

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F201	Floor	3	1	Job Reference (optional)

Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:31 Page: 1 ID:4ZrQT7bTKIxHtf44DGCvc4zEjE_-Slope3BT2MyG?_xDVsW3p6w04PCMwK6SUuiGhpyYTcf



5

Scale = 1:30.3		11-11-0								1		
Loading	(psf)	Spacing	1-7-3	CSI	•	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.56	Vert(LL)	-0.13	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.17	11-12	>838	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 60 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP No.2(flat)		-	-								

11-11-0

BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
DEACTIONS	$(lb/size) = 8 = 508/0_3 \cdot 8 \pmod{0.1_8}$
REACTIONS	14=508/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
FORCES	(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0,
FORCES	(b) - Max. Comp./Max. Ten All forces 250 (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0
FORCES TOP CHORD	(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0 13-14=-0/614, 12-13=0/1331, 11-12=0/1309.
FORCES TOP CHORD BOT CHORD	(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0 13-14=0/614, 12-13=0/1331, 11-12=0/1309, 10-11=0/1309, 9-10=0/1309, 8-9=0/587
FORCES TOP CHORD BOT CHORD WEBS	(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0 13-14=0/614, 12-13=0/1331, 11-12=0/1309, 10-11=0/1309, 9-10=0/1309, 8-9=0/587 6-8=-732/0, 2-14=-767/0, 6-9=0/581,

1-2-0

2-13=0/477, 3-13=-457/0, 5-10=0/415, 5-9=-699/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated. 3) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F202	Floor	9	1	Job Reference (optional)

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Sc

1-2-0

Scale = 1:29.6					11-11-0								
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	-
TCLL	40.0	Plate Grip DOL	1.00	тс	0.56	Vert(LL)	-0.13	11-12	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.17	11-12	>838	240	1		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	8	n/a	n/a	1		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 61 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD	2x4 SP No.2(flat)				-			-					

11-11-0

	2,4 01 10.2(18)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 8=513/0-3-8, (min. 0-1-8), 14=508/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0
BOT CHORD	13-14=0/614, 12-13=0/1331, 11-12=0/1309, 10-11=0/1309, 9-10=0/1309, 8-9=0/588

2-13=0/477, 3-13=-457/0, 5-10=0/415, 5-9=-698/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated. 3) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F203	Floor	2	1	Job Reference (optional)

1-2-0

3x3

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1-2-0

1-2-0







Scale = 1.20 /

Scale - 1.20.4													
Loading	(psf)	Spacing	1-7-3	CSI	-	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.29	Vert(LL)	-0.01	7	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.01	7-8	>999	240			
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 37 lb	FT = 20%F, 11%E	
UMBER	-												

LOWDER	
TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 5=282/0-3-8, (min. 0-1-8), 8=282/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
	1 5- 278/0 2 3- 101/0

TOP CHORD 4-5=-278/0, 2-3=-404/0 BOT CHORD 7-8=0/315, 6-7=0/465 WEBS 2-8=-395/0, 3-6=-286/0, 4-6=0/316

NOTES

- 1) 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.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F204	Floor	4	1	Job Reference (optional)

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 ID:0LI93Hv4cMoPeICXtclsURzEioT-pjcihmFcsuaY5lpBIP5EWAdpYQzjbY?BeAQ1M0yYTca
 ID:0LI93Hv4cMoPeICXtclsURzEioT-pjcihmFcsuaY5lpBIP5EWAdpYQzjbY?BeAQ1M0yYTca
 ID:0LI93Hv4cMoPeICXtclsURzEioT-pjcihmFcsuaY5lpBIP5EWAdpYQzjbY?BeAQ1M0yYTca



Scale = 1:32.8

Loading TCLL TCDI	(psf) 40.0	Spacing Plate Grip DOL	1-7-3 1.00 1.00	CSI TC BC	0.77	DEFL Vert(LL)	in -0.28 -0.30	(loc) 16-17 16-17	l/defl >762 >552	L/d 360 240	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0	Rep Stress Incr Code	YES IRC2015/TPI2014	WB Matrix-S	0.43	Horz(CT)	0.05	12	n/a	n/a	Weight: 93 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.1(flat) *E	Except* T2:2x4 SP No.	2									
BOT CHORD	2x4 SP No.2(flat) *Except* B2:2x4 SP DSS (flat)											
WEBS OTHERS	2x4 SP No.3(flat) 2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood she 5-9-0 oc purlins, ex	eathing directly applied cept end verticals.	or									
BOT CHORD	Rigid ceiling directly bracing.	y applied or 10-0-0 oc										
REACTIONS	(lb/size) 12=794/0 22=789/0	I-3-8, (min. 0-1-8), I-3-8, (min. 0-1-8)										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25	0									
TOP CHORD	2-3=-1681/0 3-4=-2	2767/0 4-5=-3296/0										
	5-6=-3296/0, 6-7=-3 8-9=-2764/0, 9-10=-	3348/0, 7-8=-3348/0, -1682/0										
BOT CHORD	21-22=0/994, 20-21 18-19=0/3296, 17-1 15-16=0/3179, 14-1 12 13=0/000	=0/2331, 19-20=0/233 8=0/3296, 16-17=0/34 5=0/3179, 13-14=0/23	1, 17, 48,									
WEBS	10-12=-1242/0, 2-22 2-21=0/894, 9-13=-4 9-14=0/542, 3-19=0 4-19=-773/0, 8-16=(6-17=-516/238, 6-11	2=-1245/0, 10-13=0/90 866/0, 3-21=-846/0, //588, 8-14=-530/0, 0/253, 5-17=-167/290, 6=-261/77	2,									
NOTES	0 11 010,200,0 1											
 Unbalance this design 	ed floor live loads hav n.	e been considered for										
2) All plates a	are 3x3 MT20 unless	otherwise indicated.										
 This truss Internation P802 10 2 	is designed in accord al Residential Code s	lance with the 2015 sections R502.11.1 and dard ANSI/TRL1	ł									
4) Recommendation 10-00-00 c	nd 2x6 strongbacks, on and fastened to ear	on edge, spaced at										
(0.131" X 3 at their out	3") nails. Strongback	is to be attached to wal	ls									
5) CAUTION	, Do not erect truss ba	ackwards.										
LOAD CASE(S) Standard											

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200850	F205	Floor Girder	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ır, NC 27356, user	Run: 8.42 S Feb 1	0 2021 Print:	8.420 S Fel	b 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:34	Page:



0.63

Horz(CT)

0.06

12

n/a n/a

Weight: 91 lb

FT = 20%F, 11%E

NO WB

LOAD CASE(S) Standard

Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 12-21=-8, 1-11=-80

Concentrated Loads (lb) Vert: 23=-391

Matrix-S

8) Hanger(s) or other connection device(s) shall be

provided sufficient to support concentrated load(s) 419 lb down at 14-7-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

Dead + Floor Live (balanced): Lumber Increase=1.00,

IRC2015/TPI2014

1)

1 1 1 1	/R	FR

BCLL

BCDL

TOP CHORD	2x4 SP DSS(flat) *Except* T2:2x4 SP No.2 (flat)
BOT CHORD	2x4 SP No.1(flat) *Except* B2:2x4 SP DSS (flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-2-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(Ib/size) 12=1107/0-3-0, (min. 0-1-8), 21=864/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1866/0, 3-4=-3142/0, 4-5=-3824/0, 5-6=-3824/0, 6-7=-4083/0, 7-8=-3709/0, 8-9=-3709/0, 9-23=-2438/0, 10-23=-2438/0
BOT CHORD	20-21=0/1096, 19-20=0/2596, 18-19=0/3824, 17-18=0/3824, 16-17=0/3824, 15-16=0/4059, 14-15=0/3993, 13-14=0/3420, 12-13=0/1427
WEBS	2-21=-1373/0, 2-20=0/1002, 3-20=-950/0, 3-19=0/744, 4-19=-982/0, 4-17=0/287, 5-16=-8/424, 10-12=-1790/0, 10-13=0/1317, 9-13=-1279/0, 9-14=0/376, 7-14=-370/0, 6-16=-733/0
NOTES	

