 Vert(LL) -0.05 6-7 >999 240 MT20 244/190 20.0 Lumber DOL 1.15 BC 0.44 Vert(CT) -0.10 6-7 >999 180 10.0 Rep Stress Incr YES WB Horz(CT) 0.76 0.01 6 n/a n/a 0.0 Code IRC2021/TPI2014 Matrix-MSH Weight: 86 lb 10.0 FT = 20% 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom 5) chord live load nonconcurrent with any other live loads. 6) * This truss has been designed for a live load of 20.0psf Structural wood sheathing directly applied or on the bottom chord in all areas where a rectangle 6-0-0 oc purlins, except end verticals. 3-06-00 tall by 2-00-00 wide will fit between the bottom Rigid ceiling directly applied or 10-0-0 oc chord and any other members. All bearings are assumed to be User Defined . 1 Row at midpt 5-6 8) Refer to girder(s) for truss to truss connections. 6= Mechanical, 8=0-3-8 9) Provide mechanical connection (by others) of truss to Max Horiz 8=316 (LC 11) bearing plate capable of withstanding 79 lb uplift at joint Max Uplift 6=-79 (LC 11), 8=-42 (LC 14) Max Grav 6=680 (LC 21), 8=630 (LC 21) 10) One H2.5A Simpson Strong-Tie connectors (lb) - Maximum Compression/Maximum recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and 2-8=-571/135, 1-2=0/32, 2-3=-670/96, does not consider lateral forces. 3-5=-209/160, 5-6=-269/72 LOAD CASE(S) Standard 7-8=-308/490, 6-7=-109/575 2-7=-34/349, 3-7=0/279, 3-6=-605/128 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 9-1-5, Exterior(2R) 9-1-5 to 13-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for SEAL reactions shown; Lumber DOL=1.60 plate grip 036322 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Unbalanced snow loads have been considered for this G mmm January 9,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall a futs system. Denote use, the building designer inder very the applications of design had needed an intervent with a policitation of the system of the state of the system of the syste and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A07	Monopitch	5	1	Job Reference (optional)	170611616

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:06 ID:bTczH0?IQAzyF8RjICV8rAzxSTm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	
Plate Offsets (X, Y): [2:0-2-0,0-1-8],	[4:0-3-0,Edge]									
Scale = 1:60.3				6-9-12	6-6-8		0-3-4				
				0-3-12	13-4-4	-					

Loading (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
Snow (Pf) 20.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.09	8-9	>999	180		
TCDL 10.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.01	8	n/a	n/a		
BCLL 0.0*	Code	IRC2021/TPI2014	Matrix-MSH								
BCDL 10.0										Weight: 87 lb	FT = 20%
BOT CHORD 6-0-0 oc purlins, e: Rigid ceiling directly bracing. WEBS 1 Row at midpt REACTIONS (size) 8=0-3-8, Max Horiz 10=318 (Max Uplift 8=-140 (v applied or 10-0-0 oc 5-8 10=0-3-8	or 6) * This truss his chord live lo overhangs r chord live lo or 6) * This truss on the botto 3-06-00 tall chord and a 7) One H2.5A recommend UPLIFT at jt and does no	as been designed fo psf or 1.00 times fla on-concurrent with of as been designed fo ad nonconcurrent w has been designed for m chord in all areas by 2-00-00 wide will ny other members. Simpson Strong-Tie ed to connect truss to (s) 10 and 8. This co t consider lateral for Standard	troof k other liv or a 10.0 ith any for a liv where fit betw connectio bear	bad of 20.0 p ve loads. D psf bottom other live loa e load of 20. a rectangle veen the bott ctors ing walls due	ads. Opsf com					
	npression/Maximum										
Tension	ipression/waximum										
TOP CHORD 1-2=0/32, 2-3=-658	/117. 3-5=-210/167.										
	/73, 2-10=-565/158										
BOT CHORD 9-10=-311/567, 8-9	=-108/606, 7-8=0/0										
WEBS 3-9=0/278, 3-8=-63	4/189, 2-9=-48/321										
NOTES										MILLIN	11111
 Wind: ASCE 7-16; Vult=130mpl Vasd=103mph; TCDL=6.0psf; E II; Exp B; Enclosed; MWFRS (e and C-C Exterior(2E) -0-11-0 to to 10-7-8, Exterior(2E) 10-7-8 to left and right exposed ; end veri exposed;C-C for members and reactions shown; Lumber DOL= DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (I DOL=1.15); Is=1.0; Rough Cat Cs=1.00; Ct=1.10 Unbalanced snow loads have b design. 	CDL=6.0psf; h=25ft; C nvelope) exterior zone 2-1-0, Interior (1) 2-1-(13-7-8 zone; cantileve ical left and right forces & MWFRS for 1.60 plate grip (roof LL: Lum DOL=1.1 cum DOL=1.15 Plate 3; Fully Exp.; Ce=0.9;) er 5						(N. CHILLES		SEA 0363	EER A

