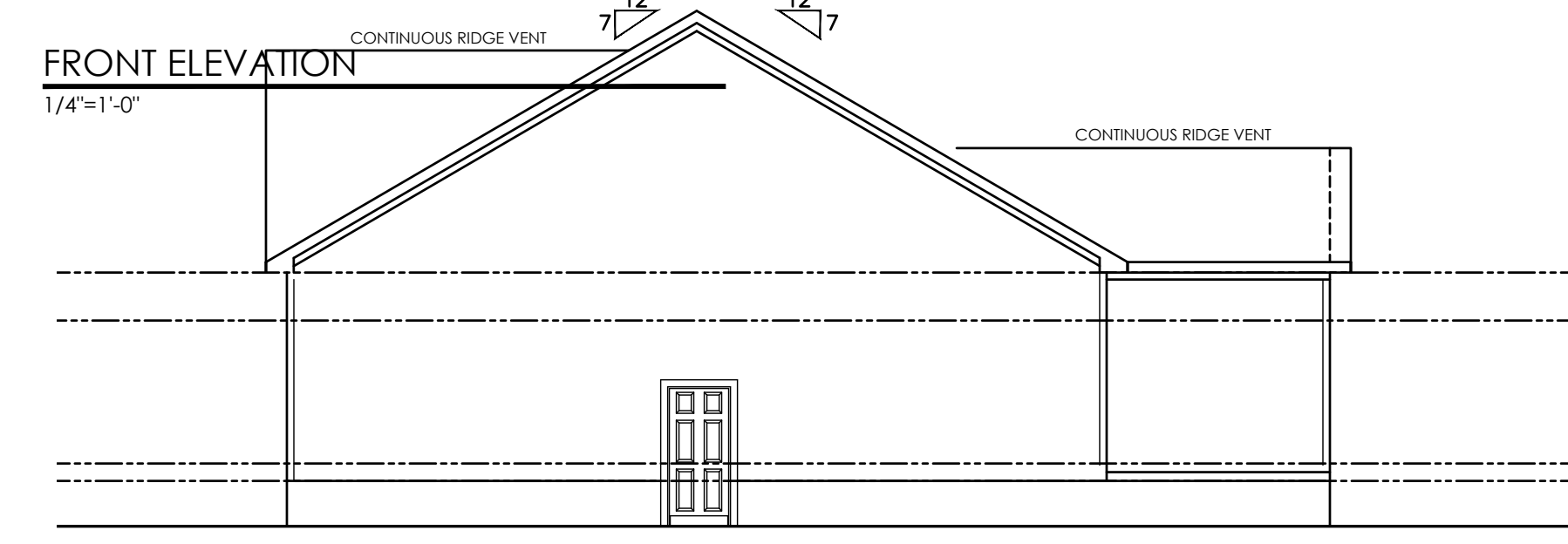
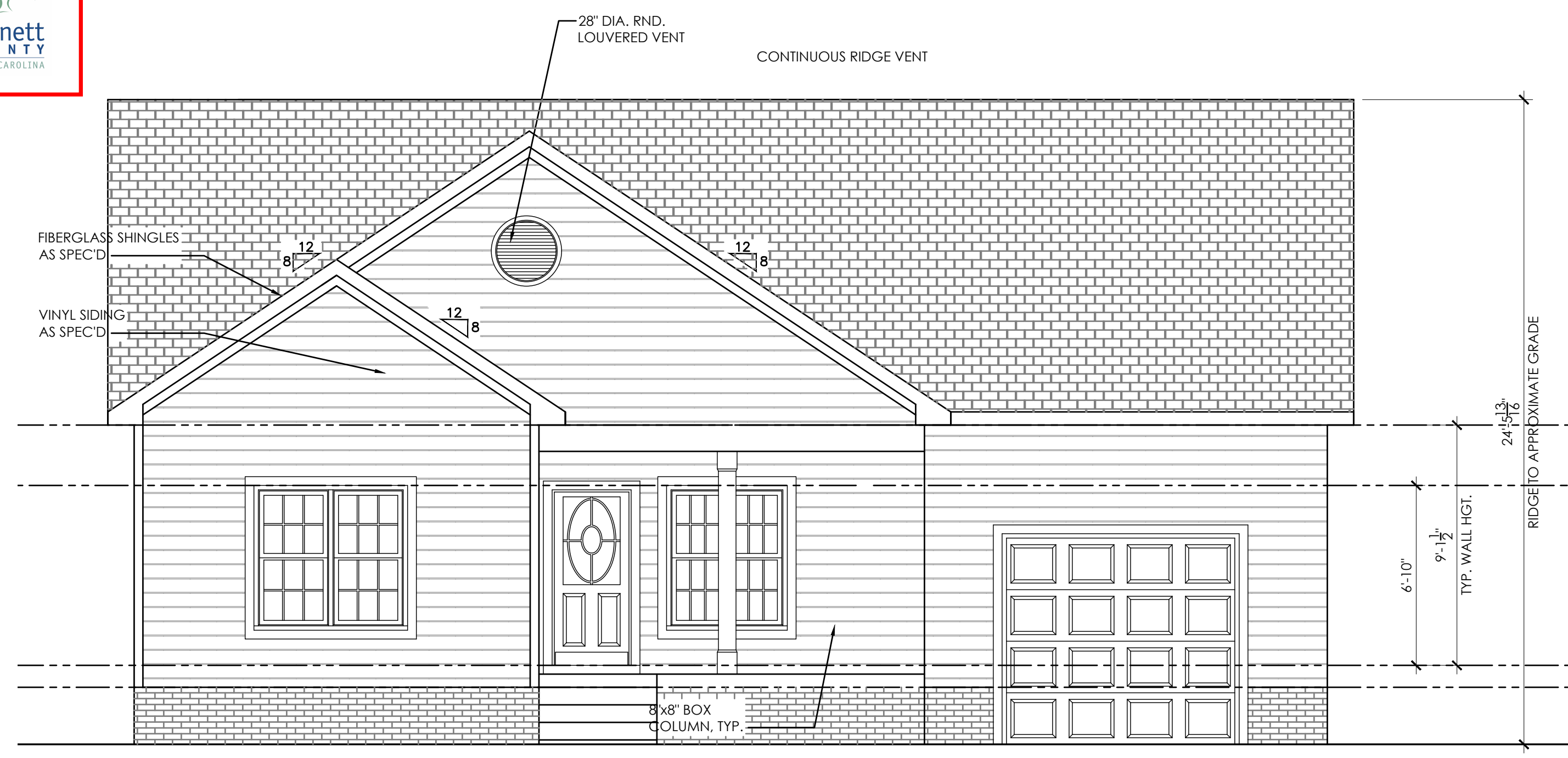
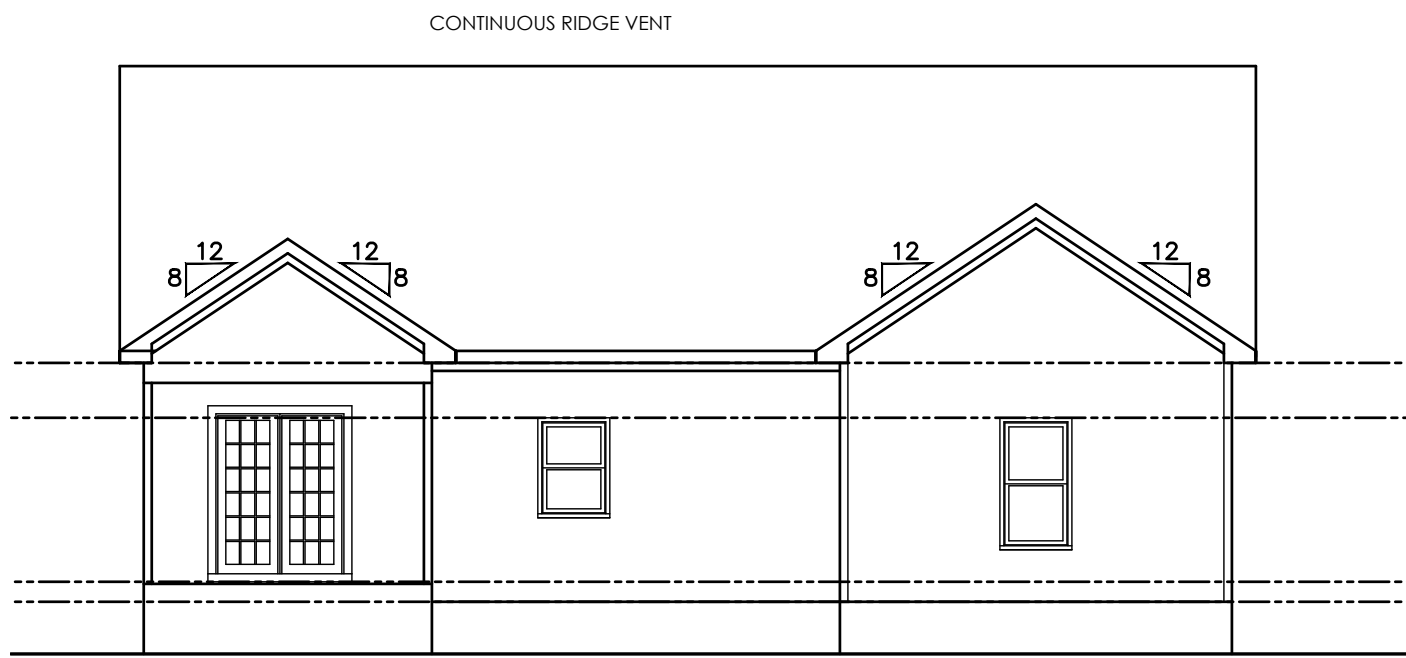


NOTICE TO CONTRACTOR
 All construction must comply with current NC Building Codes
 and all applicable local ordinances.

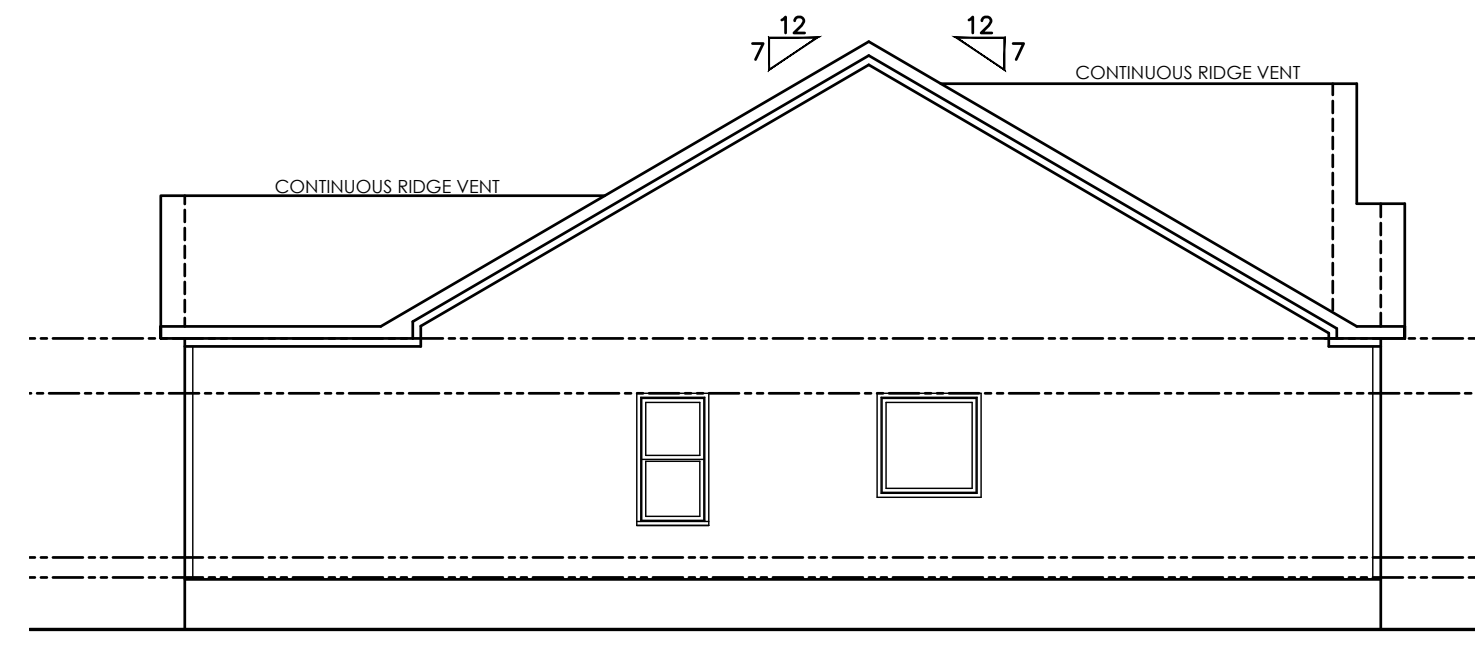
APPROVED
 03/01/2021

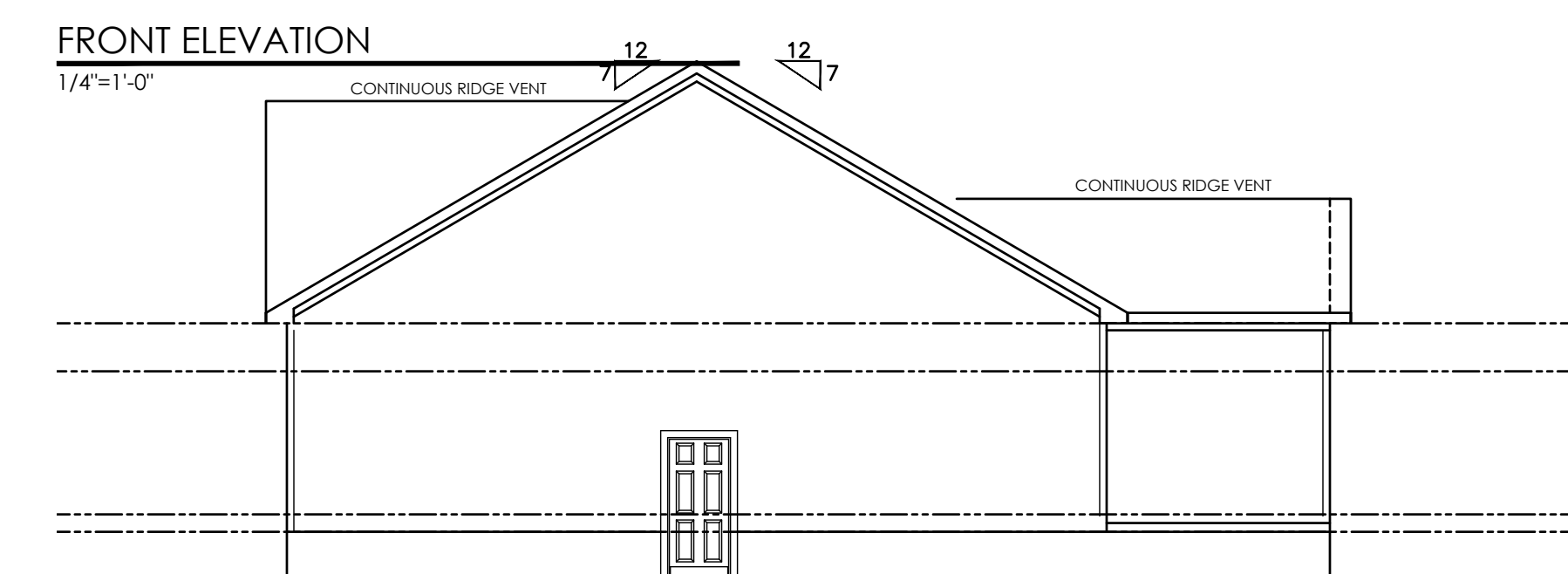
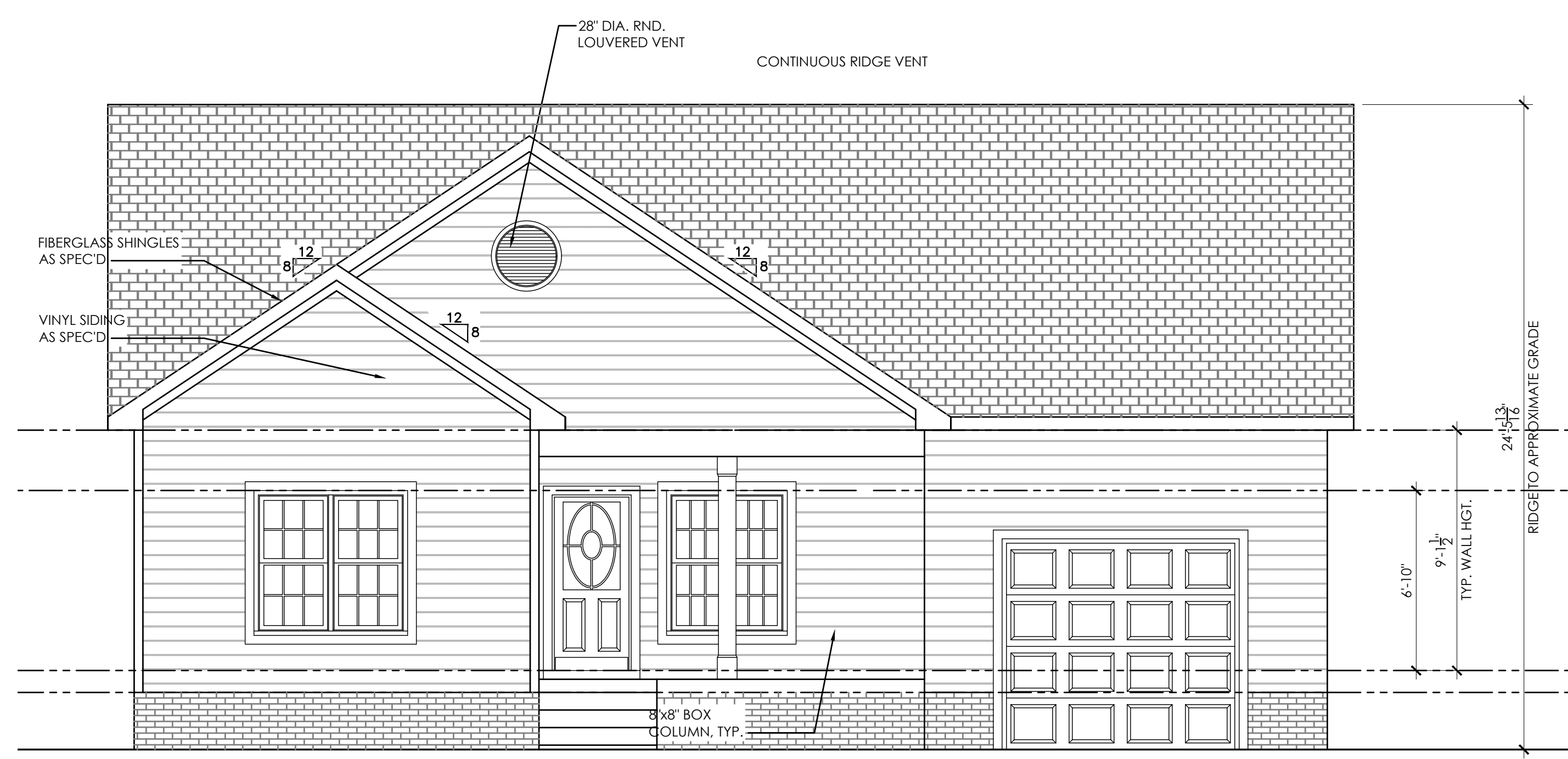
LEFT ELEVATION
 1/8"=1'-0"



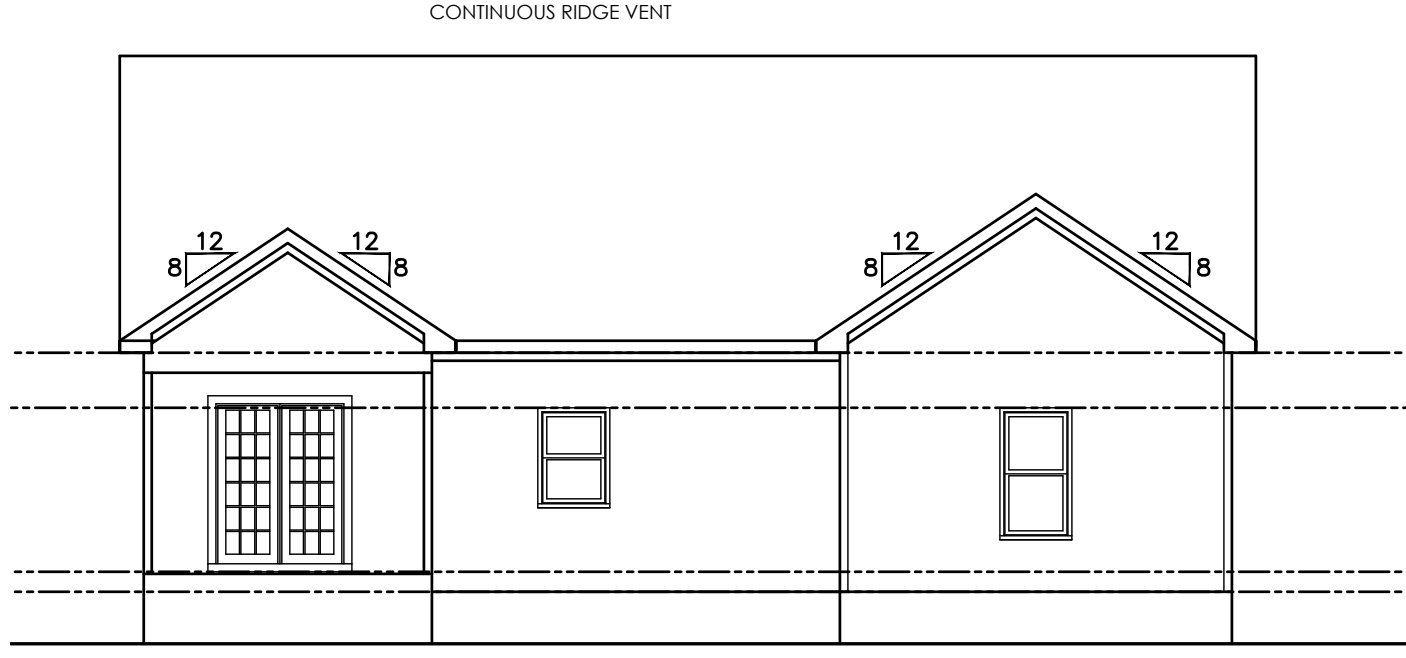
REAR ELEVATION
 1/8"=1'-0"



