

HICKS RESIDENCE



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

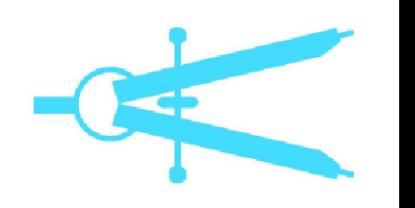
Boydston

03/08/2021

It is the responsibility of the builder to assure that all work is in accordance with the latest edition of all applicable Nation, State, and Local Building Codes. It is the responsibility of the builder to check all dimension and details for overall accuracy appropriate to the local on site conditions. The draftsman is not an architectural firm and stands no liability for structural or architectural design integrity. Every effort has been made to ensure all dimensions are correct and governmental regulations have been met. If an error or omission does occur it is the sole responsibility of the contractor to correct the error and not the responsibility of the draftsman. This plan has been prepared for the contractor and the Draftsman has no knowledge of, or is responsible for, any copy right infringement. The contractor takes sole responsibility for everything on this plan.

BUILDER CONTACT INFO	ELECTRICAL NOTES	PLUMBING NOTE	PAINTING NOTES
GENERAL NOTES	FLOORING NOTES	TRIM NOTES	DRYWALL NOTES

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Dream. Create. Live.

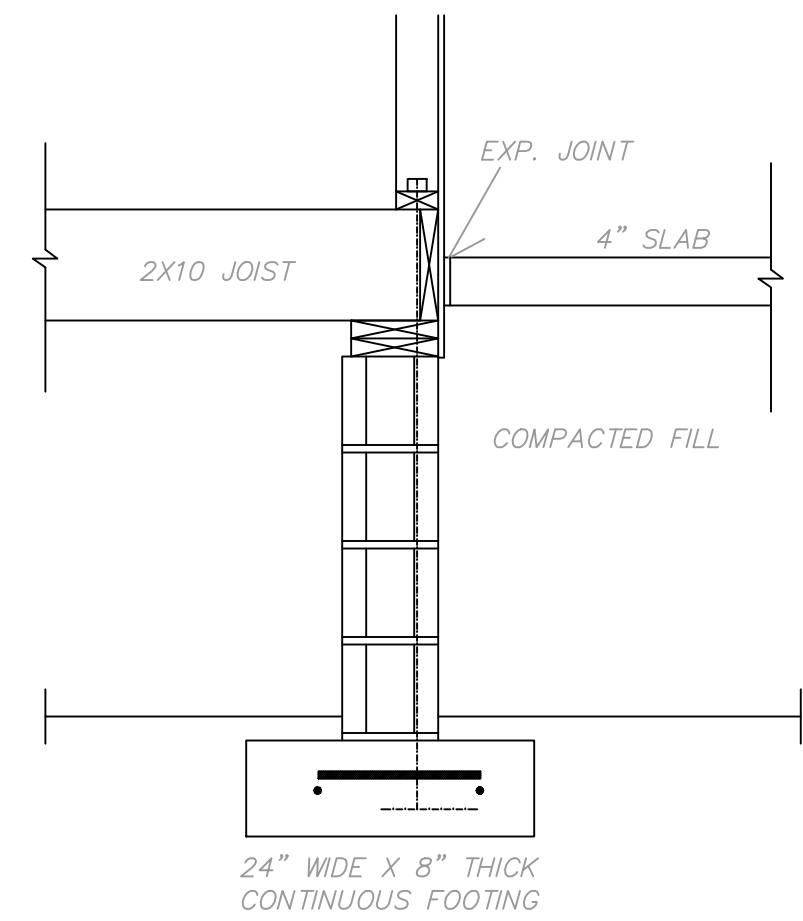


HICKS
COVER

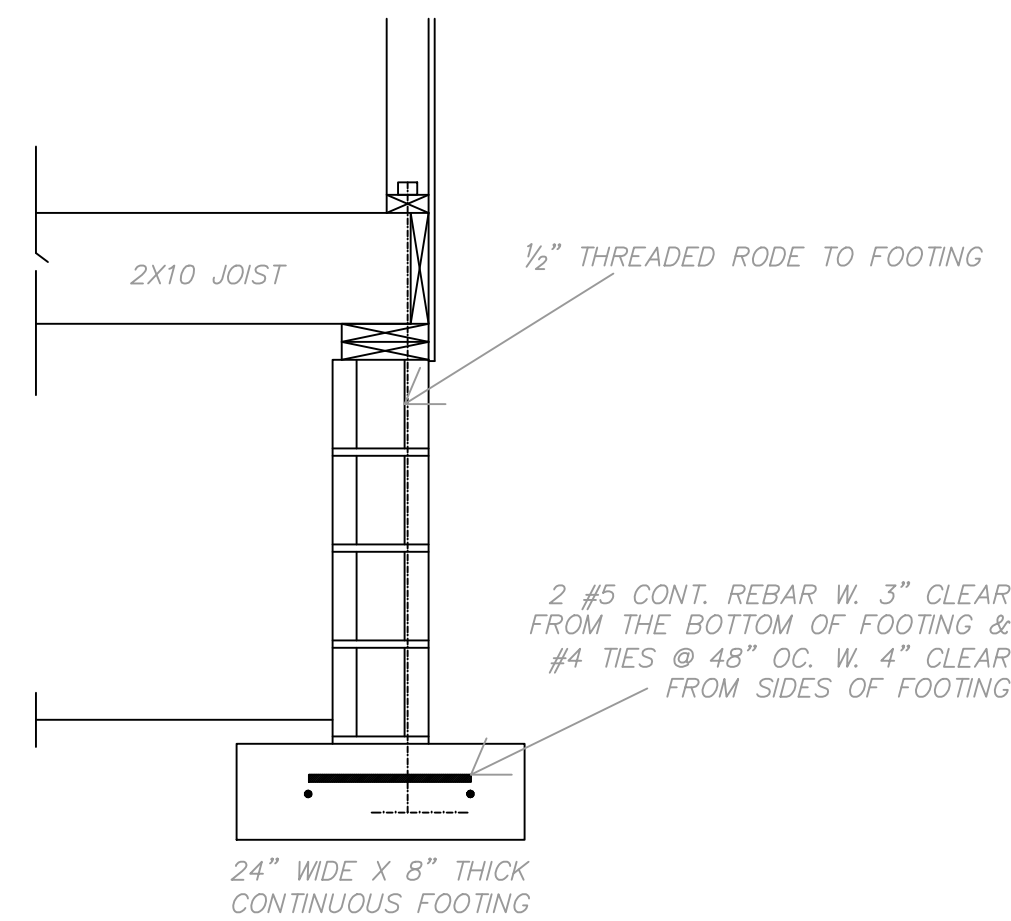
SCALE : 1/4"=1'

SEPTEMBER 24TH, 2020

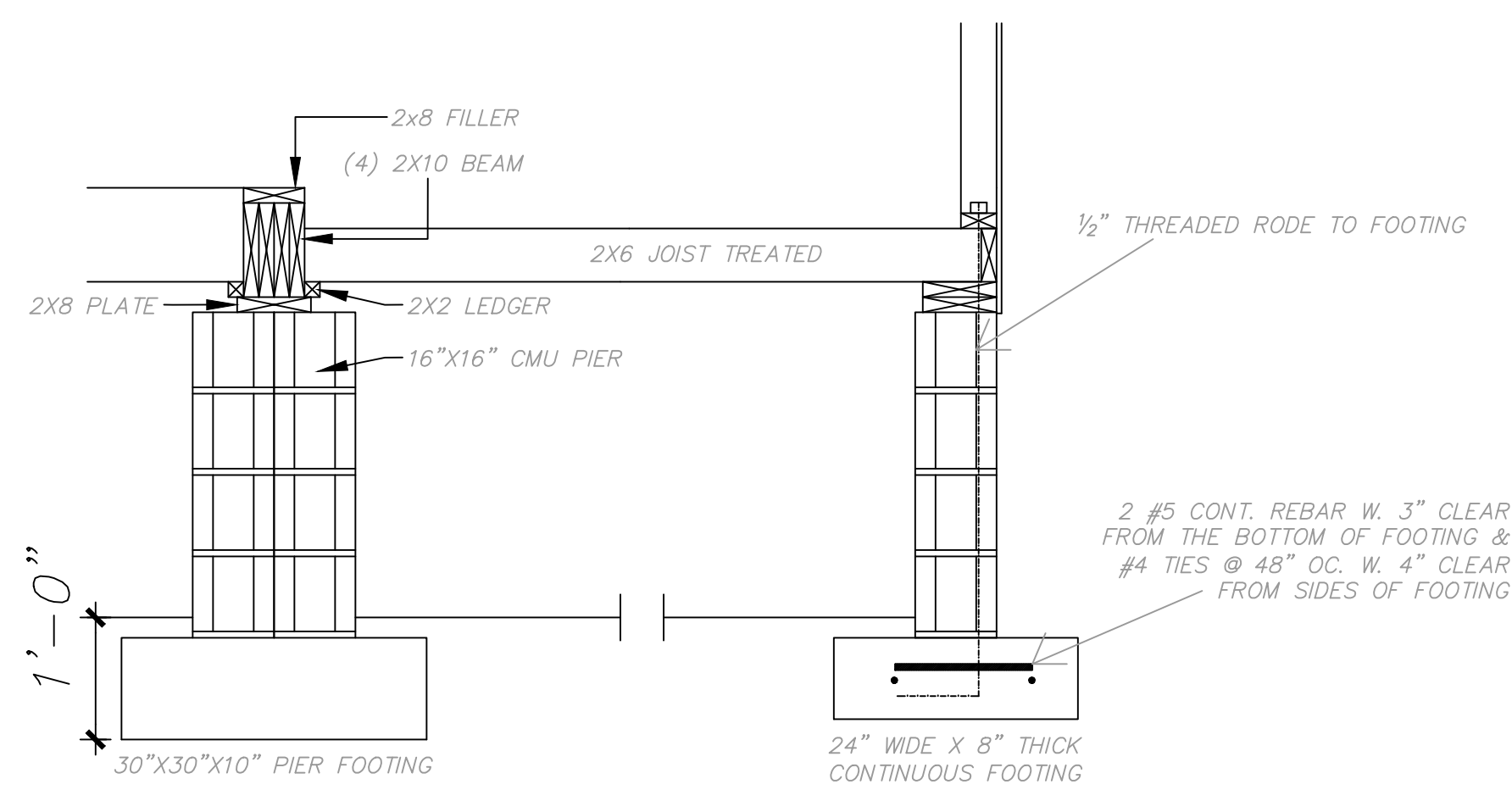
A0



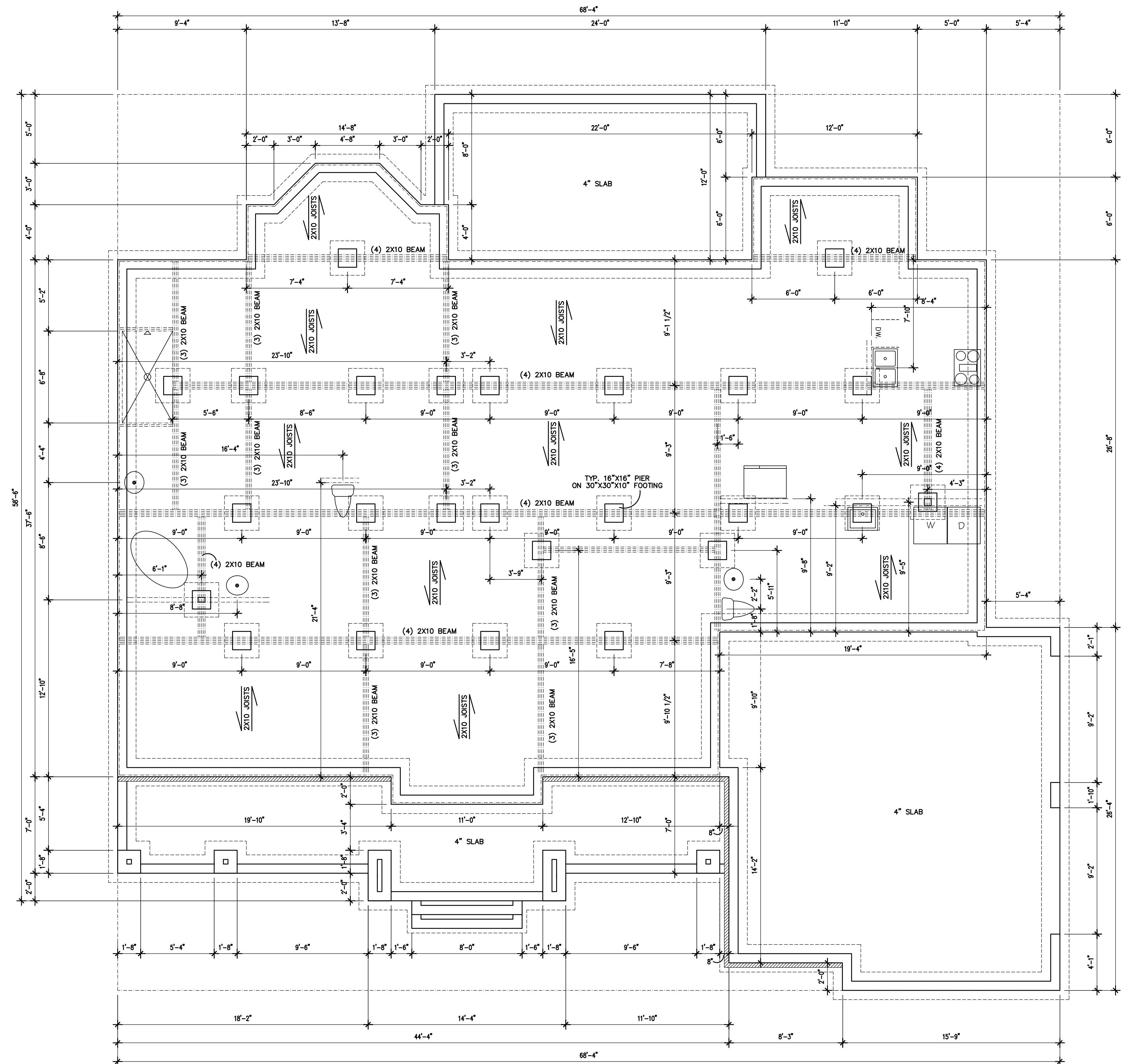
PORCH / HOUSE DETAIL
SCALE: 3/4" = 1'-0"



FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



SHOWER FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



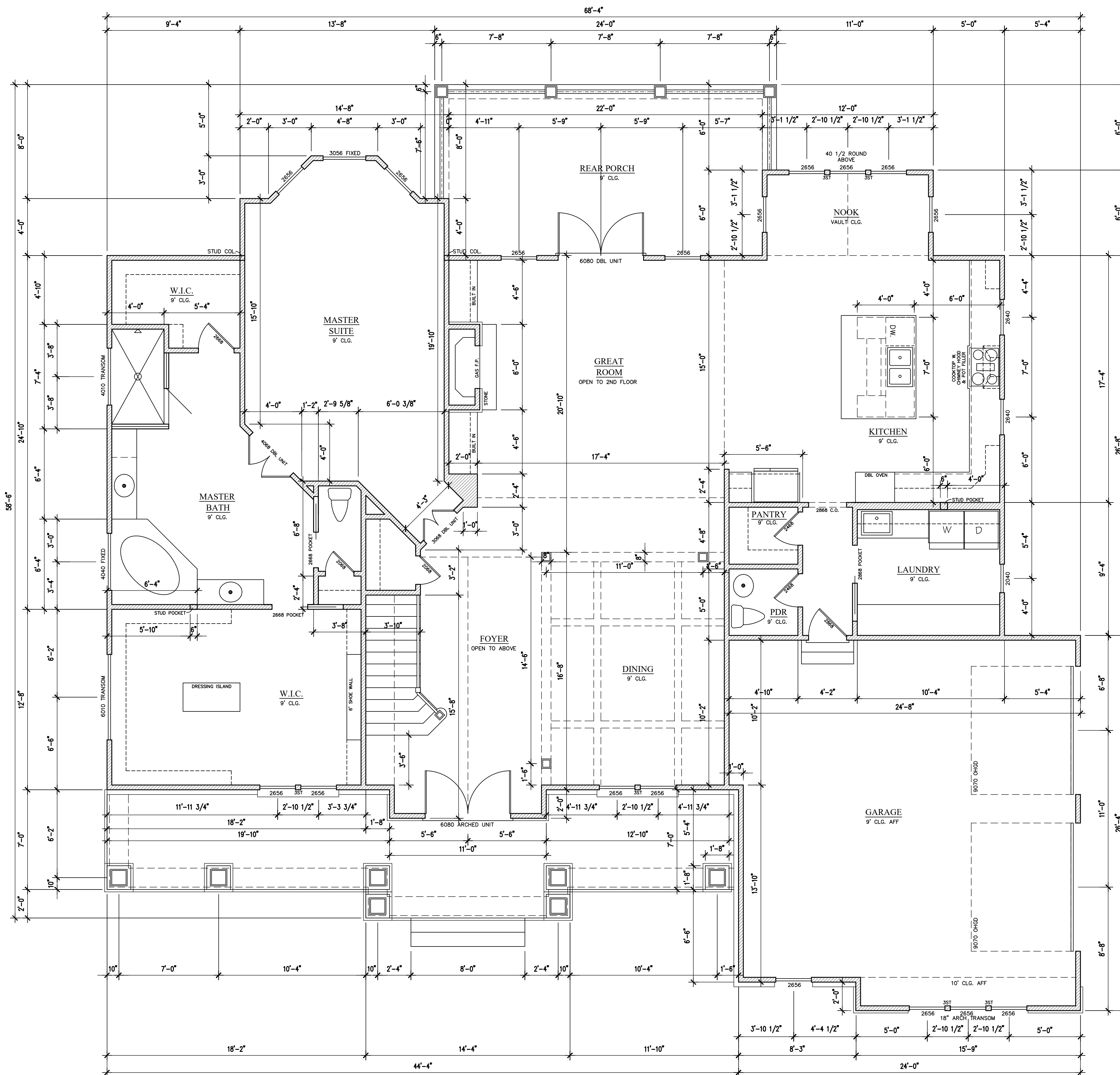
FLOOR SYSTEM TBD AFTER TRUSS DESIGNS
FOUNDATION PLAN
 1/4" = 1'-0"
 FOUNDATION HEIGHT & STEPS MAY VARY FROM PLAN BASED ON SITE CONDITIONS
 ALL INT. LOAD POINTS TBD BY TRUSS MANUFACTURER
 CUT JOINTS FROM EVERY OUTSIDE CORNER AND EVERY 12'

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HICKS
FOUNDATION

SCALE : 1/4" = 1'-0"
 SEPTEMBER 24TH, 2020

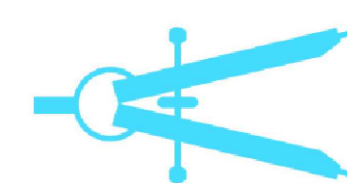


FLOOR PLAN 1/4" = 1'-0"

FIRST FLOOR	2335 sq. ft.	FRONT PORCH	522 sq. ft.
SECOND FLOOR	1050 sq. ft.	REAR PORCH	278 sq. ft.
TOTAL HEATED	3385 sq. ft.		