January 9,2025

ENGINEERING BY AMITEK Affiliation

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A06	Common	3	1	I7061 Job Reference (optional)	11617

Loading

TCLL (roof)

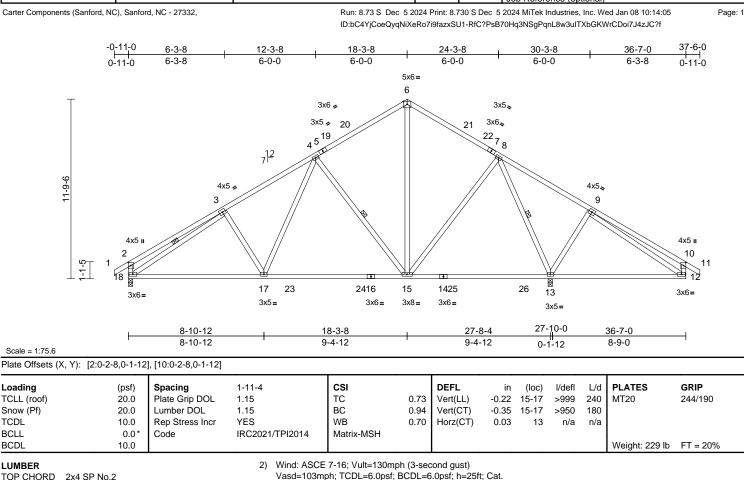
Snow (Pf)

LUMBER

TCDL

BCLL

BCDL



TOP CHORD 2x4 SP No 2 BOT CHORD II; Exp B; Enclosed; MWFRS (envelope) exterior zone 2x4 SP No.2 and C-C Exterior(2E) -0-11-0 to 2-8-14, Interior (1) WEBS 2x4 SP No.3 *Except* 15-6:2x4 SP No.2 2-8-14 to 14-7-10, Exterior(2R) 14-7-10 to 21-11-6, BRACING Interior (1) 21-11-6 to 33-10-2, Exterior(2E) 33-10-2 to TOP CHORD Structural wood sheathing directly applied or 37-6-0 zone; cantilever left and right exposed ; end 4-5-9 oc purlins, except end verticals. vertical left and right exposed;C-C for members and BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. WEBS 1 Row at midpt 4-15, 8-13, 3-18 3) **REACTIONS** (size) 13=0-3-8, 18=0-3-8 Max Horiz 18=-284 (LC 12) Max Uplift 13=-192 (LC 15), 18=-132 (LC 14) Cs=1.00; Ct=1.10 Max Grav 13=2126 (LC 3), 18=1185 (LC 25) 4) FORCES (Ib) - Maximum Compression/Maximum desian. Tension 5) TOP CHORD 1-2=0/31, 2-3=-495/150, 3-4=-1560/215, 4-6=-844/183, 6-8=-844/208, 8-9=-208/760, 9-10=-266/231, 10-11=0/31, 2-18=-444/155, 6) 10-12=-320/188 BOT CHORD 17-18=-220/1369, 15-17=-102/1033, 7) 13-15=-70/254, 12-13=-393/275 WEBS 3-17=-223/187, 4-17=-50/598, 4-15=-741/234, 6-15=-93/428, 8-15=-31/755, 8-13=-1779/301, 9-13=-434/211, 8) 3-18=-1224/35, 9-12=-437/693 NOTES 1) Unbalanced roof live loads have been considered for this design.

- forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live
- load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle
- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. One H2.5A Simpson Strong-Tie connectors
- recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 18. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



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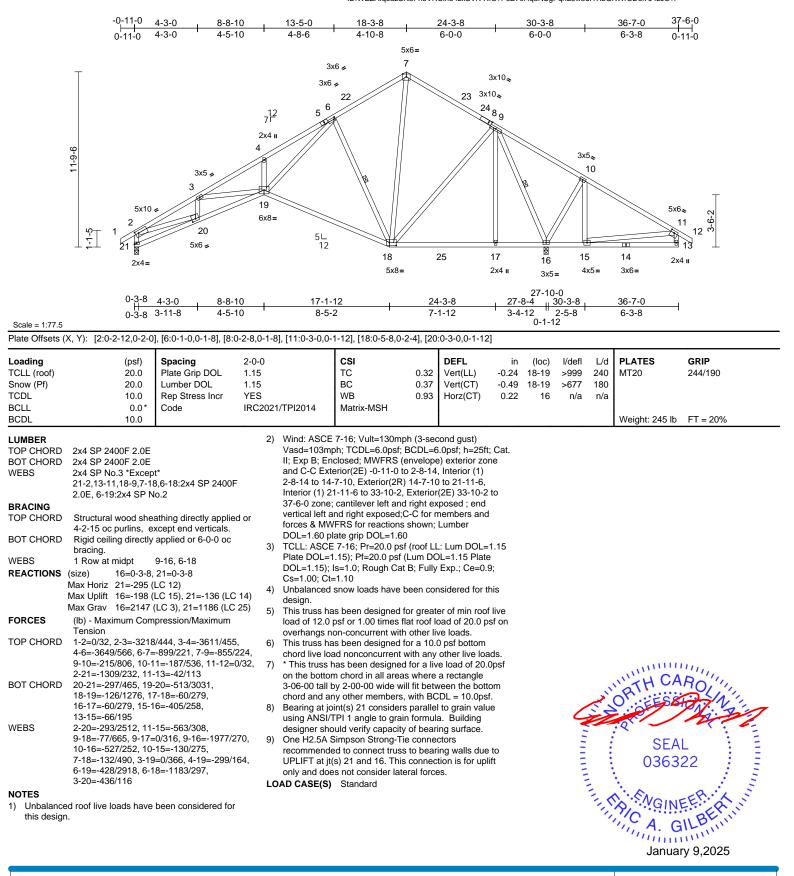
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A05	Roof Special	2	1	I706116 Job Reference (optional)	18

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:05 ID:WEZAIqoazSN8FnoVRCiho4zxSVK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

