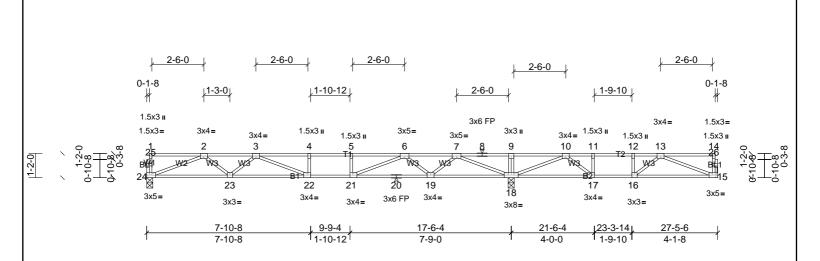
Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F1	Truss	4	1	Job Reference (optional)

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:35

Page: 1 ID:ObxBgQG7JX?zbJgmArzmwpyMExY-mMPpW2wONyvWkCDSHKoy81hCFn?LekT8oK5tSQyXmfN



Scale = 1:55.7

late Offsets (X, Y): [15:0-2-0,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge]												
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	0.82	Vert(LL)	-0.26	22-23	>809	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.35	22-23	>593	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 132 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

BOT CHORD 2x4 SP No.1(flat) BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

2x4 SP No.3(flat) WEBS **OTHERS** 2x4 SP No.3(flat)

REACTIONS 15=280/ Mechanical, (min. 0-1-8), 18=1424/0-3-8, (min. 0-1-8), (lb/size) 24=678/0-3-8, (min. 0-1-8)

Max Unlift 15=-13 (LC 3)

Max Grav 15=370 (LC 4), 18=1424 (LC 1), 24=688 (LC 10) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD $2-3=-1943/0,\ 3-4=-2576/0,\ 4-5=-2576/0,\ 5-6=-2576/0,\ 6-7=-1256/0,\ 7-8=0/1365,\ 8-9=0/1365,\ 9-10=0/1365,\ 10-11=-731/332,\ 11-12=-731/332,\ 12-13=-731/332$

BOT CHORD 23-24=0/1495, 22-23=0/2335, 21-22=0/2576, 20-21=0/1840, 19-20=0/1840, 18-19=-3/648, 17-18=-674/441, 16-17=-332/731, 15-16=-121/681

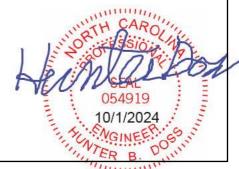
WEBS 7-18=-1934/0, 2-24=-1603/0, 7-19=0/813, 2-23=0/584, 6-19=-790/0, 3-23=-509/0, 6-21=0/915, 3-22=-51/456, 10-18=-1201/0, 13-15=-727/131, 10-17=0/682, 13-16=-269/63,

11-17=-328/0

NOTES

FORCES

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 15.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 5) 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.
- 6) CAUTION, Do not erect truss backwards.

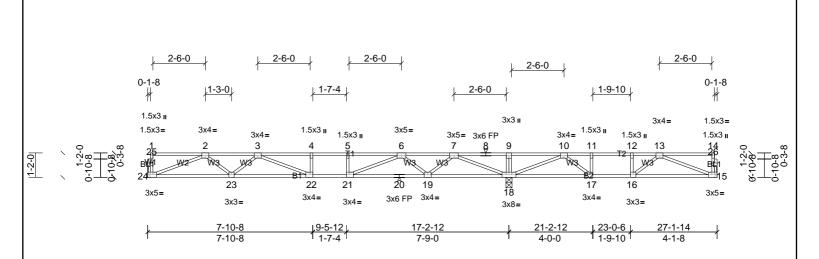




Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F2	Truss	9	1	Job Reference (optional)

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:35

Page: 1 $ID: 5WYzmqOOycFYnrRhly86KwyMExO-EYzBkOw08G1NMMnfr1JBhFELWAldNBtH0_qQ_tyXmfM$



Scale = 1:55.2

late Offsets (X, Y): [15:0-2-0,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge]												
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	0.85	Vert(LL)	-0.23	22-23	>877	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.32	22-23	>633	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 131 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2(flat)

BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. 2x4 SP No.3(flat) WEBS **OTHERS** 2x4 SP No.3(flat)