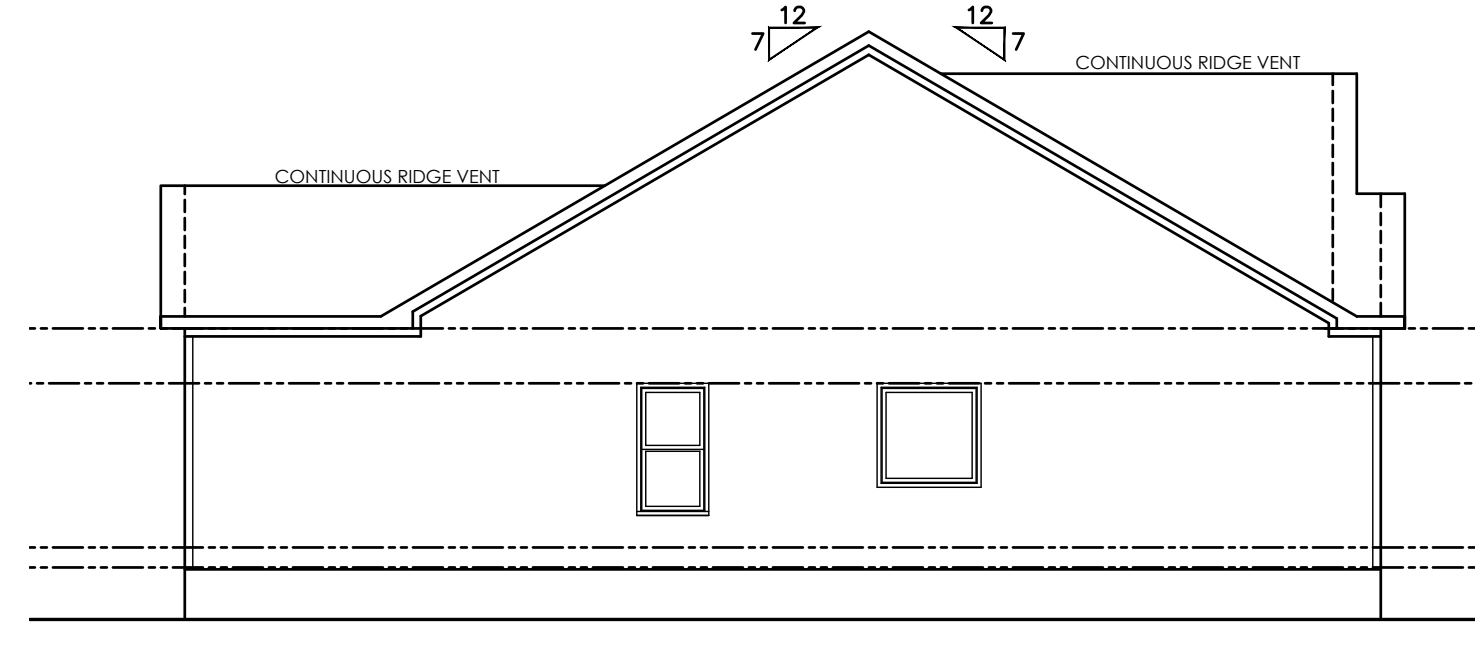
RIGHT ELEVATION
 1/8"=1'-0"



LEFT ELEVATION
 1/8"=1'-0"



REAR ELEVATION
 1/8"=1'-0"



RIGHT ELEVATION
 1/8"=1'-0"

DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION

LEE DESIGN BUILD LLC
 MATTHEW LEE
 114 OLD DENNING RD
 PRINCETON, NC 27569
 919.820.1054 CELL
 919.351.0498 HOME

1ST FLOOR	HTD	1605
TOTAL		1605
PORCH/CARPORT		439
REAR PORCH		128
TOTAL		567

The Robertson

DATE	2-13-19
DRAWN BY	MKL
PROJECT NO.	2017-33

ELEVATIONS SHEET A-1

DESIGN: MATTHEW LEE

DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION

LEE DESIGN BUILD LLC
 MATTHEW LEE
 114 OLD DENNING RD
 PRINCETON, NC 27569
 919.820.1054 CELL
 919.351.0498 HOME

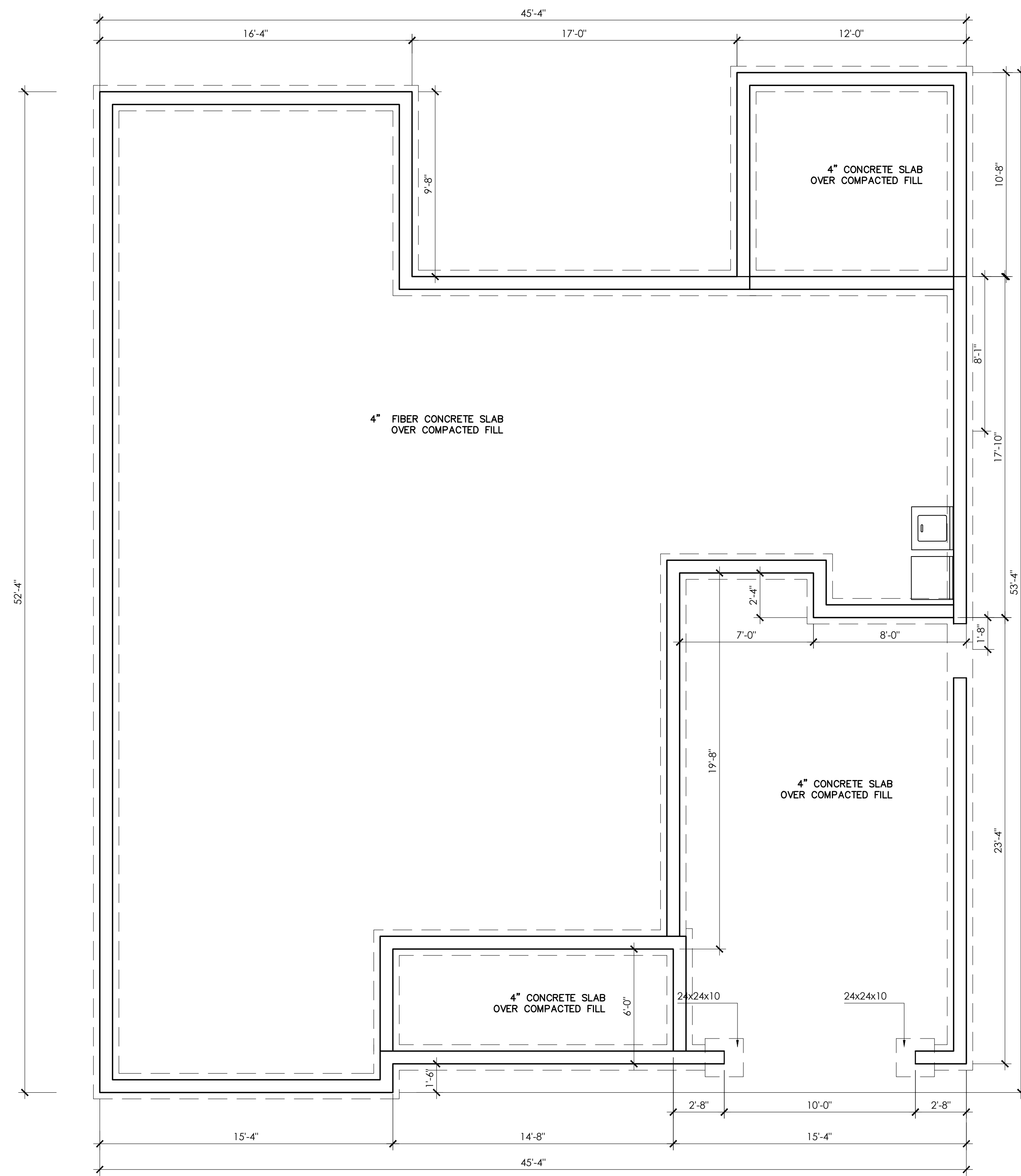
1ST FLOOR	HTD	1605
TOTAL		1605
PORCH/CARPORT		439
REAR PORCH		128
TOTAL		567

The Robertson

DATE	2-13-19
DRAWN BY	MKL
PROJECT NO.	2017-33

ELEVATIONS SHEET A-1

DESIGN: MATTHEW LEE



NOTES:
 ALL LUMBER SHOULD BE SPRUCE #2 OR BETTER.
 36X24 CRAWL ACCESS TO BE LOCATED BY OWNER

FOUNDATION NOTES:
 CONCRETE BLOCK PIER SIZE:
 SIZE HOLLOW MASONRY SOLID MASONRY
 8X16 UP TO 32' HIGH UP TO 8' HIGH
 12X16 UP TO 48' HIGH UP TO 9' HIGH
 16X16 UP TO 64' HIGH UP TO 12' HIGH
 24X24 UP TO 96' HIGH
 WITH 24"X24"X10" CONCRETE FOOTING

WALL FOOTING AS FOLLOWS:
 DEPTH: 8" UP TO 2.5 STORIES
 10" 3 STORIES

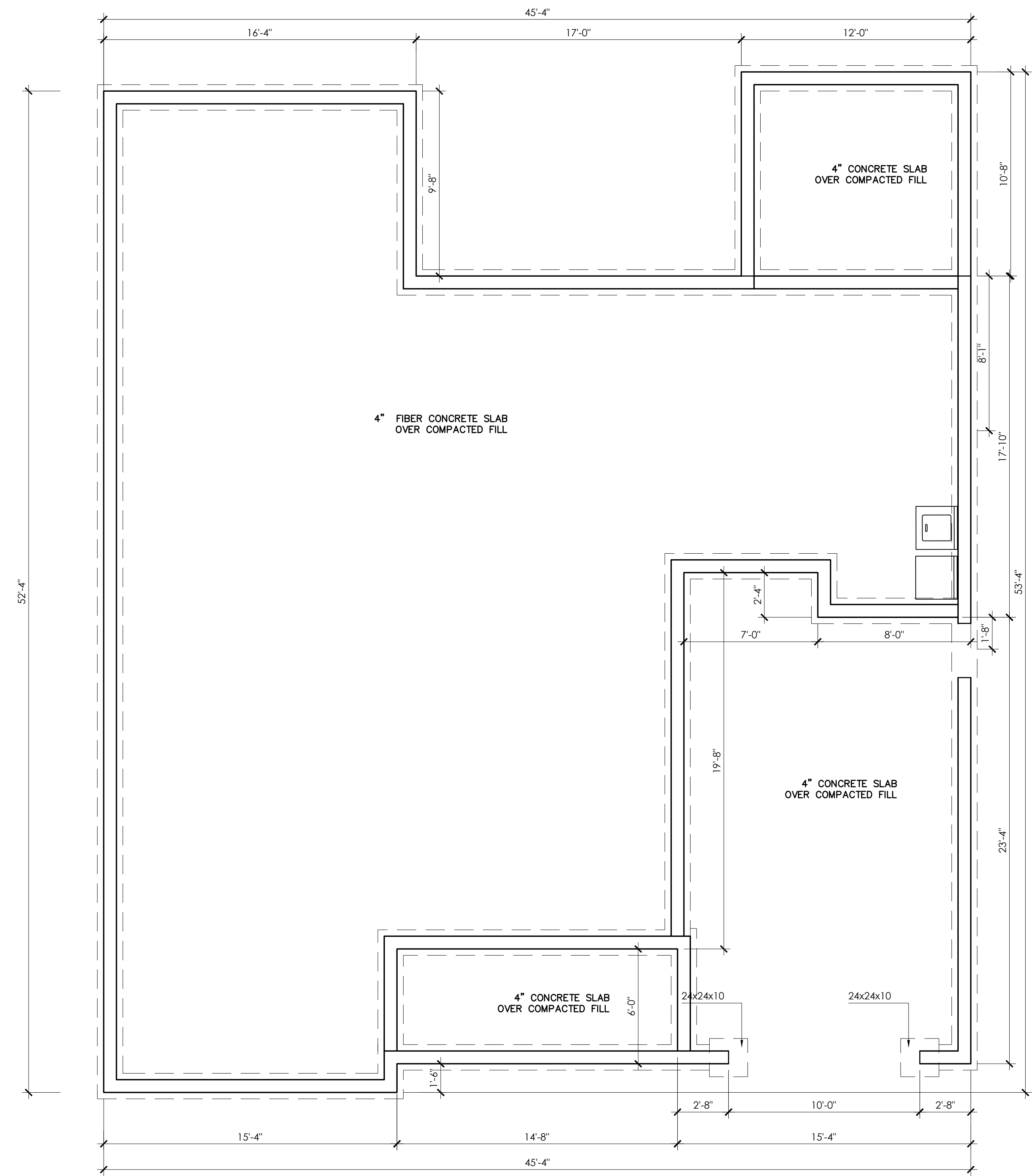
WIDTH: SIDING OR EQUAL
 16" UP TO 2.5 STORIES
 18" 3 STORY

BRICK VENEER
 16" 1 STORY
 20" 2 STORY
 24" 3 STORY

ABBREVIATIONS
 SJ = SINGLE JOIST
 DJ = DOUBLE JOIST

TJ = TRIPLE JOIST

FOUNDATION VENT
 1549/150=10.32 SQ FT REQD
 10.32/.88 = 13 VENTS WITH VAPOR BARRIER
 ONE VENT MUST BE WITHIN 3' OF EVERY CORNER



NOTES:
 ALL LUMBER SHOULD BE SPRUCE #2 OR BETTER.
 36X24 CRAWL ACCESS TO BE LOCATED BY OWNER

FOUNDATION NOTES:
 CONCRETE BLOCK PIER SIZE:
 SIZE HOLLOW MASONRY SOLID MASONRY
 8X16 UP TO 32' HIGH UP TO 8' HIGH
 12X16 UP TO 48' HIGH UP TO 9' HIGH
 16X16 UP TO 64' HIGH UP TO 12' HIGH
 24X24 UP TO 96' HIGH
 WITH 24"X24"X10" CONCRETE FOOTING

WALL FOOTING AS FOLLOWS:
 DEPTH: 8" UP TO 2.5 STORIES
 10" 3 STORIES

WIDTH: SIDING OR EQUAL
 16" UP TO 2.5 STORIES
 18" 3 STORY

BRICK VENEER
 16" 1 STORY
 20" 2 STORY
 24" 3 STORY

ABBREVIATIONS
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FOUNDATION VENT
 1549/150=10.32 SQ FT REQD
 10.32/.88 = 13 VENTS WITH VAPOR BARRIER
 ONE VENT MUST BE WITHIN 3' OF EVERY CORNER

STEM WALL SLAB
 1/4"=1'-0"

STEM WALL SLAB
 1/4"=1'-0"

SHEET TITLE STEM WALL	DATE 2-13-19	The Robertson	1ST FLOOR HTD	1605	LEE DESIGN BUILD LLC MATTHEW LEE 114 OLD DENNING RD PRINCETON, NC 27569 919.820.1054 CELL 919.351.0498 HOME	DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION
	DRAWN BY MKL		TOTAL	1605		
	PROJECT NO. 2017-33		PORCH/CARPORT	439		
			REAR PORCH	128		
SHEET A-2R			TOTAL	567		

DESIGN: MATTHEW LEE

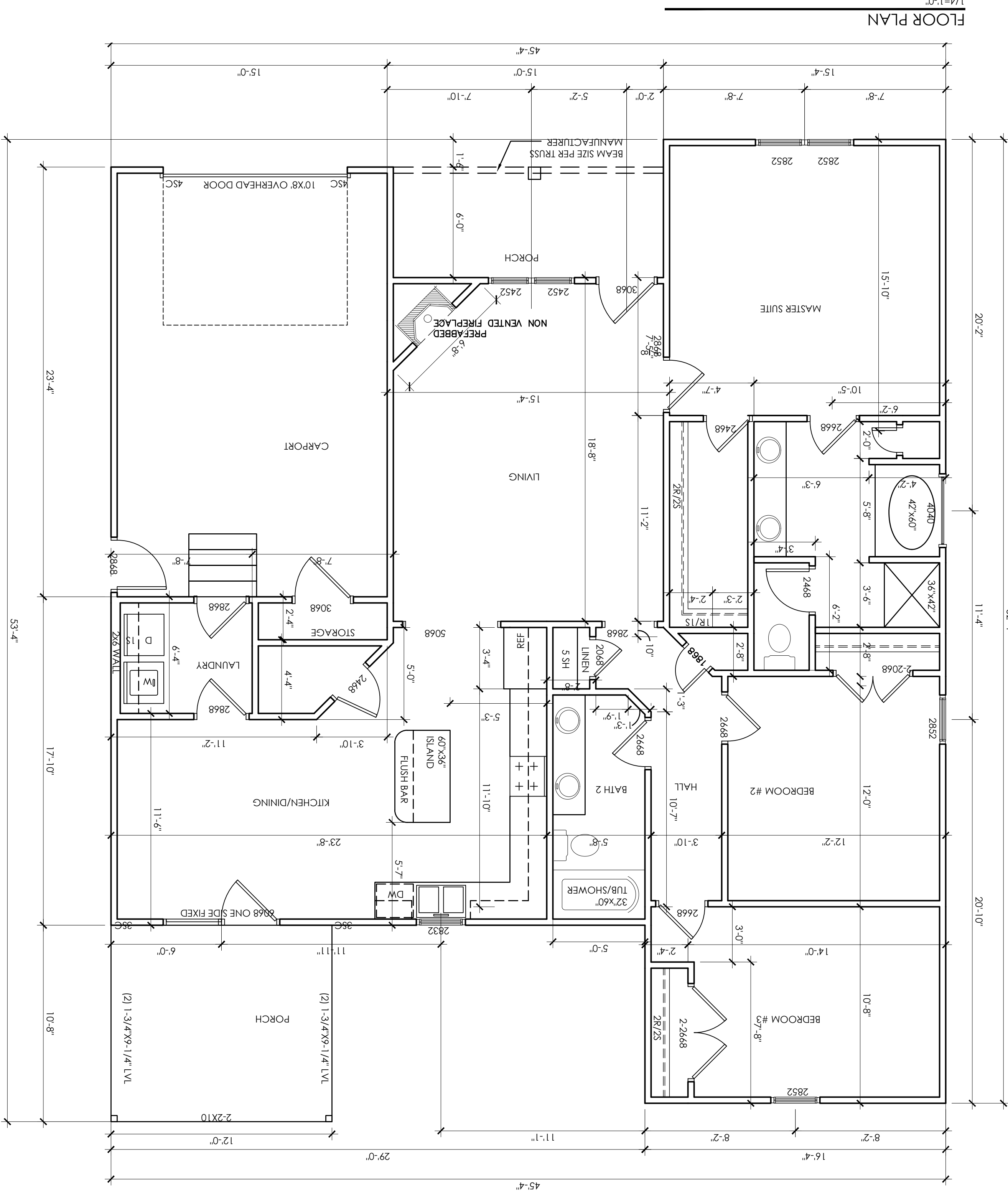
DESIGN: MATTHEW LEE

SHEET TITLE
A-3
 FLOOR PLAN

DATE
 2-13-19
 DRAWN BY
 MKL
 PROJECT NO.
 2017-33

The Robertson

1ST FLOOR HTD 1605
 TOTAL 1605
 PORCH/CARPORT 439
 REAR PORCH 128
 567 TOTAL
 MATHHEW LEE
 114 OLD DENNING RD
 PRINCETON, NC 27569
 919.351.0498 HOME
 LEE DESIGN BUILD LLC
 DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION



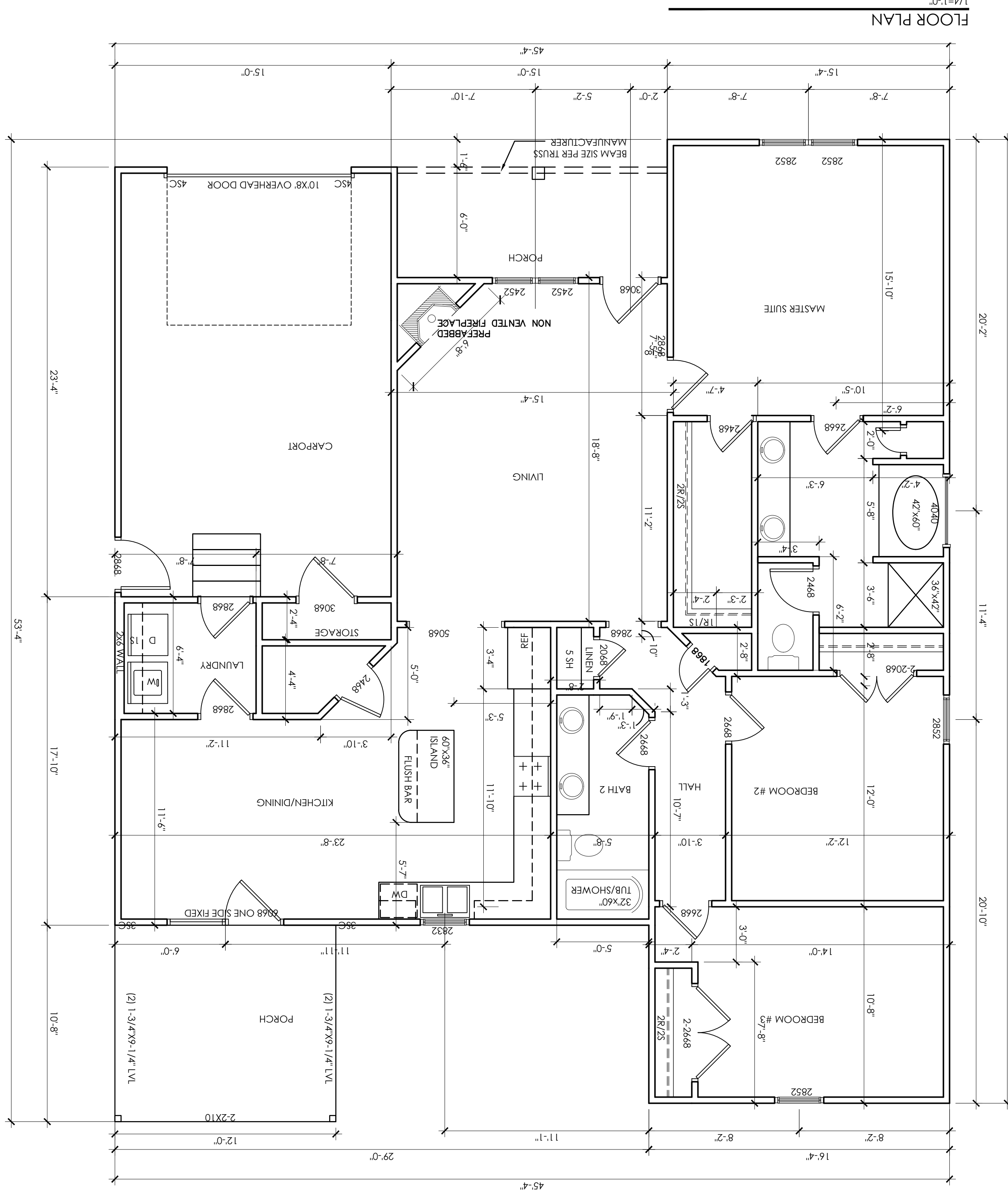
FLOOR PLAN
 1/4"=1'-0"

SHEET TITLE
A-3
 FLOOR PLAN

DATE
 2-13-19
 DRAWN BY
 MKL
 PROJECT NO.
 2017-33

The Robertson

1ST FLOOR HTD 1605
 TOTAL 1605
 PORCH/CARPORT 439
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 567 TOTAL
 MATHHEW LEE
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FLOOR PLAN
 1/4"=1'-0"

