

Trenco 818 Soundside Rd Edenton, NC 27932

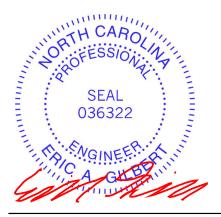
Re: 3769884 Longleaf A - Lot 3 - Fairground Farms

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

Pages or sheets covered by this seal: I62260033 thru I62260044

My license renewal date for the state of North Carolina is December 31, 2023.

North Carolina COA: C-0844



November 29,2023

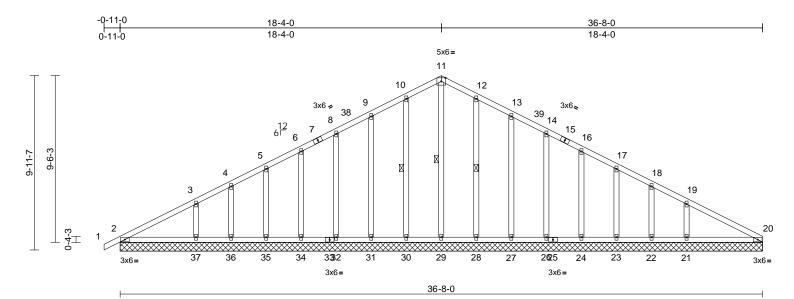
Gilbert, Eric

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		Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A01	Common Supported Gable	1	1	Job Reference (optional)	162260033

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:05 ID:QoOnpU5Aiic4YwNiThnLXUz46FF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:65.8

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Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014 TOP CHORD	,	,	,	in n/a n/a 0.01					greater of min roof li	
TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc purlins. Rigid ceiling directly bracing.	athing directly applied applied or 10-0-0 oc	^{i or} BOT CHORD	4-5=-84/107, 5-6 8-9=-47/181, 9-1 11-12=-65/220, 13-14=-49/134, 17-18=-34/42, 1 2-37=-11/143, 3 34-35=-11/143, 3 31-32=-11/143, 3	10=-58/206 12-13=-59, 14-16=-43, 8-19=-74/2 6-37=-11/1 32-34=-11, 30-31=-11,	5, 10-11=-64/2 /179, /92, 16-17=-44 /3, 19-20=-124 /43, 35-36=-1 /143, /143,	5/68, 8/63 1/143,	ove 7) All 8) Gal 9) Gal 10) This cho 11) * Th	rhangs i olates ar ole requi ole studs s truss h rd live lo nis truss	non-co re 2x4 res col s space as bee bad nor has be	ncurrent with oth MT20 unless oth ntinuous bottom ed at 2-0-0 oc. en designed for anconcurrent with een designed for	nerwise indicated. chord bearing. a 10.0 psf bottom a any other live loads r a live load of 20.0p	ls.
	22=36-8-0 26=36-8-0 29=36-8-0 32=36-8-0	11-29, 10-30, 12-28 20=36-8-0, 21=36-8- 0, 23=36-8-0, 24=36-8 0, 30=36-8-0, 28=36-8 0, 30=36-8-0, 31=36-8 0, 34=36-8-0, 35=36-8 0, 37=36-8-0 C 12)	3-0, 3-0, ^{3-0,} WEBS	29-30=-11/143, ; 27-28=-11/143, ; 24-26=-11/143, ; 22-23=-11/143, ; 20-21=-11/143, ; 11-29=-160/0, 11 8-32=-142/72, 6 4-36=-74/44, 3-5 13-27=-199/76.	26-27=-11, 23-24=-11, 21-22=-11, 0-30=-215, -34=-130/7 37=-268/14	/143, /143, /70, 9-31=-19 /1, 5-35=-146, /3, 12-28=-21	/79,	3-0 cho 12) All 1 cap 13) Pro bea 2, 4	6-00 tall rd and a bearings acity of vide me ring plat 6 lb upli	by 1-0 iny oth are as 565 ps chanic te capa ft at joi	0-00 wide will fit er members, wit ssumed to be SF i. al connection (b able of withstand nt 30, 51 lb uplit	here a rectangle between the botton th BCDL = 10.0psf. P No.2 crushing y others) of truss to ling 17 lb uplift at joi t at joint 31, 48 lb 34, 54 lb uplift at jo	int
	24=-48 (L 27=-52 (L 30=-46 (L 32=-48 (L	: 13), 21=-109 (LC 13 C 13), 23=-54 (LC 13 C 13), 26=-48 (LC 13 C 13), 28=-43 (LC 13 C 12), 31=-51 (LC 12 C 12), 34=-48 (LC 12 C 12), 36=-26 (LC 12),), NOTES), 1) Unbalanco), this desigu), 2) Wist AC	16-24=-129/71, 18-22=-67/39, 1 ed roof live loads h	17-23=-14 9-21=-281, ave been o	8/80, /151 considered for	r	35, upli 26,	26 lb up ft at join 48 lb up	lift at jo t 28, 52 lift at jo	oint 36, 104 lb u 2 lb uplift at joint	plift at joint 37, 43 lb 27, 48 lb uplift at jo lift at joint 23, 22 lb	С
	37=-104 (Max Grav 2=228 (LC 21=384 (L 23=200 (L 26=219 (L 28=273 (L 30=272 (L 32=216 (L	LC 12) C 19), 20=158 (LC 20, C 20), 22=77 (LC 1), C 6), 24=209 (LC 4), C 6), 27=260 (LC 6), C 6), 29=260 (LC 25, C 5), 31=256 (LC 5), C 5), 34=209 (LC 4), C 5), 36=85 (LC 1),	 Vasd=103 Cat. II; Ex zone; can DOL=1.6(3) Truss des only. For see Stanc or consult 4) TCLL: AS DOL=1.15 	Simph; TCDL=6.0ps p B; Enclosed; MW tillever left and righ) plate grip DOL=1. signed for wind loa studs exposed to v lard Industry Gable qualified building o CE 7-10; Pr=20.0 p 5 Plate DOL=1.15);	VFRS (env t exposed .60 ds in the p wind (norm e End Deta designer as osf (roof liv Pg=30.0 p	elope) exterio ; Lumber lane of the tru al to the face) ils as applicat s per ANSI/TF re load: Lumbosf (ground	r Iss), ble, Pl 1. er		Willing	27	SEA 0363	L B22 BLBERT	
FORCES	(lb) - Maximum Com Tension	pression/Maximum	Plate DOL Ct=1.10	=23.1 psf (flat roof _=1.15); Category I ed snow loads hav	ll; Exp B; F	Partially Exp.;					A. C	EEER. KININ	



November 29,2023

Continued on page 2 Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTER REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTeR% 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 **ANSUTPH Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) with the Section of the prevent collapse contervent for the Sectional temporation (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	Longleaf A - Lot 3 - Fairground Farms	10000000	
3769884	A01	Common Supported Gable 1		1	Job Reference (optional)	162260033	
Builders FirstSource (Albermarle), Albemarle, NC - 28001,	Run: 8.63 S Nov 1 2	Page: 2				

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:05 ID:QoOnpU5Aiic4YwNiThnLXUz46FF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

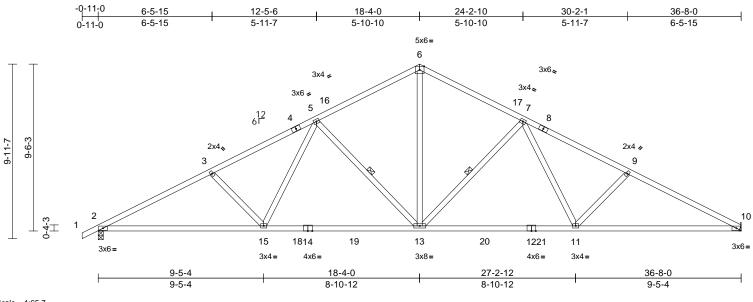
LOAD CASE(S) Standard

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 Information. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A02	Common	5	1	Job Reference (optional)	162260034

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:08 ID:k1?QGZcD1QUCgH?wr82ue3z46DH-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



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Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.87 0.96 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	-0.46 0.13	(loc) 11-13 10-11 10	l/defl >999 >948 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 188 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD	2x4 SP No.1 *Excep 2x4 SP No.3 Structural wood she Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-3-8, 7 Max Horiz 2=168 (LC Max Uplift 2=-194 (L Max Grav 2=1643 (L (lb) - Maximum Com Tension	t* 14-12:2x4 SP No athing directly appli applied or 2-2-0 oc 5-13, 7-13 10= Mechanical C 12) C 12), 10=-172 (LC LC 1), 10=1570 (LC ppression/Maximum	.2 6) ed. 7) 8) 13) 9) 1) 10	load of 12.0 overhangs n This truss ha chord live loa * This truss l on the bottor 3-06-00 tall f chord and a Bearings are capacity of 5 Refer to gird) Provide mec bearing plate joint 2 and 1) This truss is	is been designed psf or 2.00 times on-concurrent wit is been designed ad nonconcurrent has been designed been designed n chord in all area y 1-00-00 wide v y 1-00-00 wide v y 0 ther members assumed to be: 65 psi. er(s) for truss to t hanical connectic acapable of withs 72 lb uplift at joint designed in acco Residential Code	flat roof le th other lift for a 10.1 with any d for a liv as where will fit betw s, with BC Joint 2 SI russ conron (by oth tanding 1 t0. rdance w	bad of 23.1 p ve loads. D psf bottom other live load e load of 20. a rectangle veen the bott iDL = 10.0ps No.1 crush nections. ers) of truss 94 lb uplift a ith the 2015	ads. Opsf tom if. ing to t					
BOT CHORD	5-6=-1858/259, 6-7= 7-9=-2681/313, 9-10 2-15=-376/2550, 13- 11-13=-79/2076, 10-)=-2966/344 -15=-213/2068,	LC	R802.10.2 a DAD CASE(S)	nd referenced sta Standard	Indard AN	ISI/TPI 1.						
WEBS	6-13=-111/1218, 3-1 5-15=-43/536, 5-13= 7-13=-822/243, 7-11	-802/242,	8/220									mmm	uun.
this design 2) Wind: AS0 Vasd=103 Cat. II; Ex zone; can DOL=1.60 3) TCLL: AS	ed roof live loads have n. CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; Br p B; Enclosed; MWFR tilever left and right exp 0 plate grip DOL=1.60 CE 7-10; Pr=20.0 psf (5 Plate DOL=1.15); Pg-	(3-second gust) CDL=6.0psf; h=30ft; S (envelope) exteric posed ; Lumber roof live load: Lumb	r							Contraction of the second seco		SEA 0363	• • •

DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.



A. GILL

November 29,2023

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Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A03	Common	5	1	Job Reference (optional)	162260035

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:08 Page: 1 ID:D?1nVn1fDGF?FkWnuSYA7qz465?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-11-0 6-2-11 10-2-2 15-11-5 18-4-0 20-8-11 26-5-14 30-5-5 36-8-0 0-11-0 5-9-3 2-4-11 2-4-11 6-2-11 3-11-7 5-9-3 3-11-7 6-2-11 3x6= 7 3x6 🚽 3x6. 6 8 6¹² 3x6 🧸 3x4. 23 24 3x6. 3x4 🥃 9 5 10 9-6-3 9-11-7 2x4 I 2x4 II 3 11 12 18 Щģ 31 32 19 22 26 21 20 27 16 28 15 14 29 30 13 25 4x6= 4x6= 4x6= 4x6= 6x8= 2x4 🛛 2x4= 6x8= 4x6= 2x4 II 14-2-9 ^{4x6}=24-8-8 14-2-1 22-8-13 22. 5-15 13-11-30-5-5 6-2-11 11-11-8 18-4-0 22-5-7 36-8-0 6-2-11 5-8-13 5-8-13 6-2-11 1-11-11 4-1-7 4-1-7 0-0-0-2-14 0-2-14 Scale = 1:70.5 0-0-1-11-11 Plate Offsets (X, Y): [7:0-3-0,Edge] Loading Spacing 2-0-0 CSI DEFL in l/defl L/d PLATES GRIP (psf) (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.99 Vert(LL) -0.41 13-15 >999 240 MT20 244/190 Snow (Pf/Pg) 23.1/30.0 Lumber DOL 1.15 BC 0.45 Vert(CT) -0.54 13-15 >811 180 TCDL 10.0 Rep Stress Incr WB 0.95 Horz(CT) YES 0.07 12 n/a n/a BCLL 0.0 IRC2015/TPI2014 Matrix-S Code Weight: 235 lb BCDL 10.0 FT = 20% LUMBER 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground TOP CHORD 2x4 SP No 2 snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 2x6 SP 2400F 2.0E or 2x6 SP DSS *Except* BOT CHORD Plate DOL=1.15); Category II; Exp B; Partially Exp.; 19-17:2x4 SP No.2 WEBS 2x4 SP No.3 Ct=1.10 4) Unbalanced snow loads have been considered for this BRACING design. TOP CHORD Structural wood sheathing directly applied. 5) BOT CHORD

- Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 17-19 6) **REACTIONS** (size) 2=0-3-8, 12=0-3-8 Max Horiz 2=169 (LC 12) Max Uplift 2=-143 (LC 12), 12=-120 (LC 13)
- Max Grav 2=1735 (LC 4), 12=1675 (LC 4) (lb) - Maximum Compression/Maximum FORCES Tension TOP CHORD 1-2=0/51, 2-3=-3290/217, 3-4=-3252/311, 4-6=-2685/146, 6-7=-121/22, 7-8=-122/22, 8-10=-2685/145, 10-11=-3266/321, 11-12=-3296/220 BOT CHORD 2-22=-269/2867, 20-22=-153/2597, 16-20=0/2105, 15-16=0/2105, 13-15=-2/2598, 12-13=-123/2878 18-19=-8/8. 17-18=-8/8 WEBS 8-17=0/912, 15-17=0/840, 19-20=0/840, 6-19=0/911, 6-8=-2076/199, 3-22=-304/163, 11-13=-328/178, 4-20=-661/272,

NOTES

Unbalanced roof live loads have been considered for 1) this design.

10-15=-669/272, 4-22=-187/630,

10-13=-197/651, 16-18=-252/0

Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60

- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 23.1 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 1-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP 2400F 2.0E or DSS crushing capacity of 660 psi.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 12 and 143 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A04	Common	1	1	Job Reference (optional)	162260036

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries. Inc. Wed Nov 29 09:32:09 ID:8yRFT?Fpz4M4pF?McCyQjoz45bk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

18-4-0 <u>20-8-11</u> 2-4-11 2-4-11 37-7-0 6-2-11 10-2-2 15-11-5 26-5-14 30-5-5 36-8-0 3-11-7 5-9-3 5-9-3 3-11-7 6-2-11 6-2-11 0-11-0 3x6= 7 3x6 💋 3x6 👟 6 8 6¹² 3x6 🚽 3x4 👟 25 24 3x6. 3x4 🖌 9 5 10 4 \mathbf{r} 9-6-3 9-11-7 2x4 II 2x4 II 3 11 12 0-4-3 ⊤ 19 30 ý M 13 Шģ 33 32 23 26 27 22 21 28 17 29 16 15 30 31 14 4x6= 4x6= 4x6= 6x8= 4x6= 2x4 II 2x4= 6x8= 4x6= 2x4 II ^{4x6}=24-8-8 14^{-2x4}9 22-8-13 22-5-15 14-2-1 13-11-3 6-2-11 11-11-8 18-4-0 30-5-5 36-8-0 22-5 6-2-11 5-8-13 4-1-7 4-1-7 5-8-13 6-2-11 0-0-7 0-2-14 1-11-11 0-2-14 Scale = 1:70.5 0-0-7 1-11-11 Plate Offsets (X, Y): [7:0-3-0,Edge], [10:0-0-0,0-0-0]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TF	PI2014	CSI TC BC WB Matrix-S	0.98 0.45 0.95	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 14-16 14-16 12	l/defl >999 >816 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 237 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x6 SP 2400F 2.0E 20-18:2x4 SP No.2 2x4 SP No.3 Structural wood she Rigid ceiling directly bracing. Except: 6-0-0 oc bracing: 18 (size) 2=0-3-8, 1 Max Horiz 2=-161 (L Max Uplift 2=-143 (L	athing directly applie applied or 10-0-0 oc -20 12=0-3-8 C 13) C 12), 12=-143 (LC -	D(ppt* sn Pl Ct 4) Ur d. 4) Ur d. 5) Tr loa ov 6) Tr ch 7) * 7 3) or	OL=1.15 PI now); Pf=23 ate DOL=1 =1.10 nbalanced s asign. nis truss hai ad of 12.0 p verhangs no nis truss hai nord live loa This truss h	7-10; Pr=20.0 p ate DOL=1.15); .1 psf (flat roof s .15); Category II snow loads have s been designec osf or 2.00 times on-concurrent wi s been designec d nonconcurren as been designec n chord in all are	Pg=30.0 p now: Lum ; Exp B; P been cor flat roof lo th other liv for a 10.0 t with any ed for a liv	osf (ground ber DOL=1.' artially Exp.; asidered for t er of min rool bad of 23.1 p re loads. 0 psf bottom other live loa e load of 20.1	15 his ilive sf on					
FORCES	Max Grav 2=1734 (L (Ib) - Maximum Com Tension		ch	ord and an	y 1-00-00 wide v y other member are assumed to b	s, with BC	DL = 10.0ps	f.					
TOP CHORD	1-2=0/51, 2-3=-3289 4-6=-2683/145, 6-7= 8-10=-2683/145, 10- 11-12=-3289/217, 12	-122/22, 7-8=-122/2 -11=-3250/311,	, ´crı 2, 9) Pr be	ushing capa ovide mech earing plate	acity of 660 psi. nanical connection capable of withs 13 lb uplift at join	on (by oth standing 1	ers) of truss	to					
BOT CHORD	2-23=-260/2866, 21- 17-21=0/2102, 16-1 12-14=-100/2866, 19	-23=-145/2595, 7=0/2102, 14-16=0/2	10) Th 595, Int	nis truss is o ternational	designed in acco Residential Cod nd referenced sta	ordance w e sections	R502.11.1 a	Ind				TH CA	Bo
WEBS	20-21=0/839, 6-20= 16-18=0/839, 6-8=-2 4-21=-669/272, 4-23 3-23=-304/163, 11-1 10-16=-669/272, 10-	2073/198, 17-19=-25 3=-187/631, 4=-304/163,	LOAD	CASE(S)						g	i	CONFESC	Change -
this design2) Wind: ASC	ed roof live loads have n. CE 7-10; Vult=130mph	been considered for (3-second gust)								THE DAY		SEA 0363	• –
Cat. II; Ex	mph; TCDL=6.0psf; B(b B; Enclosed; MWFR; ilever left and right exp	S (envelope) exterior									in s	A C NGIN	EERTHIN

- this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60

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)

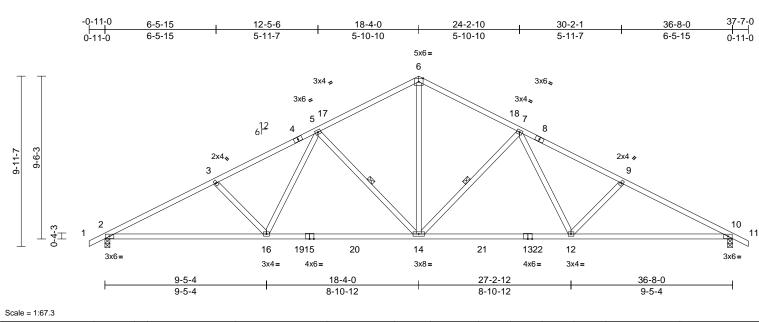
818 Soundside Road Edenton, NC 27932

G (1111111) November 29,2023

Page: 1

Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A05	Common	5	1	Job Reference (optional)	162260037

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:09 ID:?immNtpsViXDia22OfkbA?z45X7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 23.1/30.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.87 0.95 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 14-16 14-16 10	l/defl >999 >963 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 189 lb	FT = 20%
	1-7-8 oc purlins.Rigid ceiling directly bracing.1 Row at midpt	athing directly applied applied or 2-2-0 oc 5-14, 7-14 10=0-3-8 C 17) C 12), 10=-194 (LC 1	design. 5) This trus load of 1 overhan d or 6) This trus chord liv 7) * This tru on the b 3-06-00 chord ar 8) All beari capacity 3) 9) Provide	ced snow loads has s has been design 2.0 psf or 2.00 tim is non-concurrent s has been design b load nonconcurr ss has been design totom chord in all all by 1-00-00 wid d any other memb igs are assumed to of 565 psi. nechanical conner late capable of wi	ed for great es flat roof I with other Ii ed for a 10. ent with any ned for a liv reas where e will fit betv ers, with BC o be SP No ction (by oth	er of min roof oad of 23.1 ps ve loads. 0 psf bottom other live loa ve load of 20.0 a rectangle veen the bottt CDL = 10.0psf 1 crushing ers) of truss t	live sf on ds.)psf om				<u> </u>	
FORCES	(lb) - Maximum Com Tension	1.	joint 2 ar	d 194 lb uplift at jo s is designed in ac	pint 10.	·						
TOP CHORD	1-2=0/44, 2-3=-2924 5-6=-1848/258, 6-7=	,	Internati R802.10	nal Residential Control 2 and referenced	ode sections	s R502.11.1 a	nd					
BOT CHORD	2-16=-368/2541, 14- 12-14=-72/2059, 10-	-16=-205/2059,	⁷⁴⁴ LOAD CASE	(S) Standard								
WEBS	6-14=-110/1211, 3-1 5-16=-43/536, 5-14=	6=-370/211,	/211								WITH CA	Della
this design2) Wind: ASCVasd=103i	d roof live loads have	been considered for (3-second gust) CDL=6.0psf; h=30ft;							4	i	ORTFESS	Ang -
DOL=1.60 3) TCLL: ASC DOL=1.15 snow); Pf=	ilever left and right exp plate grip DOL=1.60 CE 7-10; Pr=20.0 psf (Plate DOL=1.15); Pg- 23.1 psf (flat roof snov =1.15); Category II; Ex	roof live load: Lumbe =30.0 psf (ground w: Lumber DOL=1.15								A A A A A A A A A A A A A A A A A A A		EER.K

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)



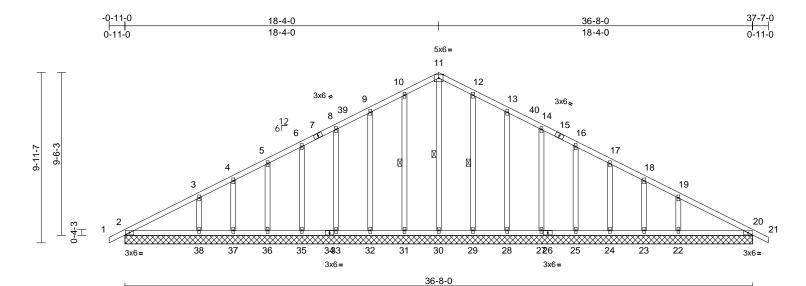
818 Soundside Road Edenton, NC 27932

G "HILLINN November 29,2023

Page: 1

Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	A06	Common Supported Gable	1	1	Job Reference (optional)	162260038

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:10 ID:f5b0ADn2flctlt9Q4SAMQtz45Vt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:67.3

ocale = 1.07.5												
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014 TOP CHORE	CSI TC BC WB Matrix-S	0.22 0.14 0.20 8/100, 3-	DEFL Vert(LL) Vert(CT) Horz(CT) 4=-119/93,	in n/a n/a 0.01	(loc) - 20 5) Ur	n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 236 lb	GRIP 244/190 FT = 20% n considered for this
	6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (size) 2=36-8-0, 23=36-8-0 27=36-8-(33=36-8-0 33=36-8-0 33=36-8-0 37=36-8-0 Max Horiz 2=-161 (L Max Uplift 2=-19 (LC 23=-26 (L 25=-248 (L 28=-53 (L	C 13), 22=-103 (LC 13 C 13), 24=-54 (LC 13 C 13), 27=-48 (LC 13 C 13), 27=-48 (LC 13 C 13), 29=-42 (LC 13	BOT CHORE -0, -0, -0, -0, -0, -0, -0, -0,	4-5=-81/113, 5-6= 8-9=-49/187, 9-10: 11-12=-65/226, 12 13-14=-49/140, 14 17-18=-33/45, 18- 20-21=0/43 2-38=-10/152, 37- 36-37=-10/152, 32 31-32=-10/152, 30 29-30=-10/152, 28 27-28=-10/152, 20 24-25=-10/152, 20 24-25=-10/152, 20 22-23=-10/152, 20 11-30=-164/0, 10- 8-33=-147/72, 6-33 4-37=-74/44, 3-38 13-28=-199/76, 14 16-25=-130/71, 17 18-23=-74/44, 19-3	=-58/212 -13=-58, -16=-43, 19=-68/2 38=-10/1 -36=-10, -33=-10, -31=-10, -27=-10, -27=-10, 122=-10, 31=-217, 5=-130/7 =-268/14 -27=-14 -24=-14	2, 10-11=-65/2 (185, 197, 16-17=-4; 15, 19-20=-12; 52, (152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 152, 153, 152, 17, 17, 152, 17, 17, 17, 17, 17, 17, 17, 17	5/71, 2/61, 9/75, /79,	 6) Tr loa ov 7) Al 8) Ga 9) Ga 10) Tr ch 11) * 1 or 3- ch 12) Al 	ad of 12.0 rerhangs I l plates al able requi able studs his truss h ord live lo Fhis truss the botto 06-00 tall ord and a) psf or non-co re 2x4 ires co s space bad noi has be om cho by 1-0 any oth s are as	2.00 times flat r ncurrent with oth MT20 unless oth ntinuous bottom ed at 2-0-0 oc. an designed for a nconcurrent with een designed for wid in all areas 00-00 wide will fit er members, wit ssumed to be SF	herwise indicated. chord bearing. a 10.0 psf bottom a any other live loads. a live load of 20.0psf here a rectangle between the bottom h BCDL = 10.0psf.
FORCES	33=-48 (L 36=-54 (L 38=-104 (22=369 (I 24=198 (I 27=219 (I 29=273 (I 31=273 (I 33=219 (I	C 19), 20=228 (LC 20) .C 20), 23=85 (LC 1), .C 6), 25=209 (LC 4), .C 6), 28=260 (LC 6), .C 6), 30=264 (LC 25), .C 5), 32=260 (LC 5), .C 5), 35=209 (LC 4), .C 5), 37=85 (LC 1), .C 19)), 1) Unbaland, this designed this designed the set of th	ed roof live loads hav in. iCE 7-10; Vult=130mp 3mph; TCDL=6.0psf; xp B; Enclosed; MWF the grip DOL=1.60 o plate grip DOL=1.61 esigned for wind loads studs exposed to wind dard Industry Gable E t qualified building de SCE 7-10; Pr=20.0 psi 5 Plate DOL=1.15); P f=23.1 psf (flat roof sn L=1.15); Category II;	bh (3-sec BCDL=6 RS (env xposed) in the p nd (norm ind Deta signer as f (roof liv g=30.0 p ow: Lum	cond gust) .0psf; h=30ft; elope) exterio ; Lumber lane of the tru al to the face) ils as applicat s per ANSI/TF sf (ground ber DOL=1.1	r Iss), ble, Pl 1. er		W. THINK		SEA 0363	• -

November 29,2023

Page: 1

Continued on page 2 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 properly damage. For general guidance regarding the fabrication, storage, delivery, recetion and bracing of trusses and truss systems, see **ANSI/TP1 Quility 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	Longleaf A - Lot 3 - Fairground Farms	
3769884	A06	Common Supported Gable	1	1	Job Reference (optional)	162260038

- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 2, 45 lb uplift at joint 31, 51 lb uplift at joint 32, 48 lb uplift at joint 33, 48 lb uplift at joint 35, 54 lb uplift at joint 36, 26 lb uplift at joint 37, 104 lb uplift at joint 38, 42 lb uplift at joint 29, 53 lb uplift at joint 28, 48 lb uplift at joint 27, 48 lb uplift at joint 25, 54 lb uplift at joint 24, 26 lb uplift at joint 23 and 103 lb uplift at joint 22.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:10 ID:f5b0ADn2ficttl9Q4SAMQtz45Vt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

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/TP11 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	Longleaf A - Lot 3 - Fairground Farms	
3769884	B01G	Common Girder	1	2	Job Reference (optional)	162260039

4-10-8

4-10-8

-0-11-0

0-11-0

Builders FirstSource (Albermarle), Albernarle, NC - 28001,

Scale = 1:35.9

Loading

TCDL

BCLL

BCDL

WEBS

BRACING

LUMBER

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

REACTIONS (size)

bracing.

Tension

4-5=0/56

TCLL (roof)

Snow (Pf/Pg)

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Wed Nov.29.09:32:11 ID:gSE80HpMePJp?x9mZpCHMoz45UY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

9-9-0

4-10-8

10-8-0

0-11-0

Page: 1

4x6 = 4x6 = 4x8 II Special Special Special Special 4-10-8 9-9-0 4-10-8 4-10-8 Plate Offsets (X, Y): [6:0-6-4,0-2-0] Spacing 2-0-0 CSI DEFL in l/defl L/d PLATES (psf) (loc) 20.0 Plate Grip DOL 1.15 TC 0.34 Vert(LL) -0.03 >999 240 MT20 4-6 23.1/30.0 Lumber DOL 1.15 BC 0.35 Vert(CT) -0.06 4-6 >999 180 Rep Stress Incr WB Horz(CT) 10.0 NO 0.90 0.01 4 n/a n/a 0.0 IRC2015/TPI2014 Matrix-S Code 10.0 Weight: 111 lb FT = 20% 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Increase=1.15 2x4 SP No 2 Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior Uniform Loads (lb/ft) 2x8 SP 2400F 2.0E or 2x8 SP DSS zone; cantilever left and right exposed ; Lumber 2x4 SP No.3 Vert: 1-3=-66, 3-5=-66, 2-4=-20 DOL=1.60 plate grip DOL=1.60 Concentrated Loads (lb) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber 5) Vert: 9=-1550 (B), 10=-1550 (B), 11=-1550 (B), Structural wood sheathing directly applied or DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground 12=-1550 (B) 5-9-14 oc purlins. snow): Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Rigid ceiling directly applied or 10-0-0 oc Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 2=0-3-8, 4=0-3-8 6) Unbalanced snow loads have been considered for this Max Horiz 2=-95 (LC 10) desian. Max Uplift 2=-417 (LC 12), 4=-446 (LC 13) This truss has been designed for greater of min roof live 7) Max Grav 2=3456 (LC 1), 4=3702 (LC 1) load of 12.0 psf or 2.00 times flat roof load of 23.1 psf on (lb) - Maximum Compression/Maximum overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom 1-2=0/56, 2-3=-4160/502, 3-4=-4141/501, chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 9) 2-6=-353/3345. 4-6=-353/3345 on the bottom chord in all areas where a rectangle 3-6=-461/4323 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members. 10) All bearings are assumed to be SP 2400F 2.0E or DSS 1) 2-ply truss to be connected together with 10d crushing capacity of 660 psi. (0.131"x3") nails as follows: 11) Provide mechanical connection (by others) of truss to Top chords connected as follows: 2x4 - 1 row 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. All loads are considered equally applied to all plies, 2) except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- bearing plate capable of withstanding 417 lb uplift at joint 2 and 446 lb uplift at joint 4.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1550 Ib down and 184 lb up at 2-0-12, 1550 lb down and 184 Ib up at 4-0-12, and 1550 lb down and 184 lb up at 6-0-12, and 1550 lb down and 184 lb up at 8-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



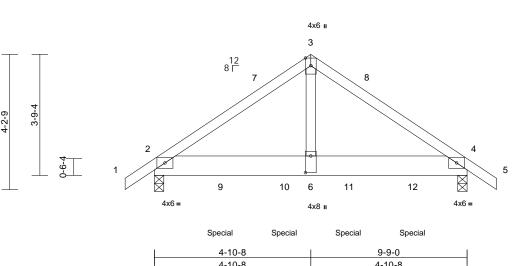
GRIP

244/190

818 Soundside Road

Edenton, NC 27932

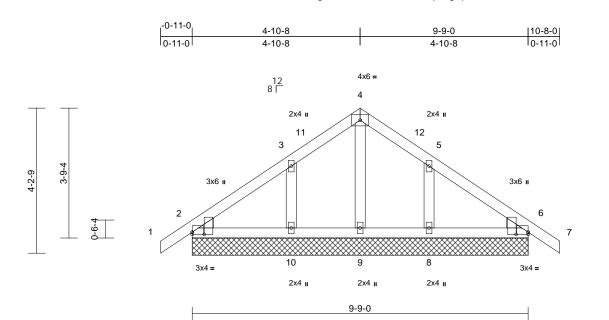
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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)



Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	B02	Common Supported Gable	1	1	Job Reference (optional)	162260040

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Nov 29 09:32:11 ID:s?88QMoE0o_Yg8iHAF8I0Oz45S_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33.4					
Plate Offsets (X_Y)	[2·Edge 0-0-12]	[2.0-0-13 0-4-3]	[6·Edge 0-0-12]	[6:0-0-13 0-4-3]	

Plate Offsets	(X, Y): [2:Edge,0-0-12	2], [2:0-0-13,0-4-3], [6:	Edge,0-0	-12], [6:0-0-13	,0-4-3]					-			
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-S	0.11 0.06 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 47 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP No.2 Right: 2x4 SP No.2 Right: 2x4 SP No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=9-9-0, (9=9-9-0, (9=9-9-0, (9=9-9-5), (10 Max Uplift 2=-18 (LC 8=-96 (LC Max Grav 2=184 (LC (LC 23), S) (LC 22) (lb) - Maximum Com Tension 	C 10) C 13), 6=-24 (LC 13), C 13), 10=-98 (LC 12) C 1), 6=184 (LC 1), 8= D=113 (LC 25), 10=26; npression/Maximum	l or 5) 6) 7) 8) 2260 9)	only. For stt see Standar, or consult qu TCLL: ASCE DOL=1.15 P snow); Pf=23 Plate DOL=1 Ct=1.10 Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs This truss ha chord live los on the bottor 3-06-00 tall t	ned for wind loads ads exposed to wird d Industry Gable E ualified building de 7-10; Pr=20.0 ps late DOL=1.15); P 3.1 psf (flat roof sn 1.15); Category II; snow loads have as been designed 1 psf or 2.00 times f on-concurrent with es continuous bott spaced at 2-0-0 o is been designed ad nonconcurrent as been designed ad nonconcurrent as been designed n chord in all area by 1-00-00 wide w y other members.	nd (norm ind Deta signer a: f (roof liv g=30.0 f g=30.0 f g=30.0 f sow: Lun Exp B; F been cor for great lat roof lin o ther lin tom chor c. for a 10. with any d for a liv s where ill fit betw	al to the face ils as applica is per ANSI/TI ve load: Lumb osf (ground aber DOL=1.1 artially Exp.; asidered for the er of min roof oad of 23.1 p ve loads. d bearing. 0 psf bottom other live loa a rectangle), ble, PI 1. eer 5 fis filve sf on ds. Dpsf					1117.
this desig 2) Wind: AS Vasd=103 Cat. II; Ex zone; can	4-5=-67/74, 5-6=-74 2-10=-30/71, 9-10=- 6-8=-30/71 4-9=-87/0, 3-10=-19 ced roof live loads have	/50, 6-7=0/42 30/71, 8-9=-30/71, 7/125, 5-8=-195/124 been considered for (3-second gust) CDL=6.0psf; h=30ft; S (envelope) exterior	12 13	 All bearings capacity of 5 Provide mec bearing plate 2, 24 lb uplift uplift at joint This truss is International 	are assumed to be 65 psi. hanical connection e capable of withst t at joint 6, 98 lb up 8. designed in accor Residential Code nd referenced star	e SP No. n (by oth anding 1 plift at joi dance w sections	ers) of truss t 8 lb uplift at j int 10 and 96 ith the 2015 8 R502.11.1 a	oint Ib		(W. CHILLING		SEA 0363	22 EER.KI

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)

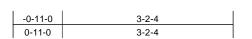
November 29,2023

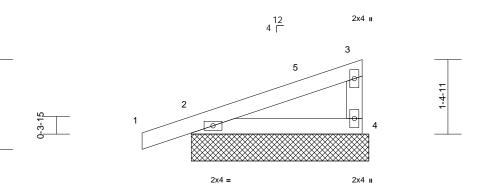
Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	M01	Monopitch Supported Gable	1	1	Job Reference (optional)	l62260041

1-8-2

Run: 8.63 S. Nov. 1 2023 Print: 8.630 S.Nov. 1 2023 MiTek Industries. Inc. Wed Nov. 29.09:32:11 ID:OyuBr1ySihf5ncG97jneHDz45LK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





3-2-4

Scale = 1:21.5												
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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	23.1/30.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI20	014 Matrix-P								
BCDL	10.0										Weight: 12 lb	FT = 20%
LUMBER			7) Gable	e studs spaced at 2-0-								
TOP CHORD	2x4 SP No.2			russ has been designed) psf bottom						
BOT CHORD	2x4 SP No.2			l live load nonconcurre			ds.					
WEBS	2x4 SP No.2		9) * This	s truss has been desig	ned for a liv	e load of 20.0)psf					
BRACING			on the	e bottom chord in all a	reas where	a rectangle						
TOP CHORD	Structural wood she	athing directly applie	ed or 3-06-	00 tall by 1-00-00 wide	e will fit betw	veen the botto	om					

chord and any other members.

4 and 58 lb uplift at joint 2.

capacity of 565 psi.

LOAD CASE(S) Standard

10) All bearings are assumed to be SP No.2 crushing

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint

12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

DIGGOING		
TOP CHOR		I wood sheathing directly applied
	3-2-4 oc	purlins, except end verticals.
BOT CHOR	D Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTION	S (size)	2=3-3-12, 4=3-3-12
	Max Horiz	2=55 (LC 8)
	Max Uplift	2=-58 (LC 8), 4=-26 (LC 12)
	Max Grav	2=202 (LC 19), 4=126 (LC 19)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	-
TOP CHOR	D 1-2=0/30,	, 2-3=-40/24, 3-4=-95/44
BOT CHOR	D 2-4=0/0	

NOTES

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss 2) 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.
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Unbalanced snow loads have been considered for this desian.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.





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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms	
3769884	M02	Monopitch	12	1	Job Reference (optional)	162260042

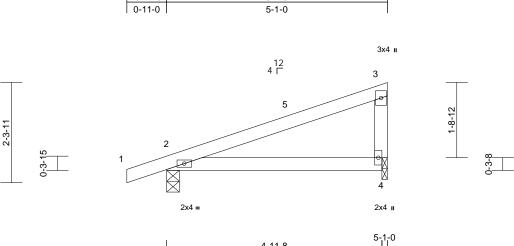
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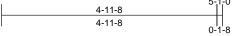
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Builders FirstSource (Albermarle), Albemarle, NC - 28001,

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Scale = 1:26.5

Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/det FLATES GRP TCLL (root) 20.00 Plate Grip DOL 1.15 TC 0.32 Vert(LL) -0.01 2-4 >999 240 MT20 244/15 Snow (PI/Pg) 23.130.0 TCDL 0.00* BC 0.15 BC 0.18 Vert(LL) -0.03 2-4 >999 180 MT20 244/15 BCDL 0.0* Code IRC2015/TPI2014 Matrix-R With With With With With With With With	
LUMBER 6) * This truss has been designed for a live load of 20.0psf TOP CHORD 2x4 SP No.2 6) * This truss has been designed for a live load of 20.0psf BOT CHORD 2x4 SP No.2 6) * This truss has been designed for a live load of 20.0psf OTHERS 2x4 SP No.2 5 BRACING 7) All bearings are assumed to be SP No.2 crushing COP CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 7) All bearing at joint(s) 4 considers parallel to grain formula. Building designer should verify capacity of 565 psi. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2=0-3-8, 4=0-1-8 Max Horiz 2=79 (LC 8) Max Grav 2=228 (LC 19), 4=214 (LC 12) Max Grav 2=228 (LC 19), 4=214 (LC 19) More CES (b) - Maximum Compression/Maximum Tension 7) All bearling at to goint 4. TOP CHORD 1:2=0/30, 2:3=-178/3, 3-4=-143/64 10) Provide mechanical connection (by others) of truss to bearing plate ta gioint 4. BOT CHORD 2:4=-25/120 Load CASE(S) Standard Notess 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vade=103mph: TCDL=6,0ost; BCDL=6,0ost; BCDL	TCLL (roof) Snow (Pf/Pg) TCDL BCLL
Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Pf=23.1 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.	LUMBER TOP CHORD 2x- BOT CHORD 2x- BOT CHORD 2x- BOT CHORD 2x- BOT CHORD 2x- BOT CHORD 2x- BOT CHORD 5- BOT CHORD 5- BOT CHORD 8- CHORD 8- BOT CHORD 1-2 BOT CHORD 1-2 BOT CHORD 1-2 BOT CHORD 1-2 BOT CHORD 2-4 NOTES 1) Wind: ASCE 7- Vasd=103mph Cat. II; Exp 8; zone; cantileve DOL=1.60 plat 2) TCLL: ASCE 7 DOL=1.15 Plat Snow); Pf=23.1 Plate DOL=1.1 Ct=1.10 3) Unbalanced sr design. 4) This truss has load of 12.0 ps overhangs nom 5) This truss has

- This truss has been designed for greater of min roof live 4) load of 12.0 psf or 2.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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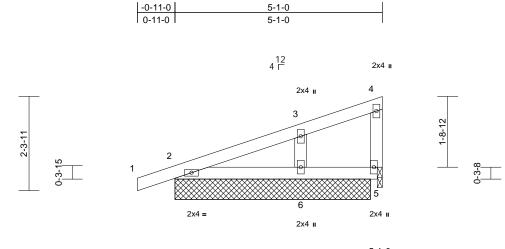
818 Soundside Road Edenton, NC 27932

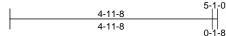
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Job	Truss	Truss Type Qty Ply Longleaf A - Lot 3 - Fairground Farm		Longleaf A - Lot 3 - Fairground Farms		
3769884	M03	Monopitch Supported Gable	1	1	Job Reference (optional)	162260043

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Scale = 1:28.2

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 23.1/30.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC 0.12 BC 0.07 WB 0.04 Matrix-P	DEFLinVert(LL)0.00Vert(CT)-0.01Horz(CT)n/a	(loc) 2-6 2-6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 20 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103/ Cat. II; Exp zone; cant DOL=1.60 2) Truss des only. For s see Stand: or consult 3) TCLL: ASC DOL=1.15 snow); Pf= Plate DOL Ct=1.10	2x4 SP No.2 2x4 SP No.2 *Excep Structural wood she 5-1-0 oc purlins. Rigid ceiling directly bracing. (size) 2=4-9-8, 5 Max Horiz 2=79 (LC Max Uplift 2=-46 (LC (LC 12) Max Grav 2=180 (LC (LC 19) (Ib) - Maximum Com Tension 1-2=0/30, 2-3=-54/34	athing directly applied applied or 10-0-0 oc 5=0-1-8, 6=4-9-8 8) 5 (a), 5=-12 (LC 8), 6= C 1), 5=51 (LC 19), 6: C	 load of 12.0 overhangs n Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall be chord and ar All bearings capacity of 5 Bearing at jo using ANSI/' designer sha 11) Provide mec bearing plate Provide mec bearing plate Provide mec bearing plate Provide mec bearing plate Provide mec bearing plate S 6 hu plift This truss is International R802.10.2 a LOAD CASE(S) 	int(s) 5 considers parallel IPI 1 angle to grain formul vuld verify capacity of bear hanical connection (by oth a ti pint(s) 5. hanical connection (by oth capable of withstanding 4 to at joint 6 and 12 lb uplift a designed in accordance w Residential Code sections nd referenced standard Af	oad of 23.1 psf on ve loads. 0 psf bottom other live loads. re load of 20.0psf a rectangle ween the bottom .2 crushing to grain value a. Building ing surface. iers) of truss to reers) of truss to 46 lb uplift at joint at joint 5. rith the 2015 s R502.11.1 and			, in	SEA 0363	L 22 LBERTIN

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Job	Truss	Truss Type	Qty	Ply	Longleaf A - Lot 3 - Fairground Farms			
3769884	V01	Valley	1	1	Job Reference (optional)	162260044		

9-10-2

9-10-2

Builders FirstSource (Albermarle), Albernarle, NC - 28001,

TCDL

BCLL

BCDL

1)

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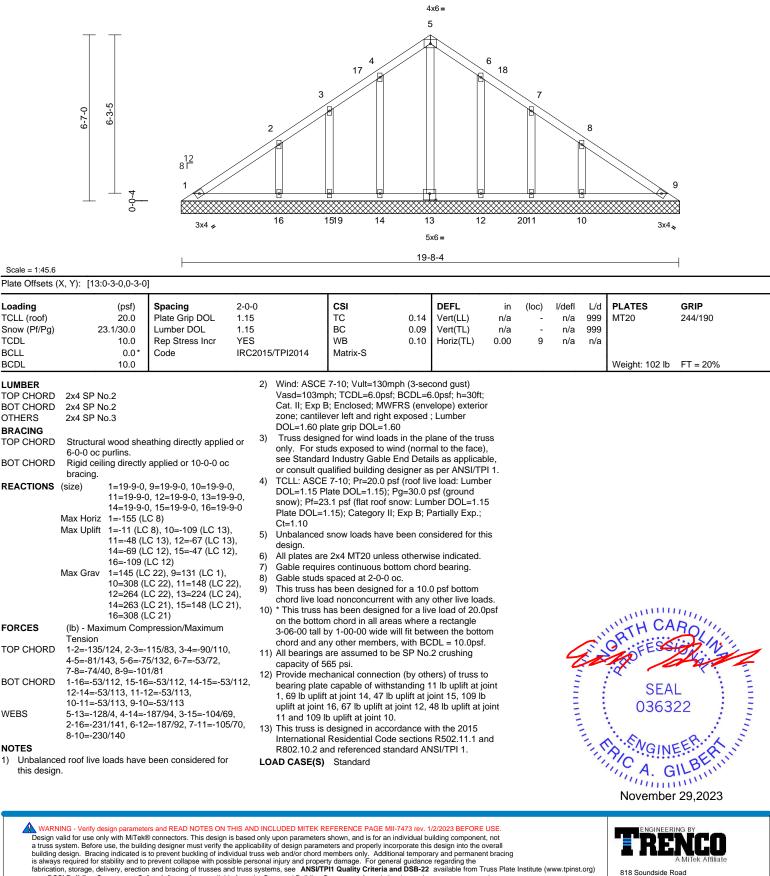
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19-8-4

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and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

