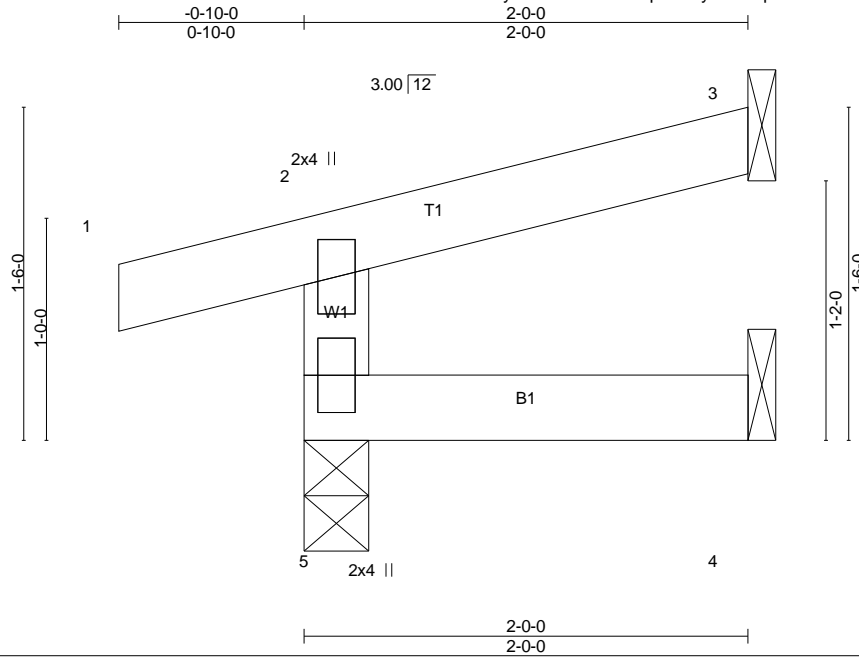


Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	J01	Jack-Open	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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 ID:b2HFyDNCeOE2czSBRpPKRtye?6E-qKwuAcoSvo16fdm8?rwVhxRPKiXJy6a_?Dq7vuzQpnn



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	Vert(LL) 0.00	5	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.03	Vert(CT) -0.00	4-5	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-R						
	Code IRC2018/TPI2014						Weight: 8 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.

BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

5 =	148/0-3-8 (min. 0-1-8)
3 =	42/Mechanical
4 =	16/Mechanical
Max Horz	
5 =	29(LC 11)
Max Uplift	
5 =	-51(LC 10)
3 =	-23(LC 14)
Max Grav	
5 =	187(LC 21)
3 =	54(LC 21)
4 =	34(LC 7)

FORCES. (lb)

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

NOTES- (10-11)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; 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

- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 5 and 23 lb uplift at joint 3.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

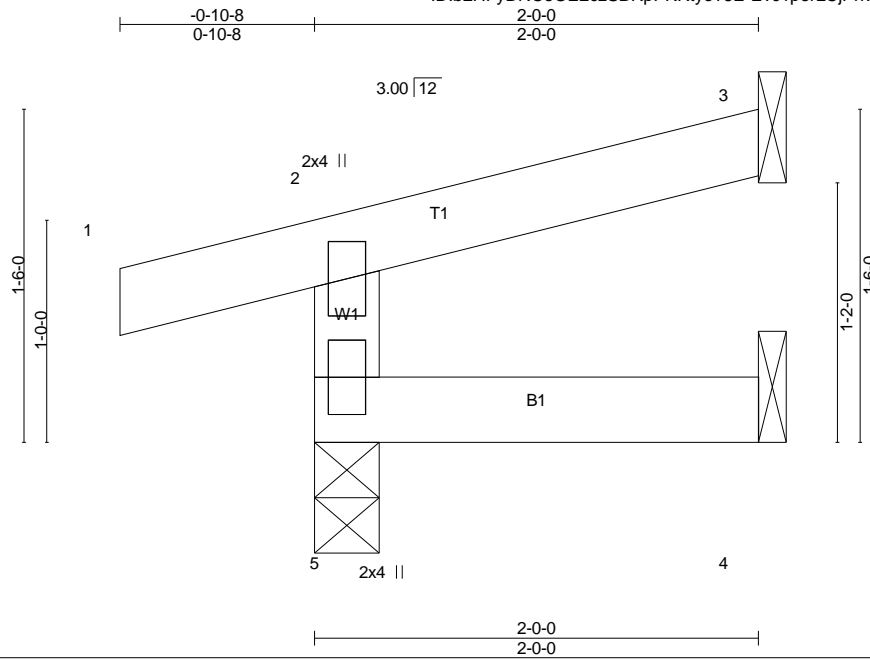
LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	J02	Jack-Open	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

ID:b2HFyDNCeOE2czSBRpPKRtye?6E-Evc1perLCjPhW5UjgzTCJZ3wQwZm9TJQiB2nVDzQpnk
8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:03 2022 Page 1



Scale = 1:10.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	Vert(LL) 0.00	5	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.05	Vert(CT) -0.00	4-5	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-R						
	Code IRC2018/TPI2014							
							Weight: 8 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.

BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

5 = 152/0-3-8 (min. 0-1-8)

3 = 41/Mechanical

4 = 16/Mechanical

Max Horiz

5 = 29(LC 11)

Max Uplift

5 = -69(LC 10)

3 = -23(LC 14)

4 = -11(LC 11)

Max Grav

5 = 192(LC 21)

3 = 53(LC 21)

4 = 34(LC 7)

FORCES. (lb)

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

NOTES- (10-11)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

LOAD CASE(S)

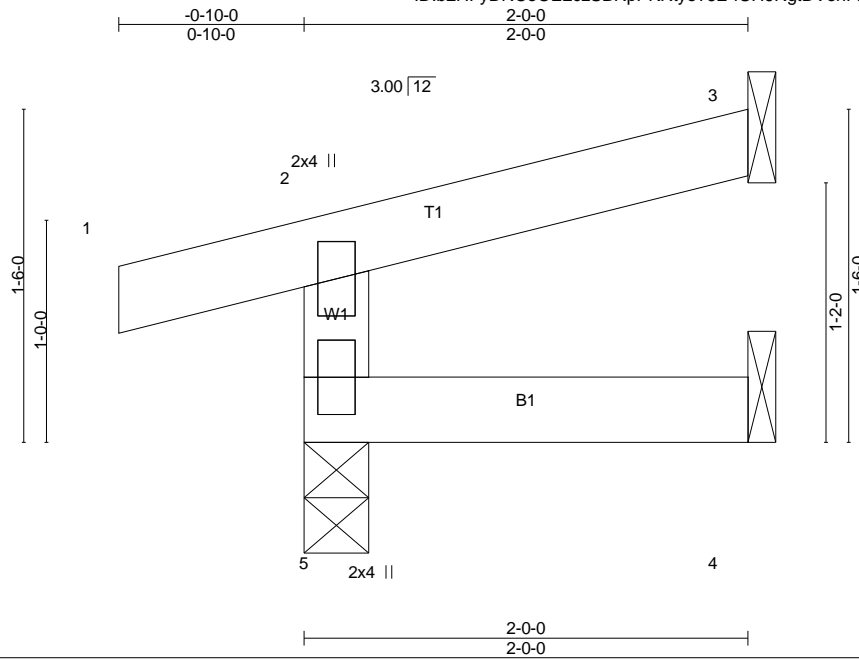
Standard

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 5, 23 lb uplift at joint 3 and 11 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	J03	Jack-Open	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

ID:b2HFyDNcEoE2czSBRpPKRtye?6E-fUH9RgtDVenFNYDHL51vwChRp7ajMq3sO9HR6YzQpnh
8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:06 2022 Page 1



Scale = 1:10.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	Vert(LL) 0.00	5	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.03	Vert(CT) -0.00	4-5	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-R						
	Code IRC2018/TPI2014						Weight: 8 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.

BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

5 = 148/0-3-8 (min. 0-1-8)

3 = 42/Mechanical

4 = 16/Mechanical

Max Horiz

5 = 29(LC 11)

Max Uplift

5 = -51(LC 10)

3 = -23(LC 14)

Max Grav

5 = 187(LC 21)

3 = 54(LC 21)

4 = 34(LC 7)

FORCES. (lb)

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

NOTES- (10-11)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; 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

2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.

7) Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 5 and 23 lb uplift at joint 3.

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.

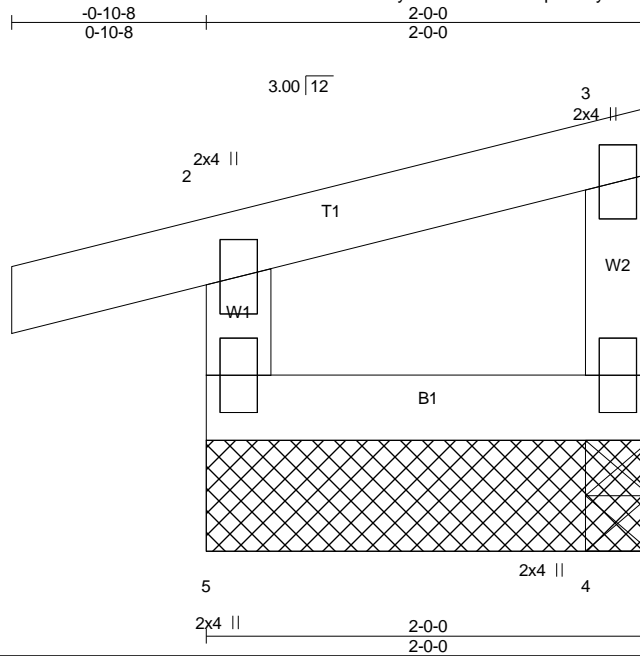
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job 22-2665-R01	Truss J04	Truss Type Monopitch	Qty 1	Ply 1	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
Atlantic Building Components, Moncks Corner, South Carolina					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:09 2022 Page 1
 ID:b2HFyDNcEOE2czSBRpPKRtye?6E-33zI3hv5nZ9qE0ys0EacYqJxwLcbZAoJ47V5jtzQpne



Scale = 1:10.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	-0.00	5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.02	Vert(CT)	-0.00	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	4	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R						
								Weight: 10 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.

BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

4	=	50/2-0-0 (min. 0-1-8)
4	=	50/2-0-0 (min. 0-1-8)
5	=	148/2-0-0 (min. 0-1-8)
Max Horz		
5	=	46(LC 11)
Max Uplift		
4	=	-16(LC 11)
5	=	-60(LC 10)
Max Grav		
4	=	60(LC 21)
4	=	50(LC 1)
5	=	186(LC 21)

FORCES. (lb)

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

NOTES- (9-10)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; 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

- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 4 and 60 lb uplift at joint 5.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

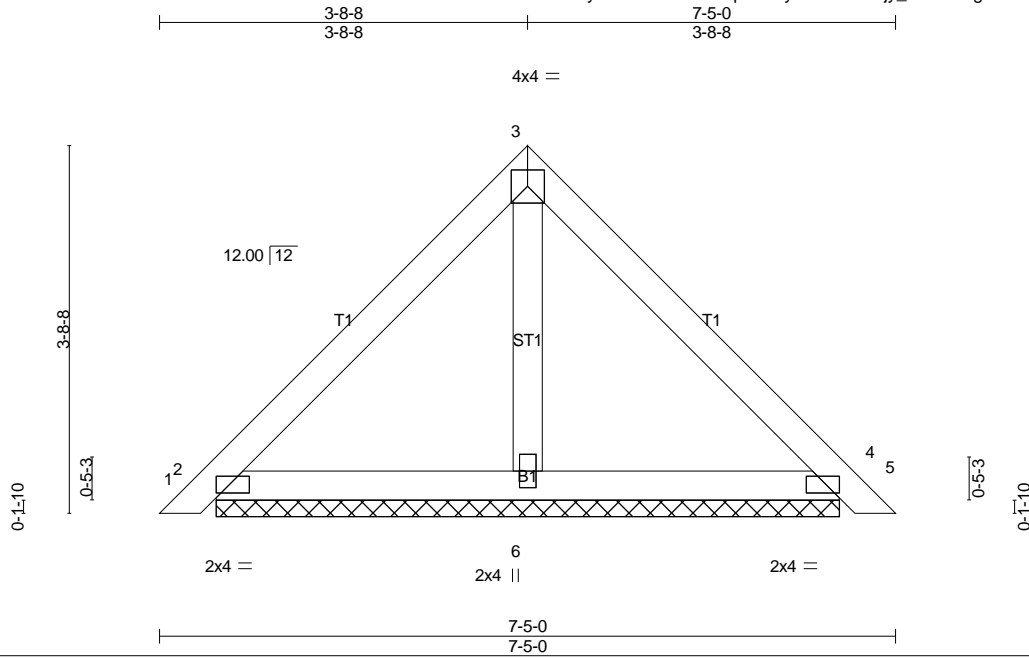
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	PB01	Piggyback	3	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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ID:b2HFyDNcOE2czSBRpPKRtye?6E-UdfRij_4UXP5TgRiM7JATxQNYb_mX3lm5kIKCzQpnb



Scale = 1:23.2

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

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) 0.00	5	n/r	180	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.17	Vert(CT) 0.01	5	n/r	80		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P					Weight: 29 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD
 Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD
 Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

2 = 175/6-3-6 (min. 0-1-8)
 4 = 175/6-3-6 (min. 0-1-8)
 6 = 197/6-3-6 (min. 0-1-8)
 Max Horz
 2 = -80(LC 10)
 Max Uplift
 2 = -43(LC 13)
 4 = -48(LC 13)

FORCES. (lb)