818 Soundside Road

Edenton, NC 27932



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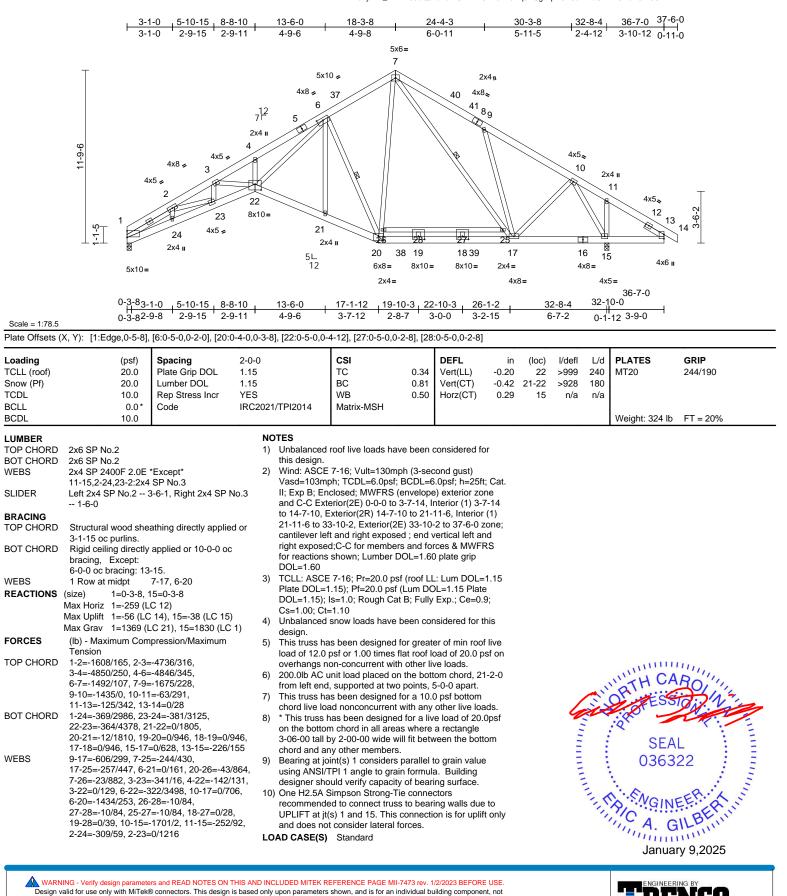
Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A04-B	Roof Special	2	1	Job Reference (optional)	70611619

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:05 ID:1cFyzAx_E7z?n60uQsxaYczxSXk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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818 Soundside Road

Edenton, NC 27932



Design valid for use only with MITeK so connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclasse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A04	Roof Special	4	1	Job Reference (optional)	170611620

25010026-0	1 A04		Roof Sp	pecial		4	1	Jo	b Refer	ence (op	tional)		1100110
Carter Compone	nts (Sanford, NC), Sanfor	d, NC - 27332,	•									ed Jan 08 10:14:05 VrCDoi7J4zJC?f	F
	-0-11-0 3	-1-0 _ 5-10-15 _	8-8-10	13-6-0	18-3-8		24-4-3		30-3-8		32-8-4	36-7-0 37-	-6-0
	0-11-0 3	<u>-1-0 5-10-15</u> -1-0 2-9-15	2-9-11	13-6-0 4-9-6	4-9-8	1	24-4-3 6-0-11	1	5-11-5	1	2-4-12	<u>36-7-0</u> 37- 3-10-12 0-1	
						5x6=							
						8							
	9-0-1- 1 2 1 6x10	4x8 = 4 4x5 = 3 3 25 2x4 II	7 ² 2x4 = 5 5 = 0 23 24 8x10=	4x8 = 6	222 2x4 II	27 29 27 29 21 39 20 5x8= 8x10 2x4=	42	2x4	18 = 4x8=	\sim	17 4x8=	2x4 ⊪ 12 4x5≈ 13 1 16 4x6 x5= 36-7-0	4 15 -9-8 #
Scale = 1:78.5	0-3-83 H 0-3-84	<u>3-1-0 5-10-15</u> 2-9-8 2-9-15	8-8-10 2-9-11	<u>13-6-0</u> 4-9-6	<u>17-1-12</u> 3-7-12	19-10-3 2 2-8-7	2 <u>2-10-3 2</u> 3-0-0 3	6-1-2 -2-15	<u> </u>	<u>32-8-4</u> 6-7-2		-10-0 # 1-12 3-9-0	
Plate Offsets (2	X, Y): [2:Edge,0-0-0],	[7:0-5-0,0-2-0], [21	:0-4-0,0-3-8], [23:0-5-0,0	-4-12], [28:0-5	-0,0-2-8], [29	:0-5-0,0-2-8]						
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2021	/TPI2014	CSI TC BC WB Matrix-MSH	0.34 0.81 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.20 -0.42 0.29	(loc) 23 22-23 16	l/defl >999 >930 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 327 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD		SP No.3 3-6-1, Right 2x4 SF athing directly appl	1) 2) P No.3 ied or	this design. Wind: ASCI Vasd=103m II; Exp B; E and C-C Ex 2-8-14 to 14 Interior (1) 2 37-6-0 zone vertical left forces & MW	d roof live load: E 7-16; Vult=1; ph; TCDL=6.(nclosed; MWF terior(2E) -0-1 4-7-10, Exterio 21-11-6 to 33- 2; cantilever lef and right expo WFRS for reac	30mph (3-sec)psf; BCDL=6 RS (envelope 1-0 to 2-8-14 r(2R) 14-7-10 10-2, Exterior t and right ex sed;C-C for n tions shown;	cond gust) 6.0psf; h=25f e) exterior zo , Interior (1) 0 to 21-11-6, (2E) 33-10-2 cposed ; end nembers and	t; Cat. ne to				Gigini. OZ / ID	