REACTIONS 15=278/ Mechanical, (min. 0-1-8), 18=1416/0-3-8, (min. 0-1-8), 24=662/ (lb/size)

Mechanical, (min. 0-1-8) Max Unlift 15=-14 (LC 3)

Max Grav 15=369 (LC 4), 18=1416 (LC 1), 24=674 (LC 10)

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

TOP CHORD $2-3=-1887/0,\ 3-4=-2474/0,\ 4-5=-2474/0,\ 5-6=-2474/0,\ 6-7=-1207/0,\ 7-8=0/1385,\ 8-9=0/1385,\ 9-10=0/1385,\ 10-11=-723/336,\ 11-12=-723/336,\ 12-13=-723/336$

BOT CHORD 23-24=0/1457, 22-23=0/2263, 21-22=0/2474, 20-21=0/1776, 19-20=0/1776, 18-19=-23/610, 17-18=-682/428, 16-17=-336/723, 15-16=-120/678

WEBS $7-18-1908/0,\ 2-24-1562/0,\ 7-19=0/799,\ 2-23=0/560,\ 6-19=-772/0,\ 3-23-490/0,\ 6-21=0/876,\ 3-22-89/425,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,$

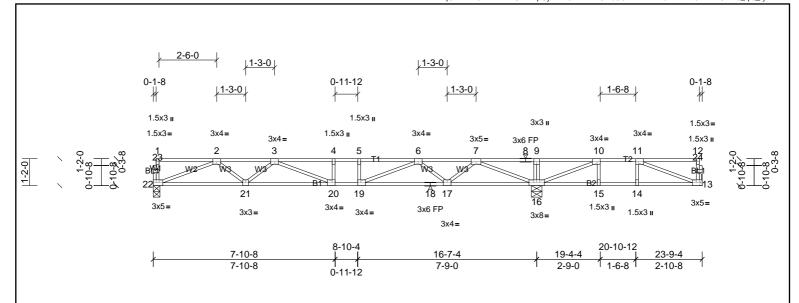
- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 15.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 5) 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.
- 6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F3	Truss	3	1	Job Reference (optional)

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:36 Page: 1
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Scale = 1:50.1

Plate Offsets (X, Y):	[10:0-1-8,Ed	ge], [11:0-1-8,Edge], [1:	3:0-2-0,Edge], [19:0-1-8,Ed	ge], [20:0-1-8,Ed	ge], [22:0-2-0,I	Edge]						
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	0.73	Vert(LL)	-0.19	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.27	20-21	>741	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH		1					Weight: 116 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

WEBS 244 S P.No.3(flat)

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 13=156/ Mechanical, (min. 0-1-8), 16=1246/0-5-8, (min. 0-1-8),

22=656/0-3-8, (min. 0-1-8) Max Unlift 13=-58 (LC 3)

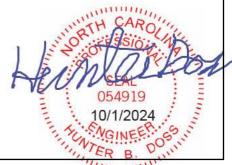
Max Grav 13=258 (LC 4), 16=1246 (LC 1), 22=667 (LC 10)

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

TOP CHORD 2-3=-1857/0, 3-4=-2456/0, 4-5=-2456/0, 6-7=-1409/0, 7-8=0/1091, 8-9=0/1091, 10-11=-374/333

BOT CHORD 21-22=0/1439, 20-21=0/2229, 19-20=0/2456, 18-19=0/1912, 17-18=0/1912, 16-17=0/869, 15-16=-333/374, 14-15=-333/374, 13-14=-333/374 WEBS 7-16=-1824/0, 2-22=-1542/0, 7-17=0/735, 2-21=0/545, 6-17=-695/0, 3-21=-483/0, 6-19=0/719, 3-20=-87/434, 10-16=-1056/0, 11-13=-395/360

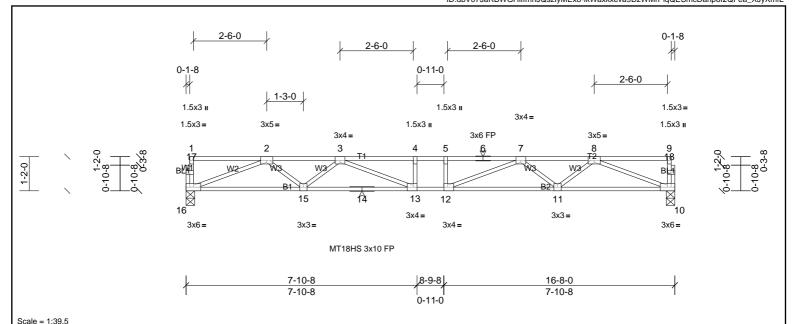
- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 13.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) 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.
- CAUTION, Do not erect truss backwards.







Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:36 Page: 1
ID:dbV07JaRBWGHilfmhJQszlyMEx8-ikWaxkxeva9DzWMrPlqQESmcDahp6f2QFea_XJyXmfL



Scale = 1:39.5

Plate Offsets (X, Y):	[12:0-1-8,Edge], [13:0-1-8,Edge]											
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	0.47	Vert(LL)	-0.21	12-13	>934	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.29	12-13	>682	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 82 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=717/0-3-8, (min. 0-1-8), 16=717/0-3-8, (min. 0-1-8)

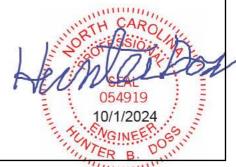
 FORCES
 (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

 TOP CHORD
 2-3=-2038/0, 3-4=-2851/0, 4-5=-2851/0, 5-6=-2851/0, 6-7=-2851/0, 7-8=-2038/0

BOT CHORD 15-16=0/1563, 14-15=0/2471, 13-14=0/2471, 12-13=0/2851, 11-12=0/2471, 10-11=0/1563

WEBS 8-10=-1676/0, 2-16=-1676/0, 8-11=0/618, 2-15=0/618, 7-11=-564/0, 3-15=-564/0, 7-12=0/590, 3-13=0/590

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates 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.



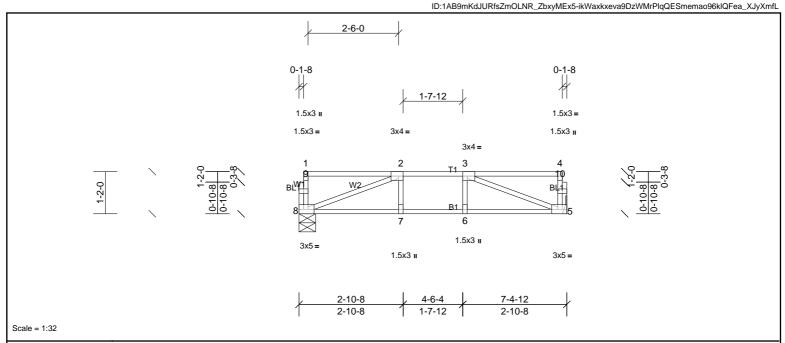


Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F5	Truss	1	1	Job Reference (optional)

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

Page: 1



Loading ((psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 4	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL 1	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.05	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 37 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD**

BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=309/ Mechanical, (min. 0-1-8), 8=309/0-5-8, (min. 0-1-8)

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

TOP CHORD 2-3=-547/0

BOT CHORD 7-8=0/547, 6-7=0/547, 5-6=0/547

WEBS 3-5=-581/0, 2-8=-581/0

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- to walls at their outer ends or restrained by other means.

3) 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





Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F6	Truss	7	1	Job Reference (optional)

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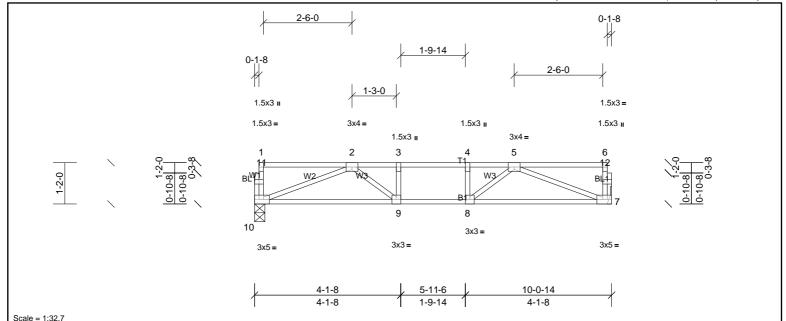


Plate Offsets (X, Y):	[7:0-2-0,Edge], [10:0-2-0,Edge]

2x4 SP No.3(flat)

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.05	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.08	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 50 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD**

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS

REACTIONS (lb/size) 7=427/ Mechanical, (min. 0-1-8), 10=427/0-3-8, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-996/0, 3-4=-996/0, 4-5=-996/0 **BOT CHORD** 9-10=0/828, 8-9=0/996, 7-8=0/828

WEBS 5-7=-885/0, 2-10=-885/0, 5-8=0/331, 2-9=0/331

NOTES

OTHERS

- Unbalanced floor live loads have been considered for this design. 1)
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- to walls at their outer ends or restrained by other means.

