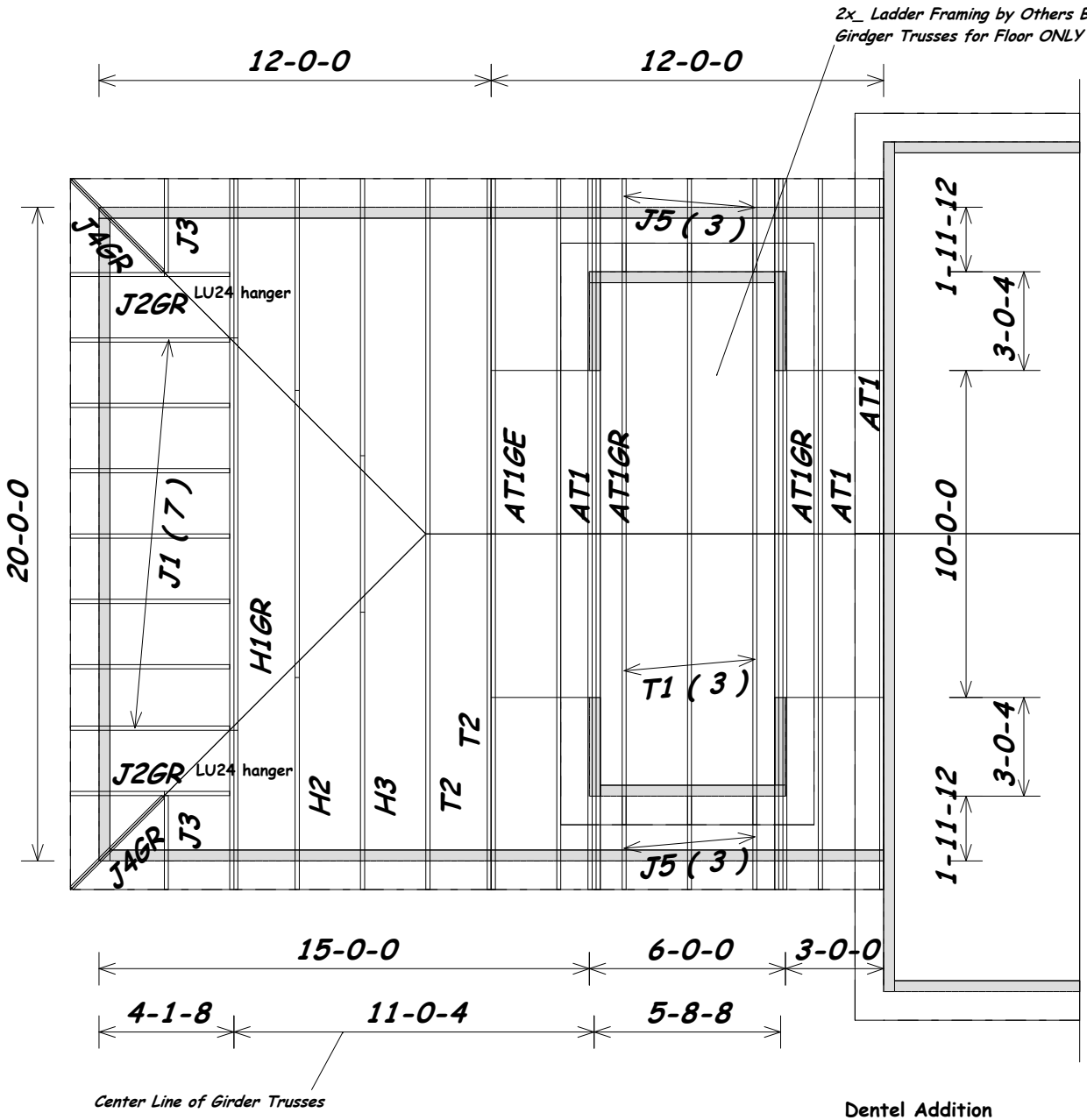

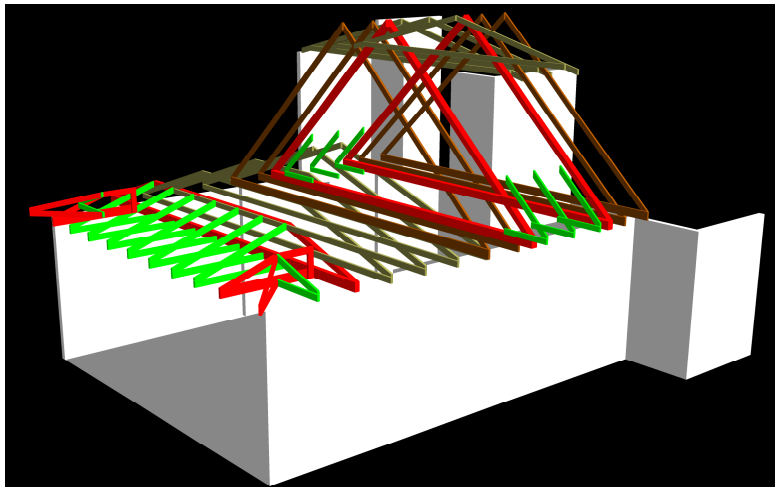

EXISTING HOUSE

Dentel Addition
102 Raven Road
Stephen's City, VA 22655

Revised 10/10/16

** Framer to Field Frame 2x4 Dormer Rake Walls on Top of Attic Girder Trusses and Frame Out for Gable Ends on Roof.*

1st Floor 8' - 1 1/8" plate height
Dormer 16' - 3/8" plate heitht

Job	Truss	Truss Type	Qty	Ply	
DENTEL	AT1	ROOF TRUSS	3	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:02 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-9KV4Dp981wR?K2tQn?zqbskWsIro75?zHinLNNyUpqZ