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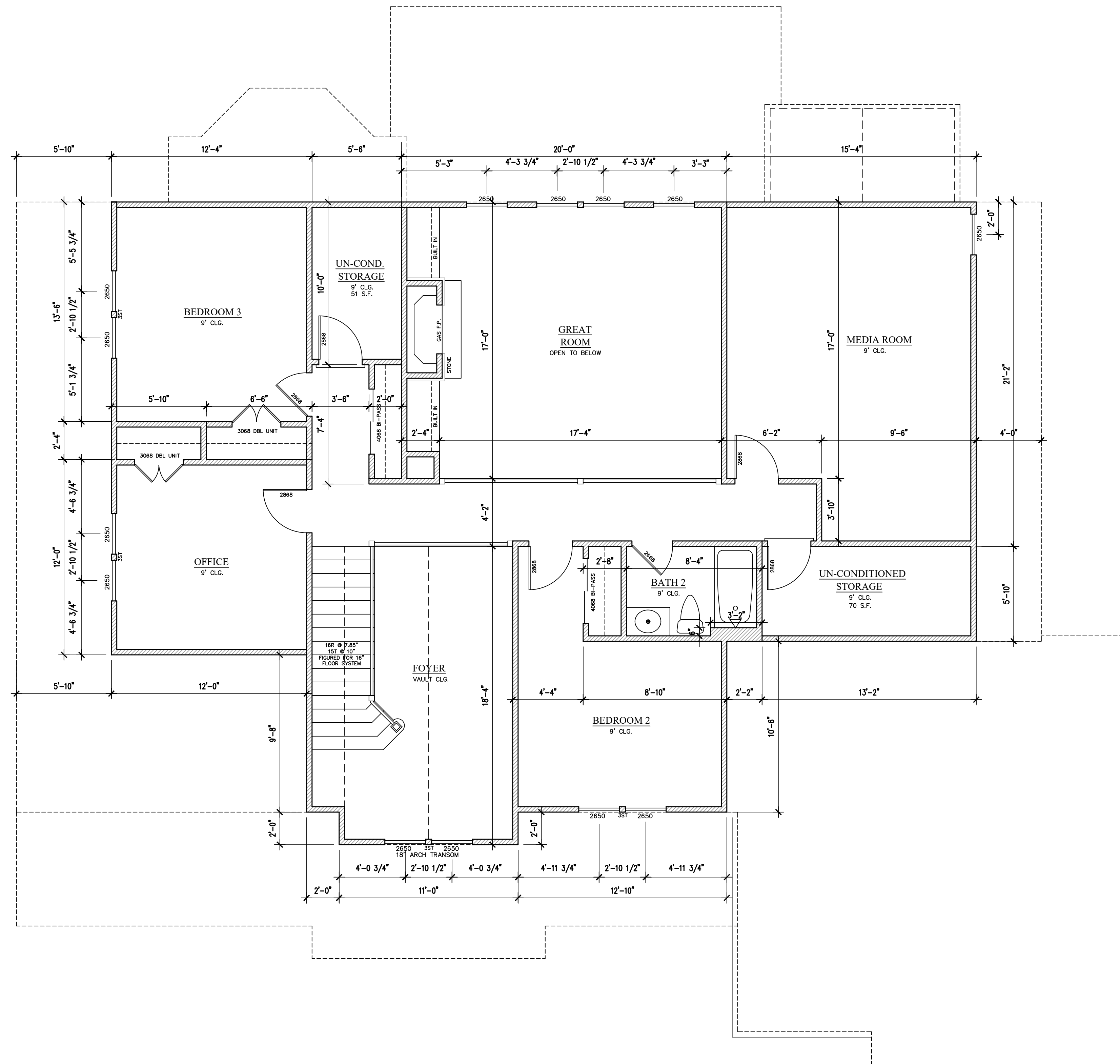


HICKS FLOOR PLAN

SCALE : 1/4" = 1'-0"

SEPTEMBER 24TH, 2020

A2



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HICKS FLOOR PLAN

SCALE : 1/4" = 1'-0"

SEPTEMBER 24TH, 2020

A3

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

FIRST FLOOR	2335 sq. ft.	FRONT PORCH	522 sq. ft.
SECOND FLOOR	1050 sq. ft.	REAR PORCH	278 sq. ft.
TOTAL HEATED	3385 sq. ft.		



FRONT ELEVATION

1/4" = 1'-0"

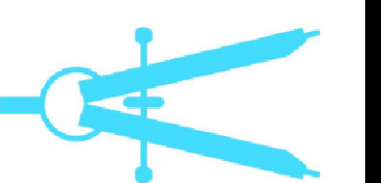


REAR ELEVATION

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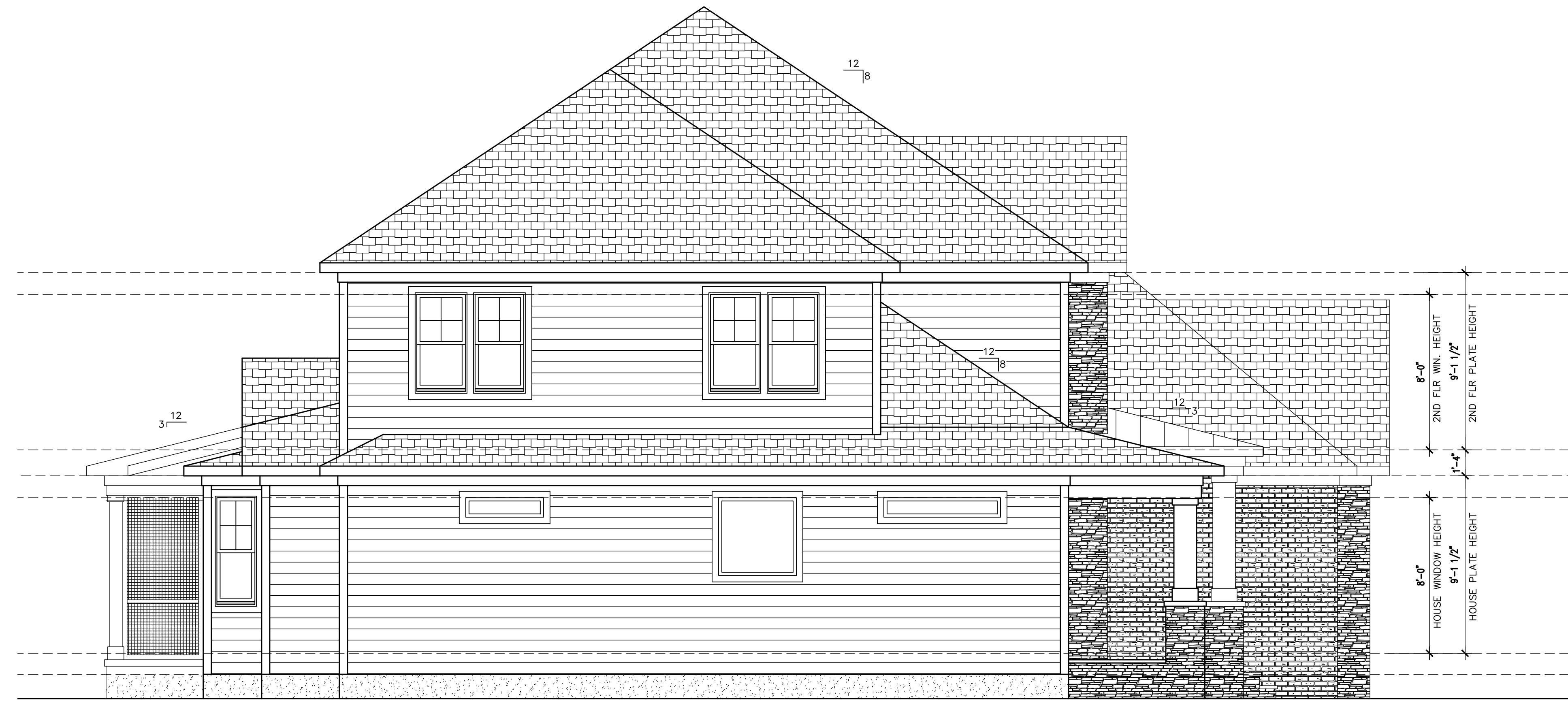
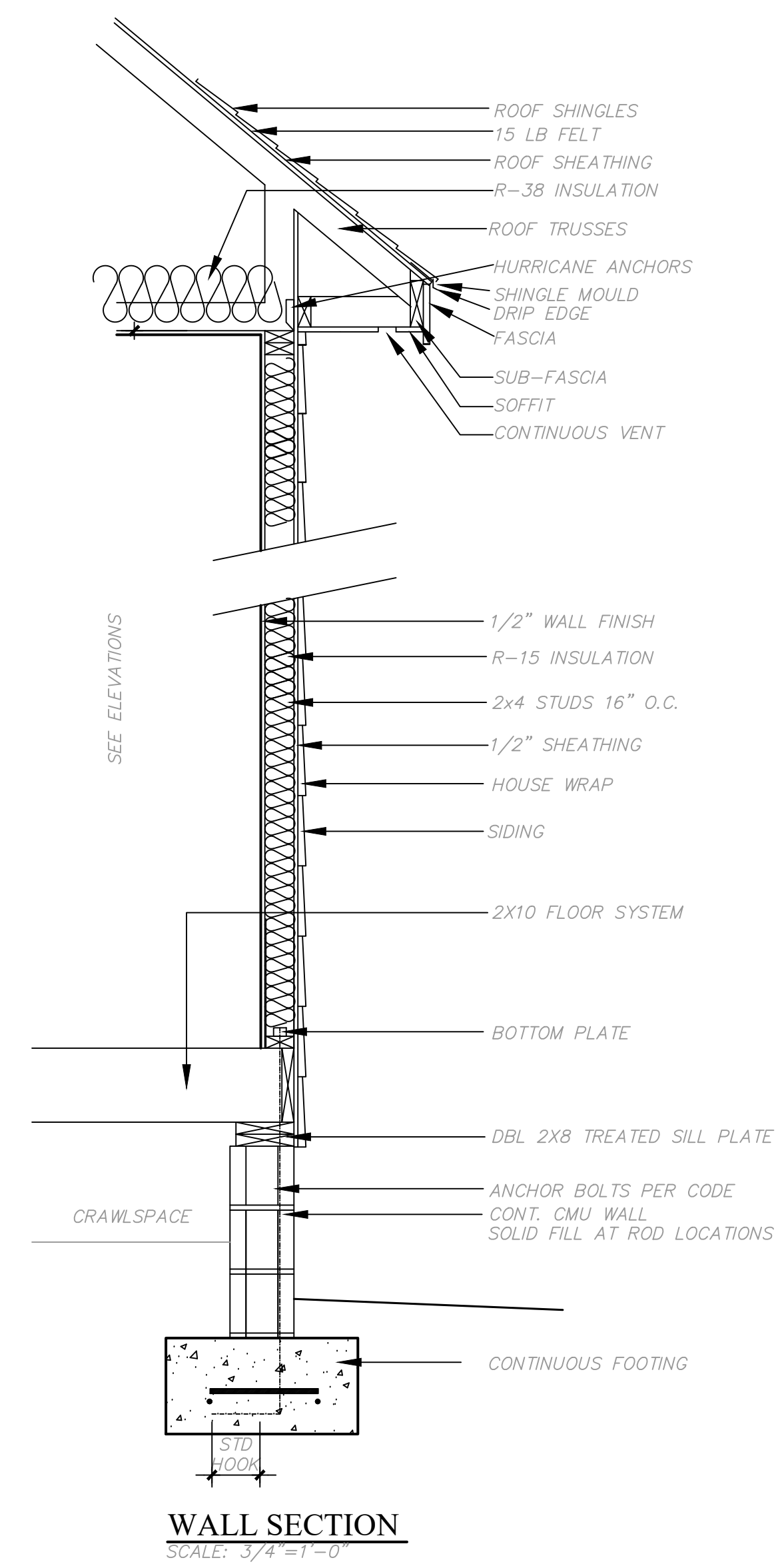


HICKS
ELEVATIONS

SCALE : 1/4"=1'

SEPTEMBER 24TH, 2020

A4



LEFT ELEVATION 1/4" = 1'-0"



RIGHT ELEVATION 1/4" = 1'-0"

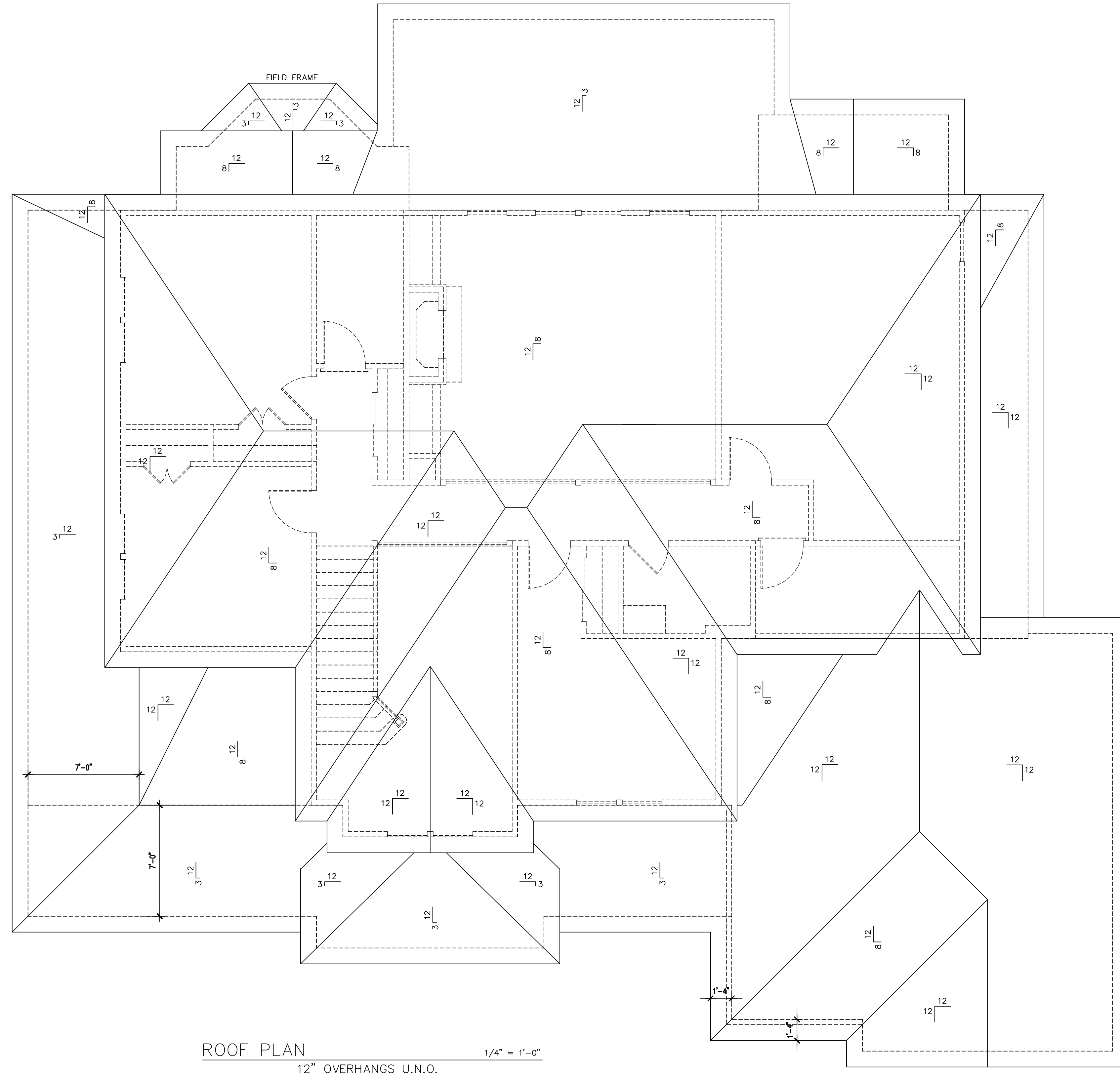
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ELEVATIONS

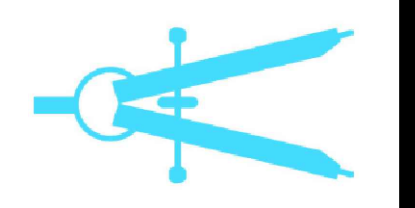
SCALE : 1/4"=1'
SEPTEMBER 24TH, 2020

A5



ROOF PLAN
 12" OVERHANGS U.N.O. 1/4" = 1'-0"

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HICKS
ROOF PLAN

SCALE : 1/4"=1'

SEPTEMBER 24TH, 2020

A6

1st Floor\Dropped Beams\GDH(i181) (Dropped Beam)

BC CALC® Member Report

Dry | 2 spans | No cant.

October 6, 2020 08:23:52

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Dropped Beams\GDH(i181)

City, State, Zip:

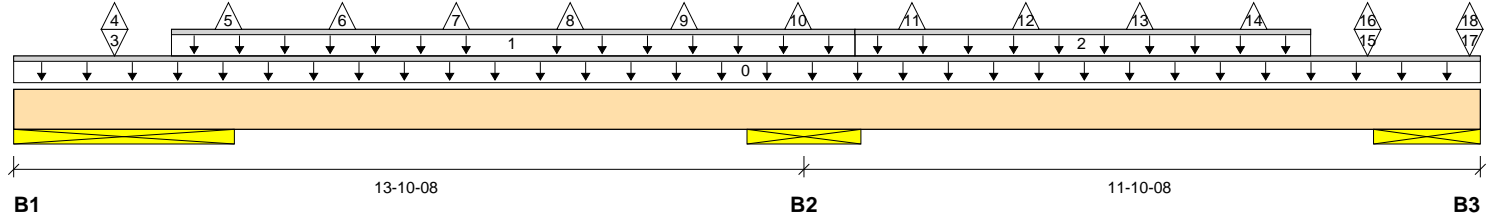
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 25-09-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 46-1/2"		1717 / 0		825 / 1155	2025 / 304
B2, 24"		3370 / 0		1563 / 2057	3836 / 364
B3, 22-1/2"		1659 / 0		712 / 860	1892 / 275

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	25-09-00	Top		12				00-00-00
1	Smoothed Load	Unf. Lin. (lb/ft)	L	02-09-04	14-09-04	Top		251			296	n/a
2	Smoothed Load	Unf. Lin. (lb/ft)	L	14-09-04	22-09-04	Top		258			304	n/a
3	DE(c1)	Conc. Pt. (lbs)	L	01-09-04	01-09-04	Top		433			540	n/a
4	DE(c1)	Conc. Pt. (lbs)	L	01-09-04	01-09-04	Top					-52	n/a
5	D(c1)	Conc. Pt. (lbs)	L	03-09-04	03-09-04	Top					-55	n/a
6	D(c2)	Conc. Pt. (lbs)	L	05-09-04	05-09-04	Top					-55	n/a
7	D(c3)	Conc. Pt. (lbs)	L	07-09-04	07-09-04	Top					-55	n/a
8	D(c4)	Conc. Pt. (lbs)	L	09-09-04	09-09-04	Top					-55	n/a
9	D(c5)	Conc. Pt. (lbs)	L	11-09-04	11-09-04	Top					-55	n/a
10	D(c6)	Conc. Pt. (lbs)	L	13-09-04	13-09-04	Top					-55	n/a
11	D1(c1)	Conc. Pt. (lbs)	L	15-09-04	15-09-04	Top					-57	n/a
12	D1(c2)	Conc. Pt. (lbs)	L	17-09-04	17-09-04	Top					-57	n/a
13	D1(c3)	Conc. Pt. (lbs)	L	19-09-04	19-09-04	Top					-57	n/a
14	D1(c4)	Conc. Pt. (lbs)	L	21-09-04	21-09-04	Top					-57	n/a
15	D1(c5)	Conc. Pt. (lbs)	L	23-09-04	23-09-04	Top		502			576	n/a
16	D1(c5)	Conc. Pt. (lbs)	L	23-09-04	23-09-04	Top					-53	n/a
17	D1(c6)	Conc. Pt. (lbs)	L	25-06-12	25-06-12	Top		425			424	n/a
18	D1(c6)	Conc. Pt. (lbs)	L	25-06-12	25-06-12	Top					-57	n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3875 ft-lbs	14.8%	125%	1	19-09-04
Neg. Moment	-4633 ft-lbs	18.0%	125%	3	12-10-08
End Shear	1542 lbs	15.6%	125%	1	04-10-06
Cont. Shear	3006 lbs	30.5%	125%	4	15-10-06
Total Load Deflection	L/999 (0.047")	n/a	n/a	1	19-09-04
Live Load Deflection	L/999 (0.036")	n/a	n/a	200	19-07-00
Total Neg. Defl.	L/999 (-0.001")	n/a	n/a	4	12-10-08
Max Defl.	0.047"	n/a	n/a	1	19-09-04
Span / Depth	10.2				
Conc. Load (B1)	1095 lbs	11.9%	100%		
Conc. Load (B2)	1095 lbs	11.9%	100%		
Conc. Load (B3)	849 lbs	9.2%	100%		

1st Floor\Dropped Beams\GDH(i181) (Dropped Beam)

BC CALC® Member Report

Dry | 2 spans | No cant.