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

NOTES- (11-12)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; 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
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 2 and 48 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job 22-2665-R01	Truss R01A	Truss Type Roof Special	Qty 6	Ply 1	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
Atlantic Building Components, Moncks Corner, South Carolina					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:23 2022 Page 1
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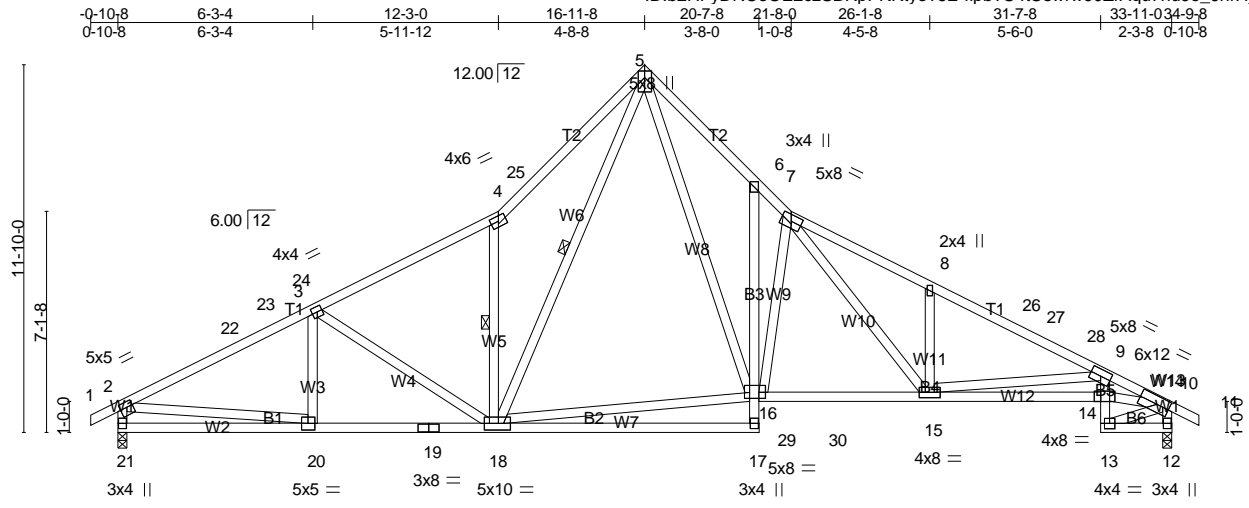


Plate Offsets (X,Y)--	[2:0-2-4,0-2-0], [10:0-2-7,0-3-0], [14:0-2-8,0-0-0], [16:0-2-8,0-2-4], [18:0-4-8,0-2-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.99	Vert(LL) -0.21 17-18 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 1.00	Vert(CT) -0.51 17-18 >789 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.20 12 n/a n/a		
	Code IRC2018/TPI2014			Weight: 247 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 B3: 2x4 SP No.3
 WEBS 2x4 SP No.3
BRACING-
 TOP CHORD
 Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
 BOT CHORD
 Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS
 1 Row at midpt 4-18, 5-18

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
 21 = 1406/0-3-8 (min. 0-1-11)
 12 = 1406/0-3-8 (min. 0-1-11)
 Max Horz
 21 = -207(LC 12)
 Max Uplift
 21 = -192(LC 14)
 12 = -193(LC 15)
 Max Grav
 21 = 1440(LC 40)
 12 = 1440(LC 43)

NOTES- (10-13)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-3-0, Exterior(2R) 12-3-0 to 16-11-8, Exterior(2E) 16-11-8 to 21-8-3, Interior(1) 21-8-3 to 29-11-14, Exterior(2E) 29-11-14 to 34-9-8 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 4) Unbalanced snow loads have been considered for this design.
 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 21 and 193 lb uplift at joint 12.
 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

FORCES. (lb)
 Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 2-22=-2177/301, 22-23=-2075/305,
 23-24=-2042/307, 3-24=-2024/315,
 3-4=-1838/327, 4-25=-2327/583,
 5-25=-2229/608, 5-6=-2257/583,
 6-7=-2168/451, 7-8=-2711/475,
 8-26=-2599/391, 26-27=-2610/377,
 27-28=-2620/376, 9-28=-2679/374,
 9-10=-3166/421, 10-12=-1440/264,

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R01A	Roof Special	6	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

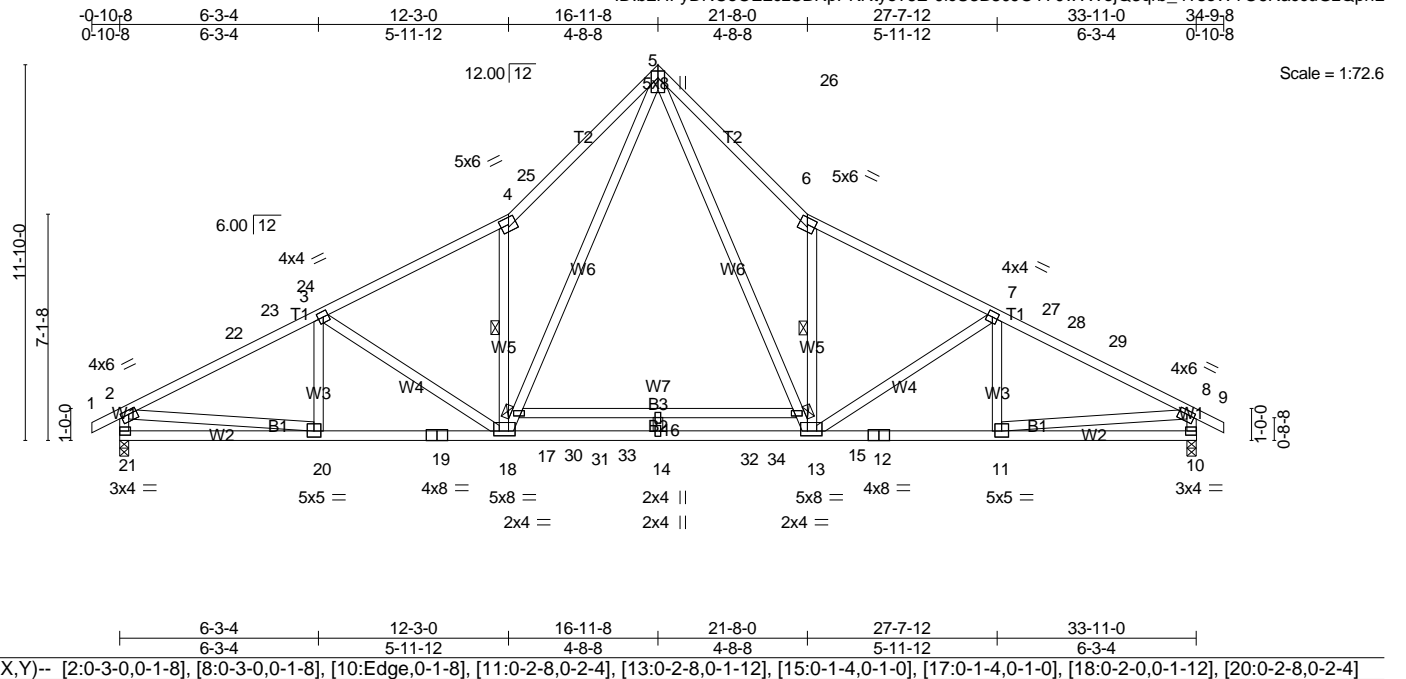
8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:23 2022 Page 2
ID:b2HFyDNCeOE2czSBRpPKRtye?6E-flpb?U4tUswrw90ZrAqu7nu9o_9nrHjMIlurD3zQpnQ

NOTES- (10-13)

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

LOAD CASE(S)

Standard



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.95	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 1.00	Vert(CT) -1.05 16 >600 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.90	Horz(CT) 0.06 10 n/a n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH			
	Code IRC2018/TPI2014			Weight: 233 lb	FT = 0%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 B2: 2x4 SP SS, B3: 2x4 SP No.1
 WEBS 2x4 SP No.3
BRACING-
 TOP CHORD
 Structural wood sheathing directly applied, except end verticals.
 BOT CHORD
 Rigid ceiling directly applied or 9-4-10 oc bracing.
 WEBS
 1 Row at midpt 6-13, 4-18

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

TOP CHORD
 2-22=-2475/223, 22-23=-2390/227,
 23-24=-2362/229, 3-24=-2348/237,
 3-4=-2328/233, 4-25=-2955/462,
 5-25=-2878/487, 5-26=-2878/492,
 6-26=-2955/466, 6-7=-2328/254,
 7-27=-2348/257, 27-28=-2362/249,
 28-29=-2390/247, 8-29=-2475/243,
 2-21=-1508/226, 8-10=-1508/237
BOT CHORD
 20-21=-220/443, 19-20=-250/2190,
 18-19=-250/2190, 18-30=0/1163,
 30-31=0/1163, 14-31=0/1163,
 14-32=0/1163, 13-32=0/1163,
 12-13=-116/2155, 11-12=-116/2155,
 10-11=-76/303
WEBS
 5-15=-320/2108, 13-15=-366/2027,
 6-13=-1316/331, 7-13=-424/179,
 17-18=-367/2027, 5-17=-320/2108,
 4-18=-1316/350, 3-18=-424/179,
 2-20=-61/1883, 8-11=-78/1883

NOTES- (10-11)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-3-0, Exterior(2R) 12-3-0 to 16-11-8, Exterior(2E) 16-11-8 to 21-8-0, Interior(1) 21-8-0 to 29-11-14, Exterior(2E) 29-11-14 to 34-9-8 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 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 148 lb uplift at joint 21 and 148 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
 Standard

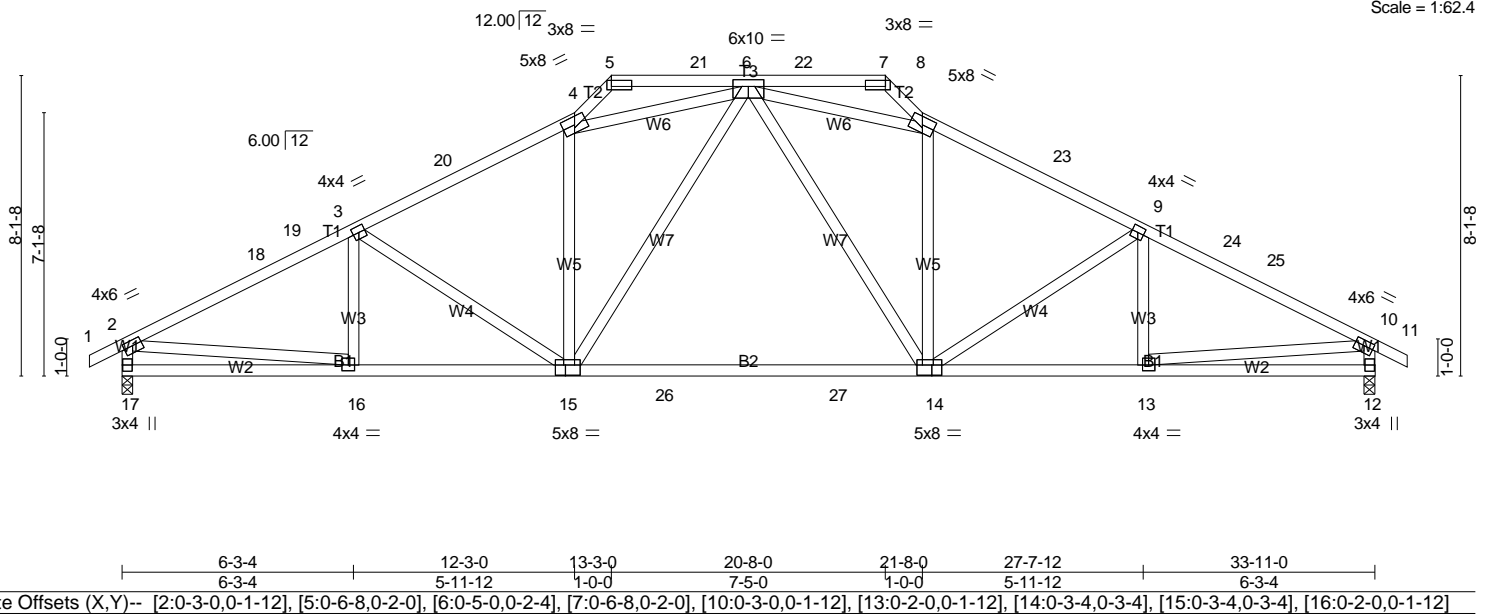
FORCES. (lb)
 Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
 2-22=-2475/223, 22-23=-2390/227,
 23-24=-2362/229, 3-24=-2348/237,
 3-4=-2328/233, 4-25=-2955/462,
 5-25=-2878/487, 5-26=-2878/492,
 6-26=-2955/466, 6-7=-2328/254,
 7-27=-2348/257, 27-28=-2362/249,
 28-29=-2390/247, 8-29=-2475/243,
 2-21=-1508/226, 8-10=-1508/237

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R01C	Piggyback Base	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:35 2022 Page 1
 ID:b2HFyDNcEOE2czSBRpPKRtye?6E-J3Y7XaDPYR8M?xsYh2icJOGFpFwmp72AoTeMzQpnE

0-10-8	6-3-4	12-3-0	13-3-0	16-11-8	20-8-0	21-8-0	27-7-12	33-11-0	34-9-8
0-10-8	6-3-4	5-11-12	1-0-0	3-8-8	3-8-8	1-0-0	5-11-12	6-3-4	0-10-8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.47 14-15	>861	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.97	Vert(CT)	-0.73 14-15	>553	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.73	Horz(CT)	0.06 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-SH					Weight: 220 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD
 Structural wood sheathing directly applied or 3-5-2 oc purlins, except end verticals.
 BOT CHORD
 Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 2-2-0 oc bracing: 14-15.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

17	=	1406/0-3-8 (min. 0-1-11)
12	=	1406/0-3-8 (min. 0-1-11)
Max Horz		
17	=	-123(LC 12)
Max Uplift		
17	=	-177(LC 14)
12	=	-177(LC 15)
Max Grav		
17	=	1421(LC 45)
12	=	1421(LC 49)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 2-18=-2132/330, 18-19=-2030/334,
 3-19=-1984/345, 3-20=-1868/330,
 4-20=-1797/354, 4-5=-328/82,
 7-8=-328/78, 8-23=-1797/356,
 9-23=-1868/333, 9-24=-1984/347,
 24-25=-2030/336, 10-25=-2132/333,
 2-17=-1351/285, 10-12=-1351/286
 BOT CHORD
 16-17=-169/356, 15-16=-240/1835,

BOT CHORD

16-17=-169/356, 15-16=-240/1835,
 15-26=-111/1554, 26-27=-111/1554,
 14-27=-111/1554, 13-14=-197/1835,
 12-13=-78/297
 WEBS
 3-15=-435/173, 6-15=-103/421,
 6-14=-103/421, 9-14=-435/173,
 2-16=-153/1554, 10-13=-155/1554,
 4-6=-1549/324, 6-8=-1549/325

NOTES- (11-12)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-3-0, Exterior(2R) 12-3-0 to 20-8-0, Exterior(2E) 20-8-0 to 21-8-0, Interior(1) 21-8-0 to 29-11-14, Exterior(2E) 29-11-14 to 34-9-8 zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 17 and 177 lb uplift at joint 12.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.