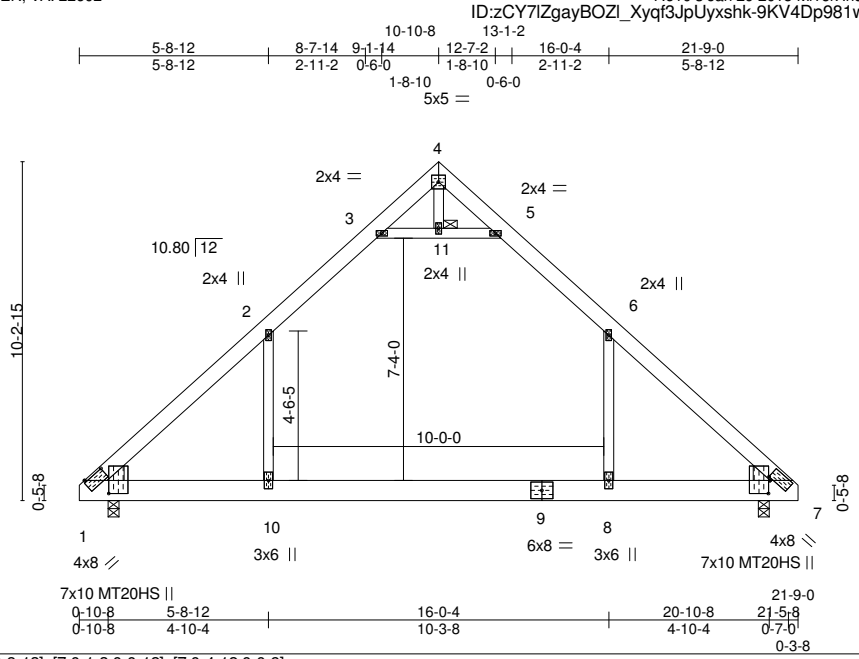

Plate Offsets (X,Y)-- [1:0-7-5,0-0-12], [1:0-4-12,0-8-13], [7:0-1-3,0-0-12], [7:0-4-12,0-0-9]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	23.2	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.30	8-10	>852	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.86	Vert(TL)	-0.49	8-10	>530	240	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	7	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)		Attic	-0.17	8-10	723	360	Weight: 158 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2,
Right: 2x6 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS
1 Brace at Jt(s): 11

REACTIONS. (lb/size)
1 = 919/0-4-0 (min. 0-1-8)
7 = 919/0-4-0 (min. 0-1-8)
Max Horz
1 = -137(LC 8)
Max Grav
1 = 1128(LC 20)
7 = 1128(LC 21)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-1369/267, 2-3=-836/110, 3-4=-38/308, 4-5=-38/308, 5-6=-836/110, 6-7=-1369/267
BOT CHORD
1-1=-27/535, 1-10=0/836, 9-10=0/837, 8-9=0/837, 7-8=0/836
WEBS
3-11=-1212/207, 5-11=-1212/207, 6-8=0/653, 2-10=0/653

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=23.2 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) All plates are MT20 plates unless otherwise indicated.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-11, 5-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 8-10
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Attic room checked for L/360 deflection.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	AT1GE	GABLE	1	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:03 2016 Page 1

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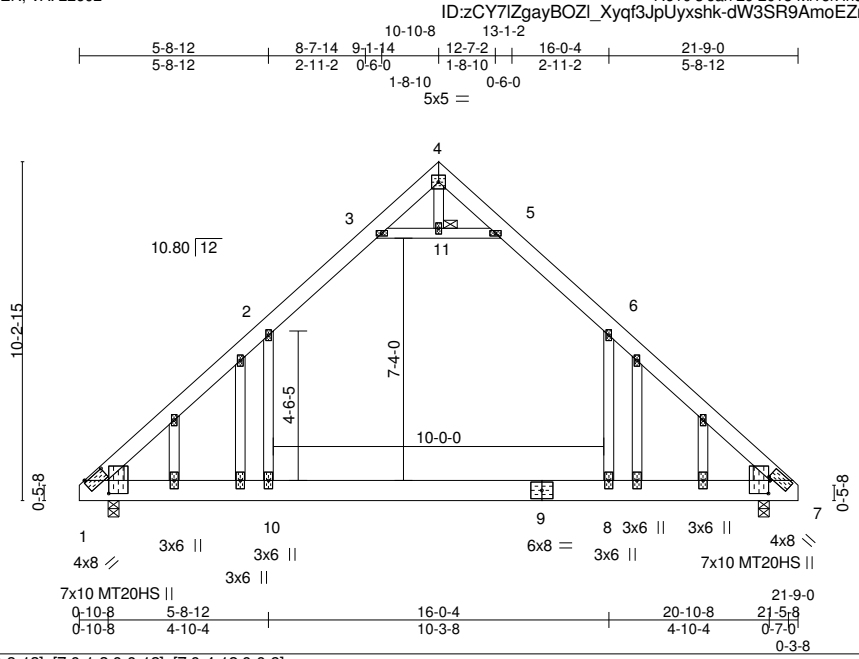

Plate Offsets (X,Y)-- [1:0-7-5,0-0-12], [1:0-4-12,0-8-13], [7:0-1-3,0-0-12], [7:0-4-12,0-0-9]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	23.2	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.30	8-10	>852	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.86	Vert(TL)	-0.49	8-10	>530	240	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	7	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)		Attic	-0.17	8-10	723	360	Weight: 175 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2,
Right: 2x6 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS
1 Brace at Jt(s): 11

REACTIONS. (lb/size)
1 = 919/0-4-0 (min. 0-1-8)
7 = 919/0-4-0 (min. 0-1-8)
Max Horz
1 = -137(LC 8)
Max Grav
1 = 1128(LC 20)
7 = 1128(LC 21)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-1369/267, 2-3=-836/110, 3-4=-38/308, 4-5=-38/308, 5-6=-836/110, 6-7=-1369/267
BOT CHORD
1-1=-27/535, 1-10=0/836, 9-10=0/837, 8-9=0/837, 7-8=0/836
WEBS
3-11=-1212/207, 5-11=-1212/207, 6-8=0/653, 2-10=0/653

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) "Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Blue Ridge Truss & Supply ""Standard Gable End Detail"""
3) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=23.2 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Roof design snow load has been reduced to account for slope.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-11, 5-11
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 8-10
12) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
15) Attic room checked for L/360 deflection.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	AT1GR	ROOF TRUSS	2	3	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:03 2016 Page 1

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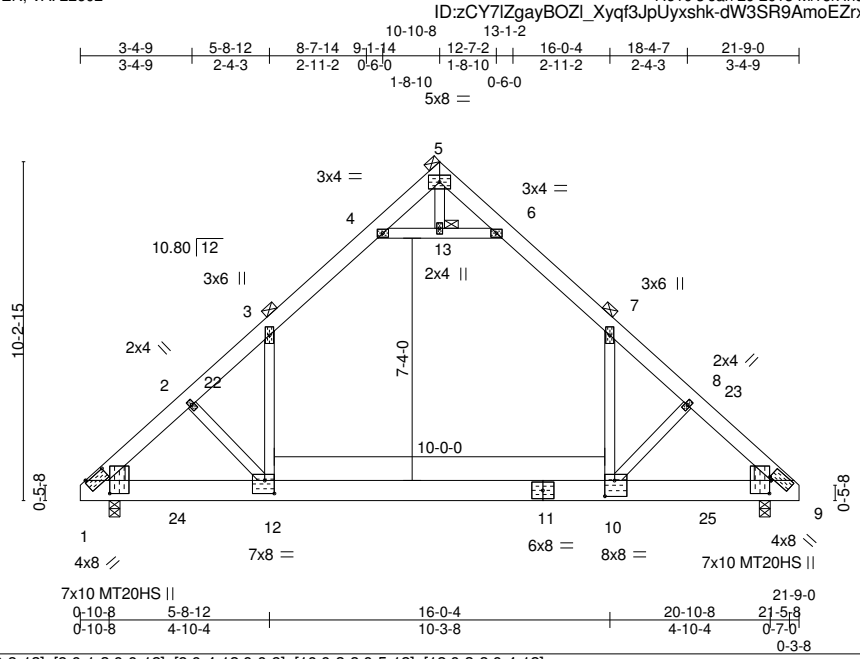