0.0

5.0

Rep Stress Incr

Code

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated. 2)
- All plates are 3x3 MT20 unless otherwise indicated. 3) 4) Provide mechanical connection (by others) of truss to
- bearing plate at joint(s) 12.
- 5) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 6) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200850	F206	Floor	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, user	Run: 8.42 S Feb 1	0 2021 Print:	8.420 S Fel	b 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:34	Page: 1

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Plate Offsets (X, Y): [9:0-3-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI	0.40	DEFL	in 0.12	(loc)	l/defl >000	L/d	PLATES	GRIP
TCDI	40.0		1.00	BC	0.49	Vert(CT)	-0.13	14-15	~999 >959	240	WT20	244/190
BCU	0.0	Ren Stress Incr	VES	WB	0.04	Horz(CT)	0.10	14-13 Q	- 303 n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S	0.41	11012(01)	0.01	5	n/a	n/u	Weight: 74 lb	FT = 20%F, 11%E
LUMBER		• • •										
TOP CHORE	2x4 SP No.2(flat)											
BOT CHORE	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORE	Structural wood she	eathing directly applied	l or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOICHORL	bracing.	applied or 10-0-0 oc										
REACTIONS	(lb/size) 9=626/0-3	3-8, (min. 0-1-8),										
	17=621/0	-3-8, (min. 0-1-8)										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25	50									
	(lb) or less except w	hen shown.										
TOP CHORD	2-3=-1263/0, 3-4=-1	939/0, 4-5=-2106/0,										
	8-9=-701/0	043/0, 7-0090/0,										
BOT CHORD	16-17=0/766, 15-16	=0/1735, 14-15=0/210)6.									
	13-14=0/2106, 12-1	3=0/1990, 11-12=0/12	96									
WEBS	9-11=0/870, 2-17=-9	959/0, 7-11=-779/0,										
	2-16=0/646, 7-12=0	/452, 3-16=-614/0,										
	6-12=-452/0, 3-15=0	0/325, 5-13=-294/1,										
NOTES	4-15=-364/0, 6-15=-	-41/400										
1) Unbaland	ed floor live loads hav	e been considered for										
this desig	in.											
2) All plates	are 3x3 MT20 unless	otherwise indicated.										
3) This trus	s is designed in accord	lance with the 2015										
Internatio	nal Residential Code	sections R502.11.1 an	d									
R802.10.	2 and referenced stan	dard ANSI/TPI 1.										
4) Recomm	end 2x6 strongbacks,	on edge, spaced at										
(0 131" X	3") nails Strongback	s to be attached to wa	lls									
at their o	uter ends or restrained	by other means.										
5) Gap betw	veen inside of top chor	d bearing and first										

diagonal or vertical web shall not exceed 0.500in. 6) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F207	Floor Girder	1	1	Job Reference (optional)

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Scale = 1:19.5

					-								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.79	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	n/a	-	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%F, 11%E	
				-									

LUMBER

LOWDER		
TOP CHORD	2x4 SP N	lo.1(flat)
BOT CHORD	2x4 SP N	lo.2(flat)
WEBS	2x4 SP N	lo.2(flat)
BRACING		
TOP CHORD	Structura 1-4-12 o	al wood sheathing directly applied or c purlins, except end verticals.
BOT CHORD	Rigid cei bracing.	ling directly applied or 10-0-0 oc
REACTIONS	(lb/size)	3=427/ Mechanical, (min. 0-1-8), 4=268/0-10-12, (min. 0-1-8)
FORCES	(lb) - Max (lb) or les	k. Comp./Max. Ten All forces 250
TOP CHORD	1-4=-262	/0, 2-3=-421/0
NOTES		
 Refer to g This truss Internation R802.10.2 	irder(s) for is designe nal Resider 2 and refere	truss to truss connections. d in accordance with the 2015 ntial Code sections R502.11.1 and enced standard ANSI/TPI 1.

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 3-4=-10, 1-2=-100

 - Concentrated Loads (lb)
 - Vert: 5=-569

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F208	Floor	6	1	Job Reference (optional)

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Scale = 1:29.6

	-	-
14	-9-	0
14	-9-	0

											1	
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.13	13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.17	13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 74 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) *Except* BL2:2x4 SP No.2 (flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 9=633/0-3-8, (min. 0-1-8), 16=633/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
FORCES	 (Ib) - Max. Comp./Max. Ien All forces 250 (Ib) or less except when shown. 2-3=-1293/0, 3-4=-1998/0, 4-5=-2197/0, 5-6=-2009/0, 6-7=-1290/0
FORCES TOP CHORD BOT CHORD	 (Ib) - Max. Comp./Max. Ien All forces 250 (Ib) or less except when shown. 2-3=-1293/0, 3-4=-1998/0, 4-5=-2197/0, 5-6=-2009/0, 6-7=-1290/0 15-16=0/783, 14-15=0/1776, 13-14=0/2197, 12-13=0/2197, 11-12=0/2197, 10-11=0/1764, 9-10=0/787
FORCES TOP CHORD BOT CHORD WEBS	(b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 2-3=-1293/0, 3-4=-1998/0, 4-5=-2197/0, 5-6=-2009/0, 6-7=-1290/0 15-16=0/783, 14-15=0/1776, 13-14=0/2197, 12-13=0/2197, 11-12=0/2197, 10-11=0/1764, 9-10=0/787 7-9=-985/0, 2-16=-980/0, 7-10=0/655, 2-15=0/664, 6-10=-617/0, 3-15=-630/0,

6-11=0/379, 3-14=0/338, 4-14=-399/0, 5-11=-427/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200850	F209	Floor	2	1	Job Reference (optional)	
Carolina Structural Systems, Star, NC 27356, user Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:34					o 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:34 F	Page: 1

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Plate Offsets (X, Y): [9:0-3-0,Edge]

Load	ling	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	-	40.0	Plate Grip DOL	1.00	тс	0.49	Vert(LL)	-0.13	14-15	>999	480	MT20	244/190	
TCDI	L	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.18	14-15	>959	240			
BCLL	_	0.0	Rep Stress Incr	YES	WВ	0.41	Horz(CT)	0.01	9	n/a	n/a			
BCDI	L	5.0	Code	IRC2015/TPI2014	Matrix-S	-	(-)					Weiaht: 74 lb	FT = 20%F. 11%E	
												····g····		
ш	REP													
TOP	CHORD	2x4 SP No 2(flat)												
BOT	CHORD	2x4 SP No 2(flat)												
WFB	S	2x4 SP No 3(flat)												
ОТН	FRS	2x4 SP No 3(flat)												
BRA		Ctructural wood abo	athing directly applied											
TOP	CHORD	Structural wood sheathing directly applied or												
POT		Digid coiling directly	6-0-0 oc purlins, except end verticals.											
БОТ	CHORD	Rigid ceiling directly applied or 10-0-0 oc												
		bracing.												
REA	CTIONS	(lb/size) 9=626/0-3	3-8, (min. 0-1-8),											
		17=621/0	-3-8, (min. 0-1-8)											
FOR	CES	(Ib) - Max. Comp./Max. Ten All forces 250												
		(Ib) or less except when shown.												
TOP	CHORD	2-3=-1263/0, 3-4=-1	939/0, 4-5=-2106/0,											
		5-6=-2106/0, 6-7=-1	643/0, 7-8=-698/0,											
		8-9=-701/0												
BOT	CHORD	16-17=0/766, 15-16	=0/1735, 14-15=0/210	6,										
		13-14=0/2106, 12-1	3=0/1990, 11-12=0/12	96										
WEB	S	9-11=0/870, 2-17=-9	959/0, 7-11=-779/0,											
		2-16=0/646, 7-12=0	/452, 3-16=-614/0,											
		6-12=-452/0, 3-15=0	0/325, 5-13=-294/1,											
		4-15=-364/0, 6-13=-	-41/465											
NOT	ES													
1) U	Inbalance	ed floor live loads hav	e been considered for											
th o	his desigr	1.												
2) A	ul plates a	are 3x3 M 120 unless	otherwise indicated.											
3) 1	nis truss	is designed in accord	lance with the 2015											
Ir		hai Residential Code s		a										
	(0UZ. 1U.Z	JUZ 10.2 and relefenced standard ANSI/TPT1.												
4) R		and footoned to an	on euge, spaceu at											
1	0-00-00 0 0 121" Y 1	3") poils Strongback	ch truss with 3-100	lle										
()	t their out	ter ende or restrained	by other means	110										
5) G	an hetwa	en inside of top chor	d bearing and first											
5) C	iadonal o	or vertical web shall no	a scaring and inst											
6) C		Do not erect truce b	ackwarde											
J, U			uonmarus.											