12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R01D	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:43 2022 Page 1
 ID:b2HFyDNCeOE2czSBRpPKRtye?6E-4b09CJKQn?R?JEYP0NBaw?jdD2_oX0oJuPkuvvzQpn6

0-10-8	6-3-4	12-3-0	13-3-0	16-11-8	20-8-0	21-8-0	27-7-12	33-11-0	34-9-8
0-10-8	6-3-4	5-11-12	1-0-0	3-8-8	3-8-8	1-0-0	5-11-12	6-3-4	0-10-8

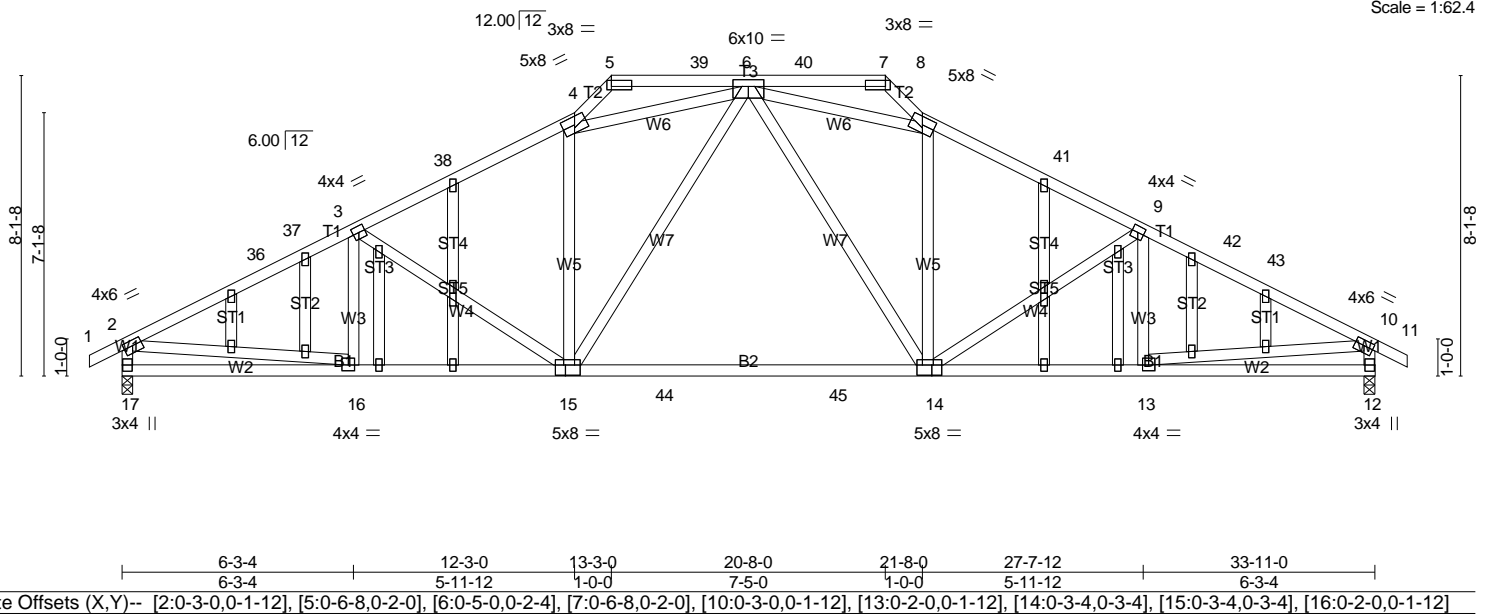


Plate Offsets (X,Y)--	[2:0-3-0,0-1-12], [5:0-6-8,0-2-0], [6:0-5-0,0-2-4], [7:0-6-8,0-2-0], [10:0-3-0,0-1-12], [13:0-2-0,0-1-12], [14:0-3-4,0-3-4], [15:0-3-4,0-3-4], [16:0-2-0,0-1-12]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.63	Vert(LL) -0.47 14-15 >861 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.97	Vert(CT) -0.73 14-15 >553 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.73	Horz(CT) 0.06 12 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-SH			
				Weight: 255 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD
 Structural wood sheathing directly applied or 3-5-2 oc purlins, except end verticals.
 BOT CHORD
 Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 2-2-0 oc bracing: 14-15.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

17 =	1406/0-3-8 (min. 0-1-11)
12 =	1406/0-3-8 (min. 0-1-11)
Max Horz	
17 =	-123(LC 12)
Max Uplift	
17 =	-177(LC 14)
12 =	-177(LC 15)
Max Grav	
17 =	1421(LC 45)
12 =	1421(LC 49)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 2-36=-2132/330, 36-37=-2030/334,
 3-37=-1984/345, 3-38=-1868/330,
 4-38=-1797/354, 4-5=-328/82,
 7-8=-328/78, 8-41=-1797/356,
 9-41=-1868/333, 9-42=-1984/347,
 42-43=-2030/336, 10-43=-2132/333,
 2-17=-1351/285, 10-12=-1351/286
 BOT CHORD
 16-17=-169/356, 15-16=-240/1835,

BOT CHORD

16-17=-169/356, 15-16=-240/1835,
 15-44=-111/1554, 44-45=-111/1554,
 14-45=-111/1554, 13-14=-197/1835,
 12-13=-78/297
 WEBS
 3-15=-435/173, 6-15=-103/421,
 6-14=-103/421, 9-14=-435/173,
 2-16=-153/1554, 10-13=-155/1554,
 4-6=-1549/324, 6-8=-1549/325

NOTES- (14-15)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 12-3-0, Exterior(2R) 12-3-0 to 20-8-0, Exterior(2E) 20-8-0 to 21-8-0, Interior(1) 21-8-0 to 29-11-14, Exterior(2E) 29-11-14 to 34-9-8 zone; 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water

- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 17 and 177 lb uplift at joint 12.
- 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 14) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

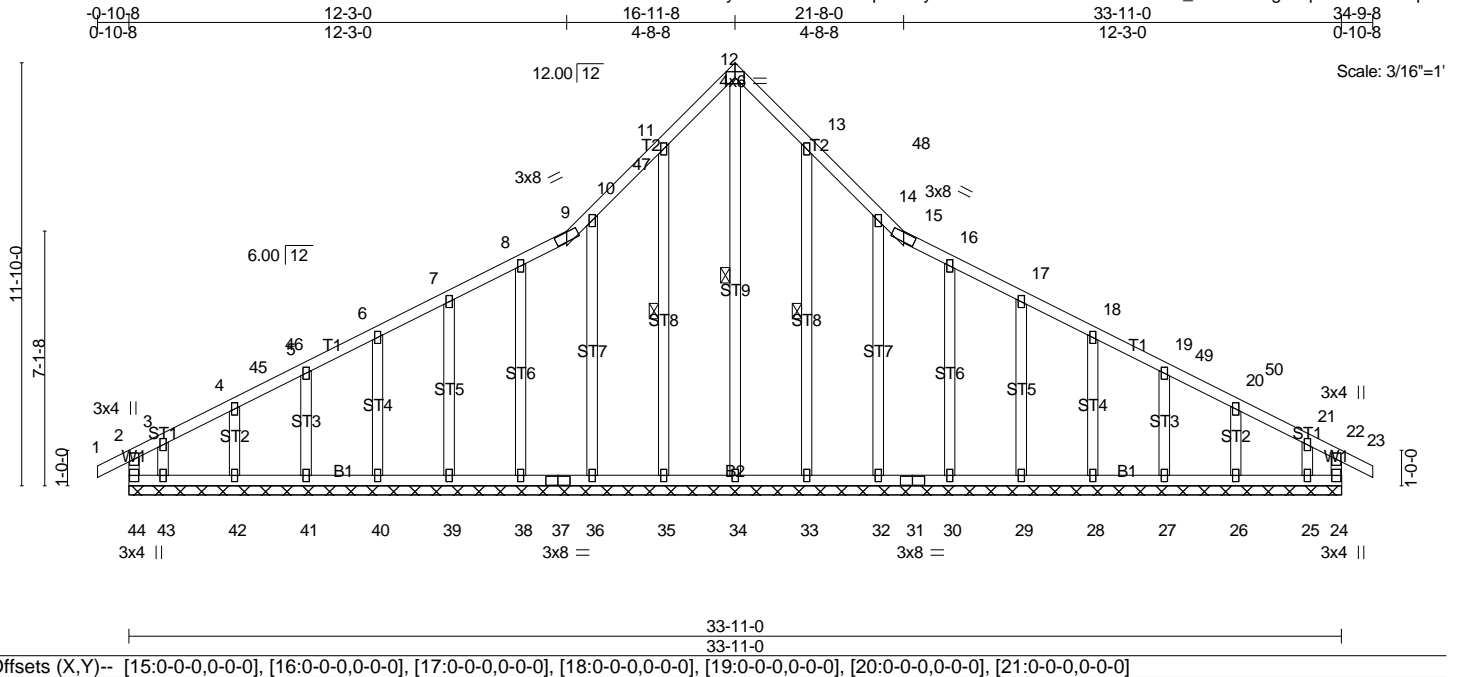
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R02	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.28	Vert(LL)	-0.00	23	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	-0.00	23	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.01	24	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R						
								Weight: 244 lb	FT = 0%

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.
- WEBS
- 1 Row at midpt
- 12-34, 11-35, 13-33

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 33-11-0.

- (lb) - Max Horz
- 44=-207(LC 12)
- Max Uplift
- All uplift 100 lb or less at joint(s)
- 24, 35, 38, 39, 40, 41, 42, 33, 30, 29, 28, 27, 26 except 44=-116(LC 12), 36=-105(LC 14), 43=-259(LC 14), 32=-115(LC 15), 25=-231(LC 15)
- Max Grav
- All reactions 250 lb or less at joint(s)
- 24, 40, 41, 42, 43, 28, 27, 26, 25
- except 44=282(LC 14), 34=360(LC 27), 35=315(LC 35), 36=255(LC 5), 38=265(LC 36), 39=274(LC 36), 33=315(LC 38), 32=255(LC 6), 30=265(LC 39), 29=274(LC 39)

FORCES. (lb)

- Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD
- 2-3=-268/123, 10-47=-102/316,

TOP CHORD

- 2-3=-268/123, 10-47=-102/316,
- 11-47=-94/327, 11-12=-142/417,
- 12-13=-142/397, 13-48=-94/251,
- 21-22=-260/88

BOT CHORD

- 43-44=-71/255, 42-43=-71/255,
- 41-42=-71/255, 40-41=-71/255,
- 39-40=-71/255, 38-39=-71/255,
- 37-38=-71/255, 36-37=-71/255,
- 35-36=-71/255, 34-35=-71/255,
- 33-34=-71/255, 32-33=-71/255,
- 31-32=-71/255, 30-31=-71/255,
- 29-30=-71/255, 28-29=-71/255,
- 27-28=-71/255, 26-27=-71/255,
- 25-26=-71/255, 24-25=-71/255

WEBS

- 12-34=-475/135

NOTES- (15-16)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 12-3-0, Corner(3R) 12-3-0 to 16-11-8, Corner(3E) 16-11-8 to 21-8-0, Exterior(2N) 21-8-0 to 29-11-14, Corner(3E) 29-11-14 to 34-9-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 35, 38, 39, 40, 41, 42, 33, 30, 29, 28, 27, 26 except (jt=lb) 44=116, 36=105, 43=259, 32=115, 25=231.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R02	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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ID:b2HFyDNCeOE2czSBRpPKRtye?6E-ulOQTNObMrC919?YMdl_AGzkHTEgxCqBGLBD7YzQpn0

NOTES- (15-16)

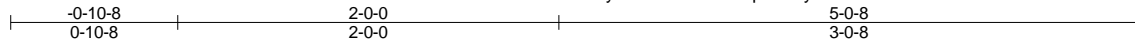
- 15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job 22-2665-R01	Truss R03	Truss Type Half Hip Girder	Qty 1	Ply 1	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
Atlantic Building Components, Moncks Corner, South Carolina					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:13:53 2022 Page 1
ID:b2HFyDNCeOE2czSBRpPKRtye?6E-nWdxlRiQ4iaWmJKbTMwK68QS4bOt4EnBz9QGJzQpmy



Scale: 1"=1'