Plate Offsets (X,Y)-- [1:0-7-5,0-0-12], [1:0-4-12,0-8-13], [9:0-1-3,0-0-12], [9:0-4-12,0-0-9], [10:0-3-8,0-5-12], [12:0-3-8,0-4-12]

LOADING (psf)		**SPACING-**	3-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	23.2	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.36	10-12	>722	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.75	Vert(TL)	-0.58	10-12	>440	240	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.02	9	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)		Attic	-0.18	10-12	697	360	Weight: 502 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x8 SP DSS *Except*
B2: 2x8 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2,
Right: 2x6 SP No.2

BRACING-
TOP CHORD
6-0-0 oc bracing
(Switched from sheeted: Spacing > 2-0-0). Except:
6-0-0 oc bracing: 5-16, 5-20
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS
1 Brace at Jt(s): 5, 13

REACTIONS. (lb/size)
1 = 3421/0-4-0 (min. 0-1-11)
9 = 3421/0-4-0 (min. 0-2-0)
Max Horz
1 = 206(LC 7)
Max Grav
1 = 5043(LC 16)
9 = 5043(LC 17)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-22=-6259/26, 2-22=-6177/0, 2-3=-6055/0, 3-4=-3398/0, 4-5=-0/1672, 5-6=-3/1668, 6-7=-3401/0, 7-8=-6020/0, 8-23=-6141/0, 9-23=-6223/0
BOT CHORD
1-1=0/2319, 1-24=0/4292, 12-24=0/4292, 11-12=0/3583, 10-11=0/3583, 10-25=0/4130, 9-25=0/4130
WEBS
4-13=-5847/0, 6-13=-5847/0, 7-10=0/3291, 8-10=-979/120, 3-12=0/3348, 2-12=-1059/112, 5-13=0/257

NOTES-
1) "3-plies. Nail together with 10d (0.131"x3") nails as follows: "
"Top chords nailed as follows: " 2x6 - 2 rows staggered at 0-9-0 oc.
"Bottom chords nailed as follows: " 2x8 - 2 rows staggered at 0-9-0 oc.
"Webs nailed as follows: "2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=23.2 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
5) Roof design snow load has been reduced to account for slope.
6) All plates are MT20 plates unless otherwise indicated.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-13, 6-13
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
11) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Attic room checked for L/360 deflection.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Standard
Vert: 16-22=-100, 3-22=-220, 3-4=-235, 4-5=-100, 5-6=-100, 6-7=-235, 7-23=-220, 20-23=-100, 1-24=-30, 24-25=-195(F=-165), 9-25=-30, 4-6=-15

Job	Truss	Truss Type	Qty	Ply	
DENTEL	H1GR	ROOF TRUSS	1	2	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:05 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-ZvBCsqB0KrpZBWc?S7WXDVMABWyfKSqPzg??_hyUpqW

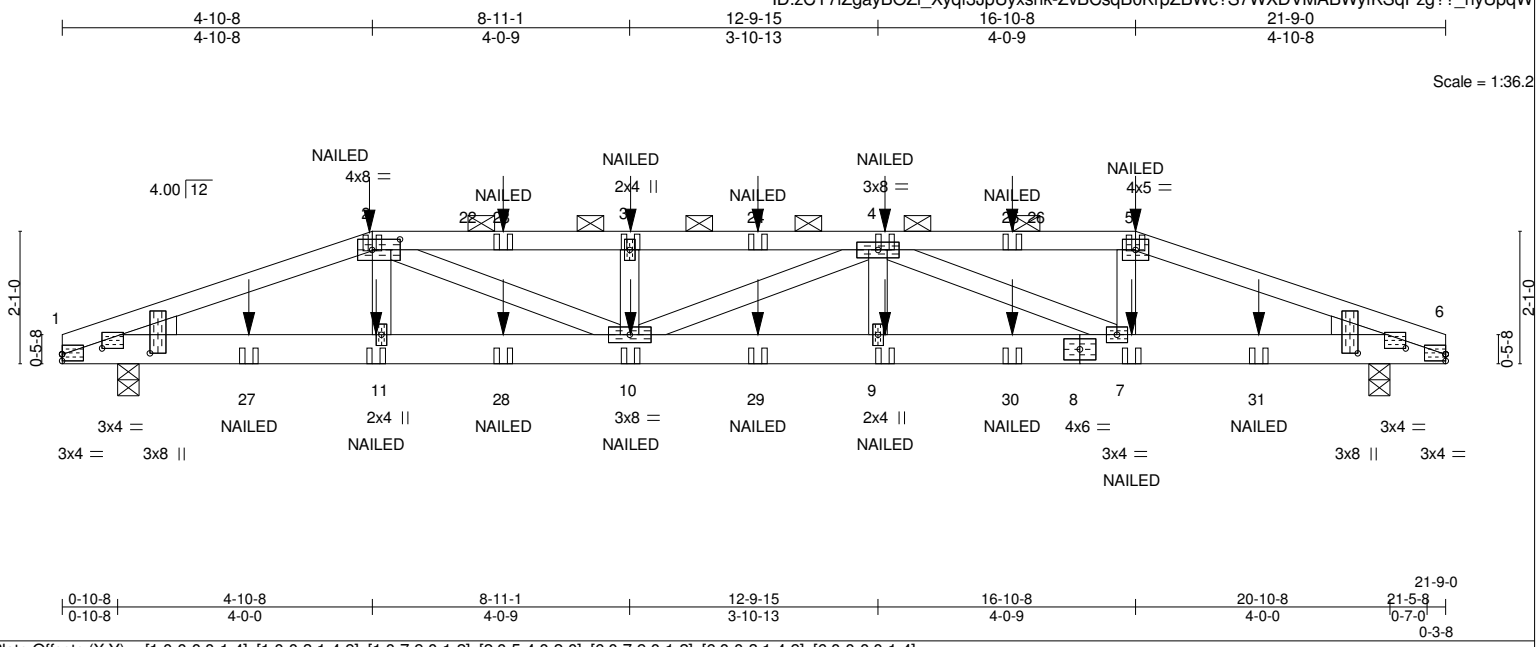


Plate Offsets (X,Y)-- [1:0-0-0,0-1-4], [1:0-0-3,1-4-9], [1:0-7-9,0-1-2], [2:0-5-4,0-2-0], [6:0-7-9,0-1-2], [6:0-0-3,1-4-9], [6:0-0-0,1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9 **	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.10	9-10	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.46	Vert(TL)	-0.21	9-10	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 224 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2,
Right: 2x4 SP No.2
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 2-5.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
1 = 1465/0-4-0 (min. 0-1-8)
6 = 1467/0-4-0 (min. 0-1-8)
Max Horz
1 = 13(LC 14)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-1=-1309/0, 1-2=-2757/0, 2-22=-3912/0, 22-23=-3912/0, 3-23=-3912/0, 3-24=-3912/0, 4-24=-3912/0, 4-25=-2591/0, 25-26=-2591/0, 5-26=-2591/0, 5-6=-2731/0
BOT CHORD
1-12=0/1208, 1-27=0/2568, 11-27=0/2568, 11-28=0/2568, 10-28=0/2568, 10-29=0/3985, 9-29=0/3985, 9-30=0/3985, 8-30=0/3985, 7-8=0/3985, 7-31=0/2543, 6-31=0/2543
WEBS
2-10=0/1459, 3-10=-470/54, 4-9=0/258, 4-7=-1540/0, 5-7=0/574

NOTES-
1) "2-plies. Nail together with 10d (0.131"x3") nails as follows: "
"Top chords nailed as follows: " 2x4 - 1 row at 0-9-0 oc.
"Bottom chords nailed as follows: " 2x6 - 2 rows staggered at 0-9-0 oc.
"Webs nailed as follows: "2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) ** TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps= varies (min. roof snow=26.9 psf) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0, Lu left =10-10-8, Lu right =10-10-8
5) Roof design snow load has been reduced to account for slope.
6) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails. For more details refer to MiTek's ST-TOENAIL Detail.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-74, 2-5=-74, 5-6=-74, 12-17=-20
Concentrated Loads (lb)
Vert: 2=-57(F) 5=-57(F) 11=-32(F) 10=-32(F) 3=-57(F) 9=-32(F) 7=-32(F) 4=-57(F) 23=-57(F) 24=-57(F) 25=-57(F) 27=-134(F) 28=-32(F) 29=-32(F) 30=-32(F) 31=-134(F)

Job	Truss	Truss Type	Qty	Ply	
DENTEL	H2	ROOF TRUSS	1	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:06 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-15ka3ACe59xQogBC0q1mlivCQvCn3uYZCKlYW8yUpqV

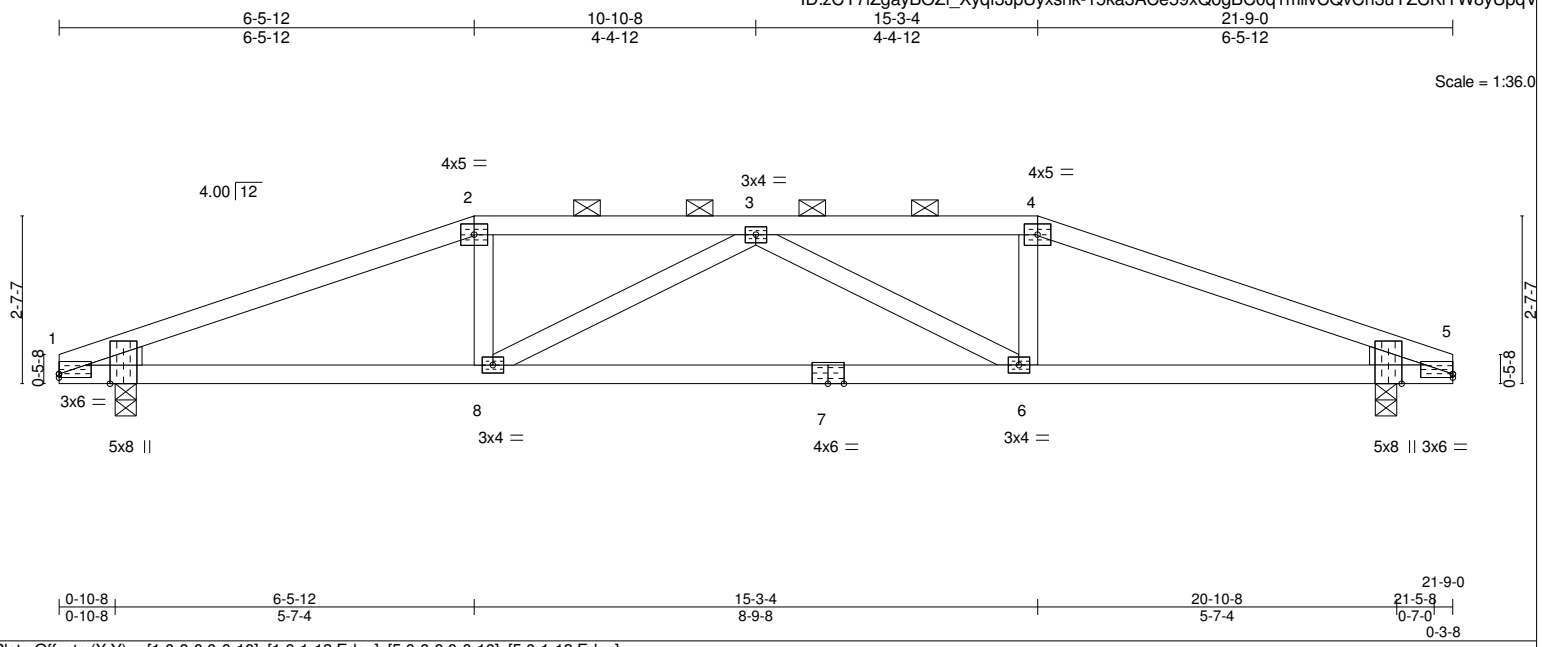


Plate Offsets (X,Y)-- [1:0-0-0,0-0-10], [1:0-1-13,Edge], [5:0-0-0,0-0-10], [5:0-1-13,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9 **	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.19	6-8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.85	Vert(TL)	-0.57	6-8	>456	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.07	5	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 88 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2,
Right: 2x4 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-10-6 oc purlins, except 2-0-0 oc purlins (3-11-15 max.): 2-4.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
1 = 1021/0-4-0 (min. 0-1-8)
5 = 1021/0-4-0 (min. 0-1-8)
Max Horz
1 = 17(LC 18)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-1=-395/0, 1-2=-1811/152, 2-3=-1656/159, 3-4=-1656/159, 4-5=-1811/152
BOT CHORD
1-9=-60/528, 1-8=-90/1637, 7-8=-165/2007, 6-7=-165/2007, 5-6=-90/1637
WEBS
2-8=0/354, 3-8=-508/88, 3-6=-508/88, 4-6=0/354

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) ** TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps= varies (min. roof snow=26.9 psf) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu left =10-10-8, Lu right =10-10-8
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) The loading on this truss has been modified to reflect the roof profile, the ridgeline is located 10-10-8 from joint 1 and has a slope of 4.000 on the left and -4.000 on the right.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-74, 2-4=-74, 4-5=-74, 9-14=-20

Job	Truss	Truss Type	Qty	Ply	
DENTEL	H3	ROOF TRUSS	1	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:07 2016 Page 1

ID:zCY7IZgayBOZI_Xyqf3JpUyxshk-VHIzGWDGsT3HQqmOZYY?IwRLNJZkoNjiR_U62ayUpqU

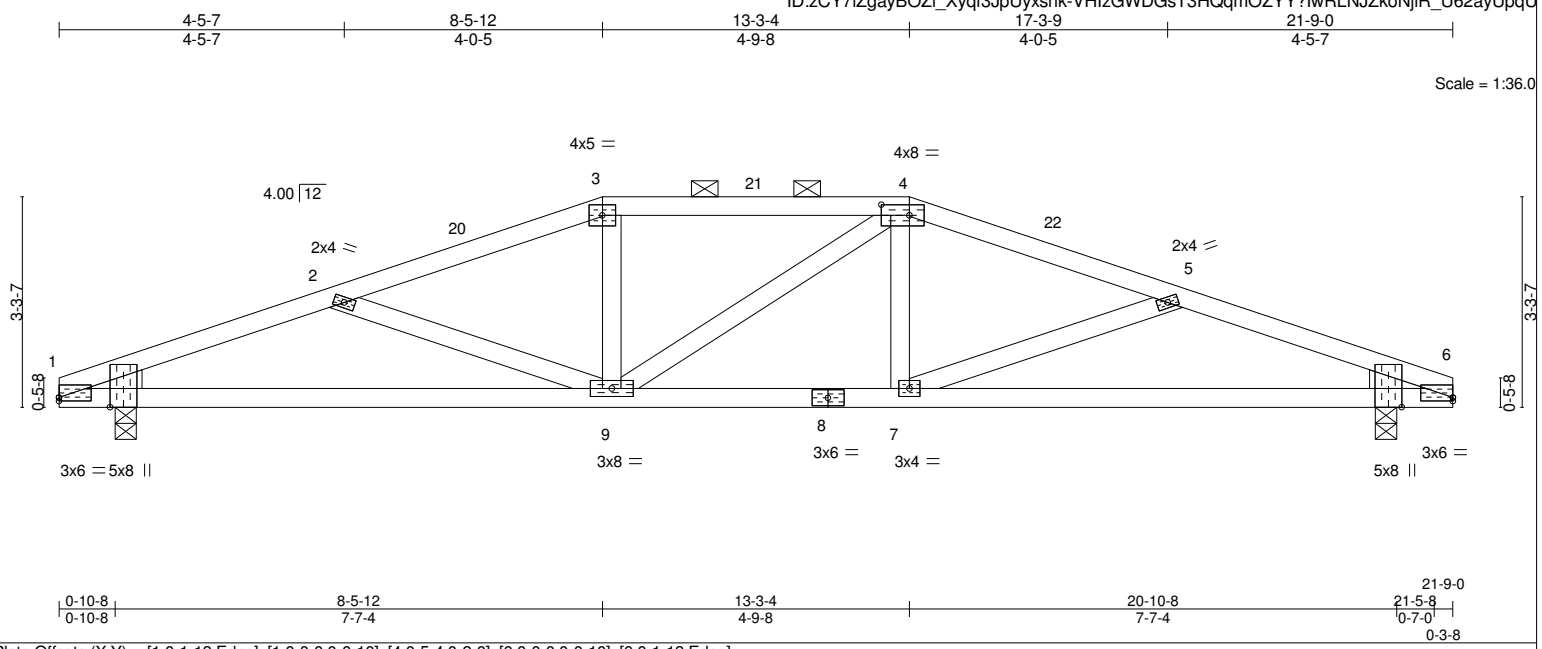


Plate Offsets (X,Y)-- [1:0-1-13,Edge], [1:0-0-0,0-0-10], [4:0-5-4,0-2-0], [6:0-0-0,0-0-10], [6:0-1-13,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9 **	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.14	7-9	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.81	Vert(TL)	-0.24	7-9	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.06	6	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 98 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2,
Right: 2x4 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-3-1 max.): 3-4.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
1 = 1021/0-4-0 (min. 0-1-8)
6 = 1021/0-4-0 (min. 0-1-8)
Max Horz
1 = 22(LC 14)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-1=-387/0, 1-2=-1780/213, 2-20=-1608/158, 3-20=-1567/167, 3-21=-1504/174, 4-21=-1504/174, 4-22=-1566/167, 5-22=-1608/158, 5-6=-1780/213
BOT CHORD
1-10=-87/525, 1-9=-157/1610, 8-9=-79/1504, 7-8=-79/1504, 6-7=-157/1610

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) ** TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps= varies (min. roof snow=26.9 psf) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu left =10-10-8, Lu right =10-10-8
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) The loading on this truss has been modified to reflect the roof profile, the ridgeline is located 10-10-8 from joint 1 and has a slope of 4.000 on the left and -4.000 on the right.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-74, 3-4=-74, 4-6=-74, 10-15=-20

Job	Truss	Truss Type	Qty	Ply	
DENTEL	J1	ROOF TRUSS	7	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:07 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-VHIzGWDGsT3HQqmOZYY?IwRWZJjfoO6iR_U62ayUpqU

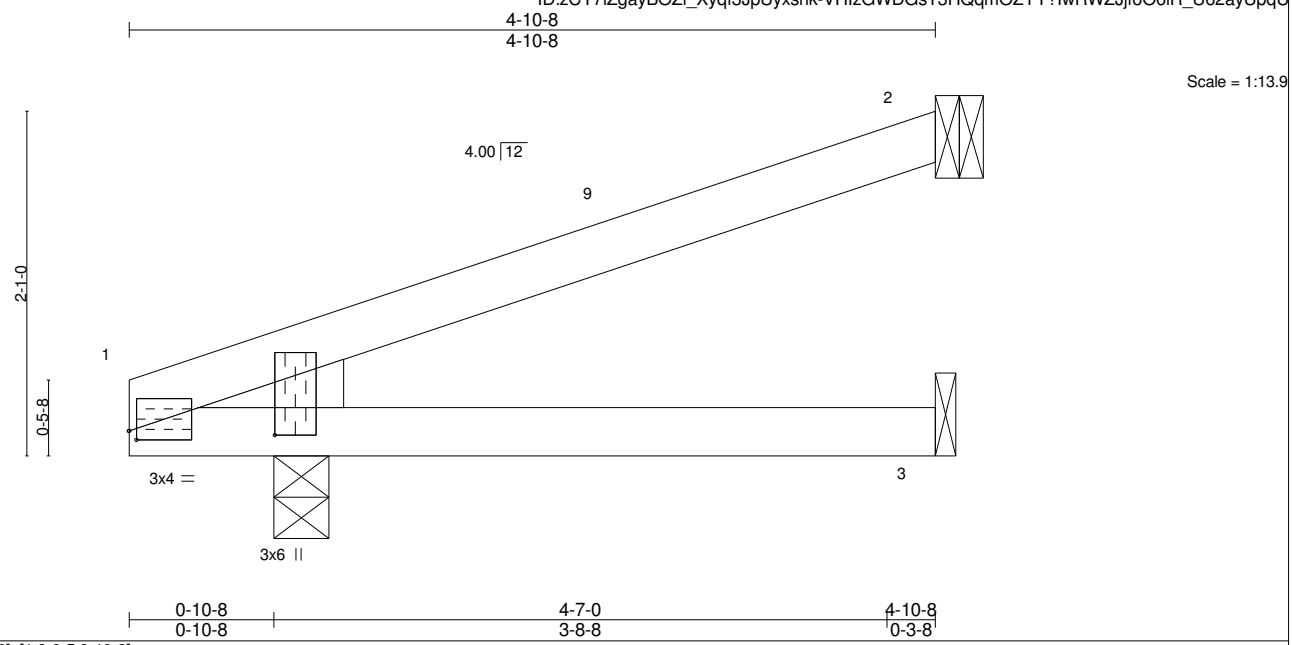


Plate Offsets (X,Y)-- [1:0-0-9,0-0-10], [1:0-0-5,0-10-9]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.01	3-8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.17	Vert(TL)	-0.03	3-8	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	2	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 16 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-10-8 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
2 = 121/Mechanical
3 = 51/Mechanical
1 = 274/0-4-0 (min. 0-1-8)
Max Horz
1 = 33(LC 10)
Max Uplift
2 = -17(LC 10)
Max Grav
2 = 131(LC 20)
3 = 70(LC 5)
1 = 277(LC 20)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 2.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	J2GR	ROOF TRUSS	2	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:09 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-SgQjhCEXO4J?f7wnhzbTNLXv87R?GIE?uIzD7TyUpqS

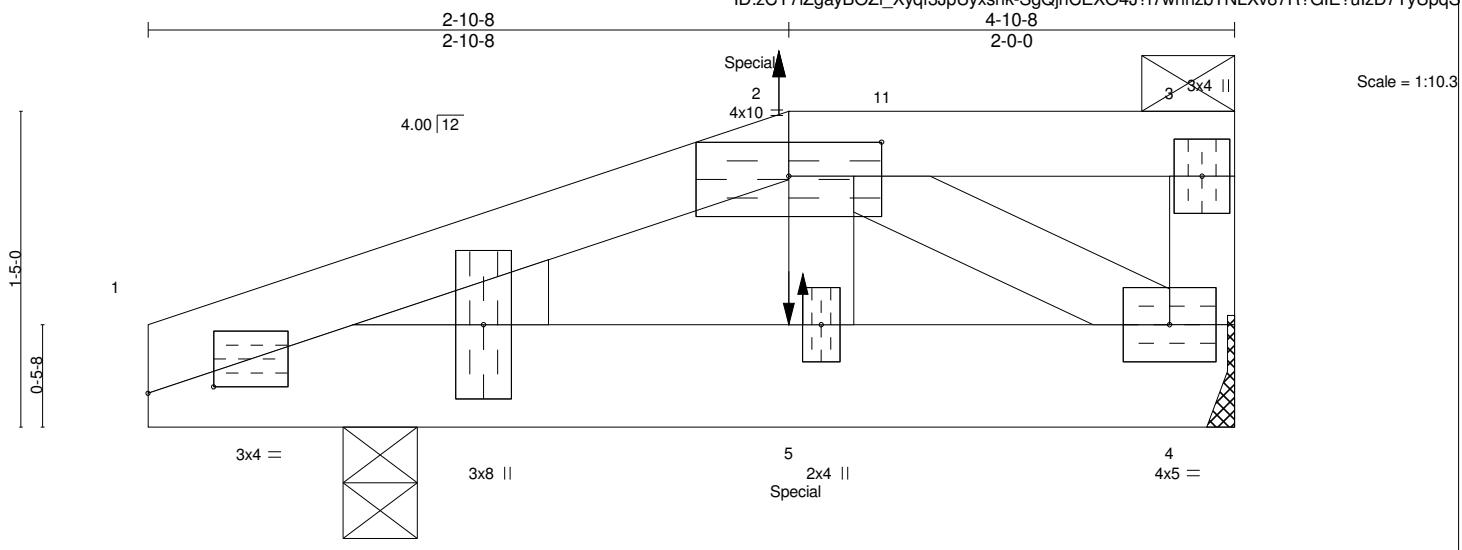


Plate Offsets (X,Y)-- [1:0-3-9,0-0-6], [2:0-5-0,0-1-13]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9 **	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.00	10	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.00	10	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)								
BCDL	10.0										Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-10-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
4 = 143/Mechanical
1 = 246/0-4-0 (min. 0-1-8)
Max Horz
1 = 25(LC 9)
Max Grav
4 = 154(LC 25)
1 = 370(LC 25)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) ** TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps= varies (min. roof snow=26.9 psf) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-74, 2-3=-74, 4-6=-20
Concentrated Loads (lb)
Vert: 2=55(B) 5=-0(B)

Job	Truss	Truss Type	Qty	Ply	
DENTEL	J3	ROOF TRUSS	2	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:10 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-ws_5vYF98ORsHHUzFg6iwY359XnU?ls87yjmfvyUpqR

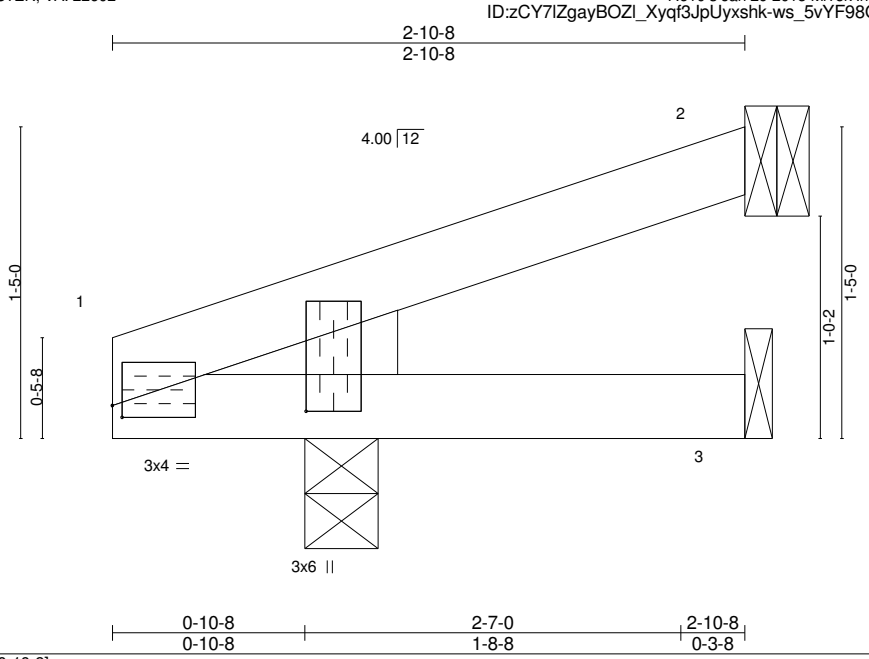


Plate Offsets (X,Y)-- [1:0-0-9,0-0-10], [1:0-0-5,0-10-9]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	-0.00	8	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 10 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-10-8 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
2 = 49/Mechanical
3 = 19/Mechanical
1 = 189/0-4-0 (min. 0-1-8)
Max Horz
1 = 19(LC 10)
Max Uplift
2 = -9(LC 10)
Max Grav
2 = 49(LC 1)
3 = 29(LC 5)
1 = 189(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 2.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	J4GR	ROOF TRUSS	2	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:11 2016 Page 1
ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-O3YT6uGnvhZjvR39oNdxSmcF9w5BkC6lMcSJBLyUpqQ

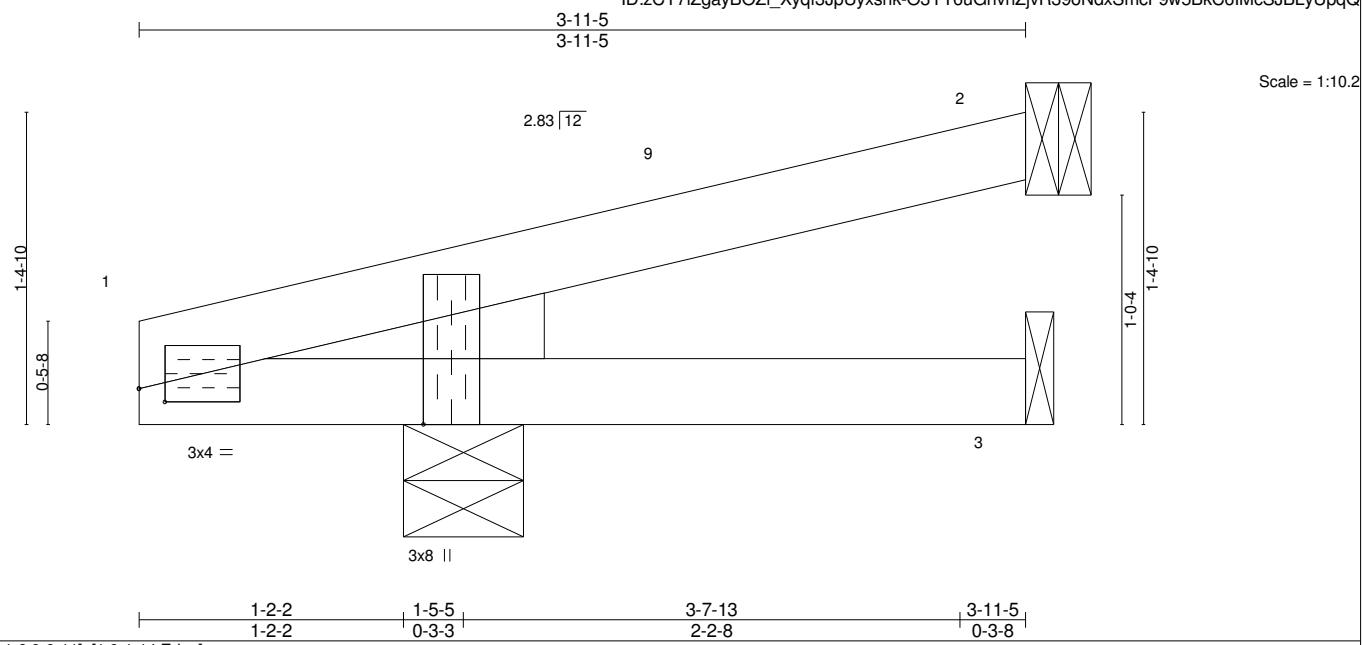


Plate Offsets (X,Y)-- [1:0-1-6,0-0-11], [1:0-1-14,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.07	Vert(TL)	-0.00	3-8	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 14 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-11-5 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
2 = 70/Mechanical
3 = 29/Mechanical
1 = 259/0-6-7 (min. 0-1-8)
Max Horz
1 = 19(LC 6)
Max Uplift
2 = -9(LC 6)
Max Grav
2 = 74(LC 16)
3 = 41(LC 5)
1 = 260(LC 16)

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

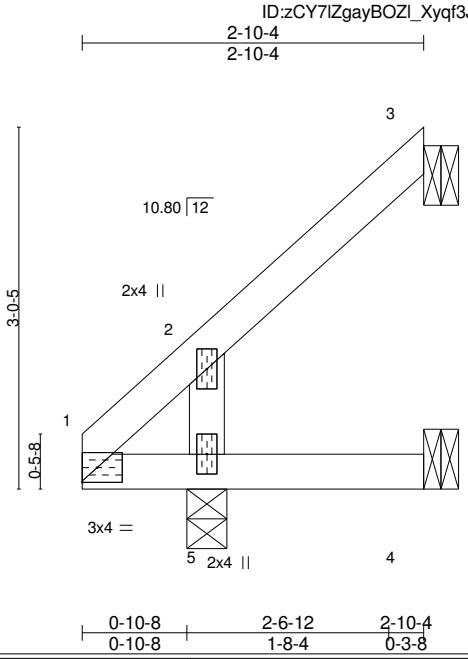
NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 2.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	J5	ROOF TRUSS	6	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:11 2016 Page 1

ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-O3YT6uGnvhZjvR39oNdxSmcGgw6WkCuIMcSJBLyUpqQ



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	23.2	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.00	5	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.00	5	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 12 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (lb/size)
3 = 41/Mechanical
4 = 7/Mechanical
5 = 186/0-4-0 (min. 0-1-8)
Max Horz
5 = 51(LC 12)
Max Uplift
3 = -27(LC 12)
4 = -4(LC 12)
Max Grav
3 = 46(LC 19)
4 = 23(LC 3)
5 = 186(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=23.2 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
7) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	T1	ROOF TRUSS	3	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602

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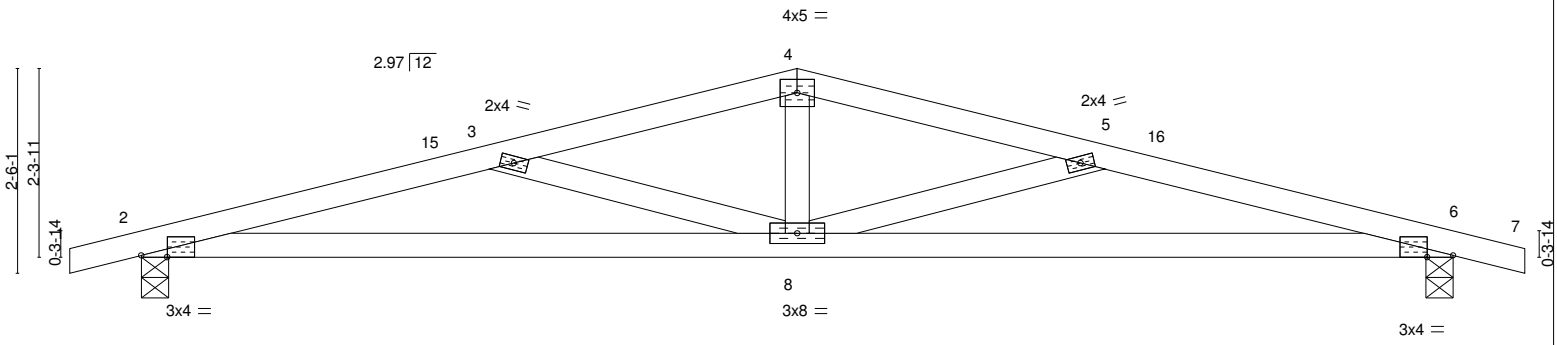
ID:zCY7lZgayBOZl_Xyqf3JpUyxshk-sF6rKEHPg?haWbeLM58A?z9NaKJITd8RbGCtjoyUpqP

-0-10-8	4-6-11	8-0-4	11-5-13	16-0-8	16-11-0
0-10-8	4-6-11	3-5-9	3-5-9	4-6-11	0-10-8

Scale = 1:28.2



-0-10-8	8-0-4	15-9-0	16-0-8
0-10-8	8-0-4	7-8-12	0-3-8

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [6:0-3-13,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.10	8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.59	Vert(TL)	-0.22	8-14	>881	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.05	6	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 65 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-1-10 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
2 = 818/0-4-0 (min. 0-1-8)
6 = 818/0-4-0 (min. 0-1-8)
Max Horz
2 = 17(LC 14)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-15=-1920/264, 3-15=-1874/272, 3-4=-1468/163, 4-5=-1468/163, 5-16=-1874/272, 6-16=-1920/263
BOT CHORD
2-8=-226/1834, 6-8=-228/1834
WEBS
4-8=0/393, 5-8=-562/138, 3-8=-562/138

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 26.9 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	
DENTEL	T2	ROOF TRUSS	2	1	Job Reference (optional)

ANNANDALE MILLWORK / ALLIED S, WINCHESTER, VA. 22602 — 7.610 s Jan 29 2015 MiTek Industries, Inc. Mon Oct 10 13:14:12 2016 Page 1

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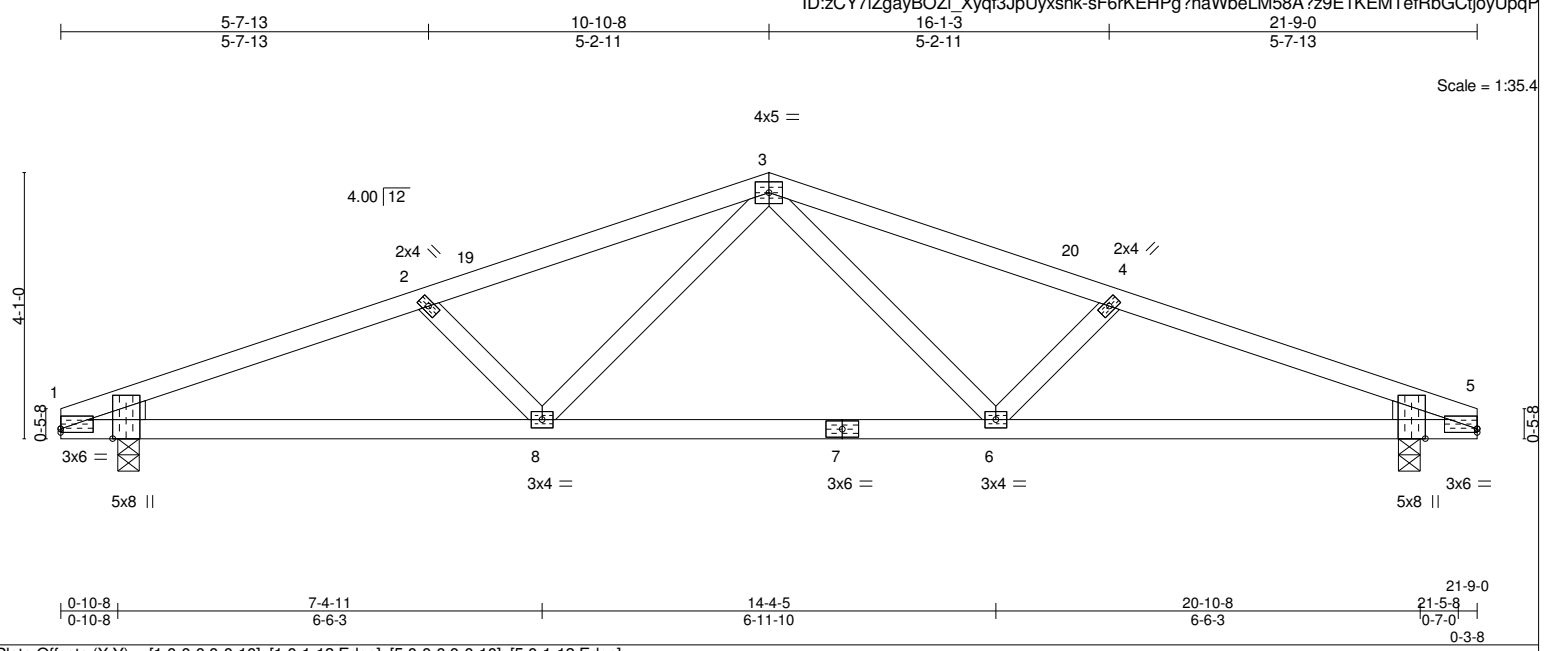

Plate Offsets (X,Y)-- [1:0-0-0,0-0-10], [1:0-1-13,Edge], [5:0-0-0,0-0-10], [5:0-1-13,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	26.9	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.18	6-8	>999	360	MT20	244/190
(Ground Snow=35.0)		Lumber DOL	1.15	BC	0.91	Vert(TL)	-0.42	6-8	>627	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.07	5	n/a	n/a		
BCLL	0.0 *	Code IRC2012/TPI2007		(Matrix-M)							Weight: 92 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2,
Right: 2x4 SP No.2

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 2-10-9 oc purlins.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)
1 = 1021/0-4-0 (min. 0-1-8)
5 = 1021/0-4-0 (min. 0-1-8)
Max Horz
1 = 28(LC 14)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-1=-417/17, 1-2=-1843/221, 2-19=-1624/174, 3-19=-1580/192, 3-20=-1580/192, 4-20=-1624/174, 4-5=-1843/221
BOT CHORD
1-9=-72/523, 1-8=-162/1676, 7-8=-81/1239, 6-7=-81/1239, 5-6=-162/1676
WEBS
3-6=-1/448, 4-6=-330/119, 3-8=-1/448, 2-8=-330/119

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) "The builder and/or the building designer are solely responsible for the review and approval of all pertinent data reflected on this drawing, such as; but not limited to; pitch, dimensions, loads, etc., before fabrication to insure accuracy and full compliance with existing applicable building code requirements.."
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S)
Standard