3) 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





Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW	
72431046	2F7	Truss	8	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	IC 62, Burlington, NC, Micah Clay	ton Run: 8.73 S	lul 24 2024 F	Print: 8.730 S	S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:37	Page: 1

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:37

4-1-8

ID:_6MmJe2u0VBlul8GU?d?2WyMEwX-ikWaxkxeva9DzWMrPlqQESmY8amg6isQFea_XJyXmfL 2-6-0 1-3-0 0 - 1 - 80-1-8 2-6-0 1-9-14 1.5x3= 3x3= 3x4= 1.5x3 II 1.5x3 II 1.5x3 II 3x4= 3x3 II 2 3 5 6 вит в 2 12 10 9 1.5x3 =3x3= 3x8= 3x3= 3x5= 1.5x3 II 5-5-8 11-4-14

Scale = 1:36.8

Plate Offsets (X, Y):	[8:0-2-0,Edg	e]										
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	0.73	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.12	8-9	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 58 lb	FT = 20%F, 11%E

1-9-14

4-1-8

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end 2x4 SP No.2(flat) BOT CHORD

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 8=350/ Mechanical, (min. 0-1-8), 11=1120/0-3-8, (min. 0-1-8) Max Grav 8=356 (LC 4), 11=1120 (LC 1)

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

TOP CHORD 1-2=0/675, 2-3=0/680, 3-4=-663/76, 4-5=-663/76, 5-6=-663/76

BOT CHORD 10-11=-300/333, 9-10=-76/663, 8-9=0/644

WEBS 1-11=-862/0, 3-11=-1019/0, 6-8=-688/0, 3-10=0/546, 4-10=-265/0

NOTES

FORCES

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

- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 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 4)
- to walls at their outer ends or restrained by other means. CAUTION, Do not erect truss backwards.

5) LOAD CASE(S) Standard

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

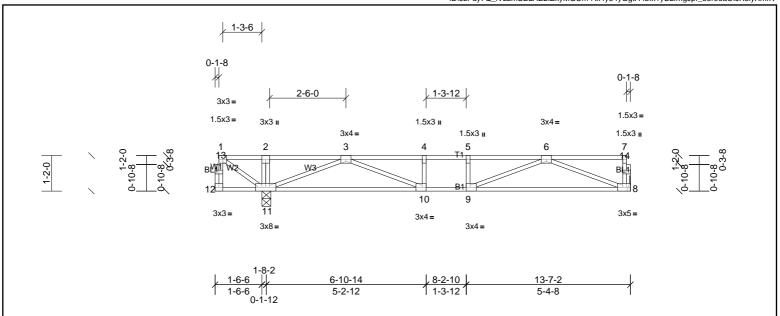
Uniform Loads (lb/ft)

Vert: 8-12=-8, 1-7=-80

Concentrated Loads (lb) Vert: 1=-500

Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F8	Truss	3	1	Job Reference (optional)

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Scale = 1:37.9

BCDL

Plate Offsets (X, Y):	[8:0-2-0,Edg	[8:0-2-0,Edge], [9:0-1-8,Edge] 10:0-1-8,Edge] 1-7-3 CSI DEFL in (loc) l/defl L/d PLATES GRIP 40.0 Plate Grip DOL 1.00 TC 0.36 Vert(LL) -0.10 8-9 >999 360 MT20 244/190 10.0 Lumber DOL 1.00 BC 0.49 Vert(CT) -0.17 8-9 836 240											
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	0.36	Vert(LL)	-0.10	8-9	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.17	8-9	>836	240			
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	8	n/a	n/a			

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end 2x4 SP No.2(flat) **BOT CHORD** BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing; 11-12. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

IRC2015/TPI2014 | Matrix-SH

REACTIONS (lb/size) 8=504/ Mechanical, (min. 0-1-8), 11=659/0-3-8, (min. 0-1-8) Max Grav 8=510 (LC 4), 11=659 (LC 1)

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

Code

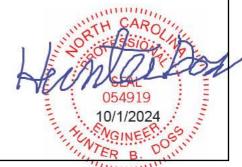
5.0

TOP CHORD 3-4=-1459/0, 4-5=-1459/0, 5-6=-1459/0 **BOT CHORD** 10-11=0/1015, 9-10=0/1459, 8-9=0/1042 WEBS 3-11=-1081/0, 6-8=-1116/0, 3-10=0/571, 6-9=0/519

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) 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. CAUTION, Do not erect truss backwards.

