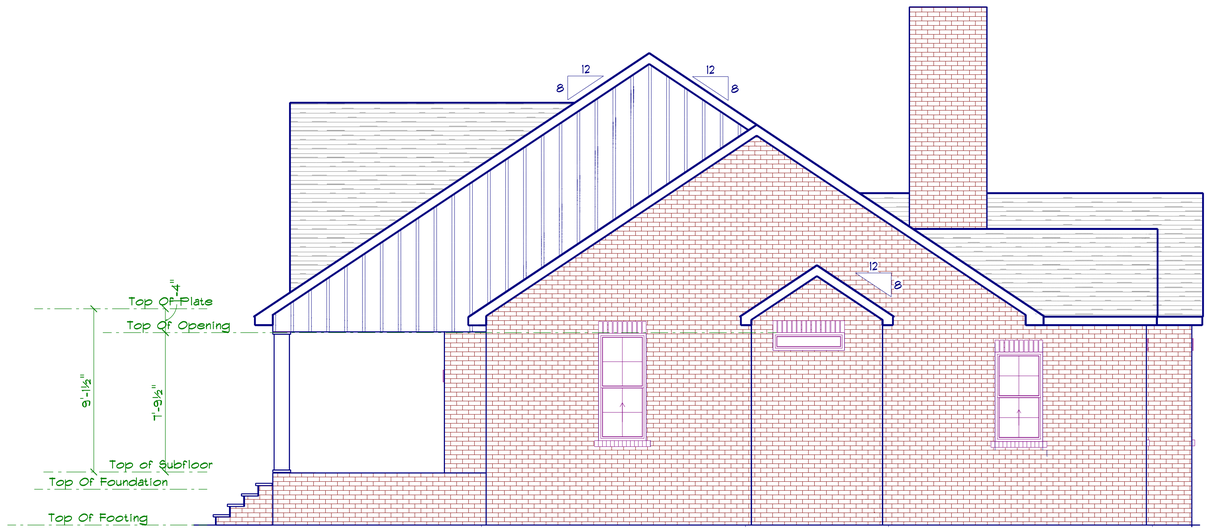
NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

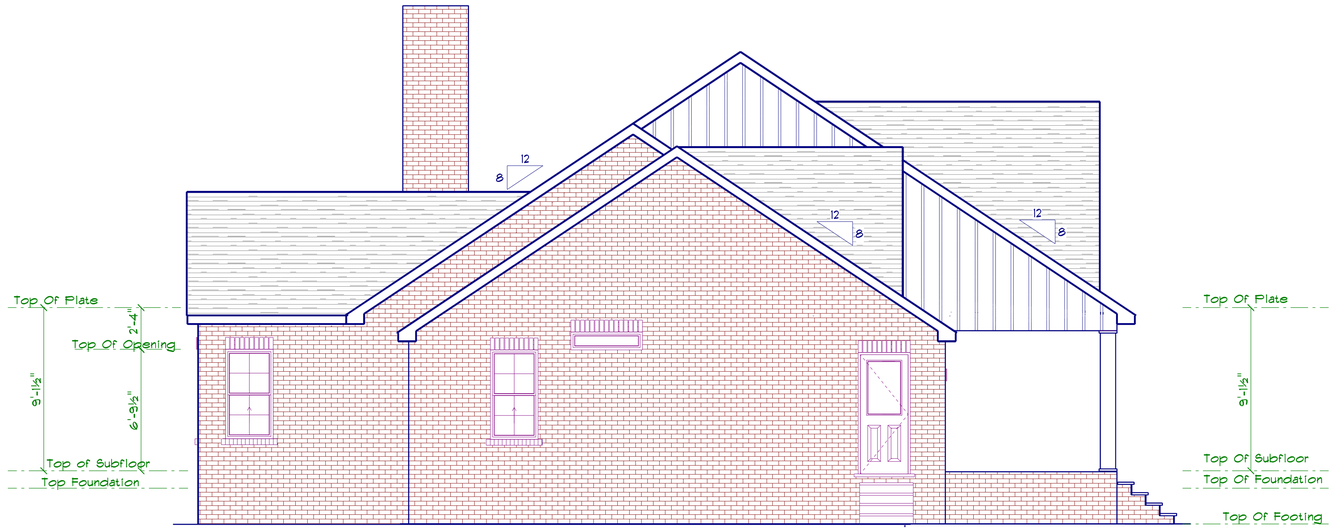
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

01/10/2024

Harnett COUNTY NORTH CAROLINA



RIGHT ELEVATION
SCALE: 1"= 3/16"



LEFT ELEVATION
SCALE: 1"= 3/16"

2A
PAGE #:

Diane Rives Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-770-0283
getfloorplans@nc.rr.com

SCALE: 1"= 3/16"
DRAWN BY:
DATE: 12/15/2023

CUSTOM HOUSE PLAN FOR:
SPENCER & EMILY BERUBE

RIGHT & LEFT ELEVATIONS

ELEVATION NOTES:
GRADE ELEVATIONS SHOWN DO NOT NECESSARILY REFER TO THIS OR ANY OTHER LOT. THEY ARE FOR DIAGRAMMATIC PURPOSES ONLY AND MAY VARY. BUILDER IS RESPONSIBLE FOR ADAPTING THIS PLAN TO SUIT THE EXISTING TOPOGRAPHY OF THE SITE.

ROOF VENTILATION TO BE DETERMINED BY BUILDER AS PER CODE.

ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS MUST HAVE A MIN. NET CLEAR OPENING OF 4.0 SQ FT. THE MIN NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN NET CLEAR OPENING WIDTH SHALL BE 20".

EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A SILL HGHT OF NO MORE THAN 44" FROM THE FLOOR. ALL WINDOW SIZES ARE NOMINAL AND ARE TO BE VERIFIED WITH MANUFACTURER FOR AVAILABILITY AND CONFORMITY TO STATE AND LOCAL CODE REQUIREMENTS.

PORCHES, BALCONIES, OR RAISED FLOOR SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 32" IN HEIGHT.

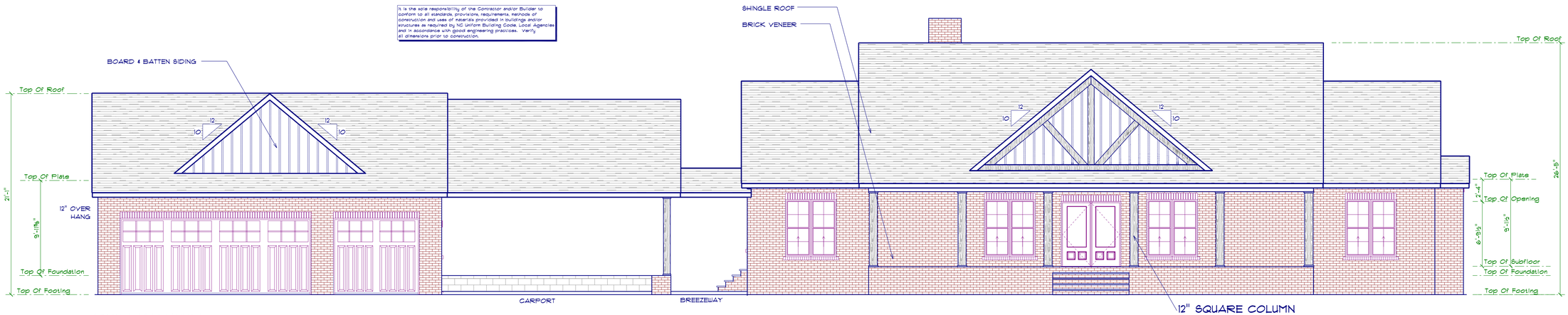
I ASSUME NO RESPONSIBILITY FOR ANY DISTANCES AFTER START OF CONSTRUCTION.
CONTRACTOR/BUILDER SHALL CONSULT WITH HOME OWNER ON ALL INTERIOR AND EXTERIOR MOLDINGS, TRIMS, COLORS, FINISHES, CABINET LAYOUTS, AND MANUFACTORS BEFORE CONSTRUCTION BEGINS.
ALL BEAMS AND FRAMING MEMBERS ARE SIZED BY OTHERS.

1.1 This plan has been drawn to comply with the 2018 NC Building Code

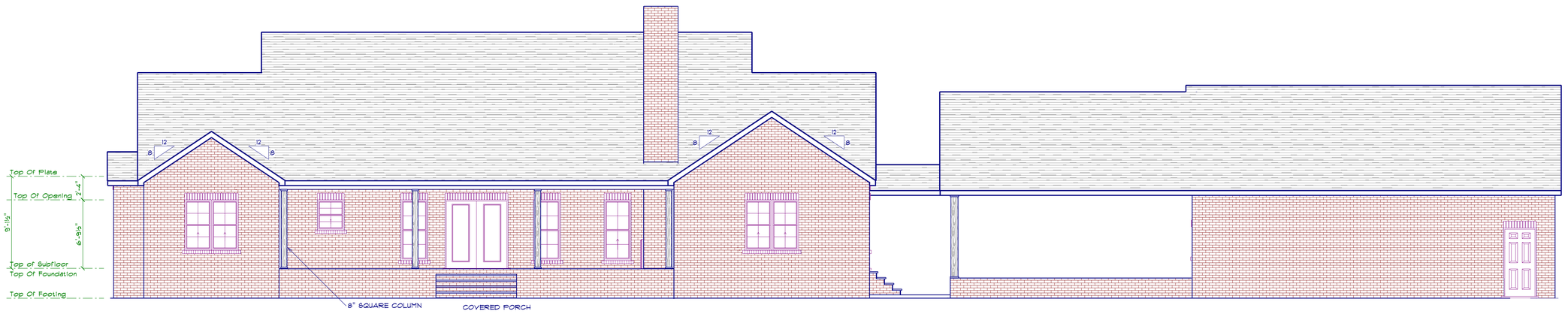
1.2 Minimum Design Loads for Building and Other Structures ASCE 7-98
2 Roof Dead Load 15 PSF
3 Roof Live Load 20 PSF
4 Typical Floor Dead Load 10 PSF
5 Floor Live Loads
- 5.1 Rooms other than sleeping rooms 40 PSF
- 5.2 Sleeping Rooms 30 PSF
- 5.3 Stairs 40 PSF
- 5.4 Decks 40 PSF
- 5.5 Exterior Balconies 60 PSF

6 Wind Loads
- 6.1 Ultimate Design Wind Speeds 115 MPH
- 6.2 Wind Importance Factor, IW 1.00
- 6.3 Exposure B
- 6.4 Walls (Component and Cladding) 25 PSF
- 6.5 Roofs (Component and Cladding)
  - 6.5.1 Roof Slopes 2.25/12 to 7/12 34.8 PSF
  - 6.5.2 Roof Slopes 7/12 to 12/12 21 PSF

It is the sole responsibility of the Contractor and/or Builder to conform to all standards, provisions, requirements, methods of construction and uses of materials provided in buildings and/or structures as required by NC Uniform Building Code, Local Agencies and in accordance with good engineering practices. Verify all dimensions prior to construction.



FRONT ELEVATION
SCALE: 1" = 3/16"



REAR ELEVATION
SCALE: 1" = 3/16"

Diane Rives Designs
6625 Hockingbird Lane
Sanford, NC 27332
919-770-0353
dr@dianerivesdesigns.net

DRD

1A

PAGE #:

SCALE: 1" = 3/16"

DRAWN BY:

DATE: 12/15/2023

CUSTOM HOUSE PLAN FOR:
SPENCER & EMILY BERUBE

FRONT & REAR ELEVATIONS

TYPICAL WALL: 8" BLOCK W/ 16" X 10" FOOTING
BRICK & 8" BLOCK W/24" X 10" FOOTING
BRICK & 4" BLOCK W/16" X 10" FOOTING
3- 2 X 10'S GIRDER
2 X 10'S 16" OC JOIST
2- 2 X 10'S DBL JOIST

FOUNDATION NOTES:
ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL.
THE 28 DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3000 PSI

PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.

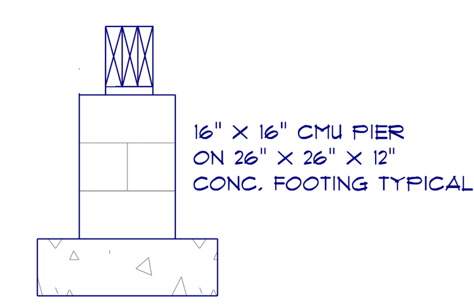
FOUNDATION CONCRETE MIX TO HAVE 1-1/2" MAX AGGREGATE SIZE. CONCRETE FILL MIX TO HAVE 1/2" MAX AGGREGATE SIZE.

FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2000 PSI.

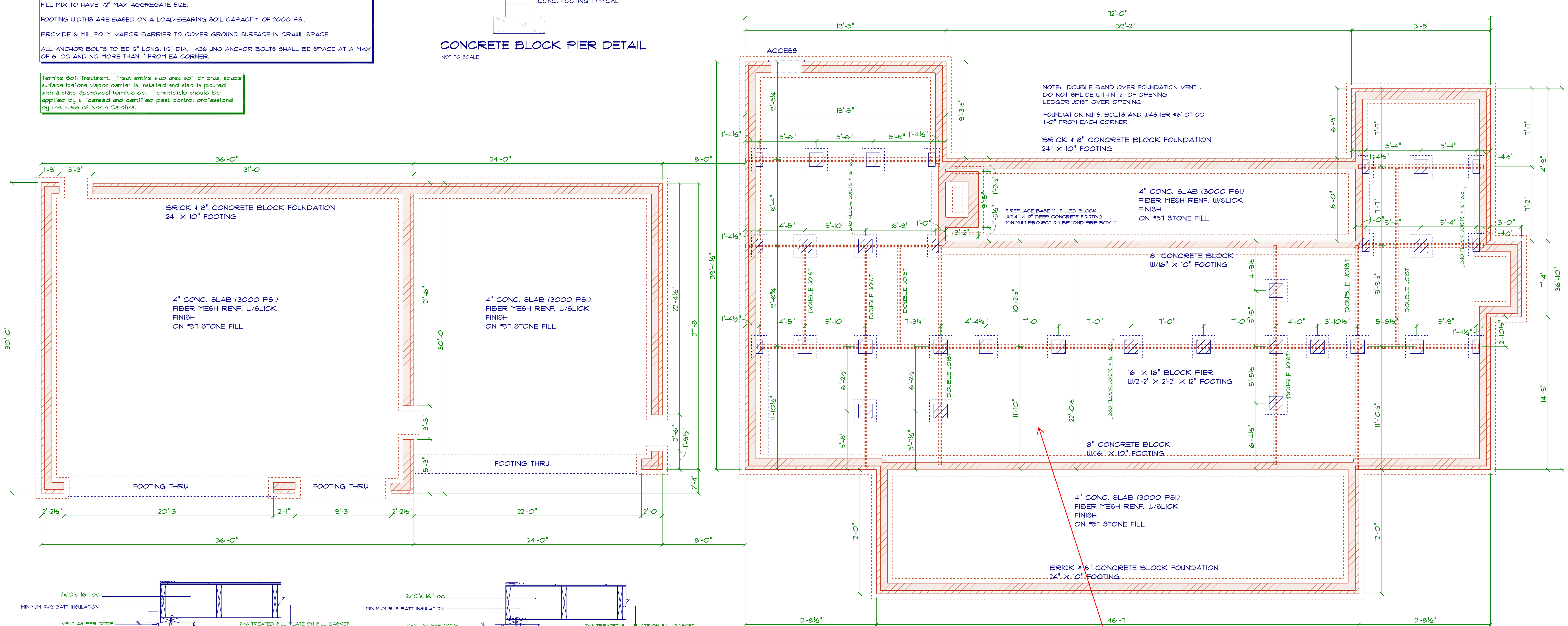
PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE

ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 UNO ANCHOR BOLTS SHALL BE SPACE AT A MAX OF 6' OC AND NO MORE THAN 1' FROM EA CORNER.

Termite Soil Treatment: Treat entire slab area soil or crawl space surface before vapor barrier is installed and slab is poured with a state approved termiticide. Termiticide should be applied by a licensed and certified pest control professional by the state of North Carolina.

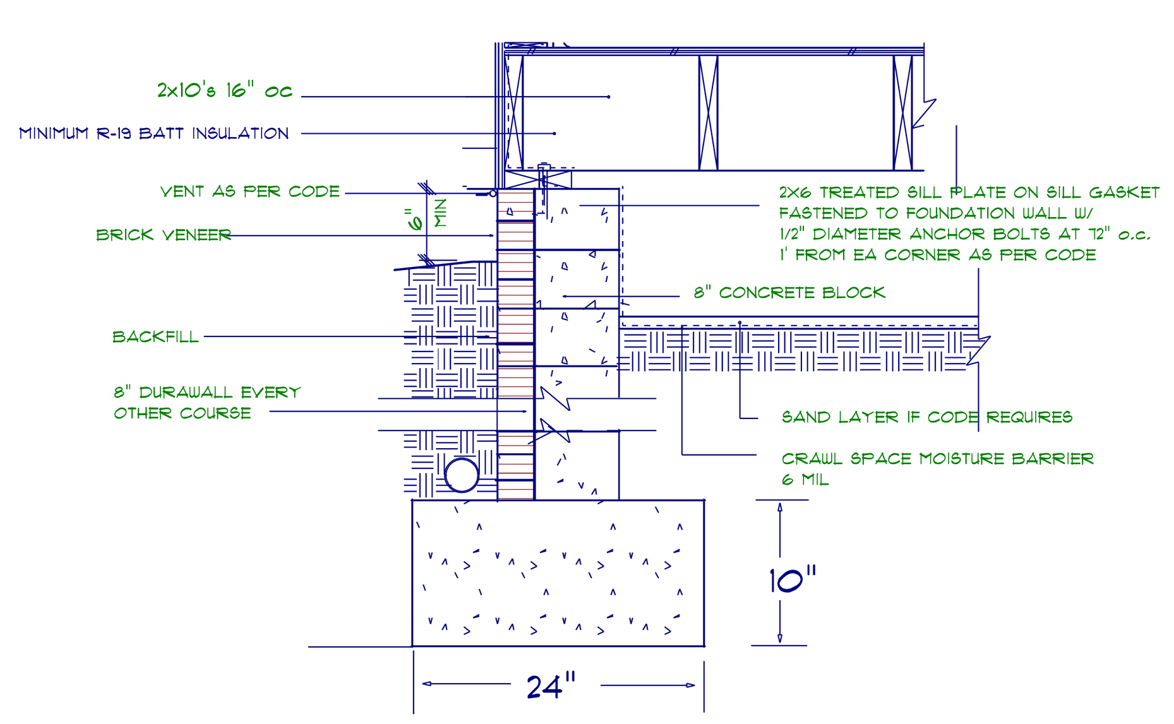


CONCRETE BLOCK PIER DETAIL
NOT TO SCALE

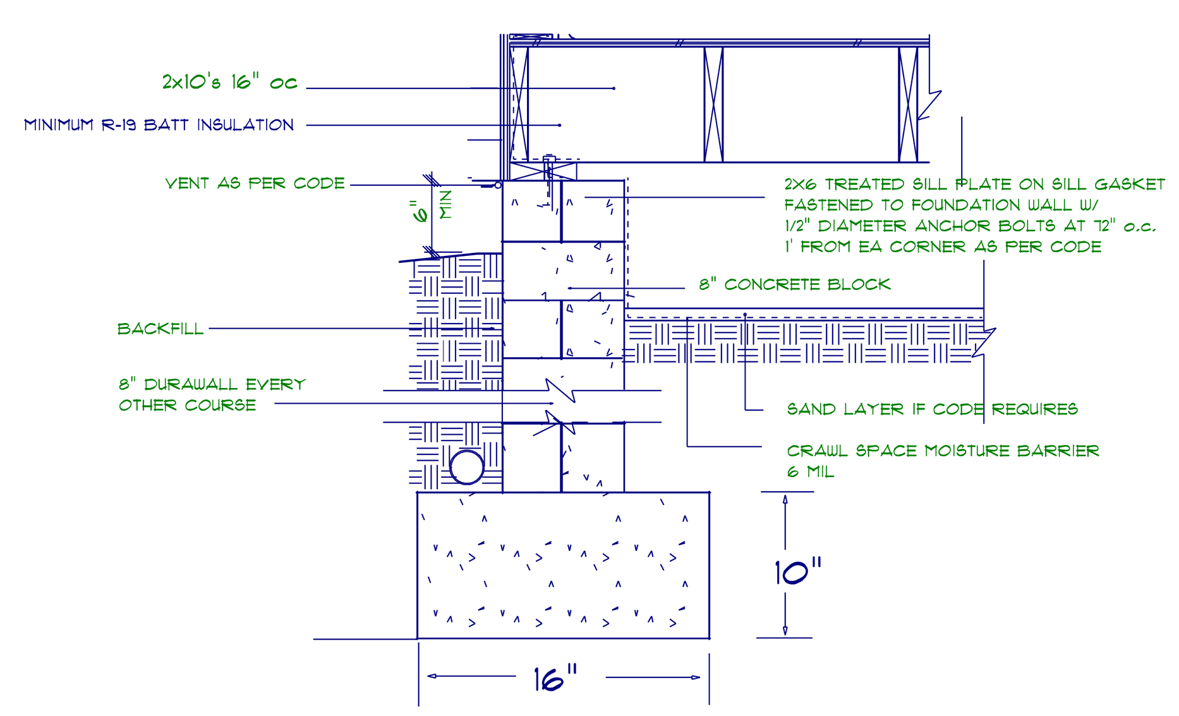


FOUNDATION PLAN
SCALE: 1'= 3/16"

See truss layout for floor trusses



FOOTING & FOUNDATION DETAIL
not to scale



FOOTING & FOUNDATION DETAIL
not to scale

PAGE #: 3A

DRD
Diane Rives Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-770-0353
golfwoman@charter.net

SCALE: 1'= 3/16"
DRAWN BY:
DATE: 12/15/2023

CUSTOM HOUSE PLAN FOR:
SPENCER & EMILY BERUBE

CRAWL SPACE
FOUNDATION

GENERAL FRAMING NOTES:

ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED

FRAMING LUMBER SHALL BE SYP #2 GRADE AND/OR SPRUCE PINE FIR #1 AND/OR #2, KILN DRIED.