DESIGN: MATTHEW LEE

DESIGN: MATTHEW LEE

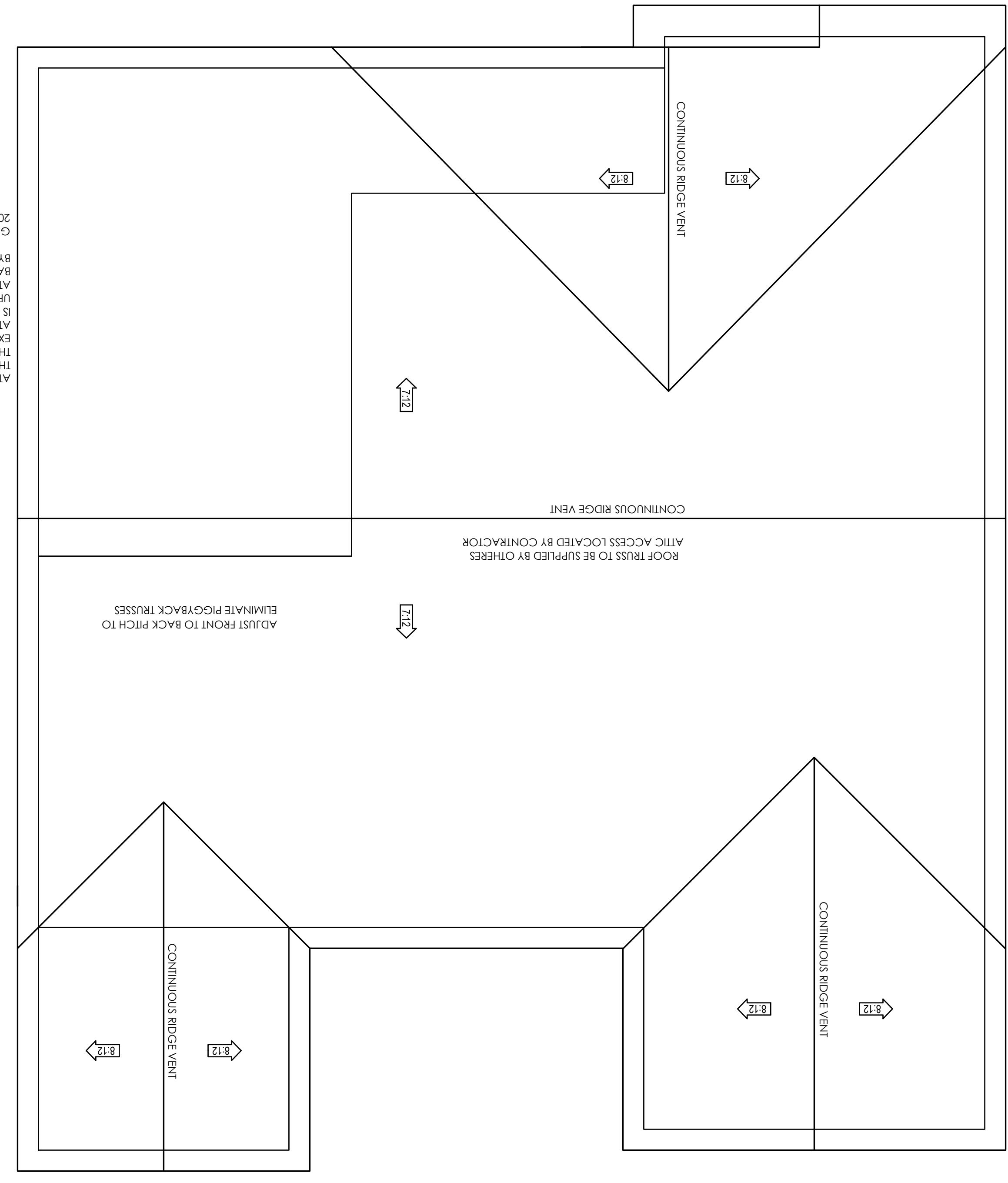
The Robertson

1ST FLOOR HTD	1605
TOTAL	1605
PORCH/CARPORT	439
REAR PORCH	128
TOTAL	567

LEE DESIGN BUILD LLC
 MATTHEW LEE
 114 OLD DENNING RD
 PRINCETON, NC 27569
 919.351.0498 HOME
 919.820.1054 CELL

DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION

ROOF PLAN
1/4"=1'-0"



ATTIC VENTILATION
 THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE 1 TO 300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED. AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.
 GROSS ATTIC AREA TO BE VENTILATED 1678 SQ FT.
 2086/150 = 13.9 SQ FT NET FREE AREA

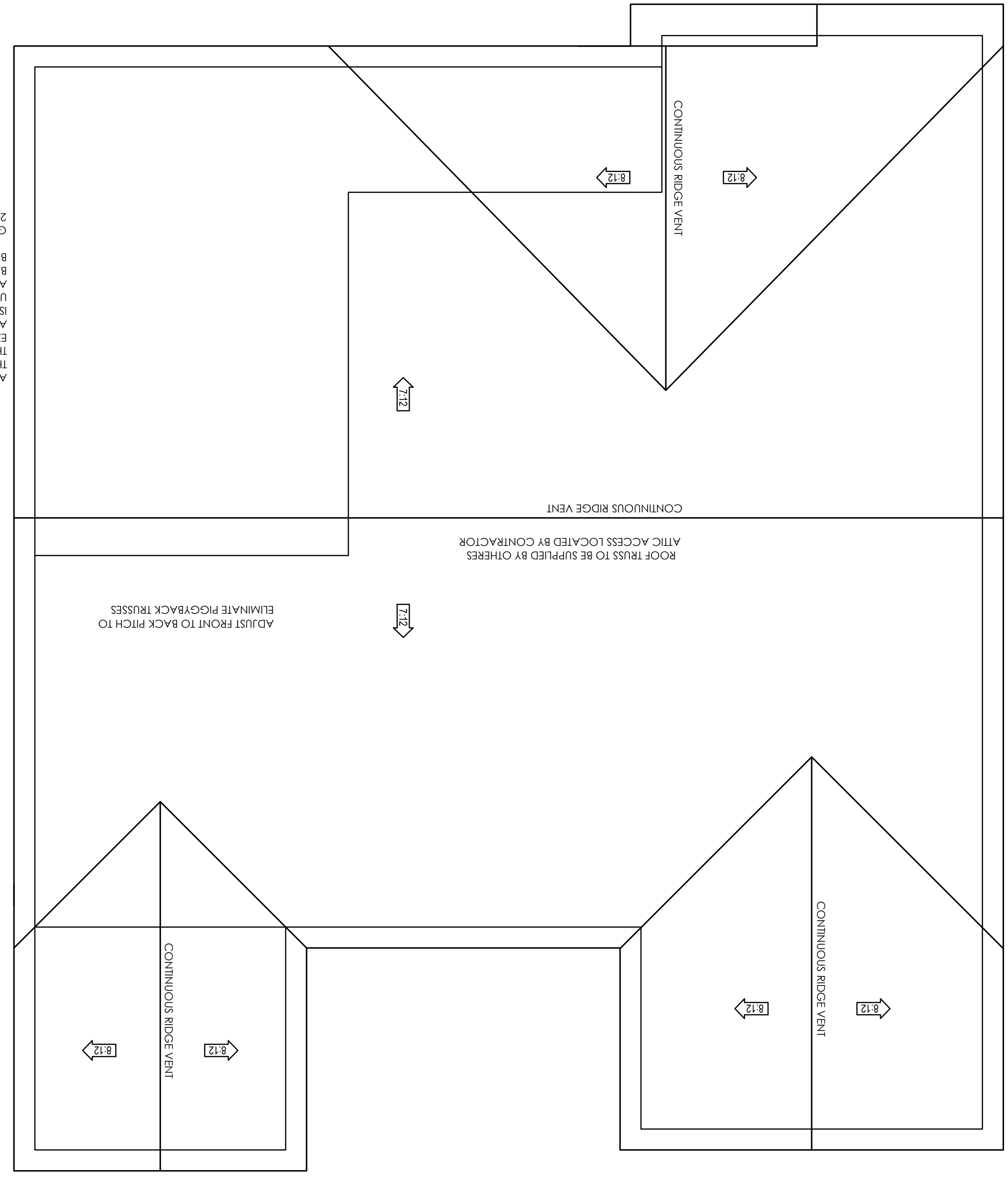
The Robertson

1ST FLOOR HTD	1605
TOTAL	1605
PORCH/CARPORT	439
REAR PORCH	128
TOTAL	567

LEE DESIGN BUILD LLC
 MATTHEW LEE
 114 OLD DENNING RD
 PRINCETON, NC 27569
 919.351.0498 HOME
 919.820.1054 CELL

DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION

ROOF PLAN
1/4"=1'-0"



ATTIC VENTILATION
 THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE 1 TO 300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED. AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.
 GROSS ATTIC AREA TO BE VENTILATED 1678 SQ FT.
 2086/150 = 13.9 SQ FT NET FREE AREA

FOUNDATION WATERPROOFING AND DAMPROOFING
(IF REQUIRED PER SOIL CONDITIONS)

MASONRY WALLS SHALL HAVE NOT LESS THAN $\frac{3}{8}$ " PORTLAND CEMENT PARGING APPLIED TO THE EXTERIOR OF WALL. THE PARGING SHALL BE DAMPROOFED WITH A BITUMINOUS COATING, 3 POUNDS PER SQ. YARD OF ACRYLIC MODIFIED CEMENT $\frac{1}{2}$ " COAT OF SURFACE-BONDING MORTAR COMPLYING WITH ASTM C 887 OR ANY MATERIAL PERMITTED FOR WATERPROOFING IN SEC.R406.2 OF THE 2006 IRC EDITION.

TERMITE PROTECTION
AN EPA APPROVED BIODEGRADABLE TERMITE CONTROL SHALL BE USED TO TREAT THE GROUND BEFORE ANY FOOTERS OR SLABS ARE POURED

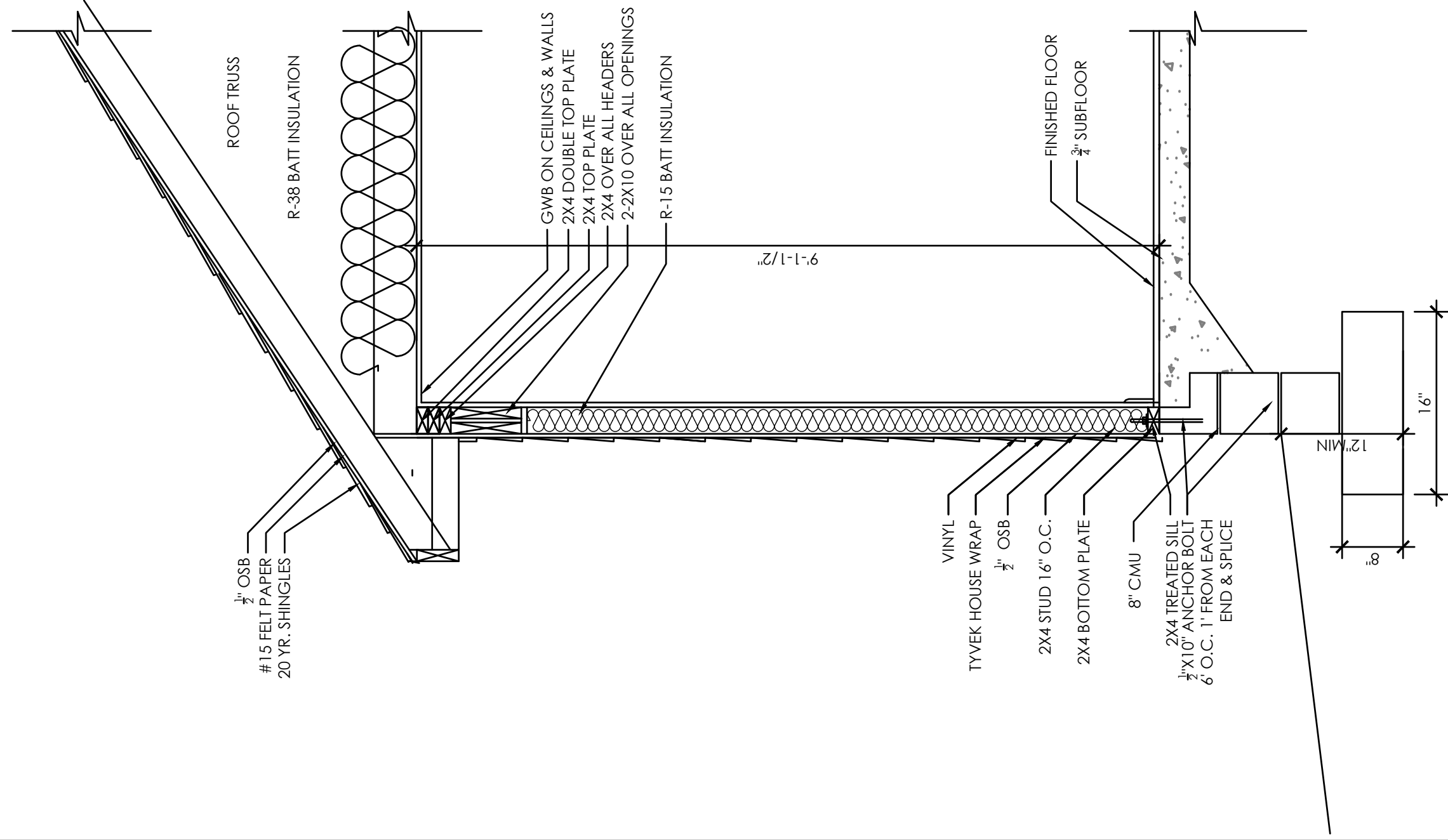
TABLE N1102.1
INSULATION AND FENESTRATION REQUIREMENT BY COMPONENT

CUMMATE ZONE	FENESTRATION U FACTOR	SKYLIGHT U FACTOR	CEILING SHGC	WOOD FRAME R VALUE	MASS R VALUE	FLOOR R VALUE	BASEMENT WALL R VALUE
3	0.35	.55	0.30	38/30CI	5/13	19	5/13
4	0.35	.55	0.30	38/30CI	5/13	19	10/15

STANDARD NOTES:
THE DESIGN OF THIS BUILDING IS BASED ON THE REQUIREMENTS OF NORTH CAROLINA RESIDENTIAL CODE 2018 ED.

ASSUMED OR MEAN ROOF HEIGHT: 26 FT.
WALL CLADDING IS DESIGNED FOR 25 LB. PER SQ. FT. OR GREATER POSITIVE OR NEGATIVE PRESSURE FOR THIS HOUSE OF LESS THAN 35' MEAN ROOF HEIGHT.
ANCHOR BOLTS ARE TO BE 4" DC 1" FROM EACH CORNER 1' FROM EACH END OF SPLICE. 10" IN LENGTH WITH 15" ENBEDMENT
CLIMATE ZONE 3A

CONTRACTOR SHOULD FOLLOW THE NCRC 2018 FOR CONSTRUCTION OF THIS HOUSE ENTIRE HOUSE TO HAVE CONTINUOUS RIDGE VENT AND SOFFITT VENT



FOUNDATION WATERPROOFING AND DAMPROOFING
(IF REQUIRED PER SOIL CONDITIONS)

MASONRY WALLS SHALL HAVE NOT LESS THAN $\frac{3}{8}$ " PORTLAND CEMENT PARGING APPLIED TO THE EXTERIOR OF WALL. THE PARGING SHALL BE DAMPROOFED WITH A BITUMINOUS COATING, 3 POUNDS PER SQ. YARD OF ACRYLIC MODIFIED CEMENT $\frac{1}{2}$ " COAT OF SURFACE-BONDING MORTAR COMPLYING WITH ASTM C 887 OR ANY MATERIAL PERMITTED FOR WATERPROOFING IN SEC.R406.2 OF THE 2006 IRC EDITION.

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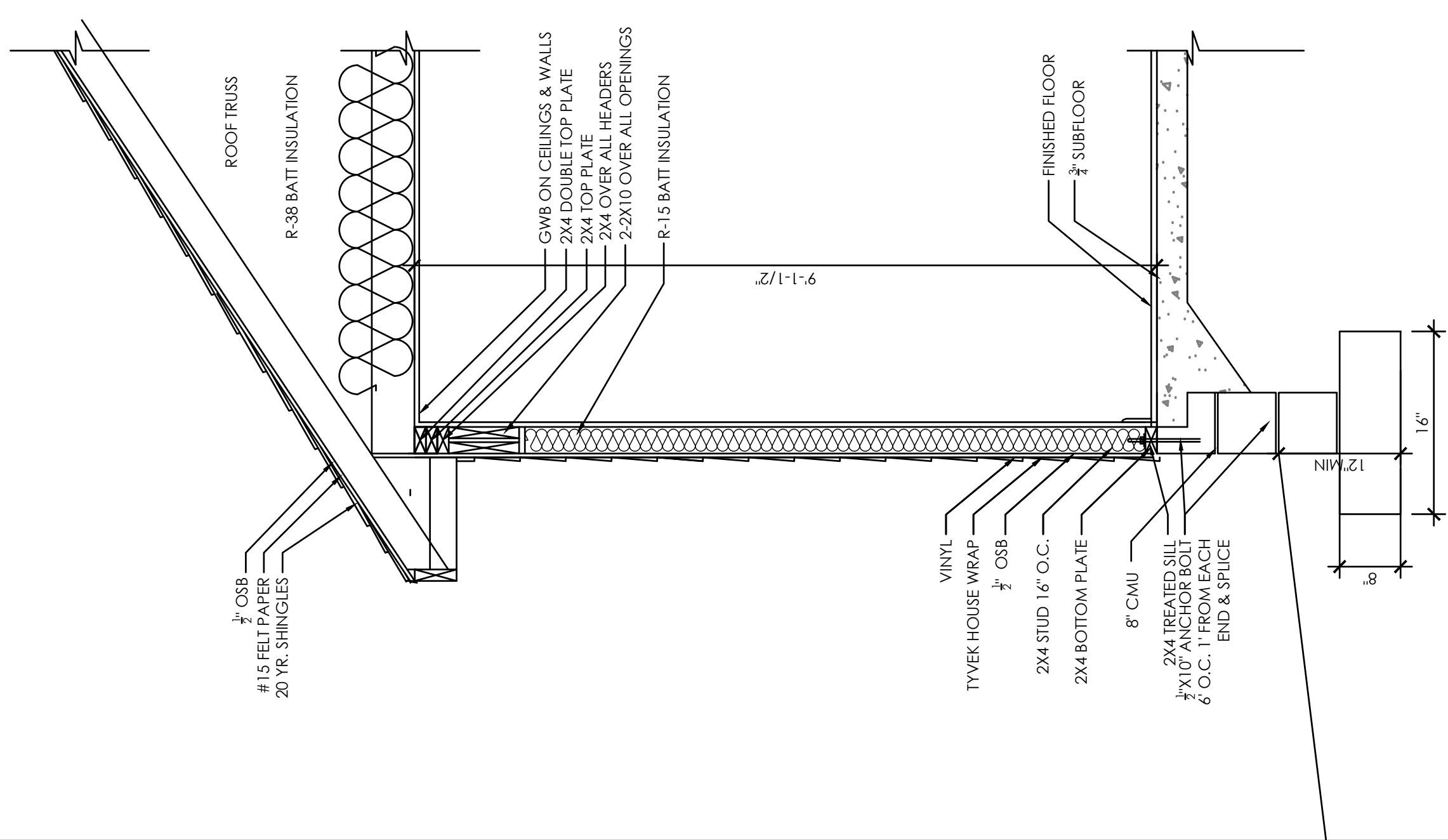
TABLE N1102.1
INSULATION AND FENESTRATION REQUIREMENT BY COMPONENT

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STANDARD NOTES:
THE DESIGN OF THIS BUILDING IS BASED ON THE REQUIREMENTS OF NORTH CAROLINA RESIDENTIAL CODE 2018 ED.

ASSUMED OR MEAN ROOF HEIGHT: 26 FT.
WALL CLADDING IS DESIGNED FOR 25 LB. PER SQ. FT. OR GREATER POSITIVE OR NEGATIVE PRESSURE FOR THIS HOUSE OF LESS THAN 35' MEAN ROOF HEIGHT.
ANCHOR BOLTS ARE TO BE 4" DC 1" FROM EACH CORNER 1' FROM EACH END OF SPLICE. 10" IN LENGTH WITH 15" ENBEDMENT
CLIMATE ZONE 3A

CONTRACTOR SHOULD FOLLOW THE NCRC 2018 FOR CONSTRUCTION OF THIS HOUSE ENTIRE HOUSE TO HAVE CONTINUOUS RIDGE VENT AND SOFFITT VENT



DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION
LEE DESIGN BUILD LLC
MATHREW LEE
114 OLD DENNING RD
PRINCETON, NC 27569
919.351.0498 HOME
567 TOTAL
1605 1ST FLOOR HTD
1605 TOTAL
439 PORCH/CARPORIT
128 REAR PORCH
567 TOTAL

The Robertson

DATE 2-13-19
DRAWN BY MKL
PROJECT NO. 2017-33

SHEET TITLE NOTES
A-5 SHEET

DESIGN: MATTHEW LEE

DESIGNER IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THIS PLAN WITHOUT PERMISSION
LEE DESIGN BUILD LLC
MATHREW LEE
114 OLD DENNING RD
PRINCETON, NC 27569
919.351.0498 HOME
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1605 1ST FLOOR HTD
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567 TOTAL

The Robertson

DATE 2-13-19
DRAWN BY MKL
PROJECT NO. 2017-33

SHEET TITLE NOTES
A-5 SHEET

DESIGN: MATTHEW LEE

**THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY.
PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS,
SUCH AS PLUMBING OR DUCT DROPS.**

**PROPOSED DESIGN-
NOT FOR
CONSTRUCTION**

Job #
Q-2003191

Robertson

Date Quoted:
Designer:
Aron Meeks

Guy C Lee - Clayton
151 Hwy 42 E
Clayton, NC
27520

**Peak Truss
Builders, LLC**
PO Box 340, New Hill, NC 27562

- Notes:
- Exterior dimensions shown are assumed to be:
 - Out-to-out of stud
 - Out-to-out of sheathing
 - Adjust truss locations as needed for plumbing and mechanical clearance. Unless otherwise noted, trusses may be shifted as long as O.C. spacing shown is not exceeded.
 - Do not cut, drill, or otherwise damage any part of any truss without prior approval from Peak Truss.
 - Do not approve drawings if any information herein is unclear. Once ordered trusses will be fabricated as approved.
 - Please contact Peak Truss Builders with any questions. We are available to help any way we can. We can be reached at 919-545-5555 or sales@peaktruss.com

Roof Truss Loading per 2018 NC Residential Code

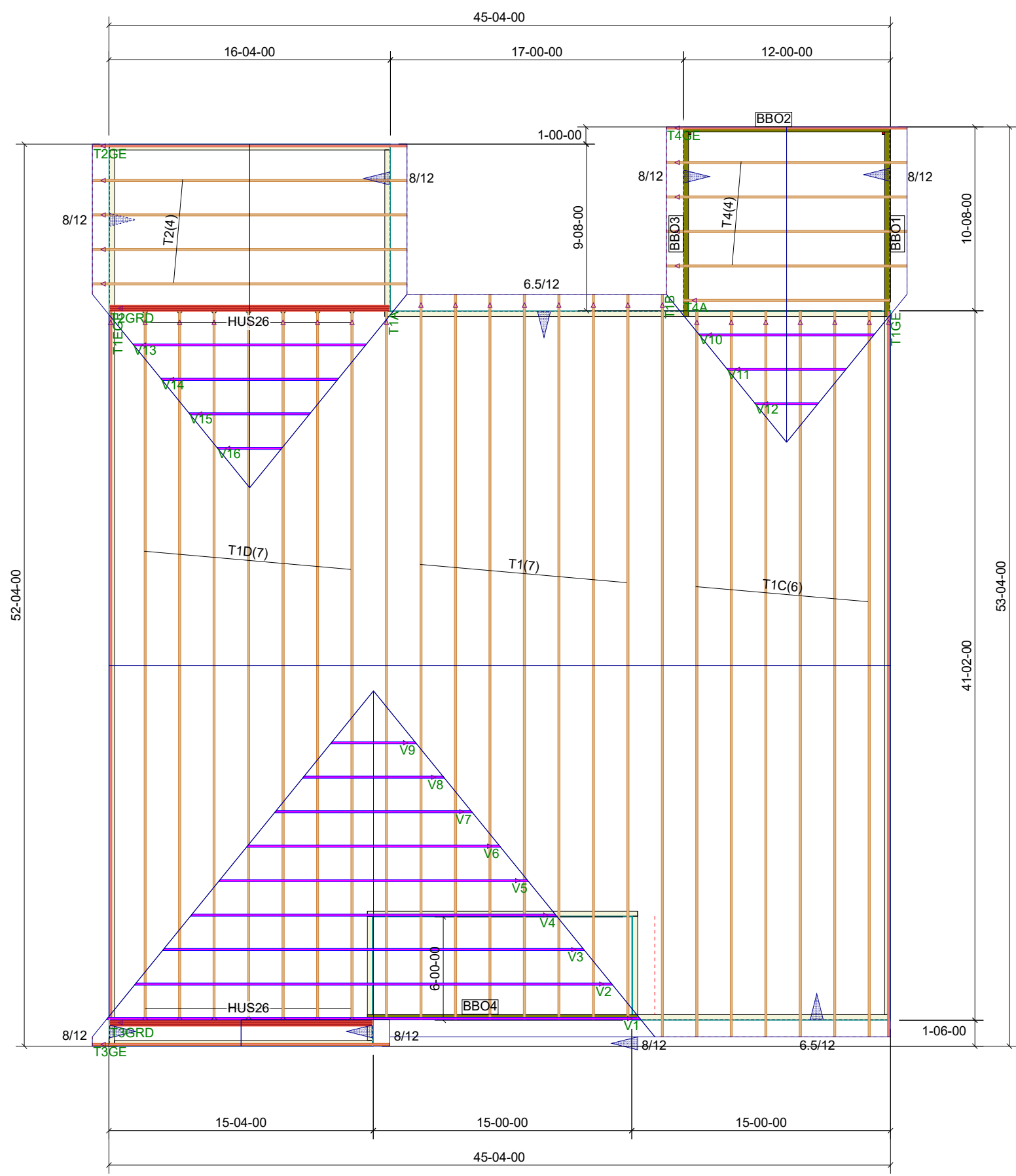
Top Chord Live Load	20# PSF
Top Chord Dead Load	10# PSF
Bottom Chord Live Load	0# PSF
Bottom Chord Dead Load	10# PSF

Trusses are designed for additional storage load wherever a 42"x24" box will fit between the webs.

