

Job 72433235	Truss A1G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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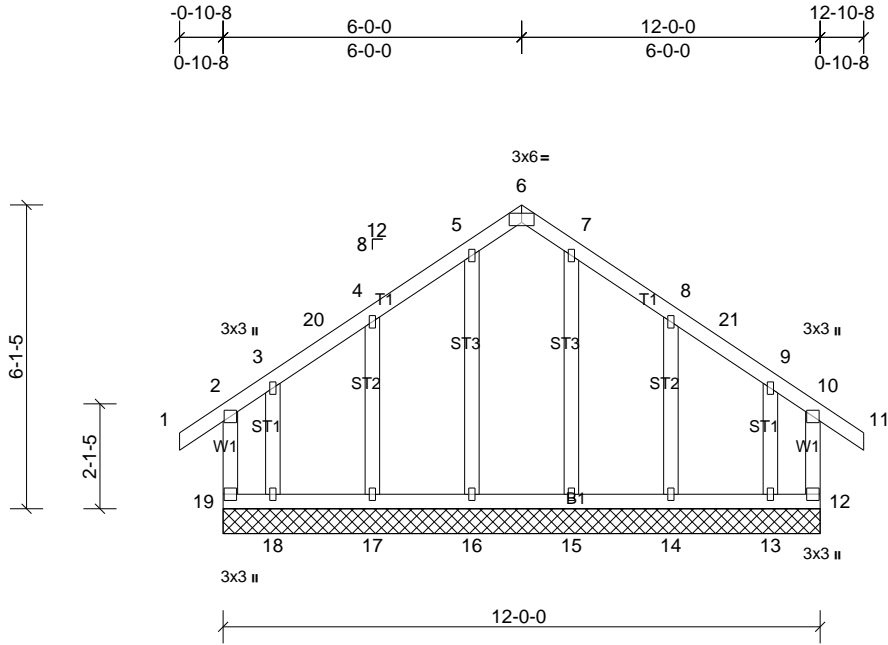


Plate Offsets (X, Y): [6:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 80 lb	FT = 20%

**LUMBER**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.3  
OTHERS 2x4 SP No.3

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

**REACTIONS** All bearings 12-0-0.  
(lb) - Max Horiz 19=-190 (LC 8)  
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 17 except 12=-195 (LC 7), 13=-198 (LC 6), 18=-206 (LC 7), 19=-204 (LC 6)  
Max Grav All reactions 250 (lb) or less at joint(s) 12, 14, 15, 16, 17, 19 except 13=281 (LC 9), 18=289 (LC 8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 4-5=-76/258, 7-8=-77/258

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 3-0-0, Corner(3R) 3-0-0 to 9-0-0, Exterior(2N) 9-0-0 to 9-10-8, Corner(3E) 9-10-8 to 12-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - 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 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 14 except (jt=lb) 19=204, 12=195, 18=205, 13=198.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



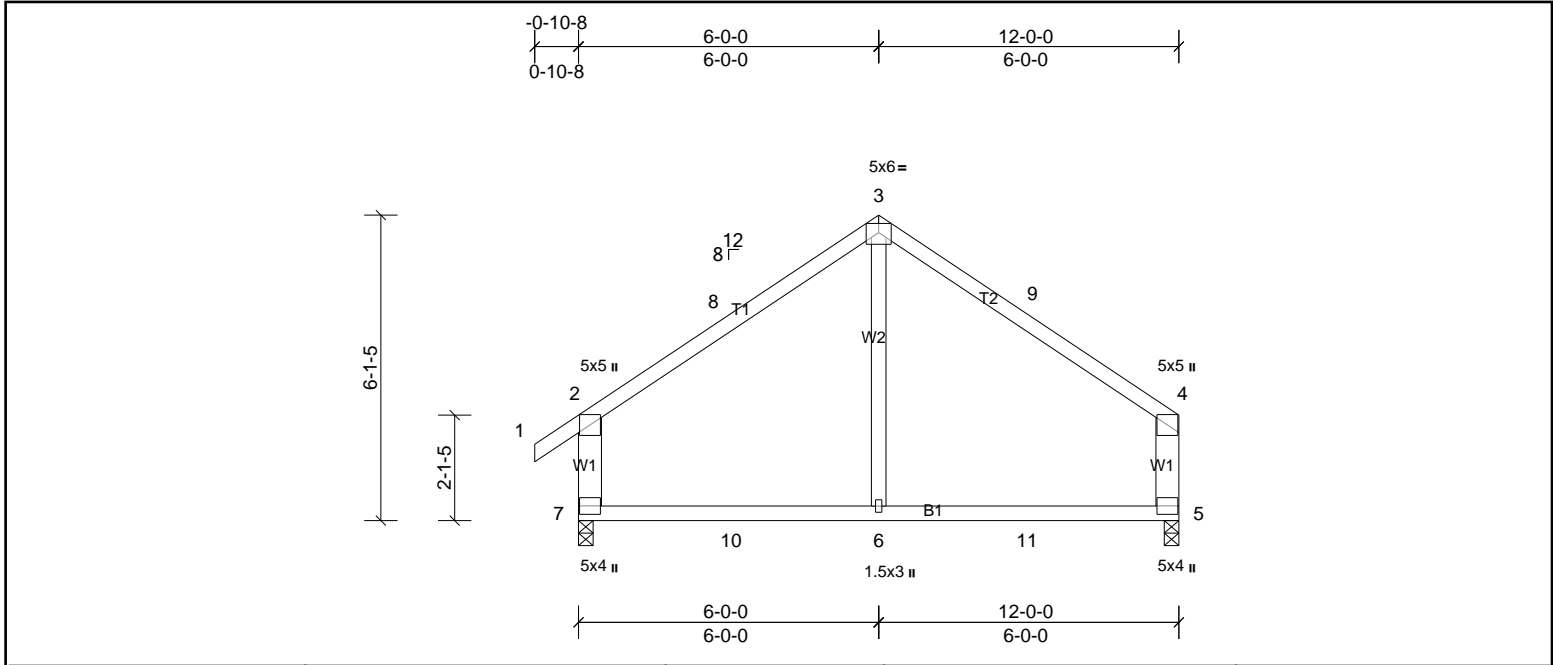
Job 72433235	Truss A2	Truss Type Truss	Qty 5	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.13	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.23	6-7	>605	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 58 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3	

REACTIONS	(lb/size)	5=458/0-3-8, (min. 0-1-8), 7=531/0-3-8, (min. 0-1-8)
	Max Horiz	7=185 (LC 7)
	Max Uplift	5=54 (LC 11), 7=75 (LC 10)
	Max Grav	5=541 (LC 18), 7=605 (LC 18)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-8=-528/130, 3-8=-427/150, 3-9=-425/144, 4-9=-523/123, 2-7=-530/216, 4-5=-482/150
BOT CHORD	7-10=-35/350, 6-10=-35/350, 6-11=-35/350, 5-11=-35/350
WEBS	3-6=0/254

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-0-0, Exterior(2R) 3-0-0 to 8-9-4, Exterior(2E) 8-9-4 to 11-9-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 7 and 54 lb uplift at joint 5.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss A3L	Truss Type Truss	Qty 1	Ply 2	PBS/G FRCH CTRY RF Job Reference (optional)
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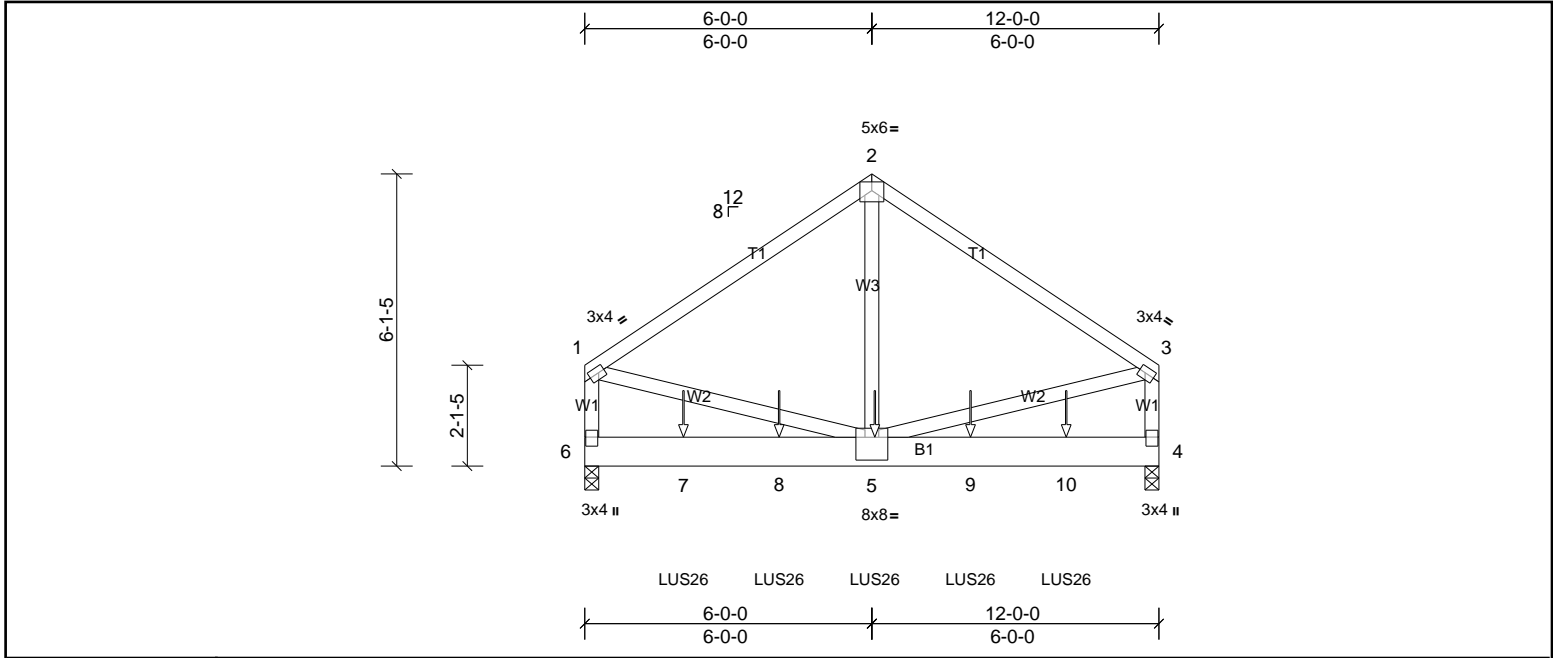


Plate Offsets (X, Y): [1:0-1-8,0-1-8], [3:0-1-8,0-1-8], [4:0-2-4,0-1-8], [5:0-4-0,0-5-12], [6:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	5-6	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 175 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x8 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

**REACTIONS** (lb/size) 4=1941/0-3-8, (min. 0-1-8), 6=1916/0-3-8, (min. 0-1-8)  
Max Horiz 6=166 (LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-1694/0, 2-3=-1694/0, 1-6=-1408/0, 3-4=-1408/0  
BOT CHORD 6-7=-146/257, 7-8=-146/257, 5-8=-146/257  
WEBS 2-5=0/1450, 1-5=0/1230, 3-5=0/1229

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.  
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) to front face of bottom chord.
  - Fill all nail holes where hanger is in contact with lumber.

**LOAD CASE(S)** Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (lb/ft)  
Vert: 1-2=-60, 2-3=-60, 4-6=-20  
Concentrated Loads (lb)  
Vert: 5=-584 (F), 7=-584 (F), 8=-584 (F), 9=-584 (F), 10=-584 (F)



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Job 72433235	Truss B1	Truss Type Truss	Qty 5	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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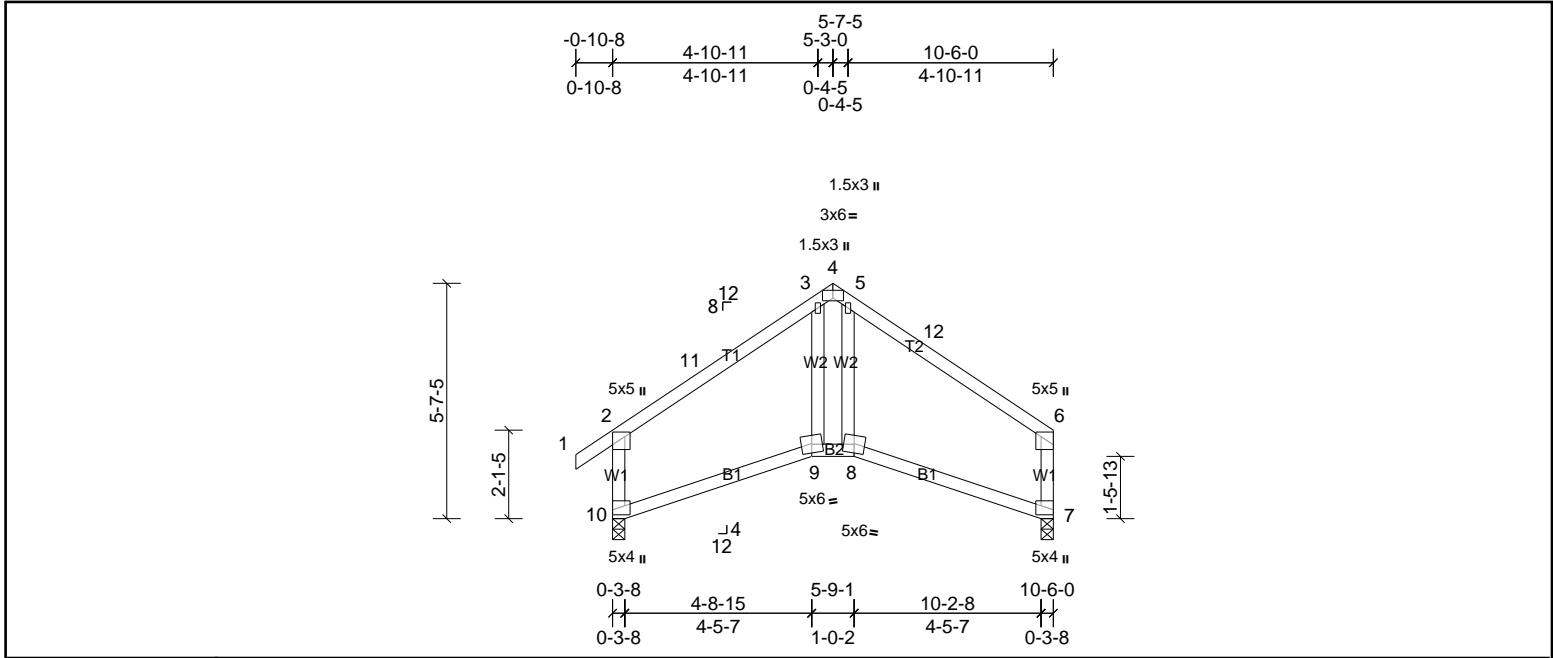


Plate Offsets (X, Y): [2:0-2-8,0-1-12], [4:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.16	8-9	>777	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.31	8-9	>391	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.21	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 53 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W1:2x4 SP No.2		

REACTIONS	(lb/size)	7=405/0-3-8, (min. 0-1-8), 10=473/0-3-8, (min. 0-1-8)
	Max Horiz	10=172 (LC 7)
	Max Uplift	7=48 (LC 11), 10=67 (LC 10)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-11=474/106, 3-11=377/125, 3-4=264/156, 4-5=307/147, 5-12=370/120, 6-12=462/102, 2-10=490/188, 6-7=439/124
BOT CHORD	9-10=72/322, 8-9=54/303, 7-8=61/309

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-10-8 to 2-1-8, Exterior(2R) 2-1-8 to 7-4-4, Exterior(2E) 7-4-4 to 10-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 10, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 10 and 48 lb uplift at joint 7.



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Job 72433235	Truss B1G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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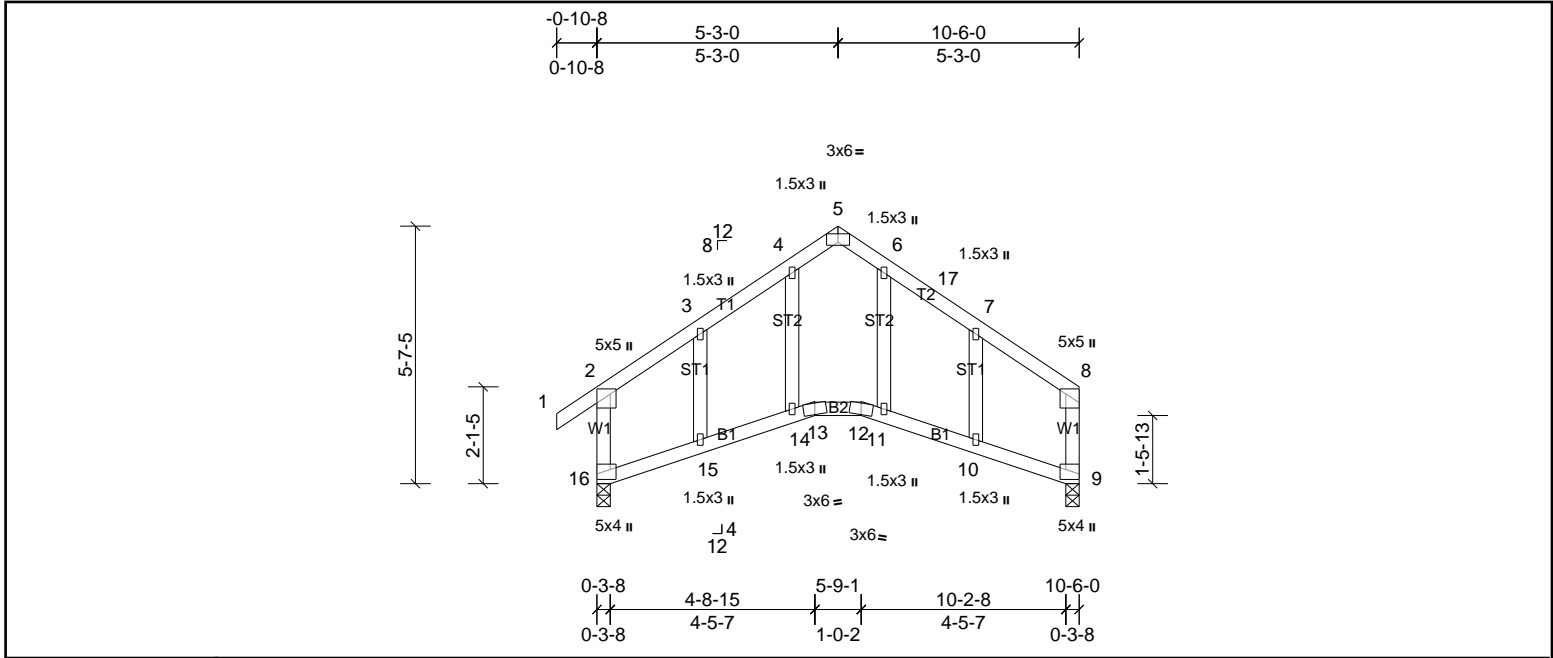


Plate Offsets (X, Y): [2:0-2-8,0-1-12], [5:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.13	12-13	>925	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.27	12-13	>461	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.18	16	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 59 lb	FT = 20%

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

**REACTIONS** (lb/size) 9=405/0-3-8, (min. 0-1-8), 16=473/0-3-8, (min. 0-1-8)  
 Max Horiz 9=172 (LC 7)  
 Max Uplift 9=48 (LC 11), 16=67 (LC 10)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-414/267, 2-3=-404/181, 3-4=-383/261, 4-5=-279/240, 5-6=-282/233, 6-17=-346/255, 7-17=-390/248, 7-8=-392/163, 8-9=-358/167  
 BOT CHORD 15-16=-60/270, 14-15=-89/291, 13-14=-66/258, 12-13=-67/282, 11-12=-70/273, 10-11=-94/302, 9-10=-58/263

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-3-0, Corner(3R) 2-3-0 to 7-4-4, Corner(3E) 7-4-4 to 10-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 16, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 16 and 48 lb uplift at joint 9.