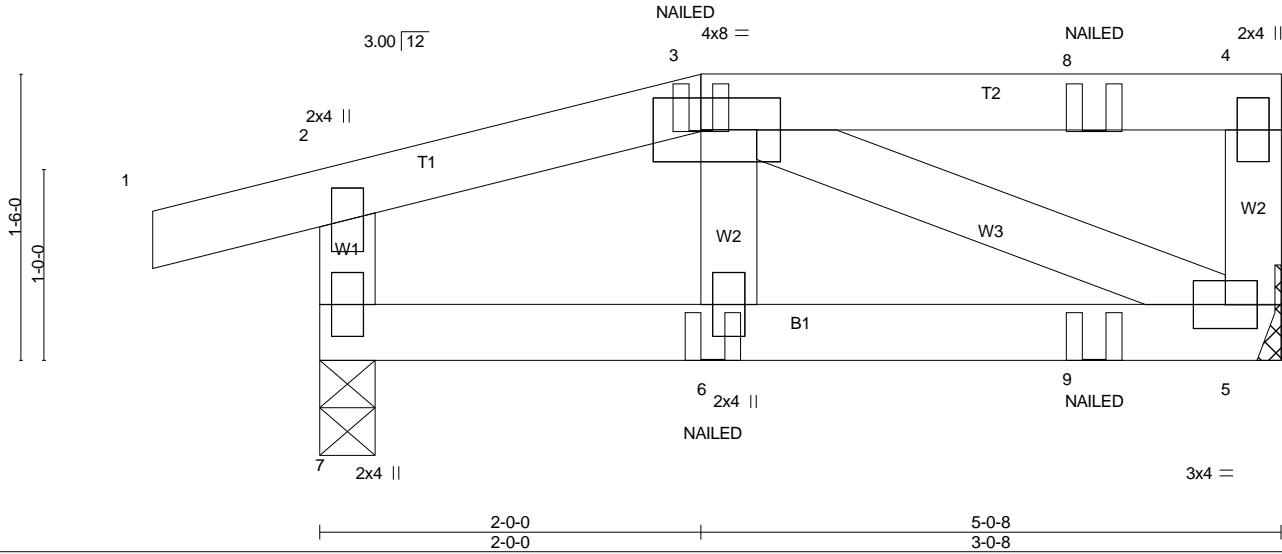


Plate Offsets (X,Y)-- [3:0-5-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.26	Vert(LL) -0.01	6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.18	Vert(CT) -0.01	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.03	Horz(CT) 0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-SH						
							Weight: 24 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD
Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

5 = 185/Mechanical
7 = 258/0-3-8 (min. 0-1-8)
Max Horz
7 = 29(LC 9)
Max Uplift
5 = -80(LC 8)
7 = -118(LC 8)
Max Grav
5 = 235(LC 33)
7 = 315(LC 34)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-7=-261/97

NOTES- (13-14)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; porch left exposed;
Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 7=118.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

Standard

Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 6=0(B) 8=-2(B) 9=0(B)

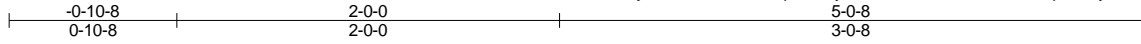
LOAD CASE(S)

Standard
1) Dead + Snow (balanced): Lumber Increase=1.15,
Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R03A	Half Hip Girder	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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Scale: 1"=1'

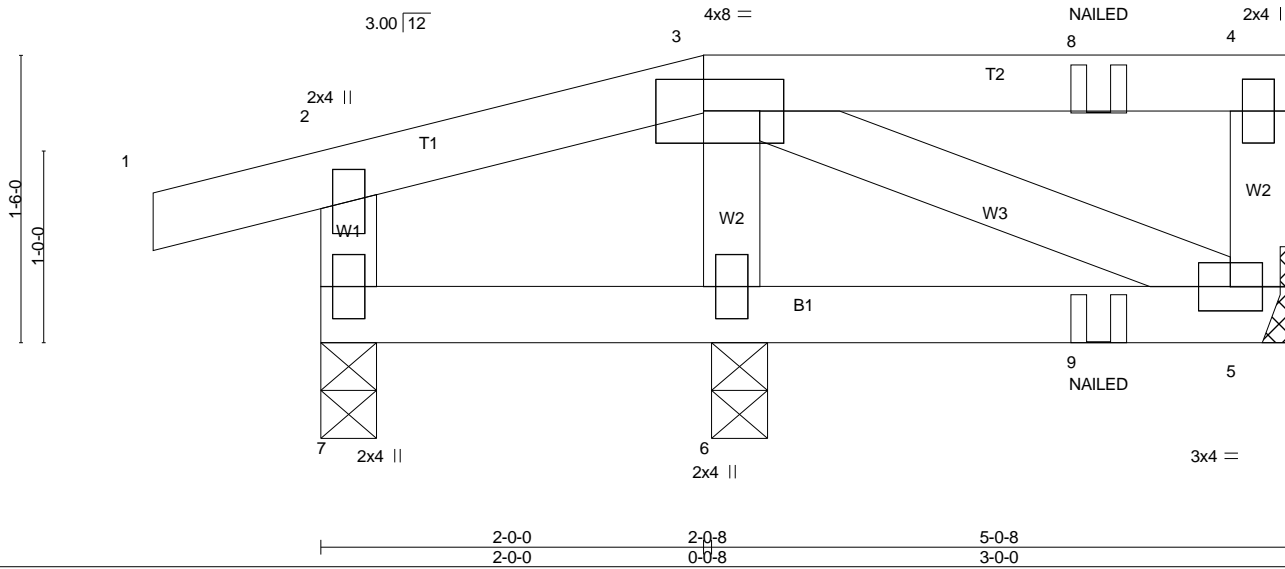


Plate Offsets (X,Y)-- [3:0-5-0,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.00	5-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.00	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.03	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-P						Weight: 24 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD
Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

5	=	104/Mechanical
7	=	146/0-3-8 (min. 0-1-8)
6	=	194/0-3-8 (min. 0-1-8)
Max Horz		
7	=	29(LC 9)
Max Uplift		
5	=	-33(LC 8)
7	=	-88(LC 47)
6	=	-28(LC 8)
Max Grav		
5	=	143(LC 33)
7	=	211(LC 34)
6	=	218(LC 33)

FORCES. (lb)

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

NOTES- (13-14)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; porch left exposed;
Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7, 6.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- "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).
- Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

- Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 8=-2(F) 9=0(F)

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R04	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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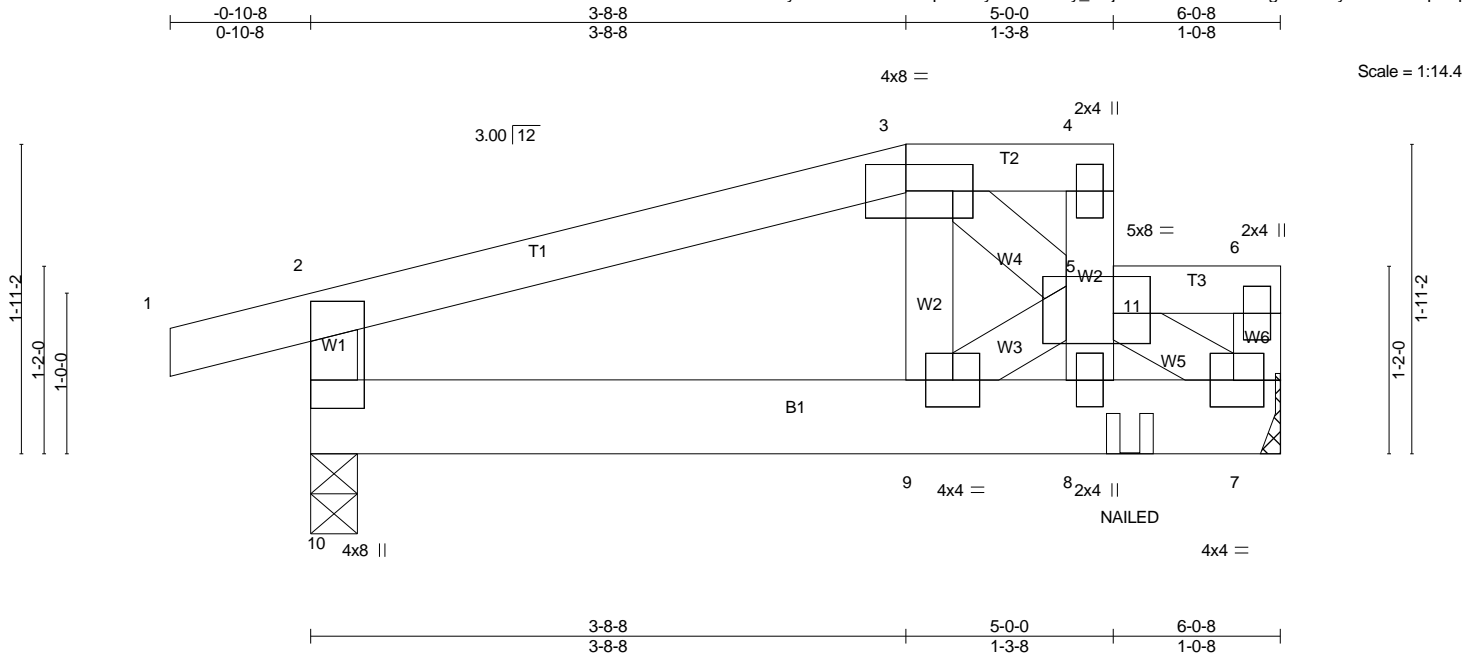


Plate Offsets (X,Y)-- [3:0-5-0,0-2-0], [5:0-2-12,0-2-12], [7:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 2-0-0	TC 0.73	Vert(LL) -0.01	9	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.36	Vert(CT) -0.02	9	>999	360		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.21	Horz(CT) 0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-SH	Wind(LL) 0.01	9	>999	240		
							Weight: 33 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 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 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

7 = 1073/Mechanical
10 = 418/0-3-8 (min. 0-1-8)
Max Horz = 63(LC 12)
Max Uplift = -98(LC 8)
Max Grav = 1165(LC 76)
7 = 571(LC 2)
10 =

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-532/26, 5-8=-329/119, 6-7=-387/0,
2-10=-450/93
BOT CHORD
9-10=-29/461, 8-9=0/831, 7-8=0/895
WEBS
3-9=0/312, 3-5=-506/0, 5-9=-506/0,
5-7=-962/0

NOTES- (15-16)

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

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=40.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700
2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-4=-100, 5-11=-100, 6-11=-210, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-161(B) 11=-700
3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-4=-80, 5-11=-80, 6-11=-190, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-139(B) 11=-700
4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R04	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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LOAD CASE(S)

Standard	Standard	Standard
Uniform Loads (plf) Vert: 1-2=-50, 2-3=-50, 3-4=-50, 5-11=-50, 6-11=-160, 7-10=-20	Vert: 1-2=5, 2-3=10, 3-4=10, 5-11=26, 6-11=-84, 7-10=-10 Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-10=-17 Drag: 3-4=-0	Uniform Loads (plf) Vert: 1-2=-27, 2-3=-31, 3-4=-31, 5-11=-42, 6-11=-152, 7-10=-7 Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19 Drag: 3-4=-0
Concentrated Loads (lb) Vert: 8=-165(B) 11=-700	Concentrated Loads (lb) Vert: 8=313(B) 11=-700	Concentrated Loads (lb) Vert: 8=184(B) 11=-700
5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-50, 2-3=-56, 3-4=-56, 5-11=-29, 6-11=-139, 7-10=-20	14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=21, 2-3=26, 3-4=10, 5-11=10, 6-11=-100, 7-10=-10 Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-10=12 Drag: 3-4=-0	23) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-37, 2-3=-40, 3-4=-31, 5-11=-31, 6-11=-141, 7-10=-20 Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6 Drag: 3-4=-0
6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-29, 2-3=-29, 3-4=-50, 5-11=-50, 6-11=-160, 7-10=-20	Concentrated Loads (lb) Vert: 8=313(B) 11=-700	Concentrated Loads (lb) Vert: 8=195(B) 11=-700
7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 3-4=-20, 5-11=-20, 6-11=-130, 7-10=-40	15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=5, 2-3=10, 3-4=10, 5-11=26, 6-11=-84, 7-10=-10 Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-10=-17 Drag: 3-4=-0	24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-27, 2-3=-31, 3-4=-42, 5-11=-42, 6-11=-152, 7-10=-20 Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17 Drag: 3-4=-0
Concentrated Loads (lb) Vert: 8=94(B) 11=-700	Concentrated Loads (lb) Vert: 8=313(B) 11=-700	Concentrated Loads (lb) Vert: 8=195(B) 11=-700
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=38, 2-3=26, 3-4=26, 5-11=10, 6-11=-100, 7-10=7	16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=11, 2-3=6, 3-4=-10, 5-11=-10, 6-11=-120, 7-10=-20 Horz: 1-2=-31, 2-3=-26, 4-5=-20, 2-10=23 Drag: 3-4=-0	25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-39, 2-3=-42, 3-4=-42, 5-11=-31, 6-11=-141, 7-10=-20 Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5 Drag: 3-4=-0
Horz: 1-2=-48, 2-3=-36, 4-5=9, 2-10=15 Drag: 3-4=-0	Concentrated Loads (lb) Vert: 8=322(B) 11=-700	Concentrated Loads (lb) Vert: 8=195(B) 11=-700
Concentrated Loads (lb) Vert: 8=298(B) 11=-700	17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-5, 2-3=-10, 3-4=-10, 5-11=6, 6-11=-104, 7-10=-20 Horz: 1-2=-15, 2-3=-10, 4-5=-5, 2-10=-7 Drag: 3-4=-0	26) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-57, 2-3=-61, 3-4=-61, 5-11=-72, 6-11=-182, 7-10=-7 Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19 Drag: 3-4=-0
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=8, 2-3=13, 3-4=26, 5-11=26, 6-11=-84, 7-10=-10	Concentrated Loads (lb) Vert: 8=322(B) 11=-700	Concentrated Loads (lb) Vert: 8=190(B) 11=-700
Horz: 1-2=-18, 2-3=-23, 4-5=-24, 2-10=-19 Drag: 3-4=-0	18) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-100, 2-3=-20, 3-4=-20, 5-11=-20, 6-11=-130, 7-10=-20 Concentrated Loads (lb) Vert: 8=-52(B) 11=-700	27) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-67, 2-3=-70, 3-4=-61, 5-11=-61, 6-11=-171, 7-10=-20 Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6 Drag: 3-4=-0
Concentrated Loads (lb) Vert: 8=313(B) 11=-700	Concentrated Loads (lb) Vert: 8=196(B) 11=-700	Concentrated Loads (lb) Vert: 8=202(B) 11=-700
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=11, 2-3=6, 3-4=6, 5-11=-10, 6-11=-120, 7-10=-3	19) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 2-3=-68, 3-4=-68, 5-11=-32, 6-11=-142, 7-10=-20 Concentrated Loads (lb) Vert: 8=-196(B) 11=-700	28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-57, 2-3=-61, 3-4=-72, 5-11=-72, 6-11=-182, 7-10=-20 Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17 Drag: 3-4=-0
Horz: 1-2=-31, 2-3=-26, 4-5=30, 2-10=25 Drag: 3-4=-0	20) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 3-4=-60, 5-11=-60, 6-11=-170, 7-10=-20 Concentrated Loads (lb) Vert: 8=-196(B) 11=-700	Concentrated Loads (lb) Vert: 8=202(B) 11=-700
Concentrated Loads (lb) Vert: 8=307(B) 11=-700	21) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-2=-20, 2-3=-20, 3-4=-20, 5-11=-20, 6-11=-130, 7-10=-20 Concentrated Loads (lb) Vert: 8=-72(B) 11=-700	29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-69, 2-3=-72, 3-4=-72, 5-11=-61, 6-11=-171, 7-10=-20 Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5 Drag: 3-4=-0
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-2, 2-3=-7, 3-4=6, 5-11=6, 6-11=-104, 7-10=-20	22) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60	Concentrated Loads (lb) Vert: 8=202(B) 11=-700
Horz: 1-2=-18, 2-3=-13, 4-5=-3, 2-10=-9 Drag: 3-4=-0		
Concentrated Loads (lb) Vert: 8=322(B) 11=-700		
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=21, 2-3=26, 3-4=10, 5-11=10, 6-11=-100, 7-10=-10		
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-10=12 Drag: 3-4=-0		
Concentrated Loads (lb) Vert: 8=313(B) 11=-700		
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)		