	20 0,0 24	, 12 10.27	+ 01 110.0			
SLIDER	Left 2x4 S 1-6-0	SP No.2	3-6-1, Righ	nt 2x4 SP No.3		II; E and
BRACING	100					2-8-
TOP CHORD	Structural	wood ch	oothing dire	ectly applied or		Inte
TOF CHORD	3-2-0 oc p		eanning une	city applied of		37-6
BOT CHORD			y applied or	10-0-0 00		verti
BOT ONORD	bracing,		y applied of	10 0 0 00		force
	6-0-0 oc b		4-16			DOL
WEBS	1 Row at		8-18, 7-21	1	3)	TCL
REACTIONS	(size)		16=0-3-8			Plat
	Max Horiz	,				DOL
	Max Uplift	(,	38 (I C 15)		Cs=
			,,	=1829 (LC 1)	4)	Unb
FORCES			. ,,	()		desi
FURGES	(ID) - Max Tension	imum Co	mpression/I	viaximum	5)	This
TOP CHORD		2-3150	1/16/ 3-/-	-4726/316,		load
			'=-4839/344		C)	over
			0=-1674/22		6)	200. from
		,	-12=-63/291	,	7)	This
		,	4-15=0/28	,	')	choi
BOT CHORD		,	4-25=-381/3	3110.	8)	* Th
	23-24=-36	53/4368, 2	22-23=0/18	03,	0)	on t
	21-22=-12	2/1808, 20	0-21=0/945	19-20=0/945,		3-06
	18-19=0/9	945, 16-18	8=0/628, 14	-16=-226/155		choi
WEBS	10-18=-60	06/299, 8·	-26=-244/43	30,	9)	Bea
	18-26=-25	57/447, 7	-22=0/161, 2	21-27=-43/862,	,	usin
		,	. , .	5-23=-142/131,		desi
				11-18=0/706,	10)	One
		,	7-29=-10/84	,		reco
		,	,	9-28=0/28,		UPL
		,	,	-25=-310/59,		and
	3-24=0/12	222, 12-10	6=-252/92		LO	AD C

L=1.60 plate grip DOL=1.60 LL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 te DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate L=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; =1.00; Ct=1.10

- balanced snow loads have been considered for this sign.
- is truss has been designed for greater of min roof live d of 12.0 psf or 1.00 times flat roof load of 20.0 psf on erhangs non-concurrent with other live loads.
- 0.0lb AC unit load placed on the bottom chord, 21-2-0 m left end, supported at two points, 5-0-0 apart.
- s truss has been designed for a 10.0 psf bottom
- ord live load nonconcurrent with any other live loads. his truss has been designed for a live load of 20.0psf the bottom chord in all areas where a rectangle 6-00 tall by 2-00-00 wide will fit between the bottom ord and any other members.
- aring at joint(s) 2 considers parallel to grain value ng ANSI/TPI 1 angle to grain formula. Building signer should verify capacity of bearing surface.
- e H2.5A Simpson Strong-Tie connectors ommended to connect truss to bearing walls due to LIFT at jt(s) 2 and 16. This connection is for uplift only d does not consider lateral forces.