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Job 72433235	Truss C2	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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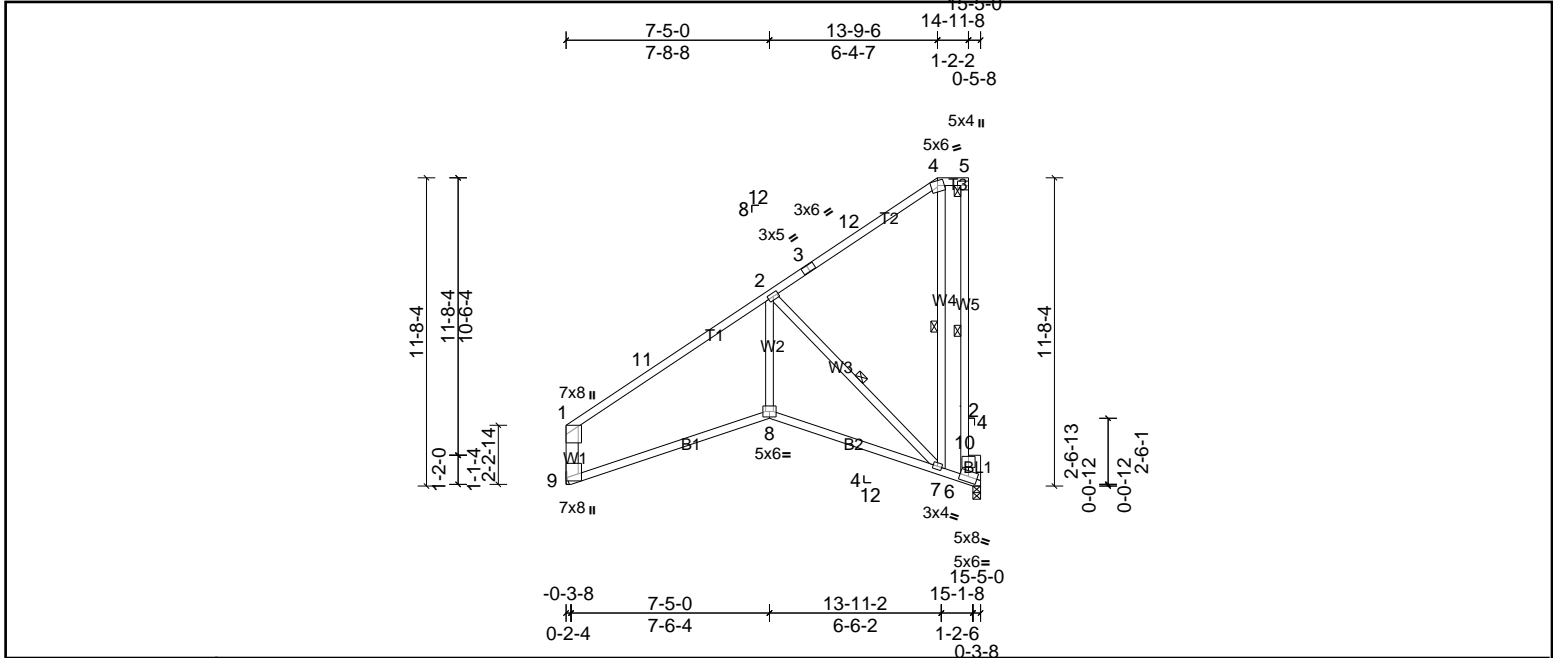


Plate Offsets (X, Y): [5:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.41	7-8	>439	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.85	7-8	>214	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.51	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 111 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2 *Except* T1:2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end
BOT CHORD 2x4 SP No.1 *Except* B2:2x4 SP No.2	verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
WEBS 2x4 SP No.3 *Except* W1:2x6 SP No.2, W5:2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x6 SP No.2	WEBS 1 Row at midpt 5-6, 4-7, 2-7

REACTIONS	(lb/size)
Max Horiz	6=591/0-3-8, (min. 0-1-8), 9=604/ Mechanical, (min. 0-1-8)
Max Uplift	9=345 (LC 10)
Max Grav	6=264 (LC 10)
	6=613 (LC 18), 9=604 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-11=789/75, 2-11=668/105, 6-10=250/61, 1-9=664/131
BOT CHORD	8-9=389/701, 7-8=391/726
WEBS	2-8=182/544, 2-7=887/486

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-6-4 to 3-6-4, Interior (1) 3-6-4 to 11-4-7, Exterior(2R) 11-4-7 to 14-4-7, Exterior(2E) 14-4-7 to 15-4-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 6.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss C3	Truss Type Truss	Qty 4	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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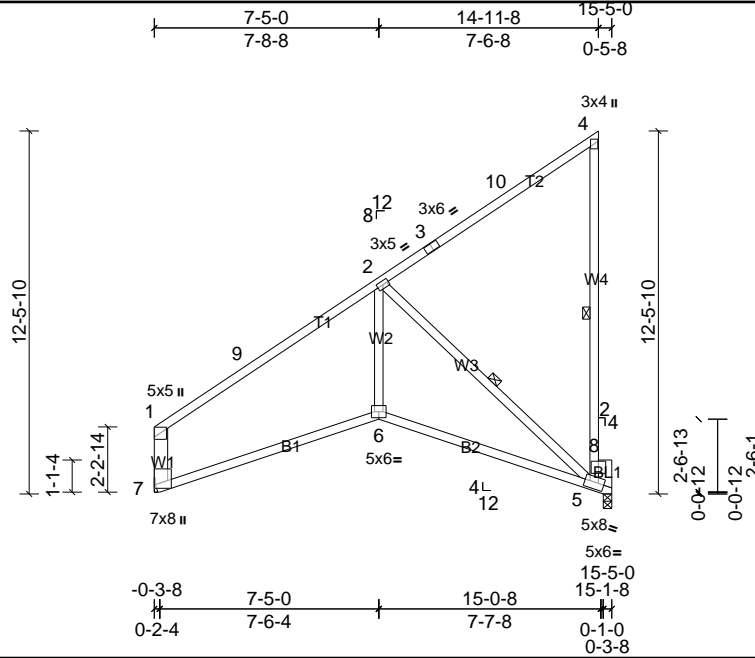


Plate Offsets (X, Y): [5:0-2-0,0-2-12]

Loading	(psf)	Spacing		2-0-0	CSI		DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL		1.15	TC	0.85	Vert(LL)	-0.34	6	>530	240	MT20	244/190
TCDL	10.0	Lumber DOL		1.15	BC	0.75	Vert(CT)	-0.68	5-6	>265	180		
BCLL	0.0*	Rep Stress Incr		YES	WB	0.42	Horz(CT)	0.44	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014		Matrix-MSH							Weight: 98 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T1:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS *Except* B2:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-11-11 oc bracing.
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2	WEBS	1 Row at midpt 4-5, 2-5
OTHERS	2x6 SP No.2		

**REACTIONS**

(lb/size)	5=591/0-3-8, (min. 0-1-8), 7=604/ Mechanical, (min. 0-1-8)
Max Horiz	7=372 (LC 10)
Max Uplift	5=-301 (LC 10)
Max Grav	5=650 (LC 18), 7=604 (LC 1)

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

TOP CHORD	1-9=-765/54, 2-9=-633/84, 1-7=-618/114
BOT CHORD	6-7=-402/646, 5-6=-398/659
WEBS	2-6=-157/481, 2-5=-810/493

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-6-4 to 3-6-4, Interior (1) 3-6-4 to 12-4-12, Exterior(2E) 12-4-12 to 15-4-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 5.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job 72433235	Truss C4	Truss Type Truss	Qty 8	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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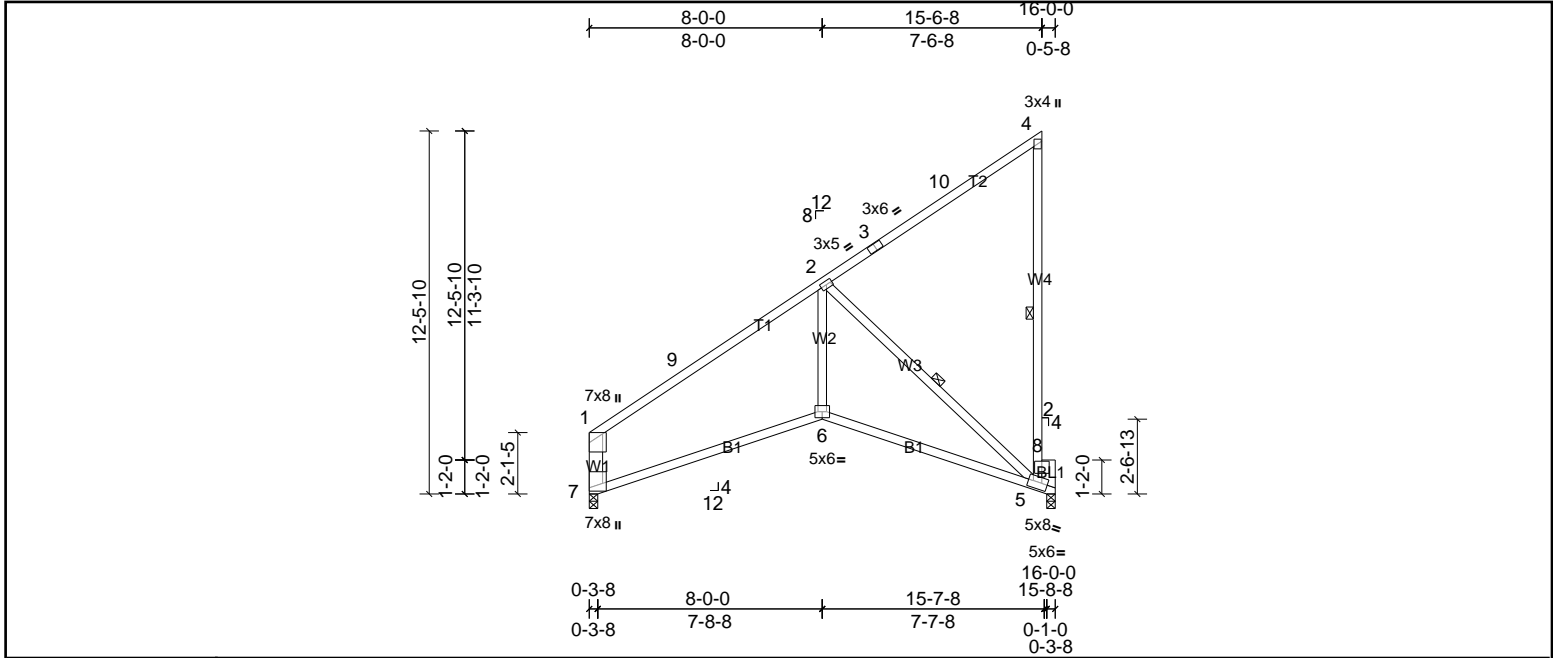


Plate Offsets (X, Y): [5:0-2-0,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.35	6	>525	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.69	5-6	>269	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.46	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 98 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T1:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 9-6-11 oc bracing.
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2	WEBS	1 Row at midpt 4-5, 2-5
OTHERS	2x6 SP No.2		
REACTIONS			
(lb/size)	5=602/0-3-8, (min. 0-1-8), 7=616/0-3-8, (min. 0-1-8)		
Max Horiz	7=381 (LC 10)		
Max Uplift	5=-304 (LC 10)		
Max Grav	5=662 (LC 18), 7=616 (LC 1)		
FORCES			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	1-9=-812/58, 2-9=-692/89, 1-7=-675/120		
BOT CHORD	6-7=-410/736, 5-6=-406/748		
WEBS	2-6=-160/528, 2-5=-926/503		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 12-4-12, Exterior(2E) 12-4-12 to 15-4-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 5, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 304 lb uplift at joint 5.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



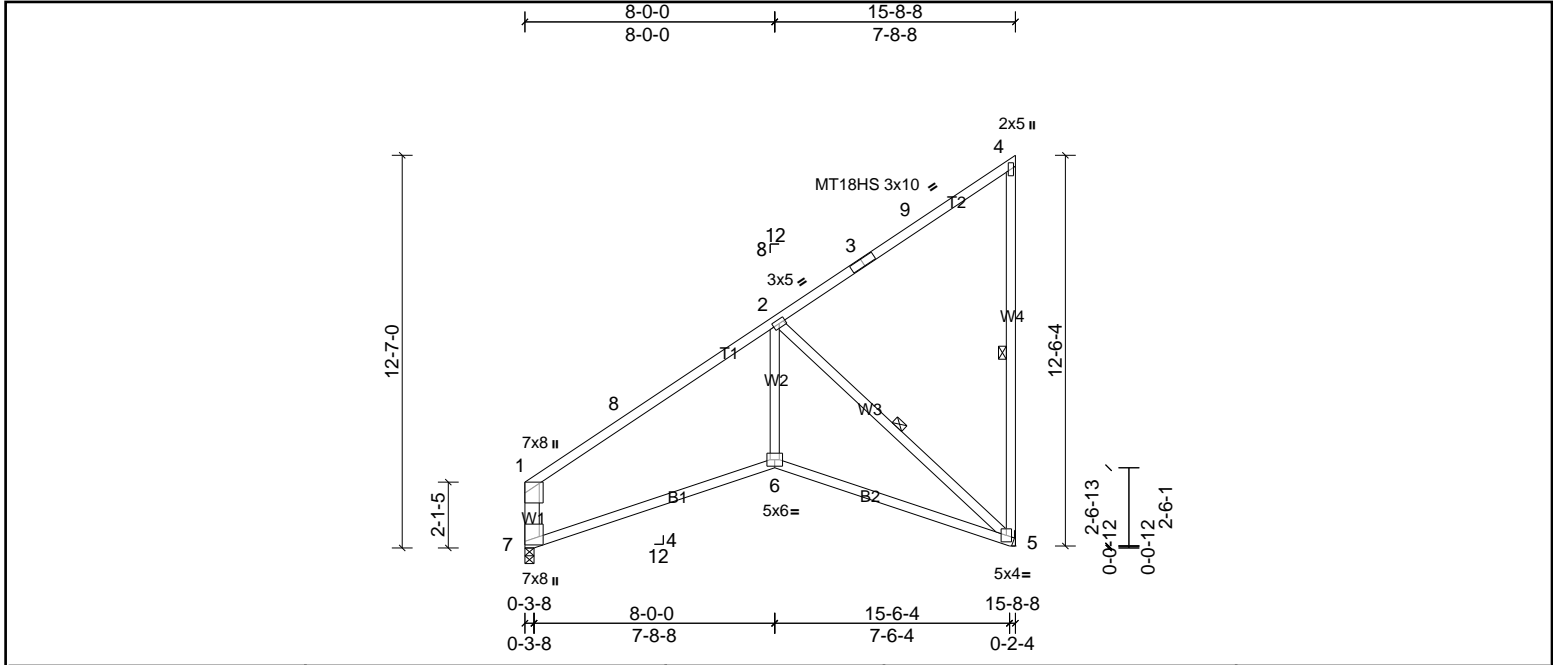
Job 72433235	Truss C5	Truss Type Truss	Qty 5	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.35	6	>521	240	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.70	5-6	>264	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.46	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 96 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T1:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1 *Except* B2:2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-10-5 oc bracing.
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2	WEBS	1 Row at midpt 4-5, 2-5

REACTIONS	(lb/size)	5=613/ Mechanical, (min. 0-1-8), 7=613/0-3-8, (min. 0-1-8)
Max Horiz	7=386 (LC 10)	
Max Uplift	5=314 (LC 10)	
Max Grav	5=674 (LC 18), 7=613 (LC 1)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-8=-810/52, 2-8=-690/84, 4-5=-252/133, 1-7=-673/116
BOT CHORD	6-7=-411/738, 5-6=-404/752
WEBS	2-6=-161/536, 2-5=-941/508

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 12-6-12, Exterior(2E) 12-6-12 to 15-6-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are MT20 plates unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 5.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss C6	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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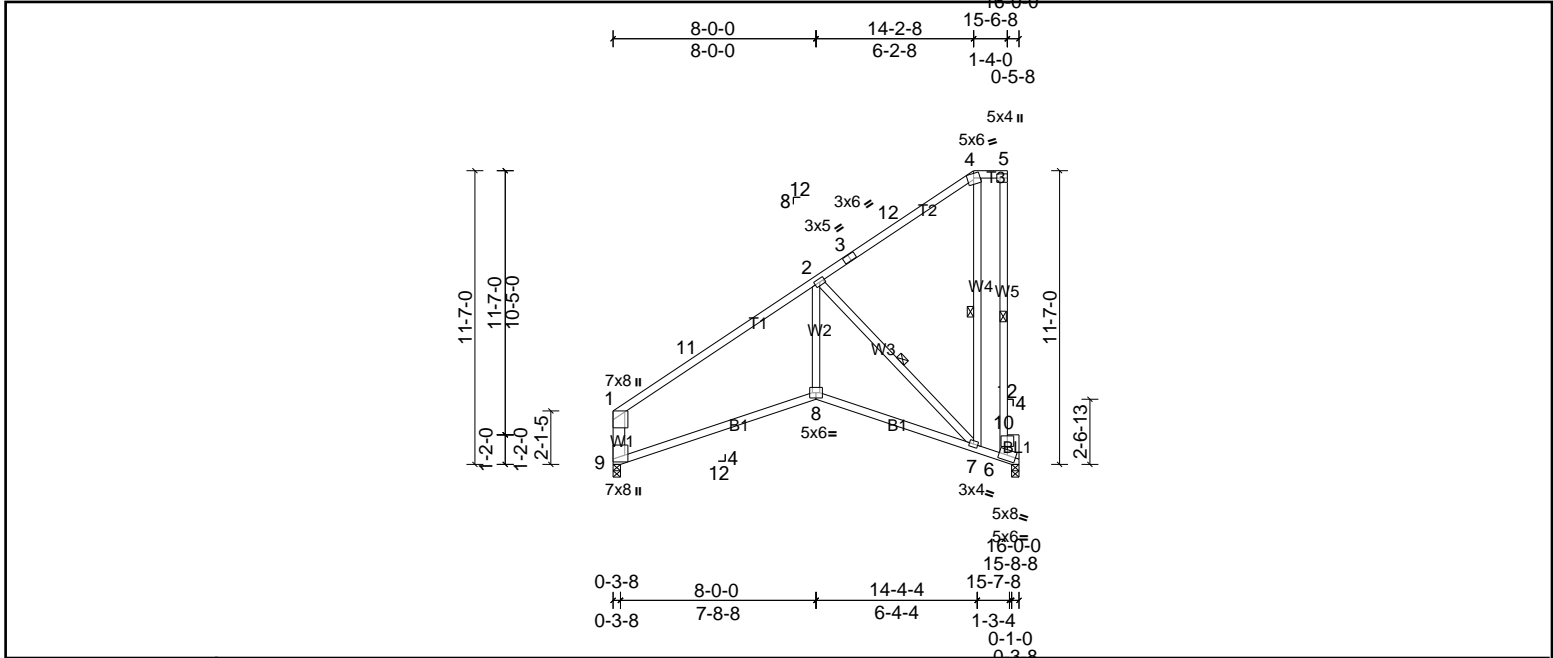


Plate Offsets (X, Y): [5:Edge,0-3-8]

Loading	(psf)	Spacing		2-0-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL		1.15	TC	0.98	Vert(LL)	-0.41	7-8	>445	240	MT20	244/190
TCDL	10.0	Lumber DOL		1.15	BC	0.83	Vert(CT)	-0.84	7-8	>219	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.40	Horz(CT)	0.51	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014		Matrix-MSH							Weight: 111 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T1:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W5:2x4 SP No.2, W1:2x6 SP No.2	WEBS	1 Row at midpt
OTHERS	2x6 SP No.2		5-6, 2-7, 4-7

REACTIONS	(lb/size)	
	6=602/0-3-8, (min. 0-1-8), 9=616/0-3-8, (min. 0-1-8)	
	Max Horiz	9=350 (LC 10)
	Max Uplift	6=261 (LC 10)
	Max Grav	6=619 (LC 18), 9=616 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-11=-821/82, 2-11=-697/114, 6-10=-255/68, 1-9=-686/140
BOT CHORD	8-9=-396/726, 7-8=-398/754
WEBS	2-8=-189/576, 2-7=-926/497

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 11-2-8, Exterior(2R) 11-2-8 to 14-2-8, Exterior(2E) 14-2-8 to 15-4-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 9, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint 6.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



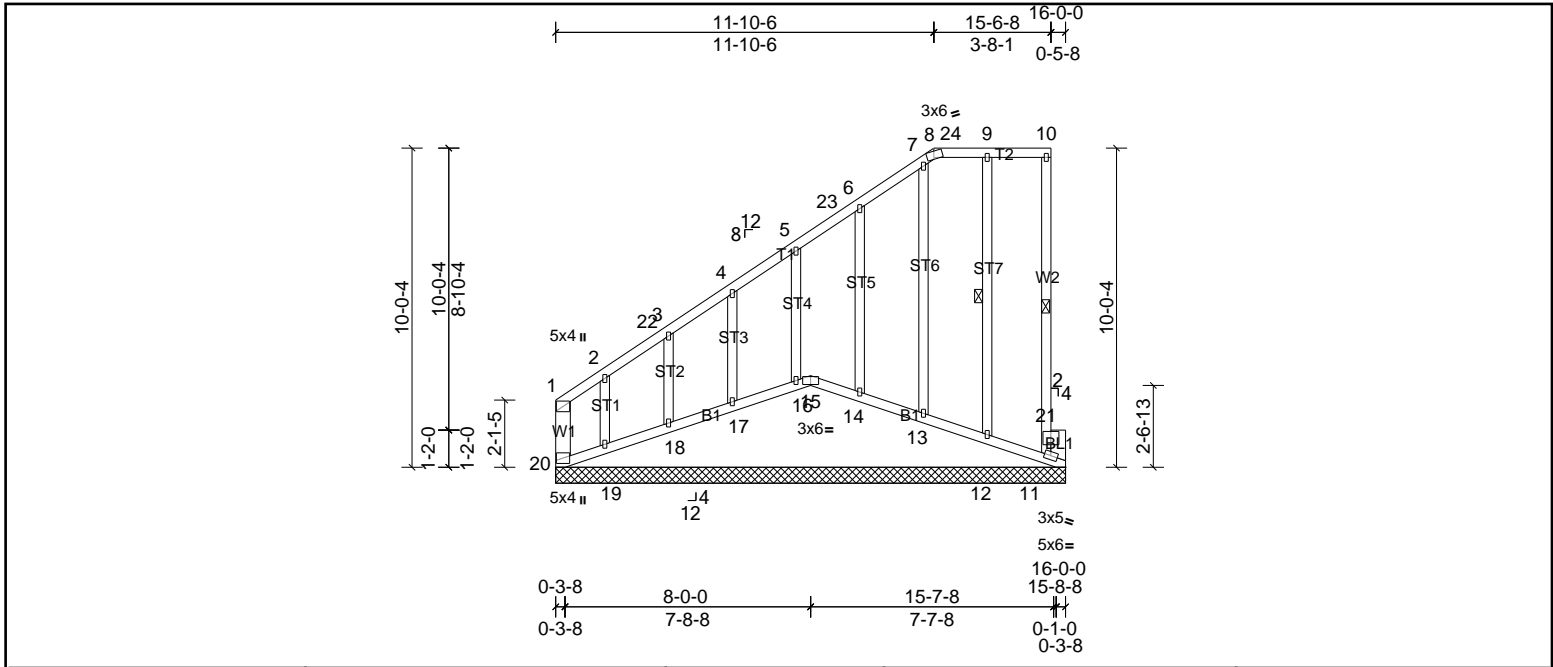
Job 72433235	Truss C7G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	1.15	WB	0.18	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 125 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x6 SP No.2 *Except* W2:2x4 SP No.3	WEBS	1 Row at midpt
OTHERS	2x4 SP No.3 *Except* BL1:2x6 SP No.2		10-11, 9-12

REACTIONS	
All bearings 16-0-0.	
(lb) - Max Horiz	20=287 (LC 10)
Max Uplift	All uplift 100 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17 except 19=-665 (LC 10), 20=-296 (LC 8)
Max Grav	All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18 except 19=394 (LC 8), 20=723 (LC 10)

FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-20=-431/264, 1-2=-497/306, 2-22=-289/148, 3-22=-277/168
WEBS	2-19=-289/359

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 8-10-7, Exterior(2R) 8-10-7 to 12-4-12, Exterior(2E) 12-4-12 to 15-4-12 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - Provide adequate drainage to prevent water ponding.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - 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 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 15, 12, 13, 14, 16, 17 except (jt=lb) 20=296, 19=664.
  - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 11, 15, 12, 13, 14, 16, 17, 18, 19.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss D1G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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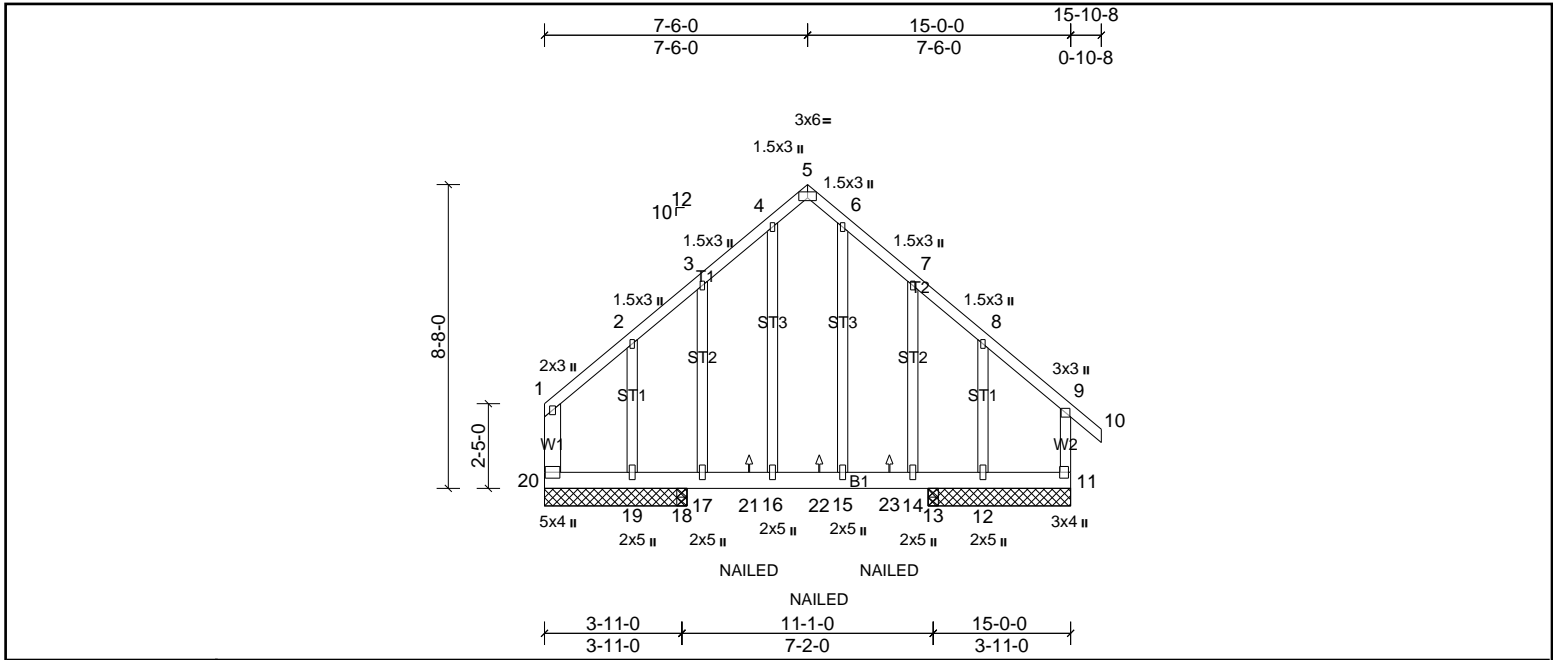


Plate Offsets (X, Y): [5:0-3-0,Edge], [11:0-2-0,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.02	15-16	>999	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.04	15-16	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 122 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.
WEBS 2x6 SP No.2 *Except* W2:2x4 SP No.3	
OTHERS 2x4 SP No.3	

**REACTIONS** All bearings 4-0-12, except 18=0-3-8, 13=0-3-8  
 (lb) - Max Horiz 20=-254 (LC 4)  
 Max Uplift All uplift 100 (lb) or less at joint(s) 11 except 12=-376 (LC 28), 19=-352 (LC 26), 20=-174 (LC 4)  
 Max Grav All reactions 250 (lb) or less at joint(s) 12, 19 except 11=373 (LC 15), 13=609 (LC 1), 18=616 (LC 15), 20=362 (LC 16)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 9-11=-253/56

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - Gable studs spaced at 2'-0" oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 20=174, 19=351, 12=376.
  - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
  - 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
- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (lb/ft)  
 Vert: 1-5=-76, 5-9=-76, 9-10=-76, 11-20=-20  
 Concentrated Loads (lb)  
 Vert: 21=1 (F), 22=1 (F), 23=1 (F)



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



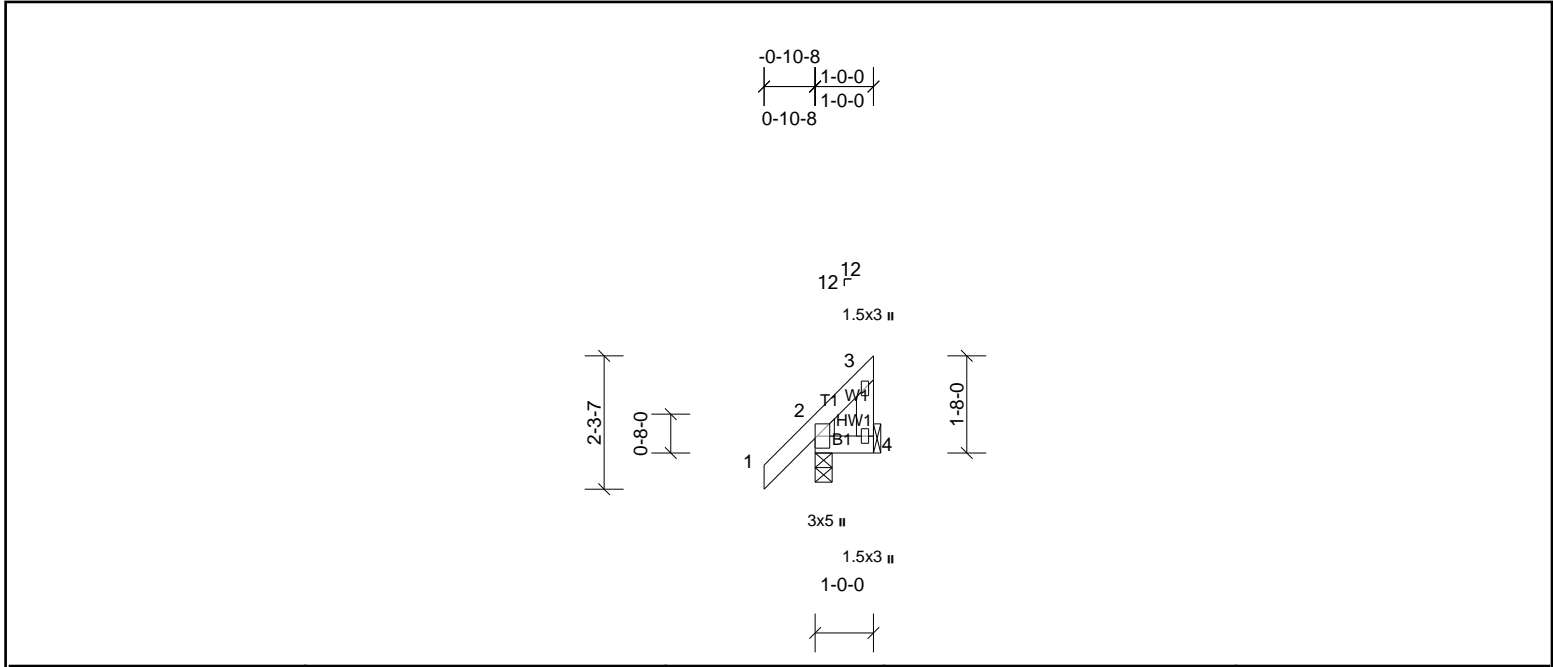
Job 72433235	Truss DJ	Truss Type Truss	Qty 5	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 8 lb	FT = 20%

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

REACTIONS	(lb/size)	2=114/0-3-8, (min. 0-1-8), 4=7/ Mechanical, (min. 0-1-8)
Max Horiz	2=65 (LC 10)	
Max Uplift	2=11 (LC 10), 4=22 (LC 10)	
Max Grav	2=114 (LC 1), 4=20 (LC 8)	

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 2 and 22 lb uplift at joint 4.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job 72433235	Truss E1SG	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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UFPI Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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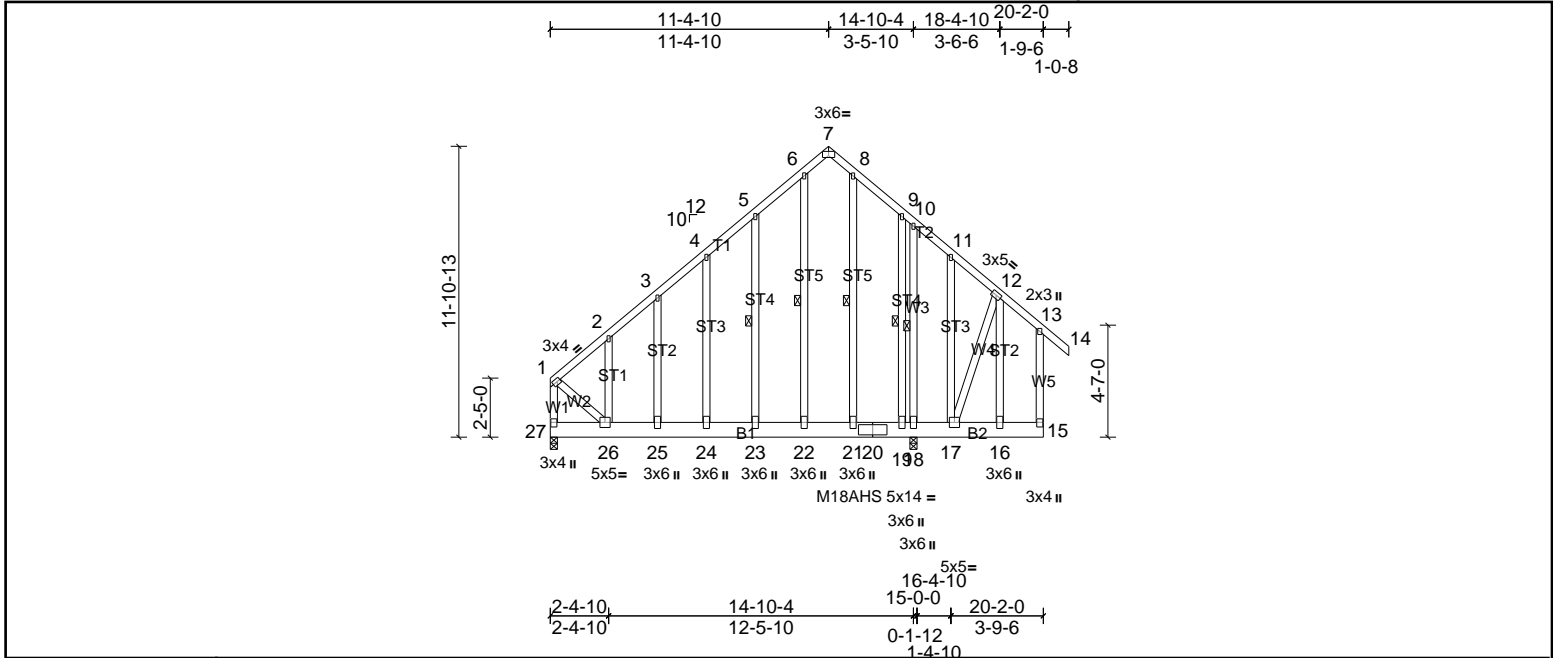