4)



Weight: 69 lb

FT = 20%F, 11%E



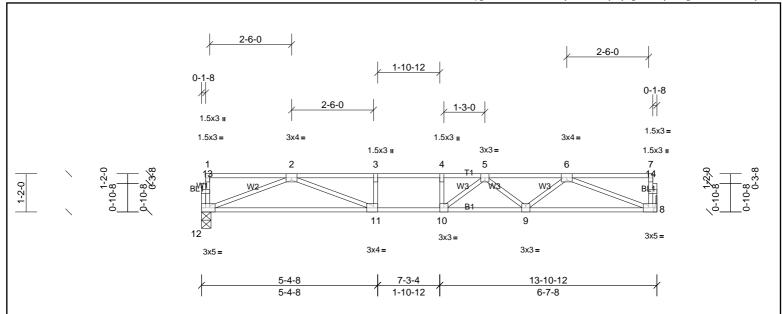
Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F9	Truss	3	1	Job Reference (optional)

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:37

Page: 1 $ID: WBKpg6FxEQCUolMKPMwliuyMEwH-Ax4y84yGgtH4bfx1ySLfmgJnK_0br8iaUIJX3lyXmfK$

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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



Scale = 1:35.3 Plate Offsets (X, Y): [8:0-2-0,Edge], [11:0-1-8,Edge], [12:0-2-0,Edge]

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	0.51	Vert(LL)	-0.16	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.20	9-10	>811	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 67 lb	FT = 20%F, 11%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 8=595/ Mechanical, (min. 0-1-8), 12=595/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-1922/0, 3-4=-1922/0, 4-5=-1922/0, 5-6=-1583/0 **BOT CHORD** $11\text{-}12\text{=}0/1252,\, 10\text{-}11\text{=}0/1922,\, 9\text{-}10\text{=}0/1855,\, 8\text{-}9\text{=}0/1262$

WEBS 6-8=-1353/0, 2-12=-1342/0, 6-9=0/418, 2-11=0/769, 5-9=-354/0, 5-10=-107/332

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) 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	Prof - HOLLY GEORGIAN RH 2ND FLR OW
72431046	2F10	Truss	3	1	Job Reference (optional)

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ID:wl0yl8HpXLa2fD5v5VTSKXyMEwE-Ax4y84yGgtH4bfx1ySLfmgJqm_40r8ZaUIJX3lyXmfK

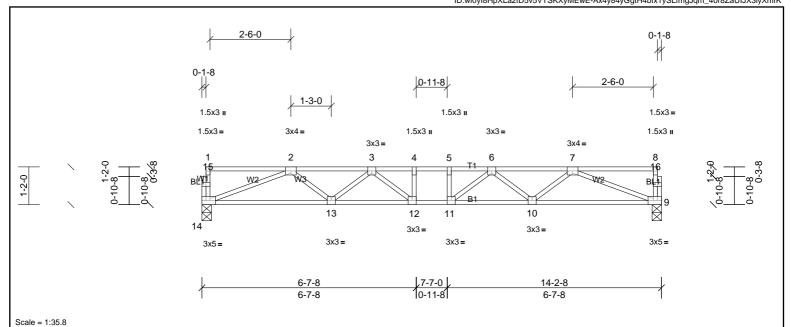


Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]

2x4 SP No.3(flat)

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.12	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.16	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

WEBS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 9=609/0-3-8, (min. 0-1-8), 14=609/0-3-8, (min. 0-1-8)

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

 TOP CHORD
 2-3=-1629/0, 3-4=-2040/0, 4-5=-2040/0, 5-6=-2040/0, 6-7=-1629/0

 BOT CHORD
 13-14=0/1295, 12-13=0/1927, 11-12=0/2040, 10-11=0/1927, 9-10=0/1295

WEBS 7-9=-1388/0, 2-14=-1388/0, 7-10=0/435, 2-13=0/435, 6-10=-388/0, 3-13=-388/0, 6-11=-69/315, 3-12=-69/315

NOTES

OTHERS

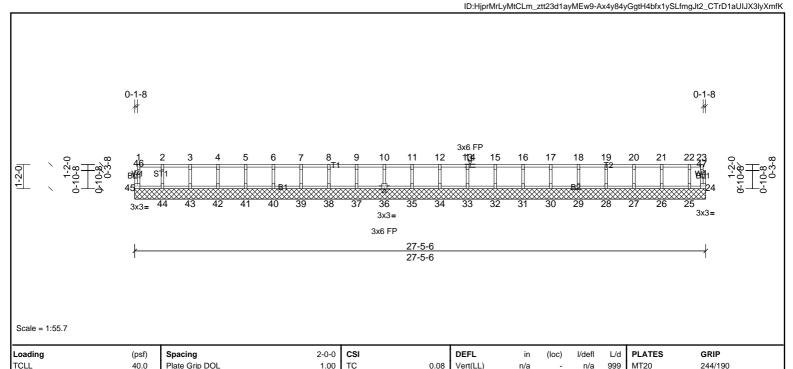
- Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each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

WINDERTH CAROUND OS4919





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0.02

0.03

TOP CHORD

BOT CHORD

Vert(TL)

Horiz(TL)

n/a

n/a 999

n/a

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

Weight: 113 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WEBS

2x4 SP No.3(flat) 2x4 SP No.3(flat)

All bearings 27-5-6

10.0

0.0

5.0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29, 30, 31, 32,

33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

Lumber DOL

Code

Rep Stress Incr

NOTES

OTHERS

REACTIONS

TCDL

BCLL

BCDL

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 3)
- 4) Gable studs spaced at 1-4-0 oc.
- 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/

1.00 BC

YES WB

Matrix-R

IRC2015/TPI2014

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. 6)



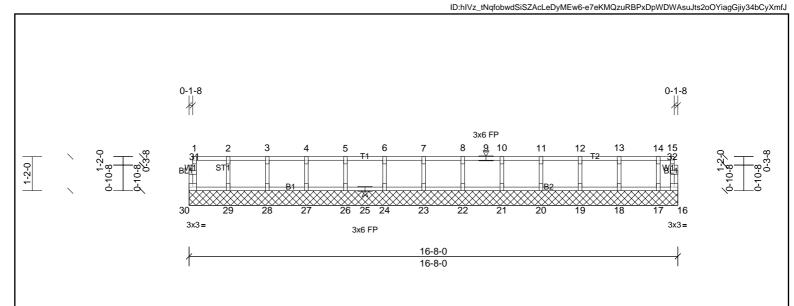


FT = 20%F, 11%E



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Page: 1



Scale = 1:39.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	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-R							Weight: 70 lb	FT = 20%F, 11%E

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 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)

verticals.

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

REACTIONS All bearings 16-8-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24,

26, 27, 28, 29, 30

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.
- 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.
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	Prof - HOLLY GEORGIAN RH 2ND FLR OW	
72431046	2KW3	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S.	NC 62, Burlington, NC, Micah Cla	yton Run: 8.73 S	Jul 24 2024 F	Print: 8.730 S	S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:38	Page: 1

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:38 ID:2GIs1aRzTKDCjDbPLjCWLGyMEw1-e7eKMQzuRBPxDpWDWAsuJts2dOYiagGjiy34bCyXmfJ

in

n/a

n/a

(loc)

I/defI

n/a

n/a 999

n/a

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

999

PLATES

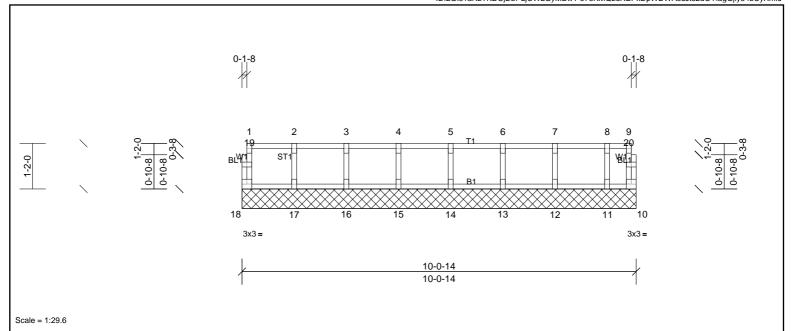
Weight: 44 lb

244/190

FT = 20%F, 11%E

MT20

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end



0.09

0.02

0.03

Vert(LL)

Vert(TL)

Horiz(TL)

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat)

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

TOP CHORD BOT CHORD 2x4 SP No.2(flat) **BOT CHORD** WEBS 2x4 SP No.3(flat) OTHERS

REACTIONS All bearings 10-0-14.

2x4 SP No.3(flat)

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16, 17, 18

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

NOTES

Loading

TCLL

TCDL

BCLL

BCDL

All plates are 1.5x3 MT20 unless otherwise indicated. 1)

(psf)

40.0

10.0

0.0

5.0

- 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.
- 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/

2-0-0 CSI

1.00 TC

1.00 BC

NO WB

Matrix-R

IRC2015/TPI2014

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 6) to walls at their outer ends or restrained by other means.





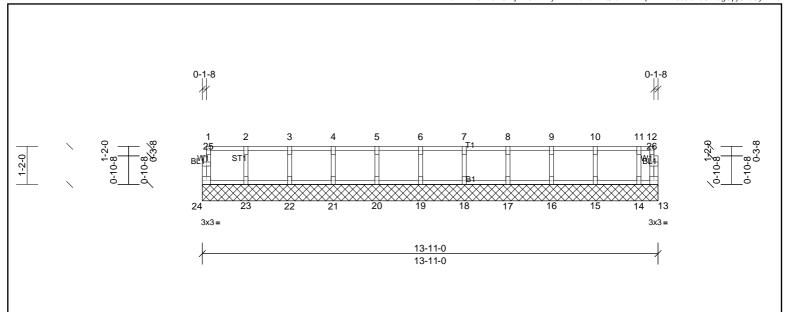
Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:38

Page: 1 ID: TeZHM25rlw0YCWjnW3AAXfyMEvB-e7eKMQzuRBPxDpWDWAsuJts2oOYiagGjiy34bCyXmfJackscooperate and the properties of the pro

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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

verticals



Scale = 1:35.4

Loading (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.02	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 IF	RC2015/TPI2014	Matrix-R	l					1	Weight: 60 lb	FT = 20%F, 11%E

BOT CHORD

LUMBER **BRACING** TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.3(flat)

2x4 SP No.3(flat)

REACTIONS All bearings 13-11-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21,

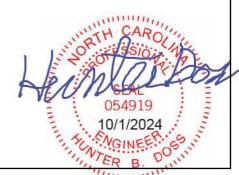
22, 23, 24

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

NOTES

OTHERS

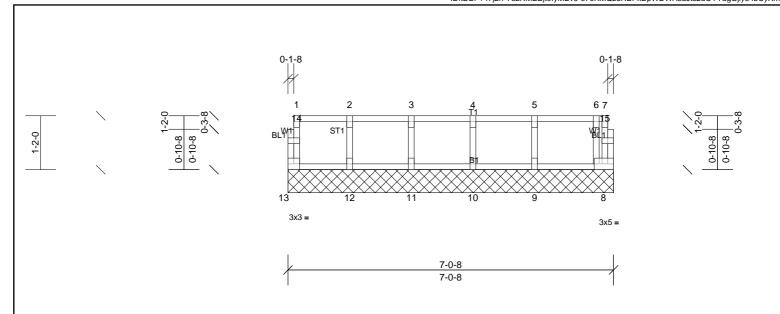
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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	Prof - HOLLY GEORGIAN RH 2ND FLR OW	
72431046	2KW5	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	ton Run: 8.73 S	Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:38				

Run: 8.73 S Jul 24 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Tue Oct 01 14:23:38 ID:tDEP?47j2rP73zRMBBjt9IyMEv8-e7eKMQzuRBPxDpWDWAsuJts2dOYYagGjiy34bCyXmfJ



Scale = 1:25

Loading ((psf)	Spacing	2-0-0	CSI	_	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 4	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 1	10.0	Lumber DOL	1.00	BC	0.03	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-R							Weight: 32 lb	FT = 20%F, 11%E

BOT CHORD

LUMBER BRACING TOP CHORD

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)

All bearings 7-0-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13

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

NOTES

REACTIONS

- All plates are 1.5x3 MT20 unless otherwise indicated. 1)
- 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.
- 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/
- 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.

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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

verticals