CASE(S) Standard



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818 Soundside Road

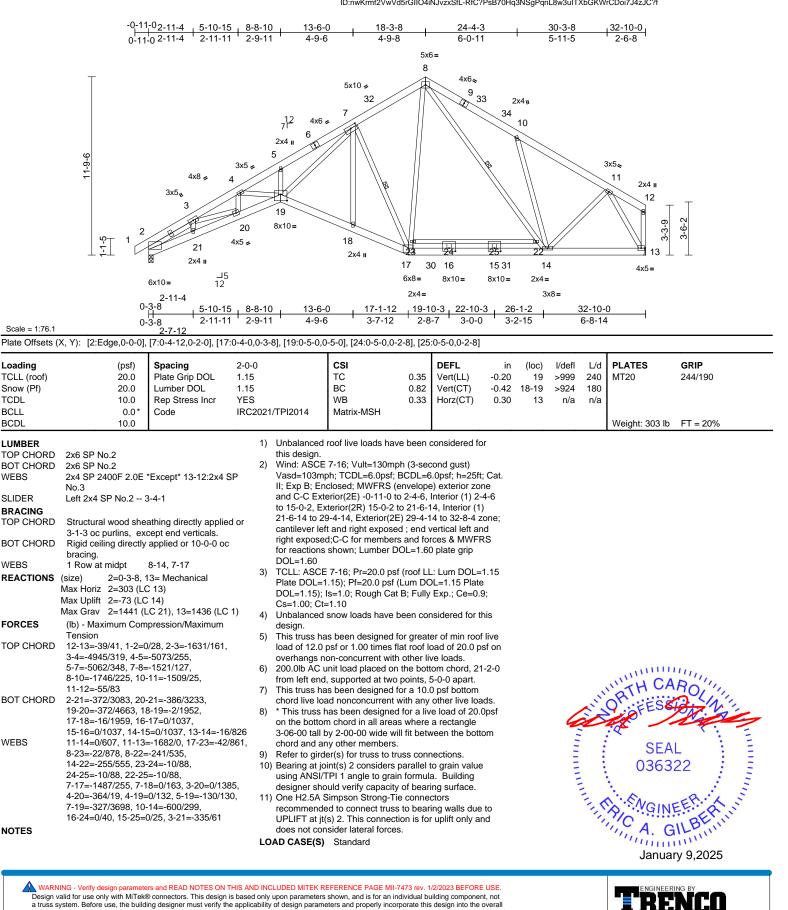
Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A03	Roof Special	2	1	Job Reference (optional)	70611621

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:05 ID:nwKrmf2VwVd5rGIIO4iNJvzxSfL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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bilding design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