- △ - This symbol denotes left end of truss as shown on truss drawings
- - Approximate location of toilet drop. Builder please confirm.

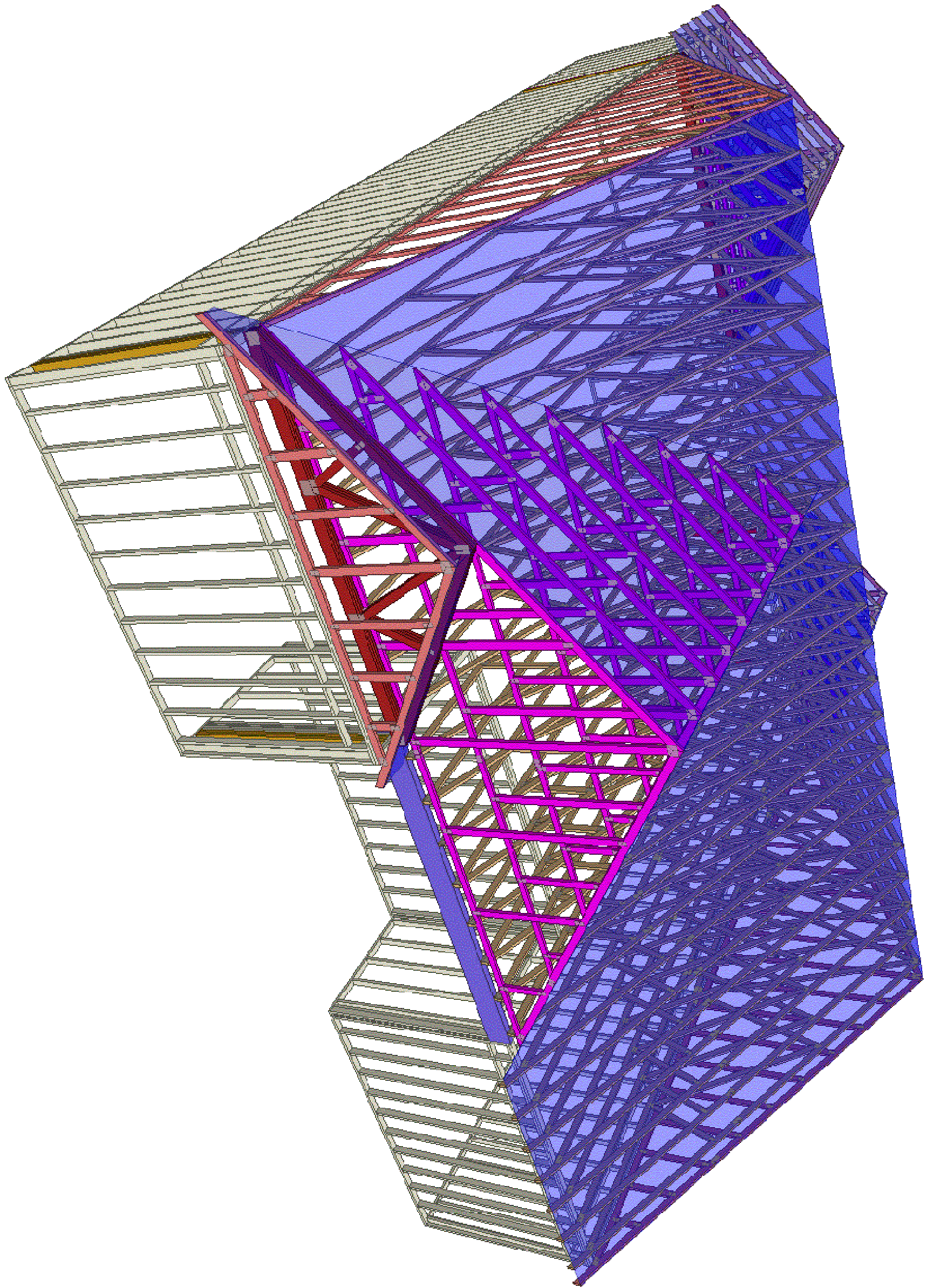
Truss connections by others:

- N - Nailed
- L - Ledger



**Robertson
1' OH, 2' OC**

Truss Connector Total List		
Manuf	Product	Qty
USP	HUS26	14



**Peak Truss
Builders, LLC**

PO Box 340, New Hill, NC 27562

Guy C Lee - Clayton
151 Hwy 42 E
Clayton, NC
27520

Date Quoted:

Designer:
Aron Meeks

Robertson

Job #

Q-2003191

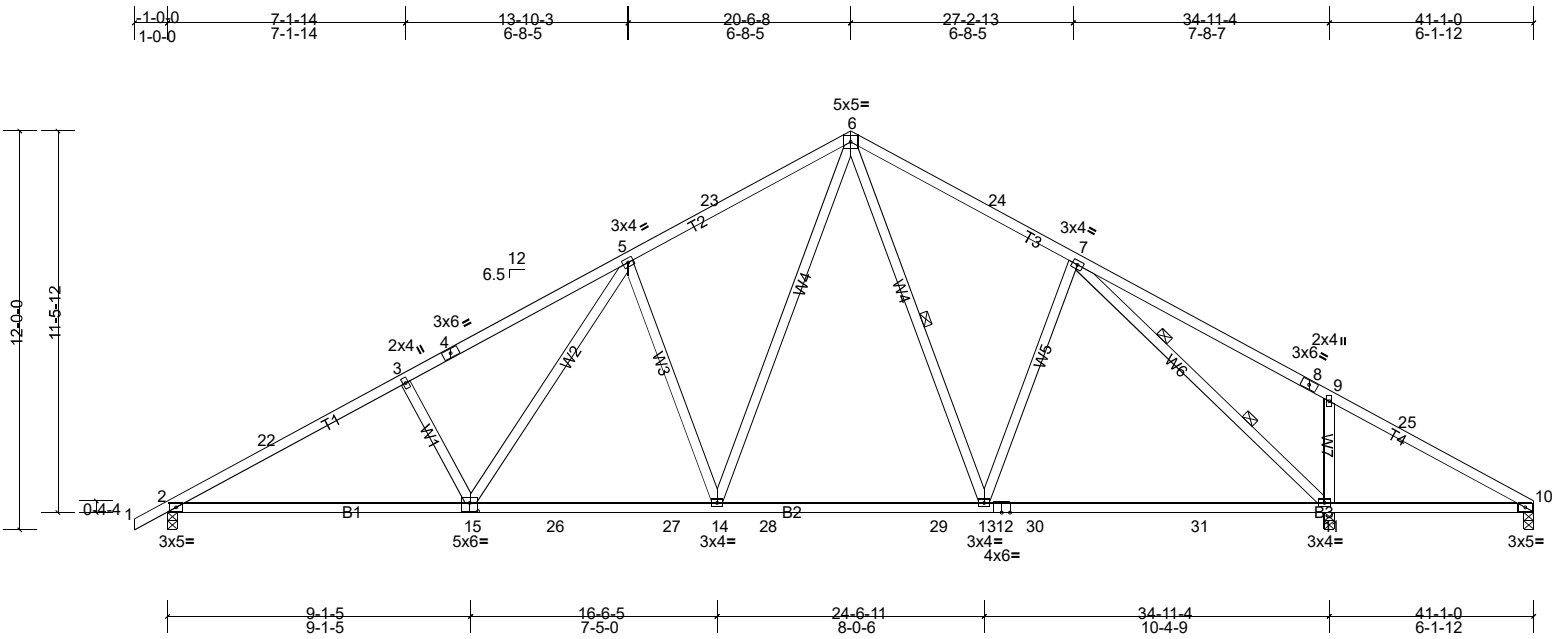
Job Q-2003191-1	Truss T1	Truss Type Common	Qty 7	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:17

Page: 1

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Scale = 1:69.3

Plate Offsets (X, Y): [15:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.28	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.49	11-13	>858	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 230 lb FT = 20%

LUMBER

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

REACTIONS (lb/size) 2=1437/0-3-8, (min. 0-2-5), 10=122/0-3-8, (min. 0-1-8), 11=1788/0-3-8, (min. 0-2-15)
 Max Horiz 2=199 (LC 10)
 Max Uplift 2=-200 (LC 11), 10=-2 (LC 22), 11=-255 (LC 11)
 Max Grav 2=1460 (LC 16), 10=160 (LC 21), 11=1888 (LC 17)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-22=-2470/300, 3-22=-2420/323, 3-4=-2337/331, 4-5=-2192/366, 5-23=-1707/344, 6-23=-1619/368, 6-24=-1350/325, 7-24=-1440/291
 BOT CHORD 2-15=-199/2261, 15-26=-68/1738, 26-27=-68/1738, 14-27=-68/1738, 14-28=0/1173, 28-29=0/1173, 13-29=0/1173, 12-13=-6/1163, 12-30=-6/1163, 30-31=-6/1163, 11-31=-6/1163
 WEBS 9-11=-447/231, 3-15=-385/187, 5-15=-84/661, 5-14=-693/244, 6-14=-154/986, 6-13=-41/348, 7-13=-76/267, 7-11=-1754/176

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-1-5, Interior (1) 3-1-5 to 20-6-8, Exterior (2) 20-6-8 to 24-7-13, Interior (1) 24-7-13 to 41-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 2, 255 lb uplift at joint 11 and 2 lb uplift at joint 10.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

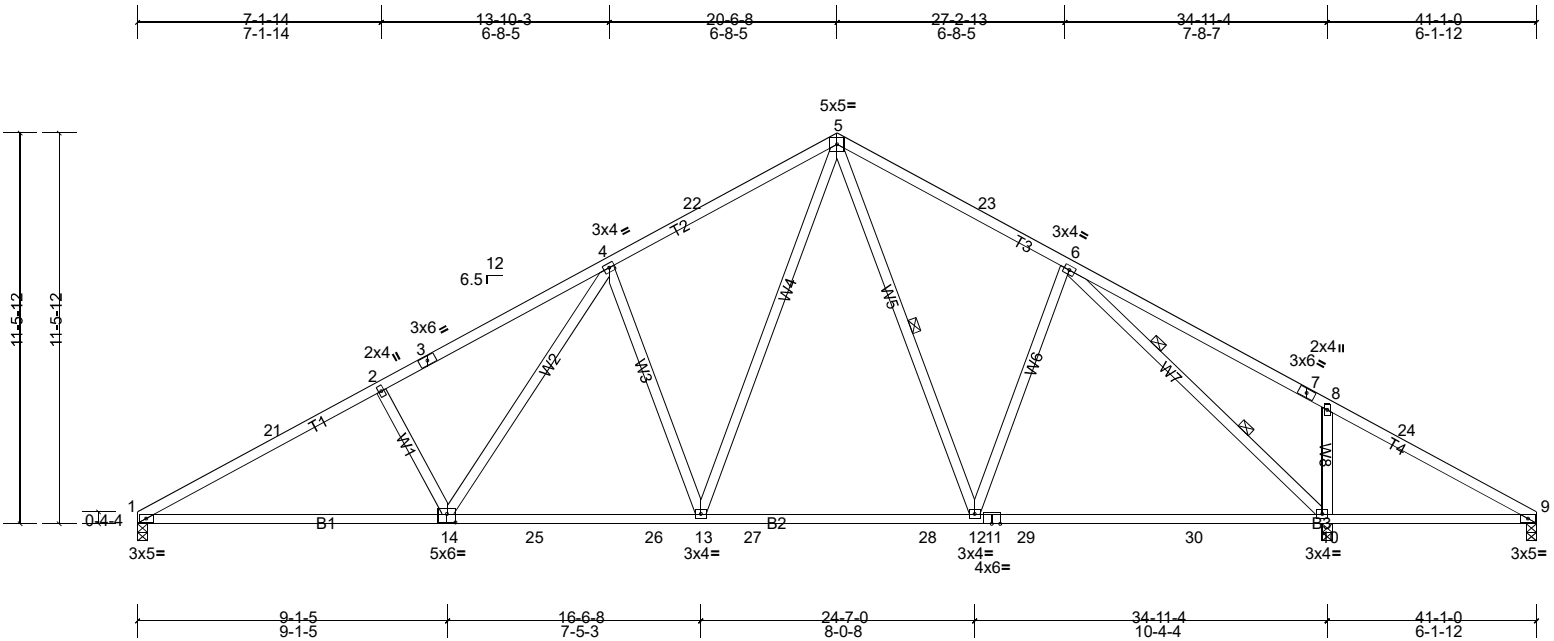
Job Q-2003191-1	Truss T1A	Truss Type Common	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:17

Page: 1

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Scale = 1:67.7

Plate Offsets (X, Y): [14:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.48	10-12	>868	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 228 lb FT = 20%

LUMBER

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

REACTIONS (lb/size) 1=1376/0-3-8, (min. 0-2-3), 9=122/0-3-8, (min. 0-1-8),
 10=1789/0-3-8, (min. 0-2-15)
 Max Horiz 1=-192 (LC 9)
 Max Uplift 1=-164 (LC 11), 9=-1 (LC 22), 10=-256 (LC 11)
 Max Grav 1=1406 (LC 16), 9=160 (LC 21), 10=1888 (LC 17)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-21=-2477/308, 2-21=-2406/328, 2-3=-2343/336, 3-4=-2198/371, 4-22=-1707/345, 5-22=-1619/369, 5-23=-1351/327,
 6-23=-1441/292
 BOT CHORD 1-14=-205/2267, 14-25=-70/1740, 25-26=-70/1740, 13-26=-70/1740, 13-27=0/1174, 27-28=0/1174, 12-28=0/1174,
 11-12=-6/1165, 11-29=-6/1165, 29-30=-6/1165, 10-30=-6/1165
 WEBS 8-10=-447/231, 2-14=-388/190, 4-14=-89/667, 4-13=-695/245, 5-13=-155/987, 5-12=-41/347, 6-12=-76/267,
 6-10=-1756/177

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 4-1-5, Interior (1) 4-1-5 to 20-6-8, Exterior (2) 20-6-8 to 24-7-13, Interior (1) 24-7-13 to 41-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 1, 256 lb uplift at joint 10 and 1 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

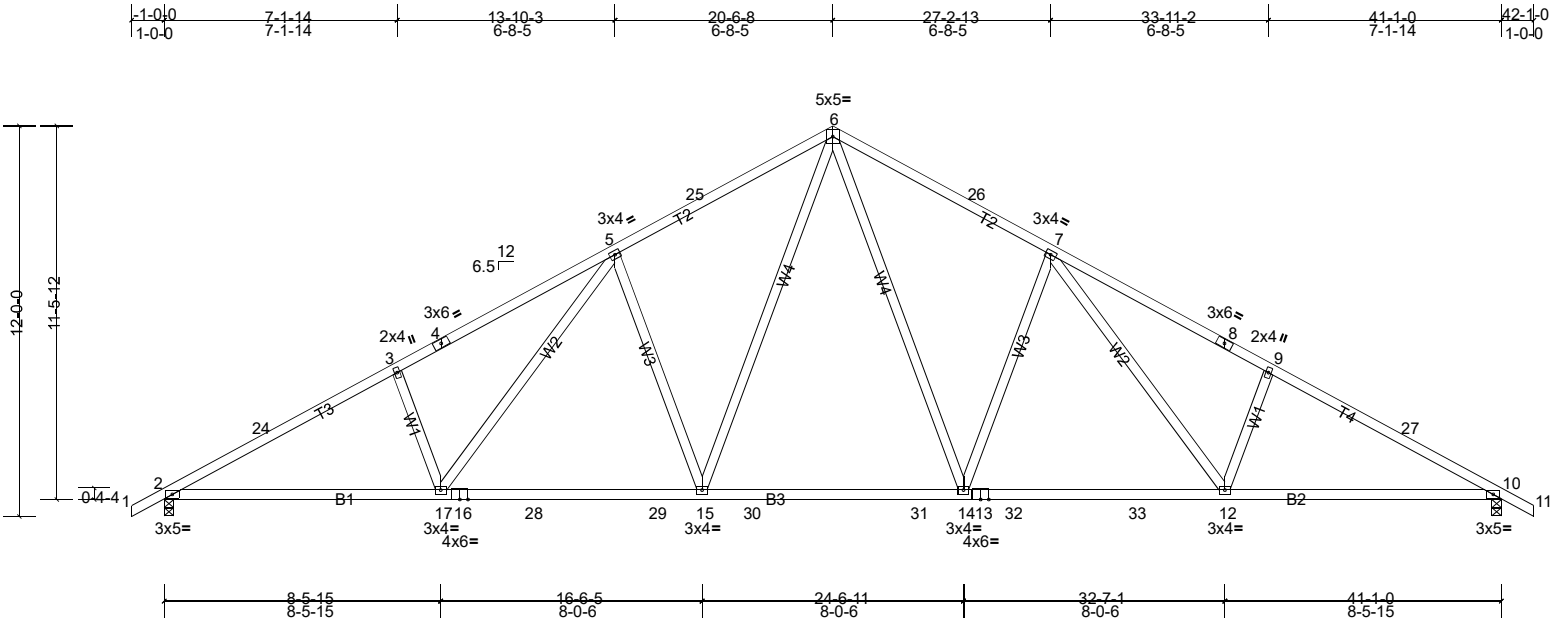
Job Q-2003191-1	Truss T1B	Truss Type Common	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:17

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ID:gvpVffObxbK9gwxT8ll_48zu6T5_HjYj4TIV?iWvii1xAg_mKgMh0rHD9SKKIOW2zu6KS



Scale = 1:70.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.22	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.42	14-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 231 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1703/0-3-8, (min. 0-2-11), 10=1703/0-3-8, (min. 0-2-11)
Max Horiz 2=202 (LC 10)
Max Uplift 2=-237 (LC 11), 10=-237 (LC 11)
Max Grav 2=1728 (LC 16), 10=1728 (LC 17)

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

FORCES

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

TOP CHORD 2-24=-3054/372, 3-24=-2985/395, 3-4=-2952/428, 4-5=-2808/463, 5-25=-2267/421, 6-25=-2180/444, 6-26=-2180/444, 7-26=-2267/421, 7-8=-2808/463, 8-9=-2953/428, 9-27=-2985/395, 10-27=-3054/372
BOT CHORD 2-17=-238/2763, 16-17=-112/2233, 16-28=-112/2233, 28-29=-112/2233, 15-29=-112/2233, 15-30=0/1662, 30-31=0/1662, 14-31=0/1662, 13-14=-112/2120, 13-32=-112/2120, 32-33=-112/2120, 12-33=-112/2120, 10-12=-238/2612
WEBS 6-14=-146/1013, 7-14=-681/248, 7-12=-106/702, 9-12=-382/191, 6-15=-146/1013, 5-15=-681/248, 5-17=-106/702, 3-17=-382/191

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 3-1-5, Interior (1) 3-1-5 to 20-6-8, Exterior (2) 20-6-8 to 24-7-13, Interior (1) 24-7-13 to 42-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 2 and 237 lb uplift at joint 10.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

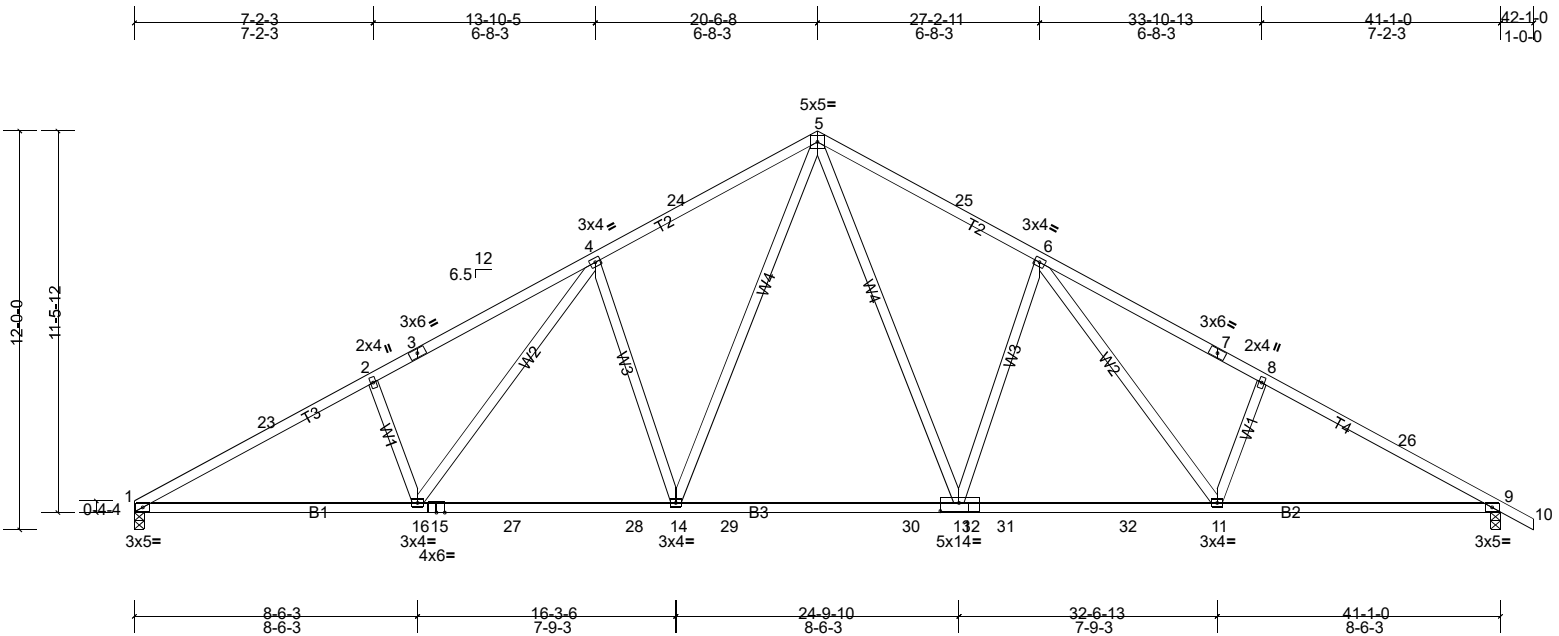
Job Q-2003191-1	Truss T1C	Truss Type Common	Qty 6	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:18