Plate Offsets (X, Y): [1:0-1-8,0-1-8], [7:0-3-0,Edge], [15:0-2-4,0-1-8], [27:0-2-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.33	24-25	>530	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.53	24	>334	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.00	18	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 233 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x8 SP No.2 *Except* B2:2x8 SP No.1	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 10-18, 6-22, 8-21, 5-23, 9-19
OTHERS	2x4 SP No.3		

**REACTIONS**

(lb/size) 18=1415/0-3-8, (min. 0-1-11), 27=584/0-3-8, (min. 0-1-8)  
Max Horiz 27=357 (LC 9)  
Max Uplift 18=-136 (LC 10), 27=-45 (LC 10)  
Max Grav 18=1415 (LC 1), 27=622 (LC 24)

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

TOP CHORD 1-2=-265/108, 8-9=-287/259, 1-27=-355/140  
BOT CHORD 26-27=-340/329, 25-26=-147/258, 24-25=-147/258, 23-24=-147/258, 22-23=-147/258, 21-22=-147/258, 20-21=-147/258, 19-20=-147/258, 18-19=-147/258, 17-18=-147/258  
WEBS 12-16=-615/187, 1-26=-188/300, 12-17=-215/510

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 8-4-10, Exterior(2R) 8-4-10 to 14-4-10, Interior (1) 14-4-10 to 18-2-8, Exterior (2E) 18-2-8 to 21-2-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - All plates are MT20 plates unless otherwise indicated.
  - All plates are 1.5x3 MT20 unless otherwise indicated.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 27 and 136 lb uplift at joint 18.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss E2	Truss Type Truss	Qty 3	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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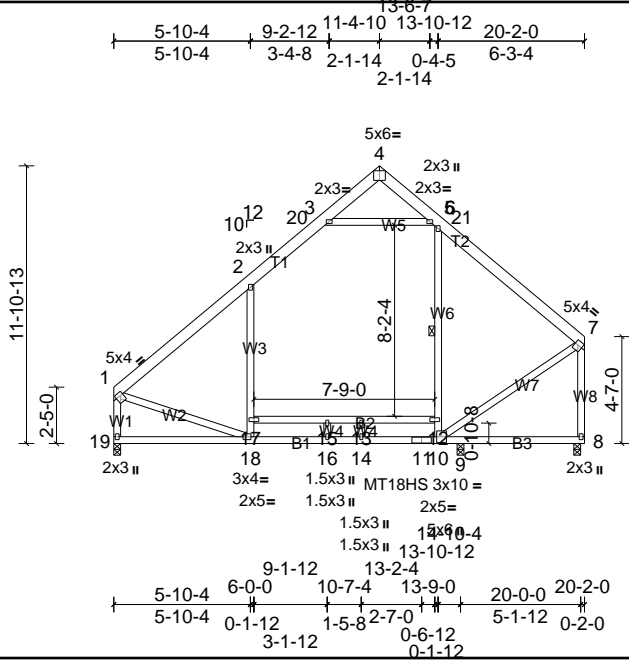


Plate Offsets (X, Y): [1:0-1-4,0-1-12], [4:0-3-0,Edge], [7:0-1-8,0-2-4]      0-11-8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.29	14-16	>603	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.41	14-16	>433	180	MT18HS	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH		Attic	-0.25	10-18	>384	360	Weight: 164 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-3-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1 *Except* B2:2x4 SP No.2, B3:2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W3,W6,W5:2x4 SP No.2	WEBS	1 Row at midpt      6-12, 12-17

REACTIONS	(lb/size)	8=1063/0-3-8, (min. 0-1-13), 9=255/0-3-8, (min. 0-1-8), 19=944/0-3-8, (min. 0-1-8)
Max Horiz	19=280 (LC 7)	
Max Uplift	8=278 (LC 10), 9=715 (LC 19), 19=95 (LC 10)	
Max Grav	8=1513 (LC 19), 9=295 (LC 10), 19=1211 (LC 19)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=1285/76, 2-20=1019/192, 3-20=913/198, 5-6=793/225, 6-21=1056/277, 7-21=1232/273, 1-19=1277/101, 7-8=1511/279
BOT CHORD	18-19=278/312, 16-18=160/939, 14-16=160/939, 11-14=160/939, 10-11=160/939
WEBS	2-17=49/287, 10-12=144/480, 6-12=108/520, 3-5=1157/348, 1-18=0/768, 7-10=174/1105

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 8-4-10, Exterior(2R) 8-4-10 to 14-4-10, Interior (1) 14-4-10 to 17-0-4, Exterior (2E) 17-0-4 to 20-0-4 zone; cantilever left and right exposed ; end vertical left exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are MT20 plates unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 15-17, 13-15, 12-13, 3-5
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 16-18, 14-16, 10-14
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 19, 278 lb uplift at joint 8 and 715 lb uplift at joint 9.
  - Attic room checked for L/360 deflection.



Job 72433235	Truss G1	Truss Type Truss	Qty 8	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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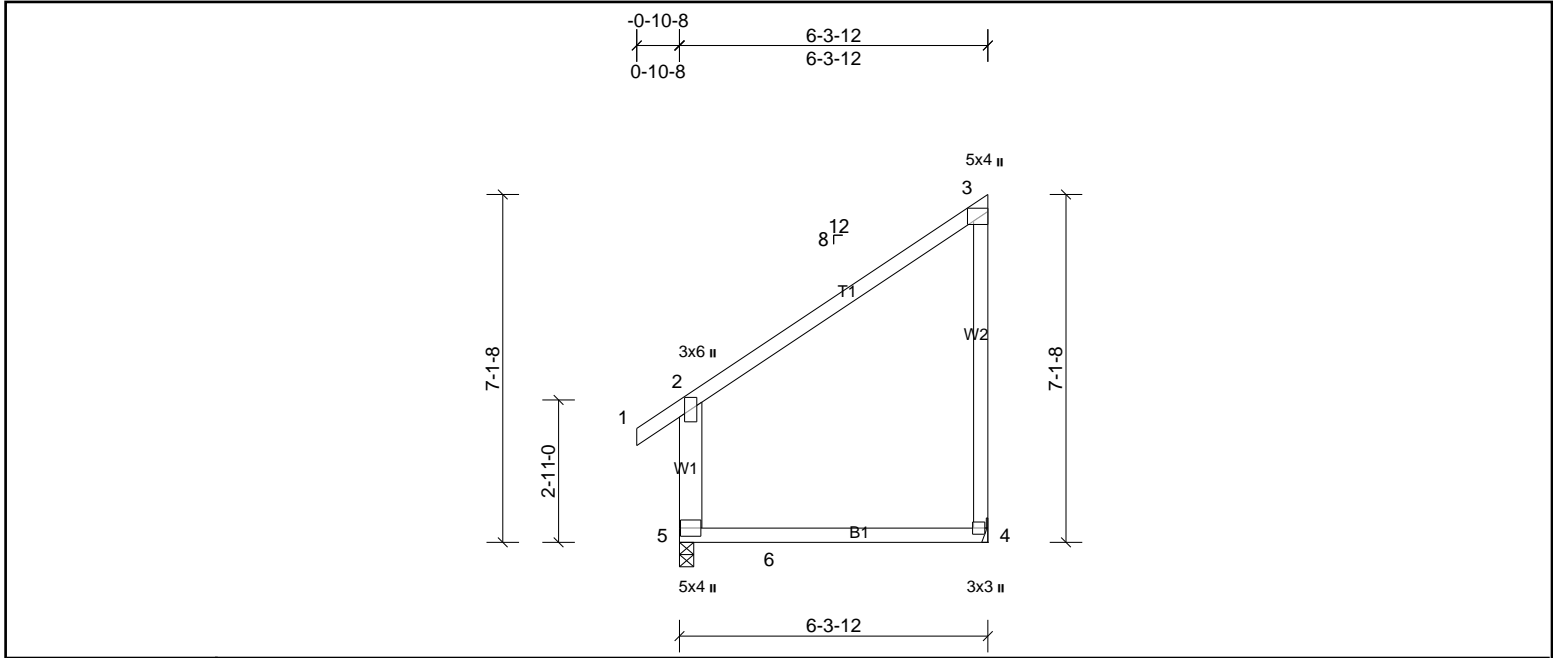


Plate Offsets (X, Y): [4:0-1-8,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.09	4-5	>793	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.14	4-5	>499	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 38 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W1:2x6 SP No.2		

REACTIONS	(lb/size)	4=231/ Mechanical, (min. 0-1-8), 5=310/0-3-8, (min. 0-1-8)
	Max Horiz	5=162 (LC 7)
	Max Uplift	4=175 (LC 10)
	Max Grav	4=370 (LC 18), 5=336 (LC 2)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	3-4=-261/255, 2-5=-263/105

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-2-0, Exterior(2E) 3-2-0 to 6-2-0 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 4.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss G1G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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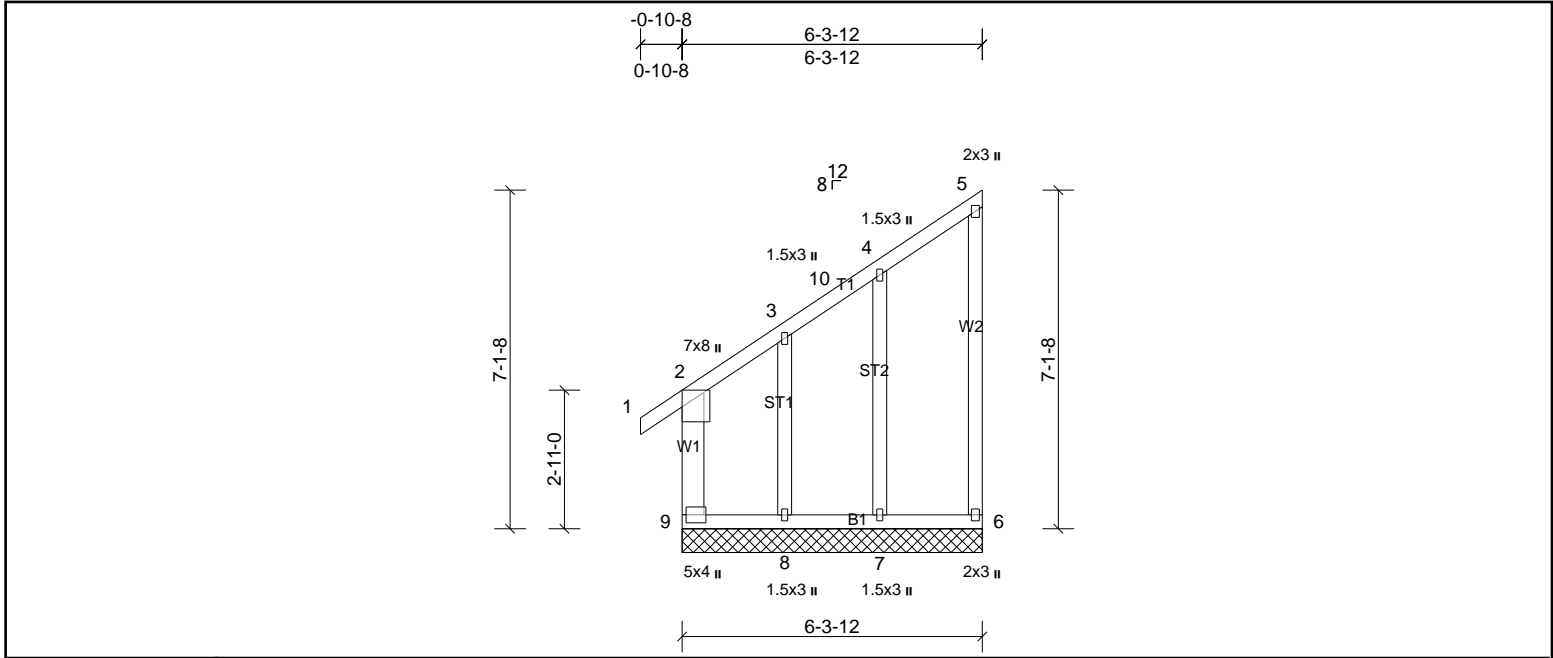


Plate Offsets (X, Y): [2:0-4-3,Edge], [9:0-2-0,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 51 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-7-11 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x6 SP No.2 *Except* W2:2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS	
	All bearings 6-3-12.
(lb) - Max Horiz	9=162 (LC 7)
Max Uplift	All uplift 100 (lb) or less at joint(s) 6 except 8=413 (LC 10), 9=118 (LC 8)
Max Grav	All reactions 250 (lb) or less at joint(s) 6, 7 except 8=336 (LC 8), 9=319 (LC 10)

FORCES	
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-9=-307/190, 2-3=-475/225
WEBS	3-8=-336/574

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-10-8 to 2-1-14, Exterior(2N) 2-1-14 to 3-2-0, Corner(3E) 3-2-0 to 6-2-0 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Truss designed for wind loads in the plane of the truss only.
  - 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 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 9=118, 8=412.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss G2	Truss Type Truss	Qty 2	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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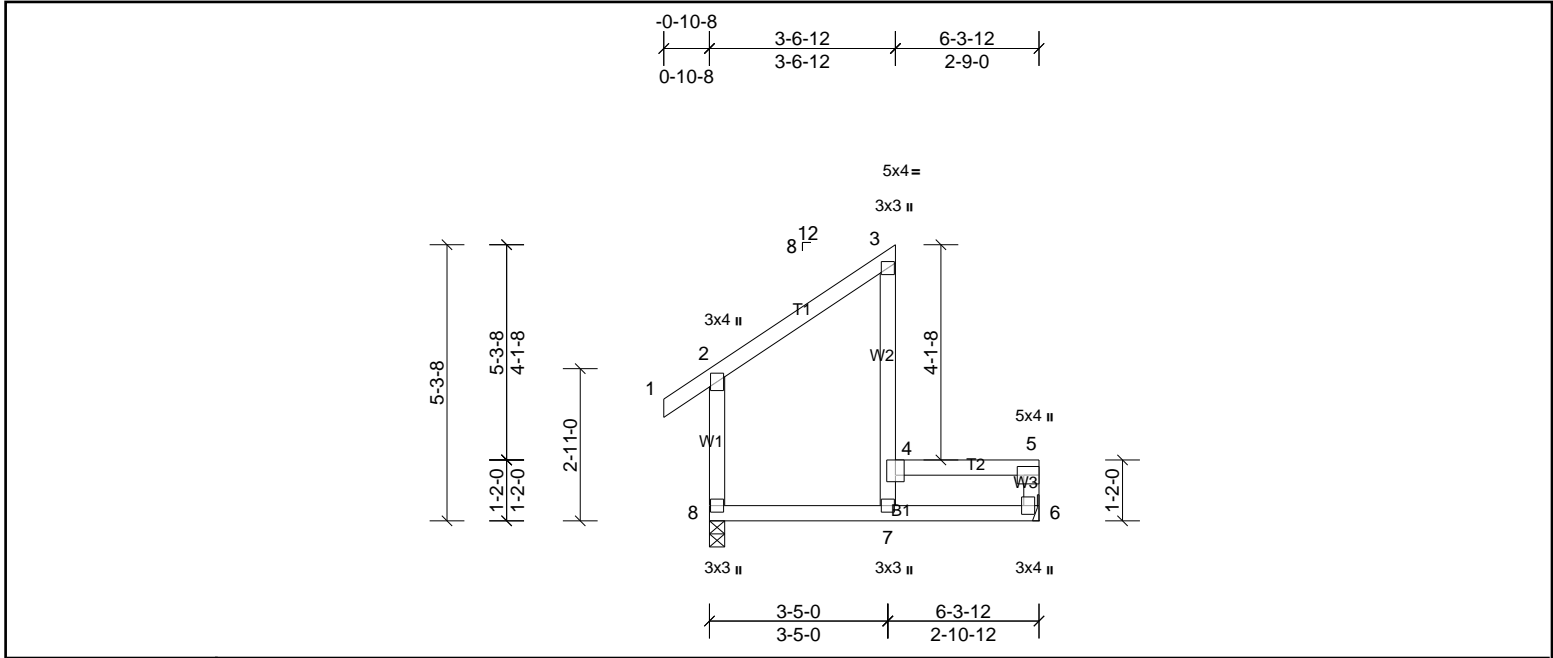


Plate Offsets (X, Y): [4:0-2-0,Edge], [5:Edge,0-3-8], [6:0-2-0,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.12	7-8	>589	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 33 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7, 4-5.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W2:2x4 SP No.2		

REACTIONS	(lb/size)	6=236/ Mechanical, (min. 0-1-8), 8=307/0-3-8, (min. 0-1-8)
	Max Horiz	8=236 (LC 10)
	Max Uplift	6=144 (LC 10)
	Max Grav	6=394 (LC 18), 8=307 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	4-5=-387/189, 5-6=-295/97
BOT CHORD	6-7=-189/387

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-10-8 to 6-2-0 zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 6.
  - Load case(s) 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)	Standard
1)	Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-60, 2-3=-60, 4-5=-60, 6-8=-20
2)	Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-50, 2-3=-50, 4-5=-110, 6-8=-20



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss G2L	Truss Type Truss	Qty 4	Ply 2	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Thu Oct 24 13:56:45

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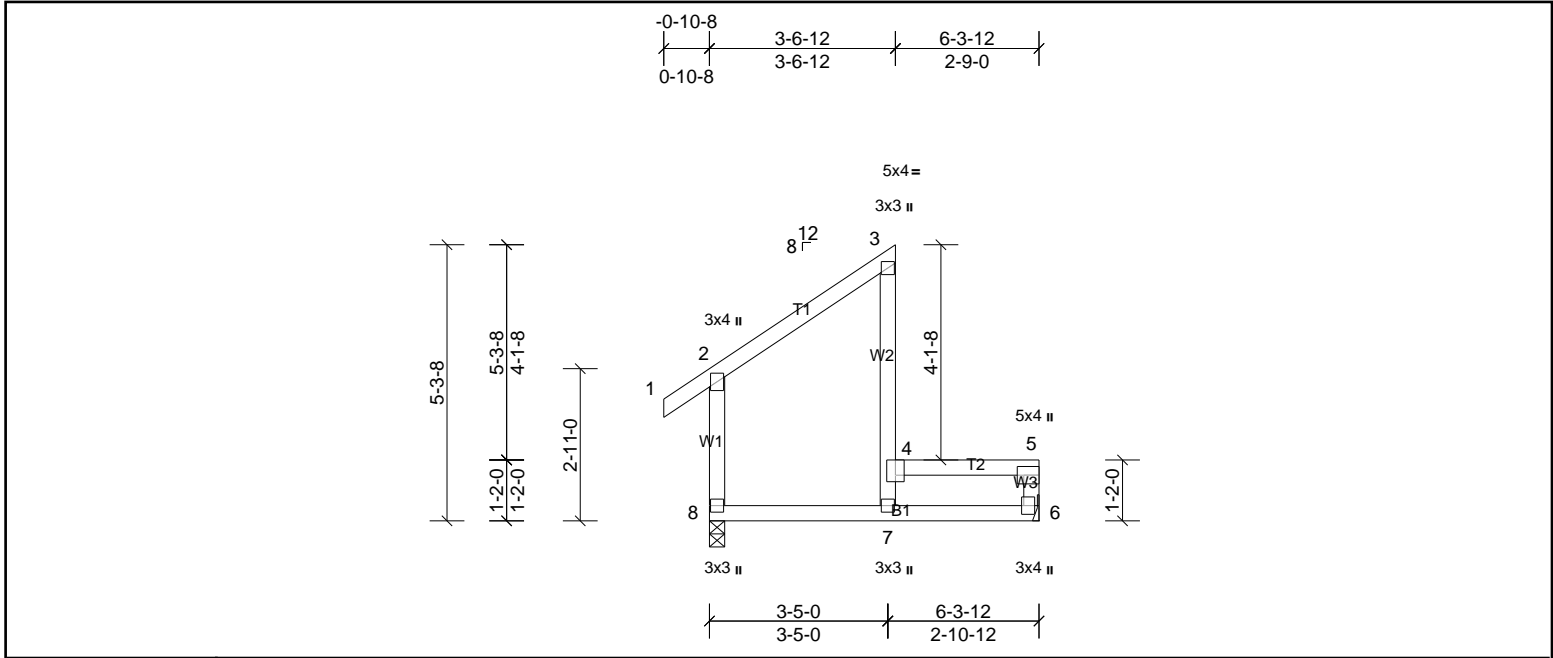


Plate Offsets (X, Y): [4:0-2-0,Edge], [5:Edge,0-3-8], [6:0-2-0,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.11	7-8	>655	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MR							Weight: 66 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7, 4-5.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W2:2x4 SP No.2		

REACTIONS	(lb/size)	6=618/ Mechanical, (min. 0-1-8), 8=420/0-3-8, (min. 0-1-8)
	Max Horiz	8=236 (LC 8)
	Max Grav	6=750 (LC 15), 8=420 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	4-7=-287/0, 4-5=-544/23, 5-6=-516/0
BOT CHORD	6-7=-23/544

- NOTES**
- 2-ply truss to be connected together as follows:  
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)	Standard
1)	Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-60, 2-3=-60, 4-5=-240, 6-8=-20
2)	Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-50, 2-3=-50, 4-5=-278, 6-8=-20



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job 72433235	Truss H1L	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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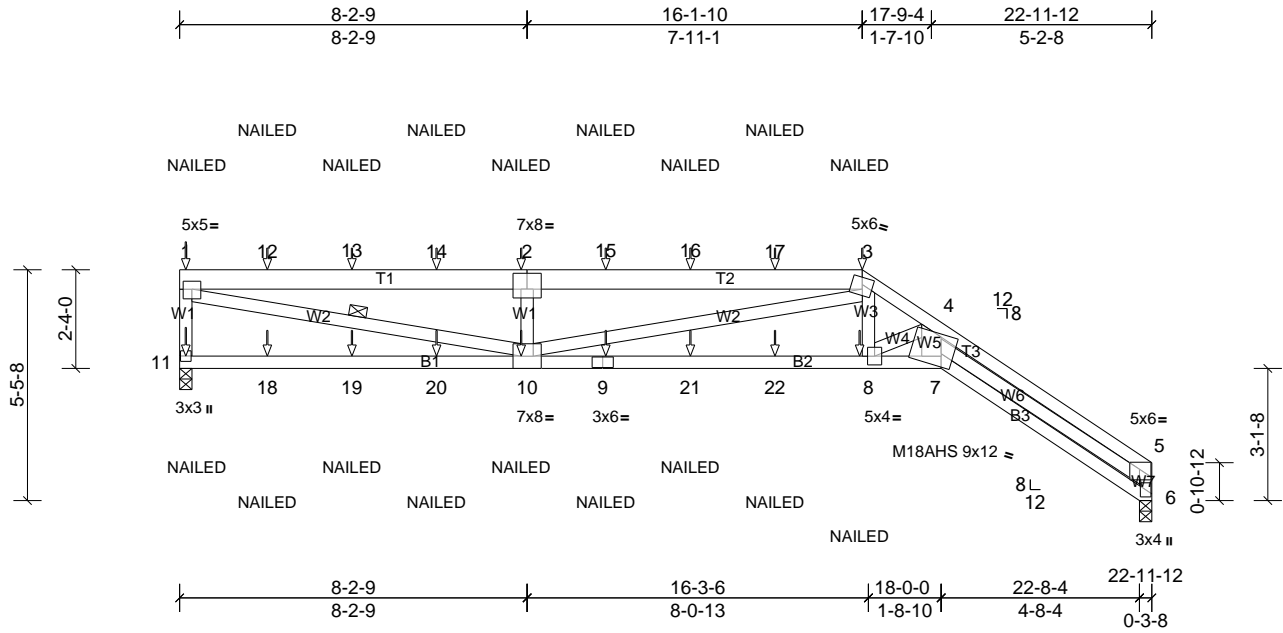


Plate Offsets (X, Y): [1:0-2-8,0-2-4], [2:0-4-0,0-4-8], [3:0-3-0,0-2-0], [5:0-3-4,Edge], [7:0-3-4,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	0.35	8-10	>789	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.63	8-10	>433	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.44	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH								
											Weight: 130 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T3:2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-10-9 max.): 1-3.
BOT CHORD	2x4 SP No.2 *Except* B2:2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 6-7-14 oc bracing.
WEBS	2x4 SP No.3 *Except* W5:2x6 SP No.2, W6:2x4 SP No.1, W2:2x4 SP No.2	WEBS	1 Row at midpt
REACTIONS	(lb/size) 6=919/0-3-8, (min. 0-1-8), 11=943/0-3-8, (min. 0-1-8) Max Horiz 11=-179 (LC 9) Max Uplift 6=-239 (LC 9), 11=-361 (LC 4)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-11=-848/366, 1-12=-2647/936, 12-13=-2647/936, 13-14=-2647/936, 2-14=-2647/936, 2-15=-2649/937, 15-16=-2647/937, 16-17=-2647/937, 3-17=-2647/937, 3-4=-2745/778, 4-5=-5078/1221, 5-6=-1091/329		
BOT CHORD	9-10=-567/2270, 9-21=-567/2270, 21-22=-567/2270, 8-22=-567/2270, 7-8=-887/3777, 6-7=-138/491		
WEBS	3-8=-230/1035, 4-8=-1636/467, 4-7=-433/2062, 5-7=-985/4161, 2-10=-533/329, 1-10=-926/2606, 3-10=-359/537		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - All plates are MT20 plates unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 11 and 239 lb uplift at joint 6.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 45 lb up at 0-1-12 on top chord, and 20 lb down and 12 lb up at 0-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (lb/ft)  
Vert: 1-3=-60, 3-5=-60, 7-11=-20, 6-7=-20  
Concentrated Loads (lb)  
Vert: 11=-10 (B), 1=-8 (B), 9=-4 (B), 8=-4 (B), 10=-4 (B), 18=-4 (B), 19=-4 (B), 20=-4 (B), 21=-4 (B), 22=-4 (B)



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H2L	Truss Type Truss	Qty 1	Ply 2	PBS/G FRCH CTRY RF Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

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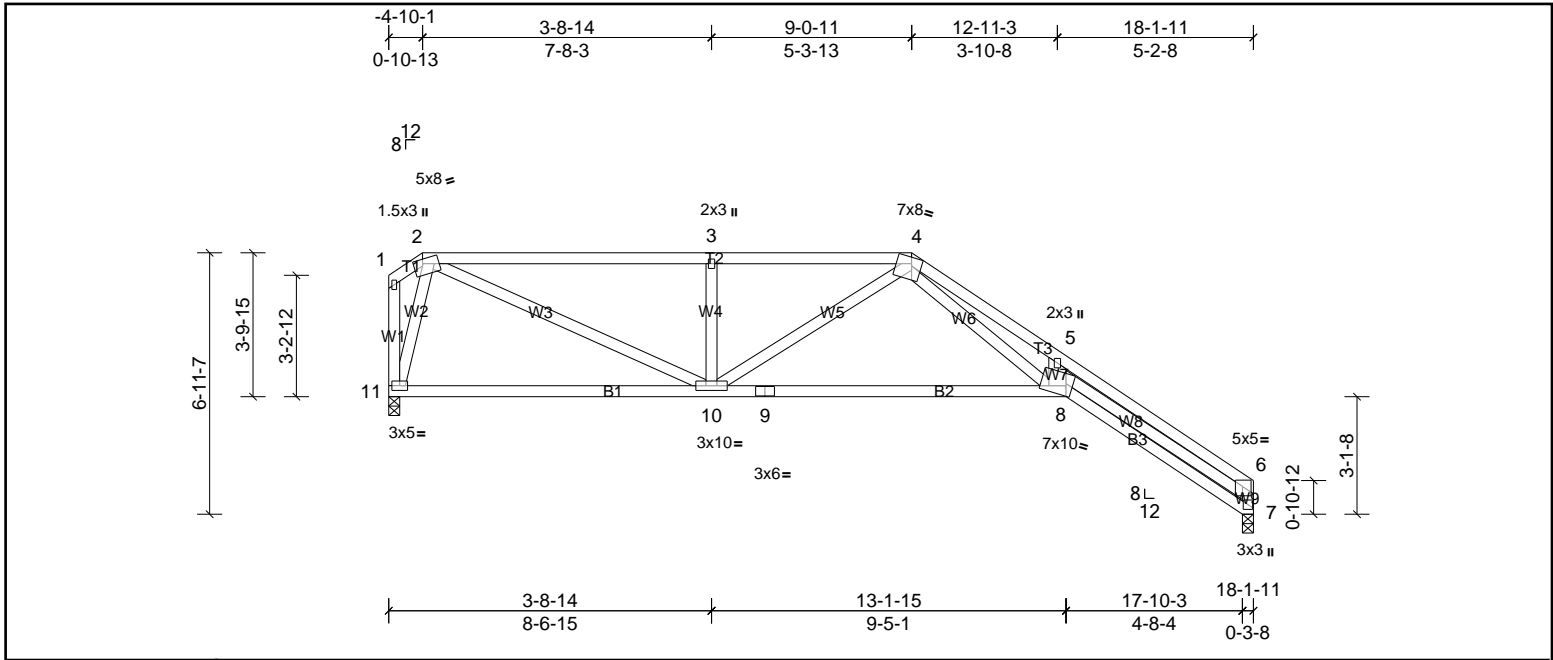


Plate Offsets (X, Y): [2:0-1-8,0-2-8], [4:0-3-4,0-2-0], [6:0-2-4,0-2-0], [8:0-2-0,0-3-4]

Loading	(psf)	Spacing	3-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.32	8-10	>862	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.74	8-10	>370	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.43	7	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 254 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T3:2x4 SP SS	TOP CHORD	2-0-0 oc purlins (4-3-10 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W7:2x6 SP No.2, W8,W6:2x4 SP No.2		

REACTIONS	(lb/size)	
	7=1361/0-3-8, (min. 0-1-8), 11=1361/0-3-8, (min. 0-1-8)	
	Max Horiz	11=-344 (LC 9)
	Max Uplift	7=-164 (LC 9), 11=-190 (LC 4)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2237/328, 3-4=-2237/328, 6-7=-1659/261, 4-5=-7418/809, 5-6=-7531/454
BOT CHORD	10-11=-105/437, 9-10=-92/2057, 8-9=-92/2057, 7-8=-137/768
WEBS	5-8=-341/426, 2-11=-1508/422, 6-8=-249/6123, 4-8=-657/5401, 2-10=-280/2086, 3-10=-665/331, 4-10=-181/411

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 7 and 190 lb uplift at joint 11.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job 72433235	Truss H3L	Truss Type Truss	Qty 1	Ply 2	PBS/G FRCH CTRY RF Job Reference (optional)
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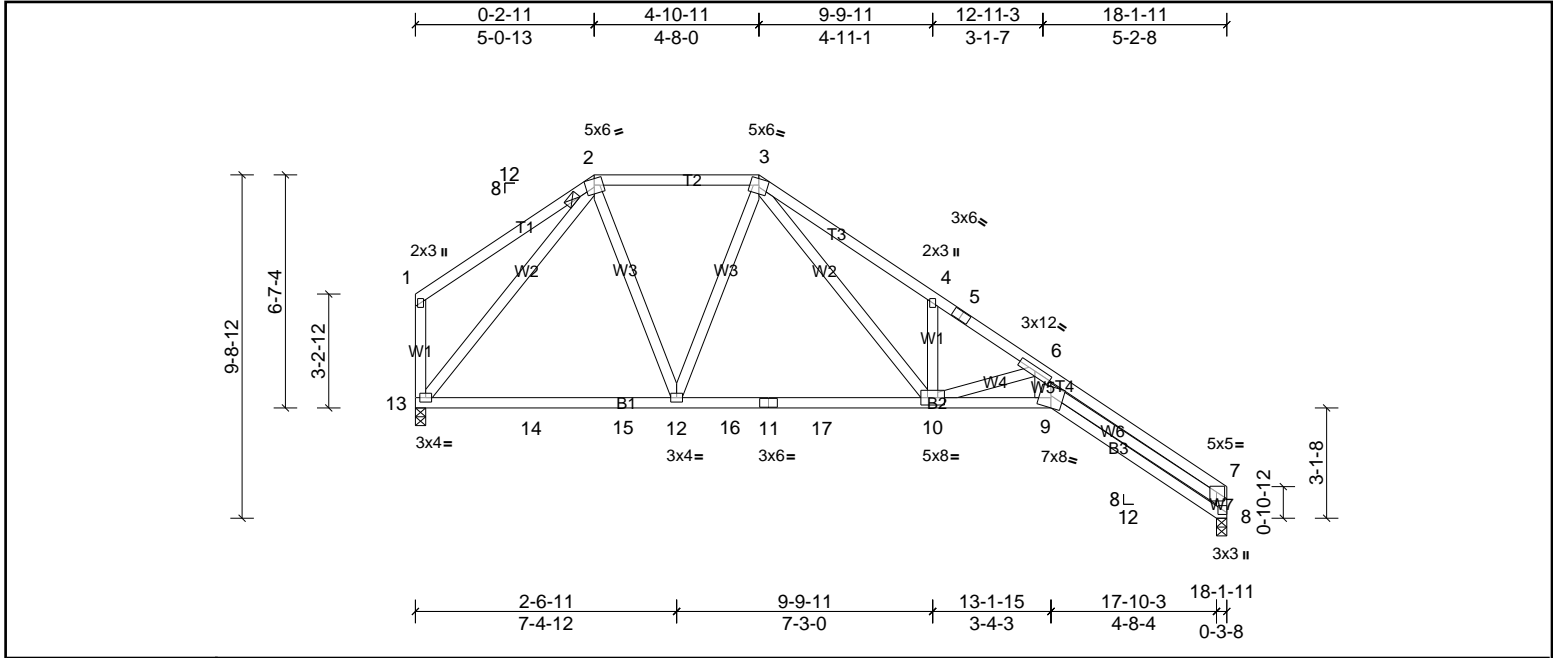


Plate Offsets (X, Y): [7:0-2-4,0-2-0], [9:0-4-0,0-3-6]

Loading	(psf)	Spacing	3-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.28	9-10	>976	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.51	9-10	>532		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.37	8	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH						Weight: 283 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2 *Except* T4:2x4 SP SS	TOP CHORD 2-0-0 oc purlins (4-2-9 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W5:2x6 SP No.2, W6:2x4 SP No.2	

REACTIONS	(lb/size)
Max Horiz	8=1361/0-3-8, (min. 0-1-8), 13=1361/0-3-8, (min. 0-1-8)
Max Uplift	8=204 (LC 9), 13=103 (LC 9)
Max Grav	8=1560 (LC 16), 13=1526 (LC 2)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1234/193, 3-4=-3501/555, 4-5=-3182/335, 5-6=-3299/306, 6-7=-8431/770, 7-8=-1832/315, 1-13=-295/180
BOT CHORD	13-14=-54/1029, 14-15=-54/1029, 12-15=-54/1029, 12-16=0/1341, 11-16=0/1341, 11-17=0/1341, 10-17=0/1341, 9-10=-466/5947, 8-9=-152/887
WEBS	6-9=-214/3715, 7-9=-458/6853, 2-13=-1420/101, 3-12=-442/203, 2-12=-48/929, 3-10=-440/2463, 4-10=-596/308, 6-10=-3394/482

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 8 and 103 lb uplift at joint 13.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job 72433235	Truss H4	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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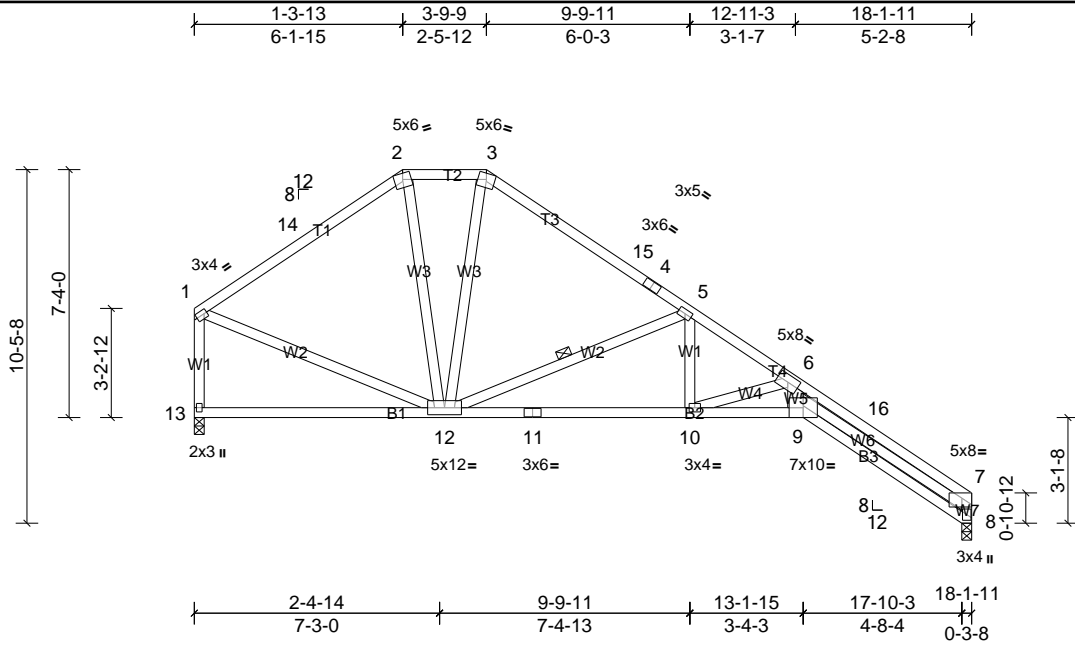