October 6, 2020 08:23:52

Build 7493

Job name:

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City, State, Zip:

Specifier:

Customer:

Designer:

Code reports: ESR-1040

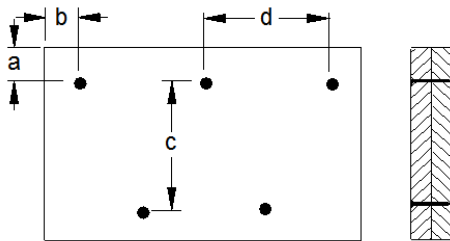
Company:

Bearing Supports	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 46-1/2" x 3-1/2"	3668 lbs	3.1%	3.0%	Unspecified
B2	Wall/Plate 24" x 3-1/2"	7164 lbs	11.8%	11.4%	Unspecified
B3	Wall/Plate 22-1/2" x 3-1/2"	3444 lbs	6.0%	5.8%	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume unbraced length of Top: 01-10-08, Bottom: 01-10-08.
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 7-7/8"
 b minimum = 3" d = 24"

Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,



JOB NAME Hicks Residence - Milltown

TRANSACTION # 2000811

STATUS Quote

BUILDER

MODEL

QUOTE DATE

SOLD TO 2307- 84 Fayetteville
620 Belt Drive
Fayetteville North Carolina 28301

SHIP TO

Fayetteville NC

SALES REP J.P. Lilliston
(910) 339-6330

CONTACT

84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

Component Item - Roof Trusses

DIAGRAM	QTY		LABEL	(Shipping)	Base Span		OVERHANG		CANTILEVER		STUB	
	PLY	PITCH		HEIGHT	SPAN	LUMBER	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	1 2-ply	8 /12	AH	10-05-03	37-06-00	2 x 4 2 x 6	10-08		-	-	-	-
	1	8 /12	AHA	10-05-03	37-06-00	2 x 4	10-08		-	-	-	-
	1 2-ply	8 /12	AHA1	10-01-11	37-06-00	2 x 4 2 x 6	10-08	10-08	-	-	-	-
	1	8 /12	AHA2	10-01-11	37-06-00	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	AHA3	10-01-11	37-06-00	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	AHA4	11-05-06	37-06-00	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	AHA5	11-05-06	37-06-00	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	AHB	10-05-03	37-06-00	2 x 4	10-08		-	-	-	-
	1	8 /12	AHC	11-05-06	37-06-00	2 x 4	10-08		-	-	-	-
	1	8 /12	AHD	11-05-06	37-06-00	2 x 4	10-08		-	-	-	-
	1	8 /12	B	10-05-03	27-10-00	2 x 4	10-08	10-08	-	-	-	-
	2	8 /12	B1	10-05-03	27-10-00	2 x 4	10-08		-	-	-	-
	1 2-ply	8 /12	BH	5-05-06	27-10-00	2 x 4 2 x 6	10-08	10-08	-	-	-	-
	1	8 /12	BH1	7-05-06	27-10-00	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	BH2	9-05-06	27-10-00	2 x 4	10-08	10-08	-	-	-	-
	3	8 /12	C	10-01-11	26-11-08	2 x 4	10-08	10-08	-	-	-	-
	2	8 /12	C1	10-01-11	26-11-08	2 x 4	10-08		-	-	-	-
	1 2-ply	8 /12	CH	5-05-06	26-11-08	2 x 4 2 x 6	10-08		-	-	-	-
	1	8 /12	CH1	7-05-06	26-11-08	2 x 4	10-08	10-08	-	-	-	-
	1	8 /12	CH2	9-05-06	26-11-08	2 x 4	10-08	10-08	-	-	-	-
	3	2.12 /12	CJ1	1-08-05	5-06-06	2 x 4	1-02-14		11-04	-	-	-
	6	12 /12	D	10-07-00	24-00-00	2 x 4	1-02-08	1-02-08	-	-	-	-



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	PLY	PITCH		HEIGHT	SPAN		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	6	12 /12	D1	10-07-00	24-08-00	2 x 4	3-08	1-02-08	-	-	-	-
	1	12 /12	DE	10-07-00	24-00-00	2 x 4	1-02-08	1-02-08	-	-	-	-
	1	12 /12	EE	9-06-15	15-09-00	2 x 4	1-02-08	1-02-08	-	-	-	-
	1	12 /12	GE	6-11-06	11-00-00	2 x 4	10-08	10-08	-	-	-	-
	1 3-ply	12 /12	GR1	6-11-06	11-00-00	2 x 4 2 x 6			-	-	-	-
	2	8 /12	H	5-00-15	12-00-00	2 x 4		10-08	-	-	-	-
	1	8 /12	HE	5-00-15	12-00-00	2 x 4		10-08	-	-	-	-
	7	3 /12	J1	1-08-09	4-00-00	2 x 4	10-08		8-08	-	-	-
	1	8 /12	J2	2-04-15	2-00-00	2 x 4	10-08		-	-	-	-
	6	3 /12	J3	1-02-05	1-10-15	2 x 4	10-08		8-08	-	-	-
	17	12 /12	J5	5-05-06	4-00-00	2 x 4	10-08		-	-	-	-
	6	12 /12	J5A	5-01-14	4-00-00	2 x 4	10-08		-	-	-	-
	6	12 /12	J5B	3-09-14	4-00-00	2 x 4	10-08		-	-	-	-
	6	12 /12	J5C	2-05-14	4-00-00	2 x 4	10-08		-	-	-	-
	1 2-ply	12 /12	J5GR	5-05-06	4-00-00	2 x 4 2 x 6			-	-	-	-
	1 2-ply	12 /12	J5GR1	5-05-06	4-00-00	2 x 4 2 x 6			-	-	-	-
	1	8 /12	J6	2-05-14	2-00-00	2 x 4			-	-	-	-
	4	8 /12	J7	2-05-14	2-00-00	2 x 4	10-08		-	-	-	-
	1	6.66 /12	J8	2-05-00	2-03-14	2 x 4	1-00-00		5-13	-	-	-
	4	6.66 /12	J9	2-05-00	1-08-15	2 x 4	1-07-09		0-09	-	-	-
	1	8 /12	J10	2-05-14	2-00-00	2 x 4			-	-	-	-
	1	6.66 /12	J11	2-06-00	1-10-11	2 x 4	1-07-09		0-09	0-00	-	-



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	PLY	PITCH		HEIGHT	SPAN	LUMBER	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	1	8 /12	K	5-11-10	14-08-00	2 x 4	10-08		-	-	-	-
	1	8 /12	KGR	5-11-10	14-08-00	2 x 4 2 x 6	10-08		-	-	-	-
	1	3 /12	LH	1-08-09	14-04-00	2 x 4 2 x 6	10-08	10-08	8-08	8-08	-	-
	1	3 /12	LH1	2-02-09	14-04-00	2 x 4 2 x 6	10-08	10-08	8-08	8-08	-	-
	6	3 /12	M1	2-06-07	7-03-08	2 x 4	10-08		8-08	-	-	-
	1	3 /12	M1A	2-02-09	7-03-08	2 x 4	10-08		8-08	-	-	-
	1	3 /12	M1B	1-08-09	7-03-08	2 x 4 2 x 6	10-08		8-08	-	-	-
	6	3 /12	M2	2-05-09	7-00-00	2 x 4	10-08		8-08	-	-	-
	14	3 /12	M3	2-02-01	5-10-00	2 x 4	10-08		-	-	-	-
	1	3 /12	M3A	8-05-09	17-10-08	2 x 4 2 x 6	10-08		-	-	-	-
	1	3 /12	M3B	7-01-09	17-10-08	2 x 4 2 x 6	10-08		-	-	-	-
	1	3 /12	M3C	5-09-09	17-10-08	2 x 4 2 x 6	10-08		-	-	-	-
	1	3 /12	M3D	4-05-09	17-10-08	2 x 4 2 x 6	10-08		-	-	-	-
	1	3 /12	M3E	3-01-09	17-10-08	2 x 4 2 x 6	10-08		-	-	-	-
	11	3 /12	M4	3-08-09	12-00-00	2 x 4 2 x 6	10-08		4-08	-	-	-
	1	3 /12	M4E	2-08-09	8-00-00	2 x 4	10-08		-	-	-	-
	1	3 /12	M4E1	2-02-09	6-00-00	2 x 4	10-08		-	-	-	-
	10	12 /12	M7	5-04-07	4-00-00	2 x 4	10-08		-	-	-	-
	1	12 /12	M7A	5-00-15	4-00-00	2 x 4	10-08		-	-	-	-
	1	12 /12	M7B	3-08-15	4-00-00	2 x 4	10-08		-	-	-	-
	1	12 /12	M7C	2-04-15	4-00-00	2 x 4	10-08		-	-	-	-
	1	12 /12	M8	11-00-07	9-04-00	2 x 4	1-02-08		-	-	-	-



JOB NAME Hicks Residence - Milltown

TRANSACTION # 2000811

STATUS Quote

BUILDER

MODEL

QUOTE DATE

SOLD TO 2307- 84 Fayetteville
620 Belt Drive
Fayetteville North Carolina 28301

SHIP TO

Fayetteville NC

SALES REP J.P. Lilliston
(910) 339-6330

CONTACT

84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

Component Item - Roof Trusses

DIAGRAM	QTY		LABEL	(Shipping)	<u>Base Span</u>	LUMBER	OVERHANG		CANTILEVER		STUB	
	PLY	PITCH		HEIGHT	SPAN		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	1	12 /12	PB1	(3-01-07) 2-11-15	6-02-14	2 x 4			-	5-01-08	-	-
	12	12 /12	PB2	(3-01-07) 2-11-15	6-02-14	2 x 4			-	5-01-08	-	-
	2	8 /12	PB3	(2-00-00) 1-10-08	6-07-08	2 x 4			-	5-01-10	-	-
	1	12 /12	V1	4-07-08	9-03-00	2 x 4			-	-	-	-
	1	12 /12	V2	3-03-08	6-07-00	2 x 4			-	-	-	-
	1	12 /12	V3	1-11-08	3-11-00	2 x 4			-	-	-	-
	199											
						2027.49						

Ancillary Items

QTY	Label	Description	Length
3	HHUS26-2	HHUS26-2	
4	HUS26	HUS26	

Notes:

Tax Not Included-Delivery Included

Thank you for allowing 84 to bid this job.

Rodney Evans

Total	\$15,419.00
-------	-------------

Terms: This pricing will be honored if job delivers on or before 10/20/2020. Any layout provided with quotes will be preliminary until finalization at time of order. All girder ply fastener hardware will be provided by others. Girders ply's to be assembled in field by contractor. All girder assembly information can be found on engineered drawings provided. All field framing on layout is to be done in the field. Contact 84 engineered wood center for any needed LVL/beams.

* IMPORTANT NOTE *



JOB NAME Hicks Residence - Milltown

TRANSACTION # 2000811

STATUS Quote

BUILDER

MODEL

QUOTE DATE

SOLD TO 2307- 84 Fayetteville
620 Belt Drive
Fayetteville North Carolina 28301

SHIP TO

Fayetteville NC

SALES REP J.P. Lilliston
(910) 339-6330

CONTACT

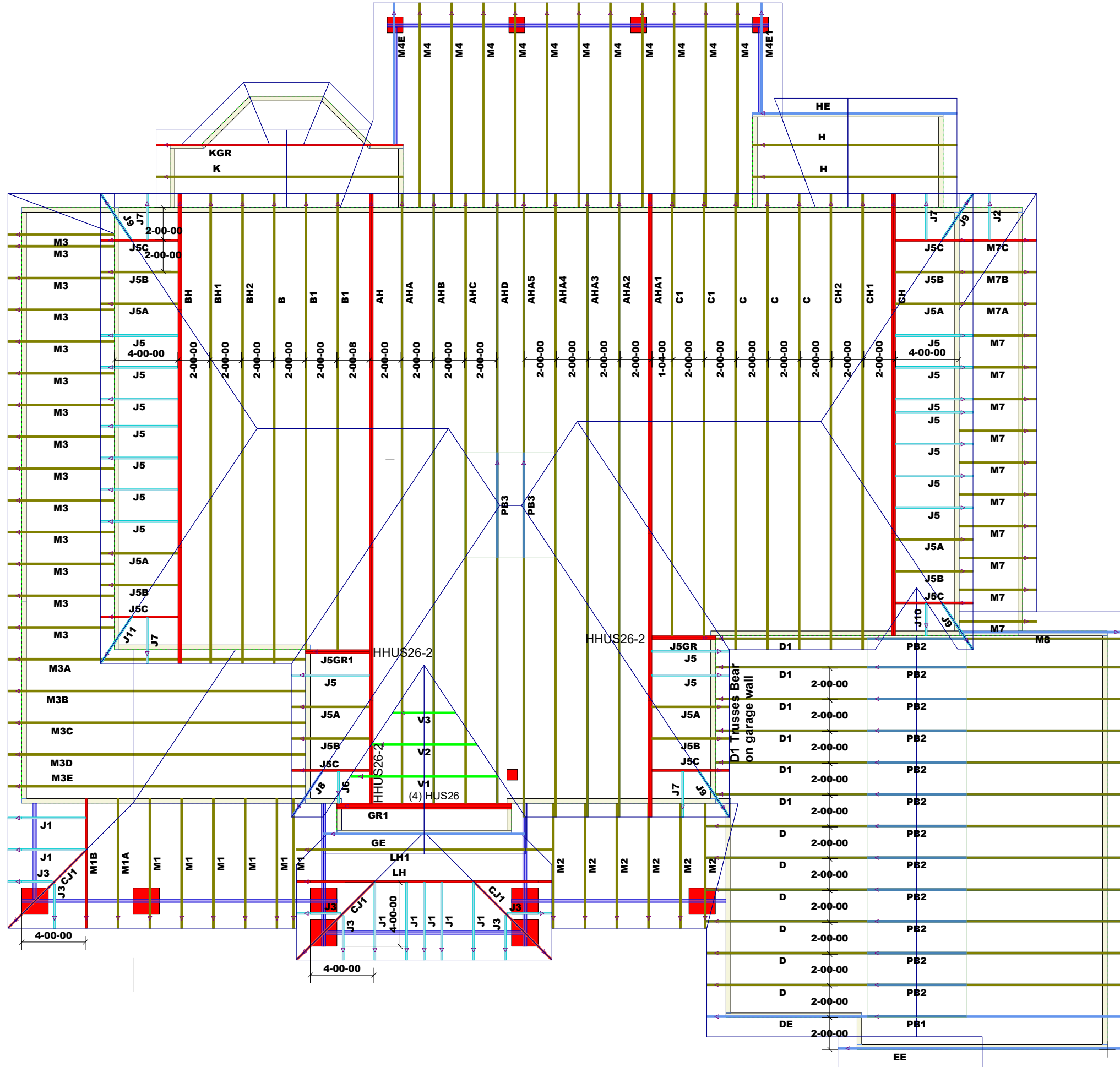
84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

THIS PROPOSAL IS BASED ON LUMBER DESIGN VALUES IN EFFECT AT THE TIME OF THE QUOTE. IN THE EVENT ANY LUMBER DESIGN VALUES CHANGE BEFORE THE COMPLETION OF THE PROJECT, 84 LUMBER COMPANY RESERVES THE RIGHT TO MODIFY THE PRICE ACCORDINGLY.

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400



PROJECT: Hicks Residence - Miltown
CUSTOMER: 2307- 84 Fayetteville

QUOTE #: 2000811
DRAWN BY: Rodney Evans
SCALE: N.T.S
PRINT DATE: 10/6/2020

TOP LIVE LOAD: 20.0 lb/ft²
TOP DEAD LOAD: 10.0 lb/ft²
BOTTOM DEAD LOAD: 10.0 lb/ft²
WIND SPEED: 130 mph

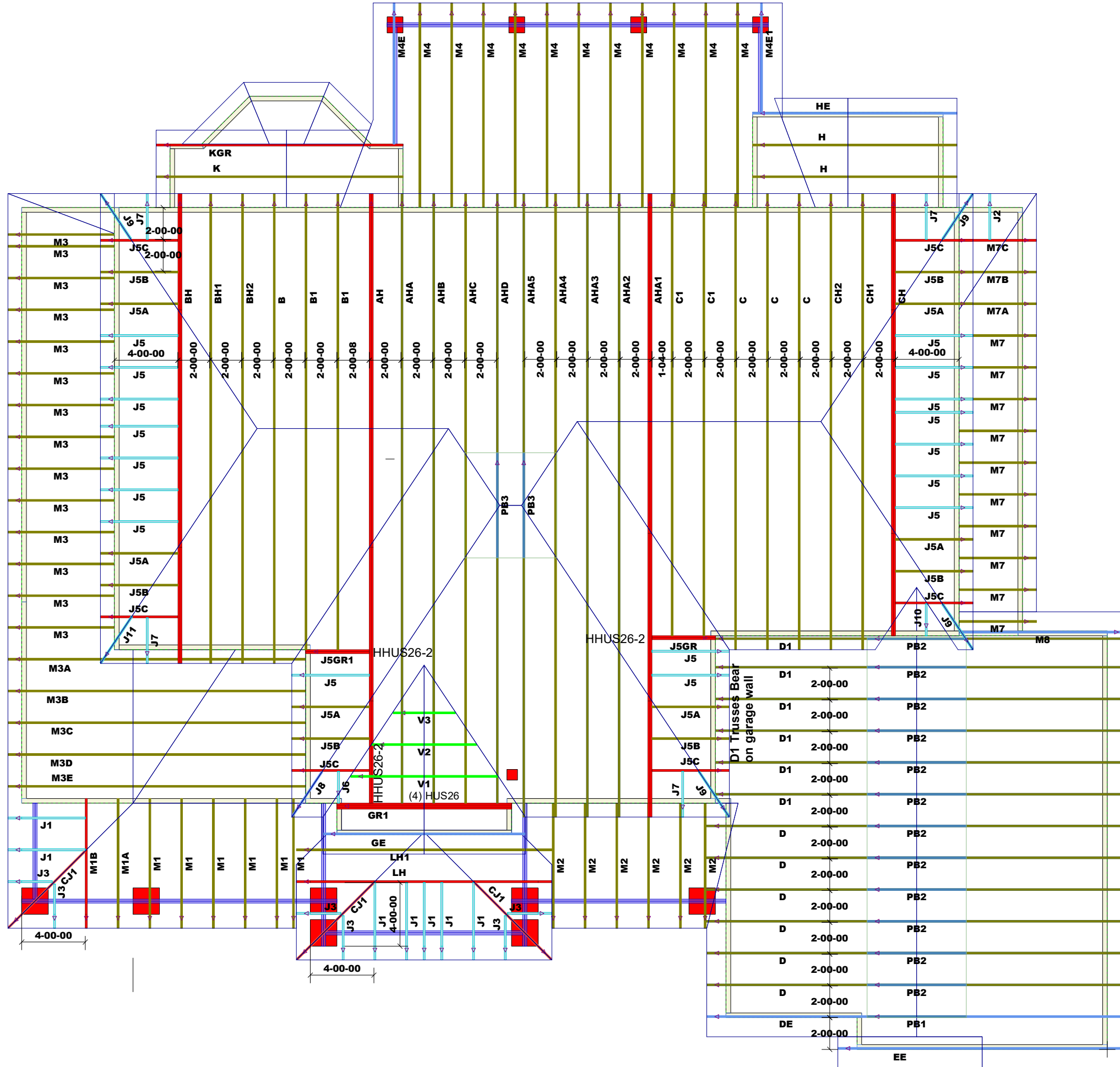
GENERAL NOTES:
- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