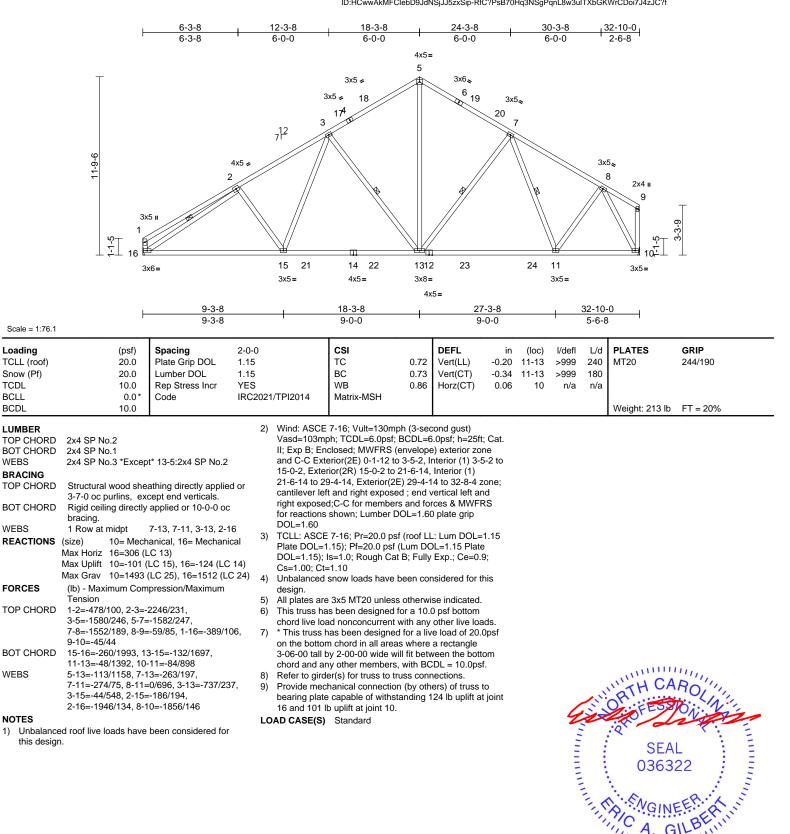


818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A02	Common	6	1	I7061 Job Reference (optional)	11622

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:04 ID:HCwwAkMFClebD9JdNSjJJ5zxSip-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



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ENGINEERING BY

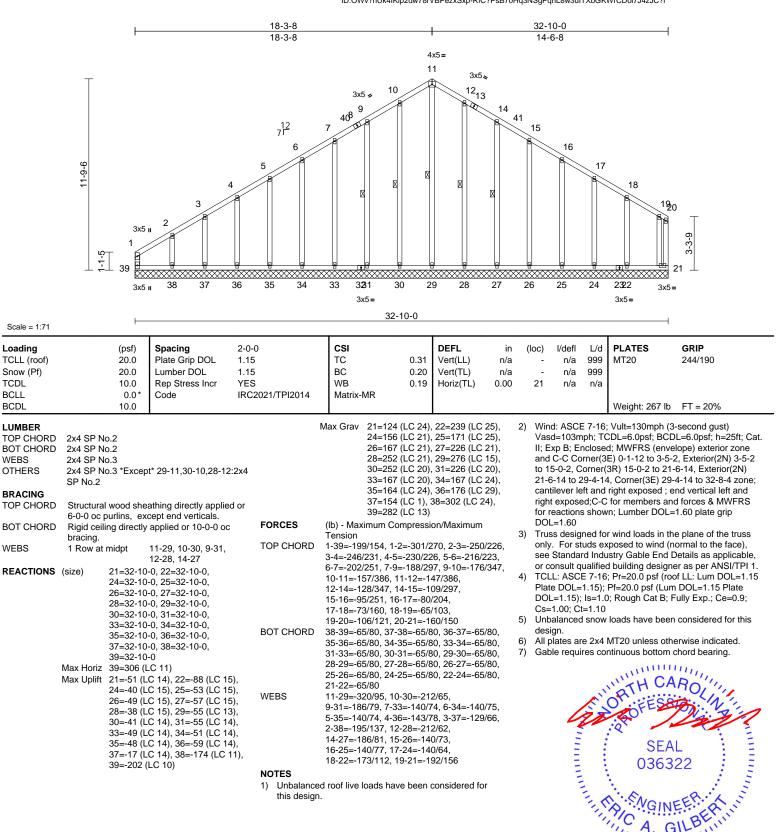
January 9,2025

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	129 Hidden Lakes North-Roof-Plan 4 GLH	
25010026-01	A01	Common Supported Gable	1	1	Job Reference (optional)	170611623

Run; 8,73 S Dec 5 2024 Print; 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 08 10:14:03 ID:OWv?hUk4IKip2dw78rVBPezxSxp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Continued on page 2

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818 Soundside Road

Edenton, NC 27932

munn January 9,2025

Job	Truss	Truss Type Qty Ply 129 Hidden Lakes North-Roof-Plan 4 G		129 Hidden Lakes North-Roof-Plan 4 GLH		
25010026-01	A01	Common Supported Gable	1	1	Job Reference (optional)	170611623
Carter Components (Sanford, NO	C), Sanford, NC - 27332,	Run: 8.73 S Dec 5 2	Page: 2			

ID:OWv?hUk4IKip2dw78rVBPezxSxp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Carter Components (Sanford, NC), Sanford, NC - 27332,

- Truss to be fully sheathed from one face or securely 8) braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc. 9)

chord and any other members.

- 10) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom

LOAD CASE(S) Standard

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