Plate Offsets (X, Y): [1:0-1-0,0-1-8], [7:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.30	9-10	>912	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.60	9-10	>457	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.43	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 143 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T4:2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD	2x4 SP No.2 *Except* B2:2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W5:2x6 SP No.2, W6:2x4 SP No.2	WEBS	1 Row at midpt
<b>REACTIONS</b>	(lb/size) 8=908/0-3-8, (min. 0-1-8), 13=908/0-3-8, (min. 0-1-8) Max Horiz 13=-291 (LC 11) Max Uplift 8=-140 (LC 11), 13=-84 (LC 11)		5-12
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-14=-868/134, 2-14=-785/154, 2-3=-704/179, 3-15=-780/156, 4-15=-825/128, 4-5=-873/119, 5-6=-2017/248, 6-16=-4930/524, 7-16=-5032/508, 7-8=-1114/216, 1-13=-862/151		
BOT CHORD	12-13=-169/285, 11-12=-34/1673, 10-11=-34/1673, 9-10=-317/3549, 8-9=-107/521		
WEBS	5-10=-21/717, 6-9=-146/2173, 1-12=-52/630, 7-9=-308/4079, 2-12=-32/250, 5-12=-1185/279, 6-10=-1978/295		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 4-11-13 to 7-11-13, Exterior(2R) 7-11-13 to 17-8-10, Interior (1) 17-8-10 to 24-8-1, Exterior(2E) 24-8-1 to 27-8-1 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 8 and 84 lb uplift at joint 13.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job 72433235	Truss H5	Truss Type Truss	Qty 2	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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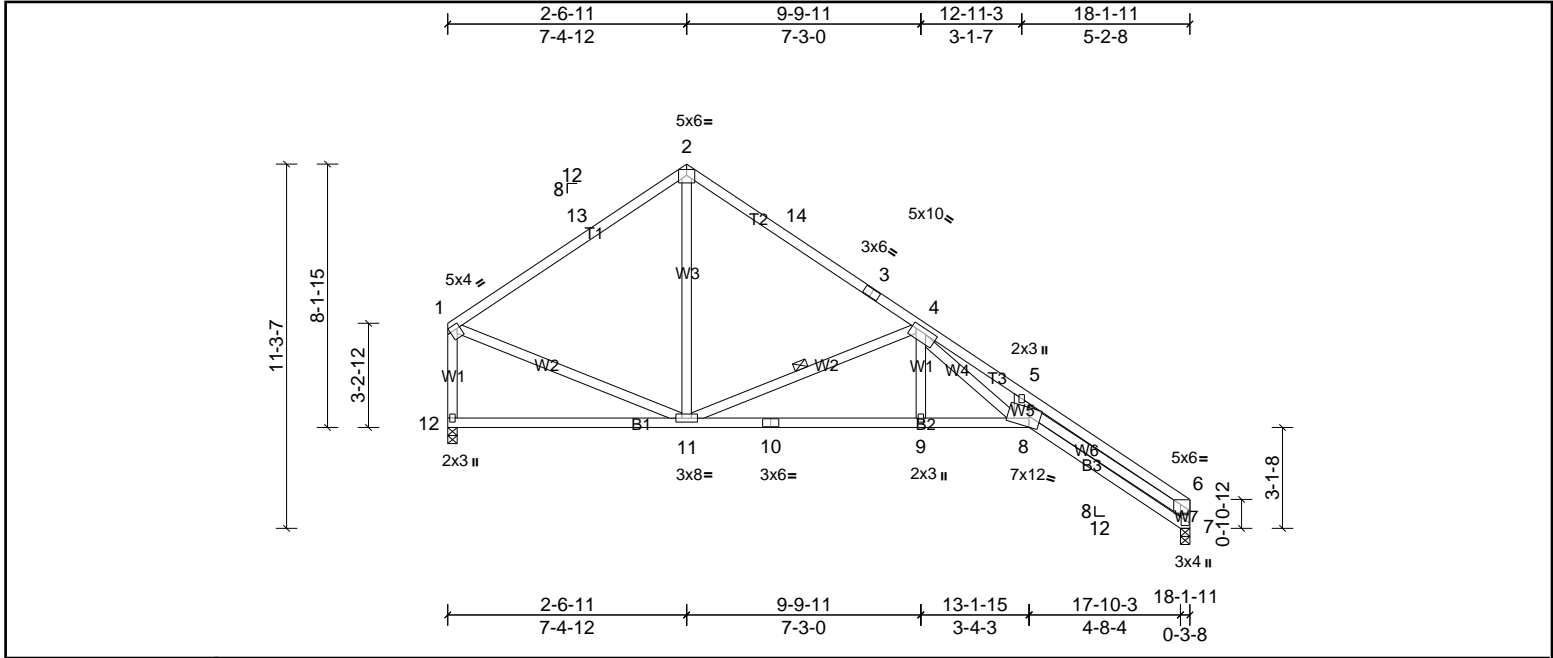


Plate Offsets (X, Y): [1:Edge,0-1-12], [4:0-4-2,0-1-12], [6:Edge,0-1-12], [8:0-4-0,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.35	8-9	>770	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.71	8	>385		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.50	7	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH						Weight: 136 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP SS	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W4,W6:2x4 SP No.2, W5:2x6 SP No.2	WEBS 1 Row at midpt 4-11

**REACTIONS** (lb/size) 7=908/0-3-8, (min. 0-1-8), 12=908/0-3-8, (min. 0-1-8)  
Max Horiz 12=-305 (LC 11)  
Max Uplift 7=-143 (LC 11), 12=-102 (LC 11)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-13=-905/141, 2-13=-787/167, 2-14=-802/163, 3-14=-811/142, 3-4=-920/120, 4-5=-4970/630, 5-6=-5121/500, 6-7=-1200/224, 1-12=-916/151  
BOT CHORD 11-12=-192/296, 10-11=-68/1776, 9-10=-68/1776, 8-9=-68/1776, 7-8=-117/590  
WEBS 4-8=-401/3153, 1-11=-63/606, 6-8=-276/4070, 2-11=-3/480, 4-11=-1335/331, 4-9=0/269

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 4-11-13 to 7-11-13, Interior (1) 7-11-13 to 9-2-14, Exterior(2R) 9-2-14 to 15-2-14, Interior (1) 15-2-14 to 24-8-2, Exterior(2E) 24-8-2 to 27-8-2 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 7 and 102 lb uplift at joint 12.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job 72433235	Truss H5H	Truss Type Truss	Qty 2	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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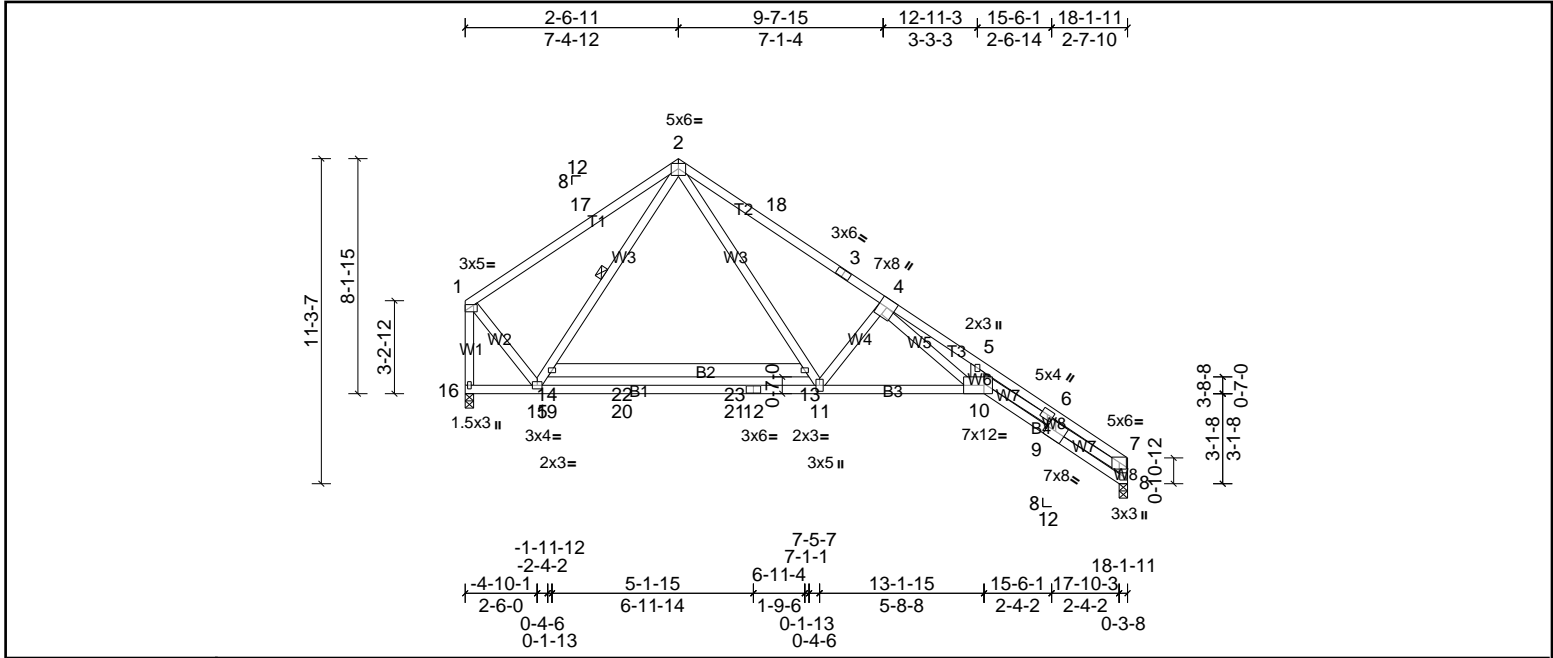


Plate Offsets (X, Y): [1:Edge,0-0-4], [10:0-8-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.39	11-15	>698	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.70	11-15	>388	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.50	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 158 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2 *Except* T3:2x4 SP SS	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.1 *Except* B1:2x4 SP No.2, B2:2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W3,W5,W7:2x4 SP No.2, W6:2x6 SP No.2	WEBS 1 Row at midpt 2-15

REACTIONS	(lb/size)
8=966/0-3-8, (min. 0-1-8), 16=1032/0-3-8, (min. 0-1-8)	
Max Horiz 16=-305 (LC 11)	
Max Uplift 8=-108 (LC 11), 16=-28 (LC 11)	
Max Grav 8=1182 (LC 19), 16=1290 (LC 19)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-17=-973/49, 2-17=-855/73, 2-18=-2194/169, 3-18=-2202/147, 3-4=-2312/125, 4-5=-6804/312, 5-6=-7024/257, 6-7=-4657/338, 7-8=-1336/128, 1-16=-1529/10
BOT CHORD	15-16=-207/286, 15-19=0/967, 19-20=0/967, 20-21=0/967, 12-21=0/967, 11-12=0/967, 10-11=0/2418, 9-10=-264/4197, 8-9=-28/293
WEBS	14-15=-537/77, 2-14=-322/136, 2-13=-95/1773, 11-13=-153/1530, 4-10=-170/4364, 6-10=0/2346, 6-9=-798/91, 7-9=-239/3793, 1-15=0/1029, 4-11=-1172/306

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 4-11-13 to 7-11-13, Interior (1) 7-11-13 to 9-2-14, Exterior(2R) 9-2-14 to 15-2-14, Interior (1) 15-2-14 to 24-8-2, Exterior(2E) 24-8-2 to 27-8-2 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 8 and 28 lb uplift at joint 16.
  - This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the , nonconcurrent with any other live loads.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





Job 72433235	Truss H5L	Truss Type Truss	Qty 2	Ply 2	PBS/G FRCH CTRY RF Job Reference (optional)
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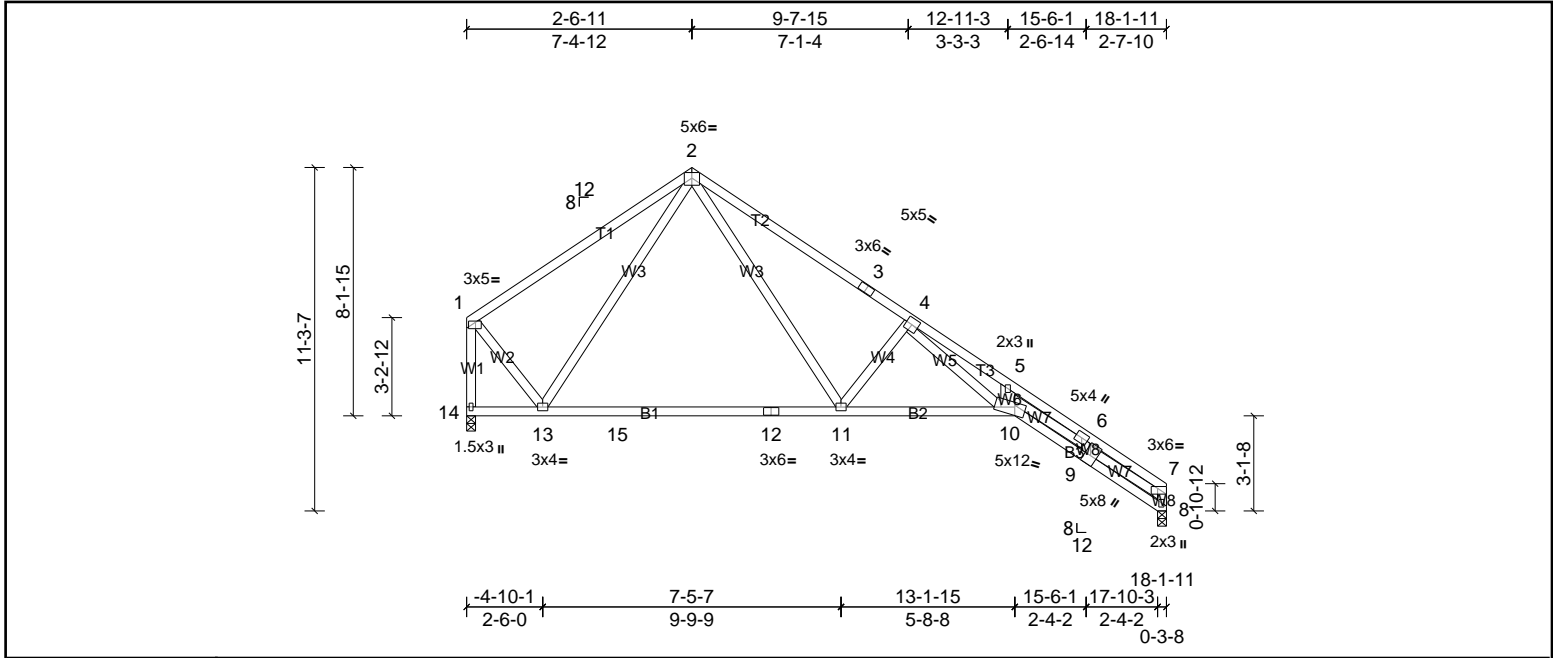


Plate Offsets (X, Y): [1:0-2-12,0-0-8], [7:Edge,0-0-12], [8:0-1-8,0-0-12], [10:0-4-4,0-3-4]

Loading	(psf)	Spacing	3-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.31	11-13	>876	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.55	11-13	>498	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.38	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 273 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (2-10-13 max.), except end verticals
BOT CHORD 2x4 SP No.2	(Switched from sheeted: Spacing > 2-0-0).
WEBS 2x4 SP No.3 *Except* W6:2x6 SP No.2, W5:2x4 SP No.2	Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS**

(lb/size)	8=1361/0-3-8, (min. 0-1-8), 14=1361/0-3-8, (min. 0-1-8)
Max Horiz	14=-457 (LC 9)
Max Uplift	8=-214 (LC 9), 14=-154 (LC 9)
Max Grav	8=1600 (LC 16), 14=1566 (LC 16)

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

TOP CHORD	1-2=-1072/156, 2-3=-2467/393, 3-4=-2634/328, 4-5=-8239/837, 5-6=-8485/751, 6-7=-5714/714, 7-8=-1638/247, 1-14=-1714/110
BOT CHORD	13-14=-312/429, 13-15=0/1084, 12-15=0/1084, 11-12=0/1084, 10-11=-106/2829, 9-10=-582/5161, 8-9=-51/358
WEBS	1-13=0/1252, 6-10=0/2765, 6-9=-963/175, 7-9=-531/4659, 2-13=-502/197, 2-11=-266/2066, 4-11=-1482/484, 4-10=-485/5421

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; TCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 8 and 154 lb uplift at joint 14.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H6	Truss Type Truss	Qty 5	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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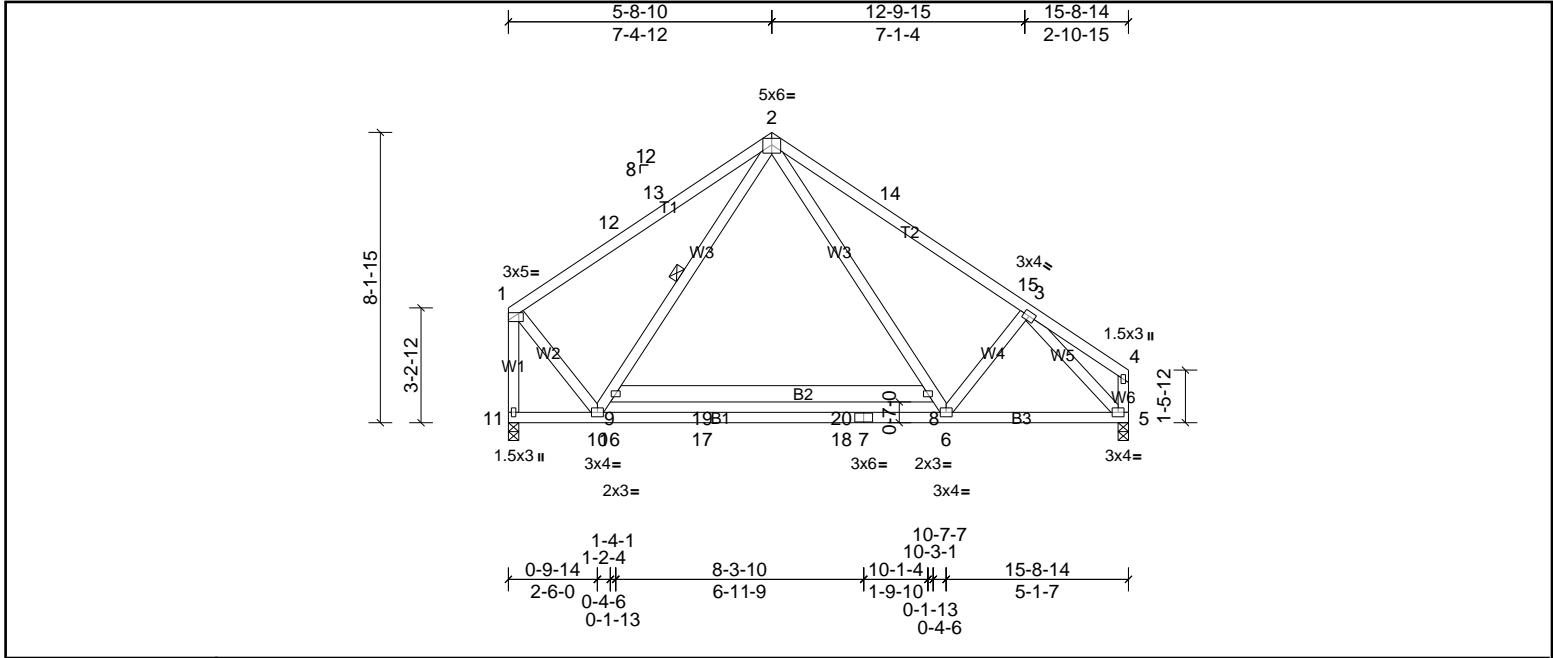


Plate Offsets (X, Y): [1:Edge,0-0-4]

Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	TC	0.81	Vert(LL)	-0.31	6-10	>656	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.51	6-10	>406	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 127 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except* B2:2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 2-10

REACTIONS	(lb/size)	
	5=762/0-3-8, (min. 0-1-8), 11=790/0-3-8, (min. 0-1-8)	
	Max Horiz 11=-165 (LC 6)	
	Max Uplift 5=-32 (LC 11), 11=-13 (LC 11)	
	Max Grav 5=944 (LC 19), 11=994 (LC 19)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-12=-776/40, 12-13=-679/45, 2-13=-659/69, 2-14=-1119/119, 14-15=-1226/97, 3-15=-1235/71, 1-11=-1214/3
BOT CHORD	10-16=0/656, 16-17=0/656, 17-18=0/656, 7-18=0/656, 6-7=0/656, 5-6=-50/898
WEBS	3-5=-1372/101, 9-10=-279/64, 1-10=0/794, 2-8=-43/667, 6-8=-104/445

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-9-14 to 4-9-14, Interior (1) 4-9-14 to 6-0-14, Exterior(2R) 6-0-14 to 12-0-14, Interior (1) 12-0-14 to 15-11-6, Exterior(2E) 15-11-6 to 18-11-6 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 11 and 32 lb uplift at joint 5.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H7	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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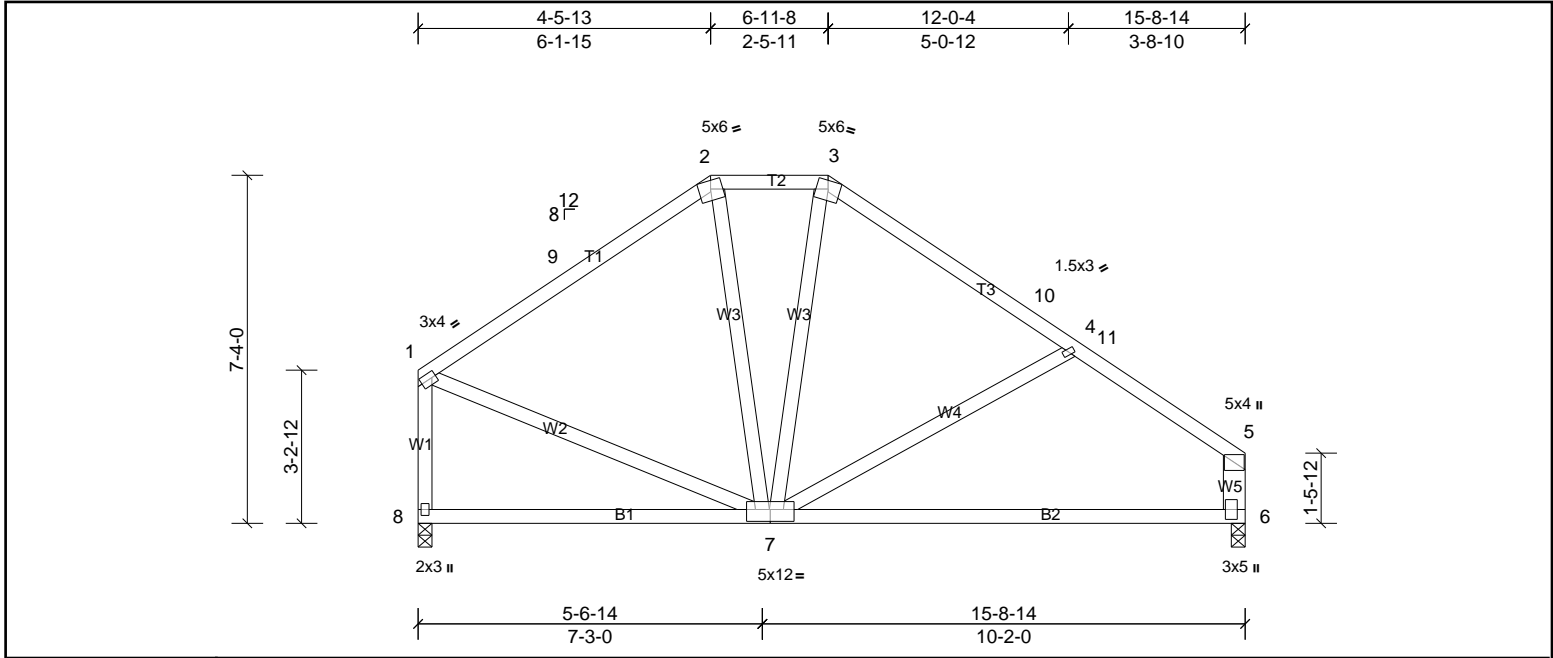


Plate Offsets (X, Y): [1:0-1-0,0-1-8], [6:0-2-8,0-0-8], [7:0-6-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.20	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.40	6-7	>518	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 105 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 2-3.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W5:2x6 SP No.2		

**REACTIONS**

(lb/size)	6=682/0-3-8, (min. 0-1-8), 8=682/0-3-8, (min. 0-1-8)
Max Horiz	8=-143 (LC 6)
Max Uplift	6=-73 (LC 11), 8=-62 (LC 10)

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

TOP CHORD	1-9=-614/119, 2-9=-530/139, 2-3=-469/165, 3-10=-530/141, 4-10=-576/112, 4-11=-652/163, 5-11=-735/143, 1-8=-632/137, 5-6=-582/135
BOT CHORD	6-7=-79/496
WEBS	1-7=-17/404

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-9-14 to 4-9-14, Exterior(2R) 4-9-14 to 14-6-11, Interior (1) 14-6-11 to 15-10-6, Exterior(2E) 15-10-6 to 18-10-6 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 8 and 73 lb uplift at joint 6.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H8	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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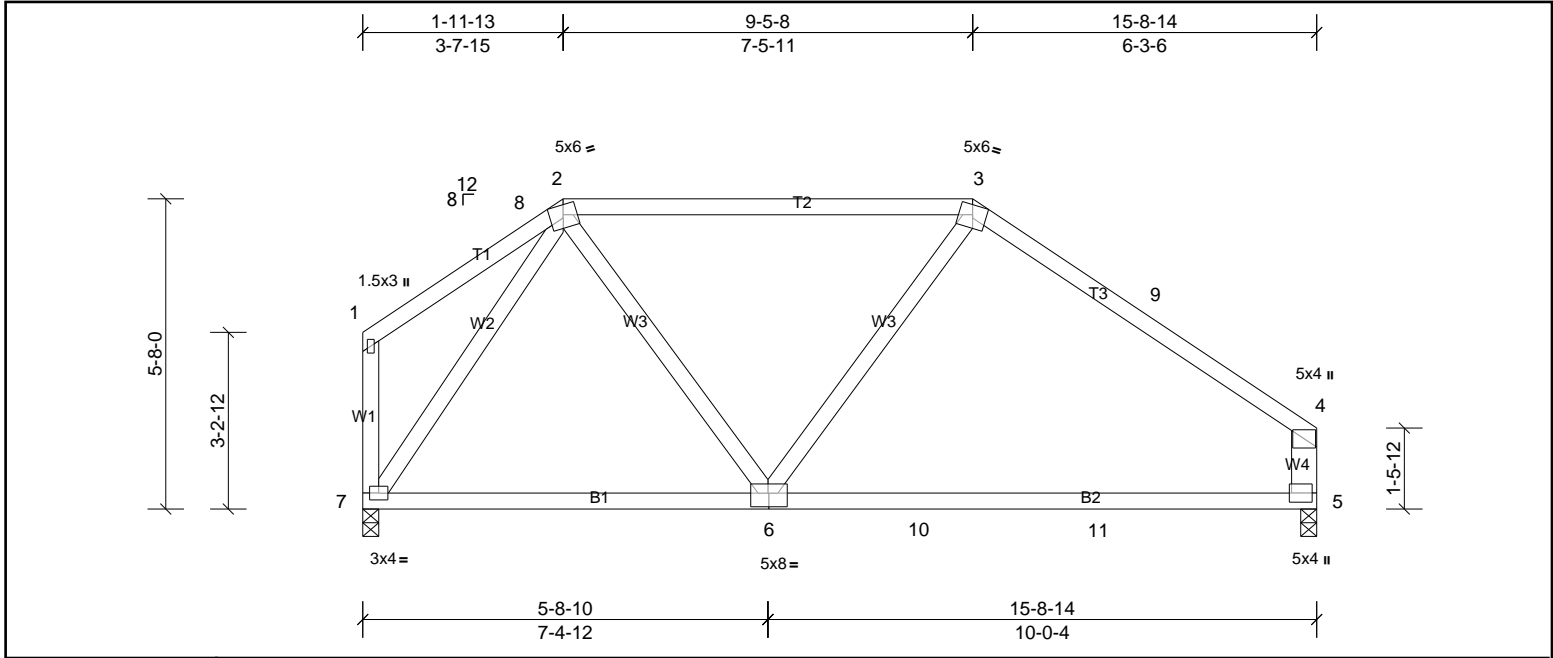


Plate Offsets (X, Y): [5:0-2-0,0-0-8], [6:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.34	5-6	>610	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.52	5-6	>393	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 90 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T2:2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 5-2-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-7 max.): 2-3.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W4:2x6 SP No.2		
REACTIONS			
(lb/size)	5=682/0-3-8, (min. 0-1-8), 7=682/0-3-8, (min. 0-1-8)		
Max Horiz	7=-110 (LC 11)		
Max Uplift	5=-59 (LC 11), 7=-41 (LC 10)		
Max Grav	5=758 (LC 2), 7=740 (LC 2)		
FORCES			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-3=-671/123, 3-9=-744/159, 4-9=-849/139, 4-5=-646/146		
BOT CHORD	6-7=-87/424, 6-10=-45/589, 10-11=-45/589, 5-11=-45/589		
WEBS	2-6=0/366, 2-7=-769/115		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-9-14 to 4-9-14, Exterior(2R) 4-9-14 to 15-10-6, Exterior(2E) 15-10-6 to 18-10-6 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 5 and 41 lb uplift at joint 7.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H9	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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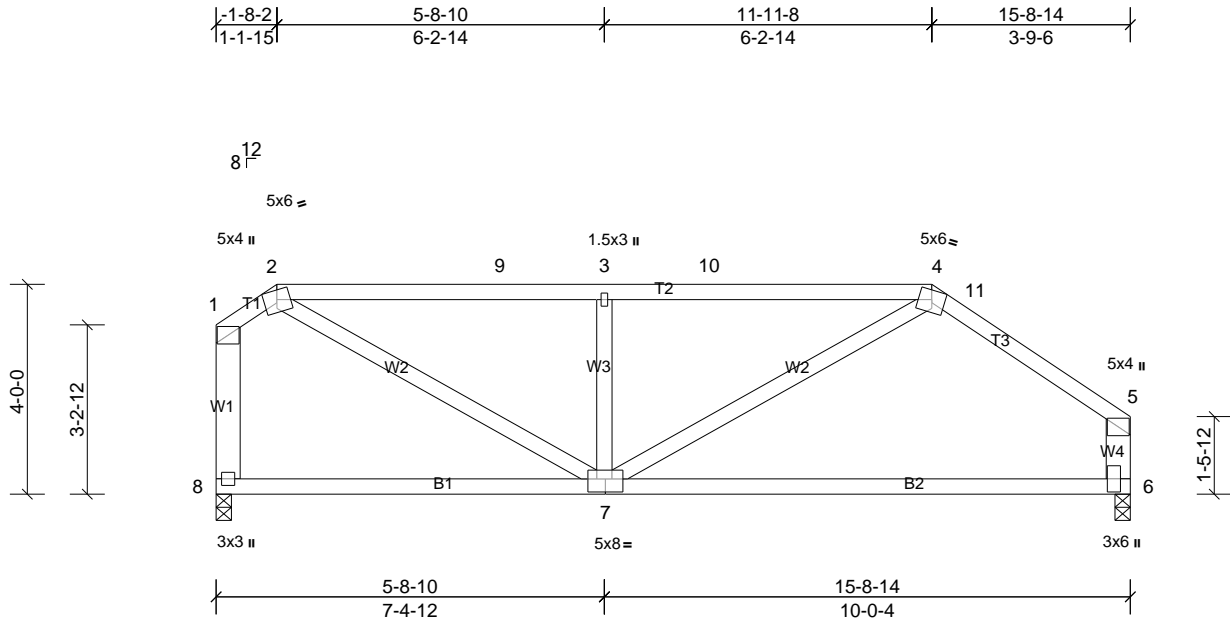


Plate Offsets (X, Y): [6:0-3-0,0-0-4], [7:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.22	6-7	>943	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.44	6-7	>467	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 89 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins, except end
BOT CHORD 2x4 SP No.2	verticals, and 2-0-0 oc purlins (5-4-10 max.): 2-4.
WEBS 2x4 SP No.3 *Except* W1,W4:2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS**

(lb/size)	6=678/0-3-8, (min. 0-1-8), 8=678/0-3-8, (min. 0-1-8)
Max Horiz	8=82 (LC 11)
Max Uplift	6=74 (LC 6), 8=103 (LC 7)

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

TOP CHORD	1-2=-490/109, 2-9=-886/158, 3-9=-886/158, 3-10=-883/157, 4-10=-883/157, 4-11=-641/156, 5-11=-730/135, 1-8=-620/129, 5-6=-574/130
BOT CHORD	6-7=-78/493
WEBS	3-7=-490/221, 4-7=-77/454, 2-7=-143/830

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 1-10-14 to 2-10-0, Exterior(2R) 2-10-0 to 7-0-15, Interior (1) 7-0-15 to 11-0-13, Exterior(2R) 11-0-13 to 15-10-6, Exterior(2E) 15-10-6 to 18-10-6 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 8 and 74 lb uplift at joint 6.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss H10L	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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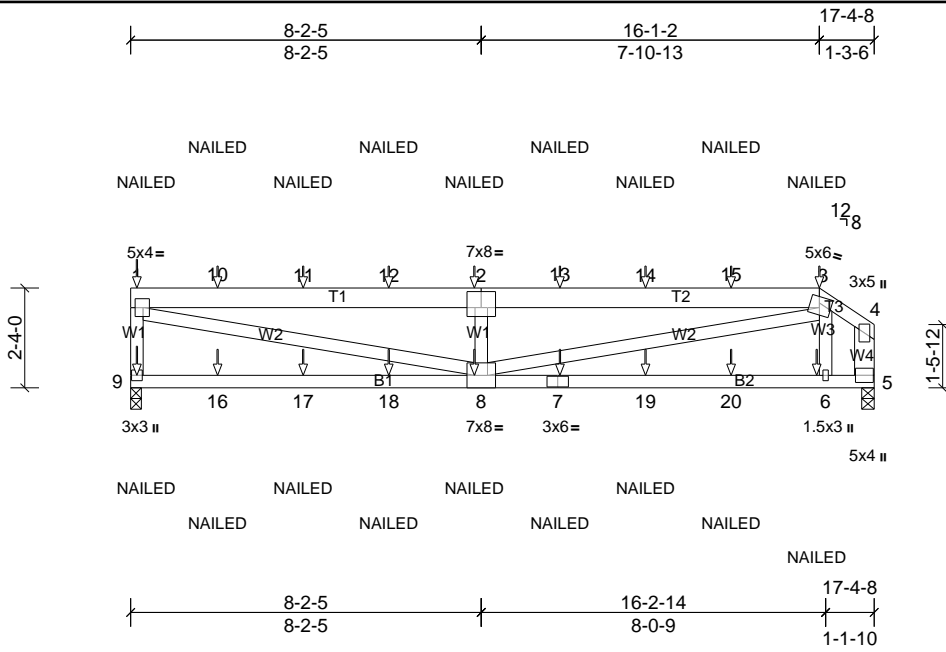


Plate Offsets (X, Y): [1:0-1-12,0-2-8], [2:0-4-0,0-4-8], [3:0-2-8,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.14	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.25	8-9	>825	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 99 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T3:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-0 max.): 1-3.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W4:2x6 SP No.2		
REACTIONS		(lb/size)	5=696/0-3-8, (min. 0-1-8), 9=713/0-3-0, (min. 0-1-8)
	Max Horiz	9=27 (LC 9)	
	Max Uplift	5=261 (LC 4), 9=299 (LC 4)	
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		1-9=-622/305, 1-10=-1724/685, 10-11=-1724/685, 11-12=-1724/685, 2-12=-1724/685, 2-13=-1726/687, 13-14=-1724/687, 14-15=-1724/687, 3-15=-1723/687, 3-4=-551/178, 4-5=-433/118	
BOT CHORD		7-8=-141/385, 7-19=-141/385, 19-20=-141/385, 6-20=-141/385, 5-6=-129/374	
WEBS		2-8=-548/333, 1-8=-673/1671, 3-8=-558/1384	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 299 lb uplift at joint 9 and 261 lb uplift at joint 5.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
  - 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-4=-60, 5-9=-20

Concentrated Loads (lb)

Vert: 9=-10 (F), 1=-9 (F), 7=-4 (F), 6=-4 (F), 8=-4 (F), 16=-4 (F), 17=-4 (F), 18=-4 (F), 19=-4 (F), 20=-4 (F)



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.