WHERE FIRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A N.C. ENGINEER.

STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.

NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" OC AN USE 3-16d NAILS 3" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF POST DOUNS UNO.

NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE NAILS.

ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.

PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.

ALL FRAMING TO BE 16" OC UNO. WALL FRAMING DIMENSIONS ARE BASED ON 2 X 4 STUDS UNO. DOUBLE STUDS UNDER ALL HEADERS.

LVL'S AND TJI'S TO BE SIZED BY OTHERS

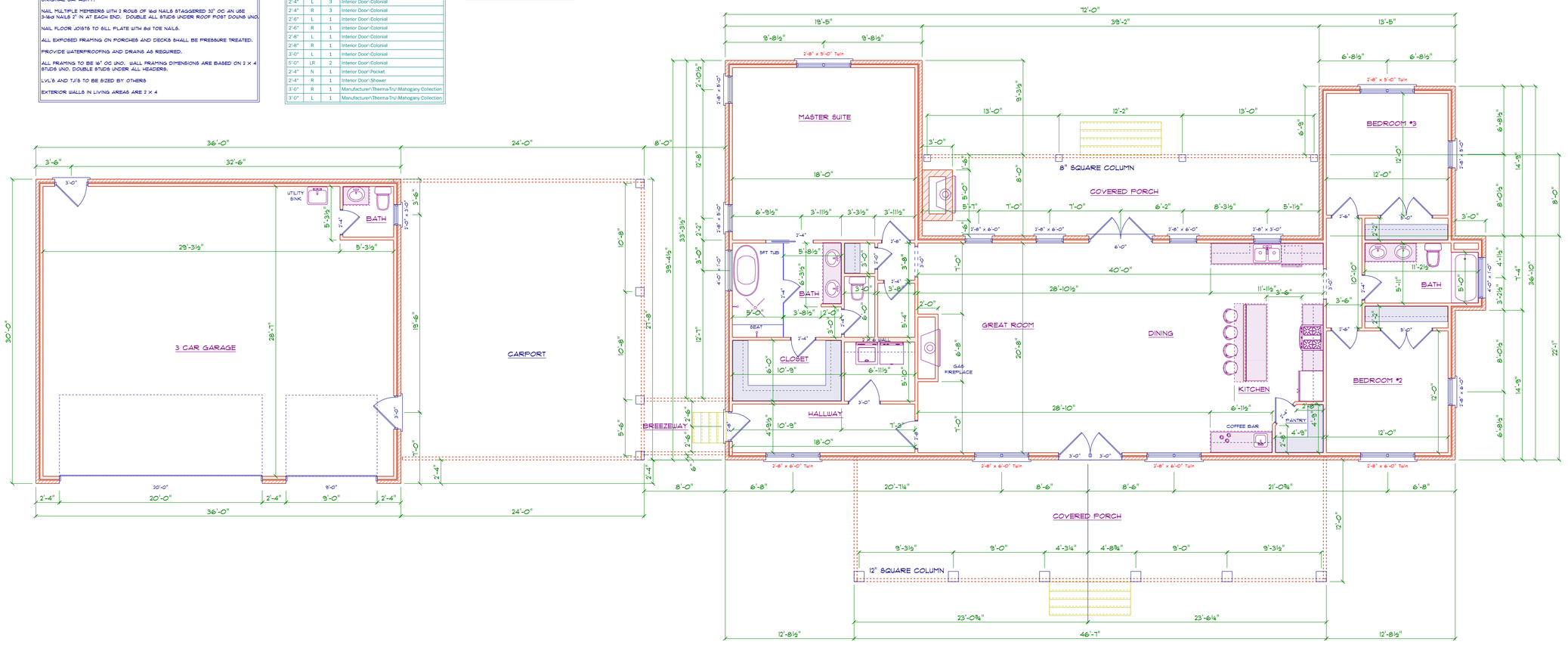
EXTERIOR WALLS IN LIVING AREAS ARE 2 X 4

DOOR SCHEDULE

SIZE	HINGE	COUNT	LIBRARY NAME
3'-0"	L	1	Exterior Door:\Colonial
3'-0"	R	1	Exterior Door:\Colonial
2'-8"	R	1	Exterior Door:\Country
6'-0"	LR	1	Exterior Door:\French
9'-0"	U	1	Garage:\Tall Garage
20'-0"	U	1	Garage:\Tall Garage
2'-0"	R	1	Interior Door:\Colonial
2'-4"	L	3	Interior Door:\Colonial
2'-4"	R	3	Interior Door:\Colonial
2'-6"	L	1	Interior Door:\Colonial
2'-6"	R	1	Interior Door:\Colonial
2'-8"	L	1	Interior Door:\Colonial
2'-8"	R	1	Interior Door:\Colonial
3'-0"	L	1	Interior Door:\Colonial
5'-0"	LR	2	Interior Door:\Colonial
2'-4"	N	1	Interior Door:\Pocket
2'-4"	R	1	Interior Door:\Shower
3'-0"	R	1	Manufacturer\Therma-Tru\:Mahogany Collection
3'-0"	L	1	Manufacturer\Therma-Tru\:Mahogany Collection

WINDOW SCHEDULE

SIZE	COUNT	LIBRARY NAME
2'-8" x 5'-0" Twin	2	Window:\Single Hung
2'-8" x 6'-0" Twin	4	Window:\Single Hung
2'-0" x 3'-0"	1	Window:\Single Hung
2'-8" x 3'-0"	1	Window:\Single Hung
2'-8" x 5'-0"	3	Window:\Single Hung
2'-8" x 6'-0"	4	Window:\Single Hung
4'-0" x 1'-0"	2	Window:\Transom



1ST FLOOR PLAN

SCALE: 1" = 3/16"

AREA SCHEDULE

NAME	AREA
Heated	2039 sq ft.
Covered Rear Porch	325 sq ft.
Covered Front Porch	578 sq ft.
Carport	668 sq ft.
3 Car Garage	1026 sq ft.

Diane Rives Designs
6205 Mackingbird Lane
Sanford, N.C. 27332
919-770-0353
golfcoma@charter.net

DRD

PAGE #: 44

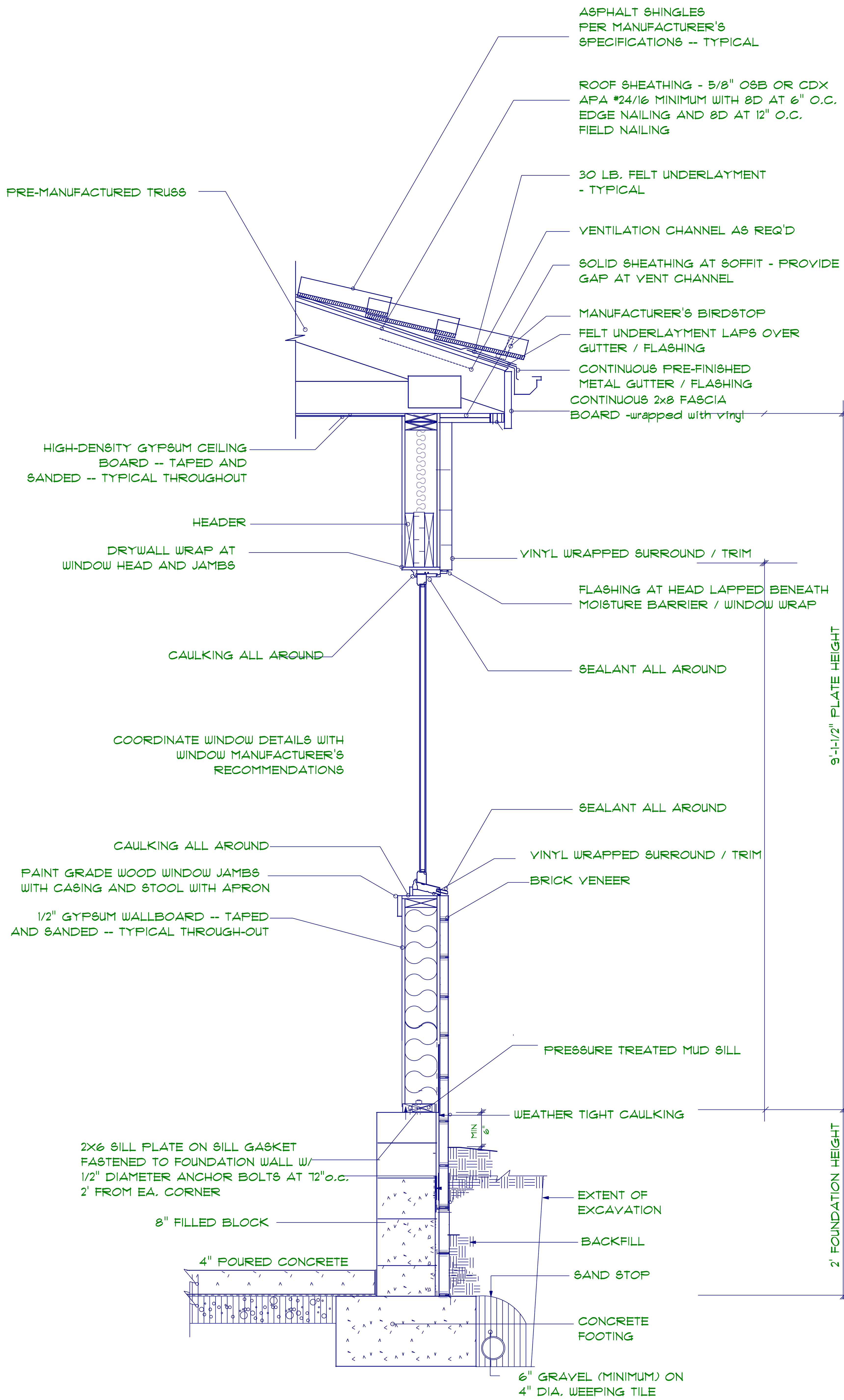
SCALE: 1" = 3/16"

DRAWN BY:

DATE: 12/15/2023

CUSTOM HOUSE PLAN FOR:
SPENCER & EMILY BERUBE

FLOOR PLANS

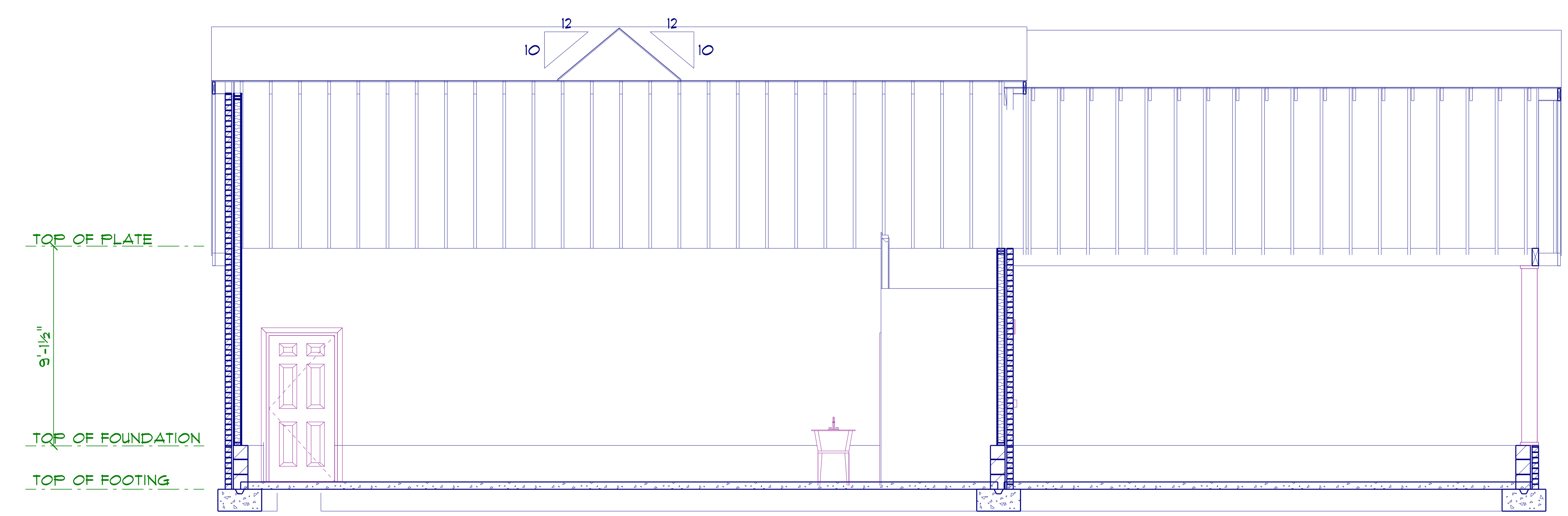


2x4/BRICK & BLOCK

NOT TO SCALE

SECTION THROUGH

SCALE: 1'= 1/4"



SECTION THROUGH

SCALE: 1'= 1/4"

5A

DRD
Diane Rives Designs
6205 Mockingbird Lane
Sanford, N.C. 27332
919-770-0353
golfwoman@charter.net

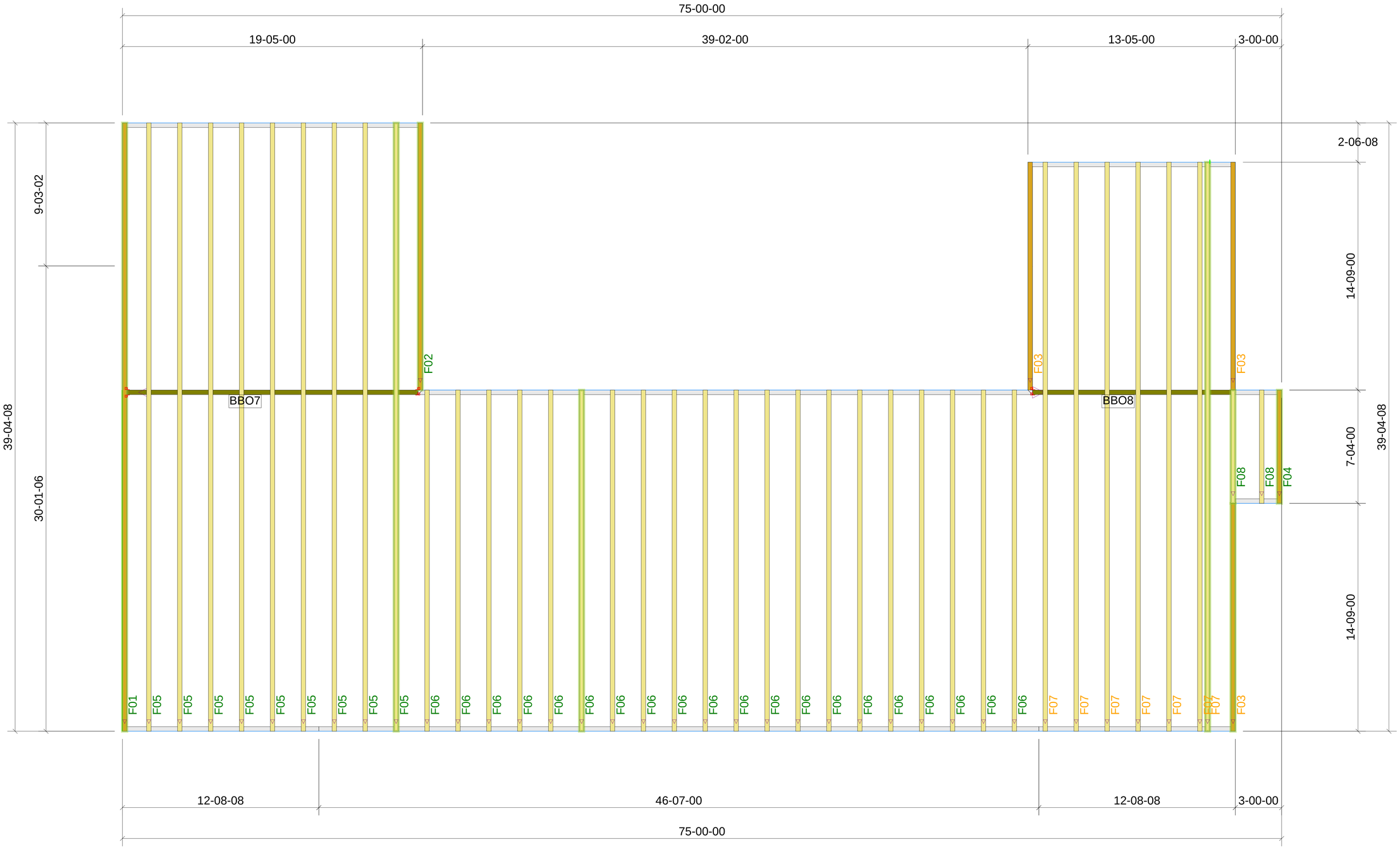
SCALE: 1'= 1/4"

DRAWN BY:

DATE: 12/18/2023

CUSTOM HOUSE PLAN FOR:
SPENCER & EMILY BERUBE

DETAIL SHEET



Floor Area: 2145.64 SF
Floor Plywood: 2467.49

Roof Area: 6334.42 SF
Roof Plywood: 90 sheets
Roof Shingles: 79 Squares

ROOF TRUSS LAYOUT

1/4" = 1'-0"

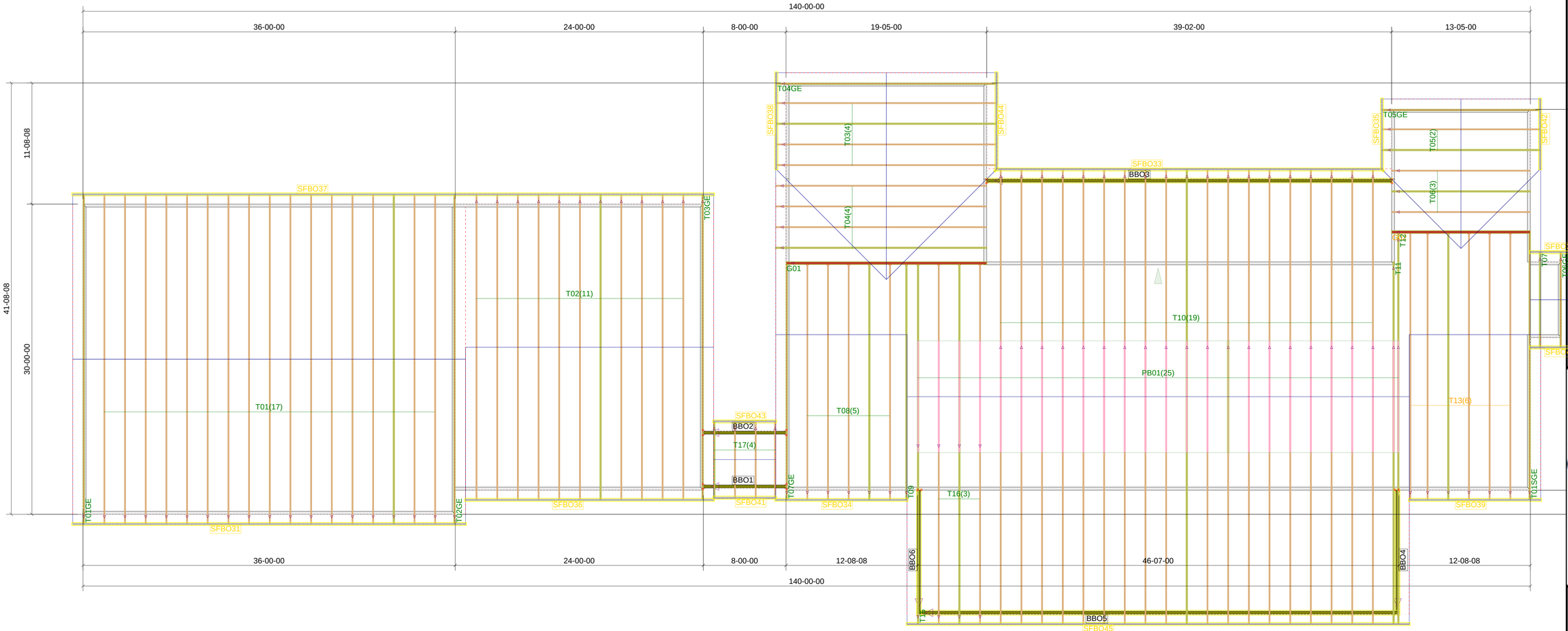
NOTE

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PERREACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.

THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WTCA1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION, DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY. SEE http://support.sbcindustry.com/pubs/TTBDResp-D

LONGLEAF TRUSS CO.
4476 Hwy. 21 W
West End, NC 27376
(910) 673-4711

Client: SERVICE BUILDING SUPPLY
Project: BERUBE
Model: Model
Subdivision:
Lot #:
Designer: Chad Miller
Date:
Order #: P23120611
62



Floor Area: 2145.64 SF
Floor Plywood: 2467.49

Roof Area: 6334.42 SF
Roof Plywood: 90 sheets
Roof Shingles: 79 Squares

ROOF TRUSS LAYOUT

1/4" = 1'-0"

NOTE

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PERREACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.