Page: 1

ID:6J_uwdXwlmTokVJw0?PzAzu6Wo-SUHwx555Tp7Z83HxbehvXzsqh4Lo0gbcZ_1y3Uzu6KR



Scale = 1:69.3

Plate Offsets (X, Y): [12:0-6-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.25	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.48	13-14	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 229 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1643/0-3-8, (min. 0-2-10), 9=1704/0-3-8, (min. 0-2-11)
 Max Horiz 1=-199 (LC 9)
 Max Uplift 1=-202 (LC 11), 9=-238 (LC 11)
 Max Grav 1=1676 (LC 16), 9=1730 (LC 17)

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-23=-3058/382, 2-23=-2972/402, 2-3=-2957/435, 3-4=-2813/470, 4-24=-2298/428, 5-24=-2211/451, 5-25=-2210/451, 6-25=-2297/427, 6-7=-2807/465, 7-8=-2951/431, 8-26=-2983/397, 9-26=-3052/374
 BOT CHORD 1-16=-244/2767, 15-16=-112/2240, 15-27=-112/2240, 27-28=-112/2240, 14-28=-112/2240, 14-29=0/1663, 29-30=0/1663, 13-30=0/1663, 12-13=-111/2126, 12-31=-111/2126, 31-32=-111/2126, 11-32=-111/2126, 9-11=-239/2610
 WEBS 5-13=-150/1035, 6-13=-682/251, 6-11=-110/690, 8-11=-383/191, 5-14=-151/1037, 4-14=-684/253, 4-16=-116/696, 2-16=-386/193

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 4-1-5, Interior (1) 4-1-5 to 20-6-8, Exterior (2) 20-6-8 to 24-7-13, Interior (1) 24-7-13 to 42-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 1 and 238 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

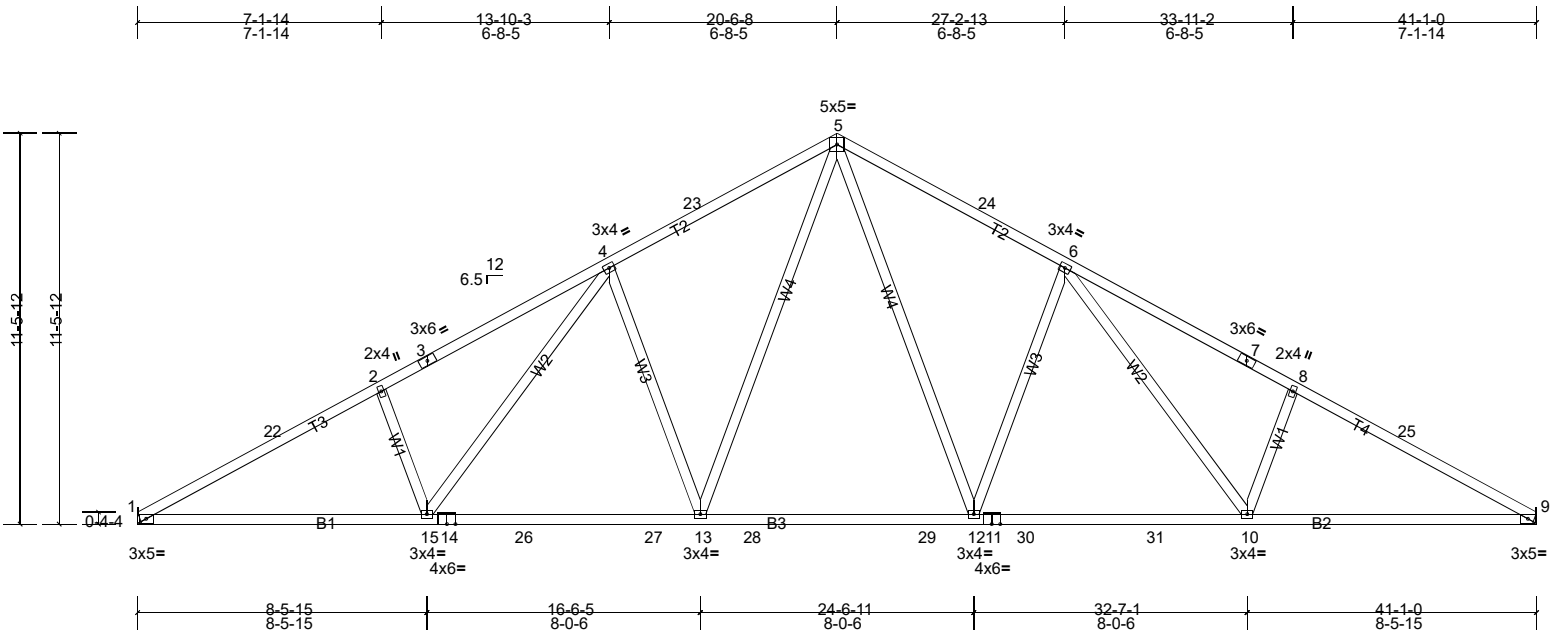
Job Q-2003191-1	Truss T1D	Truss Type Common	Qty 7	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:18

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ID:1sc0JNSj7Y5nhpRxl9nCzu6T0-SUHwx555Tp7Z83HxbehvXzsqp4M50gMcZ_1y3Uzu6KR



Scale = 1:67.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.22	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.42	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 227 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1643/ Mechanical, (min. 0-1-8), 9=1643/ Mechanical, (min. 0-1-8)

Max Horiz 1=-192 (LC 9)
 Max Uplift 1=-202 (LC 11), 9=-202 (LC 11)
 Max Grav 1=1675 (LC 16), 9=1675 (LC 17)

FORCES

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

TOP CHORD 1-22=-3061/382, 2-22=-2975/402, 2-3=-2960/436, 3-4=-2816/470, 4-23=-2270/423, 5-23=-2183/447, 5-24=-2183/447, 6-24=-2270/423, 6-7=-2816/470, 7-8=-2961/436, 8-25=-2976/402, 9-25=-3061/382
 BOT CHORD 1-15=-270/2765, 14-15=-140/2230, 14-26=-140/2230, 26-27=-140/2230, 13-27=-140/2230, 13-28=-7/1659, 28-29=-7/1659, 12-29=-7/1659, 11-12=-140/2117, 11-30=-140/2117, 30-31=-140/2117, 10-31=-140/2117, 9-10=-270/2621
 WEBS 5-12=-147/1015, 6-12=-683/250, 6-10=-112/708, 8-10=-385/193, 5-13=-147/1014, 4-13=-683/250, 4-15=-112/708, 2-15=-385/193

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 4-1-5, Interior (1) 4-1-5 to 20-6-8, Exterior (2) 20-6-8 to 24-7-13, Interior (1) 24-7-13 to 41-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 1 and 202 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

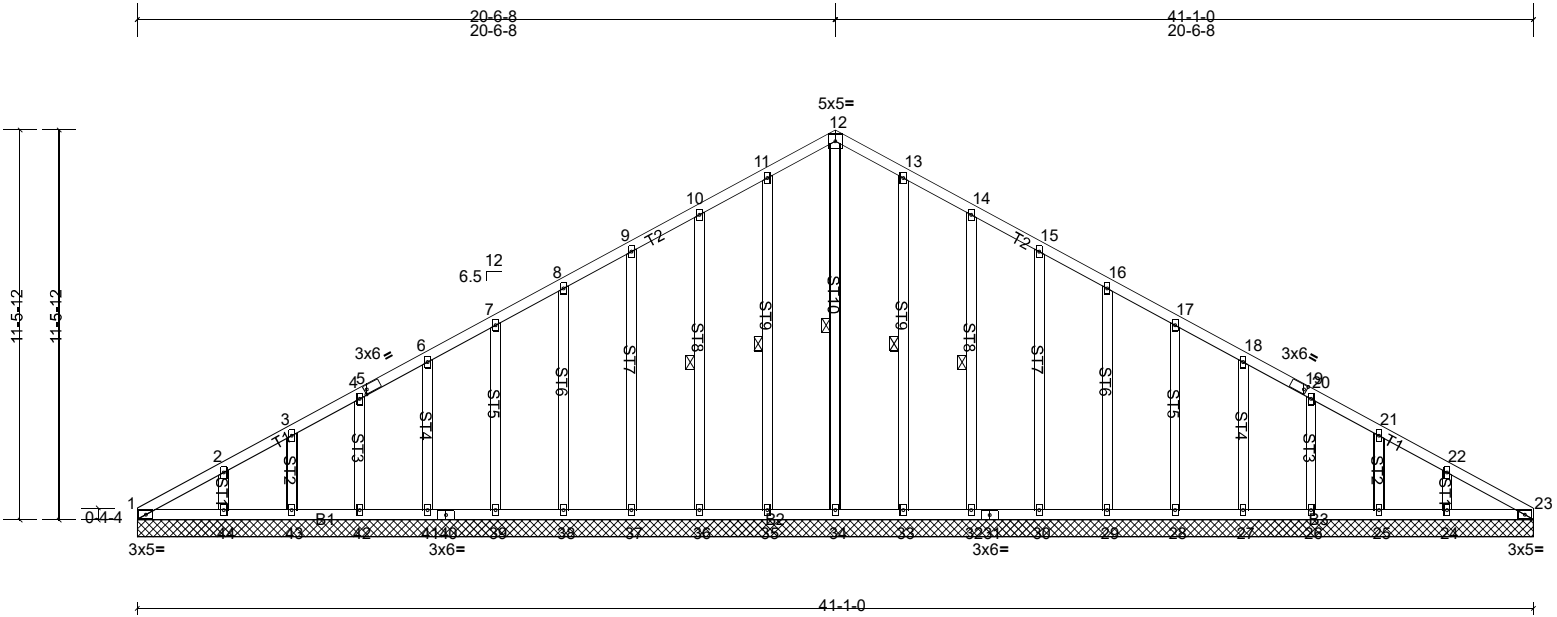
Job Q-2003191-1	Truss T1EGE	Truss Type Common Supported Gable	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:19

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Scale = 1:67.8

Plate Offsets (X, Y): [5:0-0-15,0-1-8], [19:0-0-15,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	0.05	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.01	23	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 295 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 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.
 WEBS 1 Row at midpt 12-34, 11-35, 10-36, 13-33, 14-32

REACTIONS All bearings 41-1-0.
 (lb) - Max Horiz 1=192 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29, 30,
 32, 33, 35, 36, 37, 38, 39, 41, 42, 43, 44, 1
 Max Grav All reactions 250 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29,
 30, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 1, 23

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 11-12=-206/251, 12-13=-206/251

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-0-0 to 4-1-5, Exterior (2) 4-1-5 to 20-6-8, Corner (3) 20-6-8 to 24-6-8, Exterior (2) 24-6-8 to 41-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 35, 36, 37, 38, 39, 41, 42, 43, 44, 33, 32, 30, 29, 28, 27, 26, 25, 24, 1.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

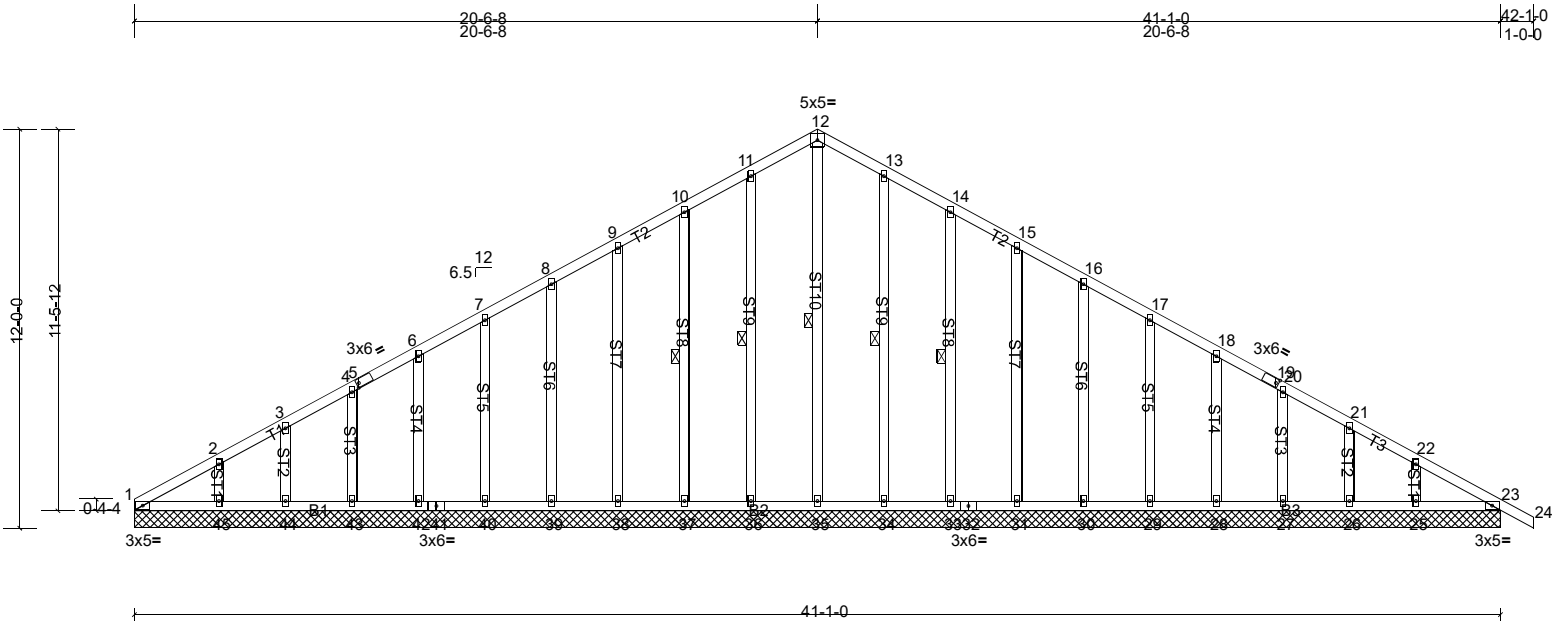
Job Q-2003191-1	Truss T1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:19

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ID:85Ntt?PDIuS014Wfi?HDcMzu6T4-wgrJ8R6jE6FQmCs89LD83BP8qUsXlIdloenVbxzu6KQ



Scale = 1:69.3

Plate Offsets (X, Y): [5:0-0-15,0-1-8], [19:0-0-15,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	0.05	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	49	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								
											Weight: 297 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 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.
 WEBS 1 Row at midpt 12-35, 11-36, 10-37, 13-34, 14-33

REACTIONS All bearings 41-1-0.

(lb) - Max Horiz 1=-199 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 42, 43, 44, 45, 1
 Max Grav All reactions 250 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 1, 23

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

TOP CHORD 11-12=-210/260, 12-13=-210/260

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=41ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-0-0 to 4-1-5, Exterior (2) 4-1-5 to 20-6-8, Corner (3) 20-6-8 to 24-6-8, Exterior (2) 24-6-8 to 42-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 36, 37, 38, 39, 40, 42, 43, 44, 45, 34, 33, 31, 30, 29, 28, 27, 26, 25, 1.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

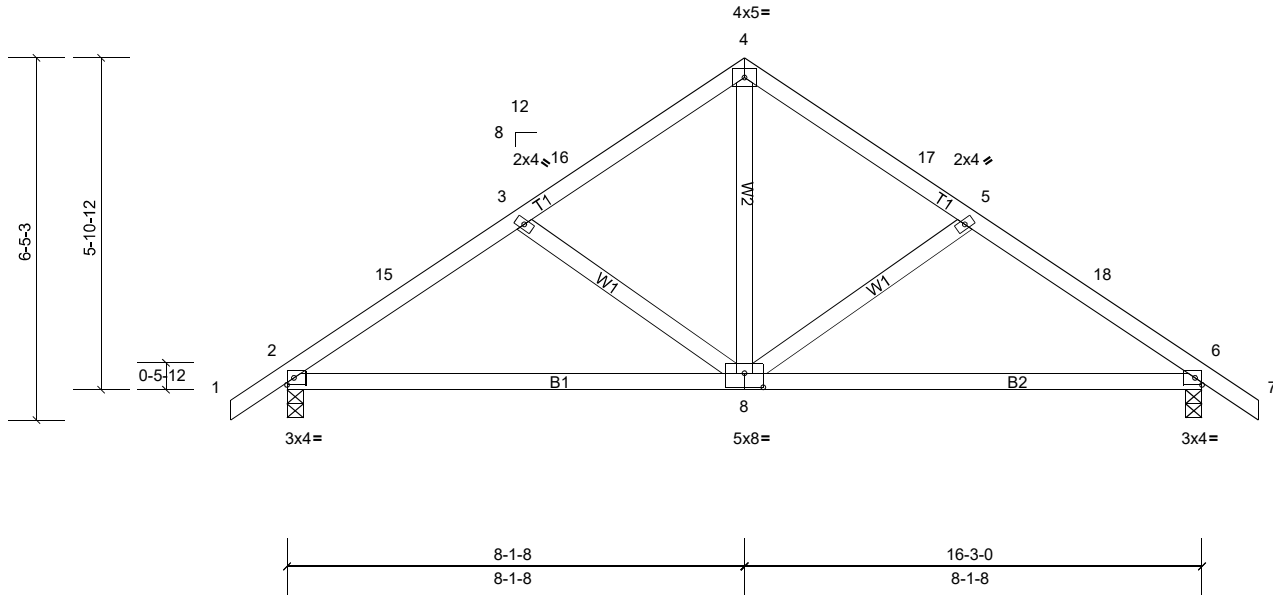
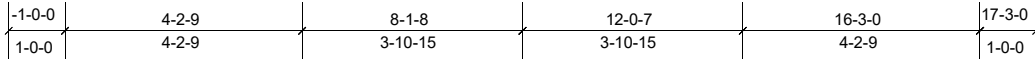
Job Q-2003191-1	Truss T2	Truss Type Common	Qty 4	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Mon Jan 18 14:24:19

Page: 1

ID: CiF6SJNzAHCJ3mMHaaEIXxzu6T6-wgrJ8R6jE6FQmCs89LD83BP6BUoPII1loenVbxzu6KQ



Scale = 1:40.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.02	8	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.08	8-14	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 79 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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=710/0-3-8, (min. 0-1-8), 6=710/0-3-8, (min. 0-1-8)
 Max Horiz 2=109 (LC 10)
 Max Uplift 2=-115 (LC 11), 6=-115 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-883/125, 3-15=-824/148, 3-16=-671/110, 4-16=-597/130, 4-17=-597/130, 5-17=-671/110, 5-18=-824/148, 6-18=-883/125
 BOT CHORD 2-8=-30/689, 6-8=-30/689
 WEBS 4-8=-46/449

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 8-1-8, Exterior (2) 8-1-8 to 11-1-8, Interior (1) 11-1-8 to 17-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 2 and 115 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

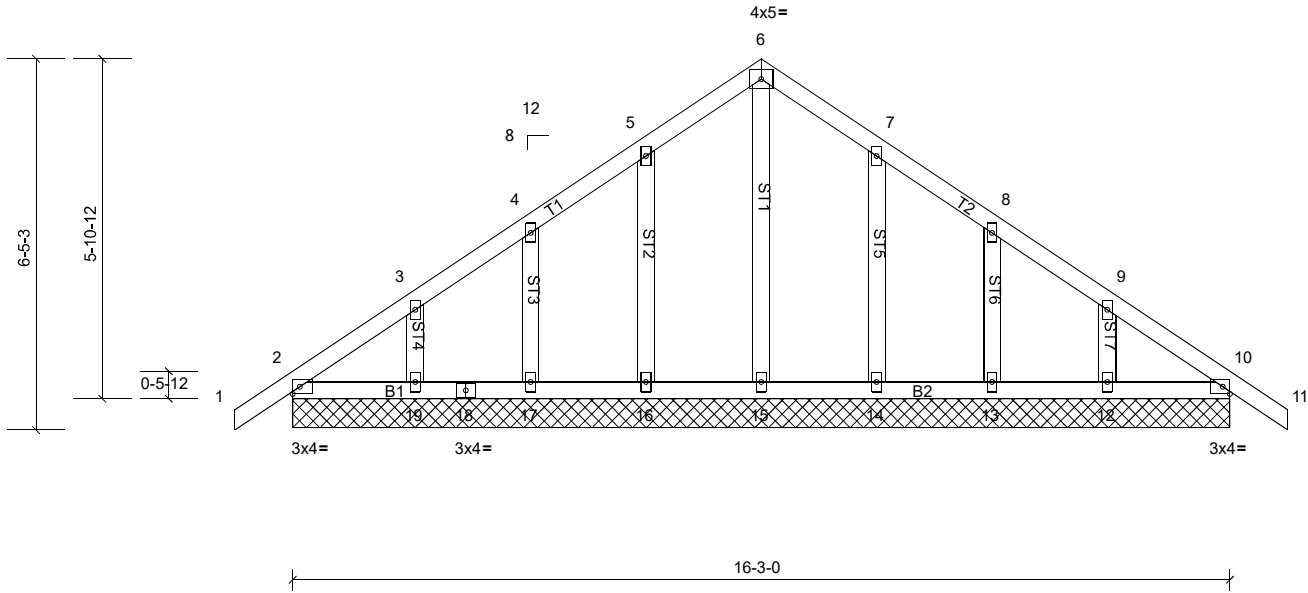
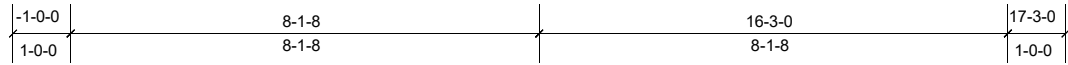
Job Q-2003191-1	Truss T2GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Loading	(psf)	Spacing	2-0-0	CSI	0.11	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 89 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 10-0-0 oc purlins.
 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 All bearings 16-3-0.
 (lb) - Max Horiz 2=-109 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 12, 13, 14, 16, 17, 19, 2
 Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 16, 17, 19, 2
 except 12=252 (LC 1), 15=341 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-15=-303/0

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-1-8, Exterior (2) 2-1-8 to 8-1-8, Corner (3) 8-1-8 to 11-1-8, Exterior (2) 11-1-8 to 17-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 19, 14, 13, 12, 2.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

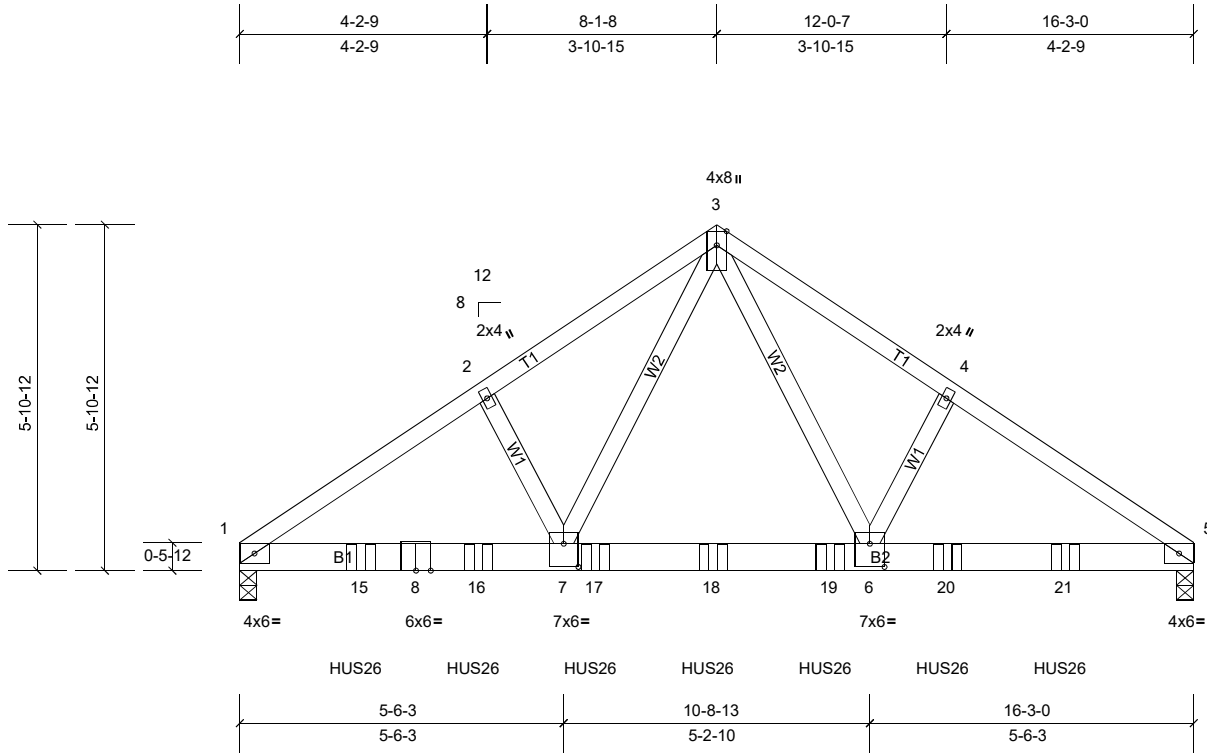
Job Q-2003191-1	Truss T2GRD	Truss Type Common Girder	Qty 1	Ply 3	Robertson-Robertson Job Reference (optional)
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Scale = 1:39.3

Plate Offsets (X, Y): [6:0-3-0,0-4-12], [7:0-3-0,0-4-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.07	6-7	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.14	6-7	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.03	5	n/a	n/a	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 279 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 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.

REACTIONS (lb/size) 1=6375/0-3-8, (min. 0-3-5), 5=6288/0-3-8, (min. 0-3-5)
Max Horiz 1=-97 (LC 5)
Max Uplift 1=-836 (LC 7), 5=-825 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9086/1222, 2-3=-9009/1267, 3-4=-8987/1264, 4-5=-9060/1219
BOT CHORD 1-15=-963/7560, 8-15=-963/7560, 8-16=-963/7560, 7-16=-963/7560, 7-17=-591/5137, 17-18=-591/5137,
18-19=-591/5137, 6-19=-591/5137, 6-20=-960/7539, 20-21=-960/7539, 5-21=-960/7539
WEBS 3-6=-722/5338, 4-6=-270/136, 3-7=-727/5381, 2-7=-277/137

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 836 lb uplift at joint 1 and 825 lb uplift at joint 5.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 14-0-12 to connect truss (es) T1D (1 ply 2x4 SP) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 15=-1623 (F), 16=-1623 (F), 17=-1623 (F), 18=-1623 (F), 19=-1623 (F), 20=-1623 (F), 21=-1623 (F)

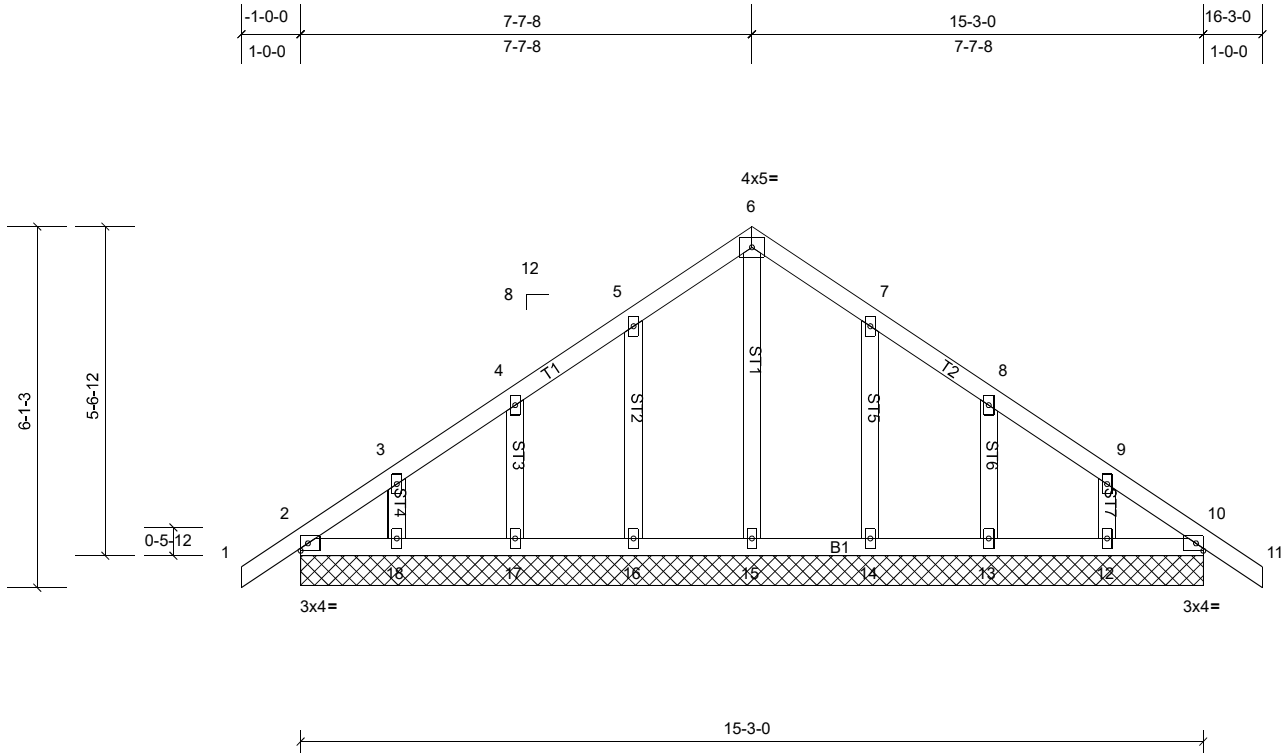
Job Q-2003191-1	Truss T3GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:38.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 82 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 10-0-0 oc purlins.
 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

All bearings 15-3-0.
 (lb) - Max Horiz 2=-103 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 12, 13, 14, 16, 17, 18, 2
 Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 16, 17, 18, 2
 except 15=296 (LC 1)

FORCES

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

WEBS

6-15=-257/0

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-0-0, Exterior (2) 2-0-0 to 7-7-8, Corner (3) 7-7-8 to 10-7-8, Exterior (2) 10-7-8 to 16-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 18, 14, 13, 12, 2.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

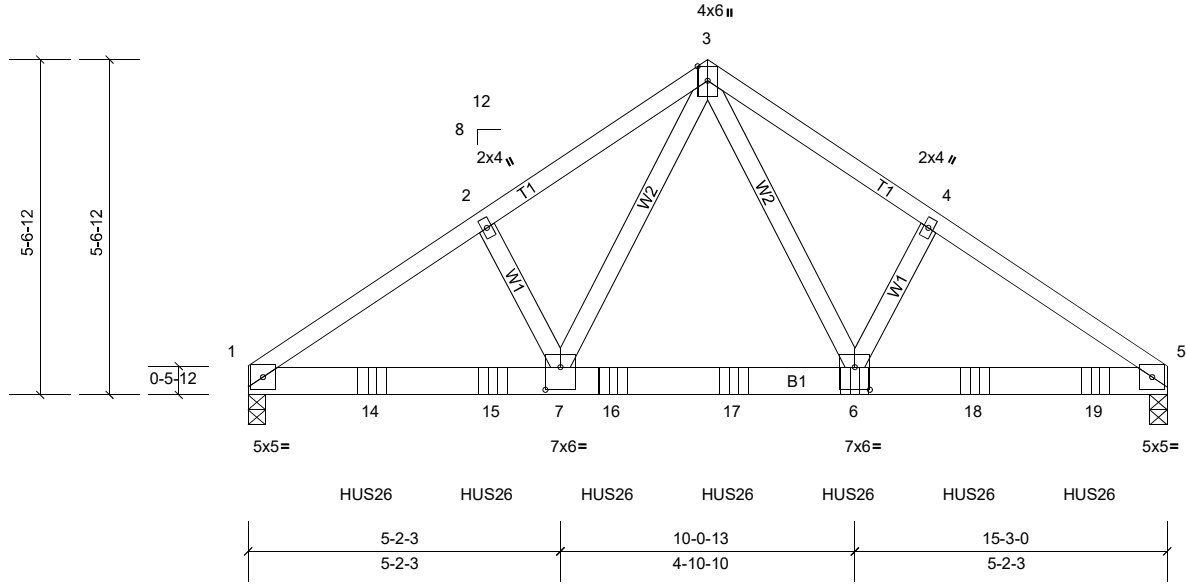
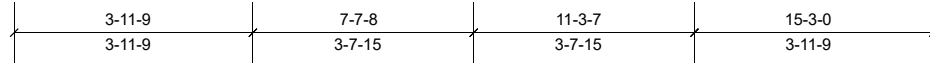
Job Q-2003191-1	Truss T3GRD	Truss Type Common Girder	Qty 1	Ply 3	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:38.2

Plate Offsets (X, Y): [6:0-3-0,0-4-8], [7:0-3-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.06	6-7	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.12	6-7	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.02	5	n/a	n/a	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 261 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 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.

REACTIONS (lb/size) 1=5965/0-3-8, (min. 0-3-2), 5=6618/0-3-8, (min. 0-3-7)
 Max Horiz 1=-91 (LC 5)
 Max Uplift 1=-782 (LC 7), 5=-868 (LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-8526/1147, 2-3=-8457/1190, 3-4=-8554/1203, 4-5=-8629/1160
 BOT CHORD 1-14=-903/7094, 14-15=-903/7094, 7-15=-903/7094, 7-16=-560/4864, 16-17=-560/4864, 6-17=-560/4864,
 6-18=-915/7187, 18-19=-915/7187, 5-19=-915/7187
 WEBS 3-6=-696/5154, 4-6=-284/132, 3-7=-673/4973

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 782 lb uplift at joint 1 and 868 lb uplift at joint 5.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 14-0-12 to connect truss (es) T1D (1 ply 2x4 SP) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-60, 3-5=-60, 8-11=-20
 Concentrated Loads (lb)
 Vert: 6=-1623 (B), 14=-1623 (B), 15=-1623 (B), 16=-1623 (B), 17=-1623 (B), 18=-1623 (B), 19=-1623 (B)

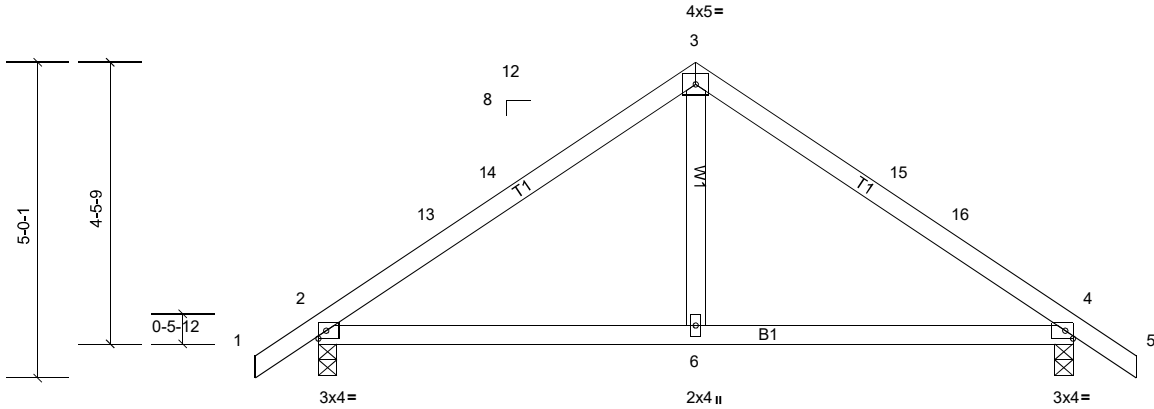
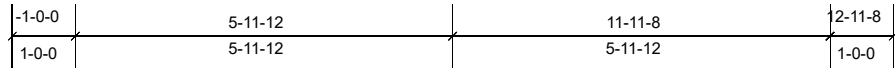
Job Q-2003191-1	Truss T4	Truss Type Common	Qty 4	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

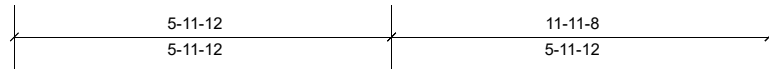
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Scale = 1:36.5



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.03	6-12	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	6-12	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 49 lb FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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=538/0-3-8, (min. 0-1-8), 4=538/0-3-8, (min. 0-1-8)
 Max Horiz 2=-83 (LC 9)
 Max Uplift 2=-94 (LC 11), 4=-94 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-568/62, 13-14=-477/69, 3-14=-472/89, 3-15=-472/89, 15-16=-477/69, 4-16=-568/62
 BOT CHORD 2-6=-39/393, 4-6=0/393

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-11-12, Exterior (2) 5-11-12 to 8-11-12, Interior (1) 8-11-12 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2 and 94 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

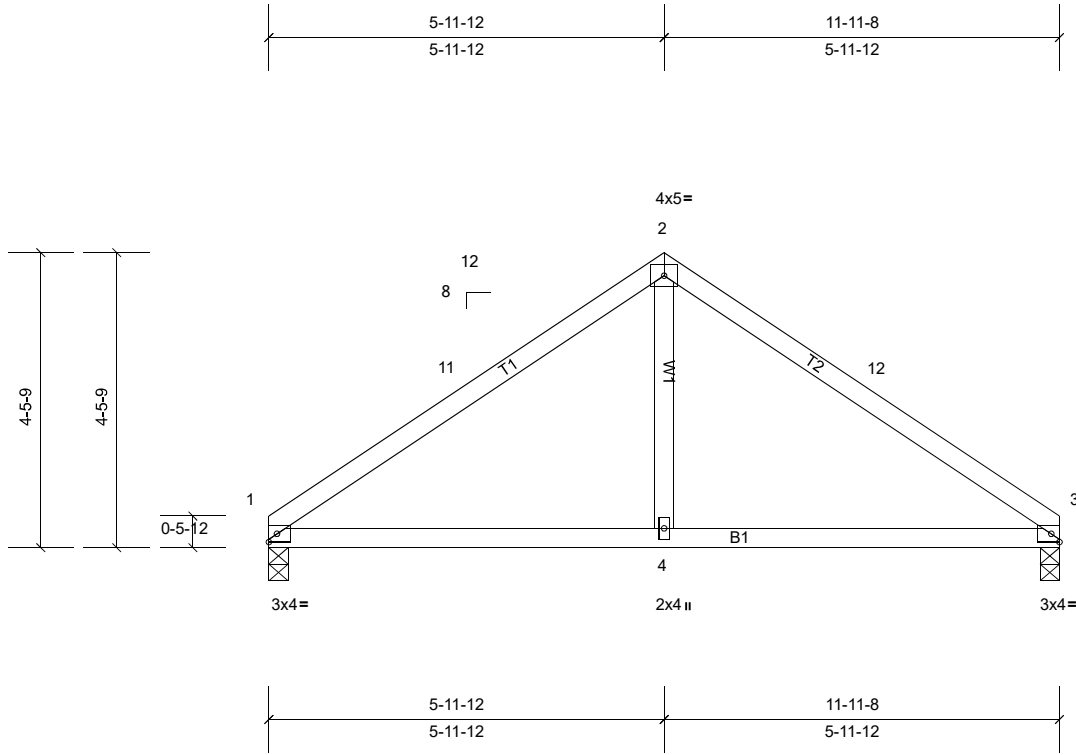
Job Q-2003191-1	Truss T4A	Truss Type Common	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:34.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.04	4-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.07	4-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								
											Weight: 45 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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) 1=478/0-3-8, (min. 0-1-8), 3=478/0-3-8, (min. 0-1-8)
 Max Horiz 1=-71 (LC 9)
 Max Uplift 1=-59 (LC 11), 3=-59 (LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-11=-578/77, 2-11=-485/97, 2-12=-485/97, 3-12=-578/77
 BOT CHORD 1-4=-84/403, 3-4=0/403

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 5-11-12, Exterior (2) 5-11-12 to 8-11-12, Interior (1) 8-11-12 to 11-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 1 and 59 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

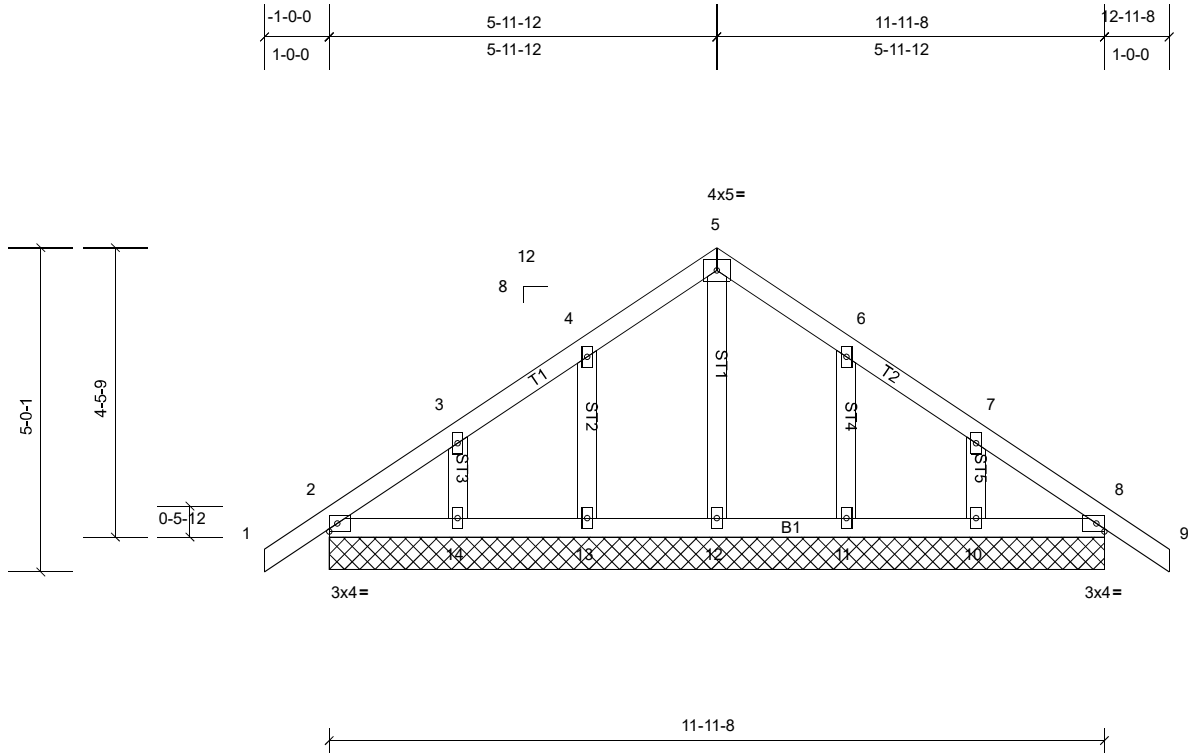
Job Q-2003191-1	Truss T4GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:35.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 60 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

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

REACTIONS

All bearings 11-11-8.
(lb) - Max Horiz 2=83 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 13, 14, 2
Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 13, 14, 2 except
12=356 (LC 1)

FORCES

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

WEBS

5-12=-308/5

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; B=20ft; L=20ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 1-11-12, Exterior (2) 1-11-12 to 5-11-12, Corner (3) 5-11-12 to 8-11-12, Exterior (2) 8-11-12 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 14, 11, 10, 2.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

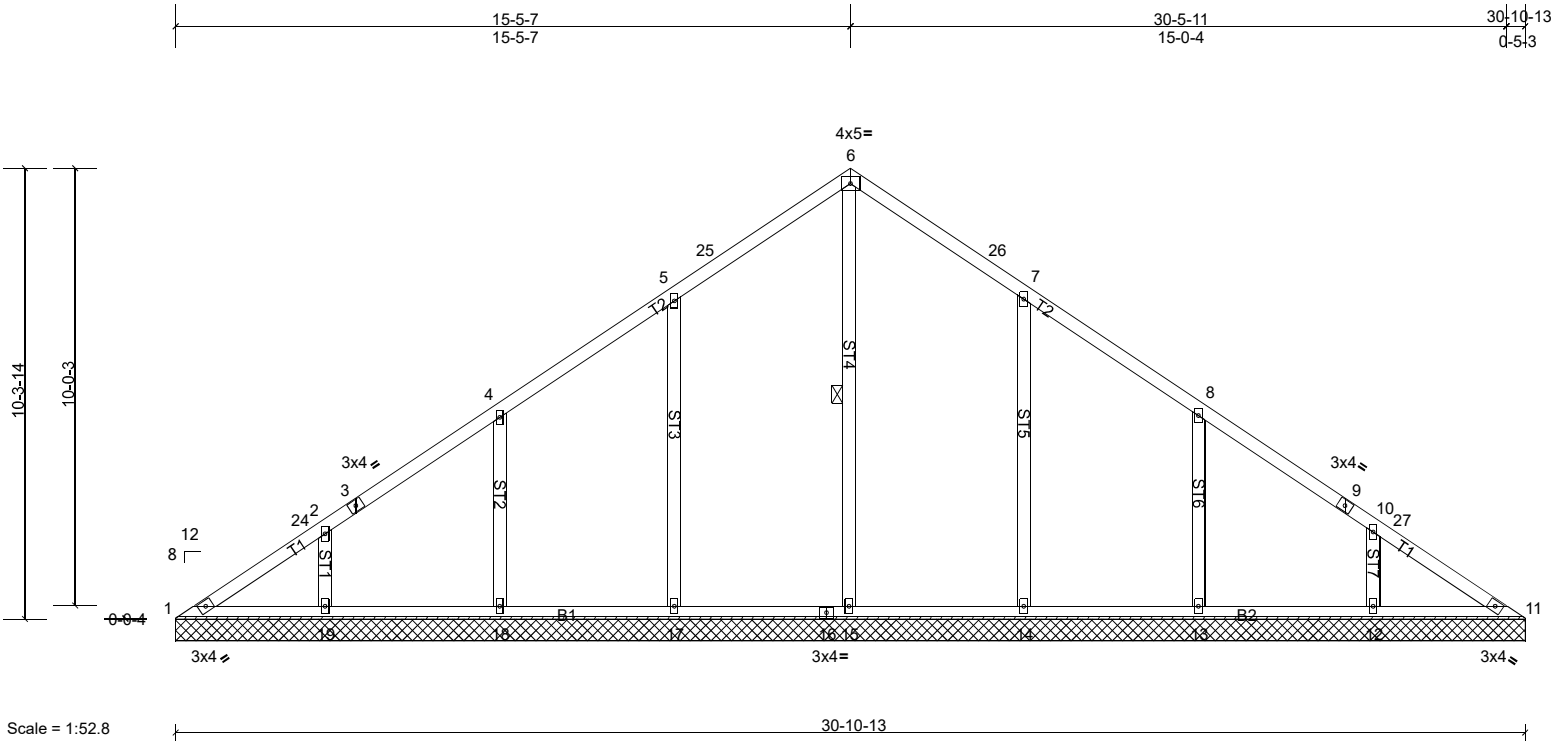
Job Q-2003191-1	Truss V1	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 154 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 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 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-15

REACTIONS All bearings 30-10-13.
 (lb) - Max Horiz 1=183 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1, 12, 19 except 13=-102 (LC 11), 14=-105 (LC 11), 17=-107 (LC 11), 18=-102 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 11 except 12=336 (LC 1), 13=376 (LC 17), 14=466 (LC 17), 15=399 (LC 16), 17=469 (LC 16), 18=375 (LC 16), 19=333 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 5-17=-261/154, 7-14=-258/152

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-1-7, Interior (1) 3-1-7 to 15-5-13, Exterior (2) 15-5-13 to 18-6-14, Interior (1) 18-6-14 to 30-11-3 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
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 19, 12 except (jt=lb) 17=106, 18=101, 14=104, 13=102.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

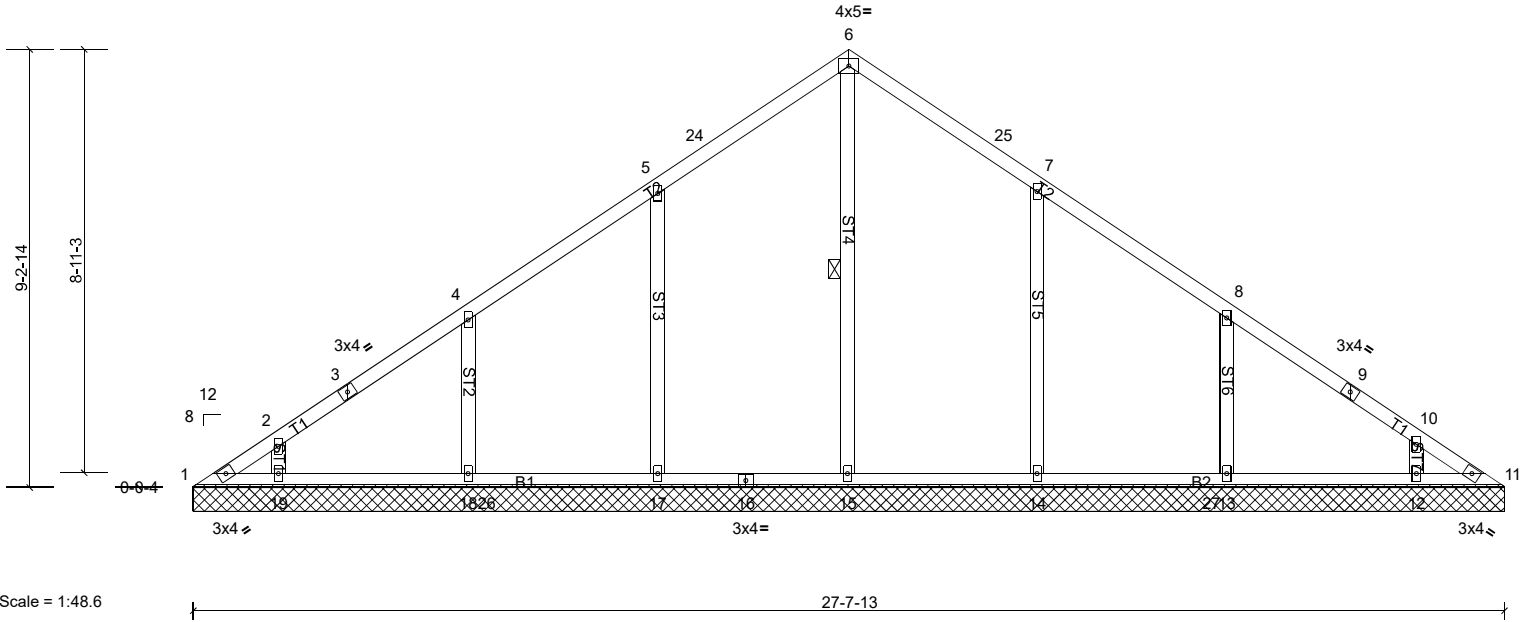
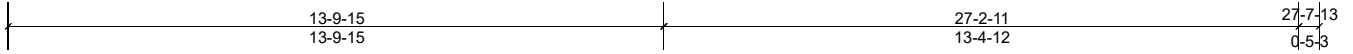
Job Q-2003191-1	Truss V2	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	0.14	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 132 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 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.
 WEBS 1 Row at midpt 6-15

REACTIONS All bearings 27-7-13.
 (lb) - Max Horiz 1=-162 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1, 11, 12, 19 except 13=-104 (LC 11), 14=-105 (LC 11), 17=-107 (LC 11), 18=-103 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 11 except 12=279 (LC 1), 13=378 (LC 17), 14=461 (LC 17), 15=362 (LC 16), 17=464 (LC 16), 18=375 (LC 16), 19=279 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 5-17=-260/154, 7-14=-257/152

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 13-10-5, Exterior (2) 13-10-5 to 16-10-5, Interior (1) 16-10-5 to 27-8-3 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
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 19, 12, 11 except (jt=lb) 17=106, 18=103, 14=104, 13=104.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

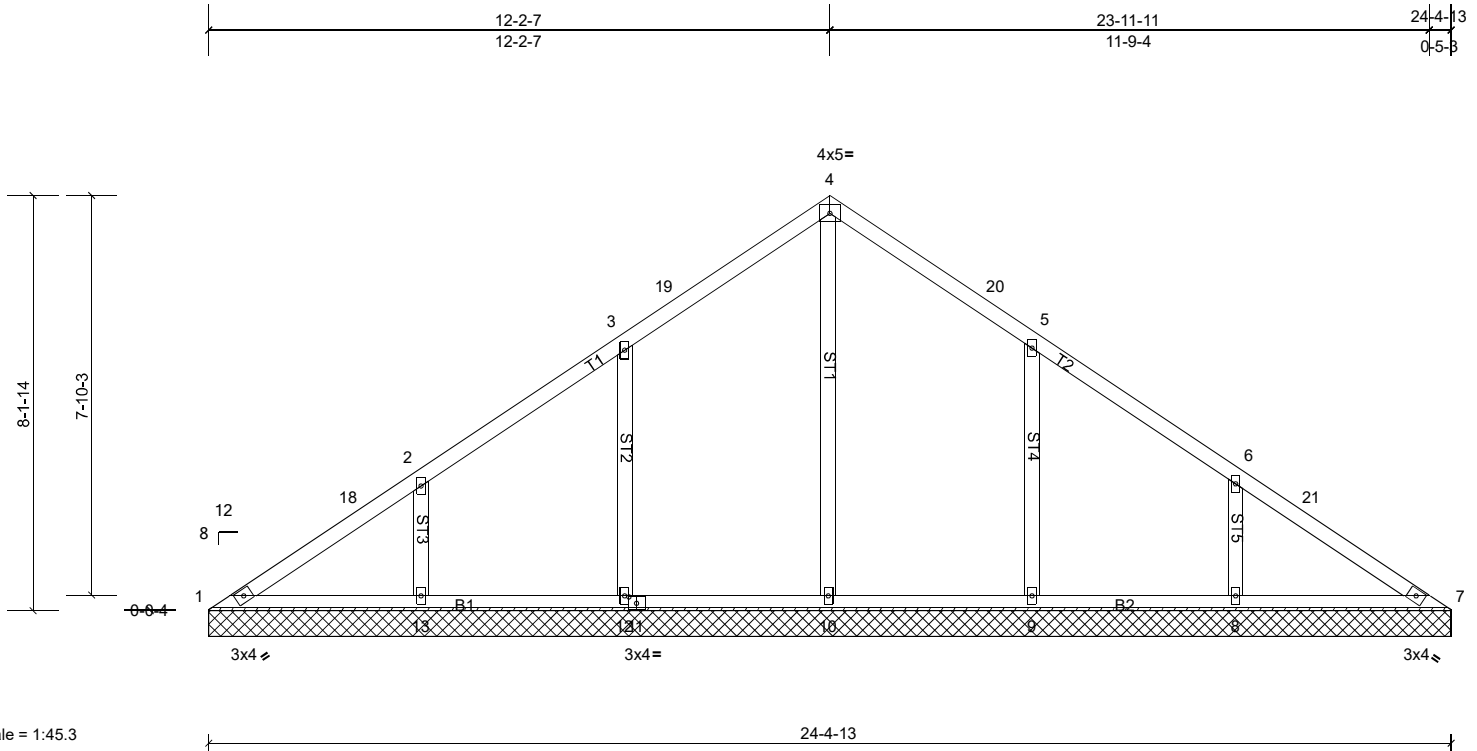
Job Q-2003191-1	Truss V3	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:45.3

Plate Offsets (X, Y): [11:0-1-13,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.31	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 111 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 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 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 All bearings 24-4-13.
 (lb) - Max Horiz 1=143 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 8=-103 (LC 11), 9=-105 (LC 11), 12=-107 (LC 11), 13=-101 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=369 (LC 1), 9=381 (LC 17), 10=471 (LC 16), 12=377 (LC 16), 13=364 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-266/0, 3-12=-258/158, 5-9=-255/155, 6-8=-253/141

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 12-2-13, Exterior (2) 12-2-13 to 15-2-13, Interior (1) 15-2-13 to 24-5-3 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
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 12, 101 lb uplift at joint 13, 105 lb uplift at joint 9 and 103 lb uplift at joint 8.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

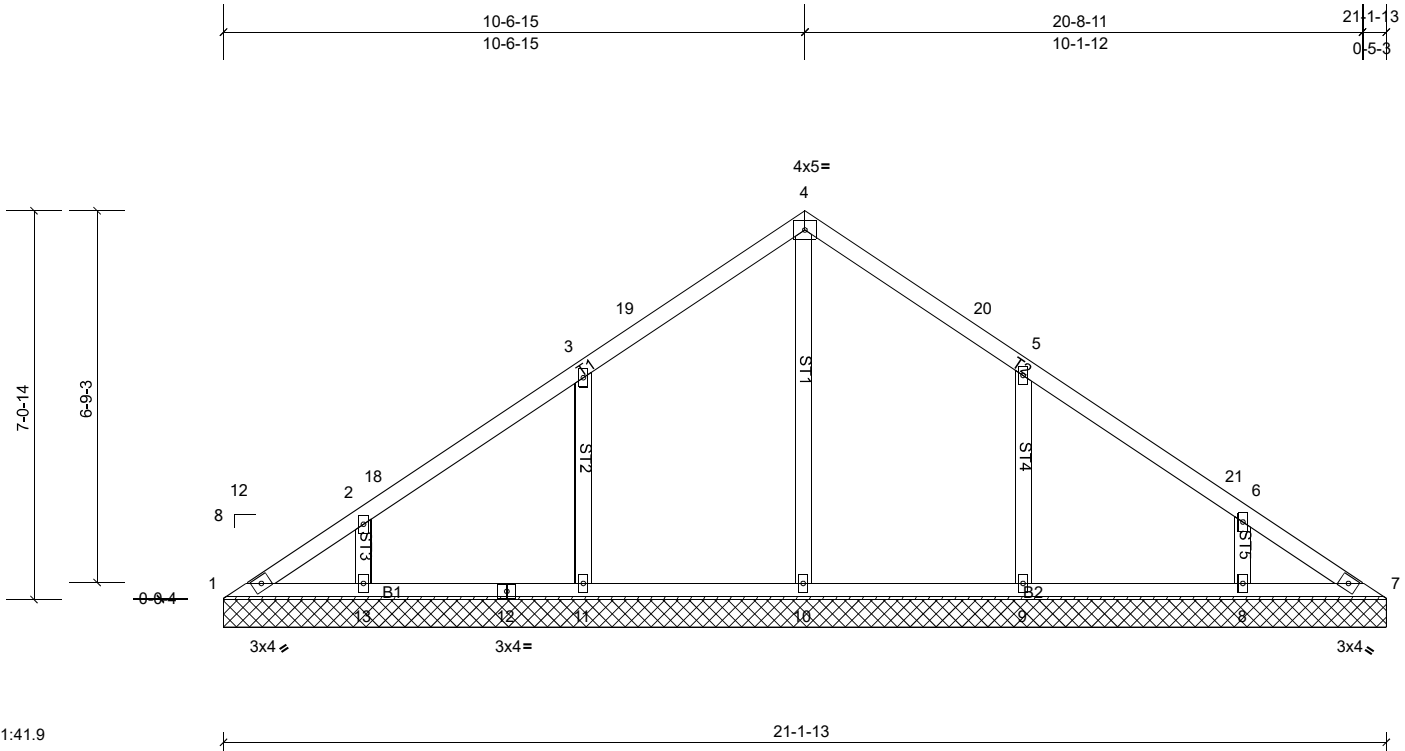
Job Q-2003191-1	Truss V4	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:41.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 92 lb	FT = 20%

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

BRACING
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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 All bearings 21-1-13.
 (lb) - Max Horiz 1=124 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) 1, 8, 13 except 9=-111 (LC 11), 11=-113 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=293 (LC 1), 9=402 (LC 17), 10=390 (LC 16), 11=405 (LC 16), 13=290 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=-268/162, 5-9=-265/160

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=21ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 10-7-5, Exterior (2) 10-7-5 to 13-7-5, Interior (1) 13-7-5 to 21-2-3 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
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 8 except (jt=lb) 11=113, 9=111.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

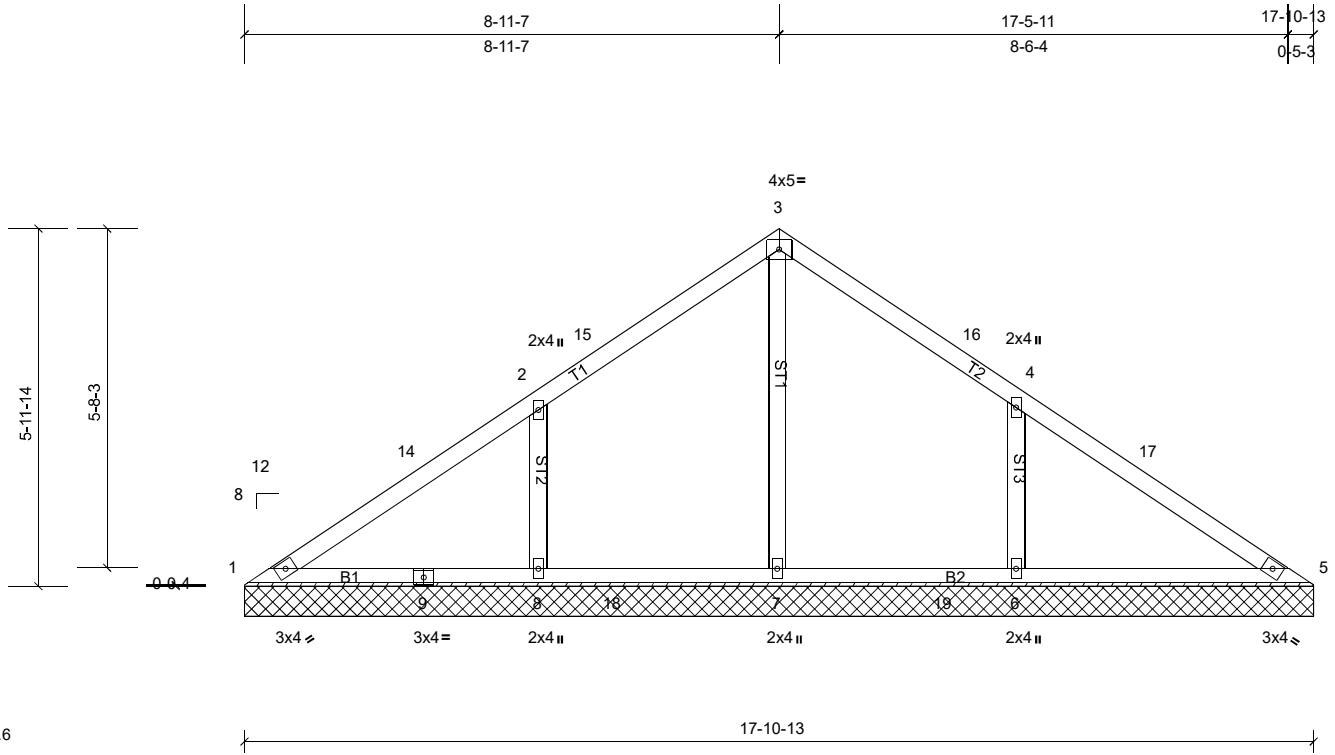
Job Q-2003191-1	Truss V5	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:38.6

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 73 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 10-0-0 oc purlins.
 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 All bearings 17-10-13.

(lb) - Max Horiz 1=104 (LC 10)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 6=129 (LC 11),
 8=-129 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=450 (LC 17), 7=491 (LC 16), 8=448 (LC 16)

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

WEBS 3-7=-352/2, 2-8=-302/166, 4-6=-302/166

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 8-11-13, Exterior (2) 8-11-13 to 11-11-13, Interior (1) 11-11-13 to 17-11-3 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint 8 and 128 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

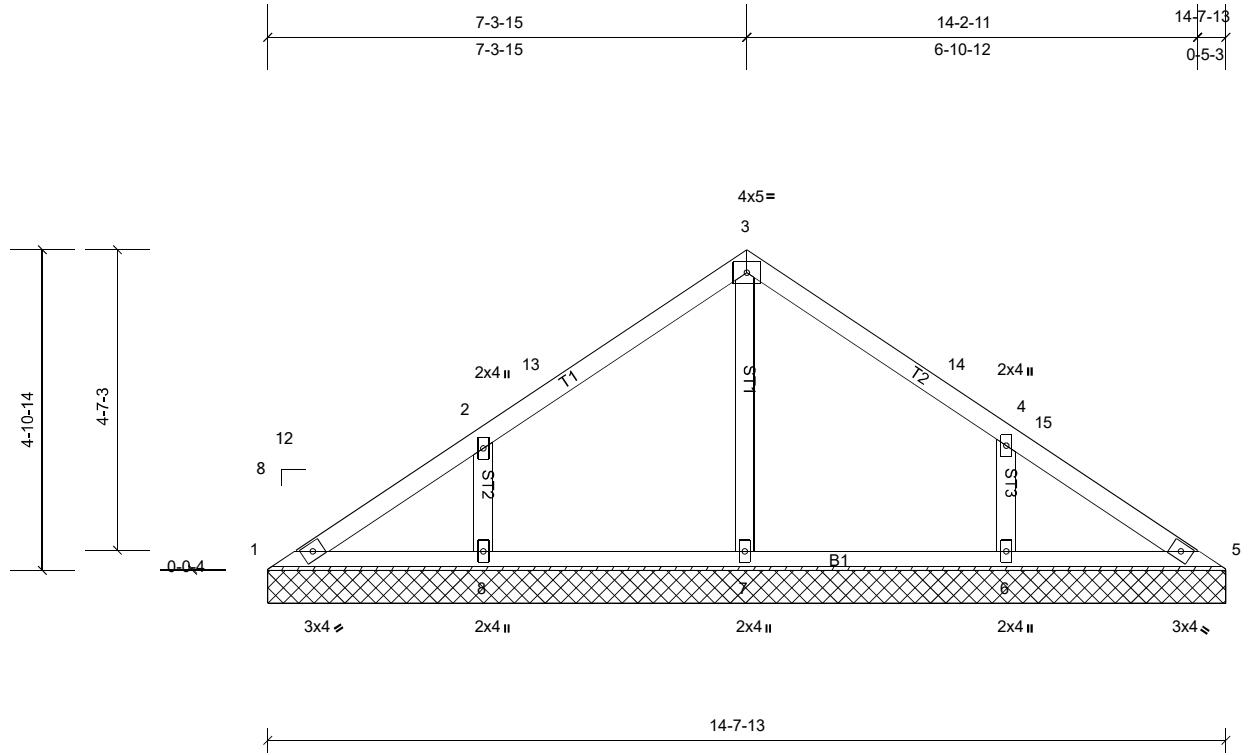
Job Q-2003191-1	Truss V6	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:35.2

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 58 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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 All bearings 14-7-13.

(lb) - Max Horiz 1=-85 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) except 6=-103 (LC 11),
 8=-104 (LC 11)
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=346 (LC 21), 7=308 (LC 1), 8=345 (LC 20)

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

WEBS 2-8=-255/142, 4-6=-253/140

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-3-15, Interior (1) 3-3-15 to 7-4-5, Exterior (2) 7-4-5 to 10-4-5, Interior (1) 10-4-5 to 14-8-3 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 8 and 102 lb uplift at joint 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

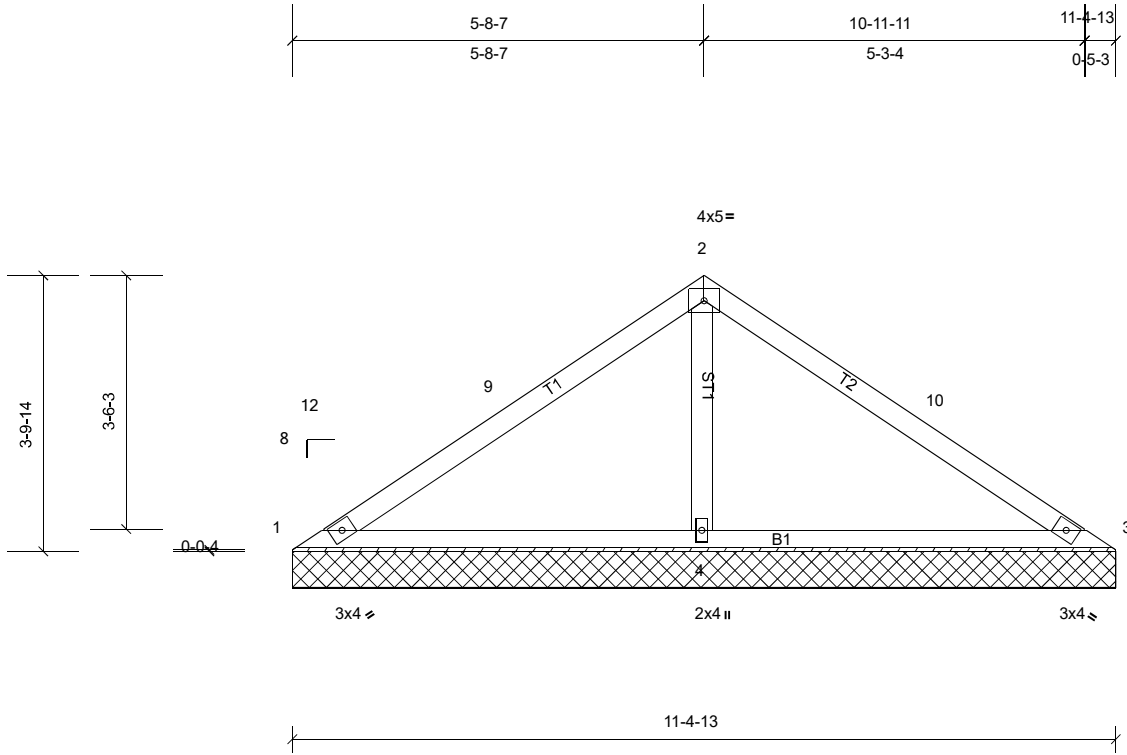
Job Q-2003191-1	Truss V7	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:31.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 41 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 10-0-0 oc purlins.
 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) 1=12/11-4-13, (min. 0-1-8), 3=17/11-4-13, (min. 0-1-8),
 4=883/11-4-13, (min. 0-1-8)
 Max Horiz 1=-65 (LC 9)
 Max Uplift 1=-48 (LC 21), 3=-45 (LC 20), 4=-156 (LC 11)
 Max Grav 1=66 (LC 20), 3=70 (LC 21), 4=883 (LC 1)

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

TOP CHORD 1-9=-90/342, 2-9=-74/432, 2-10=-72/425, 3-10=-88/325
 BOT CHORD 1-4=-315/132, 3-4=-309/130
 WEBS 2-4=-690/184

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-8-13, Exterior (2) 5-8-13 to 8-8-13, Interior (1) 8-8-13 to 11-5-3 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 1, 45 lb uplift at joint 3 and 156 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

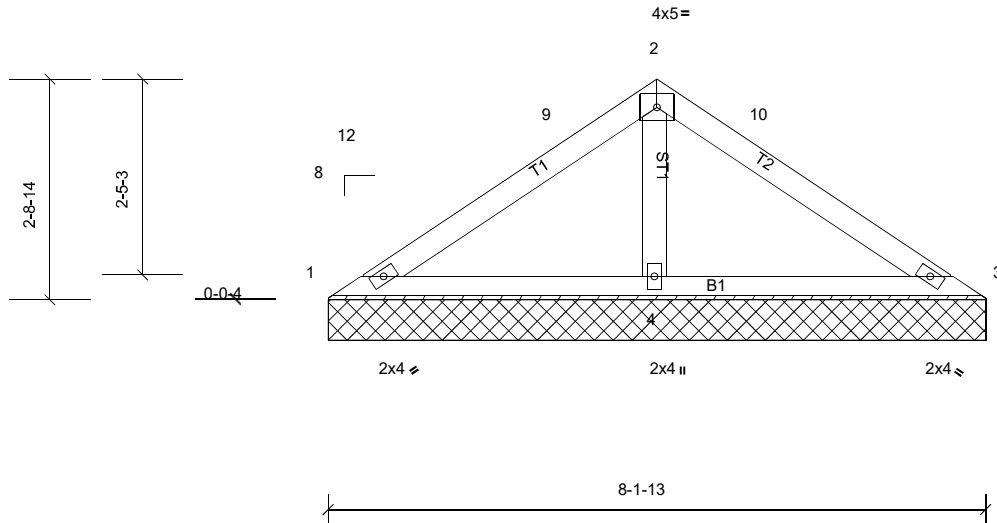
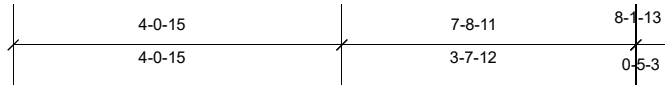
Job Q-2003191-1	Truss V8	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:28.6

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 28 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 8-1-13 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=37/8-1-13, (min. 0-1-8), 3=42/8-1-13, (min. 0-1-8),
 4=573/8-1-13, (min. 0-1-8)
 Max Horiz 1=46 (LC 10)
 Max Uplift 1=-13 (LC 21), 3=-10 (LC 20), 4=-96 (LC 11)
 Max Grav 1=69 (LC 20), 3=72 (LC 21), 4=573 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-41/253
 WEBS 2-4=-412/103

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-1-5, Exterior (2) 4-1-5 to 7-3-1, Interior (1) 7-3-1 to 8-2-3 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 10 lb uplift at joint 3 and 96 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

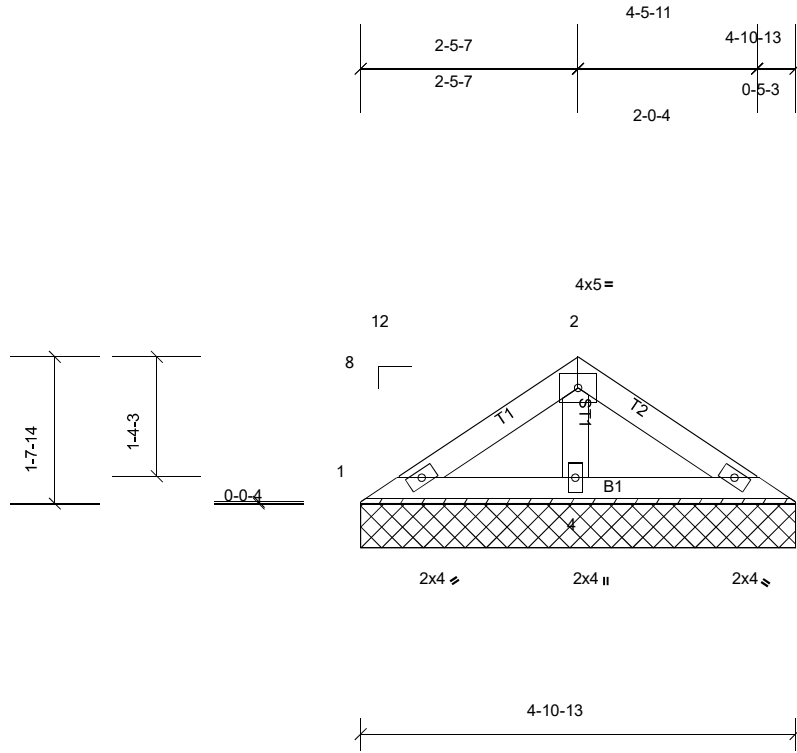
Job Q-2003191-1	Truss V9	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:26

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 4-10-13 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=51/4-10-13, (min. 0-1-8), 3=55/4-10-13, (min. 0-1-8),
 4=287/4-10-13, (min. 0-1-8)
 Max Horiz 1=27 (LC 10)
 Max Uplift 1=-5 (LC 11), 3=-6 (LC 11), 4=-38 (LC 11)
 Max Grav 1=62 (LC 20), 3=65 (LC 21), 4=287 (LC 1)

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 1, 6 lb uplift at joint 3 and 38 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

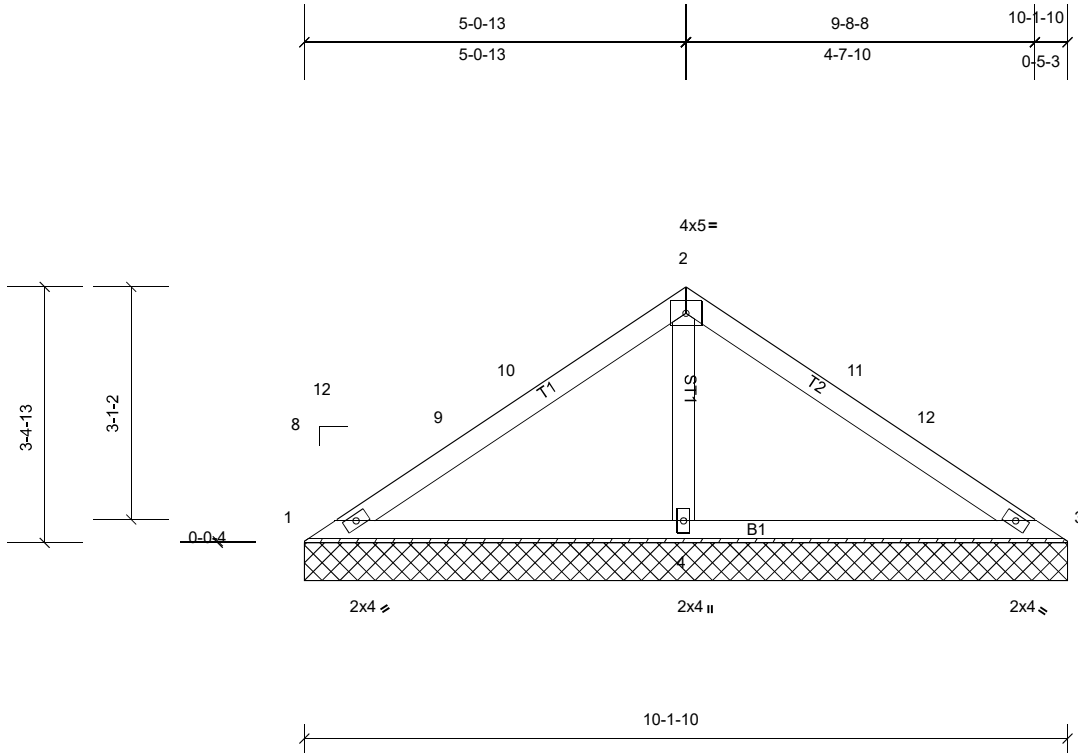
Job Q-2003191-1	Truss V10	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 36 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

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

REACTIONS (lb/size) 1=31/10-1-11, (min. 0-1-8), 3=35/10-1-11, (min. 0-1-8),
4=745/10-1-11, (min. 0-1-8)
Max Horiz 1=58 (LC 10)
Max Uplift 1=-28 (LC 21), 3=-25 (LC 20), 4=-125 (LC 11)
Max Grav 1=73 (LC 20), 3=77 (LC 21), 4=745 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-53/271, 2-10=-53/347, 2-11=-51/340, 11-12=-51/264
BOT CHORD 1-4=-251/107
WEBS 2-4=-570/148

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-1-3, Exterior (2) 5-1-3 to 8-1-3, Interior (1) 8-1-3 to 10-2-1 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 25 lb uplift at joint 3 and 125 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

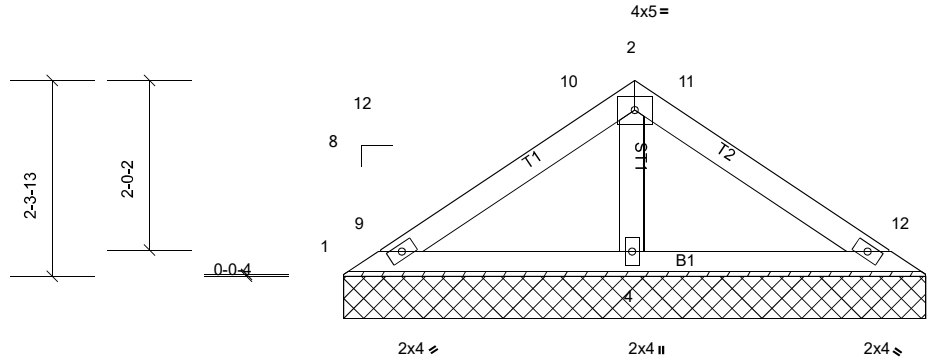
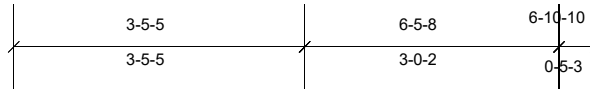
Job Q-2003191-1	Truss V11	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:27.3

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 23 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

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

REACTIONS (lb/size) 1=47/6-10-10, (min. 0-1-8), 3=51/6-10-10, (min. 0-1-8),
 4=452/6-10-10, (min. 0-1-8)
 Max Horiz 1=-38 (LC 9)
 Max Uplift 4=-69 (LC 11)
 Max Grav 1=70 (LC 20), 3=73 (LC 21), 4=452 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-310/76

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-5-11, Exterior (2) 3-5-11 to 6-5-11, Interior (1) 6-5-11 to 6-11-0 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

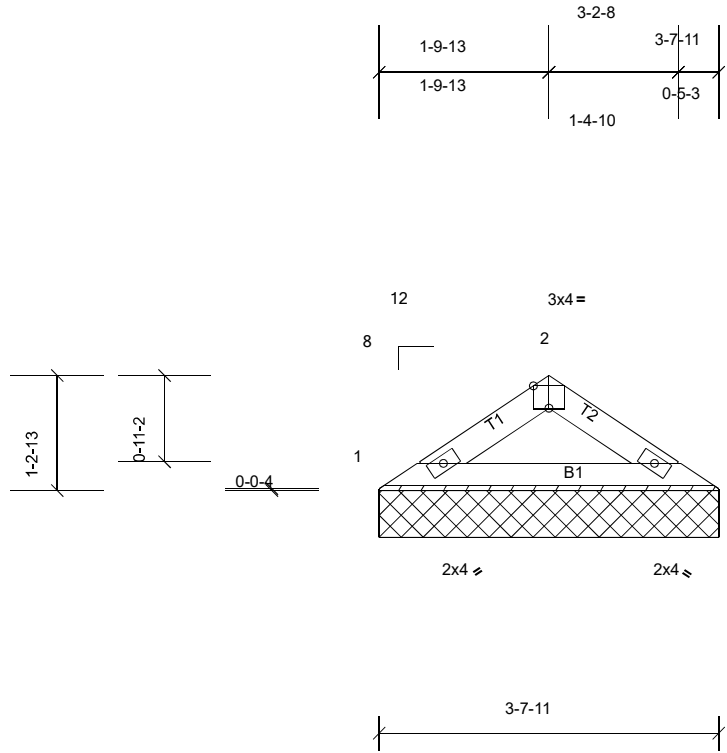
Job Q-2003191-1	Truss V12	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:24.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-7-11 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=146/3-7-11, (min. 0-1-8), 3=146/3-7-11, (min. 0-1-8)
Max Horiz 1=-19 (LC 9)
Max Uplift 1=-18 (LC 11), 3=-18 (LC 11)

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 18 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

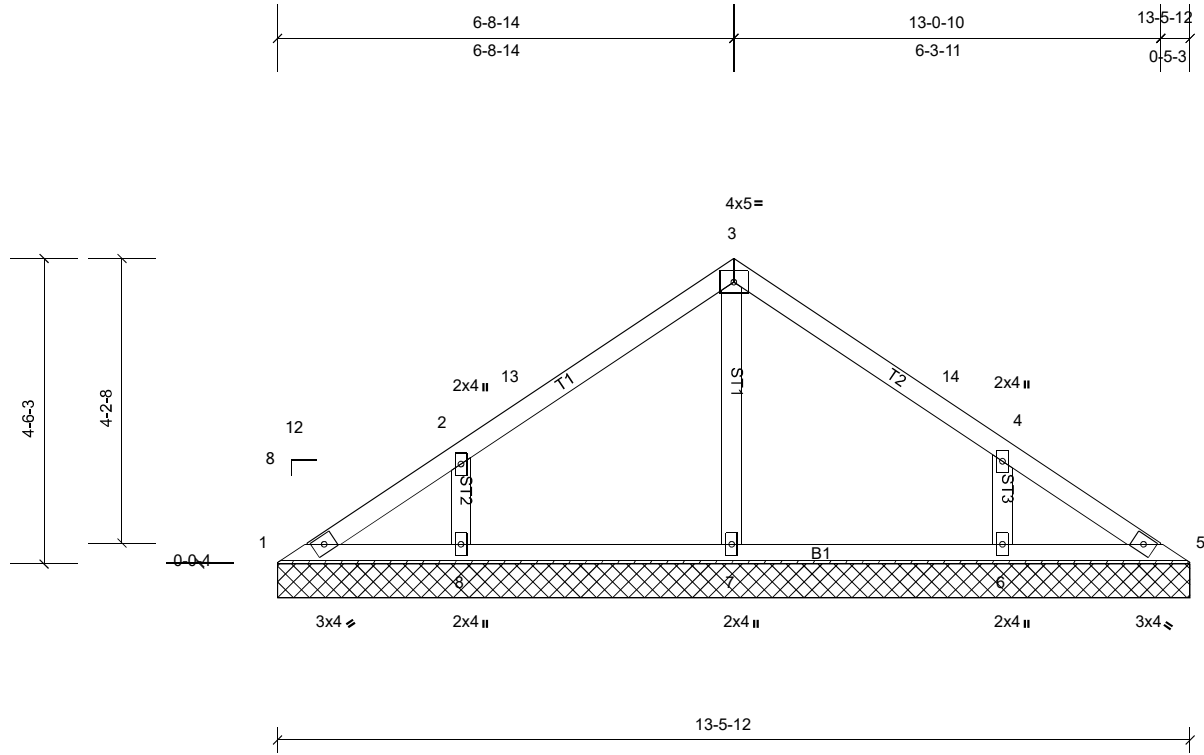
Job Q-2003191-1	Truss V13	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:34

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 52 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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 All bearings 13-5-12.

(lb) - Max Horiz 1=78 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 6, 8
 Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=322 (LC 21), 7=282 (LC 1), 8=323 (LC 20)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 2-8-14, Interior (1) 2-8-14 to 6-9-4, Exterior (2) 6-9-4 to 9-9-4, Interior (1) 9-9-4 to 13-6-2 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

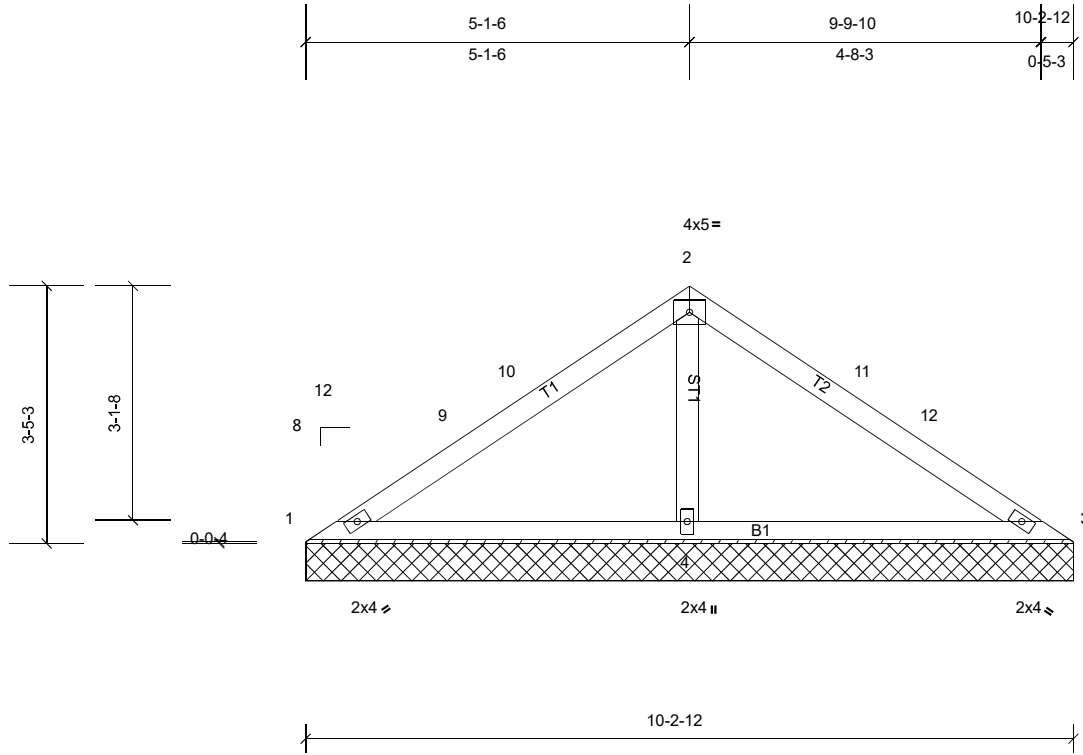
Job Q-2003191-1	Truss V14	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

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Scale = 1:30.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 36 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 10-0-0 oc purlins.
 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) 1=29/10-2-12, (min. 0-1-8), 3=34/10-2-12, (min. 0-1-8),
 4=755/10-2-12, (min. 0-1-8)

Max Horiz 1=-58 (LC 9)
 Max Uplift 1=-29 (LC 21), 3=-26 (LC 20), 4=-127 (LC 11)
 Max Grav 1=73 (LC 20), 3=76 (LC 21), 4=755 (LC 1)

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

TOP CHORD 1-9=-68/253, 9-10=-55/276, 2-10=-54/353, 2-11=-53/346, 11-12=-53/269
 BOT CHORD 1-4=-256/108, 3-4=-251/107
 WEBS 2-4=-579/151

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 5-1-12, Exterior (2) 5-1-12 to 8-1-12, Interior (1) 8-1-12 to 10-3-2 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 1, 26 lb uplift at joint 3 and 127 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

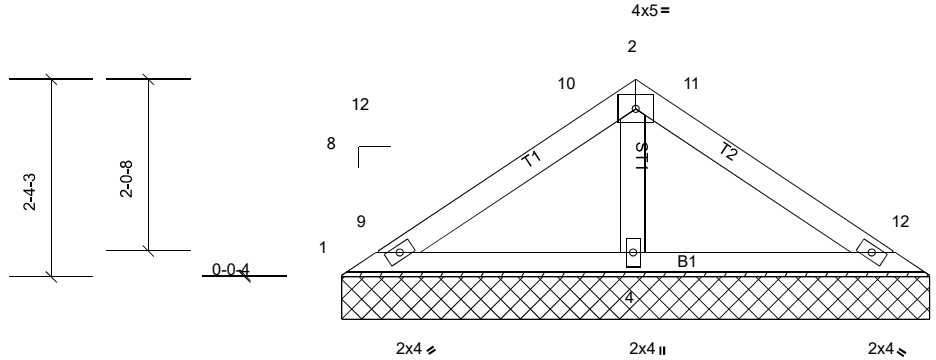
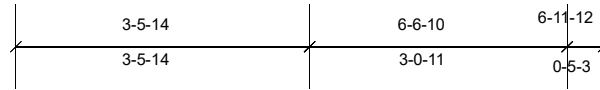
Job Q-2003191-1	Truss V15	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:27.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-11-12 oc purlins.
 Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=47/6-11-12, (min. 0-1-8), 3=51/6-11-12, (min. 0-1-8),
 4=461/6-11-12, (min. 0-1-8)
 Max Horiz 1=39 (LC 10)
 Max Uplift 4=-71 (LC 11)
 Max Grav 1=70 (LC 20), 3=73 (LC 21), 4=461 (LC 1)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-317/78

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 3-6-4, Exterior (2) 3-6-4 to 6-6-4, Interior (1) 6-6-4 to 7-0-2 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 4.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

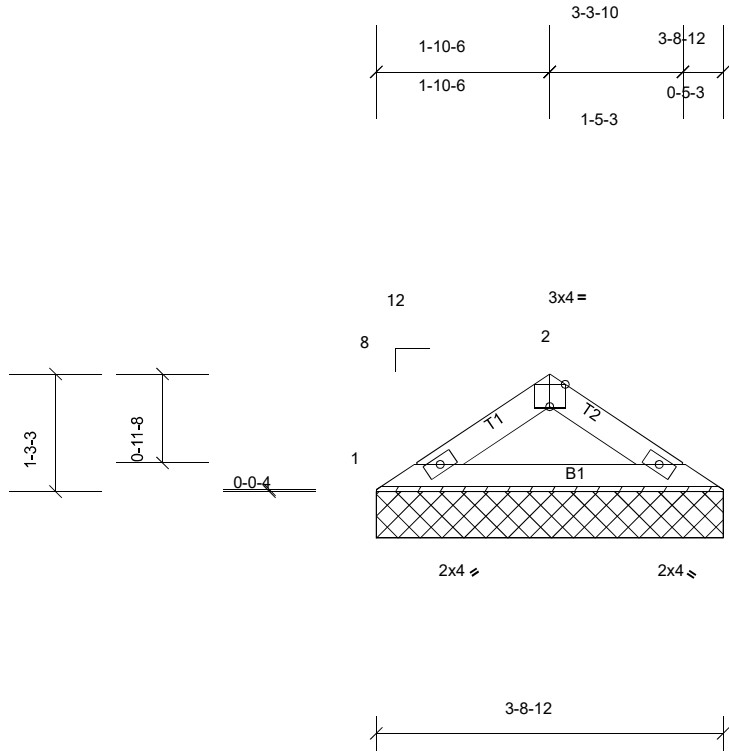
Job Q-2003191-1	Truss V16	Truss Type Valley	Qty 1	Ply 1	Robertson-Robertson Job Reference (optional)
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Scale = 1:24.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 11 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 3-8-12 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=149/3-8-12, (min. 0-1-8), 3=149/3-8-12, (min. 0-1-8)
Max Horiz 1=20 (LC 10)
Max Uplift 1=-18 (LC 11), 3=-18 (LC 11)

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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
- Gable requires continuous bottom chord bearing.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 18 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard