Job	Truss	Truss Type	Qty	Ply	30 BIRCHWOOD GROVE - ROOF				
37647-37647A	BG	Common Girder	1	2	Job Reference (optional)	160788520			

84 Components (Dunn, NC), Dunn, NC - 28334,

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Thu Sep 14 12:41:48 ID:VMD62rz1yiHD_OqRtbnrlFztQ8K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



1	0-11-14	10-0-4	20-0-0	
Г	6-11-14	6-9-6	6-10-12	1
Scale = 1:67.9				
Plate Offsets (X, Y): [2:Edge,0-0-6], [4:0-2-4,0-3-4]				

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 11.5/15.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	/TPI2014	CSI TC BC WB Matrix-S	0.53 0.56 0.30	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.12 -0.01	(loc) 7-8 7-8 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 276 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES	2x4 SP No.2 2x6 SP No.2 *Except 2x4 SP No.2 *Except Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 2=0-3-8, 7 Max Horiz 2=224 (LC Max Uplift 2=-630 (LC Max Grav 2=840 (LC (lb) - Maximum Com	t* 9-7:2x6 SP DSS t* 3-10,7-6:2x4 SP N athing directly applied cept end verticals. applied or 6-0-0 oc /=0-3-8 (> 10) C 40), 7=-62 (LC 10) C 22), 7=2059 (LC 22) pression/Maximum	4) o.3 5) d or 6) 7) 8)	Wind: ASCE Vasd=95mpt II; Exp B; End Lumber DOL TCLL: ASCE Plate DOL=1 DOL=1.15 PI Partially Exp. This truss ha load of 12.0 p overhangs no This truss ha chord live loa * This truss h on the bottom	7-16; Vult=120mph ; TCDL=6.0psf; BC closed; MWFRS (er =1.60 plate grip DC 7-16; Pr=20.0 psf (.15); Pg=15.0 psf; F ate DOL=1.15); Is= ; Ce=1.0; Cs=1.00; s been designed fo opsf or 1.00 times fla on-concurrent with of s been designed fo d nonconcurrent with as been designed fo n chord in all areas	(3-sec DL=6.0 velope DL=1.60 roof LL Pf=11.5 1.0; Rc Ct=1.1 r greate t roof ld bther liv r a 10.0 ith any for a liv where	cond gust) Dpsf; h=25ft; e) exterior zool) :: Lum DOL= 5 psf (Lum pugh Cat B; 10 er of min roof pad of 11.5 p ve loads. 0 psf bottom other live loa e load of 20.0 a rectangle	Cat. ne; 1.15 ilive sf on ds. Opsf	Cc	oncentra Vert: 9= 13=149 17=-300	ted Lo 233 (B (B), 14 0 (B)	ads (lb)), 8=184 (B), 11: 4=209 (B), 15=-2	:109 (В), 12=110 (В) Э5 (В), 16=-295 (В),	i), ,
TOP CHORD BOT CHORD WEBS 1) 2-ply truss (0.131"x3" Top chords oc. Bottom cho staggered Web conne 2) All loads a except if n CASE(S) s provided to unless otho 3) Unbalance this design	Tension 1-2=0/18, 2-3=-1036 5-6=-876/682, 6-7=- 2-10=-1030/858, 8-1 3-10=-967/144, 3-8= 6-8=-643/768 to be connected toget) nails as follows: s connected as follows: s connected as follows: ords connected as follows ords connected as follows: ords connected as follows:	/1311, 3-5=-868/609 1030/534 0=-1030/858, 7-8=-2 -242/686, 5-8=-904/5 ther with 10d :: 2x4 - 1 row at 0-9-0 cows: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO/ lections have been noted as (F) or (B), been considered for	, 9) /59 332, 10 11 12 AD 13 LO 1)	3-06-00 tall b chord and an Two H2.5A S recommended UPLIFT at jt(does not con 0 One H2.5A S recommended UPLIFT at jt(does not con 0 This truss is of International R802.10.2 ar Use Simpsor Truss) or equ 4-0-0 from th back face of Fill all nail ho AD CASE(S) Decat + Sno Increase=1. Uniform Loa Vert: 1-55	y 2-00-00 wide will y other members. impson Strong-Tie d to connect truss t s) 2. This connectio sider lateral forces. impson Strong-Tie d to connect truss t d to connect truss t s) 7. This connectio sider lateral forces. designed in accorda Residential Code s d referenced stand to Strong-Tie HUS26 ivalent spaced at 2 e left end to 20-0.0 bottom chord. les where hanger is Standard w (balanced): Lumi 15 dds (lb/ft) =-43, 5-6=-43, 2-7=	fit betw connect o bearin n is for connector o bearin n is for ance w ections fard AN ((14-1) c to coni ber Inc -20	veen the both ctors ing walls due uplift only ar ctors ing walls due uplift only ar strong walls due uplift only ar strong walls due strong walls R502.11.1 a ISI/TPI 1. Od Girder, 4-7 max. startin nect truss(es ttact with lum rease=1.15, l	to nd to nd ind i0d g at) to ber. Plate			ALL	SEA 2768	AOUNT AND	·····································

September 15,2023

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 **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)

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