THIS COMPANY IS A TRUSS MANUFACTURER WHOSE RESPONSIBILITIES ARE LIMITED TO THOSE DESCRIBED IN WTCA1-1995 "DESIGN RESPONSIBILITIES". ACCORDINGLY, IT DISCLAIMS ANY RESPONSIBILITIES AND/OR LIABILITY FOR THE CONSTRUCTION, DESIGN, DRAWINGS, DOCUMENTS INCLUDING THE INSTALLATION AND BRACING OF TRUSSES MANUFACTURED BY THIS COMPANY. SEE http://support.sbcindustry.com/pubs/TTBDResp-D

LONGLEAF TRUSS CO.
4476 Hwy. 21 W
West End, NC 27376
(910) 673-4711

Client: SERVICE BUILDING SUPPLY
Project: BERUBE
Model: Model
Subdivision:
Lot #:
Order #: P23120611
Designer: Chad Miller
Date:
62

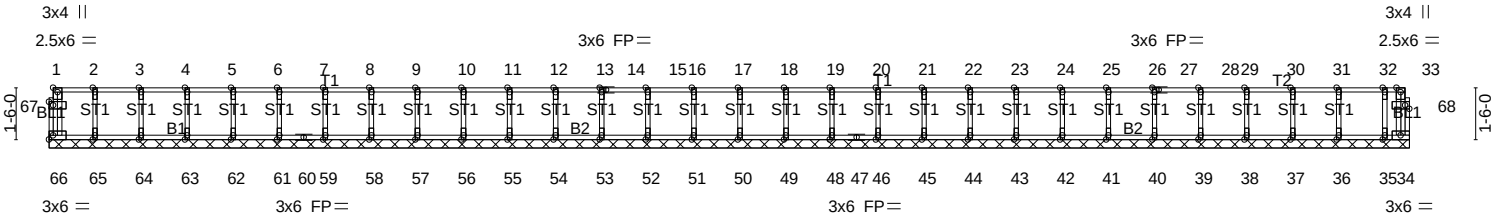
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F01	Floor Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:14 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-Rdm?HPc6Y_4sgclqNlMuI2W6WjTwAHxPWFQ8VrzyoKV

0-1-8 0-1-8

Scale = 1:66.7



39-4-8
39-4-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [67:0-1-8,0-1-4], [68:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	34	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 181 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 39-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 66, 34, 65, 64, 63, 62, 61, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35

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

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

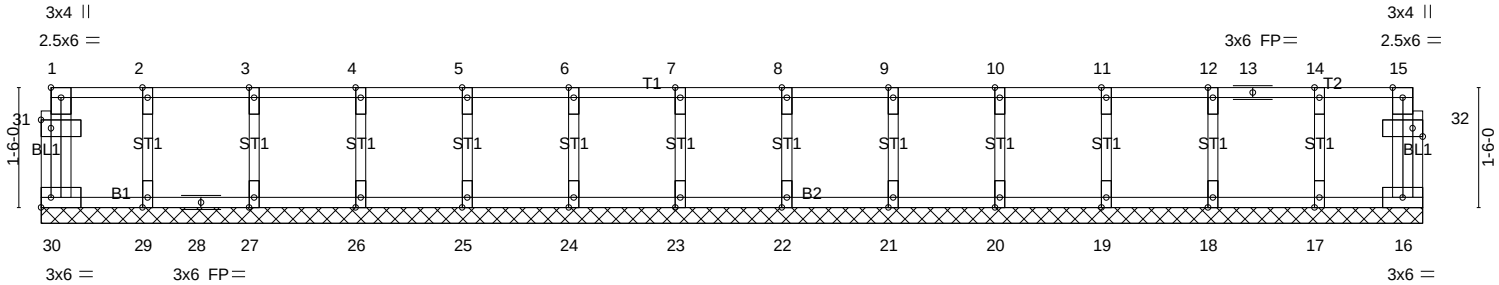
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F02	Floor Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:15 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-vqKNVldkJICjImK1xTt7qG3HH7pDvkCYlv9i2HzyoKU

0-1-8 0-1-8

Scale = 1:28.8



17-3-8
17-3-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [31:0-1-8,0-1-4], [32:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 84 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17

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

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

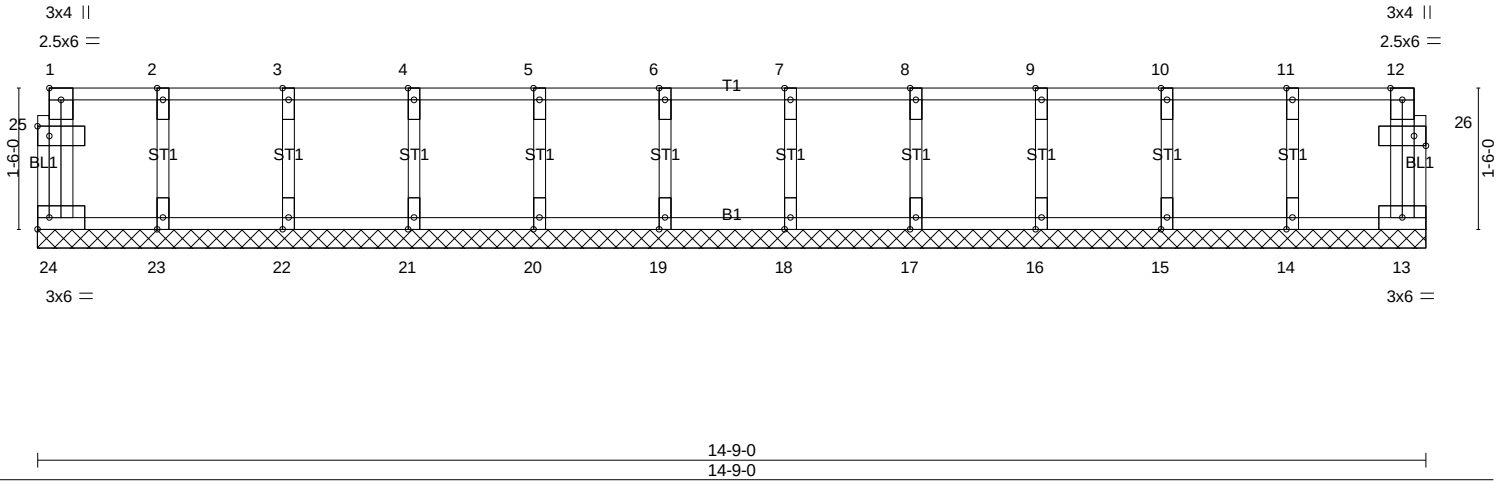
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F03	Floor Supported Gable	3	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:17 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-sCS7wRf_rvSRX4TP2tvbvh8dnxVgNehrCDep69zyoKS

0-1-8 0-1-8

Scale = 1:24.5



14-9-0
14-9-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [25:0-1-8,0-1-4], [26:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 73 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-9-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

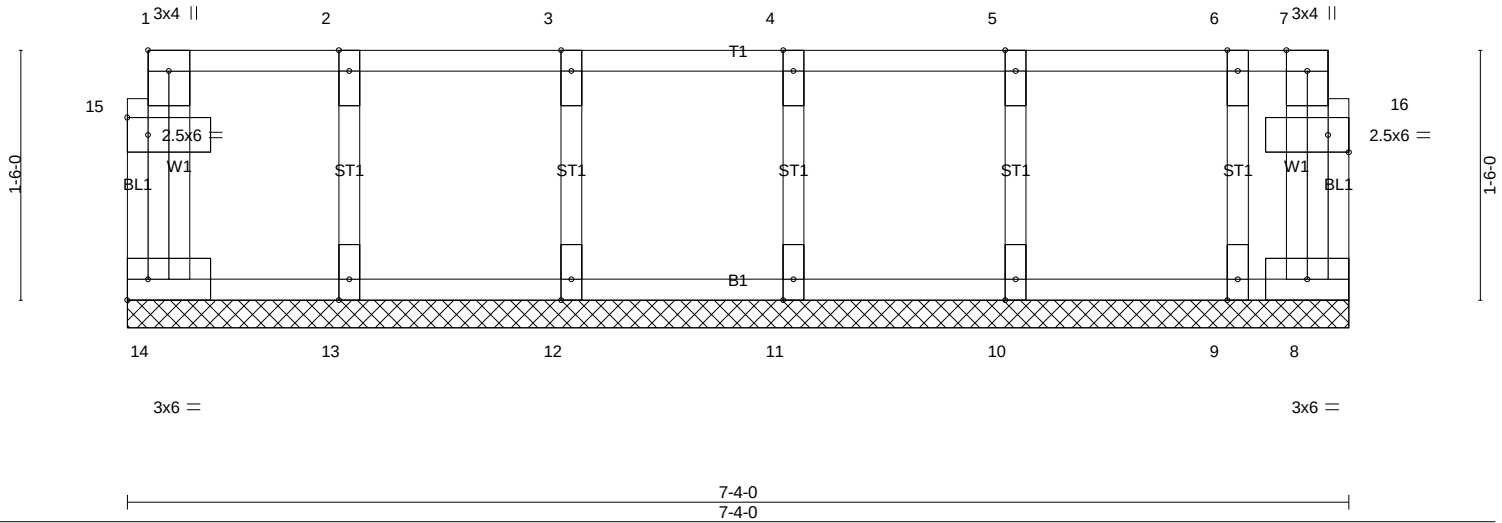
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F04	Floor Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:18 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-KP0V7nfccDaI9D2ccbQqSuhoULrp65w?RtOMeczyoKR

0-1-8 0-1-8

Scale = 1:13.8



7-4-0
7-4-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-1-8,0-1-4], [16:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 41 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-
1) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
2) All plates are 1.5x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F05	Floor	9	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:19 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-obauL7gENWi8mNdoAIy3_6Emlk_grJH8gX7vB2zyoKQ

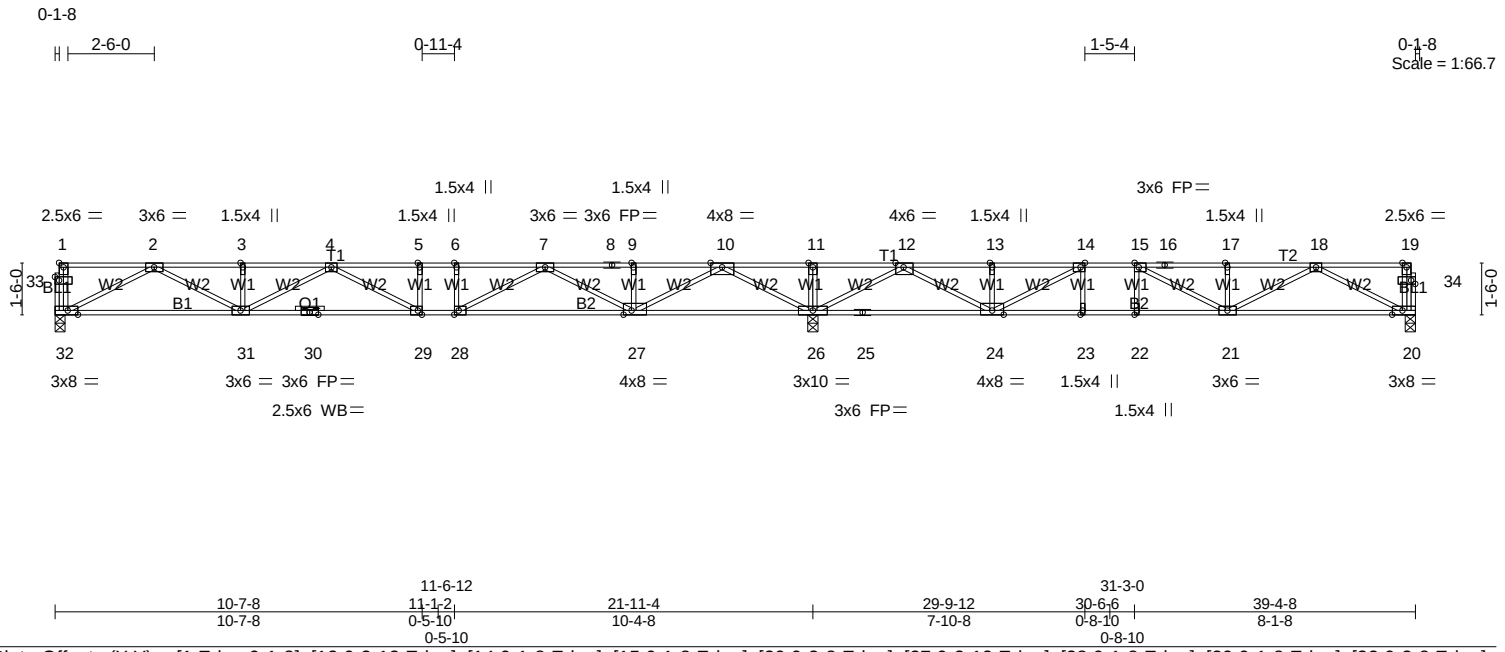


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [12:0-2-12,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [20:0-3-8,Edge], [27:0-2-12,Edge], [28:0-1-8,Edge], [29:0-1-8,Edge], [32:0-3-8,Edge], [33:0-1-8,0-1-4], [34:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.34	29-31	>763	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.48	29-31	>548	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.06	20	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 205 lb	FT = 8%F, 4%E

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

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

REACTIONS. (lb/size) 20=684/0-3-8 (min. 0-1-8), 32=985/0-3-8 (min. 0-1-8), 26=2608/0-3-8 (min. 0-1-8)
Max Grav 20=809(LC 4), 32=1035(LC 3), 26=2608(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2921/0, 3-4=-2921/0, 4-5=-3512/0, 5-6=-3512/0, 6-7=-3512/0, 7-8=-1607/311, 8-9=-1607/311, 9-10=-1607/311, 10-11=0/3152, 11-12=0/3152, 12-13=-1367/1038, 13-14=-1367/1038, 14-15=-2135/422, 15-16=-2080/11, 16-17=-2080/11, 17-18=-2080/11
BOT CHORD 31-32=0/1781, 30-31=0/3500, 29-30=0/3500, 28-29=0/3512, 27-28=0/2780, 26-27=-1022/0, 25-26=-1668/152, 24-25=-1668/152, 23-24=-422/2135, 22-23=-422/2135, 21-22=-422/2135, 20-21=0/1336
WEBS 11-26=-282/0, 2-32=-1995/0, 10-26=-2643/0, 2-31=0/1294, 10-27=0/2070, 9-27=-265/0, 4-31=-657/0, 7-27=-1434/0, 4-29=-470/291, 7-28=0/1119, 6-28=-344/0, 18-20=-1496/0, 12-26=-2225/0, 18-21=-57/844, 12-24=0/1630, 17-21=-347/0, 15-21=-62/591, 14-24=-1315/0, 14-23=0/268

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 30 = 4%
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F06	Floor	20	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:20 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-Gn7GYTht8qr?OXC_j0TlXJm_L8JwapuIuBtTjUzyoKP

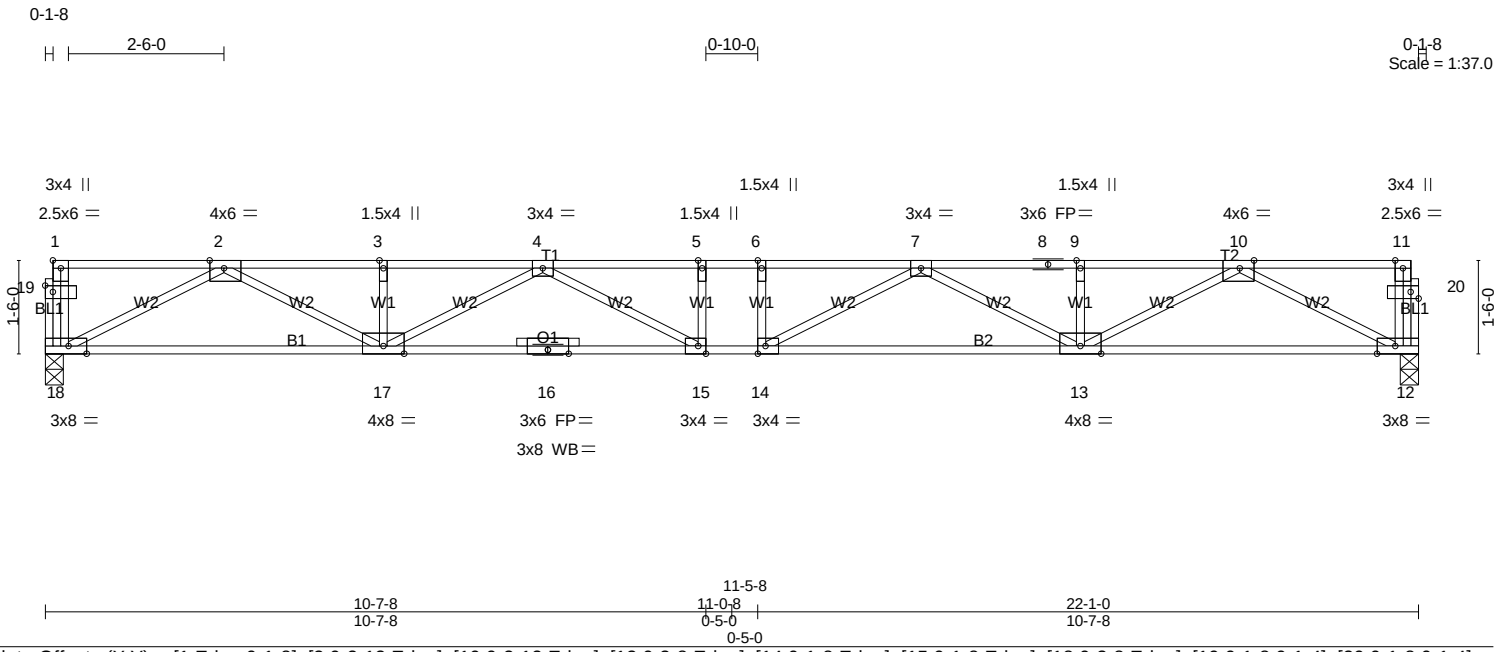


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-2-12,Edge], [10:0-2-12,Edge], [12:0-3-8,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-3-8,Edge], [19:0-1-8,0-1-4], [20:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.62	Vert(LL)	-0.40	15	>651	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.55	15-17	>474	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 118 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 5-4-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 12=1188/0-3-8 (min. 0-1-8), 18=1188/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3502/0, 3-4=-3502/0, 4-5=-4725/0, 5-6=-4725/0, 6-7=-4725/0, 7-8=-3502/0, 8-9=-3502/0, 9-10=-3502/0
BOT CHORD 17-18=0/2076, 16-17=0/4366, 15-16=0/4366, 14-15=0/4725, 13-14=0/4366, 12-13=0/2076
WEBS 10-12=-2326/0, 2-18=-2326/0, 10-13=0/1618, 2-17=0/1618, 7-13=-981/0, 4-17=-981/0, 7-14=-102/719, 4-15=-102/719

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) The Fabrication Tolerance at joint 16 = 4%
4) Plates checked for a plus or minus 0 degree rotation about its center.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F07	Floor	7	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:22 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-CAF0z9j7gR5jdrMNrRVmcksJ_y_p2hRaMVMaoNzyoKN

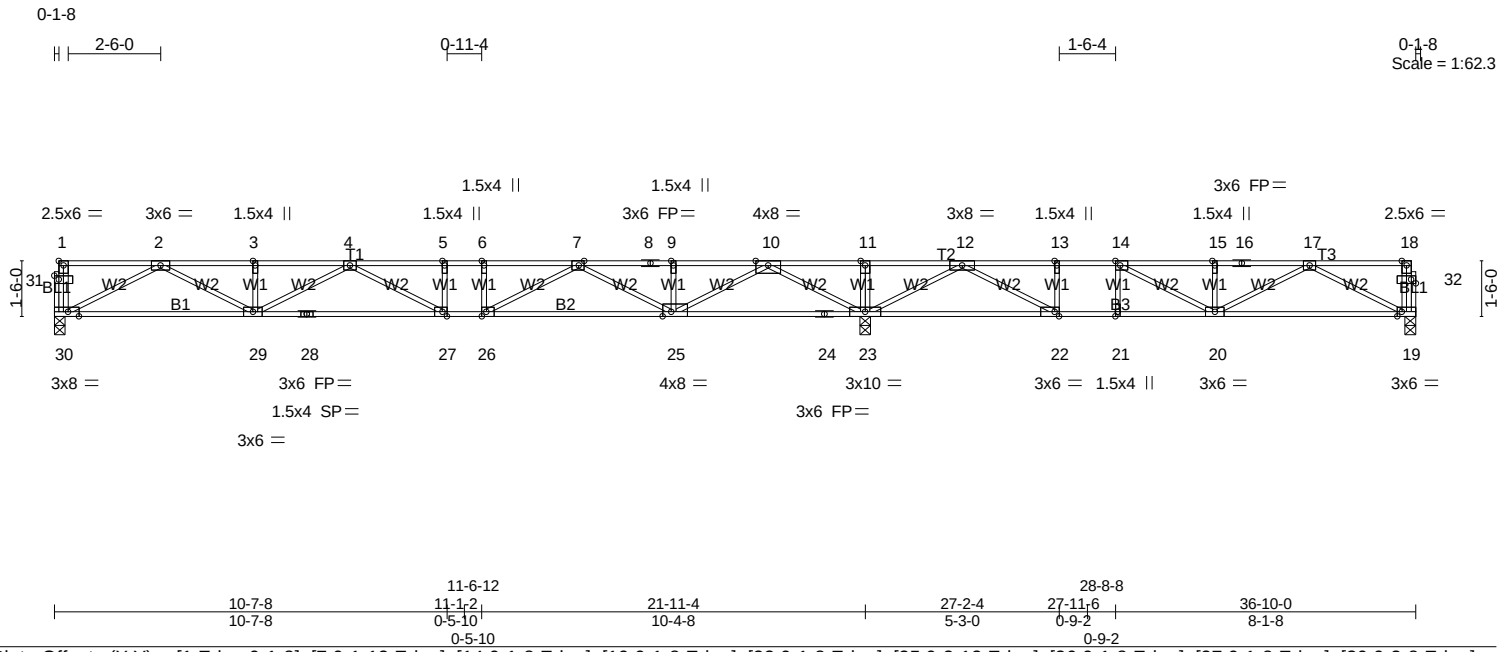


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-12,Edge], [14:0-1-8,Edge], [19:0-1-8,Edge], [22:0-1-8,Edge], [25:0-2-12,Edge], [26:0-1-8,Edge], [27:0-1-8,Edge], [30:0-3-8,Edge], [31:0-1-8,0-1-4], [32:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.34	27-29	>765	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.48	27-29	>544	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.07	23	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 191 lb	FT = 8%F, 4%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except*
T2: 2x4 SP DSS(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Sheathed or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 19=558/0-3-8 (min. 0-1-8), 30=1025/0-3-8 (min. 0-1-8), 23=2415/0-3-8 (min. 0-1-8)
Max Grav 19=708(LC 4), 30=1045(LC 10), 23=2415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2960/0, 3-4=-2960/0, 4-5=-3591/0, 5-6=-3591/0, 6-7=-3591/0, 7-8=-1739/0, 8-9=-1739/0, 9-10=-1739/0, 10-11=0/2636, 11-12=0/2636, 12-13=-1482/814, 13-14=-1482/814, 14-15=-1710/231, 15-16=-1710/231, 16-17=-1710/231
BOT CHORD 29-30=0/1801, 28-29=0/3558, 27-28=0/3558, 26-27=0/3591, 25-26=0/2885, 24-25=-464/9, 23-24=-464/9, 22-23=-1579/466, 21-22=-814/1482, 20-21=-814/1482, 19-20=-79/1139
WEBS 11-23=-312/0, 2-30=-2017/0, 10-23=-2576/0, 2-29=0/1316, 10-25=0/2014, 9-25=-267/0, 4-29=-678/0, 7-25=-1358/0, 4-27=-367/392, 7-26=0/1012, 6-26=-314/0, 17-19=-1273/90, 12-23=-1905/0, 17-20=-172/648, 12-22=0/1574, 15-20=-389/0, 13-22=-530/0, 14-20=0/849

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) The Fabrication Tolerance at joint 28 = 4%
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	F08	Floor	2	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:23 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-gMpOAUjlRlDaF?xZP80?9yOZMMVnnKDkb957KpzyoKM

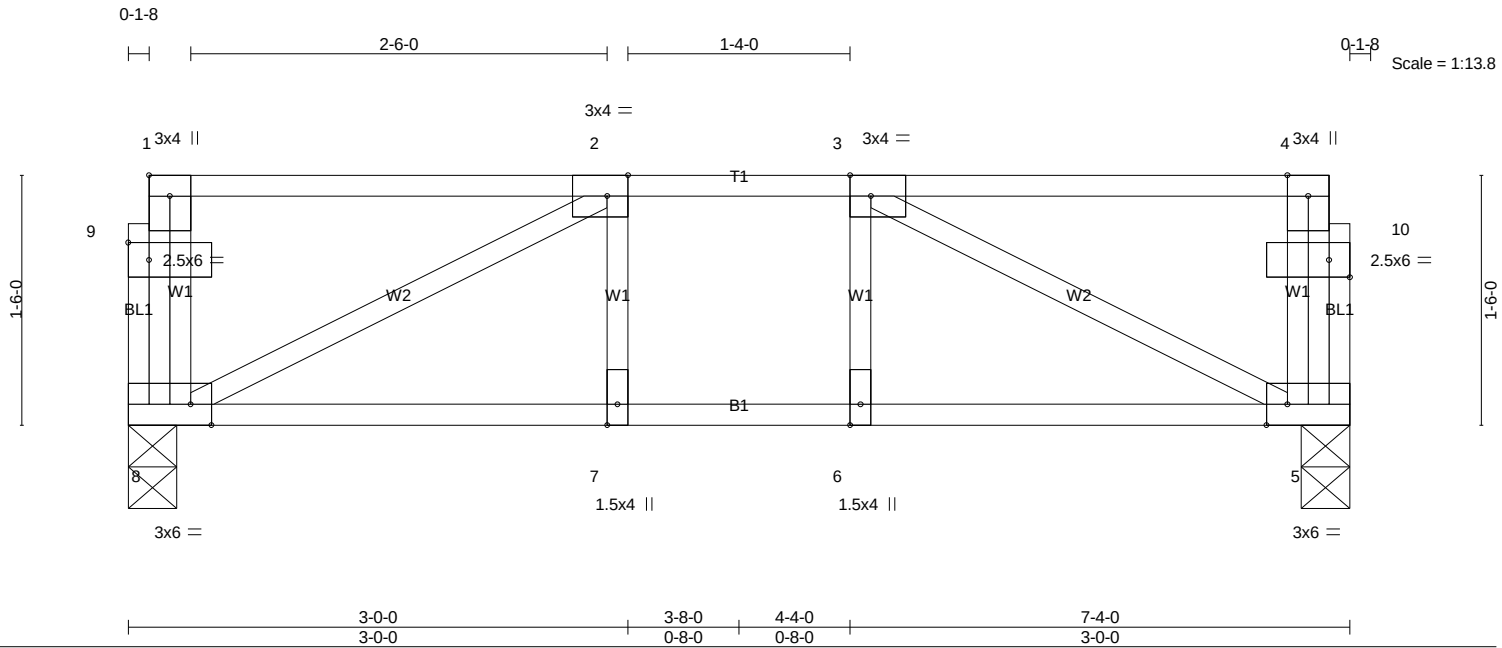


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,0-1-4], [10:0-1-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.04	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.04	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 44 lb	FT = 8%F, 4%E

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=376/0-3-8 (min. 0-1-8), 8=376/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-505/0
BOT CHORD 7-8=0/505, 6-7=0/505, 5-6=0/505
WEBS 3-5=-559/0, 2-8=-559/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
3) Plates checked for a plus or minus 0 degree rotation about its center.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	G01	Common Girder	1	2	Job Reference (optional)

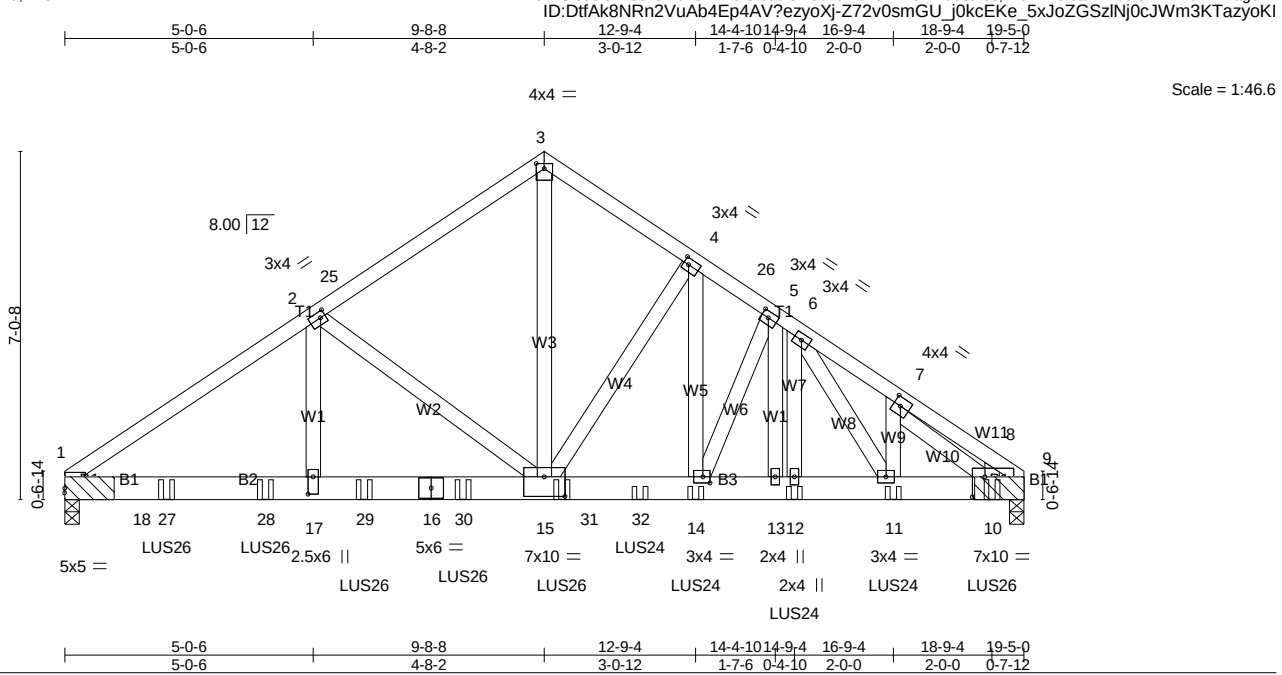


Plate Offsets (X,Y)-- [1:0-0-0,0-1-1], [2:0-1-4,0-1-8], [3:0-2-0,0-1-4], [4:0-1-4,0-1-8], [5:0-1-12,0-1-8], [7:0-1-12,0-2-0], [9:0-3-0,0-4-14], [14:0-1-12,0-1-8], [15:0-5-0,0-4-12], [17:0-4-4,0-1-4]

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	0.30	Vert(LL)	-0.09	15-17	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.16	15-17	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.04	9	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-MS							Weight: 303 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W3: 2x4 SP No.2

BRACING-
TOP CHORD Sheathed or 4-9-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=4034/(0-3-8 + bearing block) (req. 0-3-13), 9=4352/(0-3-8 + bearing block) (req. 0-4-1)
Max Horz 1=-162(LC 35)
Max Uplift1=-349(LC 12)
Max Grav 1=4865(LC 3), 9=5169(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7122/501, 2-25=-5005/278, 3-25=-4946/306, 3-4=-4957/314, 4-26=-6209/154, 5-26=-6250/146, 5-6=-6516/89, 6-7=-7257/0, 7-8=-5383/0, 8-9=-5631/0
BOT CHORD 1-18=-350/5870, 18-27=-350/5870, 27-28=-350/5870, 17-28=-350/5870, 17-29=-350/5870, 16-29=-350/5870, 16-30=-350/5870, 15-30=-350/5870, 15-31=-6/5149, 31-32=-6/5149, 14-32=-6/5149, 13-14=0/5624, 12-13=0/5624, 11-12=0/5624, 10-11=0/5975, 9-10=0/4479
WEBS 3-15=-257/5241, 5-13=0/790, 2-15=-2206/338, 2-17=-207/2278, 4-14=0/2237, 4-15=-1875/0, 5-14=-1141/0, 7-11=-78/340, 6-11=0/735, 8-10=0/449, 7-10=-2108/6

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 8-10 2x4 - 1 row at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2x6 SP No.1 bearing block 12" long at jt. 1 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
4) 2x6 SP No.1 bearing block 12" long at jt. 9 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
5) Unbalanced roof live loads have been considered for this design.
6) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
7) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
8) Unbalanced snow loads have been considered for this design.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 349 lb uplift at joint 1.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) T08 (1 ply 2x4 SP) to front face of bottom chord.
14) Use Simpson Strong-Tie LUS24 (4-SD9112 Girder, 2-SD9212 Truss, Single Ply Girder) or equivalent at 11-7-12 from the left end to connect truss(es) T09 (1 ply 2x4 SP) to front face of bottom chord.
15) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 12-9-4 from the left end to 16-9-4 to connect truss(es) T15 (1 ply 2x4 SP), T16 (1 ply 2x4 SP) to front face of bottom chord.
16) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent at 18-9-4 from the left end to connect truss(es) T16 (1 ply 2x4 SP) to front face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-51, 3-9=-51, 19-22=-20
   Concentrated Loads (lb)
      Vert: 14=-625(F) 12=-625(F) 11=-625(F) 10=-629(F) 27=-747(F) 28=-747(F) 29=-747(F) 30=-747(F) 31=-747(F) 32=-772(F)

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	G02	Common Girder	1	2	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:29 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-VWAfRYoW0bzkzwOjlP7PODeeImSCBxqcz4YRXTzyoKG

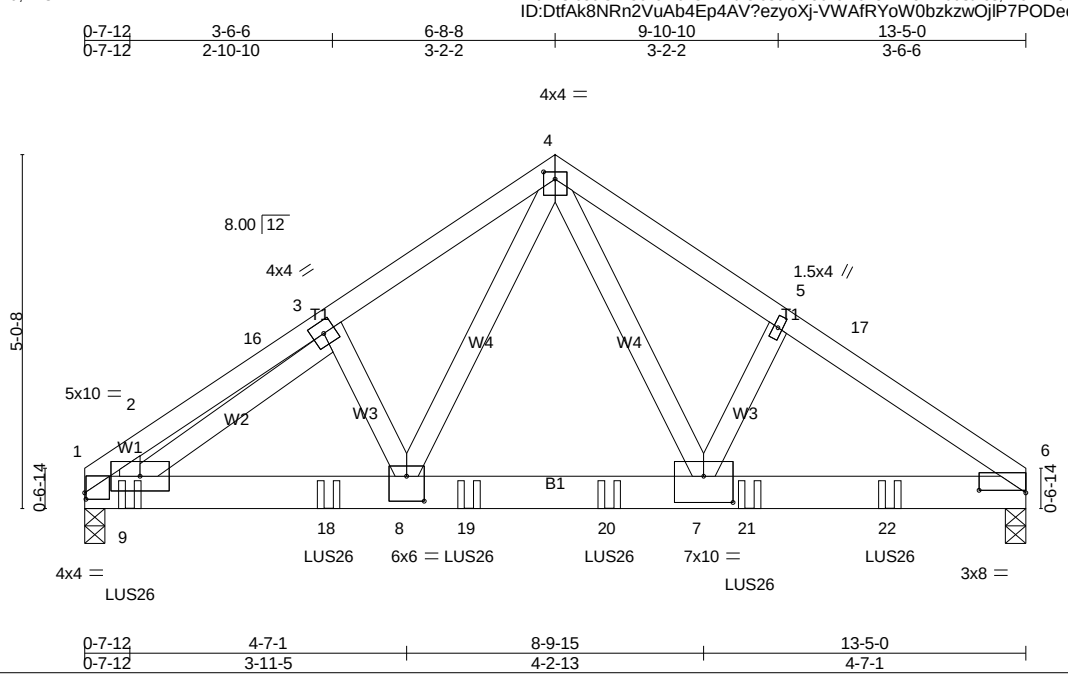


Plate Offsets (X,Y)-- [1:0-0-4,0-1-1], [4:0-2-0,0-1-4], [6:0-8-0,0-0-7], [7:0-5-0,0-4-8], [8:0-3-0,0-4-4]

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	0.15	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.08	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3176/0-3-8 (min. 0-2-15), 6=2875/0-3-8 (min. 0-2-12)
Max Horz 1=112(LC 36)
Max Uplift1=-363(LC 12), 6=-363(LC 12)
Max Grav 1=3753(LC 3), 6=3526(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3825/359, 2-16=-3670/390, 3-16=-3621/400, 3-4=-4577/539, 4-5=-4737/559, 5-17=-4749/522, 6-17=-4805/510
BOT CHORD 1-9=-287/3043, 9-18=-367/3787, 8-18=-367/3787, 8-19=-217/2726, 19-20=-217/2726, 7-20=-217/2726, 7-21=-386/3971, 21-22=-386/3971, 6-22=-386/3971
WEBS 4-7=-313/2888, 4-8=-275/2554, 2-9=-81/296, 3-9=-994/107

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 363 lb uplift at joint 1 and 363 lb uplift at joint 6.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss) or equivalent at 0-7-12 from the left end to connect truss(es) T12 (1 ply 2x4 SP) to front face of bottom chord.
12) Use Simpson Strong-Tie LUS26 (4-SD9112 Girder, 4-SD9212 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-5-12 from the left end to 11-5-12 to connect truss(es) T13 (1 ply 2x4 SP) to front face of bottom chord.

Continued on page 2

NOTES-

13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-51, 4-6=-51, 10-13=-20
   Concentrated Loads (lb)
      Vert: 12=-835(F) 18=-853(F) 19=-853(F) 20=-853(F) 21=-853(F) 22=-853(F)

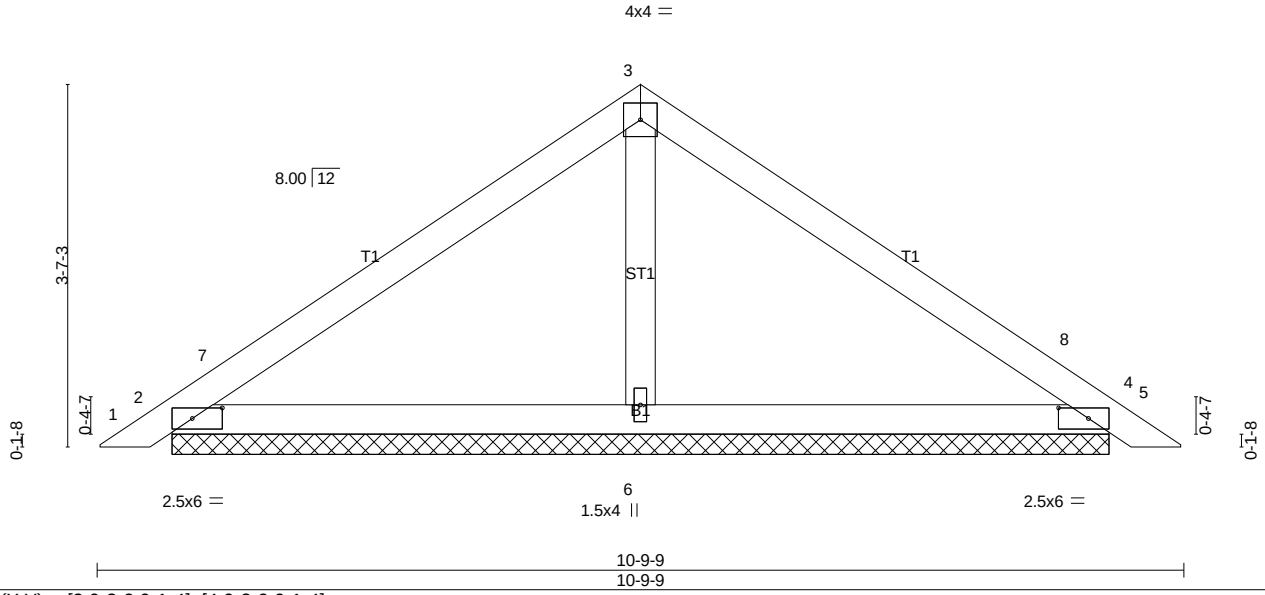
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	PB01	Piggyback	25	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:31 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-RvIQsDqmYCDRCDY5tq9tUdjyOaFcfzkvQO1YcLzyoKE

5-4-13 | 10-9-9
5-4-13 | 5-4-13

Scale = 1:22.9



10-9-9
10-9-9

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

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	0.31	Vert(LL)	0.01	5	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	0.01	5	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 37 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=188/9-3-11 (min. 0-1-8), 4=188/9-3-11 (min. 0-1-8), 6=331/9-3-11 (min. 0-1-8)
Max Horz 2=86(LC 11)
Max Uplift2=-53(LC 12), 4=-53(LC 12), 6=-2(LC 12)
Max Grav 2=247(LC 17), 4=247(LC 18), 6=370(LC 2)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 2, 53 lb uplift at joint 4 and 2 lb uplift at joint 6.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T01	Common	17	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:32 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-v5so3ZqOJWLIqN7IQXg60rG?F_P0OLR3f2n58ozyoKD

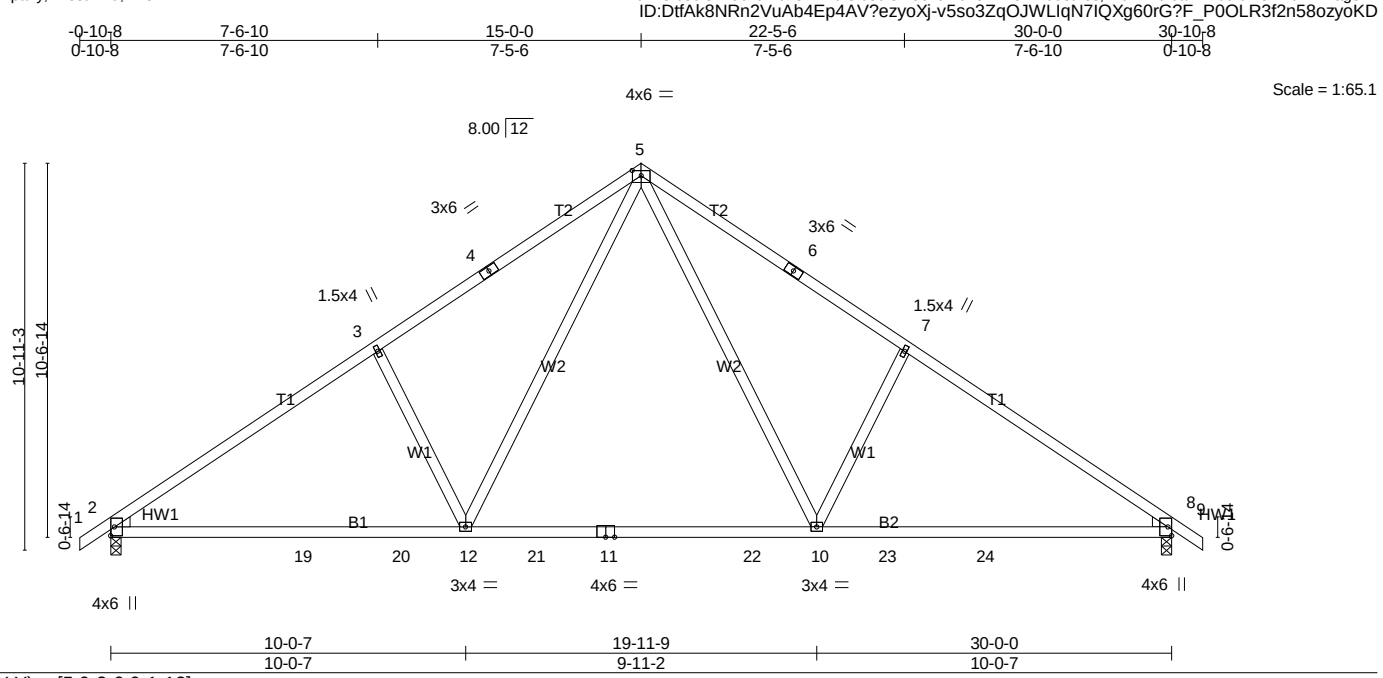


Plate Offsets (X,Y)-- [5:0-3-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.27	10-12	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.40	10-12	>892	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1106/0-3-8 (min. 0-2-5), 8=1106/0-3-8 (min. 0-2-5)
Max Horz 2=-278(LC 10)
Max Uplift2=-151(LC 12), 8=-151(LC 12)
Max Grav 2=1474(LC 24), 8=1474(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1963/221, 3-4=-1833/273, 4-5=-1715/301, 5-6=-1716/301, 6-7=-1834/273, 7-8=-1963/221
BOT CHORD 2-19=-56/1747, 19-20=-56/1747, 12-20=-56/1747, 12-21=0/1126, 11-21=0/1126, 11-22=0/1126, 10-22=0/1126, 10-23=-56/1556, 23-24=-56/1556, 8-24=-56/1556
WEBS 5-10=-96/957, 7-10=-467/226, 5-12=-96/957, 3-12=-467/226

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 2 and 151 lb uplift at joint 8.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T01GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:34 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-sU_YUFsfr7b03hHgYyja5GLWInI3sI3L7MGCDgzyoKB

-0-10-8 15-0-0 30-0-0 30-10-8
0-10-8 15-0-0 15-0-0 0-10-8

Scale = 1:65.4

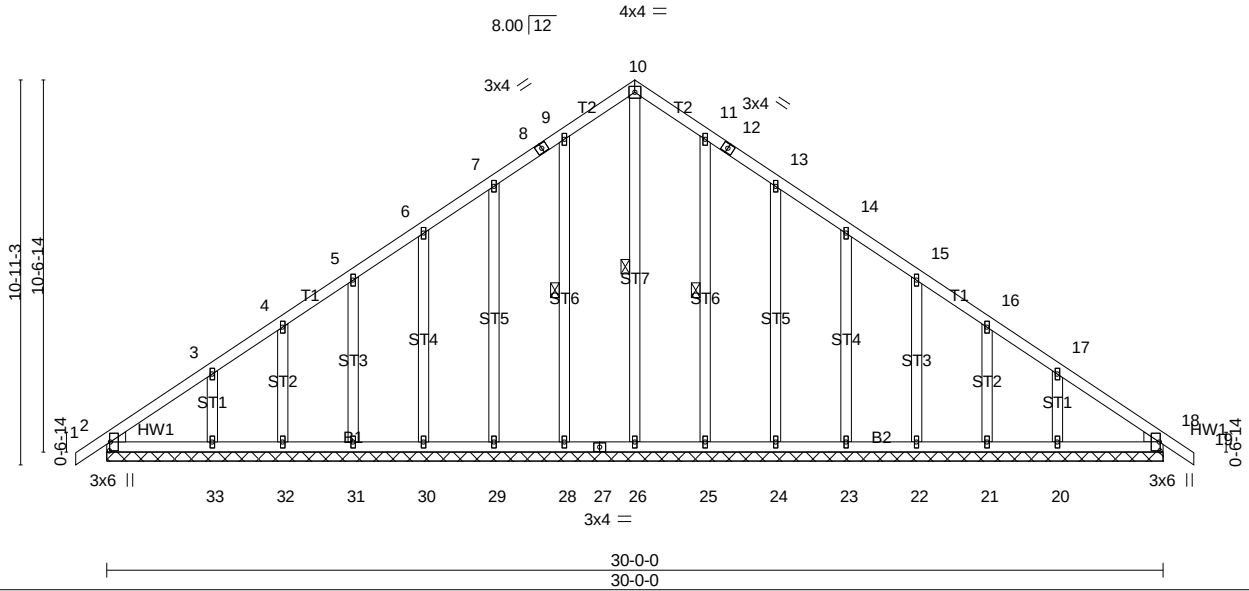


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [18:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	19	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	19	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	18	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 214 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-26, 9-28, 11-25

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

REACTIONS. All bearings 30-0-0.
(lb) - Max Horz 2=278(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 26, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 18 except 33=263(LC 24), 20=258(LC 25)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 18.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T01SGE	Common Structural Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C. Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:36 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-os5JvxtvNlskJ_Q3fNl2BhRjFbvXKC4eaglJHZzyoK9

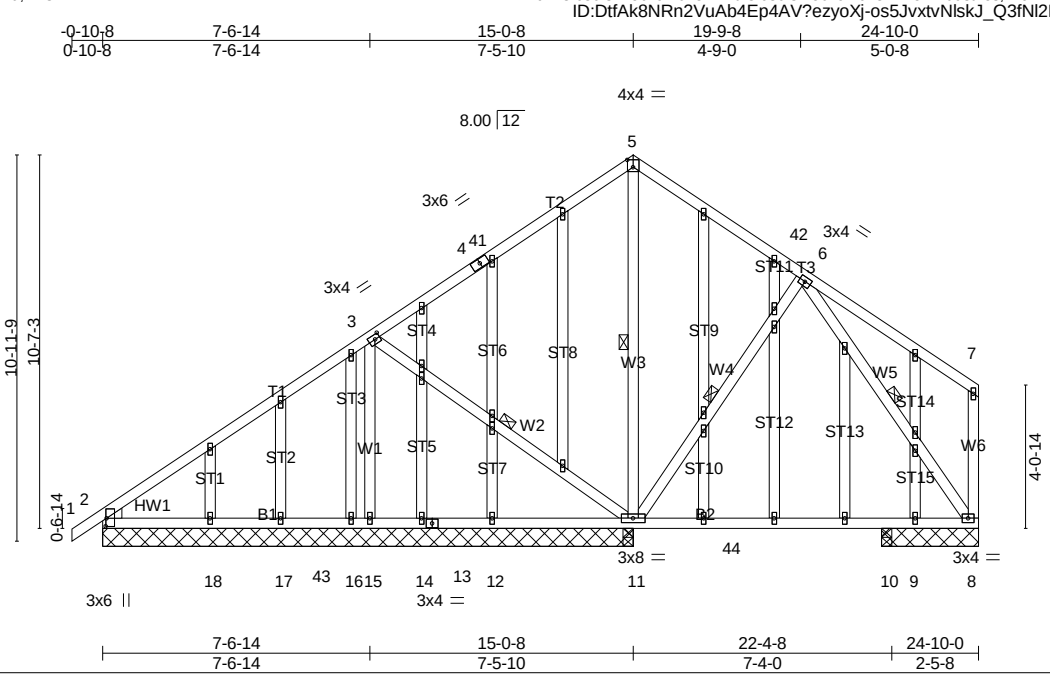


Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [3:0-1-12,0-1-8], [5:0-2-0,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.07	10-11	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.11	10-11	>791	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-11, 5-11, 6-11, 6-8

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

REACTIONS. All bearings 15-0-8 except (jt=length) 8=2-9-0, 9=2-9-0, 10=0-3-8.
(lb) - Max Horz 2=324(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 8, 17, 18 except 11=-113(LC 12), 9=-316(LC 19)
Max Grav All reactions 250 lb or less at joint(s) 12, 14, 16, 17 except 2=331(LC 25), 15=322(LC 17), 11=693(LC 26), 11=566(LC 1), 8=348(LC 2), 18=257(LC 24), 10=573(LC 19), 2=277(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-346/97
BOT CHORD 2-18=-134/263, 17-18=-134/263, 17-43=-134/263, 16-43=-134/263, 15-16=-134/263, 14-15=-134/263, 13-14=-134/263, 12-13=-134/263, 11-12=-134/263
WEBS 3-15=-326/92, 5-11=-283/16

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=25ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15, 8, 17, 18, 2 except (jt=lb) 11=113, 9=316.

Continued on page 2

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T02	Common	11	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:37 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-G3fh6HuX82_bw8?FD4GHjuztf?Ar3dLopKVsp?zyoK8

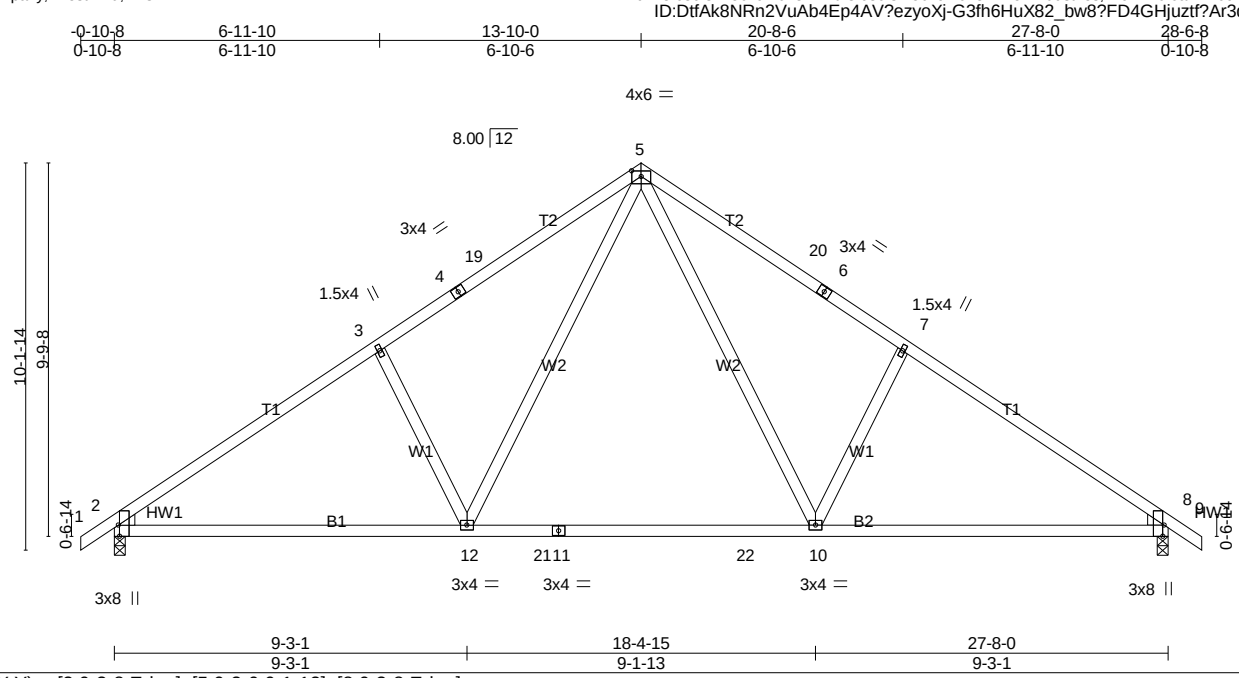


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [5:0-3-0,0-1-12], [8:0-3-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.25	10-12	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.36	10-12	>934	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 141 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 4-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1024/0-3-8 (min. 0-2-1), 8=1024/0-3-8 (min. 0-2-1)
Max Horz 2=-253(LC 10)
Max Uplift2=-142(LC 12), 8=-142(LC 12)
Max Grav 2=1320(LC 24), 8=1320(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1745/203, 3-4=-1626/236, 4-19=-1546/250, 5-19=-1518/277, 5-20=-1519/277, 6-20=-1546/250, 6-7=-1626/236, 7-8=-1746/203
BOT CHORD 2-12=-48/1554, 12-21=0/1005, 11-21=0/1005, 11-22=0/1005, 10-22=0/1005, 8-10=-48/1381
WEBS 5-10=-88/840, 7-10=-420/207, 5-12=-88/840, 3-12=-420/207

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=28ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=142, 8=142.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T02GE	Common Supported Gable	1	1	Job Reference (optional)

-0-10-8 15-0-0 30-0-0 30-10-8
0-10-8 15-0-0 15-0-0 0-10-8

Scale = 1:65.4

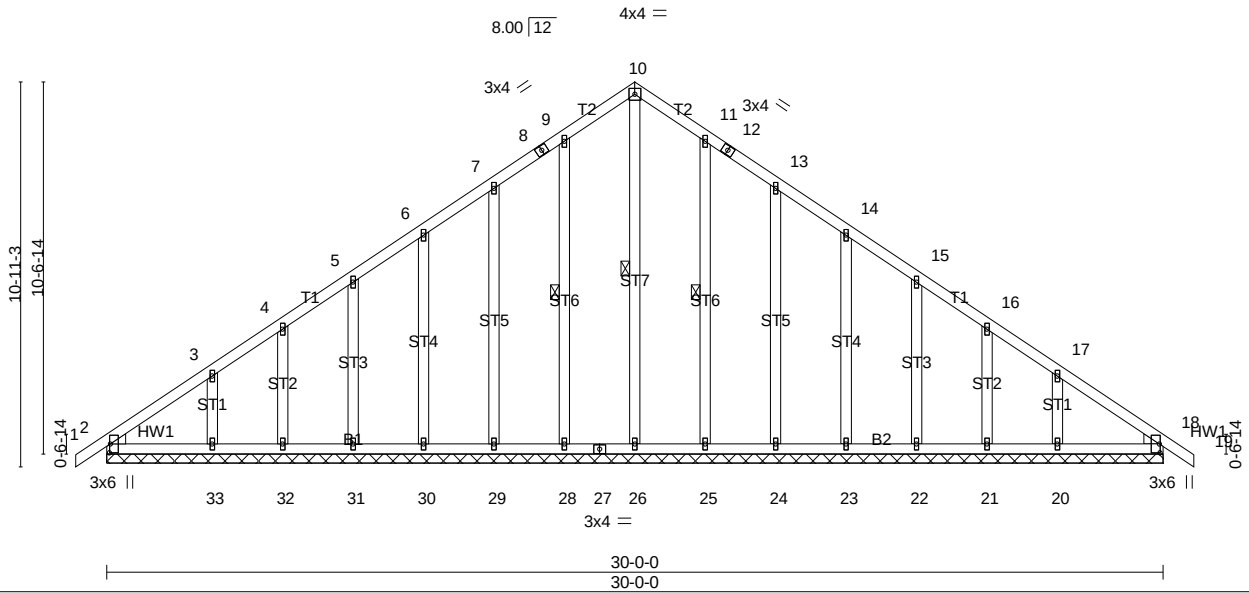


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [18:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	19	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	19	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	18	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 214 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-26, 9-28, 11-25

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

REACTIONS. All bearings 30-0-0.
(lb) - Max Horz 2=-278(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 26, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21, 18 except 33=263(LC 24), 20=258(LC 25)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=30ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T03	Common	4	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:41 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-9qvCyex2BHU1PmJ0SwLDuk8f6cYO?SnNkyT4zmzyoK4

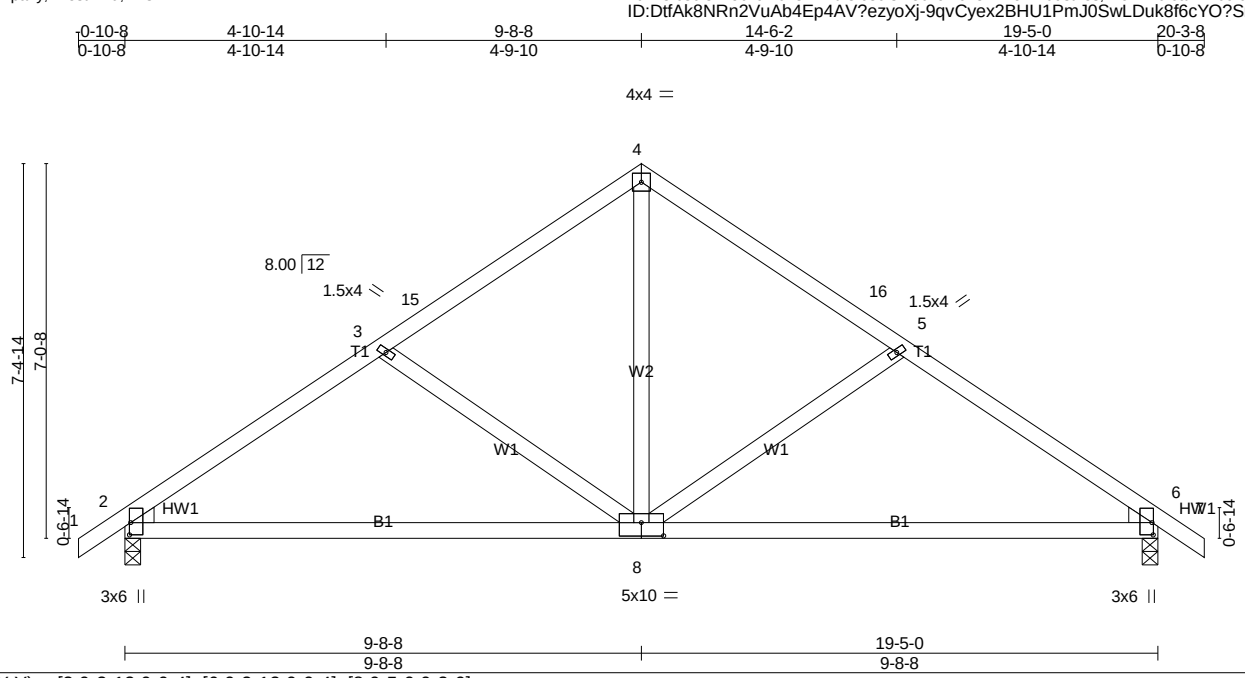


Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [6:0-2-12,0-0-4], [8:0-5-0,0-3-0]

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	0.29	Vert(LL)	-0.11	8-11	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.22	8-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 95 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=732/0-3-8 (min. 0-1-8), 6=732/0-3-8 (min. 0-1-8)
Max Horz 2=-177(LC 10)
Max Uplift 2=-109(LC 12), 6=-109(LC 12)
Max Grav 2=829(LC 2), 6=829(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1029/156, 3-15=-799/108, 4-15=-710/138, 4-16=-710/138, 5-16=-799/108, 5-6=-1029/156
BOT CHORD 2-8=-31/852, 6-8=-31/822
WEBS 4-8=-41/557, 5-8=-317/139, 3-8=-317/139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=109, 6=109.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T03GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:42 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-d0SaA_ygybcu1vuD0dsSQyhtc00PkvlXycCdVDzyoK3

-0-10-8 13-10-0 27-8-0 28-6-8
0-10-8 13-10-0 13-10-0 0-10-8

Scale = 1:60.6

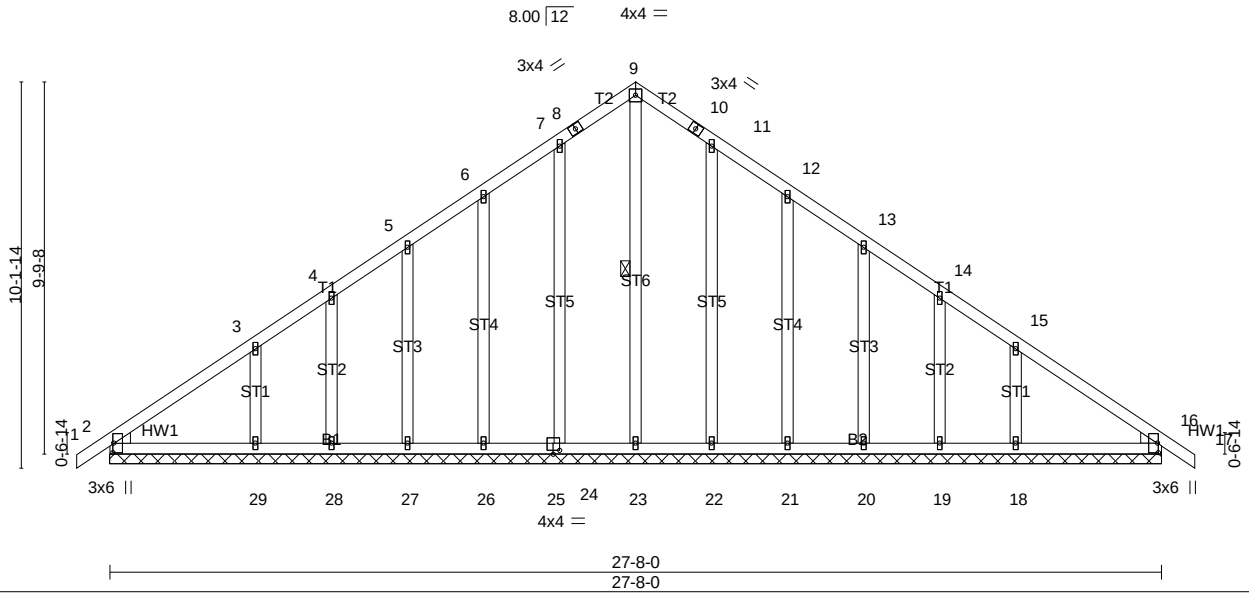


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [16:0-3-0,0-0-4], [25:0-2-0,0-1-4]

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	0.11	Vert(LL)	0.00	17	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.01	17	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 187 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-23

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

REACTIONS. All bearings 27-8-0.
(lb) - Max Horz 2=-253(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 23, 24, 26, 27, 28, 22, 21, 20, 19, 16 except 29=331(LC 24), 18=328(LC 25)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=28ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T04	Common	4	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:44 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-ZPaKag_wUCsbGD2b72uwVNmAMpa4CpTqQwhkZ5zyoK1

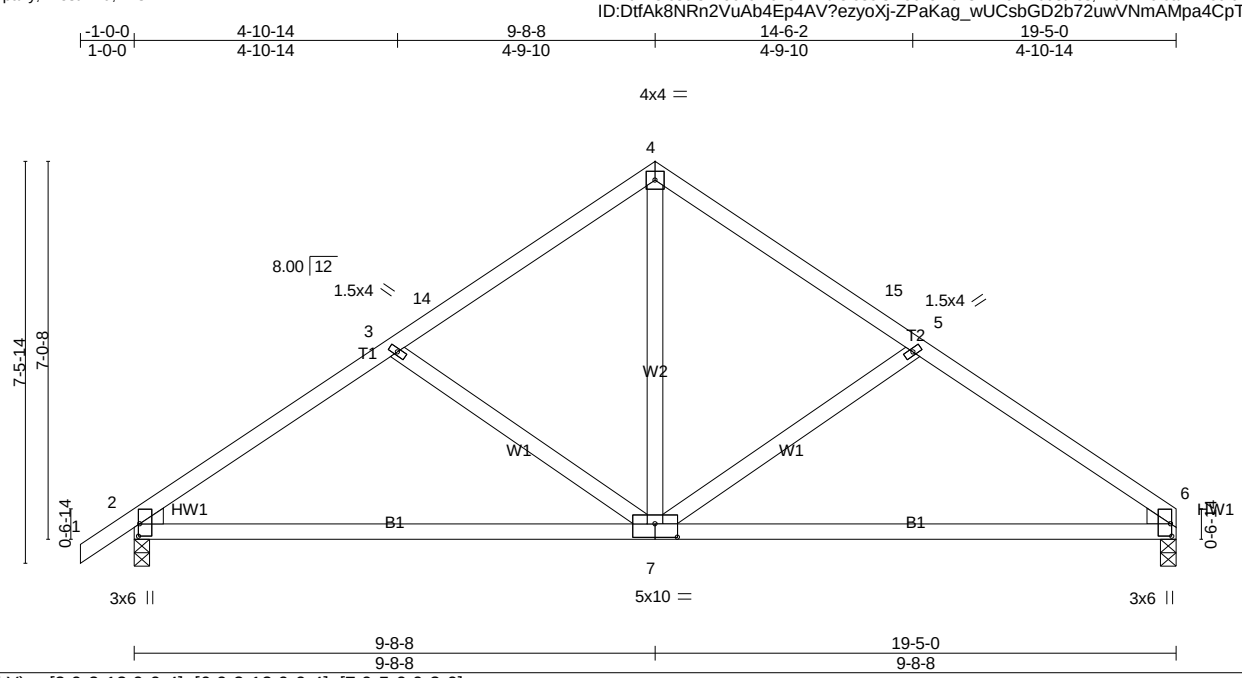


Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [6:0-2-12,0-0-4], [7:0-5-0,0-3-0]

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	0.29	Vert(LL)	-0.11	7-13	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.23	7-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=739/0-3-8 (min. 0-1-8), 6=686/0-3-8 (min. 0-1-8)
Max Horz 2=174(LC 11)
Max Uplift2=-115(LC 12), 6=-76(LC 12)
Max Grav 2=838(LC 2), 6=775(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1044/156, 3-14=-801/109, 4-14=-711/139, 4-15=-711/139, 5-15=-801/110, 5-6=-1032/158
BOT CHORD 2-7=-59/844, 6-7=-63/826
WEBS 4-7=-42/557, 5-7=-321/142, 3-7=-315/138

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=115.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

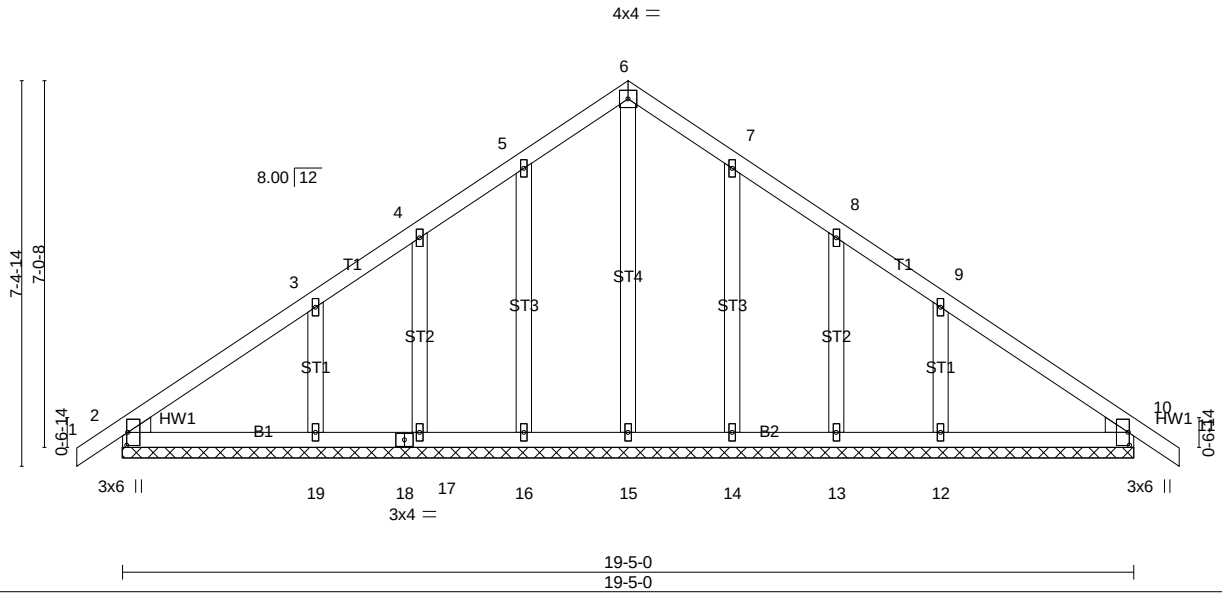
Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T04GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:45 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-1b8jo0_YFW_SuNcohmP92aJO_D1CxIQzeaRH6YzyoK0

0-10-8 9-8-8 19-5-0 20-3-8
0-10-8 9-8-8 9-8-8 0-10-8

Scale = 1:44.2



19-5-0
19-5-0

Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [10:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	0.00	11	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.01	11	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. All bearings 19-5-0.
(lb) - Max Horz 2=177(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 19, 14, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 16, 17, 14, 13, 10 except 19=315(LC 24), 12=312(LC 25)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) 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, 10.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T05	Common	2	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:46 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-Vni5?M?A0p6JWXB_FTxOborS0dJqglY6tEAre_zyoK?

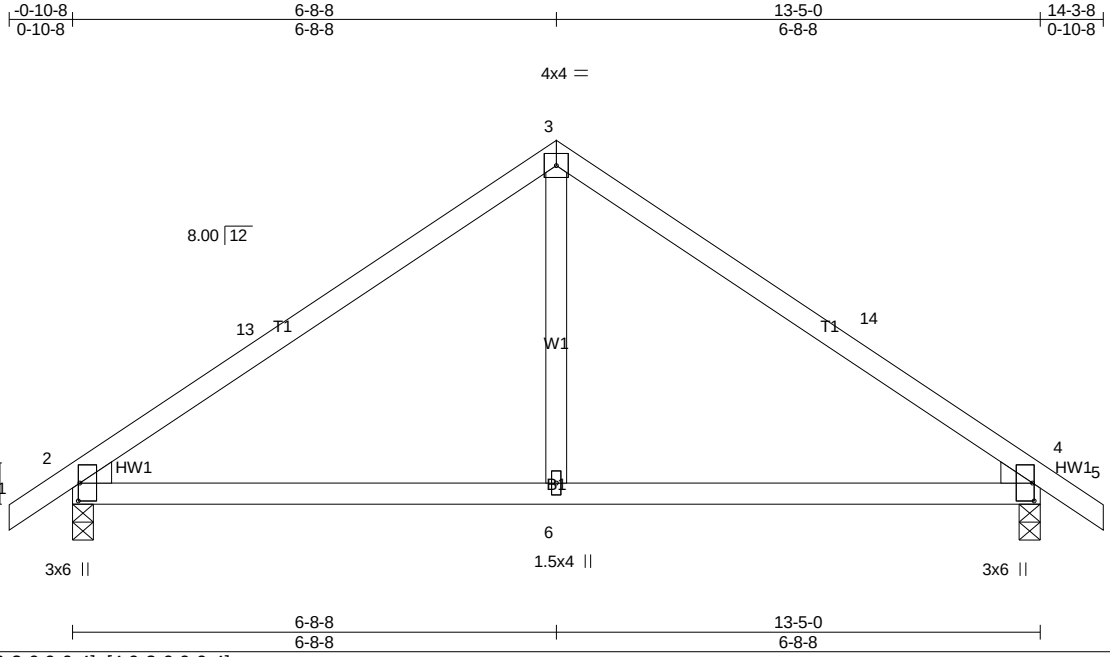


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.06	6-12	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.11	6-12	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 55 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=519/0-3-8 (min. 0-1-8), 4=519/0-3-8 (min. 0-1-8)
Max Horz 2=-127(LC 10)
Max Uplift 2=-85(LC 12), 4=-85(LC 12)
Max Grav 2=589(LC 2), 4=589(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-626/66, 3-13=-526/93, 3-14=-526/93, 4-14=-626/66
BOT CHORD 2-6=0/438, 4-6=0/438
WEBS 3-6=0/305

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T05GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:47 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-z_GTDi0pn7EA7hmApBSd7?OlK1kDPDrG6uwOAQzyoK_

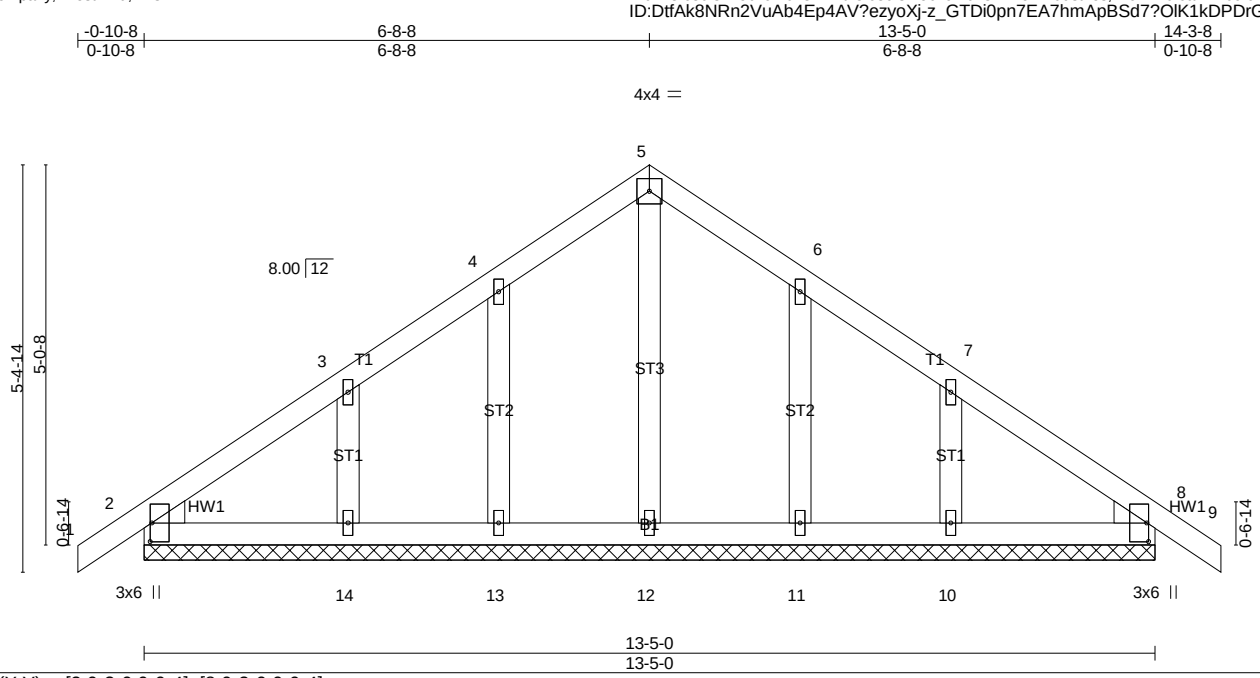


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [8:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	8	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	9	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. All bearings 13-5-0.
(lb) - Max Horz 2=-127(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T06	Common	3	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:48 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-RAqrQ11RYRM1lqLNMuzsgDxoPR_18f2PLYfyhszyoJz

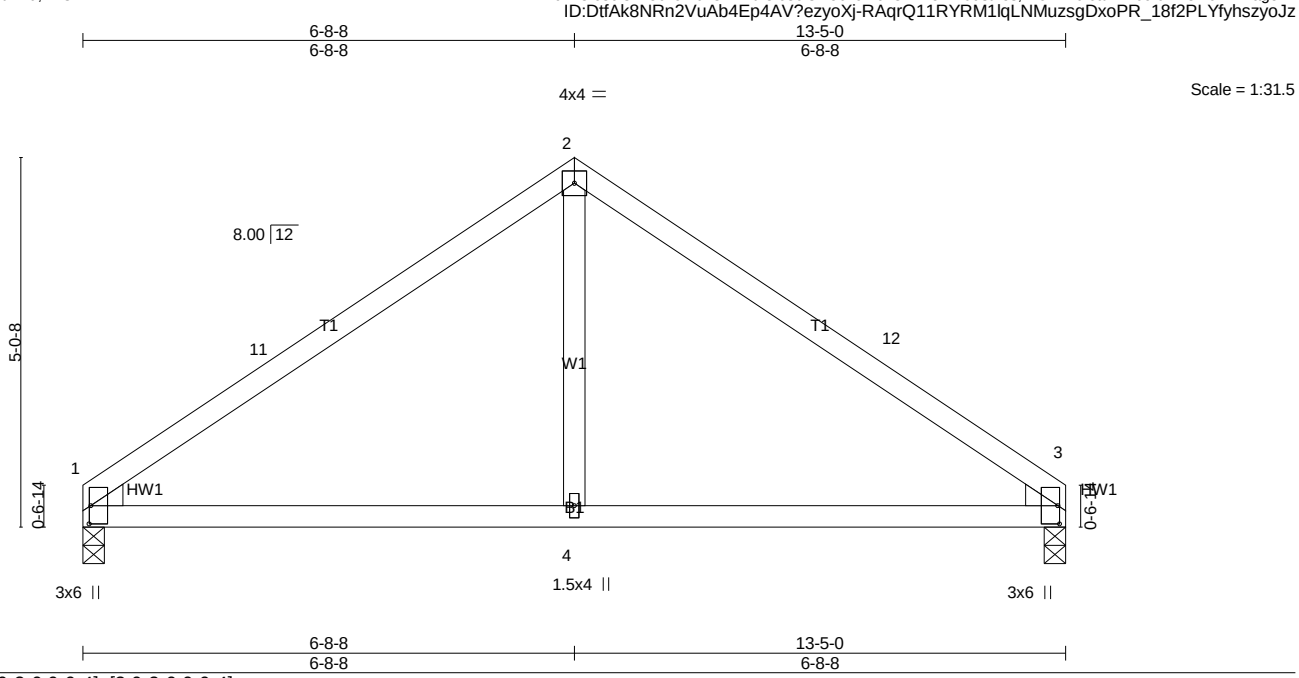


Plate Offsets (X,Y)-- [1:0-3-0,0-0-4], [3:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.07	4-10	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	4-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.02	1	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 52 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=475/0-3-8 (min. 0-1-8), 3=475/0-3-8 (min. 0-1-8)
Max Horz 1=112(LC 11)
Max Uplift1=-53(LC 12), 3=-53(LC 12)
Max Grav 1=537(LC 2), 3=537(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-634/71, 2-11=-534/97, 2-12=-534/97, 3-12=-634/71
BOT CHORD 1-4=0/445, 3-4=0/445
WEBS 2-4=0/307

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T06GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:50 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-OZxcrj2h42cl_8VlUJ?Kle0DRElzcZnior82mlzyoJx

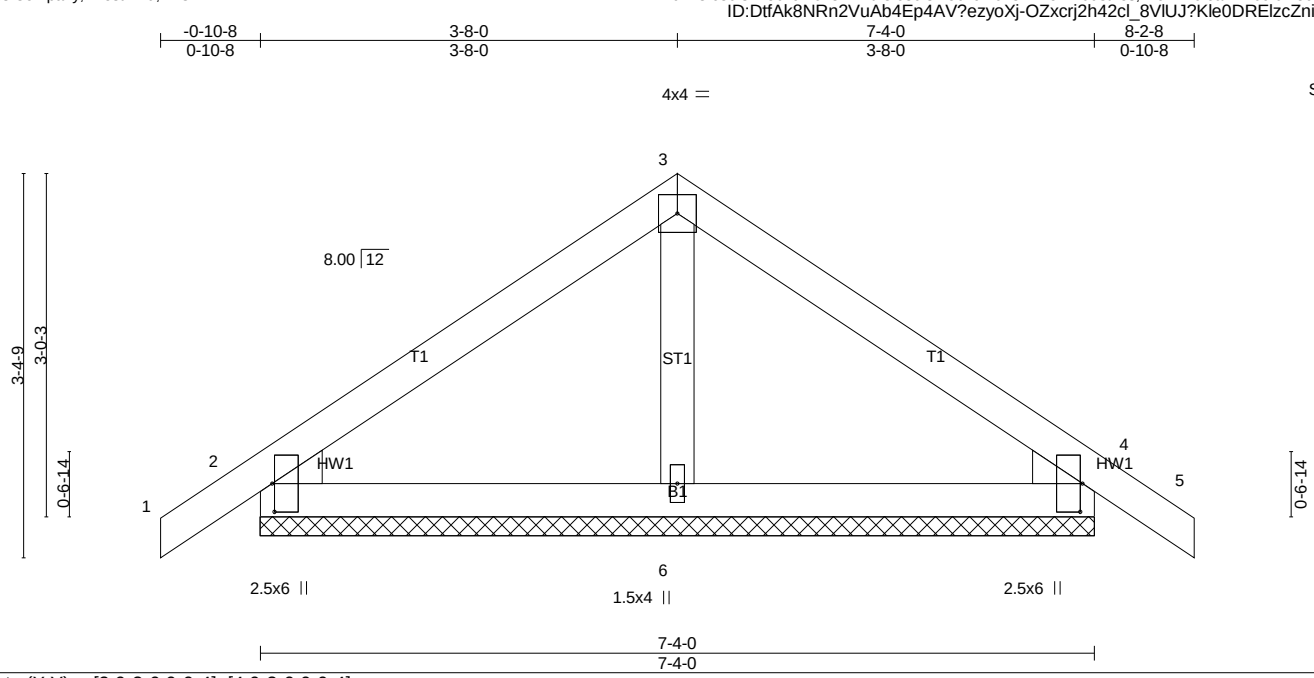


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	0.01	5	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.02	5	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=192/7-4-0 (min. 0-1-8), 4=192/7-4-0 (min. 0-1-8), 6=225/7-4-0 (min. 0-1-8)
Max Horz 2=-76(LC 10)
Max Uplift2=-75(LC 12), 4=-75(LC 12)
Max Grav 2=252(LC 17), 4=252(LC 18), 6=249(LC 2)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T07	Common	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:51 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-slV_233JrMlccI4x10WZHrYPhe4YL0fs1VucIBzyoJw

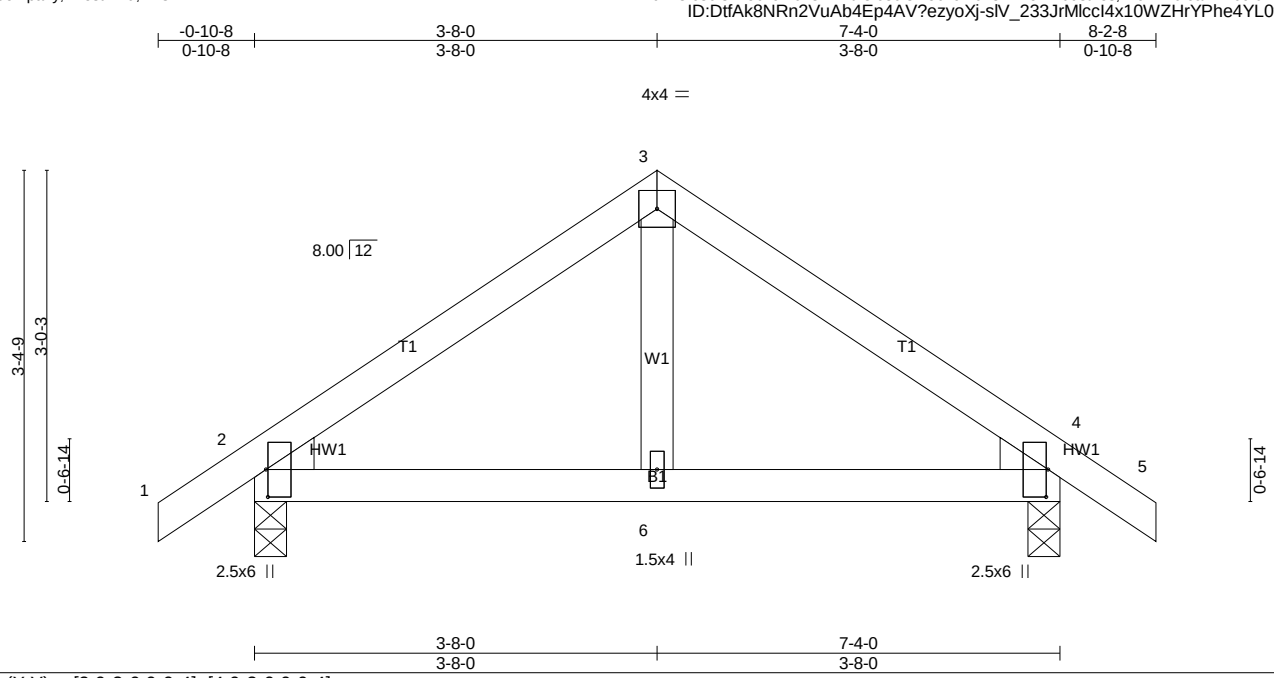


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.01	6-9	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=304/0-3-8 (min. 0-1-8), 4=304/0-3-8 (min. 0-1-8)
Max Horz 2=-76(LC 10)
Max Uplift2=-61(LC 12), 4=-61(LC 12)
Max Grav 2=373(LC 17), 4=373(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-319/44, 3-4=-319/44

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T07GE	Common Supported Gable	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:52 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-Kx3MGP4xcftTESf8bk1oq35XL2Q_4RP?F9d9qezyoJv

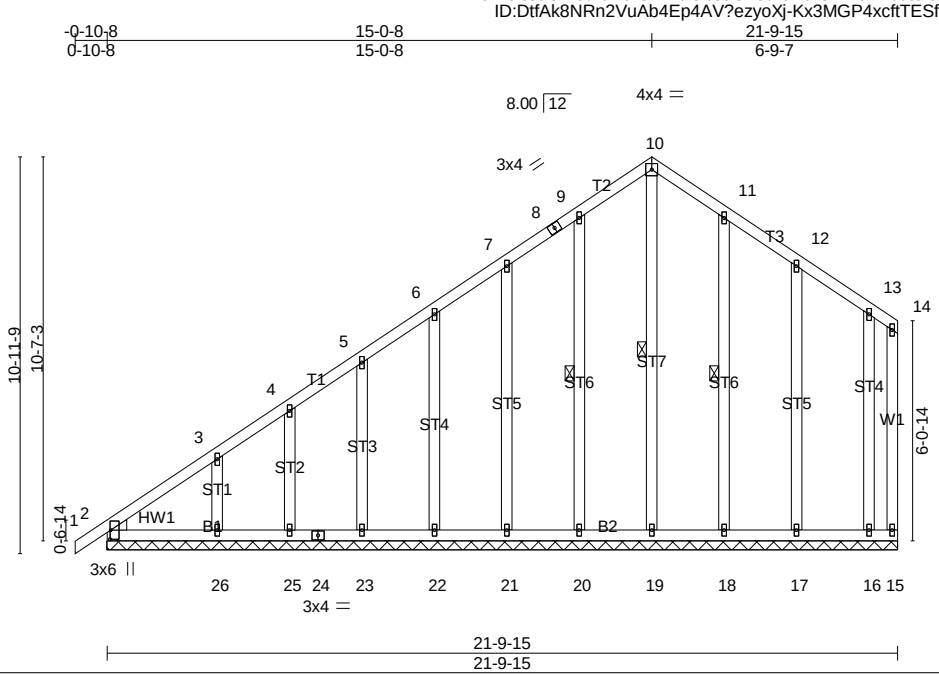


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	15	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-19, 9-20, 11-18

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

REACTIONS. All bearings 21-9-15.
(lb) - Max Horz 2=352(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15, 2, 19, 20, 21, 22, 23, 25, 26, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 15, 19, 20, 21, 22, 23, 25, 18, 17, 16 except 2=255(LC 25), 26=266(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-321/271, 3-4=-285/216, 4-5=-265/200

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; eave=2ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 2, 19, 20, 21, 22, 23, 25, 26, 18, 17, 16.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T08	Common	5	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:54 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-GKB6h55C7H7BTlpWj94GvUAl2r0KYIEljT6GvWzyoJt

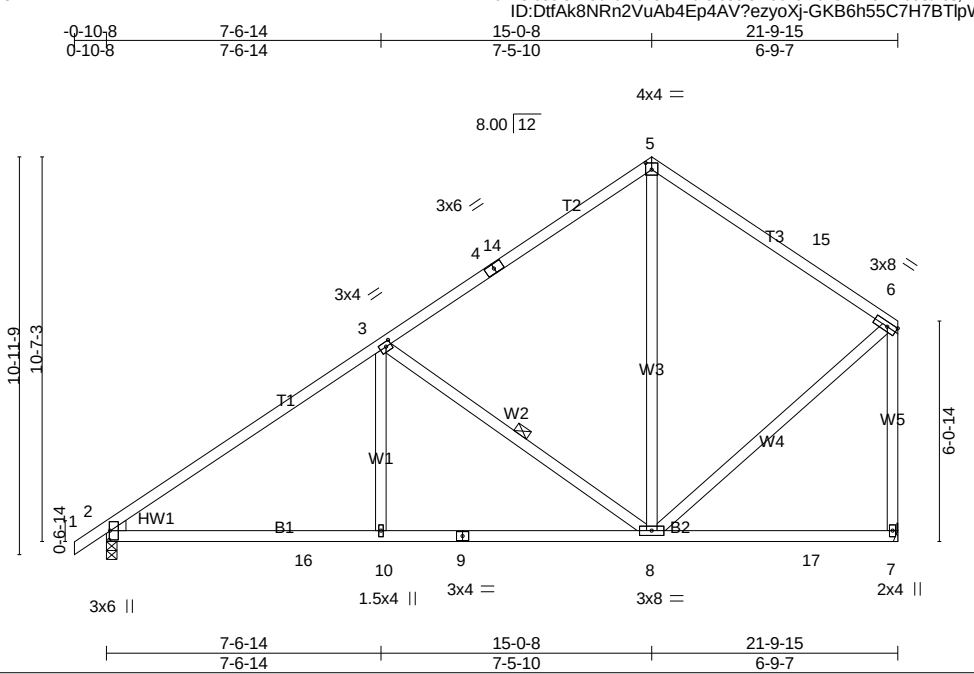


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [3:0-1-12,0-1-8], [5:0-2-0,0-2-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.08	10-13	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	10-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 5-1-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

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

REACTIONS. (lb/size) 2=813/0-3-8 (min. 0-1-10), 7=767/Mechanical
Max Horz 2=353(LC 11)
Max Uplift2=-114(LC 12), 7=-90(LC 12)
Max Grav 2=1047(LC 24), 7=1015(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1288/145, 3-4=-705/130, 4-14=-610/148, 5-14=-595/175, 5-15=-580/174, 6-15=-662/147, 6-7=-886/126
BOT CHORD 2-16=-144/1158, 10-16=-144/1158, 9-10=-144/1158, 8-9=-144/1158
WEBS 3-10=0/347, 3-8=-764/176, 5-8=-34/302, 6-8=-27/667

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=114.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T09	Common	1	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:04:55 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-kWlVuR6quaF25vNjGsbVShj0nFN?HnvRy7spRyzyoJs

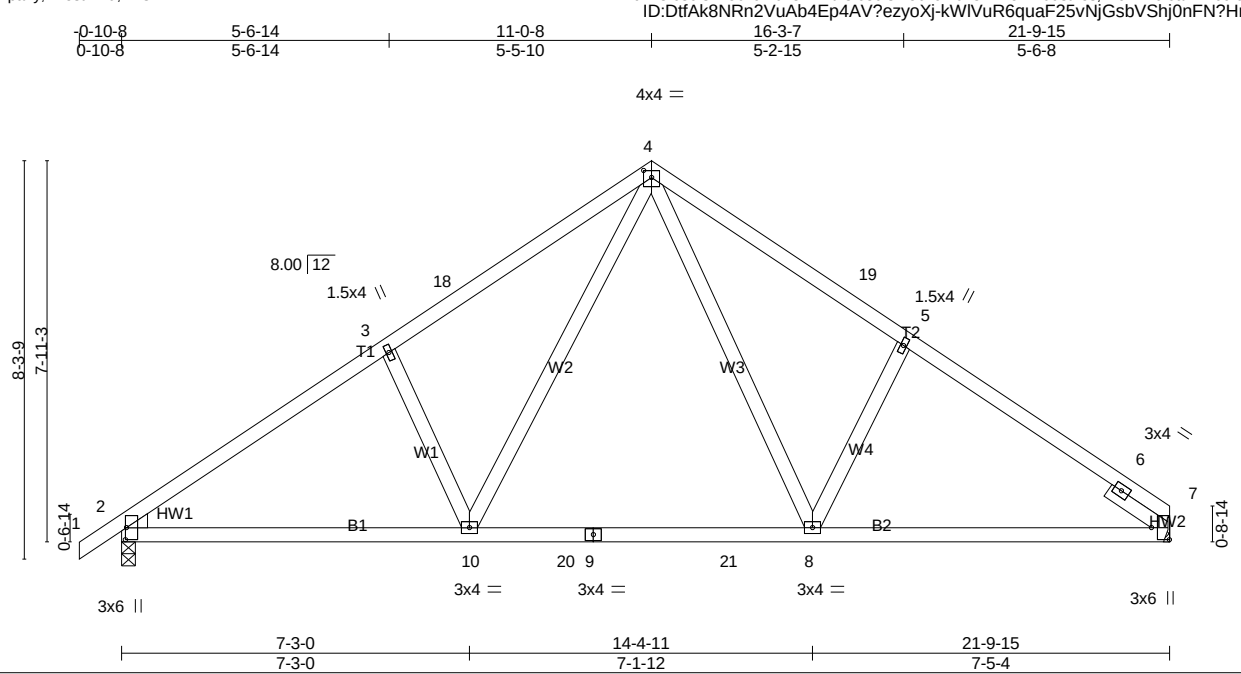


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-2-0,0-1-12], [7:Edge,0-4-8]

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	0.41	Vert(LL)	-0.10	8-10	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.16	8-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 113 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Sheathed or 5-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 7=772/Mechanical, 2=818/0-3-8 (min. 0-1-10)
Max Horz 2=192(LC 11)
Max Uplift7=-86(LC 12), 2=-119(LC 12)
Max Grav 7=989(LC 25), 2=1042(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1340/158, 3-18=-1257/190, 4-18=-1173/223, 4-19=-1112/216, 5-19=-1192/184, 5-6=-1275/158, 6-7=-552/0
BOT CHORD 2-10=-63/1184, 10-20=0/764, 9-20=0/764, 9-21=0/764, 8-21=0/764, 7-8=-58/1003
WEBS 3-10=-323/165, 4-10=-75/649, 4-8=-65/594, 5-8=-292/159

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=119.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T10	Piggyback Base	19	1	Job Reference (optional)

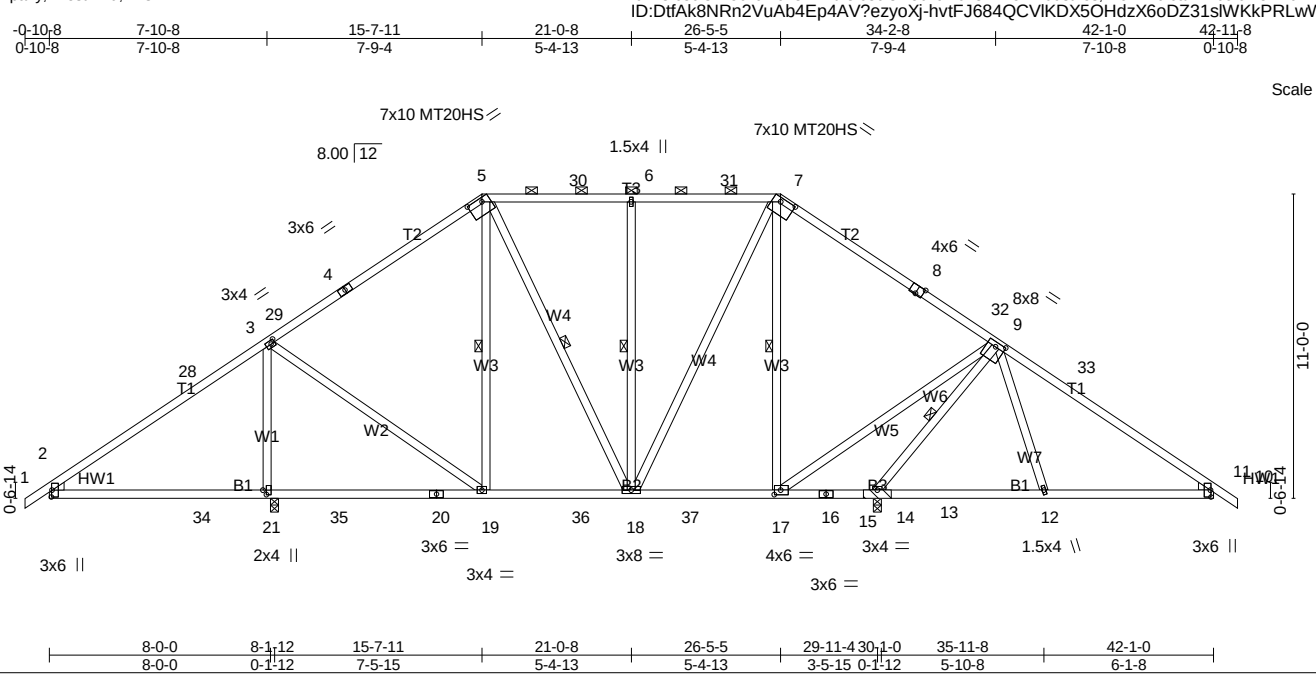


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [3:0-1-12,0-1-8], [5:0-6-8,0-1-12], [7:0-6-8,0-1-12], [8:0-3-0,Edge], [9:0-4-0,0-2-0], [10:0-3-0,0-0-4], [17:0-2-12,0-2-0], [21:0-2-0,0-1-8]

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	0.96	Vert(LL)	-0.07	17-18	>999	240	MT20	244/190
Snow (Pf/Pg)	20.4/20.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.13	17-18	>999	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.02	14	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 275 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 4-0-3 oc bracing: 14-17.
WEBS 1 Row at midpt 5-19, 5-18, 6-18, 7-17, 9-14

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

REACTIONS. (lb/size) 21=1270/0-3-8 (min. 0-2-11), 14=1906/(0-3-8 + bearing block) (req. 0-3-12)
Max Horz 21=-304(LC 10)
Max Uplift21=-372(LC 12), 14=-206(LC 12)
Max Grav 21=1715(LC 49), 14=2398(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-28=-234/518, 3-28=-194/656, 3-29=-410/11, 4-29=-399/16, 4-5=-343/156, 5-30=-308/121, 6-30=-308/121, 6-31=-308/121, 7-31=-308/121, 7-8=-93/600, 8-32=-119/343, 9-32=-124/252, 9-33=-57/612, 10-33=-100/464
BOT CHORD 2-34=-438/280, 21-34=-438/280, 21-35=-583/280, 20-35=-583/280, 19-20=-583/280, 19-36=-134/406, 18-36=-134/406, 18-37=-392/262, 17-37=-392/262, 16-17=-2228/376, 15-16=-2228/376, 14-15=-2228/376, 13-14=-470/155, 12-13=-470/155, 10-12=-410/171
WEBS 3-21=-1329/345, 3-19=-26/718, 5-19=-276/122, 5-18=-322/83, 6-18=-577/98, 7-18=-62/813, 7-17=-1161/132, 9-17=-140/2308, 9-14=-2844/347, 9-12=-91/298

NOTES-
1) 2x4 SP No.1 bearing block 12" long at jt. 14 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=42ft; eave=5ft; 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=372, 14=206.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T11	Piggyback Base	1	1	Job Reference (optional)

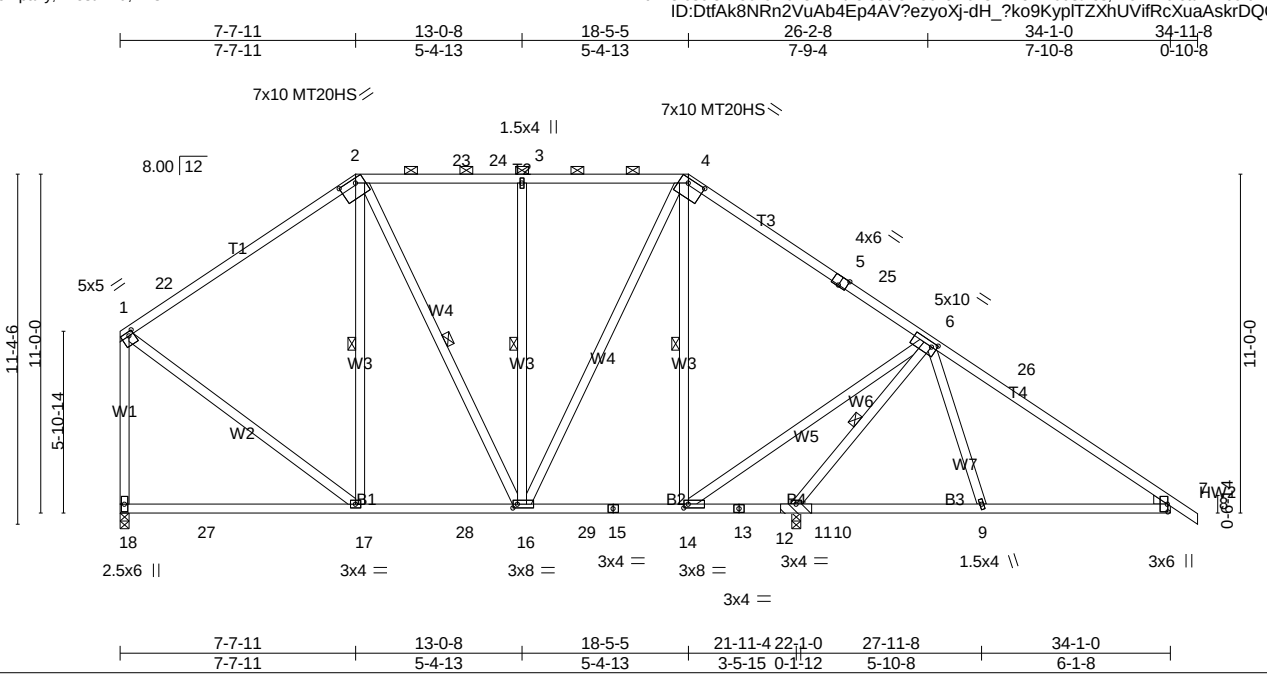


Plate Offsets (X,Y)-- [1:0-2-0,0-1-8], [2:0-6-8,0-1-12], [4:0-6-8,0-1-12], [5:0-3-0,Edge], [6:0-2-0,0-1-12], [7:0-3-0,0-0-4], [14:0-1-12,0-1-8], [16:0-1-12,0-1-8]

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	0.96	Vert(LL)	-0.11	17-18	>999	240	MT20	244/190
Snow (Pf/Pg)	20.4/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.21	17-18	>999	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	-0.01	11	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 247 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T1: 2x4 SP DSS
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W5,W1: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 3-11-0 oc bracing.
WEBS 1 Row at midpt 2-17, 2-16, 3-16, 4-14, 6-11

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

REACTIONS. (lb/size) 18=539/0-3-8 (min. 0-1-8), 11=2016/(0-3-8 + bearing block) (req. 0-3-14)
Max Horz 18=-370(LC 10)
Max Uplift18=-44(LC 12), 11=-257(LC 12)
Max Grav 18=804(LC 49), 11=2487(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-544/89, 2-22=-538/139, 2-23=-373/154, 23-24=-373/154, 3-24=-373/154, 3-4=-373/154, 4-5=-92/555, 5-25=-103/298, 6-26=-57/612, 7-26=-100/464, 1-18=-651/87
BOT CHORD 18-27=-241/309, 17-27=-241/309, 17-28=-70/532, 16-28=-70/532, 16-29=-350/245, 15-29=-350/245, 14-15=-350/245, 13-14=-2302/418, 12-13=-2302/418, 11-12=-2302/418, 10-11=-470/155, 9-10=-470/155, 7-9=-406/171
WEBS 2-16=-481/85, 3-16=-570/93, 4-16=-83/910, 4-14=-1239/171, 6-14=-211/2448, 6-11=-2960/413, 6-9=-91/297, 1-17=-43/492

NOTES-
1) 2x4 SP No.1 bearing block 12" long at jt. 11 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=34ft; 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) The Fabrication Tolerance at joint 2 = 8%
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T11	Piggyback Base	1	1	Job Reference (optional)

NOTES-

11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 11=257.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T12	Piggyback Base	1	1	Job Reference (optional)

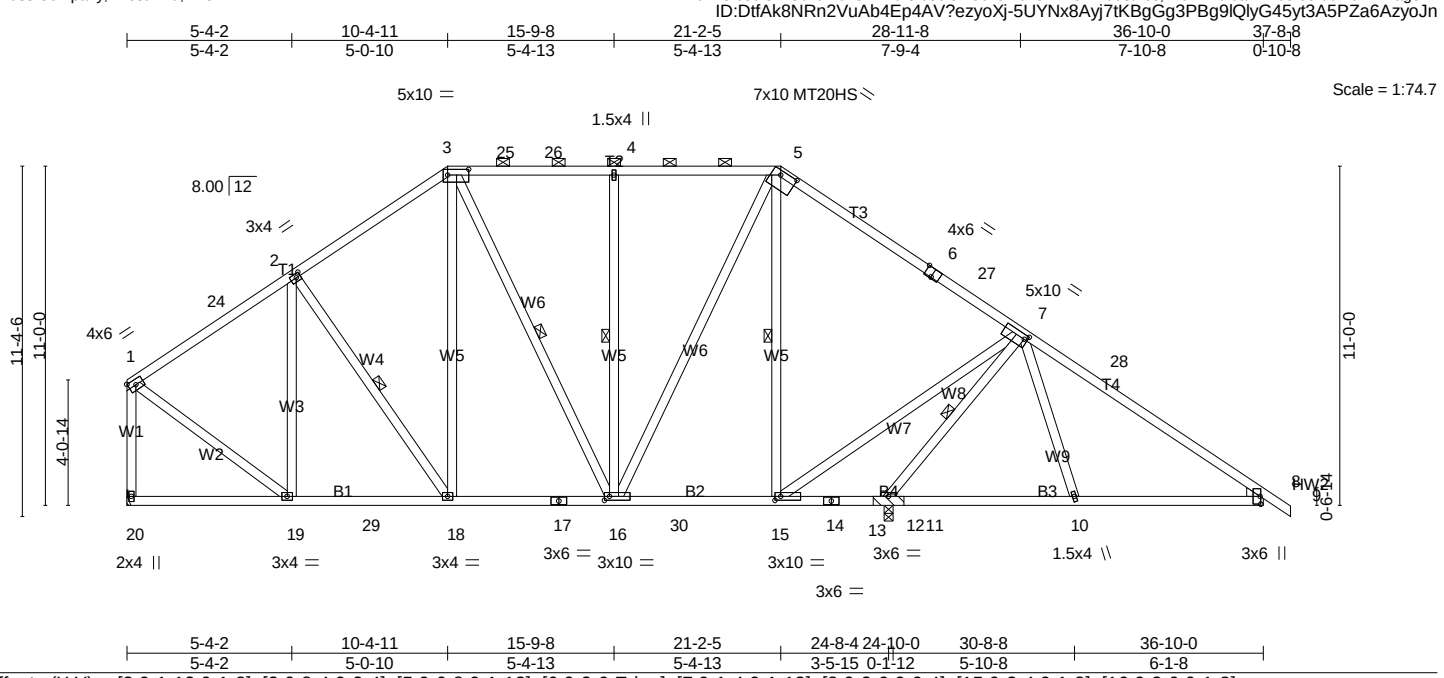


Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-8-4,0-2-4], [5:0-6-8,0-1-12], [6:0-3-0,Edge], [7:0-1-4,0-1-12], [8:0-3-0,0-0-4], [15:0-2-4,0-1-8], [16:0-2-0,0-1-8]

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	0.95	Vert(LL)	-0.08	15-16	>999	240	MT20	244/190
Snow (Pf/Pg)	20.4/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.14	15-16	>999	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	-0.01	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 272 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W7,W1: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 3-10-0 oc bracing.
WEBS 1 Row at midpt 2-18, 3-16, 4-16, 5-15, 7-12

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

REACTIONS. (lb/size) 20=662/Mechanical, 12=2088/(0-3-8 + bearing block) (req. 0-4-1)
Max Horz 20=-348(LC 10)
Max Uplift 20=-57(LC 12), 12=-265(LC 12)
Max Grav 20=1007(LC 43), 12=2597(LC 47)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-776/100, 2-24=-647/119, 2-3=-682/178, 3-25=-465/161, 25-26=-465/161, 4-26=-465/161, 4-5=-465/161, 5-6=-101/521, 6-27=-113/274, 7-28=-57/613, 8-28=-100/464, 1-20=-930/86
BOT CHORD 19-20=-259/304, 19-29=-43/729, 18-29=-43/729, 17-18=-28/650, 16-17=-28/650, 16-30=-321/243, 15-30=-321/243, 14-15=-2387/425, 13-14=-2387/425, 12-13=-2387/425, 11-12=-470/155, 10-11=-470/155, 8-10=-408/171
WEBS 2-18=-345/124, 3-18=-40/499, 3-16=-539/72, 4-16=-581/106, 5-16=-93/1035, 5-15=-1321/175, 7-15=-223/2579, 7-12=-3095/424, 7-10=-91/296, 1-19=0/659

NOTES-
1) 2x4 SP No.1 bearing block 12" long at jt. 12 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=37ft; eave=5ft; 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Refer to girder(s) for truss to truss connections.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T12	Piggyback Base	1	1	Job Reference (optional)

NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20 except (jt=lb) 12=265.
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T13	Common	6	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:05:02 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-1sg8MqCDFk72Q_Q3BqD8EAW8o4gEQwOTZj2hB2zyoJl

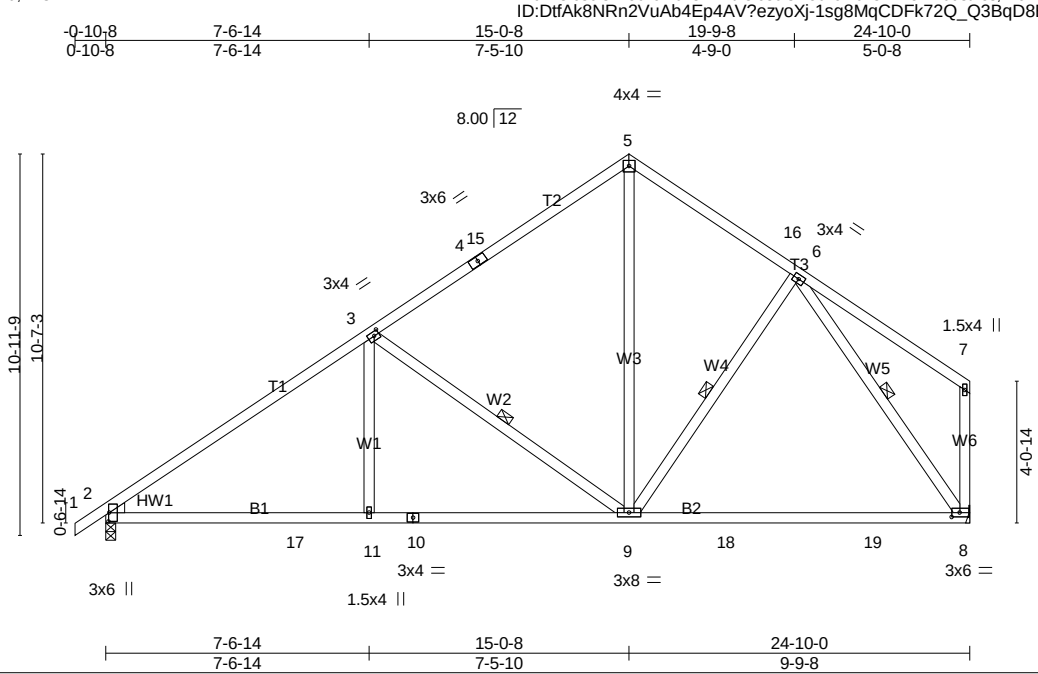


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [3:0-1-12,0-1-8], [8:0-2-12,0-1-8]

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	0.74	Vert(LL)	-0.37	8-9	>806	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.58	8-9	>511	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 4-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9, 6-9, 6-8

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

REACTIONS. (lb/size) 2=919/0-3-8 (min. 0-1-14), 8=873/Mechanical
Max Horz 2=324(LC 11)
Max Uplift2=-129(LC 12), 8=-99(LC 12)
Max Grav 2=1191(LC 24), 8=1131(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1525/173, 3-4=-955/166, 4-15=-860/168, 5-15=-840/195, 5-16=-804/212, 6-16=-902/183
BOT CHORD 2-17=-97/1360, 11-17=-97/1360, 10-11=-97/1360, 9-10=-97/1360, 9-18=-26/632, 18-19=-26/632, 8-19=-26/632
WEBS 3-11=0/302, 3-9=-731/186, 5-9=-94/636, 6-8=-1012/58

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=25ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=129.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T15	Piggyback Base	1	1	Job Reference (optional)

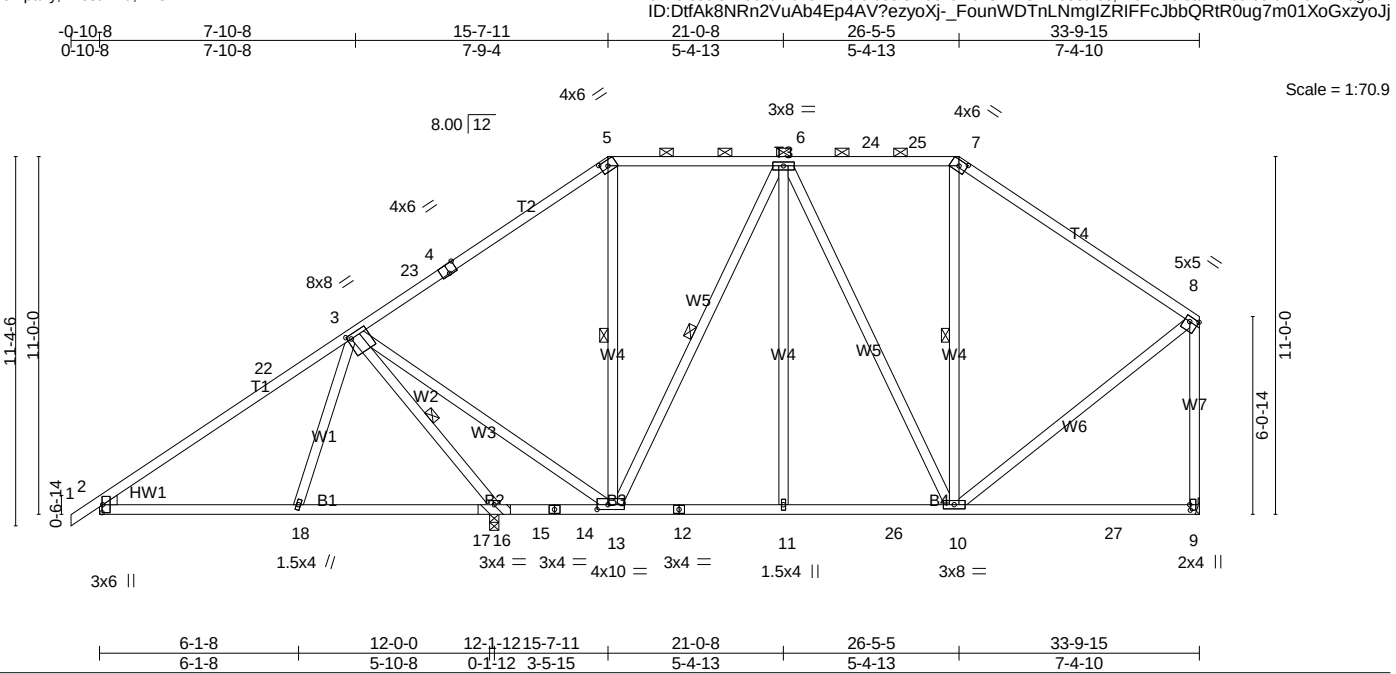


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [3:0-1-8,0-1-8], [4:0-3-0,Edge], [5:0-2-12,0-2-0], [7:0-2-12,0-2-0], [8:Edge,0-1-12], [9:0-2-0,0-0-4], [13:0-4-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.10	9-10	>999	240	MT20	244/190
Snow (Pf/Pg)	20.4/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.19	9-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	-0.01	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 246 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 3-11-1 oc bracing.
WEBS 1 Row at midpt 3-16, 5-13, 6-13, 7-10

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

REACTIONS. (lb/size) 16=2010/(0-3-8 + bearing block) (req. 0-3-14), 9=527/Mechanical
Max Horz 16=372(LC 11)
Max Uplift16=-619(LC 12)
Max Grav 16=2477(LC 49), 9=797(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-193/464, 3-22=-154/613, 4-23=-117/302, 4-5=-106/559, 5-6=-26/325, 6-24=-423/117, 24-25=-423/117, 7-25=-423/117, 7-8=-529/73, 8-9=-649/20
BOT CHORD 2-18=-406/248, 17-18=-470/282, 16-17=-470/282, 15-16=-2410/718, 14-15=-2410/718, 13-14=-2410/718, 12-13=-128/434, 11-12=-128/434, 11-26=-128/434, 10-26=-128/434
WEBS 3-18=-113/297, 3-16=-2938/769, 3-13=-474/2426, 5-13=-642/184, 6-13=-927/179, 6-11=0/299, 6-10=-130/441, 7-10=-349/105, 8-10=-47/490

NOTES-
1) 2x4 SP No.1 bearing block 12" long at jt. 16 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=34ft; 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=619.

Continued on page 2

NOTES-

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T16	Piggyback Base	3	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:05:05 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-SRLG?sE5YfVdHS8eszmrso8bBHnFc7NvFhHLoNzyoJi

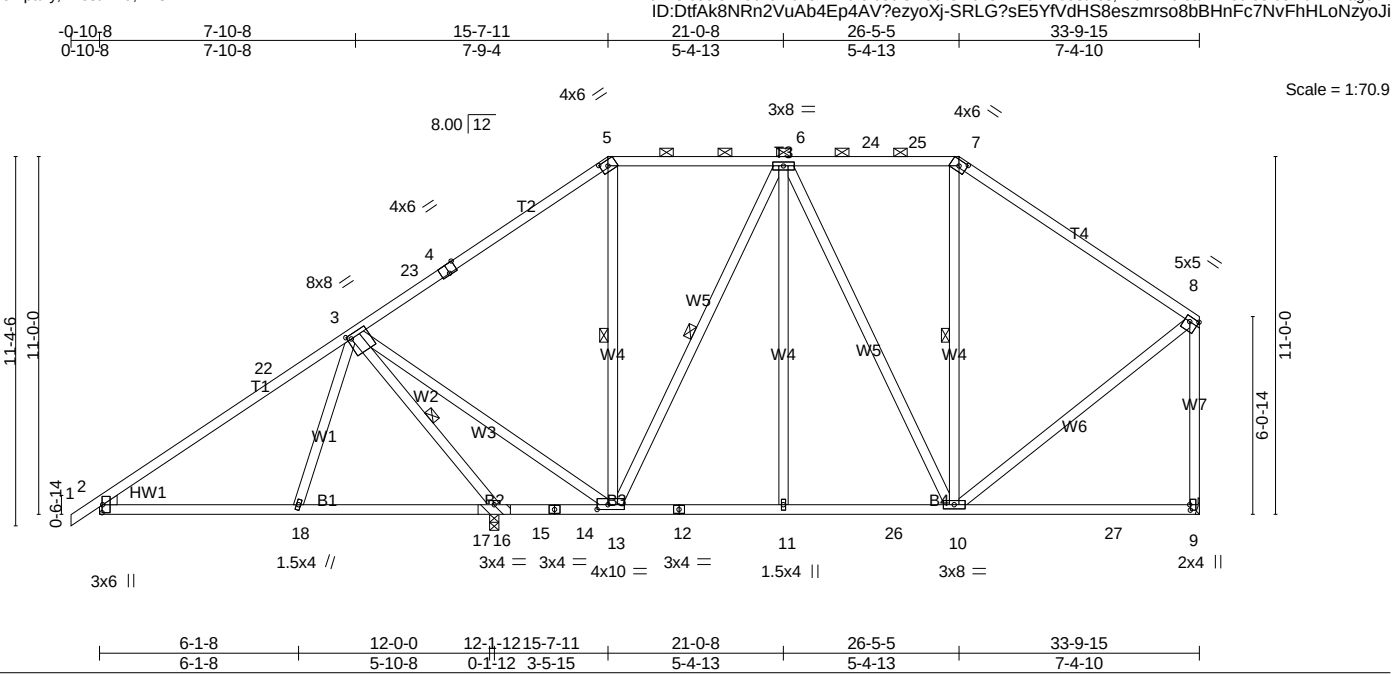


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [3:0-1-8,0-1-8], [4:0-3-0,Edge], [5:0-2-12,0-2-0], [7:0-2-12,0-2-0], [8:Edge,0-1-12], [9:0-2-0,0-0-4], [13:0-4-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.10	9-10	>999	240	MT20	244/190
Snow (Pf/Pg)	20.4/20.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.19	9-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	-0.01	9	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 246 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 3-11-1 oc bracing.
WEBS 1 Row at midpt 3-16, 5-13, 6-13, 7-10

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

REACTIONS. (lb/size) 16=2010/(0-3-8 + bearing block) (req. 0-3-14), 9=527/Mechanical
Max Horz 16=372(LC 11)
Max Uplift16=-619(LC 12)
Max Grav 16=2477(LC 49), 9=797(LC 46)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-193/464, 3-22=-154/613, 4-23=-117/302, 4-5=-106/559, 5-6=-26/325, 6-24=-423/117, 24-25=-423/117, 7-25=-423/117, 7-8=-529/73, 8-9=-649/20
BOT CHORD 2-18=-406/248, 17-18=-470/282, 16-17=-470/282, 15-16=-2410/718, 14-15=-2410/718, 13-14=-2410/718, 12-13=-128/434, 11-12=-128/434, 11-26=-128/434, 10-26=-128/434
WEBS 3-18=-113/297, 3-16=-2938/769, 3-13=-474/2426, 5-13=-642/184, 6-13=-927/179, 6-11=0/299, 6-10=-130/441, 7-10=-349/105, 8-10=-47/490

NOTES-
1) 2x4 SP No.1 bearing block 12" long at jt. 16 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=34ft; 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=619.

Continued on page 2

NOTES-

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T17	Common	4	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:05:07 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-OqT1PXFL4GmLXll0zOpKxDD905ZX4FvCi?mSsGzyoJg

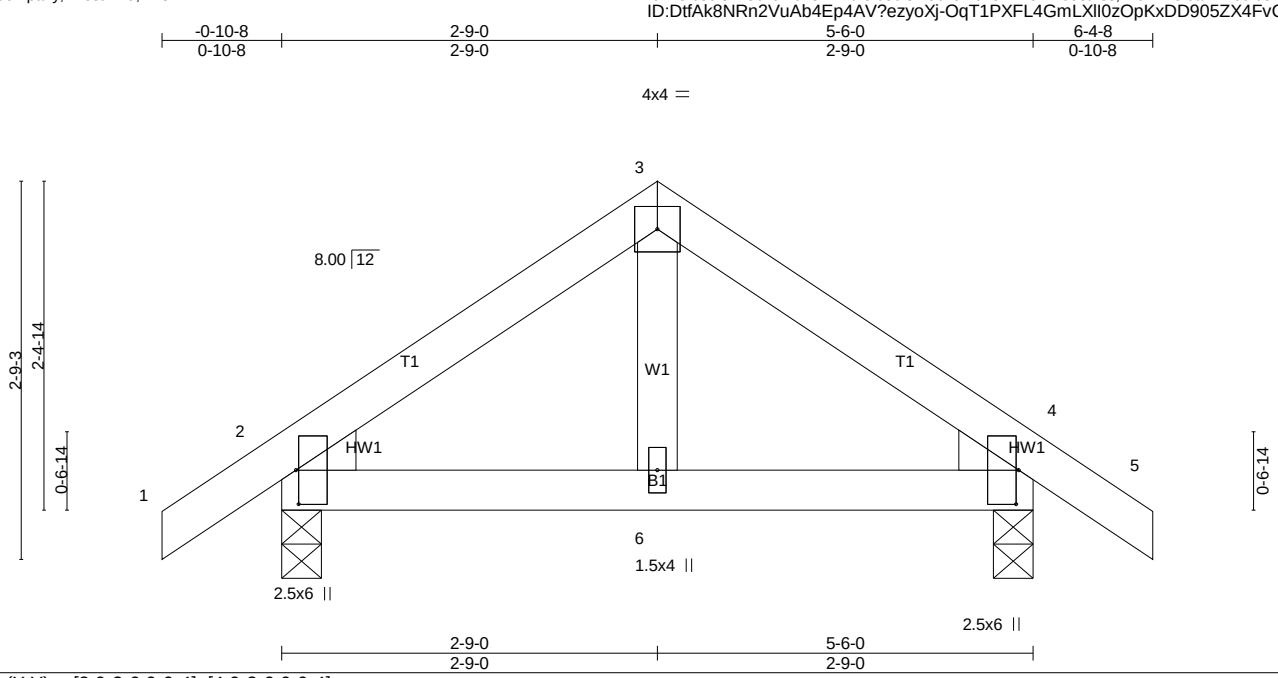


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	9	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 5-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=239/0-3-8 (min. 0-1-8), 4=239/0-3-8 (min. 0-1-8)
Max Horz 2=-61(LC 10)
Max Uplift 2=-54(LC 12), 4=-54(LC 12)
Max Grav 2=311(LC 17), 4=311(LC 18)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BERUBE
P23120611	T17	Common	4	1	Job Reference (optional)

Longleaf Truss Company, West End, N.C.

Run: 8.630 s Feb 9 2023 Print: 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Jan 4 09:11:26 2024 Page 1
ID:DtfAk8NRn2VuAb4Ep4AV?ezyoXj-oktJy7r4pjWZV?msgU6Co8PwMtwBOgj?sS30gozyoDl

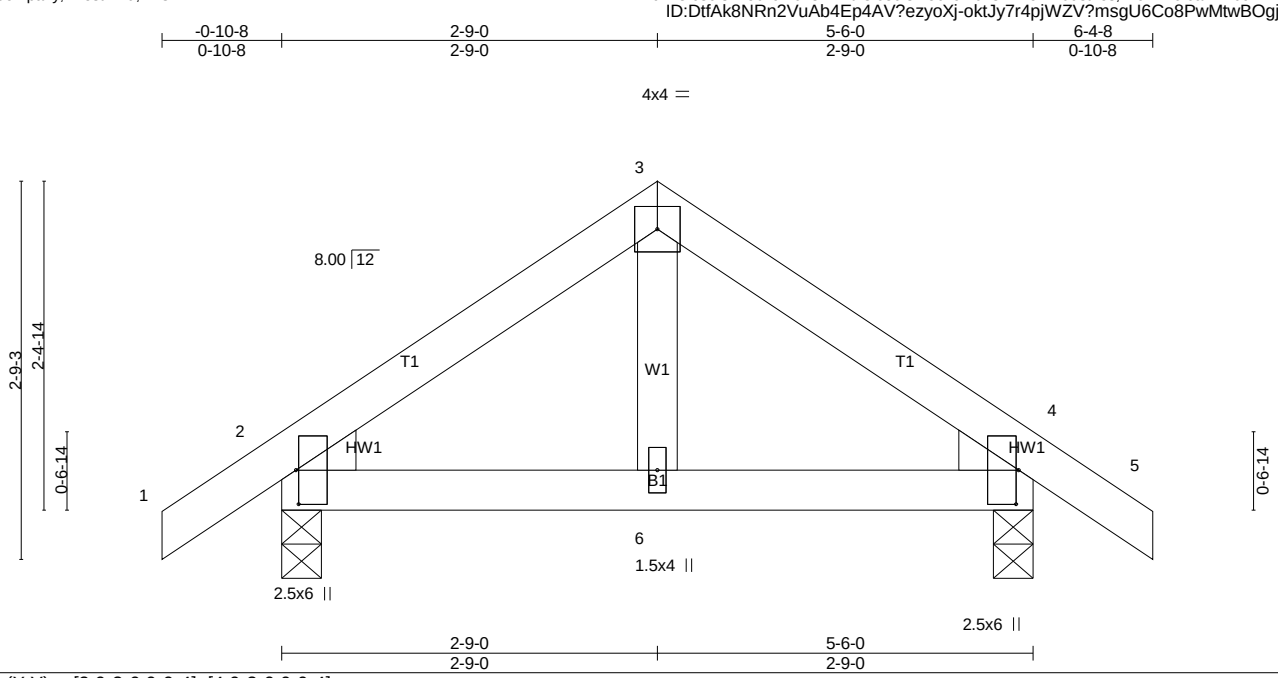


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	9	>999	240	MT20	244/190
Snow (Pf/Pg)	15.4/20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed or 5-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=239/0-3-8 (min. 0-1-8), 4=239/0-3-8 (min. 0-1-8)
Max Horz 2=-61(LC 10)
Max Uplift 2=-54(LC 12), 4=-54(LC 12)
Max Grav 2=311(LC 17), 4=311(LC 18)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; B=45ft; L=24ft; 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
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard