

Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483

843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 50511

JOB: 24-5966-F02

JOB NAME: LOT 0.0010 HONEYCUTT HILLS

Wind Code: N/A

Wind Speed: Vult= N/A

Exposure Category: N/A

Mean Roof Height (feet): N/A

These truss designs comply with IRC 2015 as well as IRC 2018.

25 Truss Design(s)

Trusses:

F201, F202, F202A, F203, F204, F205, F206, F210, F211, F212, F213, F213A, F214, F215, F216, F217, F218, F219, F220, F221, F222, F223, F224, F225, F226



7/11/2024

Mark Morris

Warning !—Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSL/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

Job 24-5966-F02	Truss F201	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	-------------------------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:20 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-o2?1QBv9Dwzh0zrhH09FhmKYu4ybxk5ytXm9n8yz1h9

0₁-8

Scale = 1:22.1

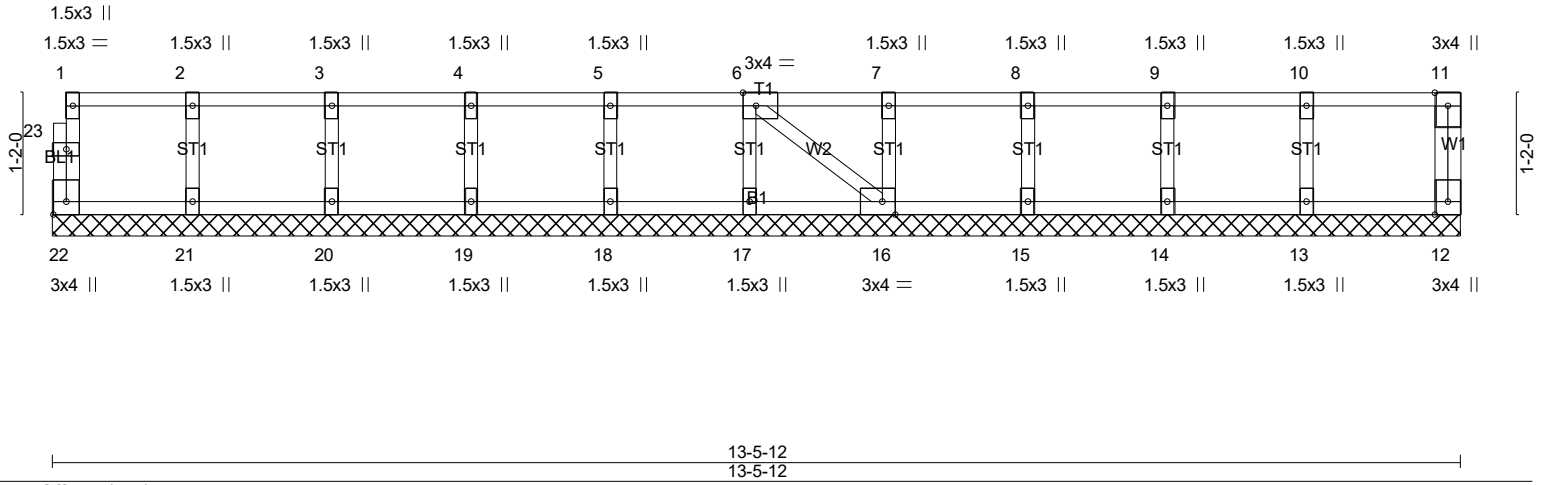


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22:Edge,0-1-8]		CSI.		DEFL.				PLATES	GRIP
LOADING (psf)	SPACING-	2-0-0	TC	in	(loc)	l/defl	L/d	MT20	244/190
TCLL 40.0	Plate Grip DOL	1.00	0.07	Vert(LL)	n/a	-	n/a		
TCDL 10.0	Lumber DOL	1.00	BC	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB	Horz(CT)	0.00	12	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH					Weight: 60 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
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.

REACTIONS. All bearings 13-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- NOTES-** (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F202	Floor	3	1	
					# 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:20 2024 Page 1
 ID:Y0TufVQvixldP38M7WA8KMy66Ni-o2?1QBv9Dwzh0zrhH09FhmKUI4oHxdftXm9n8yz1h9

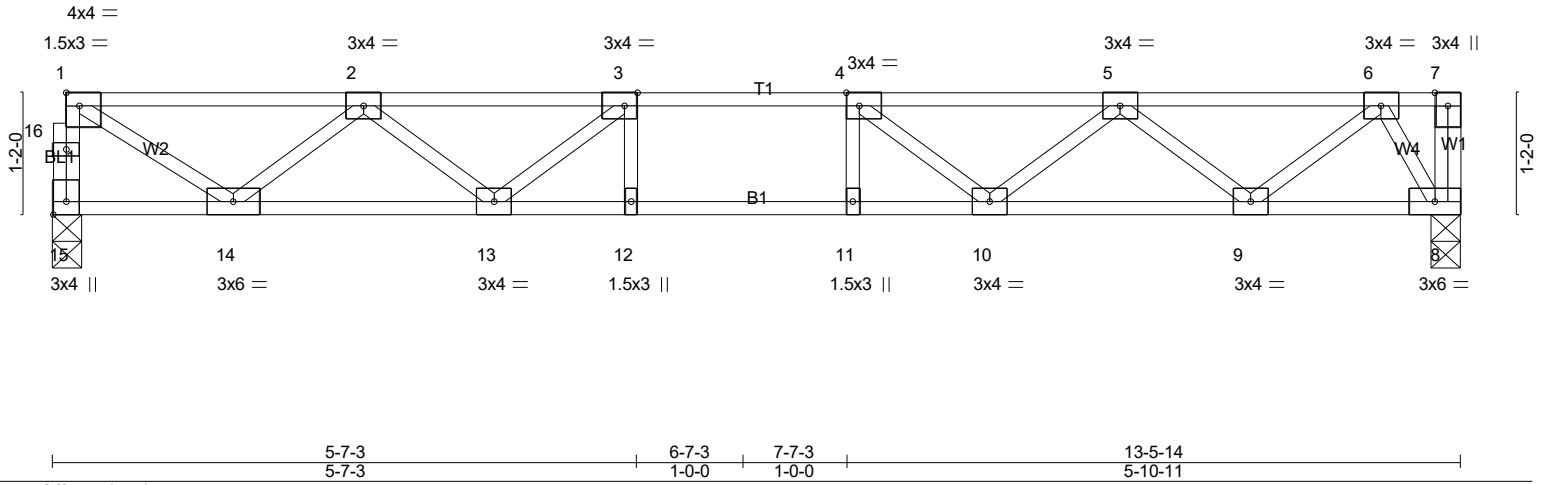
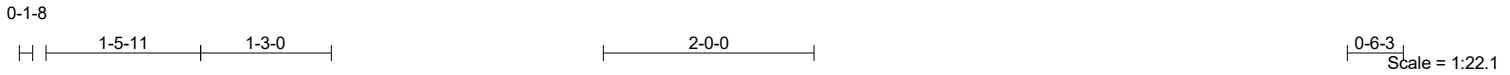


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [15:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.67	Vert(LL) -0.12 10-11 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.51	Vert(CT) -0.16 10-11 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2021/TPI2014			Weight: 68 lb	FT = 20%F, 11%E

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(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) 15=722/0-3-6 (min. 0-1-8), 8=728/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 15-16=-716/0, 1-16=-715/0, 1-2=-931/0, 2-3=-1951/0, 3-4=-2283/0, 4-5=-2015/0, 5-6=-1104/0
 BOT CHORD 13-14=0/1625, 12-13=0/2283, 11-12=0/2283, 10-11=0/2283, 9-10=0/1722, 8-9=0/459
 WEBS 3-13=-555/0, 2-13=0/455, 2-14=-904/0, 1-14=0/1073, 4-10=-493/0, 5-10=0/419, 5-9=-804/0, 6-9=0/840, 6-8=-876/0

NOTES- (4)
 1) Unbalanced floor live loads have been considered for this design.
 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

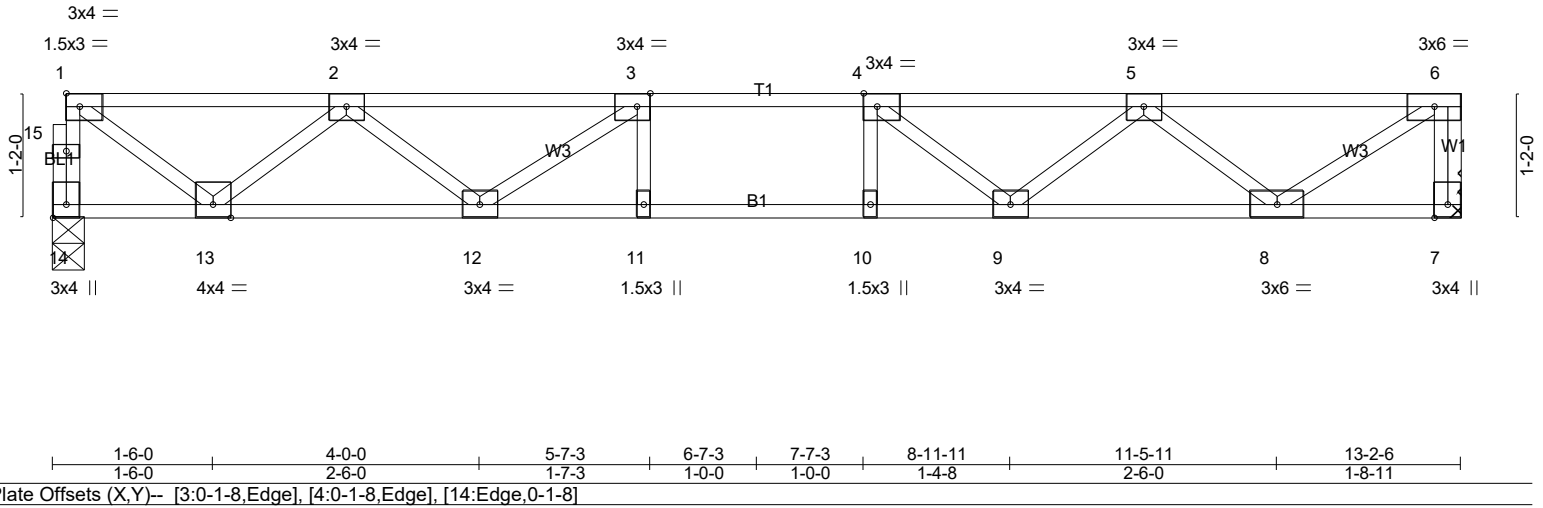
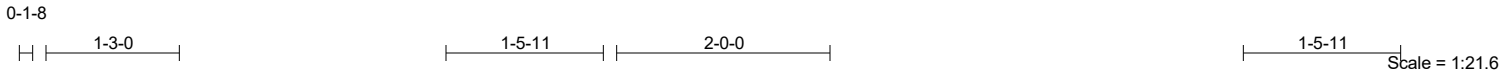


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F202A	Truss Type Floor	Qty 2	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	----------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:21 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-HFZPdXwo_D5Ye7QurkgUEzsfEU9Rg3r56BVjKayz1h8



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 0.35	Vert(LL)	-0.11 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.61	Vert(CT)	-0.14 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.51	Horz(CT)	0.03 7	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH					Weight: 66 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 14=706/0-3-6 (min. 0-1-8), 7=712/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-701/0, 1-15=-700/0, 6-7=-705/0, 1-2=-798/0, 2-3=-1820/0, 3-4=-2185/0, 4-5=-1888/0, 5-6=-905/0
BOT CHORD 12-13=0/1494, 11-12=0/2185, 10-11=0/2185, 9-10=0/2185, 8-9=0/1586
WEBS 1-13=0/965, 2-13=-906/0, 2-12=0/435, 3-12=-554/0, 4-9=-519/0, 5-9=0/430, 5-8=-886/0, 6-8=0/1080

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F203	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	-------------------------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:21 2024 Page 1
ID: Y0TufVQvixldP38M7WA8KMy66Ni-HFZPdXwo_D5Ye7QurkgUEzsknUlqgBN56BVjKaz1h8

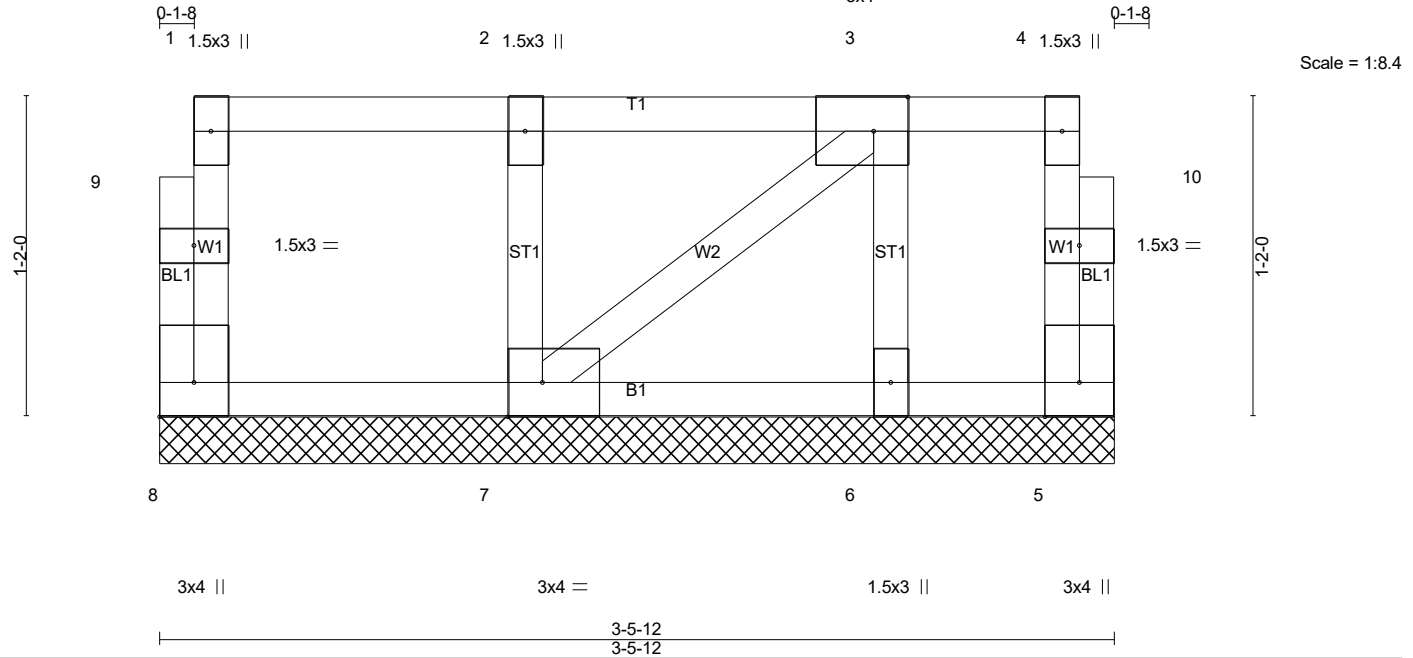


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [7:0-1-8,Edge], [8:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	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	YES	WB 0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P						Weight: 20 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
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 3-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard

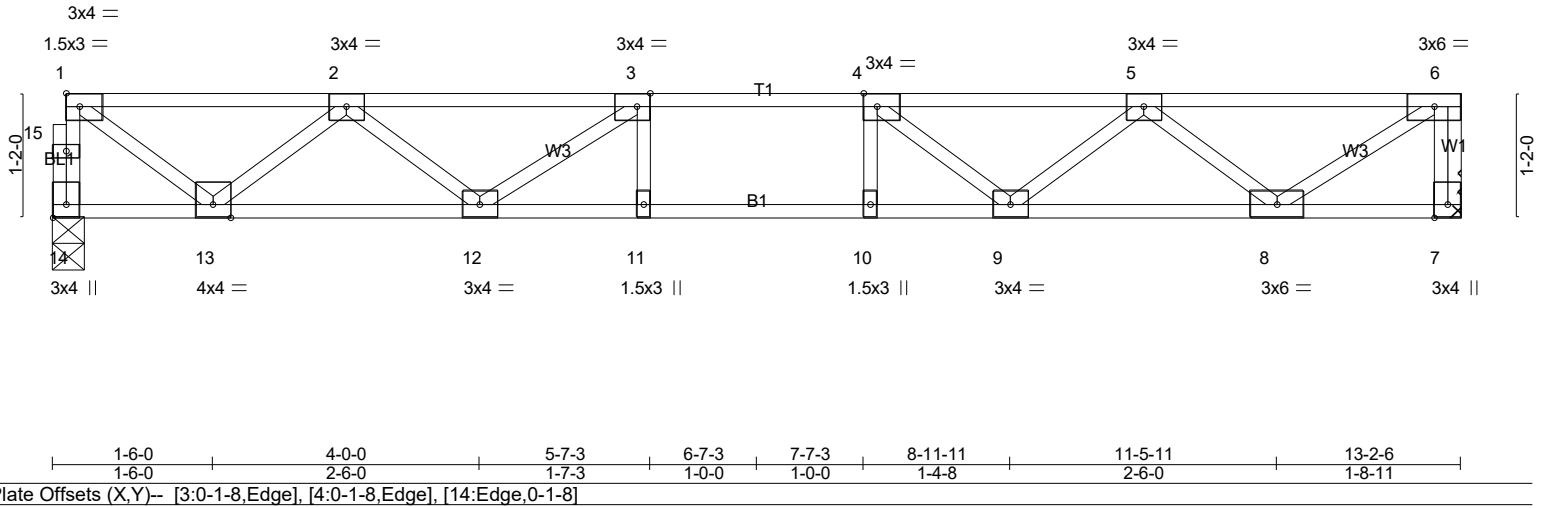
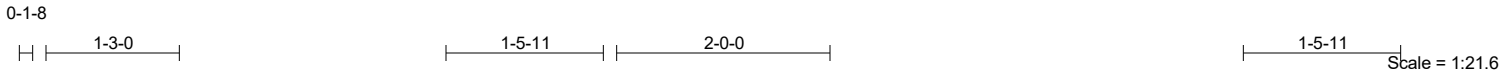


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F204	Truss Type Floor	Qty 3	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:21 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-HFZPdXwo_D5Ye7QurkgUEzsfEU9Rg3r56BVjKayz1h8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.61	Vert(LL) -0.11 11-12 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.51	Vert(CT) -0.14 11-12 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 7 n/a n/a		
	Code IRC2021/TPI2014			Weight: 66 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 14=706/0-3-6 (min. 0-1-8), 7=712/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-701/0, 1-15=-700/0, 6-7=-705/0, 1-2=-798/0, 2-3=-1820/0, 3-4=-2185/0, 4-5=-1888/0, 5-6=-905/0
BOT CHORD 12-13=0/1494, 11-12=0/2185, 10-11=0/2185, 9-10=0/2185, 8-9=0/1586
WEBS 1-13=0/965, 2-13=-906/0, 2-12=0/435, 3-12=-554/0, 4-9=-519/0, 5-9=0/430, 5-8=-886/0, 6-8=0/1080

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F205	Floor	2	1	# 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:22 2024 Page 1
 ID:Y0TufVQvixldP38M7WA8KMy66Ni-IR6nrswQIXDPGH?4PRBjnBPqBuUIPXmFLrFGs1yz1h7

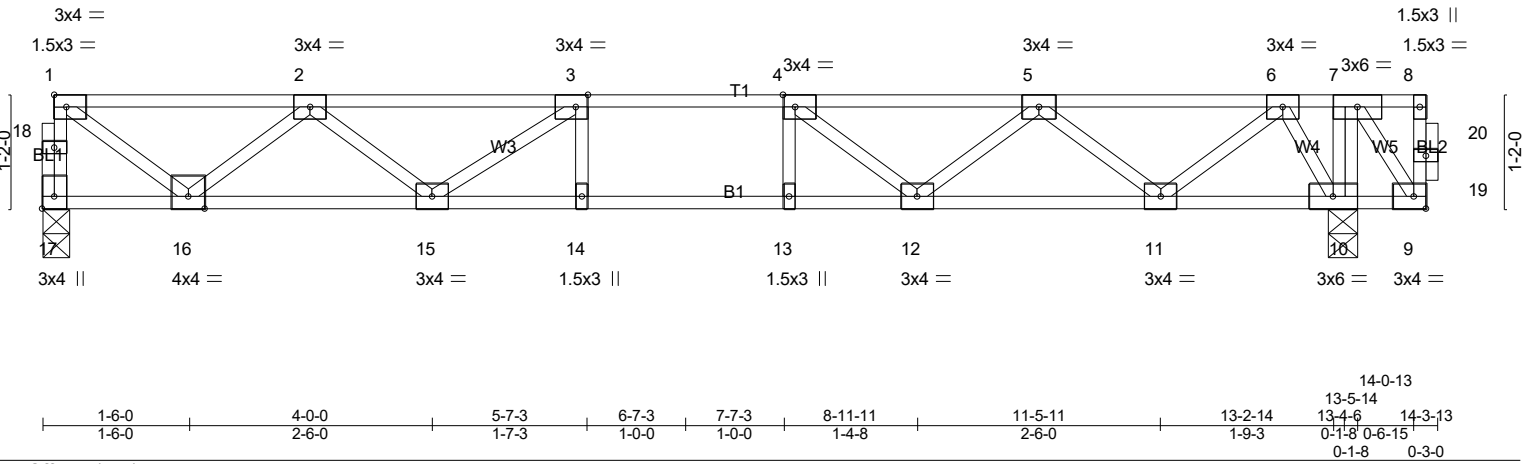
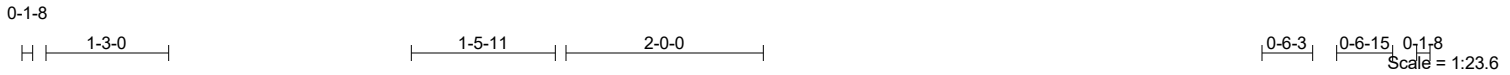


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.67	Vert(LL) -0.12 12-13 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.47	Vert(CT) -0.16 12-13 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.03 10 n/a n/a		
	Code IRC2021/TPI2014			Weight: 74 lb	FT = 20%F, 11%E

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(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, Except: 6-0-0 oc bracing: 9-10.

REACTIONS. (lb/size) 17=720/0-3-6 (min. 0-1-8), 10=815/0-3-8 (min. 0-1-8)
 Max Grav 17=721(LC 3), 10=815(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 17-18=-717/0, 1-18=-716/0, 1-2=-818/0, 2-3=-1877/0, 3-4=-2283/0, 4-5=-2009/0, 5-6=-1096/0
 BOT CHORD 15-16=0/1530, 14-15=0/2283, 13-14=0/2283, 12-13=0/2283, 11-12=0/1714, 10-11=0/454
 WEBS 1-16=0/990, 2-16=-926/0, 2-15=0/458, 3-15=-597/0, 4-12=-507/0, 5-12=0/424, 5-11=-808/0, 6-11=0/838, 6-10=-870/0

NOTES- (4)
 1) Unbalanced floor live loads have been considered for this design.
 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F206	Truss Type Floor	Qty 3	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
--------------------	---------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:22 2024 Page 1
 ID:Y0TufVQvixldP38M7WA8KMy66Ni-IR6nrswQIXDPGH?4PRBjnBPrluVgPzJfLrFGs1yz1h7

50511

Job Reference (optional)

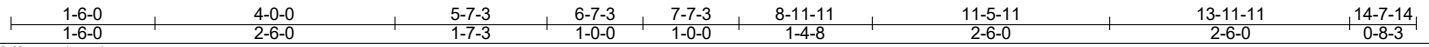
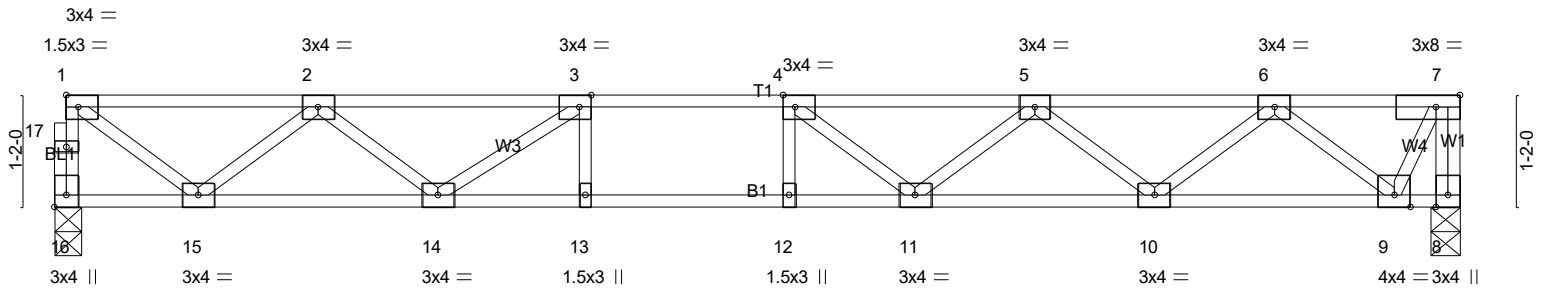


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [7:0-3-0,Edge], [16:Edge,0-1-8]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.30	Vert(LL)	-0.12 11-12	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.61	Vert(CT)	-0.16 11-12	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.03 8	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH					Weight: 74 lb	FT = 20%F, 11%E

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(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) 16=524/0-3-6 (min. 0-1-8), 8=528/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 16-17=-522/0, 1-17=-521/0, 7-8=-530/0, 1-2=-602/0, 2-3=-1412/0, 3-4=-1788/0, 4-5=-1702/0, 5-6=-1202/0, 6-7=-259/0
 BOT CHORD 14-15=0/1122, 13-14=0/1788, 12-13=0/1788, 11-12=0/1788, 10-11=0/1566, 9-10=0/822
 WEBS 1-15=0/728, 2-15=-678/0, 2-14=0/377, 3-14=-512/0, 4-11=-273/56, 5-10=-474/0, 6-10=0/495, 6-9=-733/0, 7-9=0/549

NOTES- (4)
 1) Unbalanced floor live loads have been considered for this design.
 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION. Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F210	Truss Type Floor	Qty 8	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	---------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:22 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KM7y66Ni-IR6nrswQIXDPGH?4PRBjnBPoBuQ?PWJFLrFGs1yz1h7

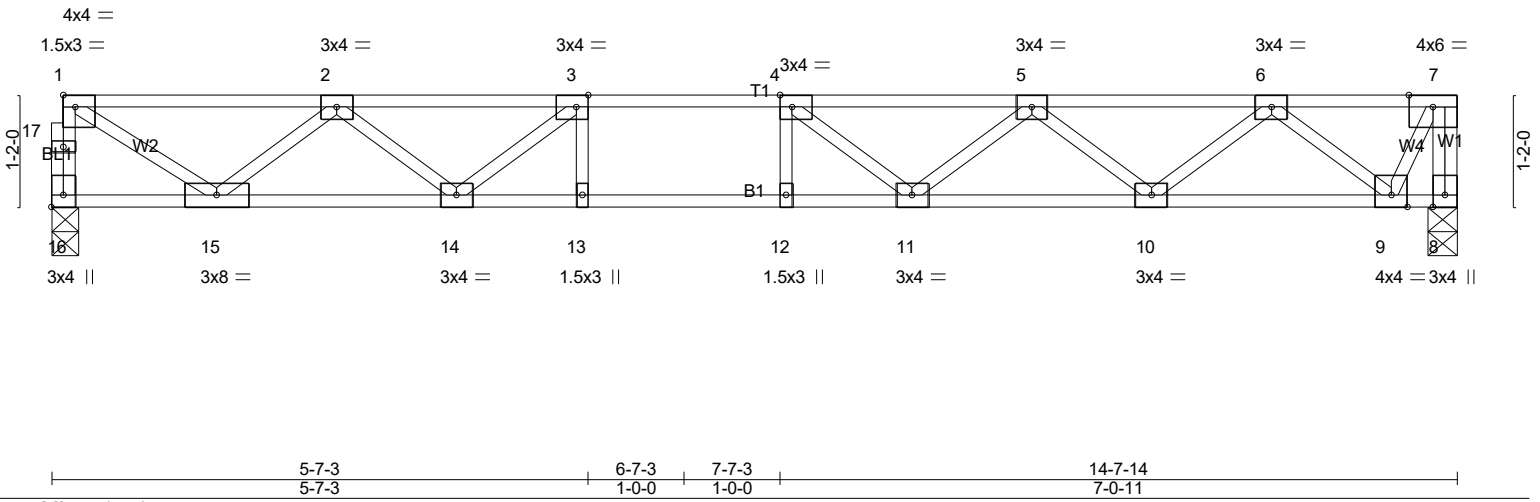


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [16:Edge,0-1-8]	
LOADING (psf)	SPACING- 2-0-0
TCLL 40.0	Plate Grip DOL 1.00
TCDL 10.0	Lumber DOL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.0	Code IRC2021/TPI2014
CSI.	DEFL. in (loc) l/defl L/d
TC 0.47	Vert(LL) -0.18 11-12 >973 480
BC 0.91	Vert(CT) -0.24 11-12 >724 360
WB 0.56	Horz(CT) 0.04 8 n/a n/a
Matrix-SH	
PLATES	GRIP
MT20	244/190
Weight: 74 lb FT = 20%F, 11%E	

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 16=786/0-3-6 (min. 0-1-8), 8=792/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-782/0, 1-17=-780/0, 7-8=-795/0, 1-2=-1027/0, 2-3=-2205/0, 3-4=-2680/0, 4-5=-2554/0, 5-6=-1803/0, 6-7=-389/0
BOT CHORD 14-15=0/1791, 13-14=0/2680, 12-13=0/2680, 11-12=0/2680, 10-11=0/2349, 9-10=0/1233
WEBS 3-14=-717/0, 2-14=0/557, 2-15=-994/0, 1-15=0/1185, 4-11=-403/81, 5-11=0/362, 5-10=-711/0, 6-10=0/742, 6-9=-1099/0, 7-9=0/824

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F211	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	-------------------------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:23 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-Ddg92Cx2WrlGtRaGy9JyJox4IlzJ85sOZV_pOTyz1h6

0-1-8

Scale: 1/2"=1'

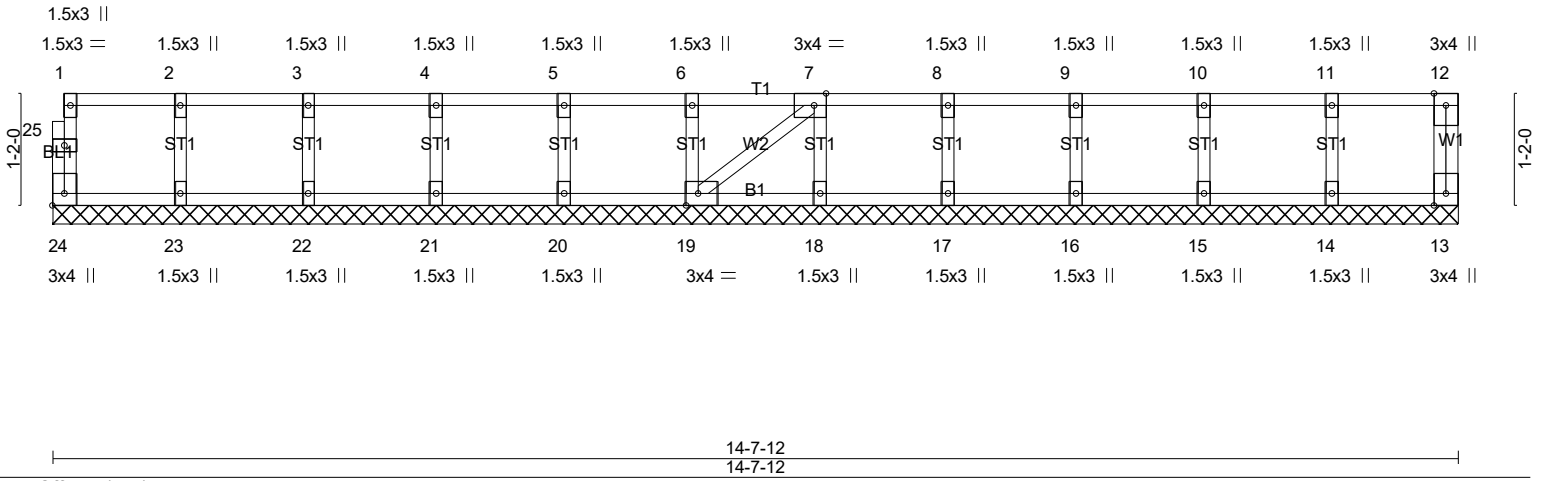


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	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	YES	WB 0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						Weight: 64 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
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.

REACTIONS. All bearings 14-7-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

- NOTES-** (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F212	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	-------------------------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:24 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-hqEYFYgH8T7Va9TWsEBscUF1iJYTY6Xo9kNwvyz1h5

0-1-8

Scale = 1:29.6

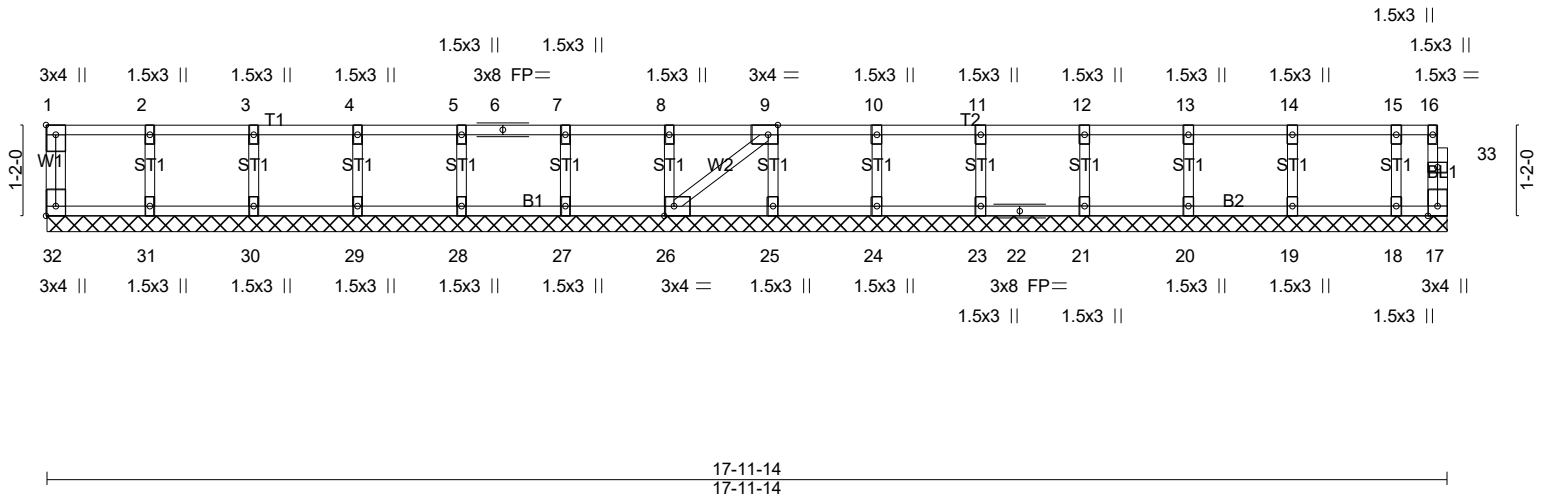


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-1-8,Edge], [32:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	17	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 78 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
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.

REACTIONS. All bearings 17-11-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 23, 21, 20, 19, 18

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

- NOTES-** (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard

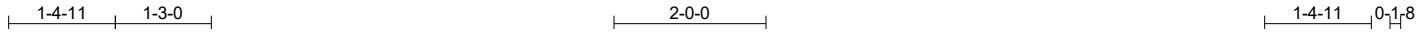


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F213	Floor	3	1	
					# 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:24 2024 Page 1
 ID:Y0TufVQvixldP38M7WA8KMy66Ni-hqEYFYgH8T7Va9TWsEBscUB2i91tR?Xo9kNwvyz1h5



Scale = 1:30.1

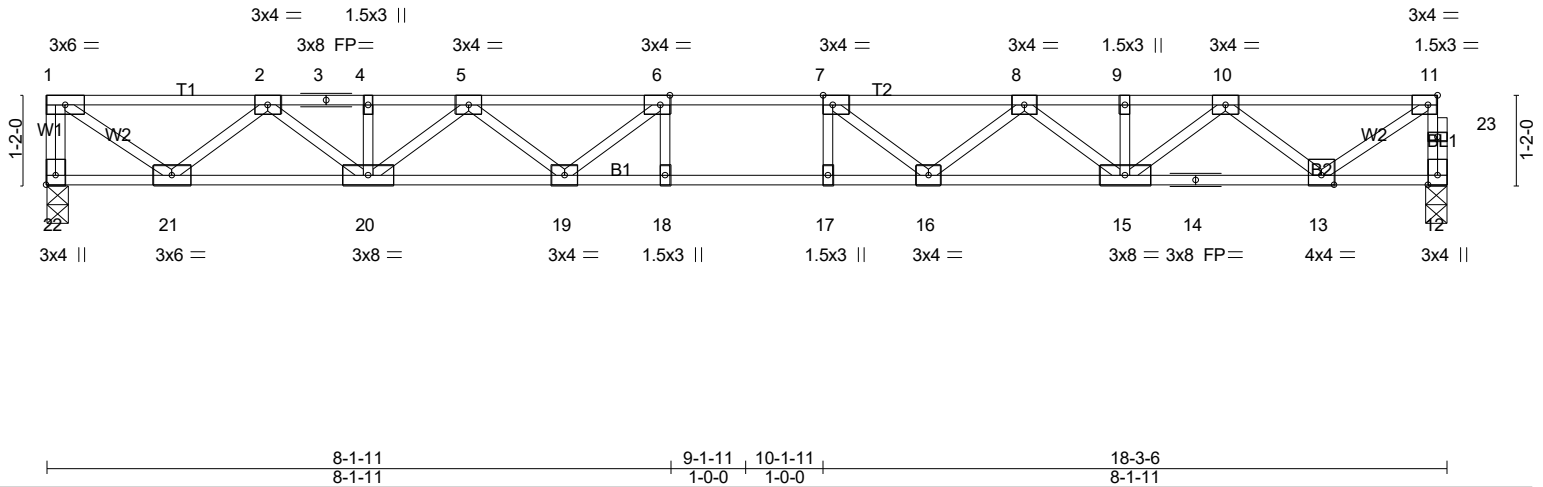


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.32	Vert(LL)	-0.21 17-18	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.68	Vert(CT)	-0.29 17-18	>756	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.05 12	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 93 lb	FT = 20%F, 11%E

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(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) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-843/0, 2-3=-1991/0, 3-4=-1991/0, 4-5=-1991/0, 5-6=-2629/0, 6-7=-2838/0, 7-8=-2629/0, 8-9=-1992/0, 9-10=-1992/0, 10-11=-844/0
 BOT CHORD 20-21=0/1522, 19-20=0/2414, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2414, 14-15=0/1520, 13-14=0/1520
 WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1023, 7-16=-444/9, 8-16=0/353, 8-15=-539/0, 10-15=0/602, 10-13=-880/0, 11-13=0/991

NOTES- (4)
 1) Unbalanced floor live loads have been considered for this design.
 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



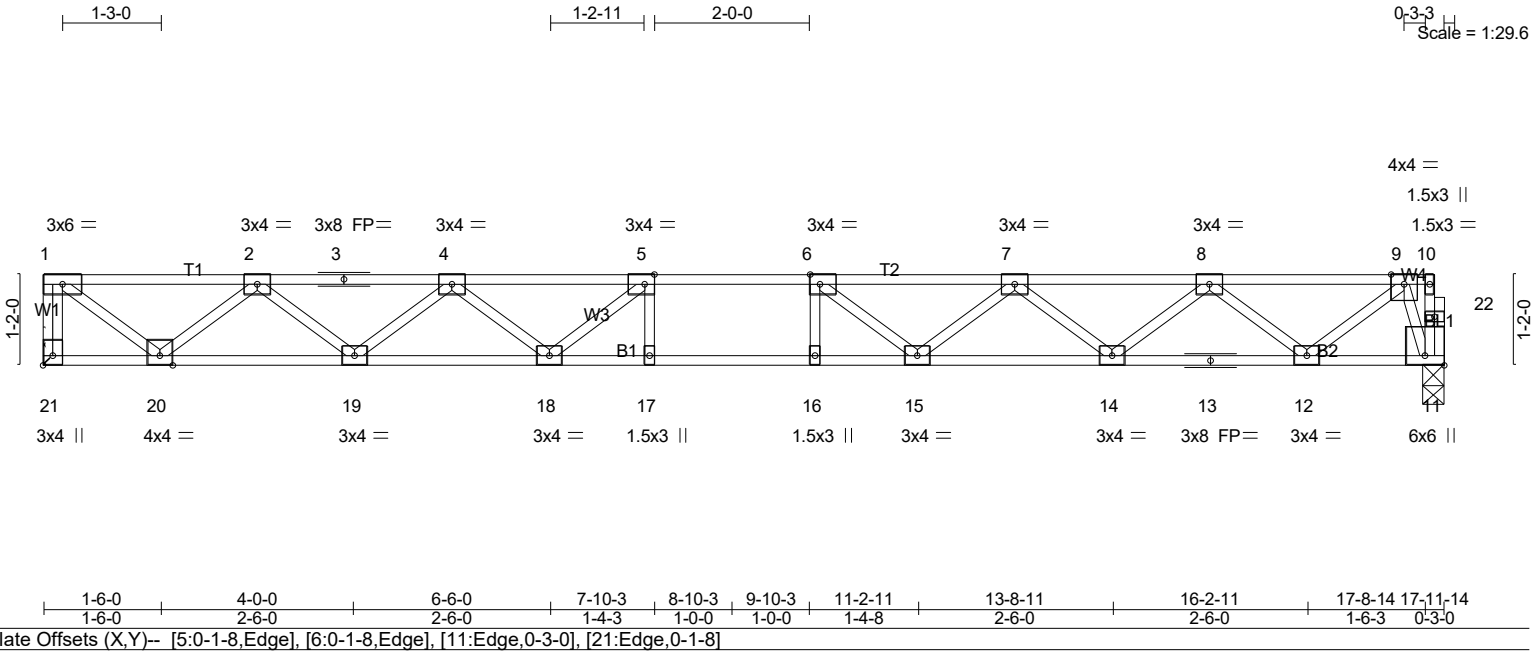
7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F213A	Truss Type Floor	Qty 3	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	----------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:25 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-90owTuzI2Sb_7kkf4alQOP1Lh5V6cuoh1pTwtLYz1h4

0-1-8
0-3-3
Scale = 1:29.6



1-6-0	4-0-0	6-6-0	7-10-3	8-10-3	9-10-3	11-2-11	13-8-11	16-2-11	17-8-14	17-11-14
1-6-0	2-6-0	2-6-0	1-4-3	1-0-0	1-0-0	1-4-8	2-6-0	2-6-0	1-6-3	0-3-0
Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [11:Edge,0-3-0], [21:Edge,0-1-8]										

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.32	Vert(LL)	-0.20	16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.69	Vert(CT)	-0.27	16-17	>790		
BCLL 0.0	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.05	11	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 90 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 21=650/Mechanical, 11=646/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-646/0, 1-2=-758/0, 2-3=-1873/0, 3-4=-1873/0, 4-5=-2519/0, 5-6=-2745/0, 6-7=-2563/0, 7-8=-1960/0, 8-9=-908/0
BOT CHORD 19-20=0/1432, 18-19=0/2293, 17-18=0/2745, 16-17=0/2745, 15-16=0/2745, 14-15=0/2366, 13-14=0/1534, 12-13=0/1534, 11-12=0/264
WEBS 1-20=0/951, 2-20=-877/0, 2-19=0/575, 4-19=-546/0, 4-18=0/359, 5-18=-454/0, 6-15=-415/27, 7-15=0/332, 7-14=-529/0, 8-14=0/554, 8-12=-815/0, 9-12=0/838, 9-11=-765/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

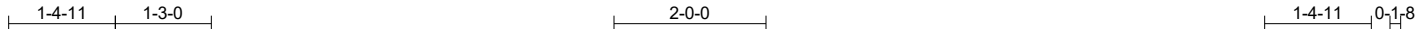


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F214	Truss Type Floor	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	---------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:25 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-90owTuzl2Sb_7kkf4alQOp1Mo5VFcuFh1pTwTLyZ1h4



Scale = 1:30.1

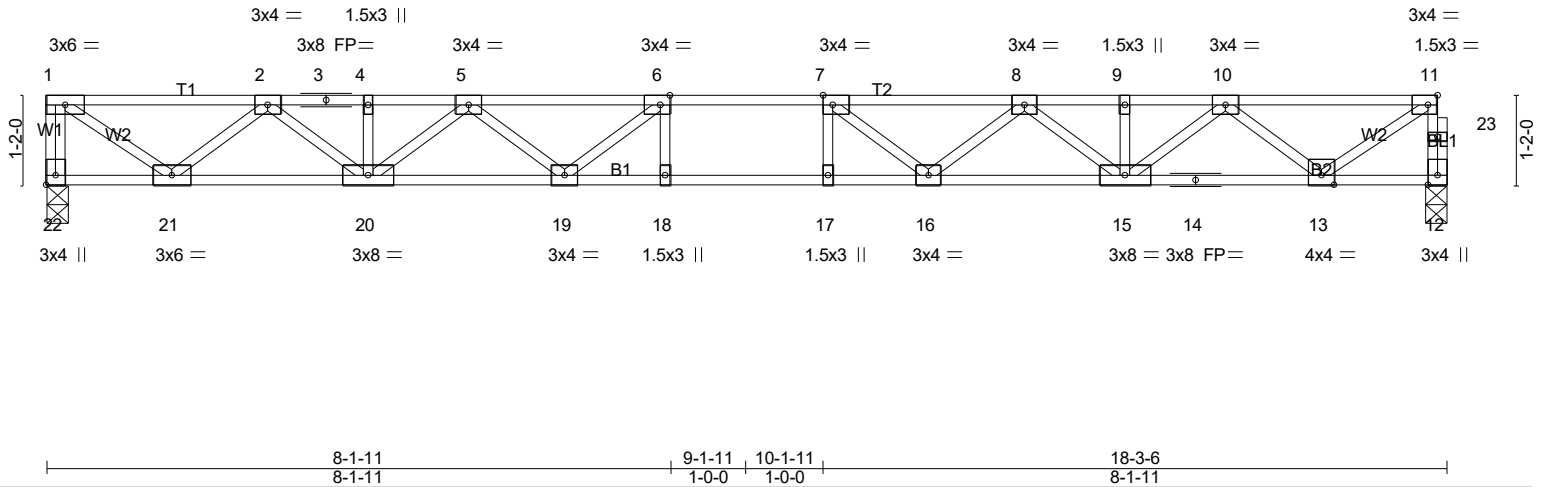


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-1-8,Edge], [22:Edge,0-1-8]					
LOADING (psf)	SPACING- 1-4-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	Vert(LL) -0.21 17-18 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.68	Vert(CT) -0.29 17-18 >756 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.49	Horz(CT) -0.05 22 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			Weight: 93 lb FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 22=661/0-3-8 (min. 0-1-8), 12=657/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-656/0, 12-23=-653/0, 11-23=-652/0, 1-2=-843/0, 2-3=-1991/0, 3-4=-1991/0, 4-5=-1991/0, 5-6=-2629/0, 6-7=-2838/0, 7-8=-2629/0, 8-9=-1992/0, 9-10=-1992/0, 10-11=-844/0
BOT CHORD 20-21=0/1522, 19-20=0/2414, 18-19=0/2838, 17-18=0/2838, 16-17=0/2838, 15-16=0/2414, 14-15=0/1520, 13-14=0/1520
WEBS 6-19=-444/10, 5-19=0/353, 5-20=-540/0, 2-20=0/599, 2-21=-884/0, 1-21=0/1023, 7-16=-444/9, 8-16=0/353, 8-15=-539/0, 10-15=0/602, 10-13=-880/0, 11-13=0/991

NOTES- (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

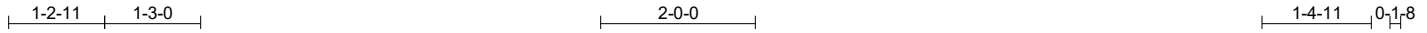


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F215	Truss Type Floor	Qty 3	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	---------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:25 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-90owTuzl2Sb_7kkf4alQOp1IM5VZcr0h1pTwTLyz1h4



Scale = 1:29.6

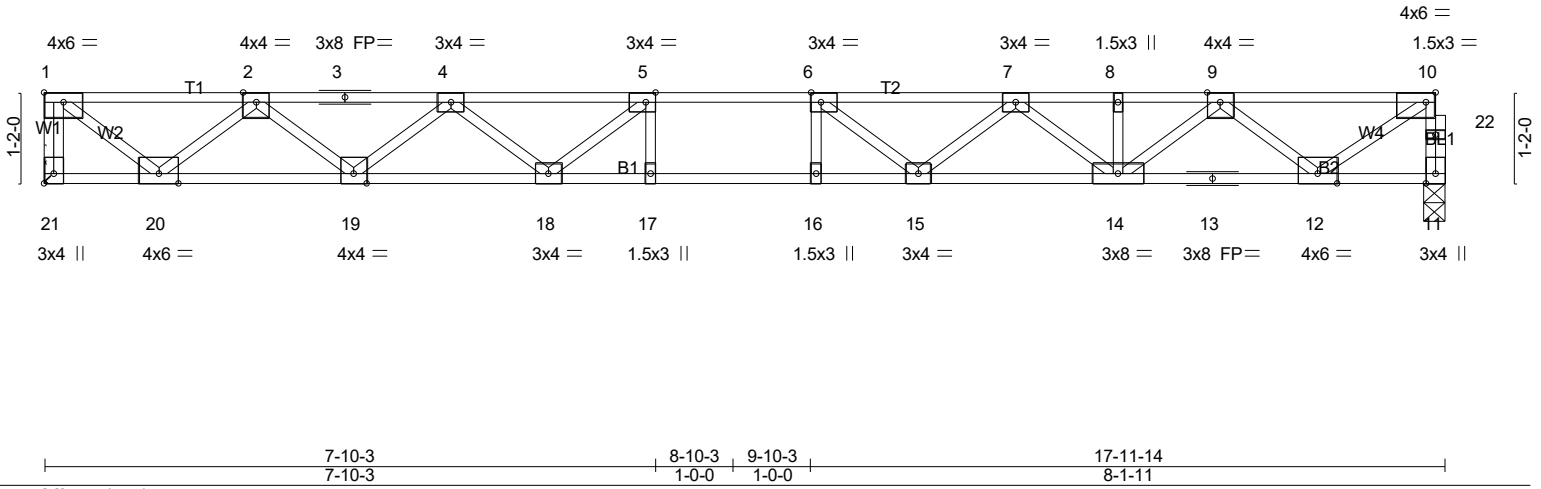


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.54	Vert(LL) -0.28 16 >762 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.66	Vert(CT) -0.38 16-17 >553 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.69	Horz(CT) 0.06 11 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH			
				Weight: 90 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 21=976/Mechanical, 11=969/0-3-6 (min. 0-1-8)

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

TOP CHORD 1-21=-968/0, 11-22=-963/0, 10-22=-962/0, 1-2=-1118/0, 2-3=-2797/0, 3-4=-2797/0, 4-5=-3771/0, 5-6=-4119/0, 6-7=-3841/0, 7-8=-2923/0, 8-9=-2923/0, 9-10=-1243/0

BOT CHORD 19-20=0/2130, 18-19=0/3430, 17-18=0/4119, 16-17=0/4119, 15-16=0/4119, 14-15=0/3541, 13-14=0/2237, 12-13=0/2237

WEBS 5-18=-689/0, 4-18=0/534, 4-19=-825/0, 2-19=0/868, 2-20=-1318/0, 1-20=0/1412, 6-15=-630/41, 7-15=0/501, 7-14=-789/0, 9-14=0/876, 9-12=-1294/0, 10-12=0/1458

- NOTES-** (5)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

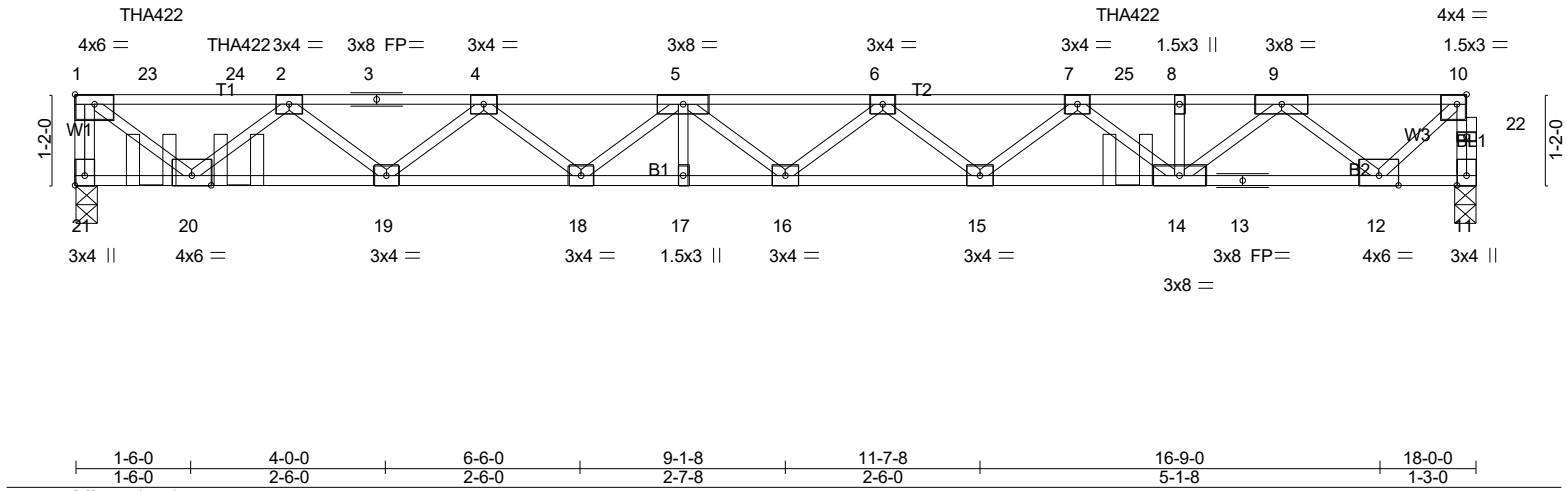
Job 24-5966-F02	Truss F216	Truss Type Floor Girder	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	----------------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:26 2024 Page 1
ID:Y0TuVQvixidP38M7WA8KMy66Ni-dCMlgEzwpmjrkUJreHGx1ZRZVqbLJkqFTDT?oyz1h3

1-3-0

1-0-0 0-1-8

Scale = 1:29.6



LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.70	Vert(LL)	-0.25	16	>854	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.74	Vert(CT)	-0.35	16	>615	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.60	Horz(CT)	0.06	11	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH							
									Weight: 93 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 21=923/0-3-8 (min. 0-1-8), 11=878/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-917/0, 11-22=-877/0, 10-22=-875/0, 1-23=-1005/0, 23-24=-1005/0, 2-24=-1005/0, 2-3=-2379/0, 3-4=-2379/0, 4-5=-3132/0, 5-6=-3487/0, 6-7=-3377/0, 7-25=-2661/0, 8-25=-2661/0, 8-9=-2661/0, 9-10=-877/0
BOT CHORD 19-20=0/1904, 18-19=0/2834, 17-18=0/3427, 16-17=0/3427, 15-16=0/3527, 14-15=0/3207, 13-14=0/1829, 12-13=0/1829
WEBS 1-20=0/1261, 2-20=-1170/0, 2-19=0/618, 4-19=-591/0, 4-18=0/389, 5-18=-376/0, 7-14=-697/0, 9-14=0/1062, 9-12=-1239/0, 10-12=0/1155

- NOTES-** (6)
- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - 2) CAUTION, Do not erect truss backwards.
 - 3) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 0-11-12 from the left end to 13-6-4 to connect truss(es) F217 (1 ply 2x4 SP), F218 (1 ply 2x4 SP), F219 (1 ply 2x4 SP) to back face of top chord.
 - 4) Fill all nail holes where hanger is in contact with lumber.
 - 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 23=-112(B) 24=-108(B) 25=-284(B)

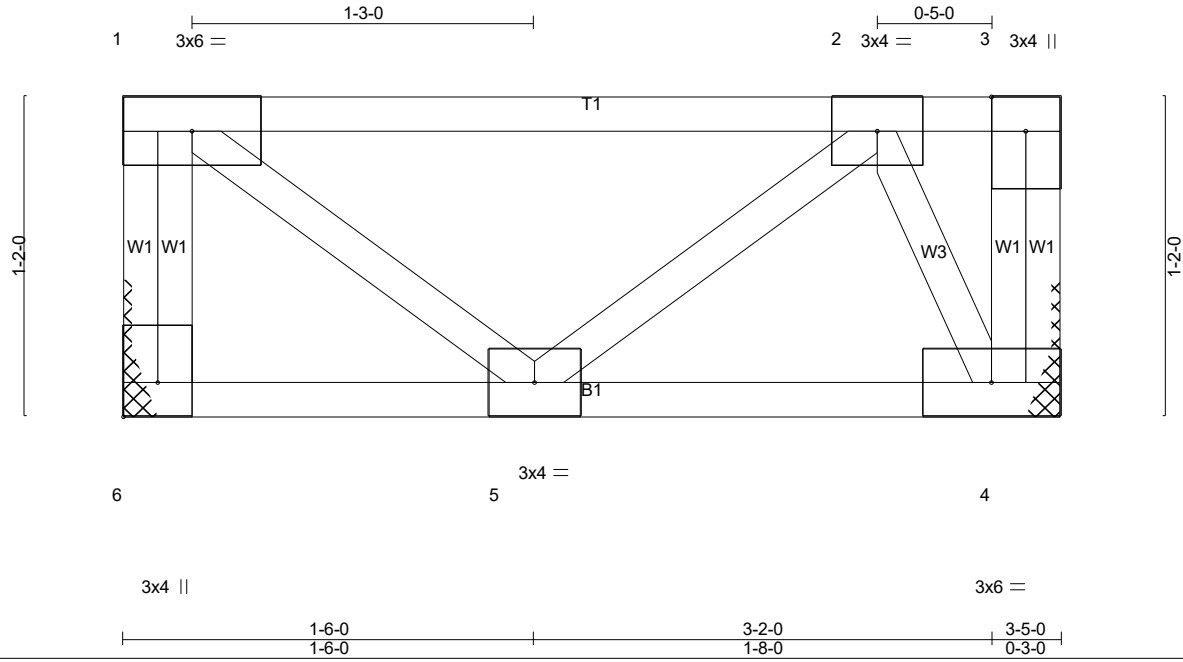


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F217	Truss Type Floor	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:26 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-dCMIgEzwpmjrkUJreHGfx1ZX9V?WLR1qFTDT?oyz1h3



Scale = 1:8.4

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.28	Vert(LL) -0.00	5	>999	480		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.04	Vert(CT) -0.00	5	>999	360			
BCLL 0.0	Lumber DOL 1.00	WB 0.07	Horz(CT) 0.00	4	n/a	n/a			
BCDL 5.0	Rep Stress Incr YES	Matrix-P							
	Code IRC2021/TPI2014							Weight: 22 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=174/Mechanical, 4=174/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-303/0

NOTES- (3)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard

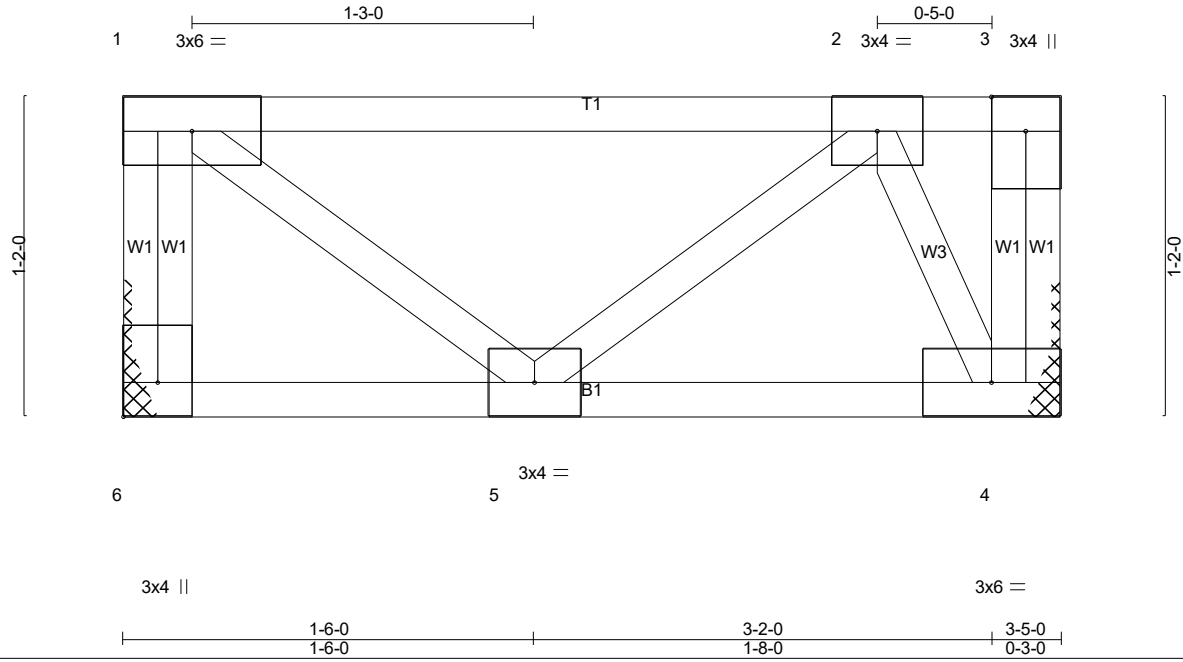


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F218	Truss Type Floor	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	---------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:26 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-dCMIgEzwpmjrkUJreHGfx1ZX9V?WLR1qFTDT?oyz1h3



Scale = 1:8.4

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.28	Vert(LL) -0.00	5	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.04	Vert(CT) -0.00	5	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.07	Horz(CT) 0.00	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-P						
	Code IRC2021/TPI2014						Weight: 22 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=174/Mechanical, 4=174/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-303/0

NOTES- (3)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F219	Truss Type Floor Girder	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 50511
--------------------	---------------	----------------------------	----------	----------	--	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:26 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-dCMlgEzwpmjrkUJreHGfx1Z0eV_pLQVqFTDT?oyz1h3

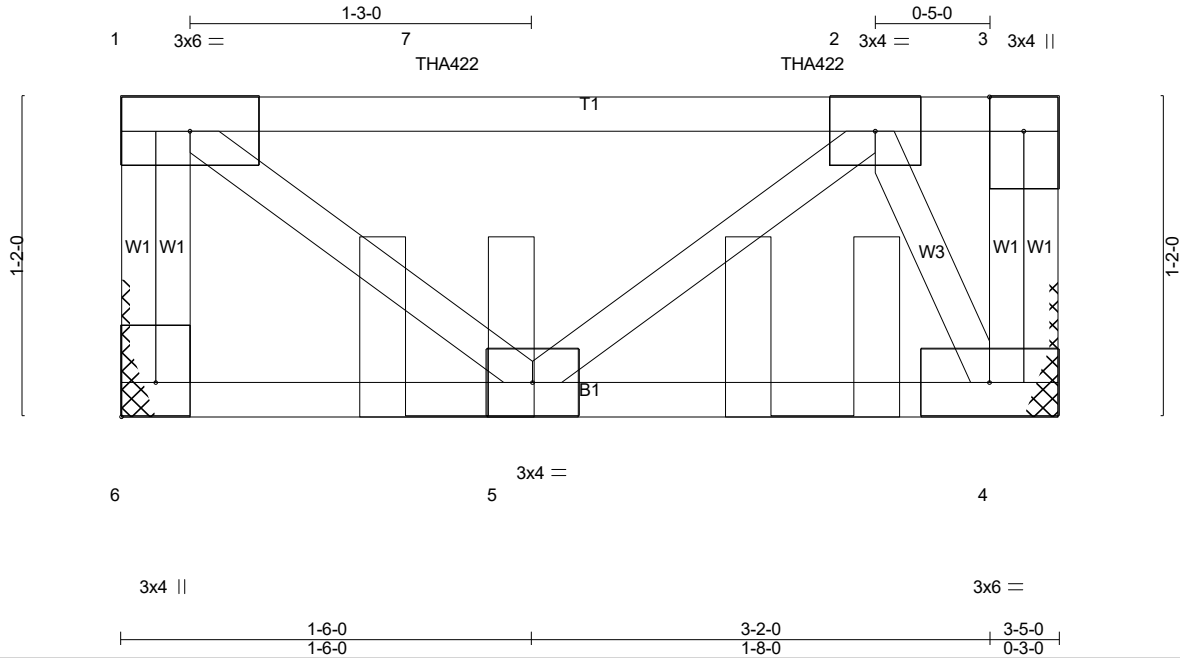


Plate Offsets (X,Y)-- [6:Edge,0-1-8]		CSI.		DEFL.				PLATES	GRIP
LOADING (psf)	SPACING-	TC	0.89	in	(loc)	l/defl	L/d	MT20	244/190
TCLL 40.0	2-0-0	BC	0.08	Vert(LL)	-0.00	5	>999		
TCDL 10.0	Plate Grip DOL 1.00	WB	0.17	Vert(CT)	-0.00	5	>999		
BCLL 0.0	Lumber DOL 1.00	Matrix-P		Horz(CT)	0.00	4	n/a		
BCDL 5.0	Rep Stress Incr NO								
	Code IRC2021/TPI2014							Weight: 22 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 6=350/Mechanical, 4=420/Mechanical

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

TOP CHORD 1-6=-344/0
 BOT CHORD 4-5=0/339
 WEBS 2-4=-735/0

- NOTES-** (6)
- 1) Refer to girder(s) for truss to truss connections.
 - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-0 oc max. starting at 1-2-4 from the left end to 2-6-4 to connect truss(es) F220 (1 ply 2x4 SP) to front face of top chord.
 - 4) Fill all nail holes where hanger is in contact with lumber.
 - 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 4-6=-10, 1-3=-100

Concentrated Loads (lb)
 Vert: 2=-211(F) 7=-211(F)



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F220	Truss Type Floor	Qty 2	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
					Job Reference (optional) # 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:27 2024 Page 1
ID:Y0TuVQvixIdP38M7WA8KMy66Ni-5Owgua_Ya3riM2t1B?nuTE6jLvKj4ts_U7y1XEyz1h2



Scale = 1:14.2

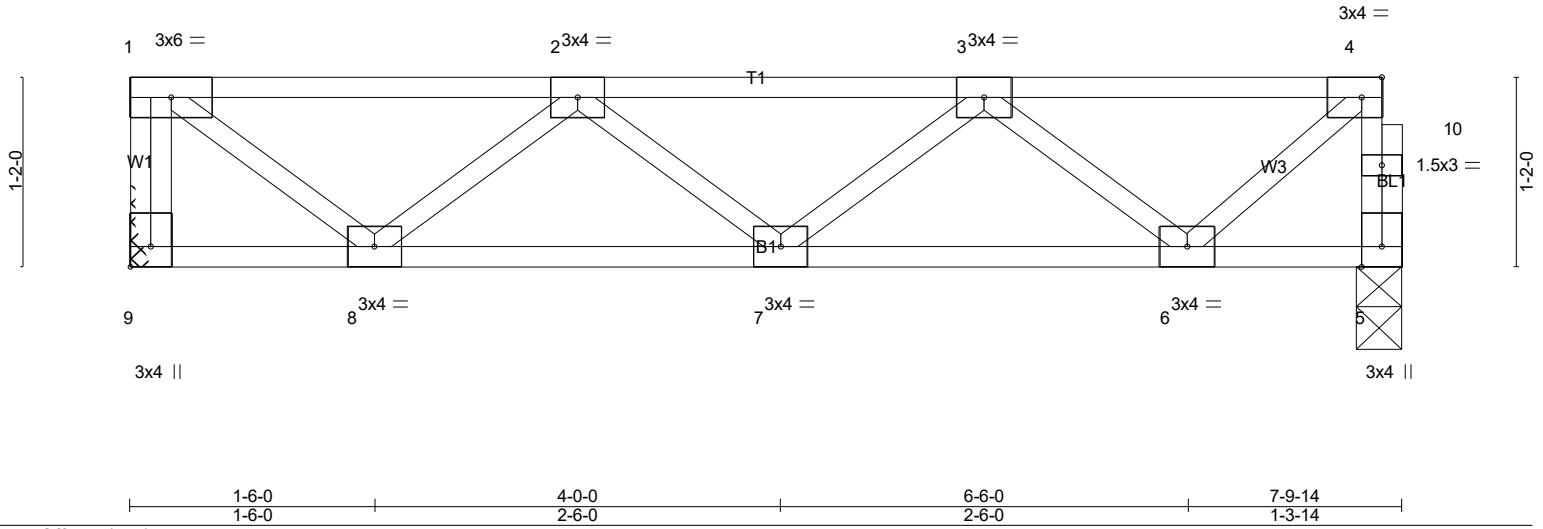


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.18	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.10	Vert(CT)	-0.01	7	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.16	Horz(CT)	0.00	5	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-P							
									Weight: 42 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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) 9=278/Mechanical, 5=274/0-3-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-274/0, 5-10=-271/0, 4-10=-271/0, 1-2=-268/0, 2-3=-495/0
BOT CHORD 7-8=0/496, 6-7=0/473
WEBS 1-8=0/336, 2-8=-296/0, 3-6=-302/0, 4-6=0/306

NOTES- (4)
1) Refer to girder(s) for truss to truss connections.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



7/11/2024

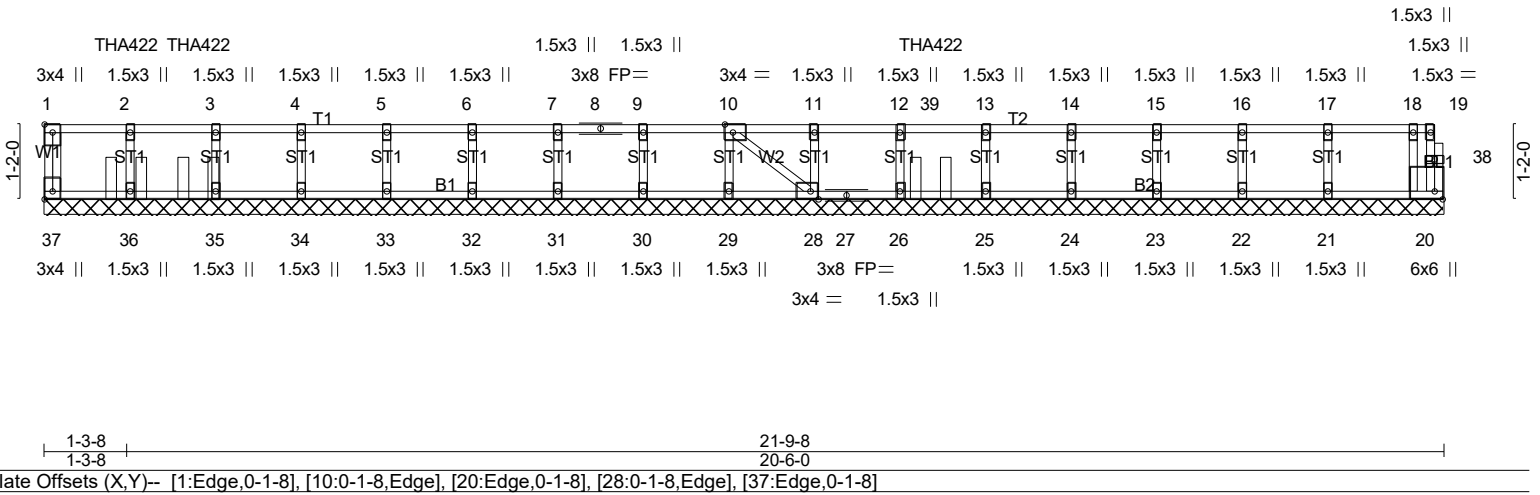
Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F221	Truss Type Floor Girder	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC Job Reference (optional) # 50511
--------------------	---------------	----------------------------	----------	----------	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:27 2024 Page 1
ID:Y0TuVQvixIdP38M7WA8KMy66Ni-5Owgua_Ya3riM2t1B?nuTE6ghvL74u0_U7y1XEyz1h2

0-1-8

Scale = 1:35.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.35	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr NO	WB 0.09	Horz(CT)	0.00	20	n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH						
							Weight: 94 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
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.

REACTIONS. All bearings 21-9-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 37, 20, 36, 35, 34, 33, 32, 31, 30, 29, 28, 24, 23, 22, 21 except 26=392(LC 1), 25=279(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 12-26=-378/0, 13-25=-266/0

- NOTES-** (9)
- Gable requires continuous bottom chord bearing.
 - 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.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 11-5-0 oc max. starting at 1-3-4 from the left end to 13-9-12 to connect truss(es) F217 (1 ply 2x4 SP), F218 (1 ply 2x4 SP), F219 (1 ply 2x4 SP) to front face of top chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 20-37=-10, 1-19=-100
Concentrated Loads (lb)
Vert: 2=-74(F) 3=-74(F) 39=-320(F)

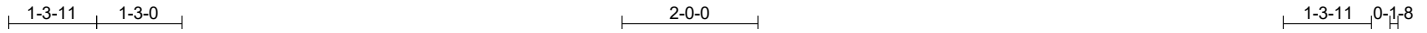


7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F222	Truss Type Floor	Qty 3	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	---------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:27 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-5OWgua_Ya3riM2t1B?nuTE6f2v9S4pt_U7y1XEyz1h2



Scale = 1:34.0

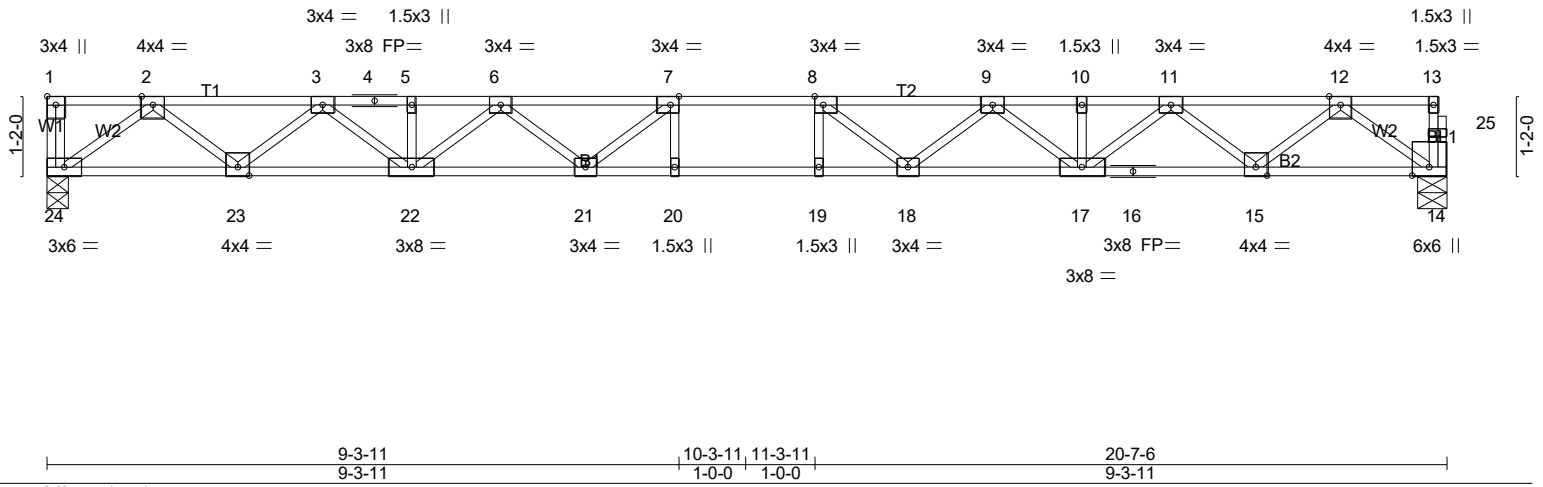


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.39	Vert(LL)	-0.33 19-20	>738	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.82	Vert(CT)	-0.46 19-20	>535	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.07 14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
								Weight: 104 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 24=747/0-3-8 (min. 0-1-8), 14=743/0-5-2 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1643/0, 3-4=-2780/0, 4-5=-2780/0, 5-6=-2780/0, 6-7=-3414/0, 7-8=-3623/0, 8-9=-3414/0, 9-10=-2780/0, 10-11=-2780/0, 11-12=-1643/0
BOT CHORD 23-24=0/974, 22-23=0/2290, 21-22=0/3198, 20-21=0/3623, 19-20=0/3623, 18-19=0/3623, 17-18=0/3198, 16-17=0/2290, 15-16=0/2290, 14-15=0/973
WEBS 7-21=-488/53, 6-21=0/382, 6-22=-534/0, 3-22=0/626, 3-23=-841/0, 2-23=0/871, 2-24=-1205/0, 8-18=-488/53, 9-18=0/382, 9-17=-534/0, 11-17=0/625, 11-15=-842/0, 12-15=0/872, 12-14=-1202/0

- NOTES-** (4)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

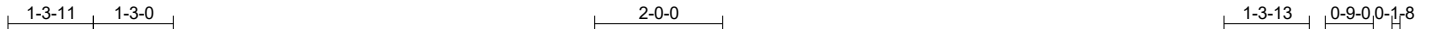


7/11/2024

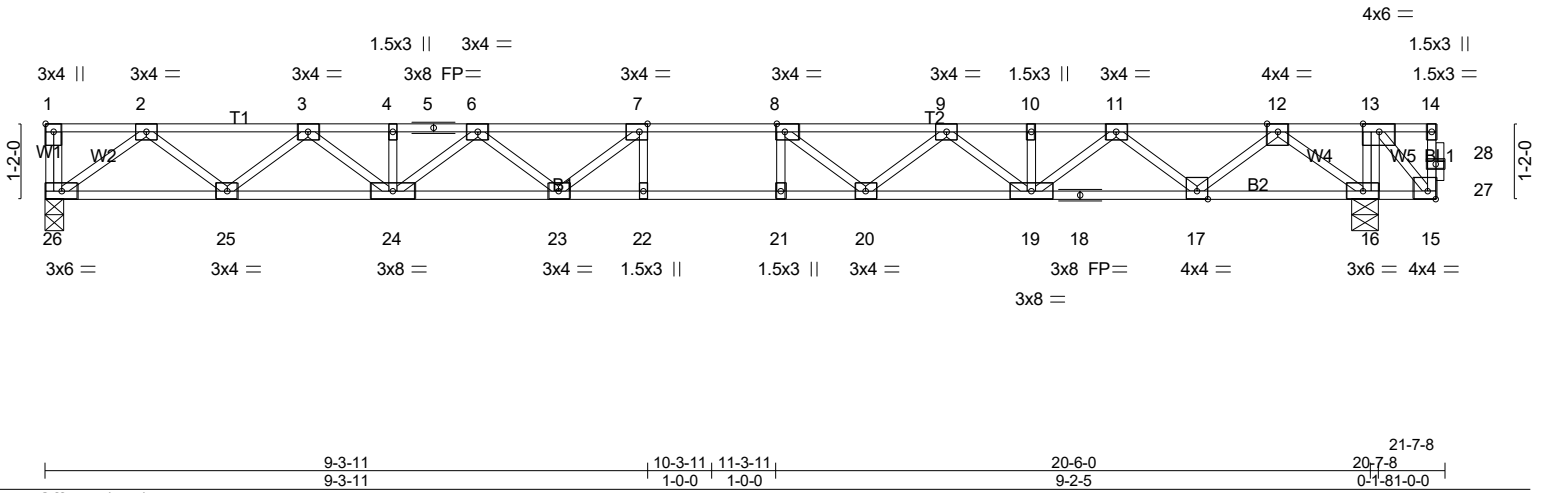
Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F223	Truss Type Floor	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	# 50511
--------------------	---------------	---------------------	----------	----------	--	---------

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:28 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-ZbU25w?BLNzZ_CSEii70SfpQJTopGr7jnia4gyz1h1



Scale = 1:35.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	1-4-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.95	Vert(LL) -0.33 21-22 >736 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.43	Vert(CT) -0.43 22 >572 360		
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(CT) 0.06 16 n/a n/a		
	Code IRC2021/TPI2014			Weight: 111 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(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, Except: 6-0-0 oc bracing: 16-17,15-16.

REACTIONS. (lb/size) 26=718/0-3-8 (min. 0-1-8), 16=1445/0-5-4 (min. 0-1-8)
Max Grav 26=719(LC 3), 16=1445(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-27=-620/0, 27-28=-620/0, 14-28=-620/0, 2-3=-1573/0, 3-4=-2640/0, 4-5=-2640/0, 5-6=-2640/0, 6-7=-3207/0, 7-8=-3354/0, 8-9=-3082/0, 9-10=-2382/0, 10-11=-2382/0, 11-12=-1172/41, 12-13=0/552
BOT CHORD 25-26=0/937, 24-25=0/2186, 23-24=0/3030, 22-23=0/3354, 21-22=0/3354, 20-21=0/3354, 19-20=0/2828, 18-19=0/1855, 17-18=0/1855, 16-17=-264/474, 15-16=-552/0
WEBS 13-16=-695/0, 7-23=-409/136, 6-23=0/331, 6-24=-498/0, 3-24=0/579, 3-25=-798/0, 2-25=0/828, 2-26=-1158/0, 8-20=-572/0, 9-20=0/435, 9-19=-571/0, 11-19=0/675, 11-17=-891/0, 12-17=0/911, 12-16=-1231/0, 13-15=0/825

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-14=-67
Concentrated Loads (lb)
Vert: 14=-600
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-14=-67
Concentrated Loads (lb)
Vert: 14=-600
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-13=-67, 13-14=-13



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F223	Floor	1	1	Job Reference (optional) # 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:28 2024 Page 2
ID:Y0TufVQvixldP38M7WA8KMy66Ni-ZbU25w?BLNzZ_CSEIi70SpQJTopGr7jnia4gyz1h1

LOAD CASE(S) Standard

- Concentrated Loads (lb)
Vert: 14=-600
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-13=-13, 13-14=-67
Concentrated Loads (lb)
Vert: 14=-600
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-13=-67, 13-14=-13
Concentrated Loads (lb)
Vert: 14=-600
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-13=-13, 13-14=-67
Concentrated Loads (lb)
Vert: 14=-600
- 7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-8=-67, 8-13=-13, 13-14=-67
Concentrated Loads (lb)
Vert: 14=-600
- 8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-7=-13, 7-13=-67, 13-14=-13
Concentrated Loads (lb)
Vert: 14=-600
- 9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-8=-67, 8-13=-13, 13-14=-67
Concentrated Loads (lb)
Vert: 14=-600
- 10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-7, 1-7=-13, 7-13=-67, 13-14=-13
Concentrated Loads (lb)
Vert: 14=-600



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F224	Floor	6	1	# 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:28 2024 Page 1
 ID:Y0TufVQvixldP38M7WA8KMy66Ni-ZbU25w?BLNzZ_CSEil70SfndJWJpEY7jnia4gyz1h1

0-1-8
 Scale = 1:35.6

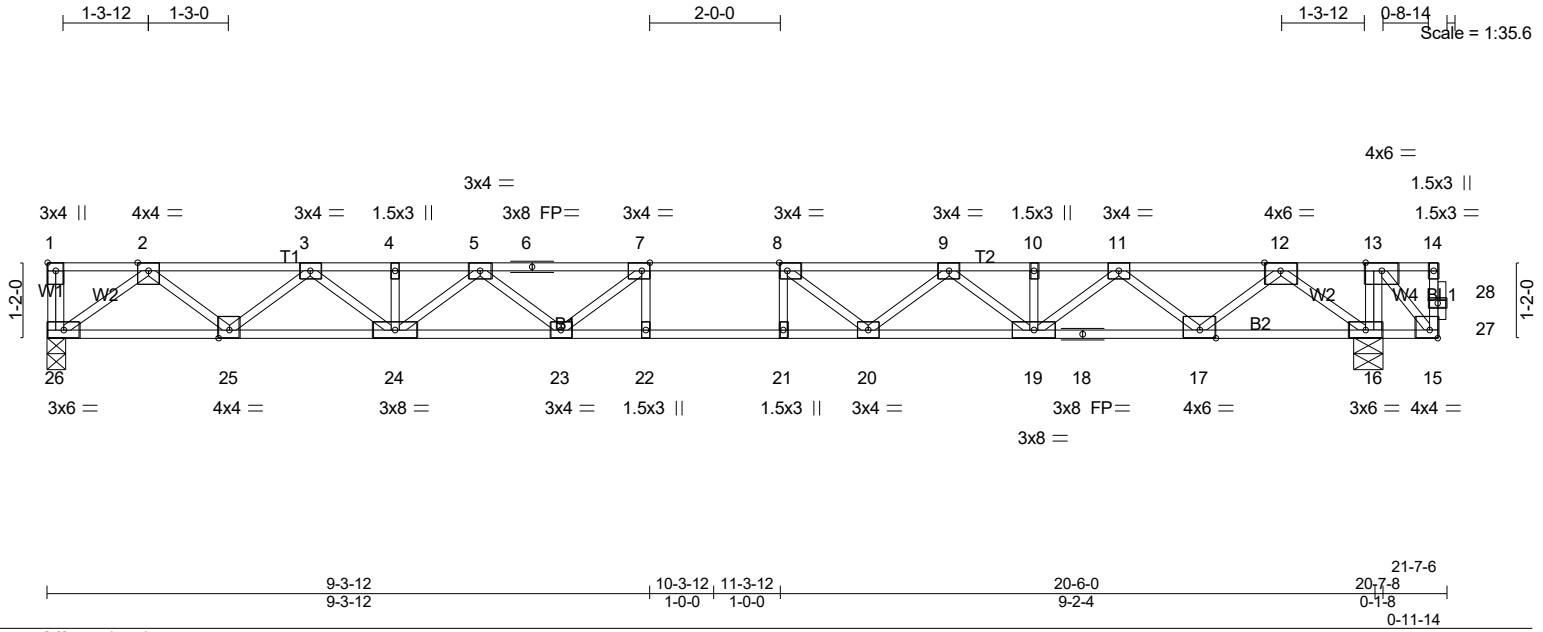


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [15:Edge,0-1-8]

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 0.60	Vert(LL)	-0.38 21-22	>647	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.72	Vert(CT)	-0.49 22	>498	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.52	Horz(CT)	0.07 16	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						

Weight: 111 lb FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,15-16.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=867/0-3-8 (min. 0-1-8), 16=1607/0-5-4 (min. 0-1-8)
 Max Grav 26=868(LC 3), 16=1607(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 15-27=-624/0, 27-28=-624/0, 14-28=-624/0, 2-3=-1903/0, 3-4=-3195/0, 4-5=-3195/0,
 5-6=-3890/0, 6-7=-3890/0, 7-8=-4079/0, 8-9=-3765/0, 9-10=-2939/0, 10-11=-2939/0,
 11-12=-1503/0, 12-13=0/549
 BOT CHORD 25-26=0/1133, 24-25=0/2645, 23-24=0/3670, 22-23=0/4079, 21-22=0/4079, 20-21=0/4079,
 19-20=0/3469, 18-19=0/2315, 17-18=0/2315, 16-17=-212/672, 15-16=-549/0
 WEBS 13-16=-714/0, 7-23=-509/150, 5-23=0/404, 5-24=-606/0, 3-24=0/703, 3-25=-966/0,
 2-25=0/1002, 2-26=-1400/0, 8-20=-672/0, 9-20=0/506, 9-19=-679/0, 11-19=0/799,
 11-17=-1060/0, 12-17=0/1084, 12-16=-1467/0, 13-15=0/826

- NOTES-** (5)
 1) Unbalanced floor live loads have been considered for this design.
 2) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 4) CAUTION, Do not erect truss backwards.

- LOAD CASE(S)** Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 15-26=-8, 1-14=-80
 Concentrated Loads (lb)
 Vert: 14=-600
 2) Dead: Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 15-26=-8, 1-14=-80
 Concentrated Loads (lb)
 Vert: 14=-600
 3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 15-26=-8, 1-13=-80, 13-14=-16



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
24-5966-F02	F224	Floor	6	1	Job Reference (optional) # 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:28 2024 Page 2
ID:Y0TufVQvixldP38M7WA8KMy66Ni-ZbU25w?BLNzZ_CSEiil70SfndJWJpEY7jnia4gyz1h1

LOAD CASE(S) Standard

- Concentrated Loads (lb)
Vert: 14=-600
- 4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-13=-16, 13-14=-80
Concentrated Loads (lb)
Vert: 14=-600
- 5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-13=-80, 13-14=-16
Concentrated Loads (lb)
Vert: 14=-600
- 6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-13=-16, 13-14=-80
Concentrated Loads (lb)
Vert: 14=-600
- 7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-8=-80, 8-13=-16, 13-14=-80
Concentrated Loads (lb)
Vert: 14=-600
- 8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-7=-16, 7-13=-80, 13-14=-16
Concentrated Loads (lb)
Vert: 14=-600
- 9) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-8=-80, 8-13=-16, 13-14=-80
Concentrated Loads (lb)
Vert: 14=-600
- 10) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-7=-16, 7-13=-80, 13-14=-16
Concentrated Loads (lb)
Vert: 14=-600



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F225	Truss Type Floor	Qty 4	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC
					# 50511

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:29 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-2n2RJG0p6h5PbM1QJPPmZfByJjsYyHnGyRR8c7yz1h0

0-1-8

1-3-12 | 1-3-0

2-0-0

1-3-12 | 0-8-14
Scale = 1:35.6

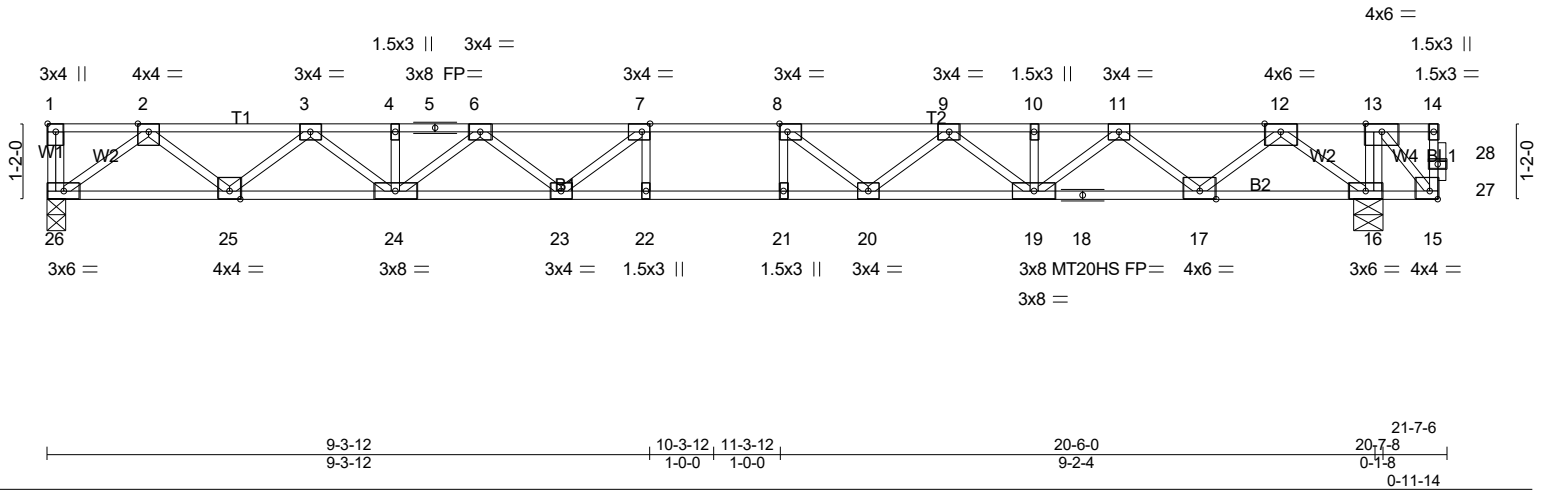


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-8,Edge], [15:Edge,0-1-8]

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 0.60	Vert(LL)	-0.38 21-22	>647	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.72	Vert(CT)	-0.51 21-22	>479	360	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.52	Horz(CT)	0.08 16	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						
									Weight: 111 lb FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,15-16.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 26=867/0-3-8 (min. 0-1-8), 16=1607/0-5-4 (min. 0-1-8)
Max Grav 26=888(LC 3), 16=1607(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-27=-624/0, 27-28=-624/0, 14-28=-624/0, 2-3=-1955/0, 3-4=-3297/0, 4-5=-3297/0, 5-6=-3297/0, 6-7=-4038/0, 7-8=-4272/0, 8-9=-4003/0, 9-10=-3224/0, 10-11=-3224/0, 11-12=-1838/0, 12-13=0/549
BOT CHORD 25-26=0/1161, 24-25=0/2721, 23-24=0/3791, 22-23=0/4272, 21-22=0/4272, 20-21=0/4272, 19-20=0/3734, 18-19=0/2626, 17-18=0/2626, 16-17=-212/1030, 15-16=-549/0
WEBS 13-16=-714/0, 7-23=-566/150, 6-23=0/440, 6-24=-631/0, 3-24=0/735, 3-25=-997/0, 2-25=0/1033, 2-26=-1434/0, 8-20=-673/43, 9-20=0/506, 9-19=-679/0, 11-19=0/799, 11-17=-1060/0, 12-17=0/1084, 12-16=-1464/0, 13-15=0/826

- NOTES-** (5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-26=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 14=-600



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job 24-5966-F02	Truss F226	Truss Type Floor Supported Gable	Qty 1	Ply 1	LOT 0.0010 HONEYCUTT HILLS 199 SHELBY MEADOW LANE ANGIER, NC	Job Reference (optional) # 50511
--------------------	---------------	-------------------------------------	----------	----------	--	--

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 11 20:56:29 2024 Page 1
ID:Y0TufVQvixldP38M7WA8KMy66Ni-2n2RJG0p6h5PbM1QJpMZfB4gj1hYpKGyRR8c7yz1h0

Scale = 1:17.4

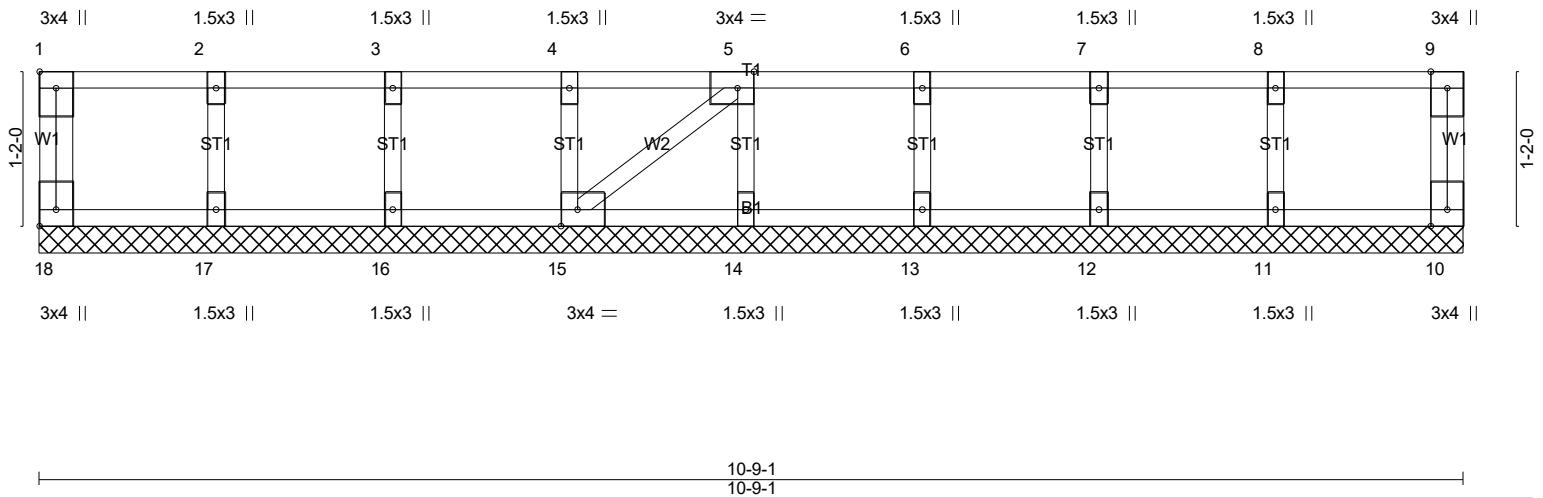


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-1-8,Edge], [18:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.07	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	YES	WB 0.03	Horz(CT)	-0.00	14	n/a	n/a		
BCDL 5.0	Code IRC2021/TPI2014		Matrix-SH						Weight: 49 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. All bearings 10-9-1.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

- NOTES-** (5-8)
- Gable requires continuous bottom chord bearing.
 - 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.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
 - Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 - Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 - Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 - SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAINING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



7/11/2024

Warning!—Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.