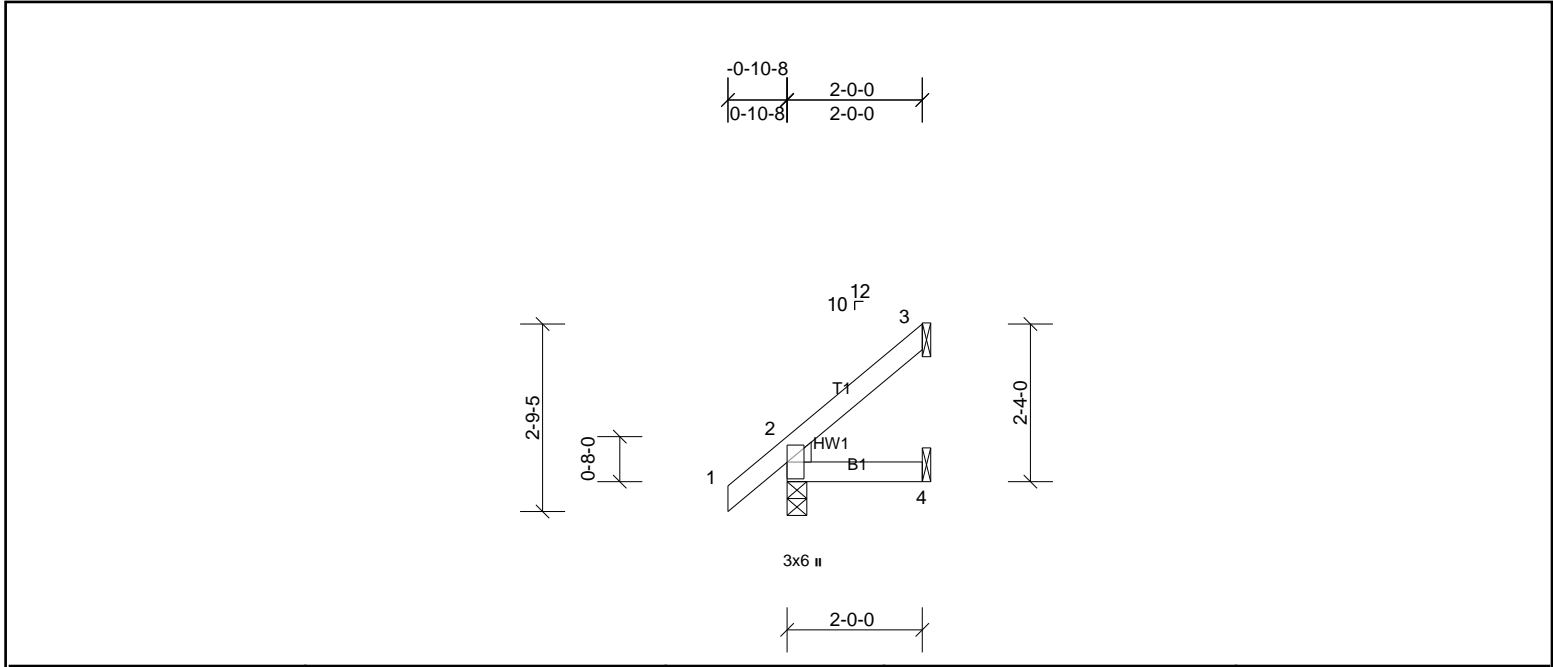
Job 72433235	Truss HJ	Truss Type Truss	Qty 18	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 9 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE Left: 2x4 SP No.2	

REACTIONS	(lb/size)	2=144/0-3-8, (min. 0-1-8), 3=46/ Mechanical, (min. 0-1-8), 4=22/ Mechanical, (min. 0-1-8)
Max Horiz	2=92 (LC 10)	
Max Uplift	2=-2 (LC 10), 3=-46 (LC 10), 4=-5 (LC 10)	
Max Grav	2=144 (LC 1), 3=54 (LC 18), 4=35 (LC 3)	

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

- NOTES**
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 3, 2 lb uplift at joint 2 and 5 lb uplift at joint 4.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



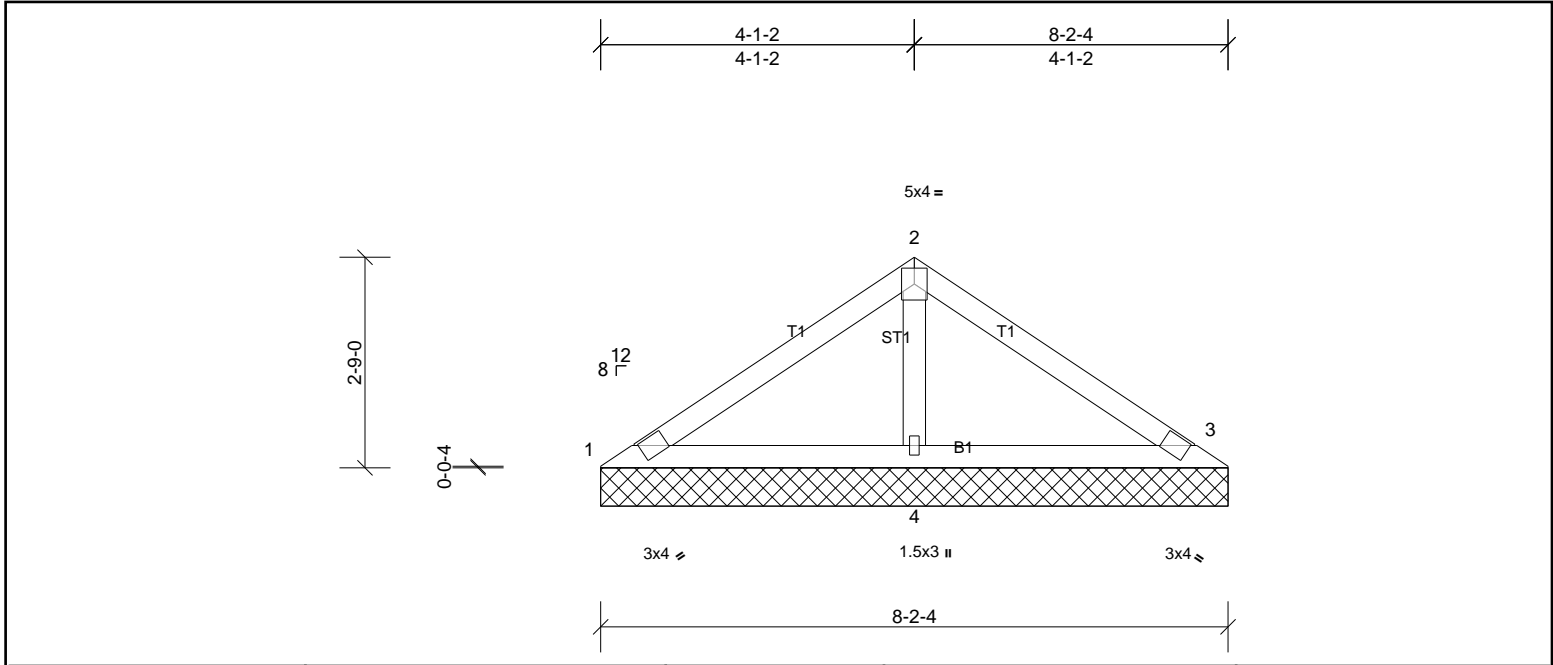
Job 72433235	Truss V1	Truss Type Truss	Qty 2	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 28 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 8-2-4 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS	(lb/size)	1=88/8-2-4, (min. 0-1-8), 3=61/8-2-4, (min. 0-1-8), 4=470/8-2-4, (min. 0-1-8)
Max Horiz	1=66 (LC 7)	
Max Uplift	1=12 (LC 11), 3=31 (LC 6), 4=91 (LC 10)	
Max Grav	1=88 (LC 1), 3=107 (LC 25), 4=470 (LC 1)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-4=-383/167

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-6 to 3-0-6, Exterior(2R) 3-0-6 to 4-9-4, Exterior(2E) 4-9-4 to 7-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Truss designed for wind loads in the plane of the truss only.
  - 4) Gable requires continuous bottom chord bearing.
  - 5) Gable studs spaced at 4-0-0 oc.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 31 lb uplift at joint 3 and 91 lb uplift at joint 4.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job 72433235	Truss V2	Truss Type Truss	Qty 2	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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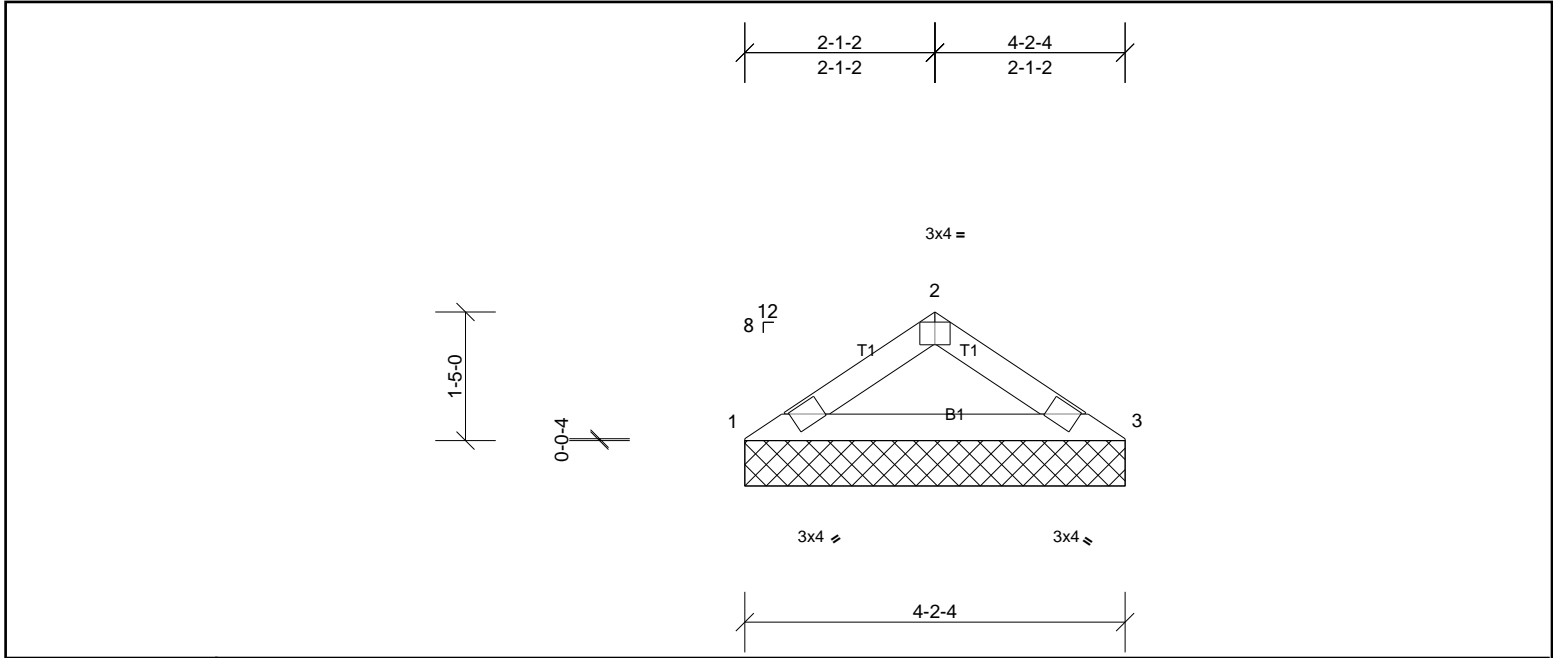


Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

**LUMBER**  
 TOP CHORD 2x4 SP No.2  
 BOT CHORD 2x4 SP No.2

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-2-4 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS**  
 (lb/size) 1=168/4-2-4, (min. 0-1-8), 3=168/4-2-4, (min. 0-1-8)  
 Max Horiz 1=32 (LC 6)  
 Max Uplift 1=22 (LC 10), 3=22 (LC 11)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-299/122

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Gable requires continuous bottom chord bearing.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 22 lb uplift at joint 3.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



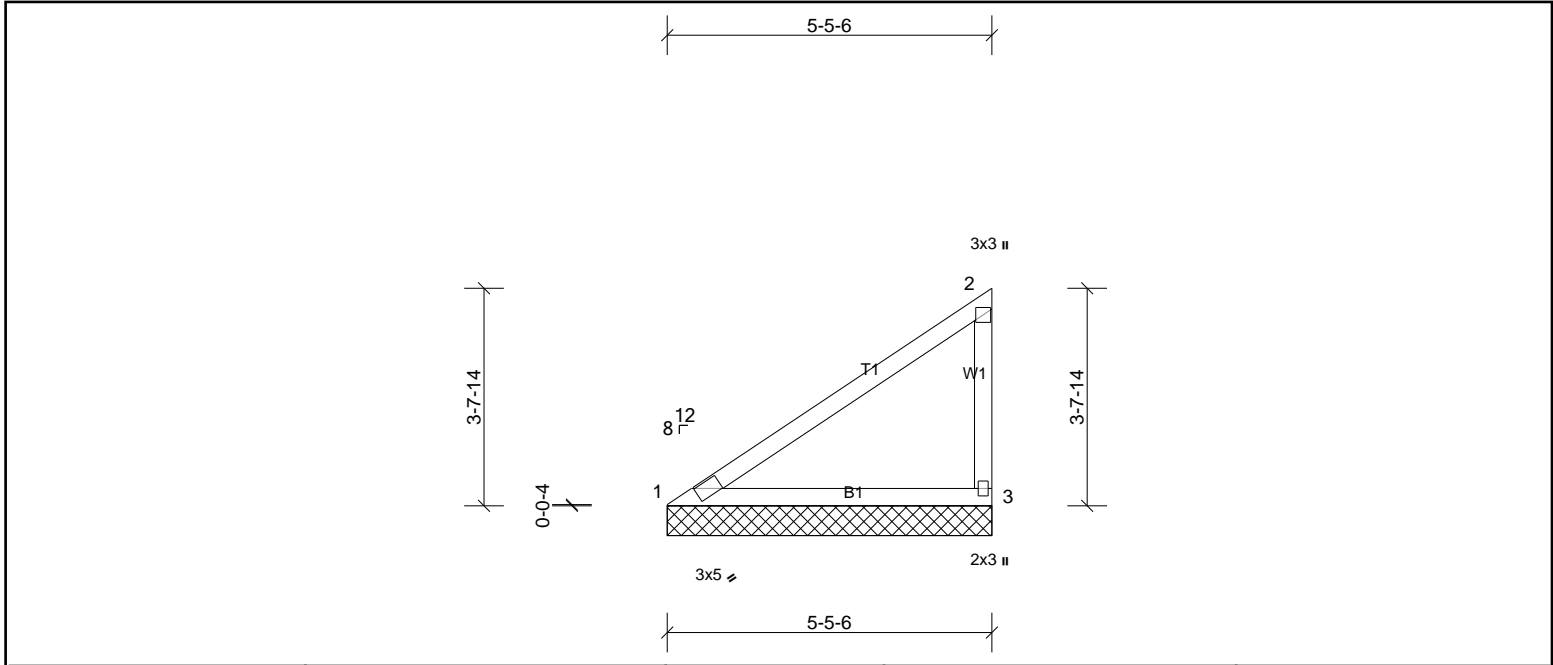
Job 72433235	Truss V3G	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 22 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-5-6 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS	(lb/size)	1=212/5-5-6, (min. 0-1-8), 3=212/5-5-6, (min. 0-1-8)
	Max Horiz	1=137 (LC 10)
	Max Uplift	3=87 (LC 10)
	Max Grav	1=212 (LC 1), 3=226 (LC 18)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-302/56
BOT CHORD	1-3=-181/313

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



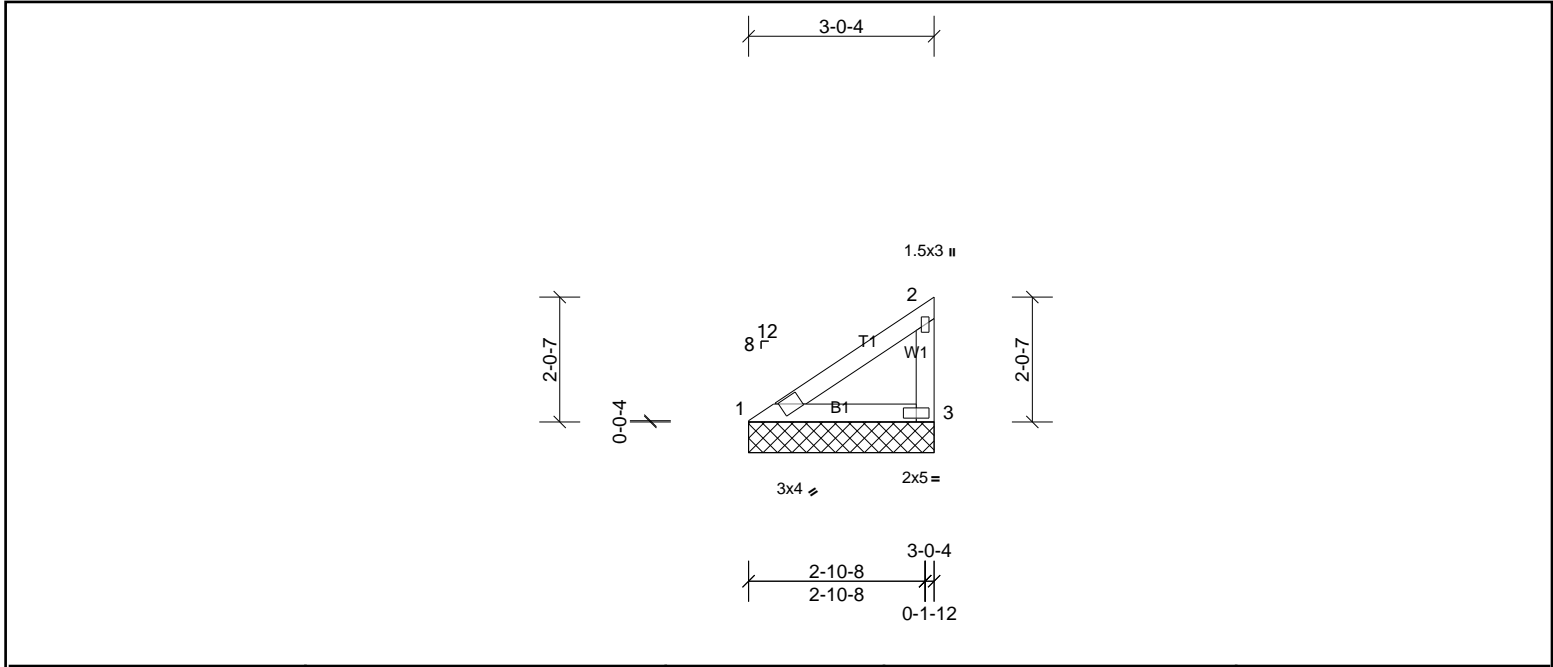
Job 72433235	Truss V4	Truss Type Truss	Qty 1	Ply 1	PBS/G FRCH CTRY RF Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-4 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS	(lb/size)	1=115/3-0-4, (min. 0-1-8), 3=115/3-0-4, (min. 0-1-8)
Max Horiz	1=71 (LC 10)	
Max Uplift	1=2 (LC 10), 3=-45 (LC 10)	
Max Grav	1=115 (LC 1), 3=122 (LC 18)	

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
  - Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 1 and 45 lb uplift at joint 3.
  - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



This design is based 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 the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