Q2200850			indee i jpe		Quy	FIY	Uai	manni	11162 - 1	orget	IVIE NOLA & D	
	F210		Floor Girder		1	1	Job	Refere	nce (opt	ional)		
Carolina Structural System	is, Star, NC 27	356, user	-	Run: 8.42 S Feb	10 2021 II	Print: 8.420 S D:PnHlq?Qgpg	5 Feb 10 2 3VW6U1q	021 MiTe 6Twy0vz	ek Industr EidT-HvA	ies, Inc 4u6GE	. Fri Sep 30 11:14: dCiPjvONs7dT3NA	35 Page: _fqPqK4GLsq9buTyYTc
					<u>1-1-4</u>							
				1-3-0								
			3	3x3 3x3		3x3						
			0-11-0 	1 6 7 2 W2 H B1	8	3		+ 0-11-0 +				
				3x6		3x6						
Scale = 1:24			×	<u>2-10-4</u> 2-10-4								
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI TC BC WB	0.81 0.26 0.11	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.01 0.00	(loc) - 4-5 4	l/defl n/a >999 n/a	L/d 999 240 n/a	PLATES MT20	GRIP 244/190

LUMBER	
TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-10-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 4=877/ Mechanical, (min. 0-1-8), 5=739/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
TOP CHORD	1-5=-329/0, 3-4=-420/0
BOT CHORD	4-5=0/690
WEBS	2-5=-796/0, 2-4=-821/0
NOTES	
1) Refer to gi	rder(s) for truss to truss connections.
2) This truss	is designed in accordance with the 2015
Internation	al Residential Code sections R502 11 1 and

- R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Recommend 2x6 strongbacks, on edge, spaced at (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

- LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)

 - Vert: 4-5=-10, 1-3=-100

 - Concentrated Loads (lb) Vert: 3=-124, 6=-559, 7=-84, 8=-563

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200850	F211	Floor	2	1	Job Reference (optional)	
Carolina Structural Systems, Star, NC 27356, user Run: 8.42 S Feb 10 2021 Print: 8.420 S Feb 10 2021 MiTek Industries, Inc. Fri Sep 30 11:14:35						age: 1

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Scale = 1:31.2

00010 - 1.01.2				0-4-0									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	0.00	5-6	>999	240			
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E	
LUMBER													

L

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 1=182/0-3-8, (min. 0-1-8), 5=176/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
WEBS	3-5=-263/0
NOTES	
1) This truss	is designed in accordance with the 2015
Internation	al Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1.

- R802.10.2 and reterenced standard ANSI/TPI 1.
 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 3) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 4) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	F212	Floor	8	1	Job Reference (optional)

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S

1-2-0

Scale = 1:29.6		1			11-11-0						1	
Loading	(psf)	Spacing	1-7-3	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.56	Vert(LL)	-0.13	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.17	11-12	>838	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 61 lb	FT = 20%F, 11%E
LUMBER TOP CHORD 2	2x4 SP No.2(flat)						_	_			-	

11-11-0

BOT CHORD	2x4 SP No 1(flat)
WEBS	2x4 SP No 3(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purling except end verticals
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(lb/size) 8=513/0-3-8, (min. 0-1-8), 14=508/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
TOP CHORD	2-3=-980/0, 3-4=-1386/0, 4-5=-1309/0, 5-6=-1033/0
BOT CHORD	13-14=0/1309, 0, 10=0/1309, 11=0/1309, 11=0/1309, 0, 10=0/1200, 0, 10=0/1200, 0, 0=0/1200, 0=0/1
WEBS	6-8=-738/0 2-14=-767/0 6-9=0/588

2-13=0/477, 3-13=-457/0, 5-10=0/415, 5-9=-698/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated. 3) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.



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Scale = 1:23.3

1-2-0

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 53 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)						·					
BRACING TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applie ccept end verticals.	d or									

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 11-11-0.

- (lb) Max Grav All reactions 250 (lb) or less at joint (s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
- FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing. 2)
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc. 4)
- This truss is designed in accordance with the 2015 5) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







Scale = 1:23.3

1-2-0

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 53 lb	FT = 20%F, 11%E

LUMBER

LOWIDER								
TOP CHORD	2x4 SF	P No.2(flat)					
BOT CHORD	2x4 SF	P No.2	flat)					
WEBS	2x4 SF	P No.3	flat)					
OTHERS	2x4 SF (flat)	P No.3((flat) *E	Except*	BL1	:2x4 S	SP N	lo.2
BRACING								
	<u> </u>							

TOP CHORD	Structural wood sheathing directly applied o
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.

REACTIONS All bearings 11-11-0.

(lb) - Max Grav	All reactions 250 (lb) or less at joint
	(s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3)
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Gable studs spaced at 1-4-0 oc. 4)

- This truss is designed in accordance with the 2015 5) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200850	K203	Floor Supported Gable	1	1	Job Reference (optional)

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1

20

3x3

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2

S

19



3

18

4

17



5

16

3x3



13

12

14



3x3

3x3



1-2-0



15

Scale = 1:22.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 53 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat) *Except* BL1:2x4 SP No.2
	(flat)
BRACING	

TOP CHORD	Structural wood sheathing directly applied o 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 11-7-8.

(lb) - Max Grav	All reactions 250 (lb) or less at joint (s) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3)
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 5) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.7) CAUTION, Do not erect truss backwards.



APPROVAL	/OIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS 2 YOU.	DATE:		Carolina Structural Systems	Roof Trusses • Floor Trusses • EWP Carolina Structural Systems	P.O. Box 157, Ether, NC 27247 225 Frame Shop Rd, Star, NC 27356 910-491-9004
SHOP DRAWING	JURCE FOR FABRICATION OF TRUSSES AND V ROVAL OF THIS LAYOUT MUST BE RECEIVED ES THAT WILL RESULT IN EXTRA CHARGES TO	APPROVED BY:		CAROLINA STRUCTURAL SYSTEMS, LLC Star, NO Part E20-437 Star, NO Part E20-437	<u>OOF DATA</u>	Area: 1722.28 SF
	THIS LAYOUT IS THE SOLE SOLT IS THE SOLE SOLT IN THE SOLT SOLT IN THE ADD APP TO INSURE AGAINST CHANG	REVIEWED BY:	E RIGHT		2 2	Roof
<u>ONLY</u>	at the specification of the The building designer is e. The design of the truss suppc eneral guidance regarding dison, WI 53179.		Plan: GARAG	Date: 1/5/2023	Sales Rep: RW	Designer: JSP
THIS IS A TRUSS PLACEMENT DIAGRAM	ese trusses are designed as individual building components to be incorporated into the building design ilding designer. See individual design sheets for each truss design identified on the placement drawing." ponsible for temporary and permanent bracing of the roof and floor system and for the overall structure ucture including headers, beams, walls, and columns is the responsibility of the building designer. For ge acing, consult "Bracing of Wood Trusses" available from the Truss Plate Institute, 583 D'Onifrio Drive; Ma		lob #: Q2200851 FORGET ME NOT B ROOF	Customer: GARMAN HOMES	Site Address:	City, ST, ZIP:



- 11	м	R	F	R	

BCDL

LUMBER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
BRACING	
TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-23, 7-24, 9-22
REACTIONS	All bearings 24-4-0.
(lb) -	Max Horiz 29=-207 (LC 10)
	Max Uplift All uplift 100 (lb) or less at joint(s)
	17, 18, 19, 20, 21, 22, 24, 25, 26,
	27, 28, 29
	Max Grav All reactions 250 (lb) or less at joint
	(s) 17, 18, 19, 20, 21, 22, 23, 24,
	25, 26, 27, 28, 29
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	1-0=-232/233, 0-9=-231/233
VVEDO	0-23202/11/

10.0

Code

NOTES

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

- Wind: ASCE 7-10; Vult=120mph (3-second gust) 2) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-1-12 to 3-1-12, Exterior (2) 3-1-12 to 12-2-8, Corner (3) 12-2-8 to 15-2-8, Exterior (2) 15-2-8 to 25-2-8 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
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Gable studs spaced at 2-0-0 oc. 7)

IRC2015/TPI2014

This truss has been designed for a 10.0 psf bottom 8)

Matrix-AS

chord live load nonconcurrent with any other live loads. 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle

Weight: 182 lb

FT = 20%

- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 10) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 100 lb uplift at joint (s) 29, 17, 24, 25, 26, 27, 28, 22, 21, 20, 19, 18.
- 11) 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.
- 12) This truss design requires that a minimum of 7/16' structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- LOAD CASE(S) Standard

Job		Truss		Truss Ty	ре		Q	ty	Ply	Garman He	omes - F	orget I	Ve Not A & B	
Q2200851		A02		Commo	on		5		1	Job Refere	ence (opt	ional)		
Carolina Structur	ral Systems, Sta	ır, NC 273	56, user			Run: 8.42 S	Feb 10 202	1 Print: 8	3.420 S Feb	10 2021 MiTel	k Industrie	s, Inc. I		2 Page: 1
			<u> </u>	7-4-8 7-4-8	8-3-12 0-11-4	<u>12-2-8</u> 3-10-12	16-1 3-10 3x4	-12 -12 -12	7-0-8 	<u>24-4-0</u> 7-3-8		25-2-8 	}	
	11-2-9	0-9	-3 1 2 3x4 2 -3 3x6	33	2-1 3x4 30 10 ¹² 3 ⁴ 5 9 9 9 9 20 7-6-4 10	11-3 2 2 2 2 2 2 3 12 2 3 18 MT -7-3 12-2	6 -11-3 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 9 0-2 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	2-11-3 5× 31 0-7-9 9	8 7 8 W1 93 60 12 12		3x4 32 94 33	y ₂ 10 ₩ x4 3x8	119-3 <u></u>	
Scale = 1:69.3]	7-4-8	0-1-12	1-6-1	 3 1 7 12	3-0-15	 0-1-12	7-3-8		1		
Plate Offsets (2	X, Y): [1:0-3-1	10,0-0-1]	, [6:0-2-0,Edge], [7:0)-4-0,0-3-4	4], [10:0-3-0,0 - 3	3 - 7] ²	1-7-13							-
Loading TCLL (roof) TCDL BCLL BCDL LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING	2x4 SP No.2 2x4 SP DSS 2x4 SP No.3 Left 2x4 SP No.2 1-6-0	(psf) 20.0 10.0 0.0* 10.0 2 *Except 3 *Except 3 No.2 1	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code * T1,T4:2x4 SP No. * B2:2x4 SP No.2 -11-5, Right 2x4 SP	IRC20 7) 1 8) 9)	2-0-0 C 1.00 T 1.15 E NO V 15/TPI2014 M Refer to girder This truss is de International R R802.10.2 and This truss desi structural wood chord and 1/2"	CSI TC 3C WB Matrix-AS (s) for truss esigned in a tesidential C I referenced gn requires d sheathing gypsum sh	0.8 0.6 0.3 to truss co ccordance Code section I standard that a min be applied eetrock be	DEF 9 Vert 2 Vert 2 Hor 2 Hor	FL (LL) (CT) z(CT) e 2015 2.11.1 and PI 1. f 7/16" y to the top d directly t	in (loc) 0.56 20-23 0.64 20-23 0.08 10	I/defl >520 >453 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 137 lb	GRIP 244/190 244/190 FT = 20%
TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 6-0-0 oc bra 1 Row at mi	ood shea directly cing: 13- dpt 5	athing directly applie applied. Except: 19 i-7	ed. LO	the bottom cho AD CASE(S)	ord. Standard								
REACTIONS FORCES TOP CHORD BOT CHORD WEBS	(ID/SIZE) 1= 10 Max Horiz 1= (Ib) - Max. C (Ib) or less e 1-2=-343/34 3-4=-866/93 8-32=-1199// 1-33=-71/95 16-18=0/965 12-34=0/955 12-13=0/426 19-20=0/426	=1069/ M)=1124/0 =-192 (LC comp./Ma except wh , 2-29=-1 , 4-5=-84 0, 9-32=- 5, 20-33: 5, 20-33: 0, 15-16= 5, 10-34= 0, 8-13=0 6, 3-19=0	echanical, (min. 0-1 -3-8, (min. 0-1-8) 2 10) ix. Ten All forces 2 ien shown. 322/0, 3-29=-1202/ 12/97, 7-8=-864/97, 1339/0 =0/955, 18-20=0/969 0/969, 12-15=0/969 0/955 1535, 5-7=-913/96, /547	-8), 250 0, 9,										
NOTES 1) Unbalance design. 2) Wind: ASC Vasd=95m B=45ft; L= MWFRS (a Interior (1) Interior (1) Interior (1) Interior (1) Interior (1) Interior (1) All plates a 4) All plates a 5) This truss chord live 6) * This truss on the bott 3-06-00 ta chord and	ed roof live loa CE 7-10; Vult= ph; TCDL=6.0 24ft; eave=4ft directional) an 3-0-0 to 12-2 15-2-8 to 22- end vertical le and forces & I OL=1.60 plate are MT20 plate are MT20 plate are MT20 plate are AMT20 has been des load nonconces s has been de tom chord in a II by 2-00-00 v any other me	ads have 120mph 10psf; BCI t; Cat. II; d C-C E2- -8, Exter 2-8 zone efft and rig MWFRS 9 grip DO es unless 9 grip DO es unless 9 unless o igned for urrent wii esigned for urrent wii esigne for urrent wii esigned for urent wi esigned for urrent wi	been considered fo (3-second gust) DL=6.0psf; h=25ft; Exp B; Enclosed; terior (2) 0-0-0 to 3 ior (2) 12-2-8 to 15- ; cantilever left and ht exposed;C-C for for reactions shown L=1.60 s otherwise indicate therwise indicated. • a 10.0 psf bottom th any other live loa or a live load of 20.0 where a rectangle fit between the bottor ith BCDL = 10.0psf	r this -0-0, 2-8, right ; d. ds. psf										



Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-AS	0.92 0.97 0.35	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.65 -0.74 0.09	(loc) 14-17 14-17 1	l/defl >446 >394 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 123 lb	GRIP 244/190 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.1 2x4 SP No.3 Left 2x4 SP No.2 No.2 1-11-9 Structural wood she Rigid ceiling directly 1 Row at midpt (Ib/size) 1=972/0-0 10=1027// Max Horiz 1=-192 (L Max Uplift 1=-7 (LC Max Grav 1=1111 (L	1-11-9, Right 2x4 SP eathing directly applied. 7 applied. 5-7 0-8, (req. 0-1-8), 0-3-8, (min. 0-1-8) C 10) 12), 10=-29 (LC 12) C 20), 10=1161 (LC 21)	 WARNING: than input b Provide met bearing plat and 29 lb up This truss is Internationa R802.10.2 a This truss di structural we chord and 1 the bottom c LOAD CASE(S) 	Required bearing s earing size. chanical connection e capable of withsta lift at joint 10. designed in accord Residential Code s not referenced stan asign requires that a bod sheathing be ap (2" gypsum sheetro chord. Standard	ize at jo (by oth anding 7 lance w sections dard AN a minim oplied d ck be a	int(s) 1 great ers) of truss / Ib uplift at jo s R502.11.1 a ISI/TPI 1. um of 7/16" irectly to the pplied directl	ter bint 1 and top ly to					
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)									
TOP CHORD	1-2=-347/4, 2-23=-1 3-4=-914/145, 4-5=- 8-26=-1281/85, 9-26	410/52, 3-23=-1284/86 894/149, 7-8=-911/148, 5=-1417/45	,									
BOT CHORD	1-27=-111/1019, 14- 13-14=0/1019, 12-13 10-28=0/1019	-27=0/1019, 3=0/1019, 12-28=0/101	9,									
WEBS	8-12=0/518, 3-14=0/	/503, 5-7=-952/171										
NOTES 1) Unbalance design. 2) Wind: ASC Vasd=95m B=45ft; L= MWFRS (c Interior (1) Interior (1) exposed; members a Lumber Do	ed roof live loads have CE 7-10; Vult=120mph ph; TCDL=6.0psf; BC 24ft; eave=4ft; Cat. II; directional) and C-C E 3-0-0 to 12-2-8, Exte 15-2-8 to 25-2-8 zon end vertical left and ri and forces & MWFRS OL=1.60 plate grip DC	e been considered for th (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Exterior (2) 0-0-0 to 3-0- rior (2) 12-2-8 to 15-2-8 e; cantilever left and rig ight exposed;C-C for for reactions shown; DL=1.60	nis 0, 8, ht									

- 3) All plates are MT20 plates unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a restande.
- 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.



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.88	Vert(LL)	-0.62	15-18	>469	240	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.68	15-18	>429	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.09	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		. ,	_		_		Weight: 124 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3 Left 2x4 SP No.2 -- 1-11-9. Right 2x4 SP SLIDER No.2 -- 1-11-9 BRACING TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied. WEBS 1 Row at midpt 6-8 REACTIONS (lb/size) 2=1023/0-3-8, (min. 0-1-8),

- 11=1023/0-3-8, (min. 0-1-8)

 Max Horiz 2=195 (LC 11)

 Max Uplift 2=-29 (LC 12), 11=-29 (LC 12)

 Max Grav 2=1156 (LC 17), 11=1156 (LC 18)

 FORCES

 (lb) or less except when shown.

 TOP CHORD
 2-3=-282/148, 3-24=-1401/44, 4-24=-1271/79, 4-5=-1225/84, 5-6=-908/147, 8-9=-902/148, 9-27=-1268/84, 10-27=-1406/45

 BOT CHORD
 2-28=-100/1010, 15-28=0/1010,
- 14-15=0/1010, 13-14=0/1010, 13-29=0/1010, 11-29=0/1010 WEBS 9-13=0/515, 5-15=0/501, 6-8=-938/167

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 12-1-8, Exterior (2) 12-1-8 to 15-1-8, Interior (1) 15-1-8 to 25-1-8 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
- 3) All plates are MT20 plates unless otherwise indicated.4) This truss has been designed for a 10.0 psf bottom
- I his truss has been designed for a 10.0 psr bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 2 and 29 lb uplift at joint 11.
- 7) 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.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- LOAD CASE(S) Standard





FT = 20%

TCDL BCLL BCDL	10.0 0.0* 10.0	Lumber DOL Rep Stress Incr Code	1.15 YES IRC2015/TPI2014	BC WB Matrix-MR	0.05 0.19	Vert(CT) Horz(CT)	n/a 0.00	- 10	n/a n/a	999 n/a	Weight: 79 lb
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORE	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	eathing directly applie ccept end verticals. y applied or 10-0-0 oc	10) Provide med bearing plat (s) 16, 10, 1 11) This truss is International R802.10.2 a LOAD CASE(S)	chanical connect e capable of with 4, 15, 12, 11. designed in ac I Residential Co Ind referenced s Standard	ction (by oth hstanding cordance w ode section: standard At	ners) of truss 100 lb uplift a vith the 2015 s R502.11.1 NSI/TPI 1.	to at joint and				
REACTIONS (lb) - FORCES	All bearings 11-11-0. Max Horiz 16=153 (I Max Uplift All uplift 1 10, 11, 12 Max Grav All reactio (s) 10, 11 (lb) - Max. Comp./M (lb) or less except w	LC 11) 100 (lb) or less at join 2, 14, 15, 16 ons 250 (lb) or less at , 12, 13, 14, 15, 16 lax. Ten All forces 2 /hen shown.	t(s) : joint 250								

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -0-10-8 to 1-11-8, Exterior (2) 1-11-8 to 5-11-8, Corner (3) 5-11-8 to 8-11-8, Exterior (2) 8-11-8 to 12-9-8 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
- 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.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 7) Only study and study and study on the study and study and
- 7) Gable studs spaced at 2-0-0 oc.
- 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.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200851	B02	Common	2	1	Job Reference (optional)	
Carolina Structural Systems, Sta	10 2021 MiTek Industries, Inc. Mon Oct 03 14:20:04	Page: 1				

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Scale = 1:49.4

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

Loading TCLL (roof) TCDL BCLL BCLL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MS	0.40 0.38 0.12	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.07 0.03	(loc) 8-15 8-15 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 65 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2 1-6-0	1-6-0, Right 2x8 SP No	 5) Provide medbearing plate 2 and 25 lb (6) This truss is .2 International R802.10.2 a 	hanical connec capable of wit uplift at joint 6. designed in ac Residential Co nd referenced s	tion (by oth hstanding 2 cordance wi de sections standard AN	ers) of truss 5 lb uplift at ith the 2015 R502.11.1 ISI/TPI 1.	to joint and					
BRACING TOP CHORD BOT CHORD	Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	eathing directly applied of applied of applied or 10-0-0 oc	LOAD CASE(S)	Standard								
REACTIONS	(lb/size) 2=529/0-3 6=529/0-3 Max Horiz 2=131 (LC Max Uplift 2=-25 (LC Max Grav 2=549 (LC	3-8, (min. 0-1-8), 3-8, (min. 0-1-8) C 11) C 12), 6=-25 (LC 12) C 17), 6=549 (LC 18)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)									
TOP CHORD	(ib) or less except w 2-3=-275/157, 3-17= 4-18=-425/99, 4-19= 19-20=-436/74, 5-20	/nen snown. =-516/66, 17-18=-437/7 =-425/100,)=-516/67	3,									
BOT CHORD	2-21=-89/329, 8-21= 6-22=0/329	=0/329, 8-22=0/329,										
 NOTES 1) Unbalance design. 2) Wind: ASC Vasd=95m B=45ft; L= MWFRS (i 2-1-8, Inte 8-11-8, Inte and right e C for mem shown; Lu 3) This truss chord live. 	ed roof live loads have CE 7-10; Vult=120mpt ph; TCDL=6.0psf; BC :24ft; eave=4ft; Cat. II directional) and C-C E rior (1) 2-1-8 to 5-11-4 erior (1) 8-11-8 to 12- exposed ; end vertical ibers and forces & MV mber DOL=1.60 plate has been designed for load nonconcurrent w	e been considered for th DL=6.0psf; h=25ft; ; Exp B; Enclosed; Exterior (2) -0-10-8 to 8, Exterior (2) 5-11-8 to 9-8 zone; cantilever left left and right exposed; WFRS for reactions e grip DDL=1.60 or a 10.0 psf bottom ith any other live loads.	nis C-									
4) * This trus on the bot 3-06-00 ta chord and	to a nonconcurrent w s has been designed tom chord in all areas Il by 2-00-00 wide will any other members,	for a live load of 20.0ps where a rectangle for between the bottom with BCDL = 10.0psf.	f									

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200851	B03	Common Girder	1	2	Job Reference (optional)	
Carolina Structural Systems, Sta	r. NC 27356, user	Run: 8.42 S Feb 10	2021 Print: 8	3.420 S Feb	10 2021 MiTek Industries, Inc. Mon Oct 03 14:20:04	Page:



Plate Offsets (X, Y): [19:0-4-12,0-1-8]

Scale = 1:62.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	IRC2015	2-0-0 1.00 1.15 NO /TPI2014	CSI TC BC WB Matrix-MS	0.30 0.94 0.69	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.12 0.02	(loc) 19-25 19-25 1	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 296 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD BOT CHORD JOINTS	2x4 SP No.2 2x6 SP No.2 2x4 SP No.3 *Excep 2x4 SP No.3 Left 2x6 SP No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 1 Brace at Jt(s): 20 22	pt* W3:2x4 SP No.2 1-6-0 eathing directly applied of coept end verticals. y applied or 10-0-0 oc	2) AI ex C, pr ur 3) Ui de 4) W Va B B B M er pl or	loads are cept if not ASE(S) se ovided to less other balanced sign. ind: ASCE isd=95mp +45ft; L=2 WFRS (dii d vertical ate grip D	e considered equ: ed as front (F) or ction. Ply to ply c distribute only loa wise indicated. roof live loads h: 7-10; Vult=120n h; TCDL=6.0psf; 4ft; eave=4ft; Cat left and right exp DL=1.60	ally applie r back (B) connectior ads noted ave been nph (3-sec BCDL=6.1 t. II; Exp B ver left an bosed; Lun	d to all plies, face in the L(is have been as (F) or (B), considered for cond gust) 0psf, h=25ft; ; Enclosed; d right expos nber DOL=1.6	DAD or this ed ; 50	1) De Pla Un Co	ad + Ro ite Incre iform Lc /ert: 1-5 ncentra /ert: 18: 27=-104	of Live ase=1 bads (Ik =-60, 4 ted Loa =-1049 9, 29=	(balanced): Lun .00 5-10=-60, 10-11= ads (lb) , 12=-963, 19=-1 -1049, 31=-1049	nber Increase=1.15, -60, 12-23=-20 049, 17=-952, , 32=-952, 33=-952
REACTIONS (lb) -	All bearings 6-5-12. e Max Horiz 1=204 (LI Max Uplift All uplift 1 14 excep 16=-1824 Max Grav All reactio (s) 16 exc 12=1275 14=1315 14), 17=3	except 1=0-3-8, 17=0-3- C 7) 100 (Ib) or less at joint(s) 4 (LC 14) ons 250 (Ib) or less at jo cept 1=3117 (LC 1), (LC 13), 13=710 (LC 14) (LC 14), 15=2931 (LC 1847 (LC 14)	5) T 8 or 6) Al 7) G 7) G 7) G 7) G 7) G 7) G 7) G 7) G	uss desig ly. For sti e Standar consult q plates ar able studs is truss h ord live lo his truss the botto 06-00 tall	ned for wind load uds exposed to w d Industry Gable aulified building c e 2x4 MT20 unle spaced at 2-0-0 as been designe m chord in all are by 2-00-00 wide	ds in the p vind (norm End Deta designer a ss otherwi oc. d for a 10. th with any ed for a liv eas where will fit betw	lane of the tru al to the face ills as applica is per ANSI/TI ise indicated. 0 psf bottom other live loa re load of 20. a rectangle ween the bott	uss), ble, PI 1. ads. Opsf om					
FORCES	(lb) - Max. Comp./M (lb) or less except w 1-2=-2677/0, 2-3=-2	lax. Ten All forces 250 /hen shown. 2769/0, 9-10=-258/93,	ch 10) Pr be (s	ord and a ovide med aring plat 14 excer	ny other member chanical connecti e capable of with of (it=lb) 16=1824	rs, with BC on (by oth standing 1 13=330	CDL = 10.0ps lers) of truss 100 lb uplift a	f. to t joint					
BOT CHORD	10-12=-281/27 1-27=0/2018, 27-28 19-29=0/2018, 18-1 30-31=0/2018, 17-3	=0/2018, 28-29=0/2018 9=0/2018, 18-30=0/201 i1=0/2018, 16-17=0/201	, 11) Tł , In 8, Ri 8 10) Tł	is truss is ernationa 302.10.2 a	designed in account of the second sec	ordance w le sections andard AN	ith the 2015 s R502.11.1 a NSI/TPI 1.	ind					
WEBS	3-21=-2707/0, 20-2 20-22=-2680/0, 16-2	1=-2670/0, 22=-2711/0, 3-19=0/341	12) If 5 Ca	iis truss h se(s). Pro ainst upw	as large uplift rea per connection is ard movement at	iction(s) fr s required t the beari	om gravity loa to secure tru: pas. Building	ad SS					
NOTES 1) 2-ply truss nails as for Top chord oc. Bottom ch staggered Web conn	s to be connected togo illows: s connected as follow ords connected as fo at 0-7-0 oc. ected as follows: 2x4	ether with 10d (0.131"x3 vs: 2x4 - 1 row at 0-9-0 llows: 2x6 - 2 rows - 1 row at 0-9-0 oc.	(") 13) Ha pr Ib dc at 19 17 cc	signer mu anger(s) o povided sur down at 2 10-0-12, down and 1b up at -11-8 on b nnection o	r other connection fficient to support 2-0-12, 1049 lb db 1-12, 1049 lb db 1097 lb down an 19 lb up at 14-C 16-0-12, and 110 pottom chord. Th device(s) is the re	lift reaction n device(s concentra own at 4- vn at 8-0- d 19 lb up 0-12, and 18 lb down ne design/s esponsibili	ns indicated. s) shall be ated load(s) 1 0-12, 1049 lb 12, 1049 lb at 12-0-12, 1097 lb down and 12 lb up selection of s ty of others.	049 own 1097 and at uch					

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200851	C01	Common Supported Gable	1	1	Job Reference (optional)

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Scale = 1:55.1

Plate Offsets (X, Y): [23:0-3-0,0-3-0]

Loading TCLL (roo TCDL BCLL BCDL	f)	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-AS	0.22 0.19 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 19	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 143 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHO BOT CHO OTHERS BRACING TOP CHO BOT CHO REACTIO (I	RD 2x4 SP N RD 2x4 SP N 2x4 SP N RD Structura RD Rigid ceil NS All bearing b) - Max Horiz Max Uplift Max Grav	o.2 lo.2 lo.3 l wood she ing directly s 29-11-0. 2=-51 (LC All uplift 1 2, 16, 18, 26, 27, 28 All reaction (s) 2, 16, 26, 27, 28	eathing directly applied. / applied. 00 (Ib) or less at joint(s 19, 20, 21, 22, 24, 25, 3, 29, 33 ons 250 (Ib) or less at jo 19, 20, 21, 22, 23, 24, 2 0, 33 except 18=403 (LC 03 (L C 21)	 8) * This truss I on the botto 3-06-00 tall chord and a 9) Provide mec bearing plat (s) 2, 24, 25 10) This truss is International R802.10.2 a 11) This truss do structural we chord and 1, the bottom of 25, LOAD CASE(S) 	has been desig m chord in all a by 2-00-00 wide hy other memb- chanical connect e capable of wit , 26, 27, 28, 22 designed in ac Residential Co nd referenced s esign requires t ood sheathing b (2" gypsum she hord. Standard	ned for a liv reas where e will fit betv ers. ction (by oth thstanding 1 c, 21, 20, 19, ccordance w ode sections standard AN that a minim be applied d petrock be a	e load of 20 a rectangle veen the bot ers) of truss 00 lb uplift a 18, 16, 2, 1 ith the 2015 is R502.11.1 ISI/TPI 1. um of 7/16" irectly to the pplied direct	.0psf tom tt joint 6. and top ly to					
FORCES WEBS NOTES 1) Unbala design 2) Wind: Vasd= B=45ff MWFF 2-1-8, 17-11- left an exposs reactio DOL= 3) Truss only. I	(lb) - Max (lb) or les 3-28=-26 anced roof live ASCE 7-10; VL 95mph; TCDL= t; L=30ft; eave= RS (directional) Exterior (2) 2- ¹ 8, Exterior (2) 2- d right exposed ed;C-C for mer ons shown; Lun 1.60 designed for w For studs expoo	Comp./M s except w 9/120, 15- loads have ilt=120mpl =6.0psf; BC =2ft; Cat. II and C-CC I.=8 to 14-1 17-11-8 to J; end vert nbers and nber DOL= vind loads i sed to wing	ax. Ten All forces 250 when shown. 18=-269/120 be been considered for the n (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) -0-10-8 to 1-8, Corner (3) 14-11-8 30-9-8 zone; cantilever ical left and right forces & MWFRS for e1.60 plate grip in the plane of the truss d (normal to the face), in the plane of a carbideter, the carbideter of the truss d (normal to the face), the carbideter of the truss) nis to									
see St or con 4) All pla 5) Gable 6) Gable 7) This tr chord	andard Industr sult qualified but tes are 2x4 MT requires contir studs spaced a uss has been o live load nonco	y Gable Er uilding des 20 unless nuous botto at 2-0-0 oc designed fo oncurrent w	nd Details as applicable igner as per ANSI/TPI 1 otherwise indicated. or or or a 10.0 psf bottom <i>r</i> ith any other live loads.	, 1.									

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200851	C02	Common	6	1	Job Reference (optional)

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Scale = 1:55.1

											-	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.65	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.54	10-12	>662	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		· · · ·					Weight: 125 lb	FT = 20%
LUMBER			6) Provide med	hanical conne	ction (by oth	ers) of truss	to		_		-	
TOP CHORI	2x4 SP No.2		bearing plat	e capable of wi	thstanding 3	81 lb uplift at	joint					
BOT CHORI	2 2x4 SP No.1		2 and 31 lb	uplift at joint 8.								
WEBS	2x4 SP No.3		This truss is	designed in ac	cordance w	ith the 2015						
BRACING			Internationa	Residential Co	ode sections	8 R502.11.1	and					
TOP CHORI) Structural wood she	athing directly applied	R802.10.2 a	nd referenced	standard AN	ISI/TPI 1.						
BOT CHORI	D Rigid ceiling directly	applied	8) This truss d	esign requires t	that a minim	um of 7/16"						
			structural w	ood sheathing b	pe applied d	irectly to the	top					
REACTIONS	3 (lb/size) 2=1249/0-	-3-8, (min. 0-1-8),	chord and 1	/2" gypsum she	eetrock be a	pplied direct	ly to					
	8=1249/0-	-3-8, (min. 0-1-8)	the bottom of	nora.								
	Max Horiz 2=51 (LC	(11)	LOAD CASE(S)	Standard								
		, 12), 8=-31 (LC 12)	_									
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)									
	(lb) or less except w	hen shown.										
TOP CHORL) 2-19=-2944/147, 3-1	19=-2912/169,										
	3-4=-25/8/109, 4-20	J=-2501/121,										
	5-20=-2491/135, 5-2	21=-2491/130, z= 2578/400										
	7 22- 2012/160 8 2	/ =-2070/109, 00- 0044/147										
	7 - 22 = -29 12/109, 0-2 2 - 12 = -100/2762, 12	-23=-31/1801										
	11-23=-31/1801 11-	-2331/1801,										
	10-24=-31/1801 8-1	10=-108/2762										
WEBS	5-10=0/834 7-10=-5	554/138 5-12=0/834										
00	3-12=-554/138											
NOTES	2 12 00 0 100											
1) Unbalan	ced roof live loads have	e been considered for t	his									
design.												
2) Wind AS	SCE 7-10: Vult=120mph	(3-second aust)										
Vasd=95	mph: TCDL=6.0psf: BC	DL=6.0psf: h=25ft:										
B=45ft: L	=30ft; eave=4ft; Cat. II:	; Exp B; Enclosed:										
MWFRS	(directional) and C-C E	Exterior (2) -0-10-8 to										
2-1-8, In	terior (1) 2-1-8 to 14-11-	-8, Exterior (2) 14-11-8	to									
17-11-8,	Interior (1) 17-11-8 to 3	0-9-8 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

- 3) All plates are MT20 plates unless otherwise indicated.4) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200851	D01	Monopitch Supported Gable	1	1	Job Reference (optional)

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1-0-12









Scale = 1:20.9

					-							
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 7 lb	FT = 20%

LUMBER

LUMBER		
TOP CHORD	2x4 SP N	o.2
BOT CHORD	2x4 SP N	o.2
WEBS	2x4 SP N	o.2
BRACING		
TOP CHORD	Structura 1-8-4 oc j	I wood sheathing directly applied or purlins, except end verticals.
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(lb/size)	2=129/1-7-0, (min. 0-1-8), 4=50/1-7-0, (min. 0-1-8), 5=129/1-7-0, (min. 0-1-8)
	Max Horiz	2=25 (LC 11), 5=25 (LC 11)
	Max Uplift	2=-29 (LC 12), 5=-29 (LC 12)
FORCES	(lb) - Max (lb) or les	. Comp./Max. Ten All forces 250 s except when shown.

NOTES

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 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.
 Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom
- chord and any other members.Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 29 lb uplift at joint 2 and 29 lb uplift at joint 2.
- 7) Non Standard bearing condition. Review required.8) This truss is designed in accordance with the 2015
- 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

2x4 2x4

L	1-8-4	
1		1

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200851	D02	Monopitch	3	1	Job Reference (optional)

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1-8-4

0-1-8



0 - 1 - 4

0-



Scale = 1:24.3

		-	-										
_oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 7 lb	FT = 20%	
	-												

1-6-12 1-5-8

LUMBER						
TOP CHORD	2x4 SP N	o.2				
BOT CHORD	2x4 SP N	o.2				
WEBS	2x4 SP N	o.2				
BRACING						
TOP CHORD	Structura 1-8-4 oc	l wood purlins,	sheat exce	hing of en	directly a d vertical	oplied or ls.
BOT CHORD	Rigid ceil bracing.	ing dire	ctly a	pplied	d or 10-0-	0 oc
REACTIONS	(lb/size)	2=129 4=47/	//0-3-0 0-1-8,), (miı (min.	n. 0-1-8), 0-1-8)	
	Max Horiz	2=25	(LC 11	I)		
	Max Uplift	2=-29	(LC 1	2)		
		~		-		050

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 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
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint
- 7) 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.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B
Q2200851	V01	Valley	1	1	Job Reference (optional)

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-3-5

2x4





2-1-15



4-3-5

Scale = 1:24.5

Plate Offsets (X, Y): [2:0-2-0,Edge]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 14 lb	FT = 20%

2x4

- LUMBER
- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 BRACING

TOP CHORD	Structural wood sheathing directly applied or
	4-3-13 oc purlins.

- BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS
 (lb/size)
 1=171/4-3-5, (min. 0-1-8), 3=171/4-3-5, (min. 0-1-8)

 Max Horiz
 1=37 (LC 11) Max Uplift
 1=-1 (LC 12), 3=-1 (LC 12)

 FORCES
 (lb) - Max. Comp./Max. Ten. - All forces 250

NOTES

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

(lb) or less except when shown.

- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 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
- Gable requires continuous bottom chord bearing.
 This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 1 lb uplift at joint 3.
- 7) 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.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200851	V02	Valley	1	1	Job Reference (optional)	
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3







7-7-5

Scale = 1:31

												-		
_oading	-	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
FCLL (roof)		20.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
FCDL		10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	n/a	-	n/a	999			
BCLL		0.0*	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	3	n/a	n/a			
BCDL		10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%	
UMBER				LOAD CASE(S)	Standard			_	-			-		
FOP CHORD	2x4 SP N	lo.2		(-)										
BOT CHORD	2x4 SP N	No.3												
OTHERS	2x4 SP N	x4 SP No.3												
BRACING														
FOP CHORD	Structura	al wood she	athing directly applie	d or										
	7-7-13 o	c purlins.												
BOT CHORD	Rigid cei	iling directly	applied or 6-0-0 oc											
	bracing.													
REACTIONS	(lb/size)	1=36/7-7-	5, (min. 0-1-8),											
	. ,	3=36/7-7-	5, (min. 0-1-8),											
		4=537/7-7	7-5, (min. 0-1-8)											
	Max Horiz	: 1=69 (LC	11)											
	Max Uplift	: 1=-11 (LC	22), 3=-11 (LC 21),											
		4=-58 (LC	C 12)											
	Max Grav	1=65 (LC	21), 3=65 (LC 22), 4=	=537										
		(LC 1)												

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-4=-385/137

WEBS

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) 2) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 3-9-15, Exterior (2) 3-9-15 to 6-11-6, Interior (1) 6-11-6 to 7-7-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom 4) chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 11 lb uplift at joint 1, 11 lb uplift at joint 3 and 58 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200851	V03	Valley	1	1	Job Reference (optional)	
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10-11-5

Scale = 1:39.2

Loading		(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.15	BC	0.53	Vert(TL)	n/a	-	n/a	999		
BCLL BCDL		0.0* 10.0	Rep Stress Incr Code	YES IRC2015/TPI2014	WB Matrix-MS	0.35	Horiz(TL)	0.01	3	n/a	n/a	Weight: 45 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No. 2x4 SP No.	.2 .3		7) This truss is Internationa R802.10.2 a	designed in acc I Residential Coo Ind referenced s	cordance w de sections tandard AN	ith the 2015 8 R502.11.1 a ISI/TPI 1.	and					
BRACING	284 SF 110.	.5		LOAD CASE(S)	Stanuaru								
TOP CHORD	Structural v 10-0-0 oc p	wood she ourlins.	eathing directly applied	or									
BOT CHORD	Rigid ceilin bracing.	g directly	/ applied or 6-0-0 oc										
REACTIONS	(Ib/size) 1 3 4 Max Horiz 1 Max Uplift 1 4 Max Grav 1	=11/10-1 3=11/10-1 =854/10- =101 (LC =-48 (LC =-48 (LC =-105 (L =62 (LC LC 1)	11-5, (min. 0-1-8), 11-5, (min. 0-1-8), -11-5, (min. 0-1-8) C 11) C 22), 3=-48 (LC 21), C 12) 21), 3=62 (LC 22), 4=	854									
FORCES	(lb) - Max. (Comp./M	ax. Ten All forces 25	0									
TOP CHORD	(lb) or less 1-9=-141/2 2-11=-96/30	except w 75, 9-10= 63, 11-12	/hen shown. =-98/282, 2-10=-96/36 ?=-98/282, 3-12=-117/2	3, 275									
BOT CHORD	1-4=-275/1	56, 3-4=-	275/156										
WEBS	2-4=-665/2	18											
1) Unbalance	ed roof live lo	ads have	e been considered for	this									
design.													
2) Wind: ASC	CE 7-10; Vult	=120mph	n (3-second gust)										
B=45ft; L=	=24ft; eave=4	ft; Cat. II	; Exp B; Enclosed;										
MWFRS (directional) a	nd C-C E	Exterior (2) 0-0-4 to 3-0)-4,									
Interior (1)) 3-0-4 to 5-5) 8-5-15 to 10	-15, Exte)-11-9 zoi	nor (2) 5-5-15 to 8-5-1 ne: cantilever left and	э,									
right expo	sed ; end ver	tical left	and right exposed;C-C										
for member	ers and force	s & MWF	FRS for reactions show	/n;									
 Gable reg 	uires continu	ous botto	om chord bearing.										
4) This truss	has been de	signed fo	or a 10.0 psf bottom										
5) * This trus	 This truss has been designed for a live load of 20.0psf 												

- 5 ¹ This truss has been designed for a live load of 20.0pst 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. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 1, 48 lb uplift at joint 3 and 105 lb uplift at joint 4.
- 6)

Job	Truss	Truss Type	Qty	Ply	Garman Homes - Forget Me Not A & B	
Q2200851	V04	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, user	Run: 8.42 S Feb 10	2021 Print: 8	3.420 S Feb	10 2021 MiTek Industries, Inc. Mon Oct 03 14:20:07	Page: 1

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14-3-5

Scale = 1:46.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MS	0.67 0.56 0.91	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.02	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 60 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 10-0-0 oc purlins. Rigid ceiling directly bracing.	eathing directly applied or v applied or 6-0-0 oc	 6) Provide med bearing plate 1, 118 lb upl 7) This truss is International R802.10.2 a LOAD CASE(S) 	hanical connection e capable of withst ift at joint 3 and 19 designed in accor Residential Code nd referenced star Standard	n (by oth anding ´ 2 lb upli dance w sections ndard AN	ers) of truss t 118 lb uplift at ft at joint 4. ith the 2015 \$ R502.11.1 a ISI/TPI 1.	o joint nd					
REACTIONS	(Ib/size) 1=-61/14- 3=-61/14- 4=1264/1 Max Horiz 1=-133 (L Max Uplift 1=-118 (L Max Grav 1=92 (LC 4=1361 (I	3-5, (min. 0-1-8), 3-5, (min. 0-1-8), 4-3-5, (min. 0-1-8) C 10) C 22), 3=-118 (LC 21), C 12) 12), 3=92 (LC 12), -C 17)										
FORCES	(lb) - Max. Comp./M (lb) or less except w 1-9=-239/476, 9-10=	ax. Ten All forces 250 hen shown. =-160/488,										
BOT CHORD	2-10159/593, 2-1 11-12=-159/488, 3- 1-13=-442/220, 4-1 4-14=-442/220, 3-1 2-4=-1021/323	2=-139/381, 2=-189/476 3=-442/220, 1=-442/220										
NOTES												
 Unbalanc design. 	ed roof live loads have	e been considered for thi	s									
2) Wind: AS Vasd=95r	CE 7-10; Vult=120mpł nph: TCDI =6 0psf: B0	n (3-second gust) CDI =6 0psf: h=25ft:										
B=45ft; L= MWFRS (=24ft; eave=4ft; Cat. II (directional) and C-C E	; Exp B; Enclosed; Exterior (2) 0-0-4 to 3-0-4	L,									

Interior (1) 3-0-4 to 7-1-15, Exterior (2) 7-1-15 to 10-1-15, Interior (1) 10-1-15 to 14-3-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 4)
- * This truss has been designed for a live load of 20.0psf 5) 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.



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Scale = 1:52.9

		-									_	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.45	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(TL)	n/a	-	n/a	999	I	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 81 lb	FT = 20%
LUMBER			7) This truss is	designed in ac	cordance w	ith the 2015						
TOP CHORD	2x4 SP No.2		Internationa	Residential Co	ode sections	s R502.11.1 a	and					
BOT CHORD	2x4 SP No.2	2x4 SP No.2 R802.10.2 and referenced standard ANSI/TPI 1.										
OTHERS	2x4 SP No.3	2x4 SP No.3 LOAD CASE(S) Standard										
BRACING												
TOP CHORD	Structural wood she	eathing directly applied	d or									
BOT CHORD	Rigid ceiling directly	v applied or 10-0-0 oc										
201 0110112	bracing.) applica of 10 0 0 00										
WEBS	1 Row at midpt	3-7										
REACTIONS	All bearings 17-7-5.											
(lb) -	Max Horiz 1=165 (L	C 11)										
	Max Uplift All uplift 1	100 (lb) or less at joint	(s)									
	1, 5 exce	pt 6=-134 (LC 12), 9=	-134									
	(LC 12)	050 (11)										
	Max Grav All reaction	ons 250 (lb) or less at $6-520$ (LC 19)	joint									
	(S) 1, 5 6	C = 17 $Q = 5/4$ (LC 18),										
FORCES	(lb) - Max Comp (M	1av Ten - All forces 2	50									
IONOLO	(lb) or less except w	when shown	50									
TOP CHORD	2-14=-256/114											
WEBS	2-9=-411/242, 4-6=-	-411/241										
NOTES												
1) Unbalance	ed roof live loads have	e been considered for	this									
design.												
2) Wind: AS	CE 7-10; Vult=120mpl	h (3-second gust)										
Vasd=95r	nph; TCDL=6.0psf; B0	CDL=6.0pst; h=25ft;										
B=45π; L	=24π; eave=4π; Cat. II	I; EXP B; Enclosed;										
1VIVVFR5	$(u) = 0 (1) 2_9_{15} to 8_0$	=	15									
to 11-9-1	5 Interior (1) 11-9-15 t	o 17-7-9 zone: cantile	ver									
left and ri	aht exposed : end ver	tical left and right										
exposed;	C-C for members and	forces & MWFRS for										
reactions	shown; Lumber DOL=	=1.60 plate grip										
DOL=1.6												

- 3) Gable requires continuous bottom chord bearing.
- 4)́ This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- 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. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 5 except (jt=lb) 9=134, 6=134. 5)
- 6)