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Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R04	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8,430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:02 2022 Page 3
ID:b2HFyDNCeOE2czSBRpPKRtye76E-0fgKBPYLrqJ59V2ds11CO0rtidhU6a6GsrP4lzQpmp

LOAD CASE(S)

- | Standard | Standard | Standard |
|---|---|--|
| 30) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | 41) 11th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-76, 5-11=-32, 6-11=-142, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | 50) 20th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-42, 5-11=-42, 6-11=-152, 7-10=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(B) 11=-700 |
| 31) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-12, 3-4=-10, 5-11=-10, 6-11=-120, 7-10=-10
Horz: 2-3=2, 4-5=8, 2-10=16
Concentrated Loads (lb)
Vert: 8=246(B) 11=-700 | 42) 12th Unbal.Dead + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-32, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | 51) 21st Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-21, 3-4=-64, 5-11=-31, 6-11=-141, 7-10=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(B) 11=-700 |
| 32) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-10, 3-4=-10, 5-11=-10, 6-11=-120, 7-10=-10
Concentrated Loads (lb)
Vert: 8=-81(B) 11=-700 | 43) 13th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-72, 5-11=-50, 6-11=-160, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 52) 22nd Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-64, 3-4=-42, 5-11=-31, 6-11=-141, 7-10=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(B) 11=-700 |
| 33) 3rd Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-50, 5-11=-29, 6-11=-139, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 44) 14th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-3=-72, 3-4=-50, 5-11=-50, 6-11=-160, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 53) 23rd Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-89, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=184(B) 11=-700 |
| 34) 4th Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-58, 3-4=-29, 5-11=-29, 6-11=-139, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 45) 15th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-53, 5-11=-42, 6-11=-152, 7-10=-7
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=184(B) 11=-700 | 54) 24th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 3-4=-60, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 |
| 35) 5th Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-62, 5-11=-29, 6-11=-139, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 46) 16th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-31, 5-11=-42, 6-11=-152, 7-10=-7
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=184(B) 11=-700 | 55) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-4=-100, 5-11=-20, 6-11=-130, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-161(B) 11=-700 |
| 36) 6th Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-29, 5-11=-50, 6-11=-160, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-165(B) 11=-700 | 47) 17th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 3-4=-53, 5-11=-31, 6-11=-141, 7-10=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(B) 11=-700 | 56) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-100, 5-11=-100, 6-11=-210, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-161(B) 11=-700 |
| 37) 7th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-89, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | 48) 18th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 3-4=-31, 5-11=-31, 6-11=-141, 7-10=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(B) 11=-700 | 57) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-4=-80, 5-11=-20, 6-11=-130, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-139(B) 11=-700 |
| 38) 8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 3-4=-60, 5-11=-60, 6-11=-170, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | 49) 19th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf) | 58) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-80, 5-11=-80, 6-11=-190, 7-10=-20
Concentrated Loads (lb) |
| 39) 9th Unbal.Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-60, 5-11=-32, 6-11=-142, 7-10=-20
Concentrated Loads (lb)
Vert: 8=-196(B) 11=-700 | | |
| 40) 10th Unbal.Dead + Snow (Unbal. Left) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-71, 2-3=-71, 3-4=-32, 5-11=-32, 6-11=-142, 7-10=-20
Concentrated Loads (lb) | | |

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Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R04	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:02 2022 Page 4
ID:b2HFyDNCeOE2czSBRpPKRtye76E-0fGkBPYLrqJ59V2ds11CO0rtidhU6a6GsrP4lzQpmp

LOAD CASE(S)

- | Standard | Standard | Standard |
|---|--|---|
| Concentrated Loads (lb)
Vert: 8=-139(B) 11=-700 | Vert: 8=-300(B) 11=-700 | Vert: 1-2=-67, 2-3=-70, 3-4=-61, 5-11=-61,
6-11=-171, 7-10=-20 |
| 59) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 3-4=26, 5-11=10, 6-11=-100,
7-10=7
Horz: 1-2=-48, 2-3=-36, 4-5=9, 2-10=15
Drag: 3-4=0 | 67) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=-10, 5-11=-10, 6-11=-120,
7-10=-20
Horz: 1-2=-31, 2-3=-26, 4-5=-20, 2-10=23
Drag: 3-4=0 | Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-282(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-315(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-291(B) 11=-700 | 75) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-72, 5-11=-72,
6-11=-182, 7-10=-20 |
| 60) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 3-4=26, 5-11=26, 6-11=-84,
7-10=-10
Horz: 1-2=-18, 2-3=-23, 4-5=-24, 2-10=-19
Drag: 3-4=0 | 68) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 3-4=-10, 5-11=6, 6-11=-104,
7-10=-20
Horz: 1-2=-15, 2-3=-10, 4-5=-5, 2-10=-7
Drag: 3-4=0 | Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-282(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-300(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-291(B) 11=-700 | 76) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 3-4=-72, 5-11=-61,
6-11=-171, 7-10=-20 |
| 61) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal)
Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=6, 5-11=-10, 6-11=-120,
7-10=3
Horz: 1-2=-31, 2-3=-26, 4-5=30, 2-10=25
Drag: 3-4=0 | 69) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-31, 5-11=-42,
6-11=-152, 7-10=-7
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=0 | Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-282(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-306(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-310(B) 11=-700 | 77) Reversal: Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-12, 3-4=-10, 5-11=-10,
6-11=-120, 7-10=-10 |
| 62) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal)
Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 3-4=6, 5-11=6, 6-11=-104,
7-10=-20
Horz: 1-2=-18, 2-3=-13, 4-5=-3, 2-10=-9
Drag: 3-4=0 | 70) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 3-4=-31, 5-11=-31,
6-11=-141, 7-10=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=0 | Horz: 2-3=2, 4-5=8, 2-10=16
Concentrated Loads (lb)
Vert: 8=-232(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-291(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-298(B) 11=-700 | 78) Reversal: 15th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-53, 5-11=-42,
6-11=-152, 7-10=-7 |
| 63) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-11=10, 6-11=-100,
7-10=-10
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-10=12
Drag: 3-4=0 | 71) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-42, 5-11=-42,
6-11=-152, 7-10=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17
Drag: 3-4=0 | Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-310(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-300(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-298(B) 11=-700 | 79) Reversal: 16th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-31, 5-11=-42,
6-11=-152, 7-10=-7 |
| 64) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 3-4=10, 5-11=26, 6-11=-84,
7-10=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-10=-17
Drag: 3-4=0 | 72) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 3-4=-42, 5-11=-31,
6-11=-141, 7-10=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5
Drag: 3-4=0 | Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-310(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-291(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-298(B) 11=-700 | 80) Reversal: 17th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 3-4=-53, 5-11=-31,
6-11=-141, 7-10=-20 |
| 65) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-11=10, 6-11=-100,
7-10=-10
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-10=12
Drag: 3-4=0 | 73) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-61, 5-11=-72,
6-11=-182, 7-10=-7
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-10=19
Drag: 3-4=0 | Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-298(B) 11=-700 |
| Concentrated Loads (lb)
Vert: 8=-300(B) 11=-700 | Concentrated Loads (lb)
Vert: 8=-293(B) 11=-700 | 81) Reversal: 18th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 3-4=-31, 5-11=-31,
6-11=-141, 7-10=-20 |
| 66) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 3-4=10, 5-11=26, 6-11=-84,
7-10=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-10=-17
Drag: 3-4=0 | 74) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf) | Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-10=-6
Drag: 3-4=0
Concentrated Loads (lb)
Vert: 8=-298(B) 11=-700 |
| Concentrated Loads (lb) | | 82) Reversal: 19th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 |

Continued on page 5

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R04	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:02 2022 Page 5
 ID:b2HFyDNCeOE2czSBRpPKRtye?6E-0FgKBpYLJrjQ59V2ds11C00rtidhU6a6GsrP4lzQpmp

LOAD CASE(S)

Standard

Uniform Loads (plf)

Vert: 1-2=-6, 2-3=-10, 3-4=-64, 5-11=-42, 6-11=-152,

7-10=-20

Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(B) 11=-700

83) Reversal: 20th Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-49, 2-3=-53, 3-4=-42, 5-11=-42,

6-11=-152, 7-10=-20

Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-10=17

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(B) 11=-700

84) Reversal: 21st Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-18, 2-3=-21, 3-4=-64, 5-11=-31,

6-11=-141, 7-10=-20

Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(B) 11=-700

85) Reversal: 22nd Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-61, 2-3=-64, 3-4=-42, 5-11=-31,

6-11=-141, 7-10=-20

Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-10=-5

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(B) 11=-700

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R05	HALF HIP	4	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:05 2022 Page 2
ID:b2HFyDNCeOE2czSBRpPKRtye?6E-QqMTqrbDbmDuyceEdl_akpeeKXvfqhTiyq33hdzQpmm

LOAD CASE(S)

- | | | |
|--|---|---|
| <p>Standard Except:</p> <p>5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-56, 4-9=-29, 5-9=-139(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 4-9=-63, 5-9=-173(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-20, 5-9=-130(F=-110), 6-8=-40
Concentrated Loads (lb)
Vert: 9=700</p> <p>8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=56, 2-3=45, 4-9=45, 5-9=65(F=-110), 6-8=56
Horz: 1-2=-66, 2-3=-55, 3-4=-48, 2-8=36
Concentrated Loads (lb)
Vert: 9=700</p> <p>9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=-44, 4-9=-44, 5-9=-154(F=-110), 6-8=-1
Horz: 1-2=-19, 2-3=24, 3-4=29, 2-8=33
Concentrated Loads (lb)
Vert: 9=700</p> <p>10) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 4-9=10, 5-9=100(F=-110), 6-8=7
Horz: 1-2=-48, 2-3=-36, 3-4=9, 2-8=15
Concentrated Loads (lb)
Vert: 9=700</p> <p>11) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 4-9=26, 5-9=84(F=-110), 6-8=10
Horz: 1-2=-18, 2-3=-23, 3-4=-24, 2-8=19
Concentrated Loads (lb)
Vert: 9=700</p> <p>12) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-9=10, 5-9=120(F=-110), 6-8=3
Horz: 1-2=-31, 2-3=-26, 3-4=30, 2-8=25
Concentrated Loads (lb)
Vert: 9=700</p> <p>13) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 4-9=6, 5-9=-104(F=-110), 6-8=-20
Horz: 1-2=-18, 2-3=-13, 3-4=-3, 2-8=9
Concentrated Loads (lb)
Vert: 9=700</p> <p>14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-9=10, 5-9=100(F=-110), 6-8=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 2-8=12
Concentrated Loads (lb)
Vert: 9=700</p> | <p>Standard Except:</p> <p>15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-9=26, 5-9=84(F=-110), 6-8=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 2-8=17
Concentrated Loads (lb)
Vert: 9=700</p> <p>16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-9=10, 5-9=100(F=-110), 6-8=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 2-8=12
Concentrated Loads (lb)
Vert: 9=700</p> <p>17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-9=26, 5-9=84(F=-110), 6-8=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 2-8=17
Concentrated Loads (lb)
Vert: 9=700</p> <p>18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-9=-10, 5-9=-120(F=-110), 6-8=-20
Horz: 1-2=-31, 2-3=-26, 3-4=-20, 2-8=23
Concentrated Loads (lb)
Vert: 9=700</p> <p>19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 4-9=6, 5-9=-104(F=-110), 6-8=-20
Horz: 1-2=-15, 2-3=-10, 3-4=-5, 2-8=-7
Concentrated Loads (lb)
Vert: 9=700</p> <p>20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-20, 4-9=-20, 5-9=-130(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>21) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-68, 4-9=-32, 5-9=-142(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>22) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-77, 5-9=-187(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>23) Dead: Lumber Increase=0.90, Plate Increase=0.90
Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-20, 5-9=-130(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)</p> | <p>Standard Except:</p> <p>Vert: 1-2=-27, 2-3=-31, 4-9=-42, 5-9=-152(F=-110), 6-8=-7
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-8=19
Concentrated Loads (lb)
Vert: 9=700</p> <p>25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 4-9=-31, 5-9=-141(F=-110), 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-8=-6
Concentrated Loads (lb)
Vert: 9=700</p> <p>26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 4-9=-42, 5-9=-152(F=-110), 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-8=17
Concentrated Loads (lb)
Vert: 9=700</p> <p>27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 4-9=-31, 5-9=-141(F=-110), 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-8=-5
Concentrated Loads (lb)
Vert: 9=700</p> <p>28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-9=-72, 5-9=-182(F=-110), 6-8=-7
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-8=19
Concentrated Loads (lb)
Vert: 9=700</p> <p>29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-67, 2-3=-70, 4-9=-61, 5-9=-171(F=-110), 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-8=-6
Concentrated Loads (lb)
Vert: 9=700</p> <p>30) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-9=-72, 5-9=-182(F=-110), 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-8=17
Concentrated Loads (lb)
Vert: 9=700</p> <p>31) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 4-9=-61, 5-9=-171(F=-110), 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-8=-5
Concentrated Loads (lb)
Vert: 9=700</p> <p>32) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-9=-60, 5-9=-170(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=700</p> <p>35) 3rd Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15</p> |
|--|---|---|

Continued on page 3

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R05	HALF HIP	4	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

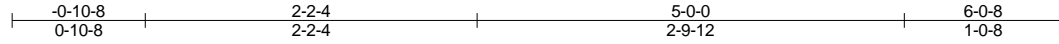
8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:05 2022 Page 3
ID:b2HFyDNcE2czSBRpPKRtye?6E-QqMTrqbDbmDuyEdL_akpeeKXvfqhTYYq33hdzQpmm

LOAD CASE(S)

- | | |
|--|--|
| <p>Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-89, 5-9=-199(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>36) 4th Unbal.Dead + Snow (balanced) + Parallel:
Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 4-9=-32, 5-9=-142(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>37) 5th Unbal.Dead + 0.75 Snow (balanced) + Parallel:
Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 4-9=-72, 5-9=-182(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>38) 6th Unbal.Dead + 0.75 Snow (balanced) + Parallel:
Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-3=-72, 4-9=-29, 5-9=-139(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>39) 7th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) Left) + Parallel: Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 4-9=-64, 5-9=-174(F=-110),
6-8=-7
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-8=19
Concentrated Loads (lb)
Vert: 9=-700</p> <p>40) 8th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) Left) + Parallel: Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 4-9=-21, 5-9=-131(F=-110),
6-8=-7
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-8=19
Concentrated Loads (lb)
Vert: 9=-700</p> <p>41) 9th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) Right) + Parallel: Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 4-9=-53, 5-9=-163(F=-110),
6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-8=6
Concentrated Loads (lb)
Vert: 9=-700</p> <p>42) 10th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) Right) + Parallel: Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 4-9=-10, 5-9=-120(F=-110),
6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-8=6
Concentrated Loads (lb)
Vert: 9=-700</p> <p>43) 11th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) 1st Parallel): Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 4-9=-64, 5-9=-174(F=-110),
6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-8=17
Concentrated Loads (lb)
Vert: 9=-700</p> <p>44) 12th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) 1st Parallel): Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 4-9=-21, 5-9=-131(F=-110),
6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-8=17</p> | <p>Concentrated Loads (lb)
Vert: 9=-700</p> <p>45) 13th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) 2nd Parallel): Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-21, 4-9=-53, 5-9=-163(F=-110),
6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-700</p> <p>46) 14th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6
MWFRS Wind (Neg. Int) 2nd Parallel): Lumber
Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-64, 4-9=-10, 5-9=-120(F=-110),
6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-700</p> <p>47) 15th Unbal.Dead + Minimum Snow + Parallel:
Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-89, 5-9=-199(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>48) 16th Unbal.Dead + Minimum Snow + Parallel:
Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 4-9=-32, 5-9=-142(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>49) 1st Dead + Roof Live (unbalanced): Lumber
Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 4-9=-20,
5-9=-130(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>50) 2nd Dead + Roof Live (unbalanced): Lumber
Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-100,
5-9=-210(F=-110), 6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>51) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber
Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 4-9=-20, 5-9=-130(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> <p>52) 4th Dead + 0.75 Roof Live (unbalanced): Lumber
Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-80, 5-9=-190(F=-110),
6-8=-20
Concentrated Loads (lb)
Vert: 9=-700</p> |
|--|--|

Job 22-2665-R01	Truss R06	Truss Type HALF HIP	Qty 9	Ply 1	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
Atlantic Building Components, Moncks Corner, South Carolina					Job Reference (optional)

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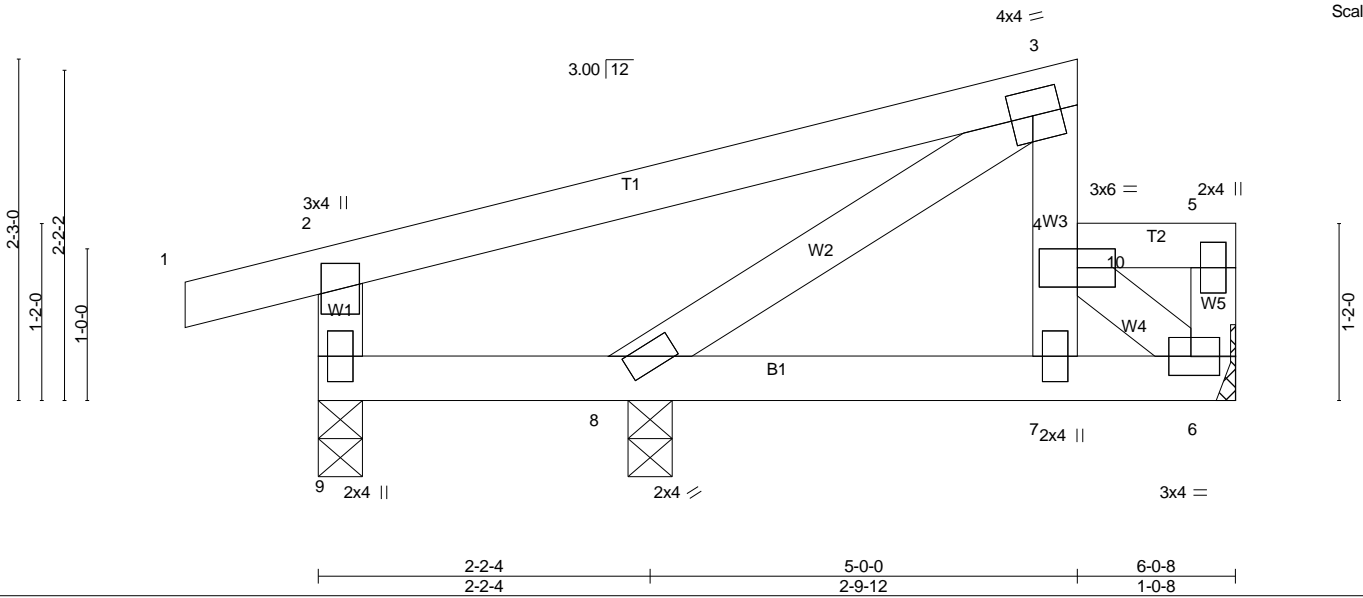


Plate Offsets (X,Y)--	[3:0-1-12,0-2-0], [6:0-1-12,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00		TC 0.91	Vert(LL) -0.00	7	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00		BC 0.31	Vert(CT) -0.02	7-8	>999		
BCLL 0.0 *	Rep Stress Incr NO		WB 0.13	Horz(CT) 0.00	6	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-SH	Wind(LL) 0.00	7	>999	Weight: 30 lb	FT = 0%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)
 6 = 842/Mechanical
 9 = 205/0-3-8 (min. 0-1-8)
 8 = 233/0-3-8 (min. 0-1-8)
 Max Horz
 9 = 84(LC 14)
 Max Uplift
 9 = -148(LC 10)
 Max Grav
 6 = 952(LC 2)
 9 = 365(LC 49)
 8 = 300(LC 7)

FORCES. (lb)
 Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 5-6=-512/0, 2-9=-385/216
 BOT CHORD
 7-8=0/296, 6-7=0/540
 WEBS
 4-6=-589/0, 3-8=-302/0

NOTES- (15-16)
 1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 3) C-C wind load user defined.
 4) TCLL: ASCE 7-16; Pr=40.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 5) Unbalanced snow loads have been considered for this design.
 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 7) Provide adequate drainage to prevent water ponding.
 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 10) Refer to girder(s) for truss to truss connections.
 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=148.
 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 13) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
 Standard Except:
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-60, 4-10=-60,
 5-10=-170(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700
 2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-2=-100, 2-3=-100, 4-10=-100,
 5-10=-210(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700
 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-2=-80, 2-3=-80, 4-10=-80,
 5-10=-190(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700
 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-50, 2-3=-50, 4-10=-50,
 5-10=-160(F=-110), 6-9=-20
 Concentrated Loads (lb)

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R06	HALF HIP	9	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:09 2022 Page 2
ID:b2HFyDNCeOE2czSBRpPKRtye?6E-Jbb_fCek_jJREXOXqfg_Uo?OX04dHZ8tS1GqOzQpmi

LOAD CASE(S)

- | | | |
|---|---|---|
| <p>Standard Except:
Concentrated Loads (lb)
Vert: 10=-700</p> <p>5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-56, 4-10=-29, 5-10=-139(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> <p>6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 4-10=-63, 5-10=-173(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> <p>7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-10=-20, 5-10=-130(F=-110), 6-9=-40
Concentrated Loads (lb)
Vert: 10=-700</p> <p>8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=56, 2-3=45, 4-10=45, 5-10=65(F=-110), 6-9=-10
Horz: 1-2=-66, 2-3=-55, 3-4=-48, 2-9=-36
Concentrated Loads (lb)
Vert: 10=-700</p> <p>9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=-44, 4-10=-44, 5-10=-154(F=-110), 6-9=-20
Horz: 1-2=-19, 2-3=24, 3-4=29, 2-9=33
Concentrated Loads (lb)
Vert: 10=-700</p> <p>10) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 4-10=10, 5-10=-100(F=-110), 6-9=-10
Horz: 1-2=-48, 2-3=-36, 3-4=9, 2-9=15
Concentrated Loads (lb)
Vert: 10=-700</p> <p>11) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 4-10=26, 5-10=-84(F=-110), 6-9=-10
Horz: 1-2=-18, 2-3=-23, 3-4=-24, 2-9=-19
Concentrated Loads (lb)
Vert: 10=-700</p> <p>12) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-10=-10, 5-10=-120(F=-110), 6-9=-20
Horz: 1-2=-31, 2-3=-26, 3-4=30, 2-9=25
Concentrated Loads (lb)
Vert: 10=-700</p> <p>13) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 4-10=6, 5-10=-104(F=-110), 6-9=-20
Horz: 1-2=-18, 2-3=-13, 3-4=-3, 2-9=-9
Concentrated Loads (lb)
Vert: 10=-700</p> <p>14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-10=10, 5-10=-100(F=-110), 6-9=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 2-9=12</p> | <p>Standard Except:
Concentrated Loads (lb)
Vert: 10=-700</p> <p>15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-10=26, 5-10=-84(F=-110), 6-9=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 2-9=-17
Concentrated Loads (lb)
Vert: 10=-700</p> <p>16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-10=10, 5-10=-100(F=-110), 6-9=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 2-9=12
Concentrated Loads (lb)
Vert: 10=-700</p> <p>17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-10=26, 5-10=-84(F=-110), 6-9=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 2-9=-17
Concentrated Loads (lb)
Vert: 10=-700</p> <p>18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-10=-10, 5-10=-120(F=-110), 6-9=-20
Horz: 1-2=-31, 2-3=-26, 3-4=-20, 2-9=23
Concentrated Loads (lb)
Vert: 10=-700</p> <p>19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 4-10=6, 5-10=-104(F=-110), 6-9=-20
Horz: 1-2=-15, 2-3=-10, 3-4=-5, 2-9=-7
Concentrated Loads (lb)
Vert: 10=-700</p> <p>20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-20, 4-10=-20, 5-10=-130(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> <p>21) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-68, 4-10=-32, 5-10=-142(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> <p>22) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-10=-77, 5-10=-187(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> <p>23) Dead: Lumber Increase=0.90, Plate Increase=0.90
Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-10=-20, 5-10=-130(F=-110), 6-9=-20
Concentrated Loads (lb)
Vert: 10=-700</p> | <p>Standard Except:
24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 4-10=-42, 5-10=-152(F=-110), 6-9=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-9=19
Concentrated Loads (lb)
Vert: 10=-700</p> <p>25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 4-10=-31, 5-10=-141(F=-110), 6-9=-20
Horz: 1-2=-13, 2-3=-19, 3-4=-3, 2-9=-6
Concentrated Loads (lb)
Vert: 10=-700</p> <p>26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 4-10=-42, 5-10=-152(F=-110), 6-9=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-9=17
Concentrated Loads (lb)
Vert: 10=-700</p> <p>27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 4-10=-31, 5-10=-141(F=-110), 6-9=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-9=-5
Concentrated Loads (lb)
Vert: 10=-700</p> <p>28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-10=-72, 5-10=-182(F=-110), 6-9=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-9=19
Concentrated Loads (lb)
Vert: 10=-700</p> <p>29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-67, 2-3=-70, 4-10=-61, 5-10=-171(F=-110), 6-9=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-9=-6
Concentrated Loads (lb)
Vert: 10=-700</p> <p>30) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-10=-72, 5-10=-182(F=-110), 6-9=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-9=17
Concentrated Loads (lb)
Vert: 10=-700</p> <p>31) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 4-10=-61, 5-10=-171(F=-110), 6-9=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-9=-5
Concentrated Loads (lb)
Vert: 10=-700</p> <p>32) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-10=-60, 5-10=-170(F=-110), 6-9=-20</p> |
|---|---|---|

Continued on page 3

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R06	HALF HIP	9	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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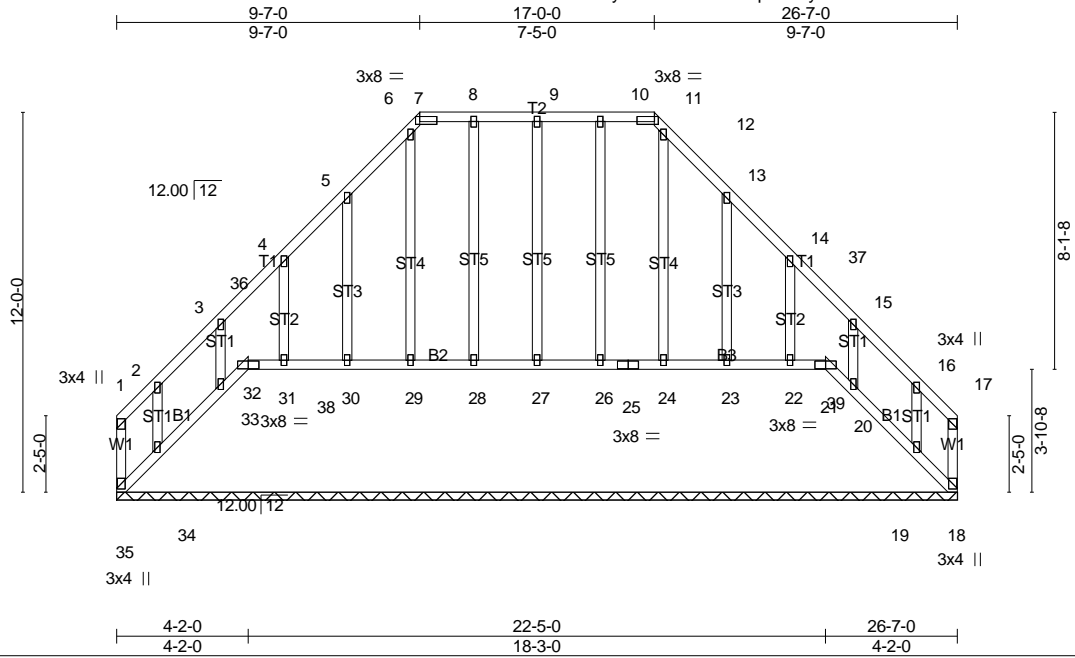
LOAD CASE(S)

- | | | |
|---|--|---|
| <p>Standard Except:
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>33) Dead + 0.6 C-C Wind Min. Down: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=6, 2-3=-26, 4-5=-26, 6-9=-10
 Horz: 1-2=-16, 2-3=16, 3-4=16, 2-9=16
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>34) Dead + 0.6 C-C Wind Min. Upward: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=6, 2-3=6, 4-5=6, 6-9=-10
 Horz: 1-2=-16, 2-3=-16, 3-4=-16, 2-9=-16
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>35) 3rd Unbal. Dead + Snow (balanced) + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-32, 2-3=-32, 4-10=-89, 5-10=-199(F=-110)
 , 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>36) 4th Unbal. Dead + Snow (balanced) + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-89, 2-3=-89, 4-10=-32, 5-10=-142(F=-110)
 , 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>37) 5th Unbal. Dead + 0.75 Snow (balanced) + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-29, 2-3=-29, 4-10=-72, 5-10=-182(F=-110)
 , 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>38) 6th Unbal. Dead + 0.75 Snow (balanced) + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-72, 2-3=-72, 4-10=-29, 5-10=-139(F=-110)
 , 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>39) 7th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-6, 2-3=-10, 4-10=-64, 5-10=-174(F=-110),
 6-9=-20
 Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-9=19
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>40) 8th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-49, 2-3=-53, 4-10=-21, 5-10=-131(F=-110)
 , 6-9=-20
 Horz: 1-2=-23, 2-3=-19, 3-4=23, 2-9=19
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>41) 9th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-16, 2-3=-19, 4-10=-53, 5-10=-163(F=-110)
 , 6-9=-20
 Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-9=-6
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>42) 10th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)</p> | <p>Vert: 1-2=-58, 2-3=-62, 4-10=-10,
 5-10=-120(F=-110), 6-9=-20
 Horz: 1-2=-13, 2-3=-10, 3-4=-3, 2-9=-6
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>43) 11th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) 1st Parallel): Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-6, 2-3=-10, 4-10=-64,
 5-10=-174(F=-110), 6-9=-20
 Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-9=17
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>44) 12th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) 1st Parallel): Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-49, 2-3=-53, 4-10=-21,
 5-10=-131(F=-110), 6-9=-20
 Horz: 1-2=-23, 2-3=-19, 3-4=-15, 2-9=17
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>45) 13th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-18, 2-3=-21, 4-10=-53,
 5-10=-163(F=-110), 6-9=-20
 Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-9=-5
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>46) 14th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6
 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber
 Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-3=-64, 4-10=-10,
 5-10=-120(F=-110), 6-9=-20
 Horz: 1-2=-11, 2-3=-8, 3-4=-4, 2-9=-5
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>47) 15th Unbal. Dead + Minimum Snow + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-32, 2-3=-32, 4-10=-89,
 5-10=-199(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>48) 16th Unbal. Dead + Minimum Snow + Parallel:
 Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-89, 2-3=-89, 4-10=-32,
 5-10=-142(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>49) 1st Dead + Roof Live (unbalanced): Lumber
 Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-2=-100, 2-3=-100, 4-10=-20,
 5-10=-130(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>50) 2nd Dead + Roof Live (unbalanced): Lumber
 Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-2=-20, 2-3=-20, 4-10=-100,
 5-10=-210(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>51) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber
 Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-2=-80, 2-3=-80, 4-10=-20,
 5-10=-130(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> <p>52) 4th Dead + 0.75 Roof Live (unbalanced): Lumber
 Increase=1.00, Plate Increase=1.00</p> | <p>Uniform Loads (plf)
 Vert: 1-2=-20, 2-3=-20, 4-10=-80,
 5-10=-190(F=-110), 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=-700</p> |
|---|--|---|

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R07	Piggyback Base Supported Gable	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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 ID:b2HFyDNcEOE2czSBRpPKRtye?6E-fZotiwitUXLcX?QMKNFrhYvXPYhBIXzt0k1VczQpmd



Scale = 1:72.8

LOADING (psf)	SPACING-	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.57	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.51	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.25	Horz(CT)	-0.01	18	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-R						
							Weight: 197 lb	FT = 0%

LUMBER-

- TOP CHORD 2x4 SP No.2
- BOT CHORD 2x4 SP No.3
- 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 10-0-0 oc bracing, Except: 8-7-7 oc bracing: 34-35 6-0-0 oc bracing: 32-33,20-21.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 26-7-0.

- (lb) - Max Horz 35= 295(LC 9) Max Uplift All uplift 100 lb or less at joint(s) 27, 28, 33, 26, 20 except 35=557(LC 8), 18=245(LC 9), 32=148(LC 11), 21=-116(LC 11), 30=-130(LC 12), 31=-102(LC 12), 34=-388(LC 9), 23=-130(LC 13), 22=-101(LC 13), 19=-369(LC 8) Max Grav All reactions 250 lb or less at joint(s) 32, 21, 27, 28, 31, 33, 26, 22, 20 except 35=590(LC 11), 18=278(LC 10), 29=307(LC 22), 30=280(LC 19), 34=464(LC 10), 24=306(LC 21), 23=280(LC 20), 19=445(LC 11)

FORCES. (lb)

- Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- TOP CHORD 1-35=-271/253, 1-2=-277/266,

TOP CHORD

- 1-35=-271/253, 1-2=-277/266, 4-36=-138/256, 4-5=-215/351, 5-6=-285/468, 6-7=-184/285, 7-8=-209/358, 8-9=-209/358, 9-10=-209/358, 10-11=-209/358, 11-12=-184/285, 12-13=-285/468, 13-14=-215/351, 14-37=-138/256, 16-17=-261/250, 17-18=-255/237

BOT CHORD

- 34-35=-334/328

NOTES- (15-16)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-1-12 to 4-11-6, Corner(3R) 4-11-6 to 21-7-10, Corner(3E) 21-7-10 to 26-5-4 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 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.

10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 27, 28, 33, 26, 20 except (jt=lb) 35=557, 18=245, 32=148, 21=116, 30=130, 31=102, 34=388, 23=130, 22=101, 19=369.

13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 32, 21, 27, 28, 29, 30, 31, 33, 34, 26, 24, 23, 22, 20, 19.

14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.

16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

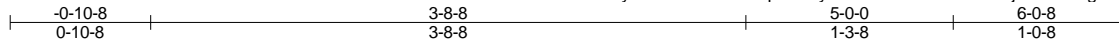
LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R08	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:18 2022 Page 1
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5x8 =

Scale = 1:14.4

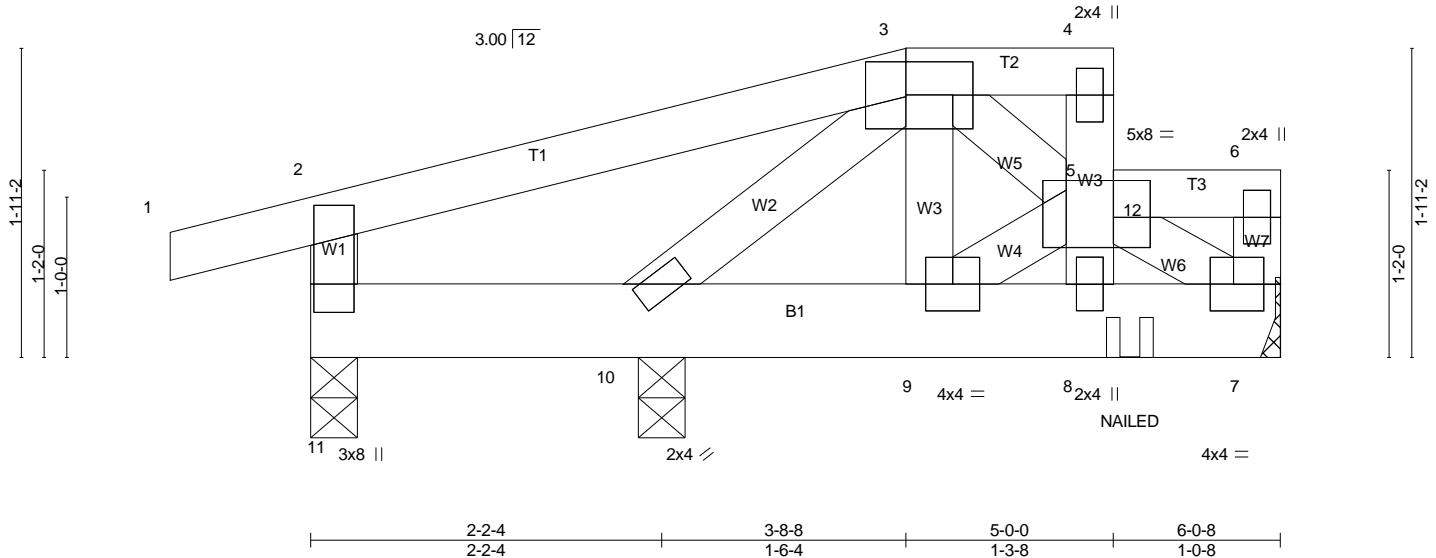


Plate Offsets (X,Y)-- [3:0-5-0,0-2-8], [5:0-2-12,0-2-12], [7:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 2-0-0	TC 0.55	Vert(LL) 0.00	9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.31	Vert(CT) -0.01	9	>999	360		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.20	Horz(CT) 0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P					Weight: 36 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 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 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

7 =	958/Mechanical
11 =	165/0-3-8 (min. 0-1-8)
10 =	369/0-3-8 (min. 0-1-8)
Max Horz	
11 =	63(LC 12)
Max Uplift	
11 =	-108(LC 59)
Max Grav	
7 =	1034(LC 76)
11 =	280(LC 55)
10 =	425(LC 2)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
5-8=-312/76, 6-7=-354/0, 2-11=-295/96
BOT CHORD
9-10=-21/343, 8-9=0/669, 7-8=0/713
WEBS
3-10=-457/0, 3-9=0/367, 3-5=-392/8,
5-9=-410/0, 5-7=-896/0

NOTES- (15-16)

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=40.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=108.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

- 13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

- Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700
 - 2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-4=-100, 5-12=-100, 6-12=-210, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-161(F) 12=-700
 - 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-4=-80, 5-12=-80, 6-12=-190, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-139(F) 12=-700
 - 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R08	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8,430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:18 2022 Page 2
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LOAD CASE(S)

- | Standard | Standard | Standard |
|--|---|---|
| Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-50, 3-4=-50, 5-12=-50, 6-12=-160, 7-11=-20 | Vert: 1-2=5, 2-3=10, 3-4=10, 5-12=26, 6-12=-84, 7-11=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-11=-17
Drag: 3-4=-0 | Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-31, 5-12=-42, 6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=-0 |
| Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-56, 3-4=-56, 5-12=-29, 6-12=-139, 7-11=-20 | 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-12=10, 6-12=-100, 7-11=-10
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-11=12
Drag: 3-4=-0 | 23) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 3-4=-31, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=-0 |
| 6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-50, 5-12=-50, 6-12=-160, 7-11=-20 | Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-20, 5-12=-20, 6-12=-130, 7-11=-40 | 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 3-4=10, 5-12=26, 6-12=-84, 7-11=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-11=-17
Drag: 3-4=-0 | 24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-42, 5-12=-42, 6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17
Drag: 3-4=-0 |
| Concentrated Loads (lb)
Vert: 8=94(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 3-4=26, 5-12=10, 6-12=-100, 7-11=-10 | 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=-10, 5-12=-10, 6-12=-120, 7-11=-20
Horz: 1-2=-31, 2-3=-26, 4-5=-20, 2-11=23
Drag: 3-4=-0 | 25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 3-4=-42, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=-0 |
| Horz: 1-2=-48, 2-3=-36, 4-5=9, 2-11=15
Drag: 3-4=-0 | Concentrated Loads (lb)
Vert: 8=322(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 3-4=-10, 5-12=6, 6-12=-104, 7-11=-20
Horz: 1-2=-15, 2-3=-10, 4-5=-5, 2-11=-7
Drag: 3-4=-0 | 26) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-61, 5-12=-72, 6-12=-182, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=-0 |
| 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 3-4=26, 5-12=26, 6-12=-84, 7-11=-10 | Concentrated Loads (lb)
Vert: 8=322(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=202(F) 12=-700 |
| Horz: 1-2=-18, 2-3=-23, 4-5=-24, 2-11=-19
Drag: 3-4=-0 | 18) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-20, 3-4=-20, 5-12=-20, 6-12=-130, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-52(F) 12=-700 | 27) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-67, 2-3=-70, 3-4=-61, 5-12=-61, 6-12=-171, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=-0 |
| Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=202(F) 12=-700 |
| 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=6, 5-12=-10, 6-12=-120, 7-11=-20 | 19) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-68, 3-4=-68, 5-12=-32, 6-12=-142, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-72, 5-12=-72, 6-12=-182, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17
Drag: 3-4=-0 |
| Horz: 1-2=-31, 2-3=-26, 4-5=30, 2-11=25
Drag: 3-4=-0 | 20) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-60, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | Concentrated Loads (lb)
Vert: 8=202(F) 12=-700 |
| Concentrated Loads (lb)
Vert: 8=322(F) 12=-700 | 21) Dead: Lumber Increase=0.90, Plate Increase=0.90
Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-20, 5-12=-20, 6-12=-130, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-72(F) 12=-700 | 29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 3-4=-72, 5-12=-61, 6-12=-171, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=-0 |
| 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 3-4=6, 5-12=6, 6-12=-104, 7-11=-20 | 22) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 | Concentrated Loads (lb)
Vert: 8=202(F) 12=-700 |
| Horz: 1-2=-18, 2-3=-13, 4-5=-3, 2-11=-9
Drag: 3-4=-0 | | |
| Concentrated Loads (lb)
Vert: 8=322(F) 12=-700 | | |
| 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-12=10, 6-12=-100, 7-11=-10 | | |
| Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-11=12
Drag: 3-4=-0 | | |
| Concentrated Loads (lb)
Vert: 8=313(F) 12=-700 | | |
| 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf) | | |

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R08	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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LOAD CASE(S)

- | Standard | Standard | Standard |
|---|--|---|
| 30) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 41) 11th Unbal.Death + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-76, 5-12=-32, 6-12=-142, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 50) 20th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-42, 5-12=-42, 6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 31) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-12, 3-4=-10, 5-12=-10, 6-12=-120, 7-11=-10
Horz: 2-3=2, 4-5=8, 2-11=16
Concentrated Loads (lb)
Vert: 8=246(F) 12=-700 | 42) 12th Unbal.Death + Snow (Unbal. Right) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-32, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 51) 21st Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-21, 3-4=-64, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 32) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-10, 3-4=-10, 5-12=-10, 6-12=-120, 7-11=-10
Concentrated Loads (lb)
Vert: 8=-81(F) 12=-700 | 43) 13th Unbal.Death + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-72, 5-12=-50, 6-12=-160, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 52) 22nd Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-64, 3-4=-42, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 |
| 33) 3rd Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-50, 5-12=-29, 6-12=-139, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 44) 14th Unbal.Death + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-3=-72, 3-4=-50, 5-12=-50, 6-12=-160, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 53) 23rd Unbal.Death + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-89, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 |
| 34) 4th Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-58, 3-4=-29, 5-12=-29, 6-12=-139, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 45) 15th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-53, 5-12=-42, 6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 | 54) 24th Unbal.Death + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 3-4=-60, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 |
| 35) 5th Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-62, 5-12=-29, 6-12=-139, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 46) 16th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-31, 5-12=-42, 6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 | 55) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-4=-100, 5-12=-20, 6-12=-130, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-161(F) 12=-700 |
| 36) 6th Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 3-4=-29, 5-12=-50, 6-12=-160, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-165(F) 12=-700 | 47) 17th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 3-4=-53, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 | 56) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-100, 5-12=-100, 6-12=-210, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-161(F) 12=-700 |
| 37) 7th Unbal.Death + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 3-4=-89, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 48) 18th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 3-4=-31, 5-12=-31, 6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=-0
Concentrated Loads (lb)
Vert: 8=195(F) 12=-700 | 57) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-4=-80, 5-12=-20, 6-12=-130, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-139(F) 12=-700 |
| 38) 8th Unbal.Death + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 3-4=-60, 5-12=-60, 6-12=-170, 7-11=-20
Concentrated Loads (lb)
Vert: 8=-196(F) 12=-700 | 49) 19th Unbal.Death + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-71, 2-3=-71, 3-4=-32, 5-12=-32, 6-12=-142, 7-11=-20
Concentrated Loads (lb) | 58) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-4=-80, 5-12=-80, 6-12=-190, 7-11=-20
Concentrated Loads (lb) |

Continued on page 4

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R08	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:19 2022 Page 4
ID:b2HFYDNCEOE2czSBRpPKRtye?6E-0WCmmdl0I3_uemlJ7xq0ObDoVZRZuo3cA0SoApzQpmY

LOAD CASE(S)

- | Standard | Standard | Standard |
|---|--|---|
| Concentrated Loads (lb)
Vert: 8=-139(F) 12=-700 | Vert: 8=-300(F) 12=-700 | Vert: 1-2=-67, 2-3=-70, 3-4=-61, 5-12=-61,
6-12=-171, 7-11=-20 |
| 59) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 3-4=26, 5-12=10, 6-12=-100,
7-11=-10
Horz: 1-2=-48, 2-3=-36, 4-5=9, 2-11=15
Drag: 3-4=0 | 67) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=-10, 5-12=-10, 6-12=-120,
7-11=-20
Horz: 1-2=-31, 2-3=-26, 4-5=-20, 2-11=23
Drag: 3-4=0 | 75) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-72, 5-12=-72,
6-12=-182, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17
Drag: 3-4=0 |
| 60) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 3-4=26, 5-12=26, 6-12=-84,
7-11=-10
Horz: 1-2=-18, 2-3=-23, 4-5=-24, 2-11=-19
Drag: 3-4=0 | 68) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 3-4=-10, 5-12=6, 6-12=-104,
7-11=-20
Horz: 1-2=-15, 2-3=-10, 4-5=-5, 2-11=-7
Drag: 3-4=0 | 76) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 3-4=-72, 5-12=-61,
6-12=-171, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=0 |
| 61) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal)
Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 3-4=6, 5-12=-10, 6-12=-120,
7-11=-20
Horz: 1-2=-31, 2-3=-26, 4-5=30, 2-11=25
Drag: 3-4=0 | 69) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-31, 5-12=-42,
6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=0 | 77) Reversal: Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-10, 2-3=-12, 3-4=-10, 5-12=-10,
6-12=-120, 7-11=-10
Horz: 2-3=2, 4-5=8, 2-11=16
Concentrated Loads (lb)
Vert: 8=-232(F) 12=700 |
| 62) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal)
Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 3-4=6, 5-12=6, 6-12=-104,
7-11=-20
Horz: 1-2=-18, 2-3=-13, 4-5=-3, 2-11=-9
Drag: 3-4=0 | 70) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 3-4=-31, 5-12=-31,
6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=0 | 78) Reversal: 15th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 3-4=-53, 5-12=-42,
6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=0 |
| 63) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-12=10, 6-12=-100,
7-11=-10
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-11=12
Drag: 3-4=0 | 71) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 3-4=-42, 5-12=-42,
6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17
Drag: 3-4=0 | 79) Reversal: 16th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 3-4=-31, 5-12=-42,
6-12=-152, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=0 |
| 64) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 3-4=10, 5-12=26, 6-12=-84,
7-11=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-11=-17
Drag: 3-4=0 | 72) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 3-4=-42, 5-12=-31,
6-12=-141, 7-11=-20
Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5
Drag: 3-4=0 | 80) Reversal: 17th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 3-4=-53, 5-12=-31,
6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=0 |
| 65) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 3-4=10, 5-12=10, 6-12=-100,
7-11=-10
Horz: 1-2=-31, 2-3=-36, 4-5=-41, 2-11=12
Drag: 3-4=0 | 73) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 3-4=-61, 5-12=-72,
6-12=-182, 7-11=-20
Horz: 1-2=-23, 2-3=-19, 4-5=23, 2-11=19
Drag: 3-4=0 | 81) Reversal: 18th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 3-4=-31, 5-12=-31,
6-12=-141, 7-11=-20
Horz: 1-2=-13, 2-3=-10, 4-5=-3, 2-11=-6
Drag: 3-4=0 |
| 66) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal)
4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 3-4=10, 5-12=26, 6-12=-84,
7-11=-10
Horz: 1-2=-15, 2-3=-20, 4-5=-26, 2-11=-17
Drag: 3-4=0 | 74) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 8=-282(F) 12=700 | 82) Reversal: 19th Unbal. Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 |

Continued on page 5

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R08	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:19 2022 Page 5
 ID:b2HFyDNcEOE2czSBRpPKRtye?6E-0WCmmdl0I3_uemlJ7xq0ObDoVZRUzo3cA0SoApzQpmY

LOAD CASE(S)

Standard

Uniform Loads (plf)

Vert: 1-2=-6, 2-3=-10, 3-4=-64, 5-12=-42, 6-12=-152,

7-11=-20

Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(F) 12=-700

83) Reversal: 20th Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-49, 2-3=-53, 3-4=-42, 5-12=-42,

6-12=-152, 7-11=-20

Horz: 1-2=-23, 2-3=-19, 4-5=-15, 2-11=17

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(F) 12=-700

84) Reversal: 21st Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-18, 2-3=-21, 3-4=-64, 5-12=-31,

6-12=-141, 7-11=-20

Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5

Drag: 3-4=0

Concentrated Loads (lb)

Vert: 8=-298(F) 12=-700

85) Reversal: 22nd Unbal.Dead + 0.75 Snow (unbal.) +

0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-61, 2-3=-64, 3-4=-42, 5-12=-31,

6-12=-141, 7-11=-20

Horz: 1-2=-11, 2-3=-8, 4-5=-4, 2-11=-5

Drag: 3-4=0

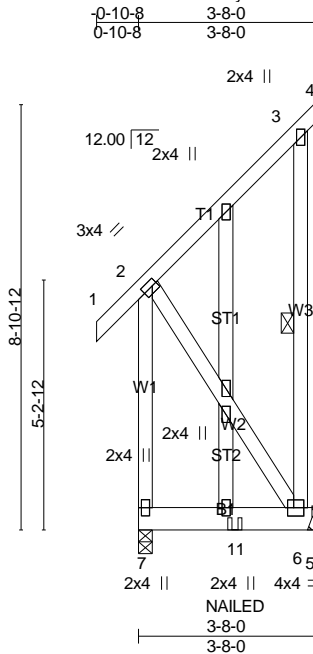
Concentrated Loads (lb)

Vert: 8=-298(F) 12=-700

Job	Truss	Truss Type	Qty	Ply	LOT 50 CROSSING @ ANDERSON CREEK 125 PINNACLE DRIVE SPRING
22-2665-R01	R09	Jack-Closed Girder	2	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:14:22 2022 Page 1
 ID:b2HFyDNCeOE2czSBRpPKRtye?6E-Q5tuOfoub_MTVE1uo3Oj0ErNXmUqA9o2s_hSn8zQpmV



Scale: 1/4"=1'

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.30	Vert(LL)	-0.00	6-7	>999	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.14	Vert(CT)	-0.01	6-7	>999		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.13	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P						
							Weight: 55 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD
 Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals.

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

WEBS
 1 Row at midpt 3-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size)

6 = 214/Mechanical
 7 = 252/0-3-8 (min. 0-1-8)
 Max Horz
 7 = 179(LC 7)
 Max Uplift
 6 = -304(LC 10)
 7 = -99(LC 8)
 Max Grav
 6 = 337(LC 38)
 7 = 280(LC 39)

FORCES. (lb)

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

NOTES- (13-14)

1) Wind: ASCE 7-16; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60

- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 5) Gable studs spaced at 2-0-0 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 6=304.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

- 13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

- Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
 Concentrated Loads (lb)
 Vert: 11=-123(B)