1st Level Roof Area 2514.67
2nd Level Roof Area 0

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400



PROJECT: Hicks Residence - Miltown
CUSTOMER: 2307- 84 Fayetteville
MODEL:
QUOTE #: 2000811
DRAWN BY: Rodney Evans
SCALE: N.T.S
PRINT DATE: 10/6/2020

TOP LIVE LOAD: 20.0 lb/ft²
TOP DEAD LOAD: 10.0 lb/ft²
BOTTOM DEAD LOAD: 10.0 lb/ft²
WIND SPEED: 130 mph

GENERAL NOTES:
- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANS I TP I 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLAN RECOMMENDS TRUSSES TO BEARING CONNECTIONS AND TRUSSES TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

1st Level Roof Area 2514.67
2nd Level Roof Area 0

1st Floor\Flush Beams\FB1(i163) (Flush Beam)

BC CALC® Member Report

Dry | 2 spans | L cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB1(i163)

City, State, Zip:

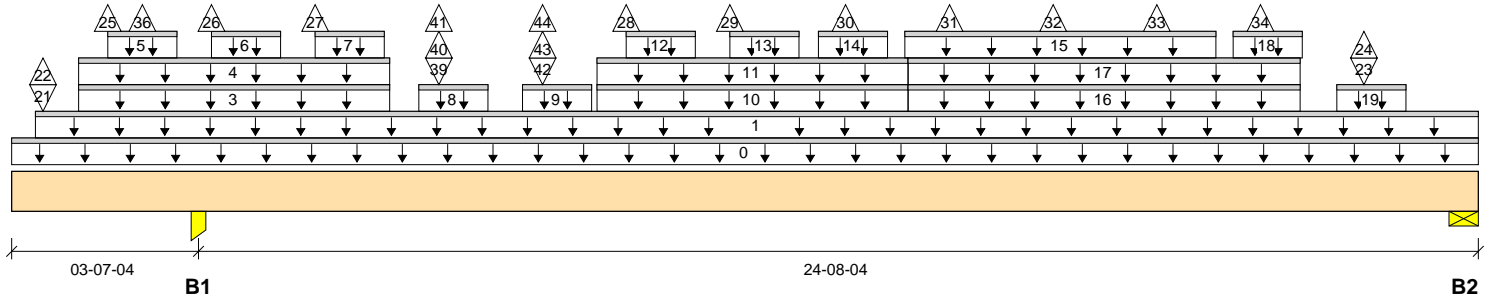
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 28-03-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	3827 / 11	6494 / 0		912 / 2490	3307 / 80
B2, 3-1/2"	1674 / 58	2697 / 0		503 / 1124	1403 / 223

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	28-03-08	Top		32				00-00-00
1	E54(i55)	Unf. Lin. (lb/ft)	L	00-05-08	28-03-08	Top		64				n/a
3	Smoothed Load	Unf. Lin. (lb/ft)	L	01-03-08	07-03-08	Top	254	92				n/a
4	Smoothed Load	Unf. Lin. (lb/ft)	L	01-03-08	07-03-08	Top		57			58	n/a
5	E54(i55)	Unf. Lin. (lb/ft)	L	01-10-04	03-02-04	Top		80			85	n/a
6	E54(i55)	Unf. Lin. (lb/ft)	L	03-10-04	05-02-04	Top		74			93	n/a
7	E54(i55)	Unf. Lin. (lb/ft)	L	05-10-04	07-02-04	Top		72			89	n/a
8	E54(i55)	Unf. Lin. (lb/ft)	L	07-10-04	09-02-04	Top		74			92	n/a
9	E54(i55)	Unf. Lin. (lb/ft)	L	09-10-04	11-02-04	Top		75			92	n/a
10	Smoothed Load	Unf. Lin. (lb/ft)	L	11-03-08	17-03-08	Top	373	136				n/a
11	Smoothed Load	Unf. Lin. (lb/ft)	L	11-03-08	17-03-08	Top		56			58	n/a
12	E54(i55)	Unf. Lin. (lb/ft)	L	11-10-04	13-02-04	Top		75			92	n/a
13	E54(i55)	Unf. Lin. (lb/ft)	L	13-10-04	15-02-04	Top		72			86	n/a
14	E54(i55)	Unf. Lin. (lb/ft)	L	15-06-12	16-10-12	Top		72			86	n/a
15	E54(i55)	Unf. Lin. (lb/ft)	L	17-02-12	23-02-12	Top		50			60	n/a
16	Smoothed Load	Unf. Lin. (lb/ft)	L	17-03-08	24-10-04	Top		60			61	n/a
17	Smoothed Load	Unf. Lin. (lb/ft)	L	17-03-08	24-10-04	Top	57					n/a
18	E54(i55)	Unf. Lin. (lb/ft)	L	23-06-12	24-10-12	Top		74			93	n/a
19	E54(i55)	Unf. Lin. (lb/ft)	L	25-06-12	26-10-12	Top		78			86	n/a
21	FB8(i170)	Conc. Pt. (lbs)	L	00-07-04	00-07-04	Top	233	1867			1355	n/a
22	FB8(i170)	Conc. Pt. (lbs)	L	00-07-04	00-07-04	Top					-30	n/a
23	-	Conc. Pt. (lbs)	L	26-01-00	26-01-00	Top	108	185			148	n/a
24	-	Conc. Pt. (lbs)	L	26-01-00	26-01-00	Top					-28	n/a
25	R1031(c1)	Conc. Pt. (lbs)	L	01-10-04	01-10-04	Top					-3	n/a
26	R1032(c1)	Conc. Pt. (lbs)	L	03-10-04	03-10-04	Top					-3	n/a
27	R1033(c1)	Conc. Pt. (lbs)	L	05-10-04	05-10-04	Top					-3	n/a
28	R1036(c1)	Conc. Pt. (lbs)	L	11-10-04	11-10-04	Top					-3	n/a
29	R1037(c1)	Conc. Pt. (lbs)	L	13-10-04	13-10-04	Top					-3	n/a
30	-	Conc. Pt. (lbs)	L	16-01-00	16-01-00	Top					-3	n/a
31	-	Conc. Pt. (lbs)	L	18-01-02	18-01-02	Top					-3	n/a
32	-	Conc. Pt. (lbs)	L	20-01-01	20-01-01	Top					-3	n/a
33	-	Conc. Pt. (lbs)	L	22-01-01	22-01-01	Top					-3	n/a
34	-	Conc. Pt. (lbs)	L	24-01-01	24-01-01	Top					-3	n/a

1st Floor\Flush Beams\FB1(i163) (Flush Beam)

BC CALC® Member Report

Dry | 2 spans | L cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB1(i163)

City, State, Zip:

Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live	Dead	Snow	Wind	Roof Live	Tributary
							100%	90%	115%	160%	125%	
36	E54(i55)	Conc. Pt. (lbs)	L	02-06-04	02-06-04	Top					-21	n\A
39	-	Conc. Pt. (lbs)	L	08-02-14	08-02-14	Top	454	270			115	n\A
40	-	Conc. Pt. (lbs)	L	08-02-14	08-02-14	Top	-6					n\A
41	-	Conc. Pt. (lbs)	L	08-02-14	08-02-14	Top					-3	n\A
42	-	Conc. Pt. (lbs)	L	10-02-14	10-02-14	Top	454	269			115	n\A
43	-	Conc. Pt. (lbs)	L	10-02-14	10-02-14	Top	-8					n\A
44	-	Conc. Pt. (lbs)	L	10-02-14	10-02-14	Top					-3	n\A

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	34098 ft-lbs	45.9%	100%	4	14-03-09
Neg. Moment	-11312 ft-lbs	12.2%	125%	5	03-07-04
End Shear	4181 lbs	19.6%	100%	4	26-08-00
Cont. Shear	6289 lbs	29.6%	100%	1	05-01-00
Total Load Deflection	L/362 (0.812")	66.4%	n\A	64	15-10-03
Live Load Deflection	2xL/388 (-0.223")	92.9%	n\A	456	00-00-00
Total Neg. Defl.	2xL/244 (-0.354")	98.3%	n\A	64	00-00-00
Max Defl.	0.812"	81.2%	n\A	64	15-10-03
Cant. Max Defl.	-0.354"	35.4%	n\A	64	00-00-00
Span / Depth	18.3				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Column 3-1/2" x 7"	12255 lbs	69.0%	66.7%	Unspecified
B2	Wall/Plate 3-1/2" x 7"	5231 lbs	50.2%	28.5%	Spruce-Pine-Fir

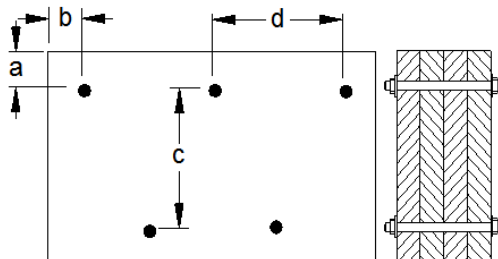
Cautions

Concentrated side load(s) 9 are closer than 18" from end of member. Please consult a technical representative or Professional of Record.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets User specified (2xL/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume unbraced length of Top: 00-05-08, Bottom: 00-05-08.
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.
 Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.

Connection Diagram: Full Length of Member



a minimum = 2" c = 12"
 b minimum = 2-1/2" d = 12"

Calculated Side Load = 512.0 lb/ft

Bolts are assumed to be Grade A307 or Grade 2 or higher.

Connectors are: 1/2 in. Staggered Through Bolt

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

1st Floor\Flush Beams\FB2(i169) (Flush Beam)

BC CALC® Member Report

Dry | 3 spans | R cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB2(i169)

City, State, Zip:

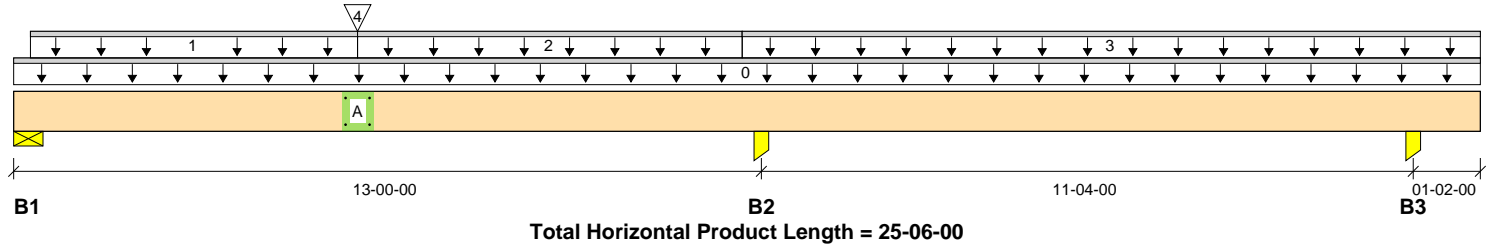
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	1041 / 31	391 / 0			
B2, 8"	1878 / 0	789 / 0			
B3, 8"	325 / 172	95 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	25-06-00	Top		16				00-00-00
1	FC1 Floor Material	Unf. Lin. (lb/ft)	L	00-03-08	05-11-12	Top	23	6				n/a
2	FC1 Floor Material	Unf. Lin. (lb/ft)	L	05-11-12	12-08-00	Top	30	7				n/a
3	FC1 Floor Material	Unf. Lin. (lb/ft)	L	12-08-00	25-06-00	Top	52	13				n/a
4	FB9(i171)	Conc. Pt. (lbs)	L	05-11-12	05-11-12	Top	1962	609				n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	7386 ft-lbs	19.8%	100%	2	05-11-12
Neg. Moment	-4276 ft-lbs	11.4%	100%	4	13-00-00
End Shear	1351 lbs	12.7%	100%	2	01-07-08
Cont. Shear	1733 lbs	16.3%	100%	4	11-04-00
Total Load Deflection	L/999 (0.064")	n/a	n/a	2	06-00-12
Live Load Deflection	L/999 (0.048")	n/a	n/a	7	06-01-12
Total Neg. Defl.	L/999 (-0.019")	n/a	n/a	2	17-06-08
Max Defl.	0.064"	n/a	n/a	2	06-00-12
Cant. Max Defl.	0.005"	n/a	n/a	2	25-06-00
Span / Depth	9.6				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 3-1/2"	1431 lbs	27.5%	15.6%	Spruce-Pine-Fir
B2	Column 8" x 3-1/2"	2668 lbs	13.1%	12.7%	Unspecified
B3	Column 8" x 3-1/2"	420 lbs	2.1%	2.0%	Unspecified
B3	Uplift	77 lbs			

Cautions

Uplift of -77 lbs found at bearing B3.

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB2(i169)

City, State, Zip:

Specifier:

Customer:

Designer:

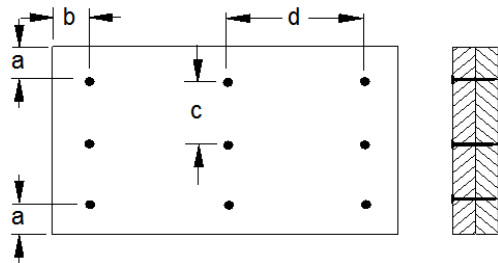
Code reports: ESR-1040

Company:

Notes

- Design meets Code minimum (L/240) Total load deflection criteria.
- Design meets Code minimum (L/360) Live load deflection criteria.
- Design meets arbitrary (1") Maximum Total load deflection criteria.
- Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
- Design meets arbitrary (0.75") Maximum live load deflection criteria.
- Calculations assume member is fully braced.
- BC CALC® analysis is based on IBC 2012.
- Design based on Dry Service Condition.
- Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.

Connection Diagram: Full Length of Member

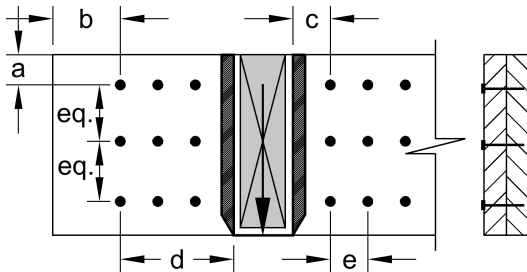


- a minimum = 2" c = 6"
- b minimum = 3" d = 24"

Connectors are: 3-1/4 in. Pneumatic Gun Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 3



- a minimum = 2"
- b minimum = 4"
- c minimum = 4"
- d maximum = 12"
- e minimum = 4"
- Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

1st Floor\Flush Beams\FB3(i167) (Flush Beam)

Dry | 2 spans | No cant.

October 6, 2020 07:11:07

BC CALC® Member Report

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB3(i167)

City, State, Zip:

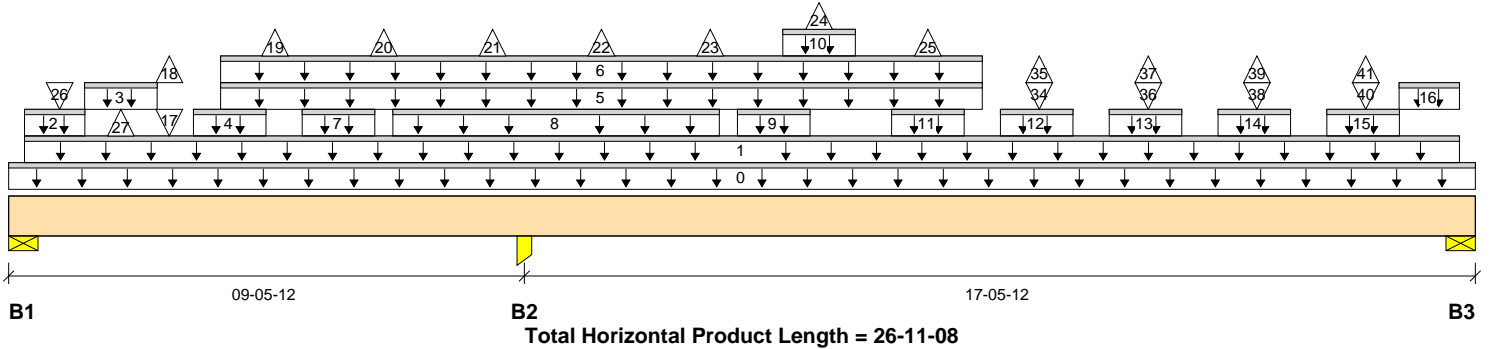
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	1285 / 826	473 / 0		25 / 140	361 / 275
B2, 3-1/2"	5672 / 0	5209 / 0		961 / 1675	1754 / 62
B3, 3-1/2"	2039 / 69	1940 / 0		263 / 568	664 / 65

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	26-11-08	Top		24				00-00-00
1	E56(i52)	Unf. Lin. (lb/ft)	L	00-03-08	26-08-00	Top		64				n/a
2	E56(i52)	Unf. Lin. (lb/ft)	L	00-03-08	01-04-13	Top					38	n/a
3	E56(i52)	Unf. Lin. (lb/ft)	L	01-04-12	02-08-12	Top		82			85	n/a
4	E56(i52)	Unf. Lin. (lb/ft)	L	03-04-12	04-08-12	Top		74			93	n/a
5	Smoothed Load	Unf. Lin. (lb/ft)	L	03-10-12	17-10-12	Top	318	116				n/a
6	Smoothed Load	Unf. Lin. (lb/ft)	L	03-10-12	17-10-12	Top		35			37	n/a
7	E56(i52)	Unf. Lin. (lb/ft)	L	05-04-12	06-08-12	Top		72			89	n/a
8	E56(i52)	Unf. Lin. (lb/ft)	L	07-00-12	13-00-12	Top		50			62	n/a
9	E56(i52)	Unf. Lin. (lb/ft)	L	13-04-12	14-08-12	Top		62			65	n/a
10	E56(i52)	Unf. Lin. (lb/ft)	L	14-02-12	15-06-12	Top		62			65	n/a
11	E56(i52)	Unf. Lin. (lb/ft)	L	16-02-12	17-06-12	Top		75			92	n/a
12	E56(i52)	Unf. Lin. (lb/ft)	L	18-02-12	19-06-12	Top		74			92	n/a
13	E56(i52)	Unf. Lin. (lb/ft)	L	20-02-12	21-06-12	Top		72			89	n/a
14	E56(i52)	Unf. Lin. (lb/ft)	L	22-02-12	23-06-12	Top		74			93	n/a
15	E56(i52)	Unf. Lin. (lb/ft)	L	24-02-12	25-06-12	Top		78			86	n/a
16	E56(i52)	Unf. Lin. (lb/ft)	L	25-06-11	26-08-00	Top					38	n/a
17	-	Conc. Pt. (lbs)	L	02-11-07	02-11-07	Top	642	313			89	n/a
18	-	Conc. Pt. (lbs)	L	02-11-07	02-11-07	Top					-7	n/a
19	R1084(c1)	Conc. Pt. (lbs)	L	04-10-12	04-10-12	Top					-6	n/a
20	R1083(c1)	Conc. Pt. (lbs)	L	06-10-12	06-10-12	Top					-6	n/a
21	R1082(c1)	Conc. Pt. (lbs)	L	08-10-12	08-10-12	Top					-6	n/a
22	R1081(c1)	Conc. Pt. (lbs)	L	10-10-12	10-10-12	Top					-6	n/a
23	R1080(c1)	Conc. Pt. (lbs)	L	12-10-12	12-10-12	Top					-6	n/a
24	-	Conc. Pt. (lbs)	L	14-10-12	14-10-12	Top					-6	n/a
25	-	Conc. Pt. (lbs)	L	16-10-12	16-10-12	Top					-6	n/a
26	-	Conc. Pt. (lbs)	L	00-11-04	00-11-04	Top	474	193				n/a
27	E56(i52)	Conc. Pt. (lbs)	L	02-00-12	02-00-12	Top					-12	n/a
34	-	Conc. Pt. (lbs)	L	18-11-05	18-11-05	Top	631	306			77	n/a
35	-	Conc. Pt. (lbs)	L	18-11-05	18-11-05	Top					-6	n/a
36	-	Conc. Pt. (lbs)	L	20-11-06	20-11-06	Top	631	231			69	n/a

1st Floor\Flush Beams\FB3(i167) (Flush Beam)

BC CALC® Member Report
 Build 7493
 Job name:
 Address:
 City, State, Zip:
 Customer:
 Code reports: ESR-1040

Dry | 2 spans | No cant.

October 6, 2020 07:11:07

File name: 2000813A.mmdl
 Description: 1st Floor\Flush Beams\FB3(i167)
 Specifier:
 Designer:
 Company:

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live	Dead	Snow	Wind	Roof Live	Tributary
							100%	90%	115%	160%	125%	
37	-	Conc. Pt. (lbs)	L	20-11-06	20-11-06	Top					-6	n/a
38	-	Conc. Pt. (lbs)	L	22-11-05	22-11-05	Top	631	306			79	n/a
39	-	Conc. Pt. (lbs)	L	22-11-05	22-11-05	Top					-6	n/a
40	-	Conc. Pt. (lbs)	L	24-11-05	24-11-05	Top	631	302			73	n/a
41	-	Conc. Pt. (lbs)	L	24-11-05	24-11-05	Top					-35	n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	15364 ft-lbs	27.4%	100%	3	18-11-08
Neg. Moment	-16979 ft-lbs	30.3%	100%	1	09-05-12
End Shear	3790 lbs	23.7%	100%	3	25-04-00
Cont. Shear	5862 lbs	36.7%	100%	1	10-11-08
Total Load Deflection	L/1031 (0.201")	23.3%	n/a	71	18-10-12
Live Load Deflection	L/999 (0.114")	n/a	n/a	478	18-10-12
Total Neg. Defl.	L/999 (-0.029")	n/a	n/a	71	05-10-12
Max Defl.	0.201"	20.1%	n/a	71	18-10-12
Span / Depth	12.9				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 5-1/4"	1758 lbs	22.5%	12.8%	Spruce-Pine-Fir
B1	Uplift	416 lbs			
B2	Column 3-1/2" x 5-1/4"	11211 lbs	84.2%	81.4%	Unspecified
B3	Wall/Plate 3-1/2" x 5-1/4"	4085 lbs	52.3%	29.6%	Spruce-Pine-Fir

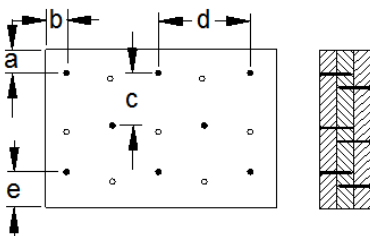
Cautions

Uplift of -416 lbs found at bearing B1.

Notes

- Design meets Code minimum (L/240) Total load deflection criteria.
- Design meets Code minimum (L/360) Live load deflection criteria.
- Design meets arbitrary (1") Maximum Total load deflection criteria.
- Design meets arbitrary (0.75") Maximum live load deflection criteria.
- Calculations assume member is fully braced.
- BC CALC® analysis is based on IBC 2012.
- Wind loads determined from building geometry were used in selected product's verification.
- Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



BC CALC® Member Report

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB3(i167)

City, State, Zip:

Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:

Connection Diagram: Full Length of Member

a minimum = 2"

c = 6"

b minimum = 3"

d = 12"

e minimum = 3"

Calculated Side Load = 438.5 lb/ft

Nailing applies to both sides of the member

Connectors are: 16d Box Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

Double 1-3/4" x 16" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\FB4(i166) (Flush Beam)

BC CALC® Member Report

Dry | 1 span | No cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB4(i166)

City, State, Zip:

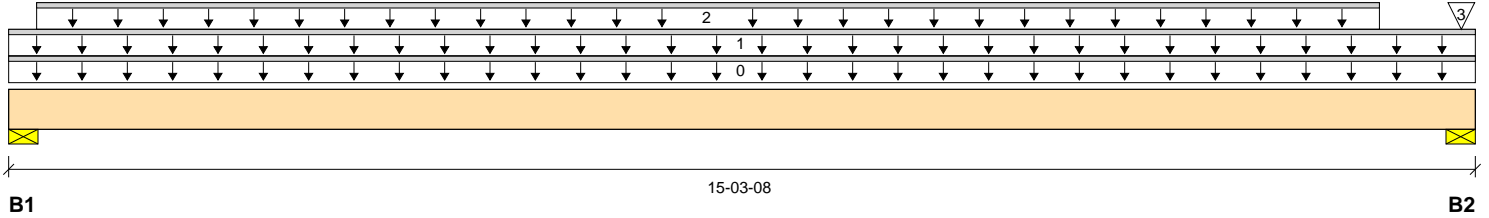
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 15-03-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	2276 / 0	961 / 0			
B2, 3-1/2"	2073 / 0	985 / 0		41 / 0	84 / 0

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	15-03-08	Top		16				00-00-00
1	FC1 Floor Material	Unf. Lin. (lb/ft)	L	00-00-00	15-03-08	Top	6	2				n/a
2	Smoothed Load	Unf. Lin. (lb/ft)	L	00-03-08	14-03-08	Top	304	113				n/a
3	E55(i53)	Conc. Pt. (lbs)	L	15-01-12	15-01-12	Top		99			84	n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	12233 ft-lbs	32.7%	100%	1	07-03-08
End Shear	2990 lbs	28.1%	100%	1	01-07-08
Total Load Deflection	L/886 (0.201")	27.1%	n/a	1	07-08-00
Live Load Deflection	L/1258 (0.141")	28.6%	n/a	40	07-08-00
Max Defl.	0.201"	20.1%	n/a	1	07-08-00
Span / Depth	11.1				

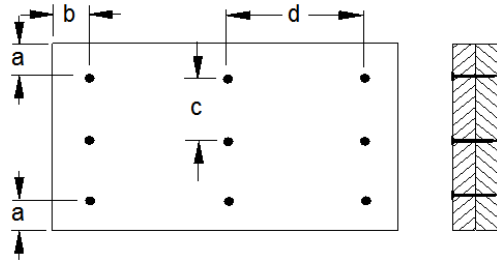
Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 3-1/2"	3237 lbs	62.2%	35.2%	Spruce-Pine-Fir
B2	Wall/Plate 3-1/2" x 3-1/2"	3058 lbs	58.7%	33.3%	Spruce-Pine-Fir

Notes

- Design meets Code minimum (L/240) Total load deflection criteria.
- Design meets Code minimum (L/360) Live load deflection criteria.
- Design meets arbitrary (1") Maximum Total load deflection criteria.
- Design meets arbitrary (0.75") Maximum live load deflection criteria.
- Calculations assume member is fully braced.
- BC CALC® analysis is based on IBC 2012.
- Wind loads determined from building geometry were used in selected product's verification.
- Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 6"
 b minimum = 3" d = 24"

Calculated Side Load = 416.5 lb/ft
 Connectors are: 16d Common Nails

Disclosure

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1st Floor\Flush Beams\FB5(i162) (Flush Beam)

BC CALC® Member Report

Dry | 1 span | No cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB5(i162)

City, State, Zip:

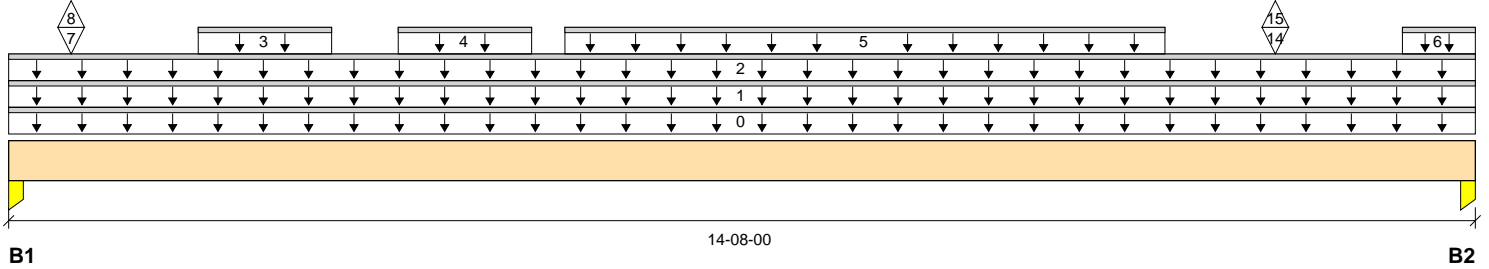
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 14-08-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	293 / 0	3273 / 0		715 / 1599	2587 / 43
B2, 3-1/2"	293 / 0	3160 / 0		968 / 1884	2578 / 4

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	14-08-00	Top		16				00-00-00
1	E55(i53)	Unf. Lin. (lb/ft)	L	00-00-00	14-08-00	Top		64				n/a
2	FC1 Floor Material	Unf. Lin. (lb/ft)	L	00-00-00	14-08-00	Top	40	10				n/a
3	E55(i53)	Unf. Lin. (lb/ft)	L	01-10-12	03-02-12	Top		428			442	n/a
4	E55(i53)	Unf. Lin. (lb/ft)	L	03-10-12	05-02-12	Top		424			436	n/a
5	E55(i53)	Unf. Lin. (lb/ft)	L	05-06-12	11-06-12	Top		288			300	n/a
6	E55(i53)	Unf. Lin. (lb/ft)	L	13-11-04	14-08-00	Top		566			573	n/a
7	E55(i53)	Conc. Pt. (lbs)	L	00-07-08	00-07-08	Top		937			847	n/a
8	E55(i53)	Conc. Pt. (lbs)	L	00-07-08	00-07-08	Top					-44	n/a
14	E55(i53)	Conc. Pt. (lbs)	L	12-08-00	12-08-00	Top		899			928	n/a
15	E55(i53)	Conc. Pt. (lbs)	L	12-08-00	12-08-00	Top					-3	n/a

Controls Summary

Value	% Allowable	Duration	Case	Location
Pos. Moment	17599 ft-lbs	37.7%	125%	2 07-03-12
End Shear	5260 lbs	39.5%	125%	2 13-00-08
Total Load Deflection	L/633 (0.27")	37.9%	n/a	2 07-03-12
Live Load Deflection	L/1341 (0.127")	26.9%	n/a	251 07-03-12
Max Defl.	0.27"	27.0%	n/a	2 07-03-12
Span / Depth	10.7			

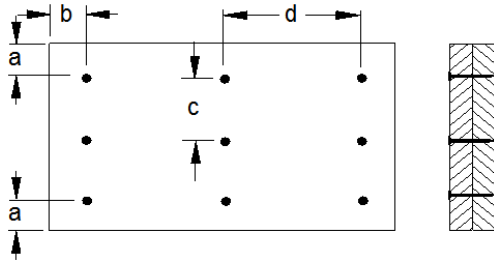
Bearing Supports

Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1 Column 3-1/2" x 3-1/2"	5860 lbs	66.0%	63.8%	Unspecified
B2 Column 3-1/2" x 3-1/2"	5750 lbs	64.7%	62.6%	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume member is fully braced.
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 6"
 b minimum = 3" d = 24"

Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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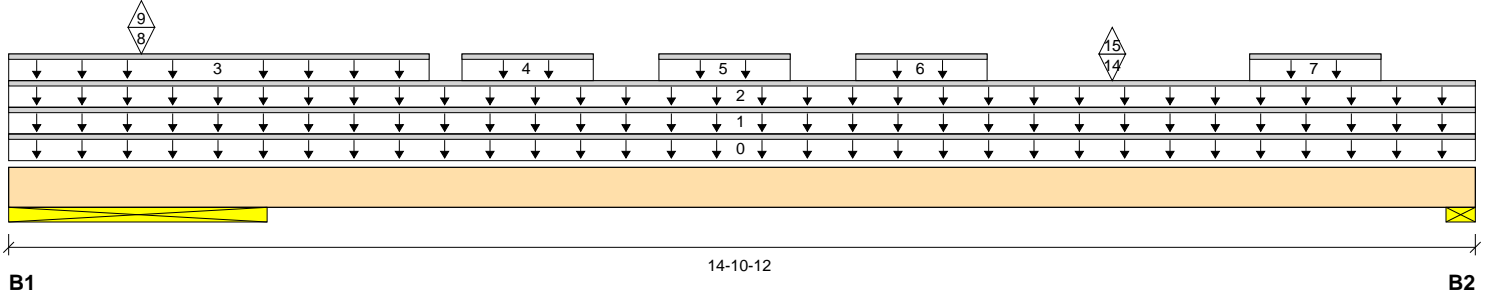
1st Floor\Flush Beams\FB6(i165) (Flush Beam)

BC CALC® Member Report
 Build 7493
 Job name:
 Address:
 City, State, Zip:
 Customer:
 Code reports: ESR-1040

Dry | 1 span | No cant.

October 6, 2020 07:11:07

File name: 2000813A.mmdl
 Description: 1st Floor\Flush Beams\FB6(i165)
 Specifier:
 Designer:
 Company:



Total Horizontal Product Length = 14'-10-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 31-1/2"	333 / 0	3484 / 0		1123 / 1912	2925 / 12
B2, 10-1/4"	262 / 0	2076 / 0		410 / 1019	1492 / 32

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	14-10-12	Top		16				00-00-00
1	E55(i53)	Unf. Lin. (lb/ft)	L	00-00-00	14-10-12	Top		64				n/a
2	FC1 Floor Material	Unf. Lin. (lb/ft)	L	00-00-00	14-10-12	Top	40	10				n/a
3	E55(i53)	Unf. Lin. (lb/ft)	L	00-00-00	04-03-04	Top		277			288	n/a
4	E55(i53)	Unf. Lin. (lb/ft)	L	04-07-04	05-11-04	Top		420			441	n/a
5	E55(i53)	Unf. Lin. (lb/ft)	L	06-07-04	07-11-04	Top		412			424	n/a
6	E55(i53)	Unf. Lin. (lb/ft)	L	08-07-04	09-11-04	Top		415			430	n/a
7	E55(i53)	Unf. Lin. (lb/ft)	L	12-07-04	13-11-04	Top		70			112	n/a
8	-	Conc. Pt. (lbs)	L	01-04-03	01-04-03	Top		363			492	n/a
9	-	Conc. Pt. (lbs)	L	01-04-03	01-04-03	Top					-1	n/a
14	E55(i53)	Conc. Pt. (lbs)	L	11-02-08	11-02-08	Top		917			822	n/a
15	E55(i53)	Conc. Pt. (lbs)	L	11-02-08	11-02-08	Top					-43	n/a

Controls Summary

Value	% Allowable	Duration	Case	Location
Pos. Moment	11464 ft-lbs	24.5%	125%	2 08-09-04
End Shear	3371 lbs	25.3%	125%	2 12-08-08
Total Load Deflection	L/999 (0.116")	n/a	n/a	2 08-05-04
Live Load Deflection	L/999 (0.051")	n/a	n/a	239 08-03-04
Max Defl.	0.116"	n/a	n/a	2 08-05-04
Span / Depth	8.7			
Dist. Load (B1)	659.75 lb/ft	2.1%	100%	
Conc. Load (B1)	855 lbs	9.3%	100%	

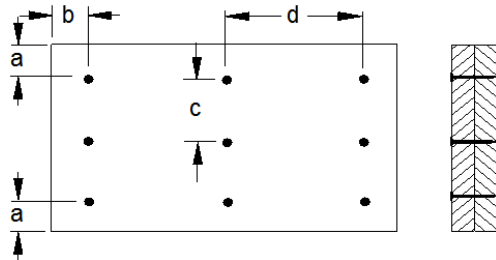
Bearing Supports

Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1 Wall/Plate 31-1/2" x 3-1/2"	6434 lbs	13.7%	7.8%	Spruce-Pine-Fir
B2 Wall/Plate 10-1/4" x 3-1/2"	3576 lbs	23.5%	13.3%	Spruce-Pine-Fir

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume member is fully braced.
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 6"
 b minimum = 3" d = 24"

Calculated Side Load = 427.5 lb/ft
 Connectors are: 16d Common Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

1st Floor\Flush Beams\FB7(i168) (Flush Beam)

BC CALC® Member Report

Dry | 2 spans | No cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB7(i168)

City, State, Zip:

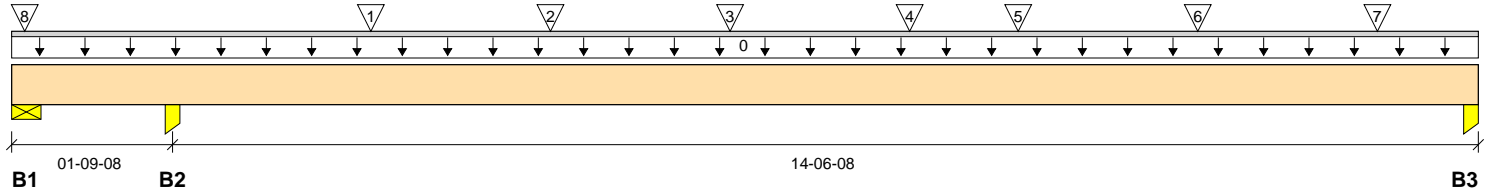
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 16-04-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	0 / 3824	0 / 1649		5 / 2	0 / 7
B2, 8"	5836 / 0	2596 / 0		2 / 7	10 / 0
B3, 4-1/2"	1432 / 0	644 / 0		0 / 1	2 / 0

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	16-04-00	Top		16				00-00-00
1	F11(c4)	Conc. Pt. (lbs)	L	04-00-00	04-00-00	Top	537	198			1	n/a
2	F11(c3)	Conc. Pt. (lbs)	L	06-00-00	06-00-00	Top	537	198			1	n/a
3	F11(c2)	Conc. Pt. (lbs)	L	08-00-00	08-00-00	Top	537	198			1	n/a
4	F11(c1)	Conc. Pt. (lbs)	L	10-00-00	10-00-00	Top	430	174			3	n/a
5	F12(c1)	Conc. Pt. (lbs)	L	11-02-08	11-02-08	Top	430	170				n/a
6	F12(c2)	Conc. Pt. (lbs)	L	13-02-08	13-02-08	Top	536	197				n/a
7	F12(c3)	Conc. Pt. (lbs)	L	15-02-08	15-02-08	Top	438	172				n/a
8	E47(i56)	Conc. Pt. (lbs)	L	00-01-12	00-01-12	Top		19				n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	5924 ft-lbs	15.9%	100%	1	10-00-00
Neg. Moment	-8607 ft-lbs	23.0%	100%	1	01-09-08
End Shear	5475 lbs	51.5%	100%	1	00-03-08
Cont. Shear	5516 lbs	51.8%	100%	1	01-05-08
Total Load Deflection	L/999 (0.07")	n/a	n/a	1	09-09-00
Live Load Deflection	L/999 (0.049")	n/a	n/a	112	09-09-00
Total Neg. Defl.	L/999 (-0.001")	n/a	n/a	1	01-01-09
Max Defl.	0.07"	n/a	n/a	1	09-09-00
Span / Depth	10.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 3-1/2"	0 lbs	n/a	n/a	Spruce-Pine-Fir
B1	Uplift	5473 lbs			
B2	Column 8" x 3-1/2"	8433 lbs	41.5%	40.2%	Unspecified
B3	Column 4-1/2" x 3-1/2"	2076 lbs	18.2%	17.6%	Unspecified

Cautions

Uplift of -5473 lbs found at bearing B1.

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB7(i168)

City, State, Zip:

Specifier:

Customer:

Designer:

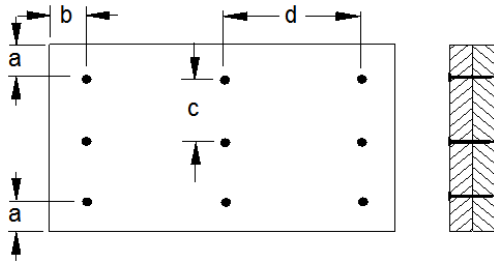
Code reports: ESR-1040

Company:

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume member is fully braced.
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 6"
 b minimum = 3" d = 12"

Calculated Side Load = 602.0 lb/ft
 Connectors are: 16d Common Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

1st Floor\Flush Beams\FB8(i170) (Flush Beam)

BC CALC® Member Report

Dry | 1 span | No cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB8(i170)

City, State, Zip:

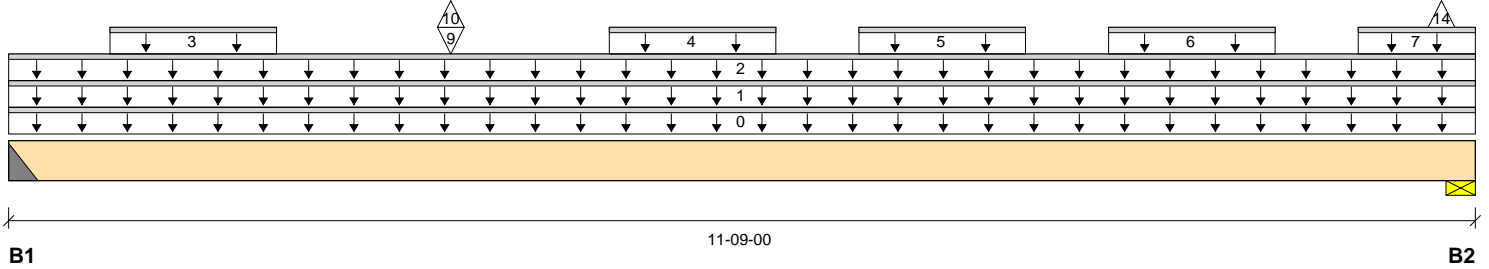
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 11-09-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	213 / 0	1875 / 0		375 / 945	1364 / 31
B2, 3-1/2"	218 / 0	2470 / 0		744 / 1287	1962 / 14

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	11-09-00	Top		16				00-00-00
1	E53(i60)	Unf. Lin. (lb/ft)	L	00-00-00	11-09-00	Top		64				n\ a
2	FC1 Floor Material	Unf. Lin. (lb/ft)	L	00-00-00	11-09-00	Top	37	9				n\ a
3	E53(i60)	Unf. Lin. (lb/ft)	L	00-09-12	02-01-12	Top		70			112	n\ a
4	E53(i60)	Unf. Lin. (lb/ft)	L	04-09-12	06-01-12	Top		428			442	n\ a
5	E53(i60)	Unf. Lin. (lb/ft)	L	06-09-12	08-01-12	Top		424			436	n\ a
6	E53(i60)	Unf. Lin. (lb/ft)	L	08-09-12	10-01-12	Top		440			466	n\ a
7	E53(i60)	Unf. Lin. (lb/ft)	L	10-09-12	11-09-00	Top		579			573	n\ a
9	E53(i60)	Conc. Pt. (lbs)	L	03-06-08	03-06-08	Top		937			846	n\ a
10	E53(i60)	Conc. Pt. (lbs)	L	03-06-08	03-06-08	Top					-44	n\ a
14	E53(i60)	Conc. Pt. (lbs)	L	11-05-12	11-05-12	Top					-1	n\ a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	11471 ft-lbs	24.6%	125%	2	05-07-12
End Shear	3950 lbs	29.7%	125%	2	10-01-08
Total Load Deflection	L/999 (0.112")	n\ a	n\ a	2	05-09-12
Live Load Deflection	L/999 (0.049")	n\ a	n\ a	167	05-09-12
Max Defl.	0.112"	n\ a	n\ a	2	05-09-12
Span / Depth	8.6				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 3-1/2"	3240 lbs	n\ a	61.7%	Hanger
B2	Wall/Plate 3-1/2" x 3-1/2"	4439 lbs	85.3%	48.3%	Spruce-Pine-Fir

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB8(i170)

City, State, Zip:

Specifier:

Customer:

Designer:

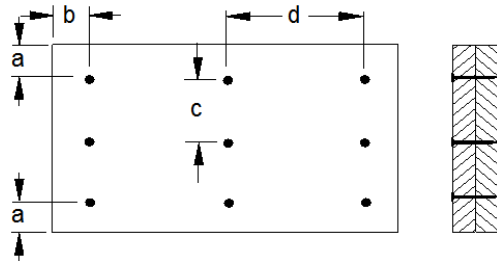
Code reports: ESR-1040

Company:

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume member is fully braced.
 Hanger Manufacturer: Unassigned
 BC CALC® analysis is based on IBC 2012.
 Wind loads determined from building geometry were used in selected product's verification.
 Design based on Dry Service Condition.

Connection Diagram: Full Length of Member



a minimum = 2" c = 6"
 b minimum = 3" d = 24"

Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

1st Floor\Flush Beams\FB9(i171) (Flush Beam)

BC CALC® Member Report

Dry | 1 span | No cant.

October 6, 2020 07:11:07

Build 7493

Job name:

File name: 2000813A.mmdl

Address:

Description: 1st Floor\Flush Beams\FB9(i171)

City, State, Zip:

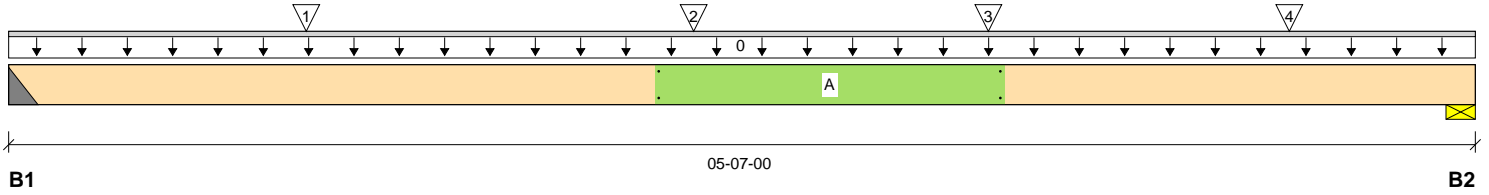
Specifier:

Customer:

Designer:

Code reports: ESR-1040

Company:



Total Horizontal Product Length = 05-07-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	1988 / 0	617 / 0			
B2, 5-3/4"	3758 / 0	1143 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	05-07-00	Top		16				00-00-00
1	-	Conc. Pt. (lbs)	L	01-01-10	01-01-10	Top	707	202				n\la
2	-	Conc. Pt. (lbs)	L	02-07-05	02-07-05	Top	708	219				n\la
3	F10(c1)	Conc. Pt. (lbs)	L	03-08-12	03-08-12	Top	3610	967				n\la
4	F5(c1)	Conc. Pt. (lbs)	L	04-10-08	04-10-08	Top	703	261				n\la

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	5888 ft-lbs	15.8%	100%	1	03-08-12
End Shear	4049 lbs	38.1%	100%	1	03-09-04
Total Load Deflection	L/999 (0.01")	n\la	n\la	1	02-09-07
Live Load Deflection	L/999 (0.008")	n\la	n\la	2	02-09-07
Max Defl.	0.01"	n\la	n\la	1	02-09-07
Span / Depth	3.8				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 3-1/2"	2605 lbs	n\la	49.6%	Hanger
B2	Wall/Plate 5-3/4" x 3-1/2"	4901 lbs	57.1%	32.3%	Spruce-Pine-Fir

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Design meets arbitrary (0.75") Maximum live load deflection criteria.
 Calculations assume member is fully braced.
 Hanger Manufacturer: Unassigned
 BC CALC® analysis is based on IBC 2012.
 Design based on Dry Service Condition.

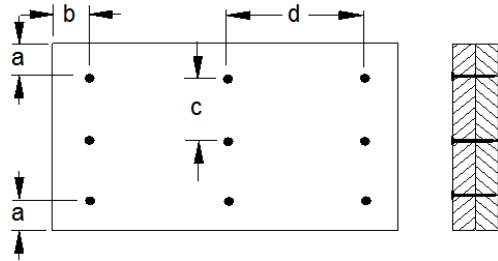
BC CALC® Member Report
 Build 7493
 Job name:
 Address:
 City, State, Zip:
 Customer:
 Code reports: ESR-1040

Dry | 1 span | No cant.

October 6, 2020 07:11:07

File name: 2000813A.mmdl
 Description: 1st Floor\Flush Beams\FB9(i171)
 Specifier:
 Designer:
 Company:

Connection Diagram: Full Length of Member

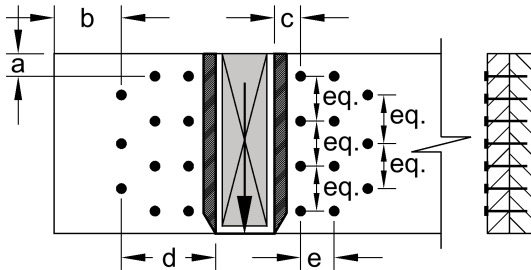


a minimum = 2" c = 6"
 b minimum = 3" d = 12"

Calculated Side Load = 482.0 lb/ft
 Connectors are: 16d Box Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 3+4+5



a minimum = 2"
 b minimum = 4"
 c minimum = 4"
 d maximum = 12"
 e minimum = 4"
 Connectors are: 16d Common Nails

Disclosure

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BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28334
PHONE: 910-892-8400

PROJECT: Hicks Residence - Miltown

CUSTOMER: 2307- 84 Fayetteville

MODEL:

QUOTE #: 2000813

PRINT DATE: 10/16/2017

SCALE: N.T.S

DRAWN BY: Rodney Evans

TOP LIVE LOAD: 40.0 lb/ft²

TOP DEAD LOAD: 10.0 lb/ft²

BOTTOM LIVE LOAD:

BOTTOM DEAD LOAD: 5.0 lb/ft²

GENERAL NOTES:

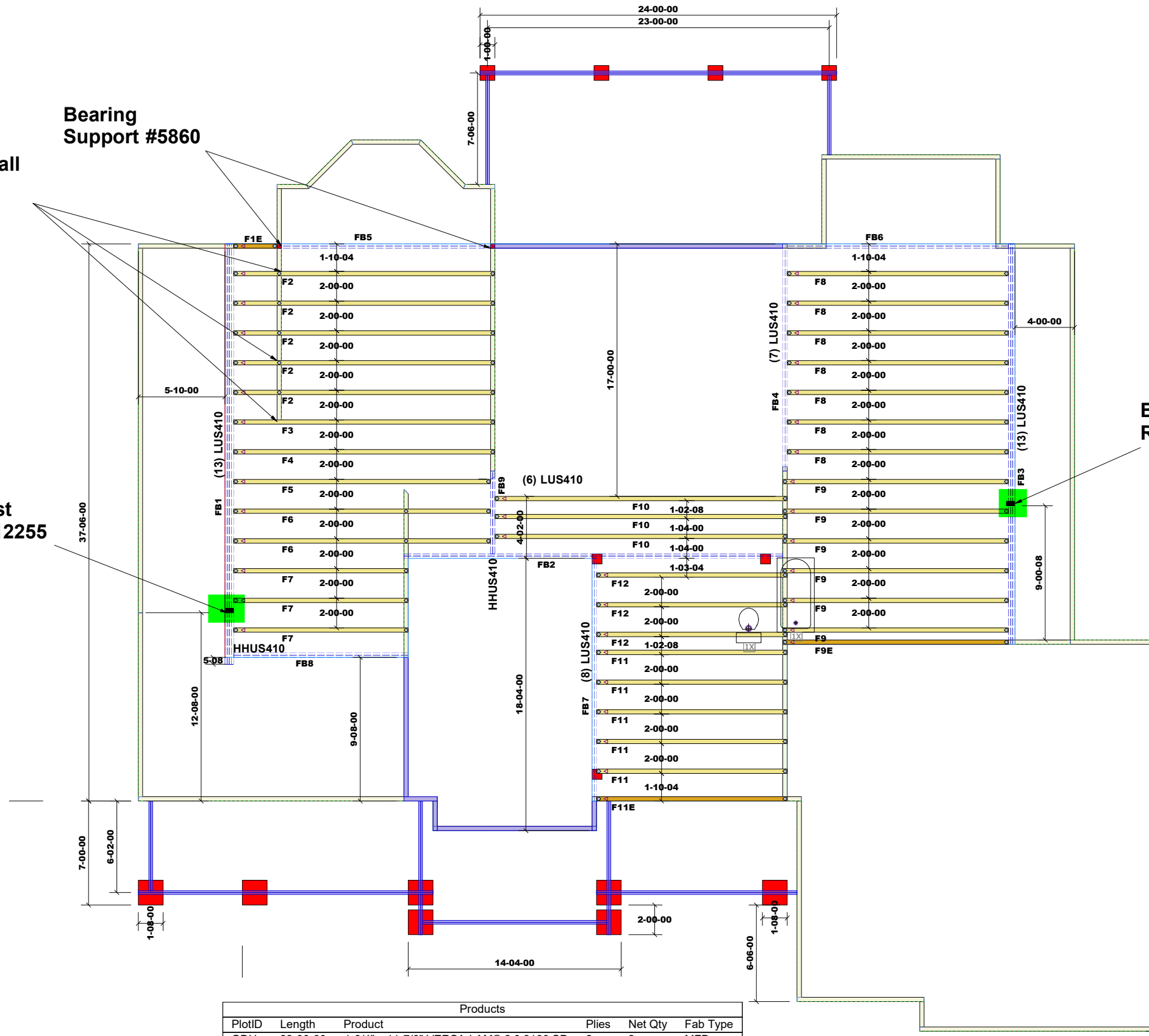
- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

Bearing Post Required #12255

Bearing Wall Required

Bearing Support #5860

Bearing Post Required # 11211



All Walls Shown Assumed As Bearing

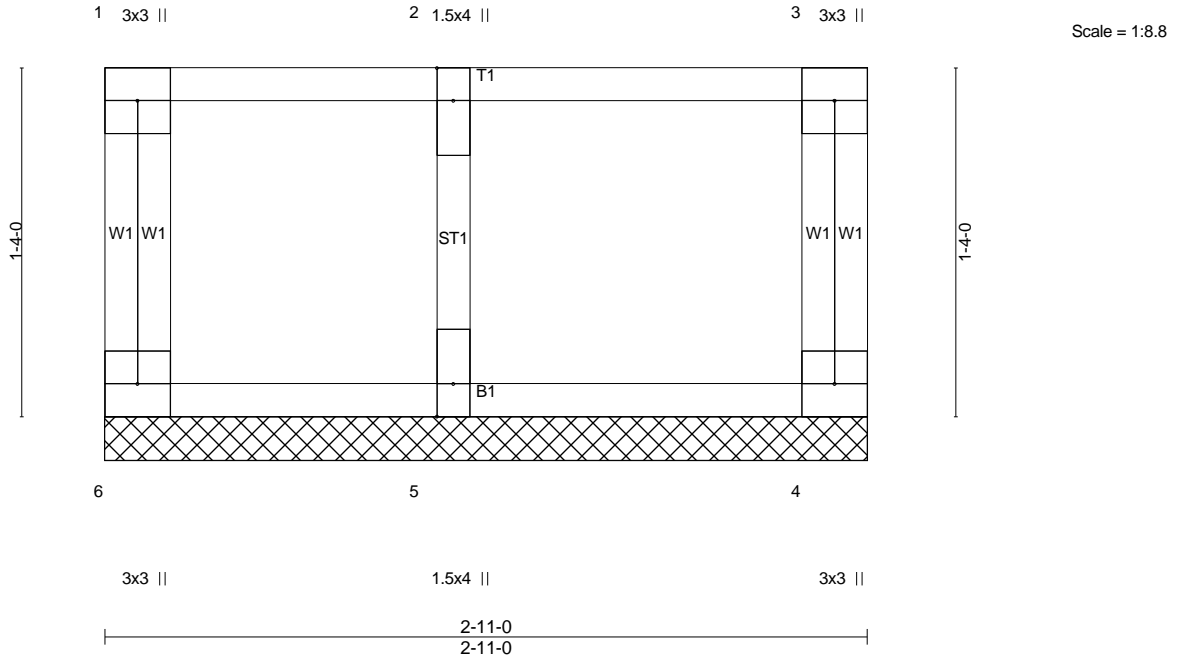
Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
GDH	28-00-00	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB1	30-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	4	4	MFD
FB3	28-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	3	3	MFD
FB2	26-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB7	18-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB4	16-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB5	16-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB6	16-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB8	12-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD
FB9	6-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP	2	2	MFD

Crawl Level Floor Area	1st Level Floor Area	2nd Level Floor Area
0	1510.78	0

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F1E	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:41 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-d2uHu0HE87zEgZXla5qFVVVG28oAu0OdTuzclHTyWBEy



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) n/a	-	n/a	999	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	4	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 17 lb	FT = 20%F, 115

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 2-11-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 6=65/2-11-0 (min. 0-1-8), 4=79/2-11-0 (min. 0-1-8), 5=150/2-11-0 (min. 0-1-8)

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

NOTES-

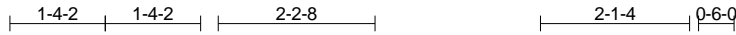
- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 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

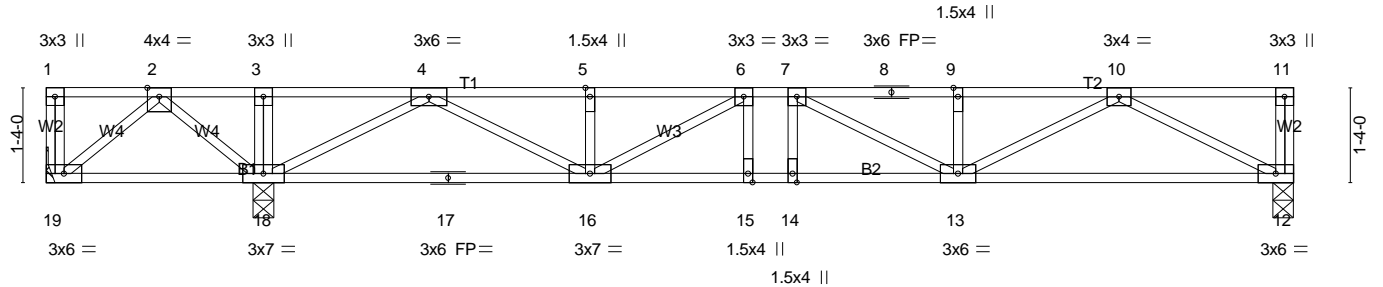
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F2	Floor	5	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:42 2020 Page 1
ID:hjOMP88mnrQZrZEntywViFyWSr_-5ESf6MlsvR65Ij6U8oLU1jo5SCPrijmc6dMvpvyWBEx



Scale = 1:32.5



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)	-0.09 13-14	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT)	-0.12 13-14	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.02 12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 95 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 19=461/Mechanical, 18=1705/0-3-8 (min. 0-1-8), 12=662/0-3-8 (min. 0-1-8)
 Max Uplift 19=575(LC 4)
 Max Grav 18=1705(LC 1), 12=663(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=0/1465, 3-4=0/1469, 4-5=-1042/0, 5-6=-1042/0, 6-7=-1601/0, 7-8=-1613/0, 8-9=-1613/0, 9-10=-1613/0
 BOT CHORD 18-19=-727/0, 15-16=0/1601, 14-15=0/1601, 13-14=0/1601, 12-13=0/1061
 WEBS 2-19=0/941, 2-18=-1058/0, 10-12=-1194/0, 4-18=-1679/0, 10-13=0/626, 4-16=0/1155, 9-13=-252/0, 6-16=-658/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=575.
- 4) This truss is designed in accordance with the 2015 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.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

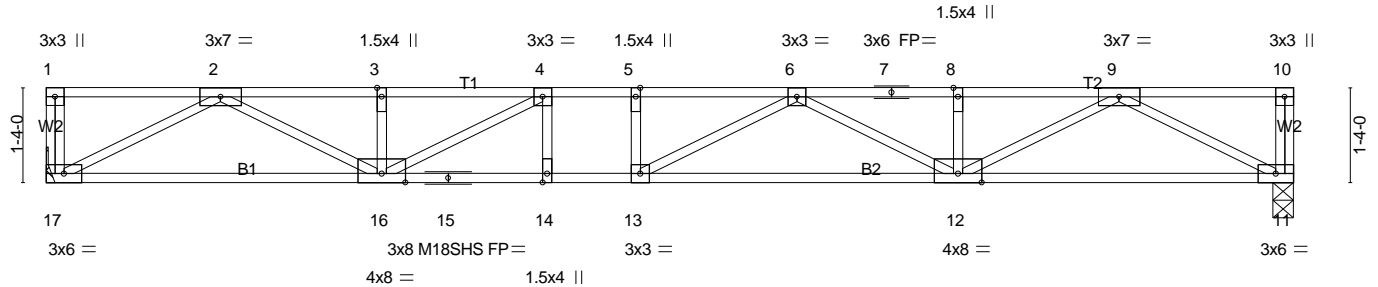
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F3	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:44 2020 Page 1
ID:hjOMp88mnrQZrZEntyWViFyWSr_-1caQW1J7R2MoX0fFDNy68uPL??nDcjavxr?uoyWBEV



Scale = 1:32.5



17-7-0		17-7-0							
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 0.72	Vert(LL)	-0.27 12-13	>782	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.38 12-13	>546	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.58	Horz(CT)	0.06 11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 91 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=953/Mechanical, 11=953/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2693/0, 3-4=-2693/0, 4-5=-3365/0, 5-6=-3365/0, 6-7=-2709/0, 7-8=-2709/0, 8-9=-2709/0
 BOT CHORD 16-17=0/1618, 15-16=0/3365, 14-15=0/3365, 13-14=0/3365, 12-13=0/3294, 11-12=0/1625
 WEBS 9-11=-1830/0, 2-17=-1822/0, 9-12=0/1228, 2-16=0/1218, 6-12=-662/0, 4-16=-906/0, 6-13=-221/429

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

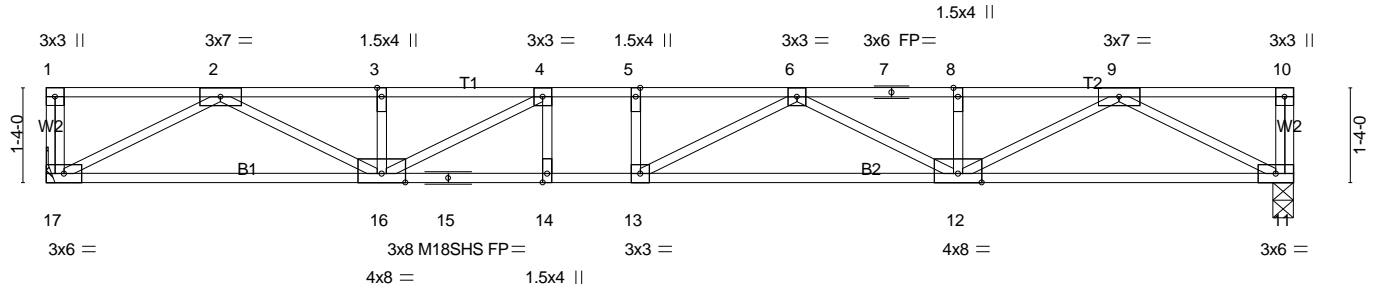
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F4	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:45 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-Vp8okNKICMUf9Aq3pxvBfLQa5PL0y3z2pbaZQEYWBEu



Scale = 1:32.5



17-7-0		17-7-0							
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 0.72	Vert(LL)	-0.27 12-13	>782	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.38 12-13	>546	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.58	Horz(CT)	0.06 11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 91 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=953/Mechanical, 11=953/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2693/0, 3-4=-2693/0, 4-5=-3365/0, 5-6=-3365/0, 6-7=-2709/0, 7-8=-2709/0, 8-9=-2709/0
 BOT CHORD 16-17=0/1618, 15-16=0/3365, 14-15=0/3365, 13-14=0/3365, 12-13=0/3294, 11-12=0/1625
 WEBS 9-11=-1830/0, 2-17=-1822/0, 9-12=0/1228, 2-16=0/1218, 6-12=-662/0, 4-16=-906/0, 6-13=-221/429

NOTES-

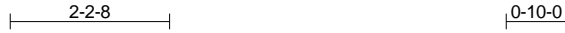
- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

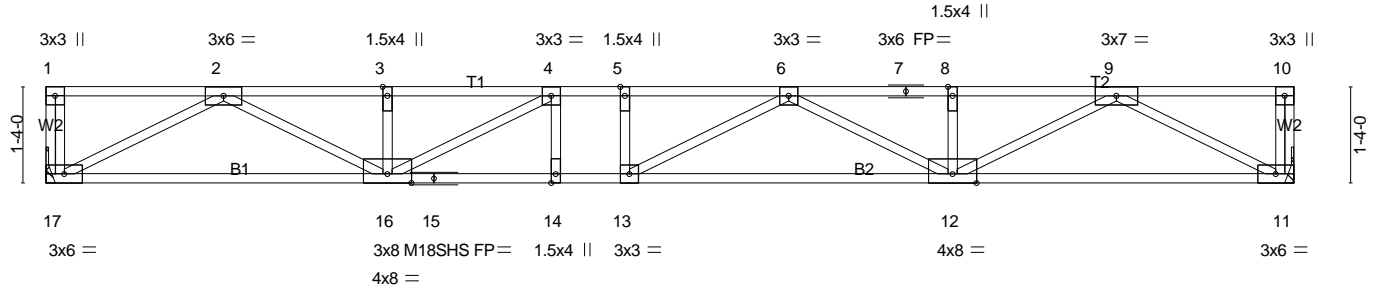
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F5	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:47 2020 Page 1
 ID:hjOMp88mnrQZrZEntrywViFyWSr_-SBFY93L?kzkNOU_SxMxfkmWy8D2YQ_LGu3gU7yWBES



Scale: 3/8"=1'



		17-3-8 17-3-8			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	PLATES GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.62	Vert(LL) -0.24 12-13 >854 480	MT20 197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.71	Vert(CT) -0.34 12-13 >596 360	M18SHS 244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.57	Horz(CT) 0.06 11 n/a n/a	
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S		Weight: 90 lb FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=937/Mechanical, 11=937/Mechanical

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

TOP CHORD 2-3=-2635/0, 3-4=-2635/0, 4-5=-3258/0, 5-6=-3258/0, 6-7=-2647/0, 7-8=-2647/0, 8-9=-2647/0
 BOT CHORD 16-17=0/1587, 15-16=0/3258, 14-15=0/3258, 13-14=0/3258, 12-13=0/3203, 11-12=0/1593
 WEBS 9-11=-1794/0, 2-17=-1787/0, 9-12=0/1194, 2-16=0/1187, 6-12=-630/0, 4-16=-835/0, 6-13=-232/392

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000813-2000813A	F6	Floor	2	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:48 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_wOpXMPMdVHsE0eZeU3SuH_2AwdU79UWVVYpD1ZyWBEr



Scale: 3/8"=1'

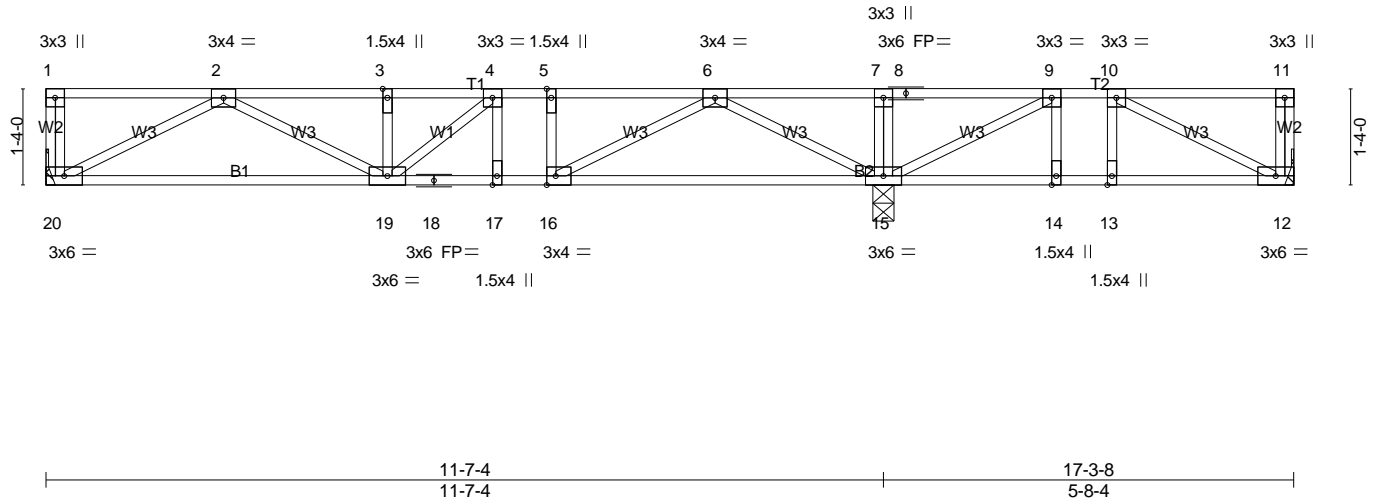


Plate Offsets (X,Y)-- [16:0-1-8,Edge]		11-7-4 11-7-4		17-3-8 5-8-4	
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.37	Vert(LL) -0.05 17-19 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.07 19-20 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 94 lb	FT = 20%F, 11'

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 20=571/Mechanical, 12=182/Mechanical, 15=1122/0-3-8 (min. 0-1-8)
 Max Uplift 12=33(LC 3)
 Max Grav 20=584(LC 10), 12=263(LC 4), 15=1122(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1302/0, 3-4=-1302/0, 4-5=-1223/0, 5-6=-1223/0, 6-7=0/617, 7-8=0/617, 8-9=0/617, 9-10=-283/167
 BOT CHORD 19-20=0/912, 18-19=0/1223, 17-18=0/1223, 16-17=0/1223, 15-16=0/646, 14-15=-167/283, 13-14=-167/283,
 12-13=-167/283
 WEBS 2-20=-1027/0, 6-15=-1215/0, 2-19=0/441, 6-16=0/717, 10-12=-316/188, 9-15=-689/0, 4-19=-110/257

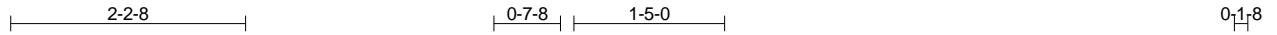
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.
 - 4) This truss is designed in accordance with the 2015 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.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F7	Floor	3	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:50 2020 Page 1
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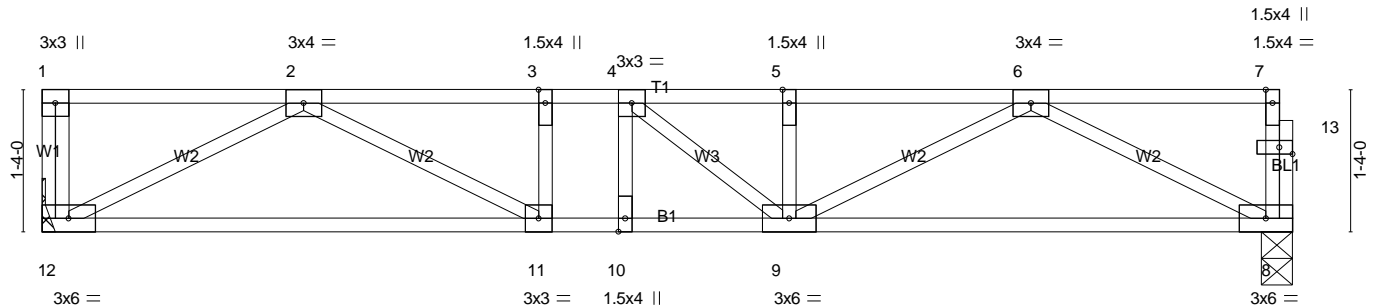


Plate Offsets (X,Y)-- [13:0-1-8,0-0-12]	
11-9-0	11-9-0

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.33	Vert(LL)	-0.06	9-10	>999	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.52	Vert(CT)	-0.09	11-12	>999		
BCLL 0.0	Lumber DOL 1.00	WB 0.30	Horz(CT)	0.02	8	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 63 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 12=632/Mechanical, 8=626/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1484/0, 3-4=-1484/0, 4-5=-1483/0, 5-6=-1483/0
 BOT CHORD 11-12=0/1006, 10-11=0/1484, 9-10=0/1484, 8-9=0/1002
 WEBS 6-8=-1124/0, 2-12=-1133/0, 6-9=0/544, 2-11=0/558

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F8	Floor	7	1	Job Reference (optional)

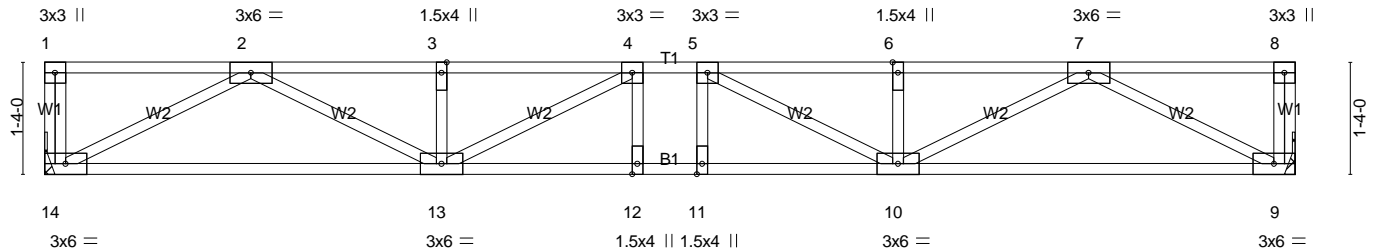
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:53 2020 Page 1
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2-2-8

0-7-12

Scale = 1:27.4



14-10-12		14-10-12								
LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 2-0-0		TC 0.40	Vert(LL) -0.13	12	>999	480		MT20	197/144
TCDL 10.0	Lumber DOL 1.00		BC 0.70	Vert(CT) -0.18	12	>975	360			
BCLL 0.0	Rep Stress Incr YES		WB 0.44	Horz(CT) 0.04	9	n/a	n/a			
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S							
									Weight: 79 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 14=806/Mechanical, 9=806/Mechanical

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

TOP CHORD 2-3=-2148/0, 3-4=-2148/0, 4-5=-2449/0, 5-6=-2148/0, 6-7=-2148/0
 BOT CHORD 13-14=0/1334, 12-13=0/2449, 11-12=0/2449, 10-11=0/2449, 9-10=0/1334
 WEBS 7-9=-1502/0, 2-14=-1502/0, 7-10=0/922, 2-13=0/922, 6-10=-250/0, 3-13=-250/0, 5-10=-502/16, 4-13=-502/16

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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

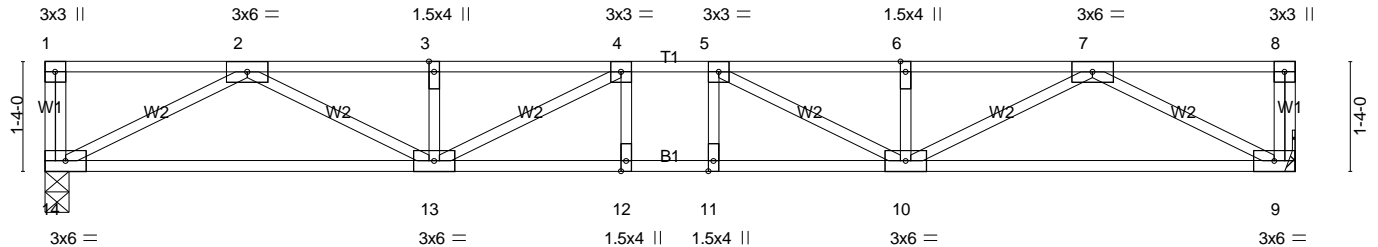
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F9	Floor	6	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:54 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-iYAcdSRO47cOkZ0orKZIWFICG1RUZADNtUGXEDyWBEI



Scale = 1:28.0



		15-2-4		15-2-4					
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 0.44	Vert(LL)	-0.14 12	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.76	Vert(CT)	-0.19 11-12	>924	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.04 9	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 80 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 14=822/0-3-8 (min. 0-1-8), 9=822/Mechanical

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

TOP CHORD 2-3=-2209/0, 3-4=-2209/0, 4-5=-2540/0, 5-6=-2209/0, 6-7=-2209/0
 BOT CHORD 13-14=0/1365, 12-13=0/2540, 11-12=0/2540, 10-11=0/2540, 9-10=0/1365
 WEBS 7-9=-1537/0, 2-14=-1537/0, 7-10=0/956, 2-13=0/956, 6-10=-257/0, 3-13=-257/0, 5-10=-552/0, 4-13=-552/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.

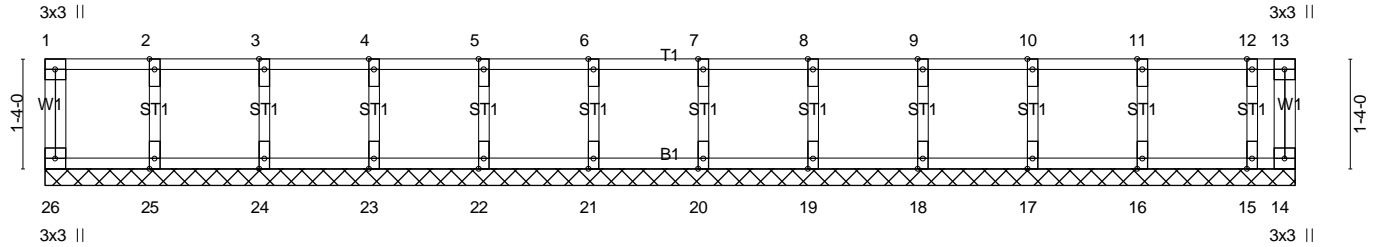
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F9E	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:56 2020 Page 1
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Scale = 1:28.0



LOADING (psf)		SPACING-		CSI.	DEFL.				PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	2-0-0	TC	0.08	in	(loc)	l/defl	L/d	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(LL)	n/a	-	n/a		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Vert(CT)	n/a	-	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R		Horz(CT)	0.00	14	n/a		
										Weight: 69 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS.

All bearings 15-2-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

FORCES.

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

NOTES-

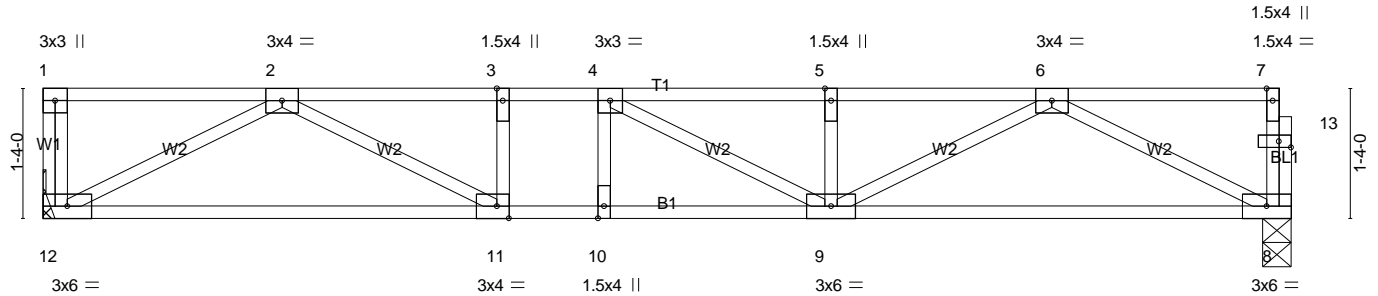
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000813-2000813A	F11	Floor	5	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:59 2020 Page 1
 ID:hjOMp88mnrQZrZEntyWvIFyWSr_-5V_5gAVXvfFgqKviet9TDI?1R28dESC61m_lwQyWBEG



12-10-0	
12-10-0	
Plate Offsets (X,Y)-- [11:0-1-8,Edge], [13:0-1-8,0-0-12]	

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(LL) -0.10 9-10 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.14 9-10 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 67 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 12=692/Mechanical, 8=686/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1744/0, 3-4=-1744/0, 4-5=-1729/0, 5-6=-1729/0
 BOT CHORD 11-12=0/1122, 10-11=0/1744, 9-10=0/1744, 8-9=0/1114
 WEBS 6-8=-1249/0, 2-12=-1263/0, 6-9=0/697, 2-11=0/721, 5-9=-270/0, 4-9=-271/182

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

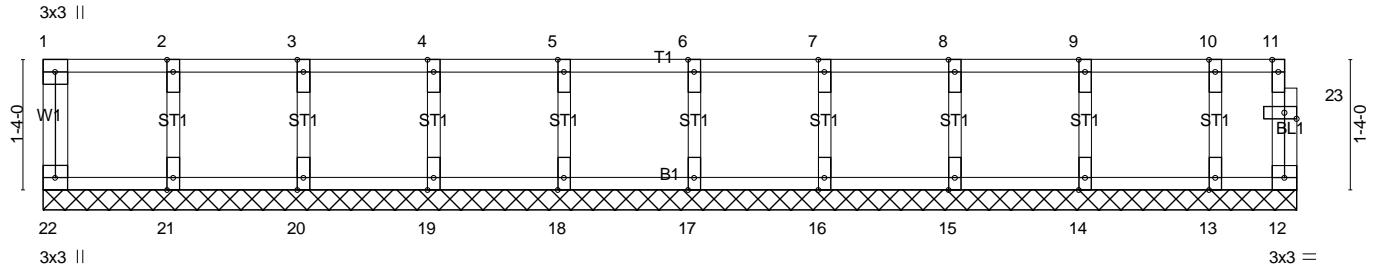
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F11E	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:47:01 2020 Page 1
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0.18

Scale = 1:23.6



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	MT20	197/144		
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a				
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00			Weight: 59 lb	FT = 20%F, 11'
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R							

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS.

All bearings 12-10-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

FORCES.

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

NOTES-

- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.
- CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F12	Floor	3	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:47:02 2020 Page 1
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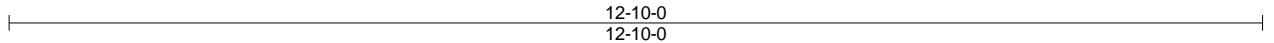
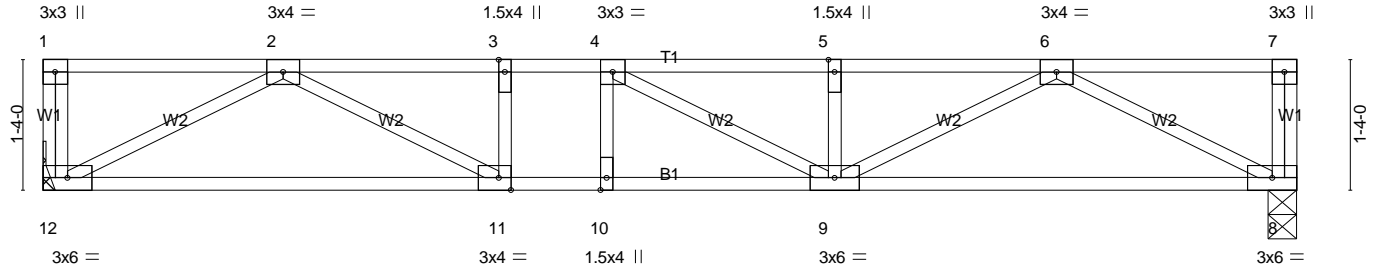


Plate Offsets (X,Y)-- [11:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(LL) -0.10 9-10 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.14 9-10 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 68 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 12=692/Mechanical, 8=692/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1745/0, 3-4=-1745/0, 4-5=-1729/0, 5-6=-1729/0
 BOT CHORD 11-12=0/1122, 10-11=0/1745, 9-10=0/1745, 8-9=0/1116
 WEBS 6-8=-1257/0, 2-12=-1263/0, 6-9=0/694, 2-11=0/721, 5-9=-269/0, 4-9=-271/181

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.

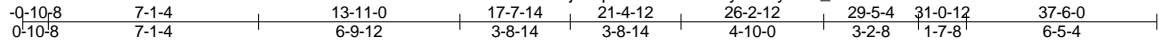
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AH	Roof Special Girder	1	2	Job Reference (optional)

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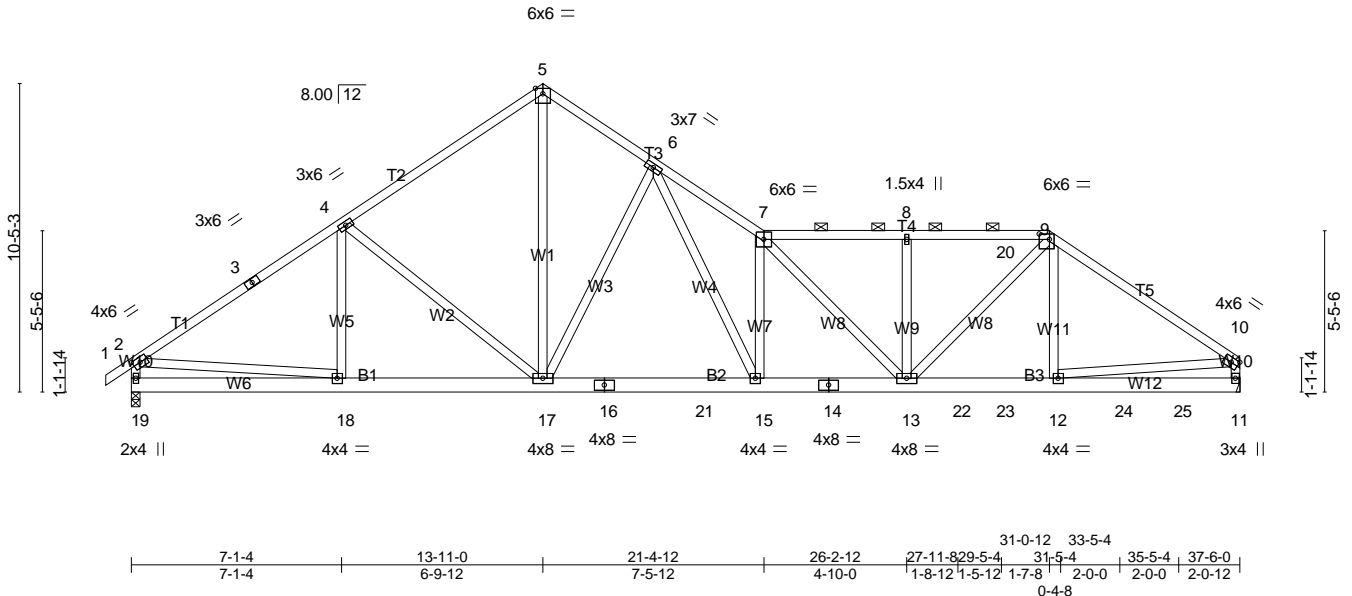


Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [9:0-4-4,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.58	Vert(LL) 0.13 15 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.57	Vert(CT) -0.23 15-17 >999 180		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Horz(CT) 0.03 11 n/a n/a		
				Weight: 547 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 7-9.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 19=1773/0-3-8 (min. 0-1-8), 11=2363/Mechanical
 Max Horz 19=269(LC 9)
 Max Uplift 19=272(LC 12), 11=750(LC 13)

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

TOP CHORD 2-3=-2348/521, 3-4=-2140/545, 4-5=-2067/609, 5-6=-1999/632,
 6-7=-4267/1267, 7-8=-3504/1128, 8-20=-3504/1128, 9-20=-3504/1128,
 9-10=-3162/1070, 2-19=-1687/437, 10-11=-2197/747
 BOT CHORD 18-19=-290/559, 17-18=-367/1886, 16-17=-500/2341, 16-21=-500/2341,
 15-21=-500/2341, 14-15=-893/3589, 13-14=-893/3589, 13-22=-800/2525,
 22-23=-800/2525, 12-23=-800/2525, 12-24=-184/368, 24-25=-184/368,
 11-25=-184/368
 WEBS 4-17=-442/253, 5-17=-550/1853, 6-17=-1632/582, 6-15=-855/2737,
 7-15=-2446/881, 7-13=-738/398, 8-13=-335/208, 9-13=-271/1418,
 9-12=-298/425, 2-18=-202/1501, 10-12=-630/2187

NOTES-

- 2-ply truss to be connected together with 10d (0.120"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.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=750.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AH	Roof Special Girder	1	2	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:25 2020 Page 2
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NOTES-

- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 162 lb up at 29-5-4 on top chord, and 675 lb down and 225 lb up at 27-11-8, 45 lb down and 40 lb up at 29-5-4, 169 lb down and 143 lb up at 31-5-4, and 120 lb down and 102 lb up at 33-5-4, and 120 lb down and 89 lb up at 35-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

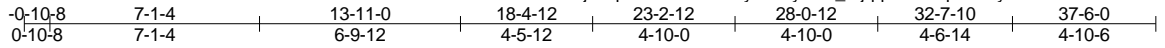
LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-2=-60, 2-5=-60, 5-7=-60, 7-9=-60, 9-10=-60, 11-19=-20
 - Concentrated Loads (lb)
 - Vert: 12=-120(F) 20=-40(F) 22=-675(F) 23=-23(F) 24=-120(F) 25=-120(F)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AHA	Roof Special	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:27 2020 Page 1
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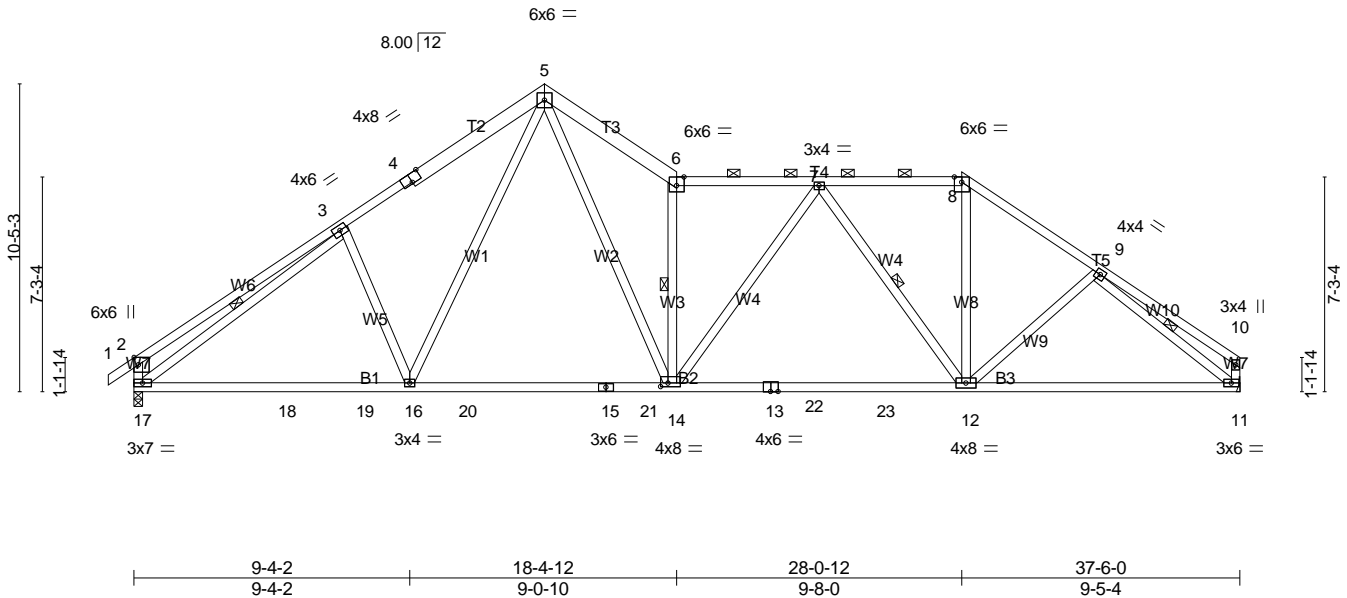


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-4-0,Edge], [6:0-3-0,Edge], [14:0-3-0,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.81	Vert(LL) -0.32 12-14 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 1.00	Vert(CT) -0.57 12-14 >787 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.83	Horz(CT) 0.10 11 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 249 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* T2,T3: 2x6 SP No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* B2: 2x4 SP No.1
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-7-4 oc purlins, except end verticals, and 2-0-0 oc purlins (3-9-5 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
 WEBS 1 Row at midpt 6-14, 7-12, 3-17, 9-11

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

REACTIONS. (lb/size) 17=1550/0-3-8 (min. 0-2-8), 11=1487/Mechanical
 Max Horz 17=272(LC 11)
 Max Uplift 17=-149(LC 12), 11=-208(LC 13)
 Max Grav 17=1606(LC 19), 11=1487(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-590/255, 3-4=-1971/444, 4-5=-1865/473, 5-6=-2534/613, 6-7=-2102/456, 7-8=-1515/369, 8-9=-1891/399, 9-10=-282/92, 2-17=-543/242
 BOT CHORD 17-18=-231/1758, 18-19=-231/1758, 16-19=-231/1758, 16-20=-94/1427, 15-20=-94/1427, 15-21=-94/1427, 14-21=-94/1427, 14-22=-260/1914, 13-22=-260/1914, 13-23=-260/1914, 12-23=-260/1914, 11-12=-262/1505
 WEBS 3-16=-259/273, 5-16=-149/581, 5-14=-372/1816, 6-14=-1584/437, 7-14=-36/393, 7-12=-707/172, 8-12=-104/793, 3-17=-1618/154, 9-11=-1782/337

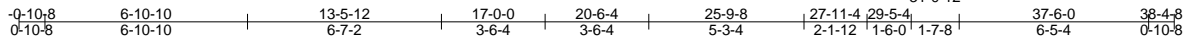
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=208.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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	Hicks Residence - Milltown
2000811-2000811A	AHA1	Roof Special Girder	1	2	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:30 2020 Page 1
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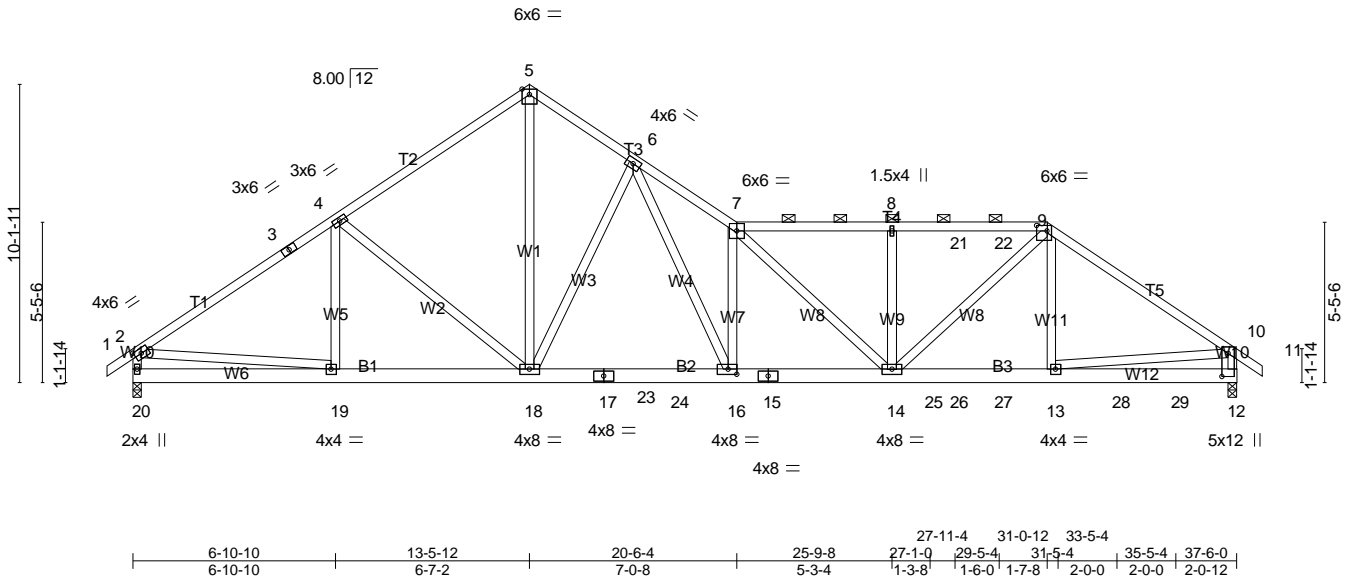


Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [9:0-4-4,0-2-4], [12:0-9-7,0-2-8], [16:0-3-8,0-2-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.51	Vert(LL)	0.15	16	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.70	Vert(CT)	-0.27	16	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.67	Horz(CT)	0.04	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 547 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-9 max.): 7-9.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 20=1900/0-3-8 (min. 0-1-8), 12=2707/0-3-8 (min. 0-2-2)
 Max Horz 20=-267(LC 10)
 Max Uplift 20=-324(LC 12), 12=-901(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2533/596, 3-4=-2331/620, 4-5=-2296/694, 5-6=-2228/717,
 6-7=-4832/1478, 7-8=-4212/1399, 8-21=-4212/1399, 21-22=-4212/1399,
 9-22=-4212/1399, 9-10=-3594/1265, 2-20=-1813/486, 10-12=-2546/917
 BOT CHORD 19-20=-280/556, 18-19=-395/2030, 18-23=-579/2644, 17-23=-579/2644,
 17-24=-579/2644, 16-24=-579/2644, 15-16=-1040/4080, 14-15=-1040/4080,
 14-25=-920/2876, 25-26=-920/2876, 26-27=-920/2876, 13-27=-920/2876,
 13-28=-239/465, 28-29=-239/465, 12-29=-239/465
 WEBS 4-18=-431/263, 5-18=-649/2121, 6-18=-1941/689, 6-16=-1040/3252,
 7-16=-2974/1060, 7-14=-819/595, 8-14=-402/293, 9-14=-416/1854,
 9-13=-245/383, 2-19=-269/1662, 10-13=-739/2443

- NOTES-**
- 2-ply truss to be connected together with 10d (0.120"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 0-7-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=901.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 20. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AHA1	Roof Special Girder	1	2	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:31 2020 Page 2
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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 162 lb up at 27-11-4, and 120 lb down and 162 lb up at 29-5-4 on top chord, and 1022 lb down and 265 lb up at 27-1-0, 45 lb down and 40 lb up at 27-11-4, 45 lb down and 40 lb up at 29-5-4, 169 lb down and 143 lb up at 31-5-4, and 120 lb down and 102 lb up at 33-5-4, and 120 lb down and 89 lb up at 35-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-5=-60, 5-7=-60, 7-9=-60, 9-10=-60, 10-11=-60, 12-20=-20

Concentrated Loads (lb)

Vert: 13=-120(B) 21=-40(B) 22=-40(B) 25=-1022(B) 26=-23(B) 27=-23(B) 28=-120(B) 29=-120(B)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AHA2	Roof Special	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:32 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_8hdjIM6EGtF5FduiYVN2yUMwPxDSrMTyvc5xYDyW5r9

0-10-8	6-10-10	13-5-12	17-6-4	22-9-8	28-0-12	32-7-10	37-6-0	38-4-8
0-10-8	6-10-10	6-7-2	4-0-8	5-3-4	5-3-4	4-6-14	4-10-6	0-10-8

Scale = 1:78.3

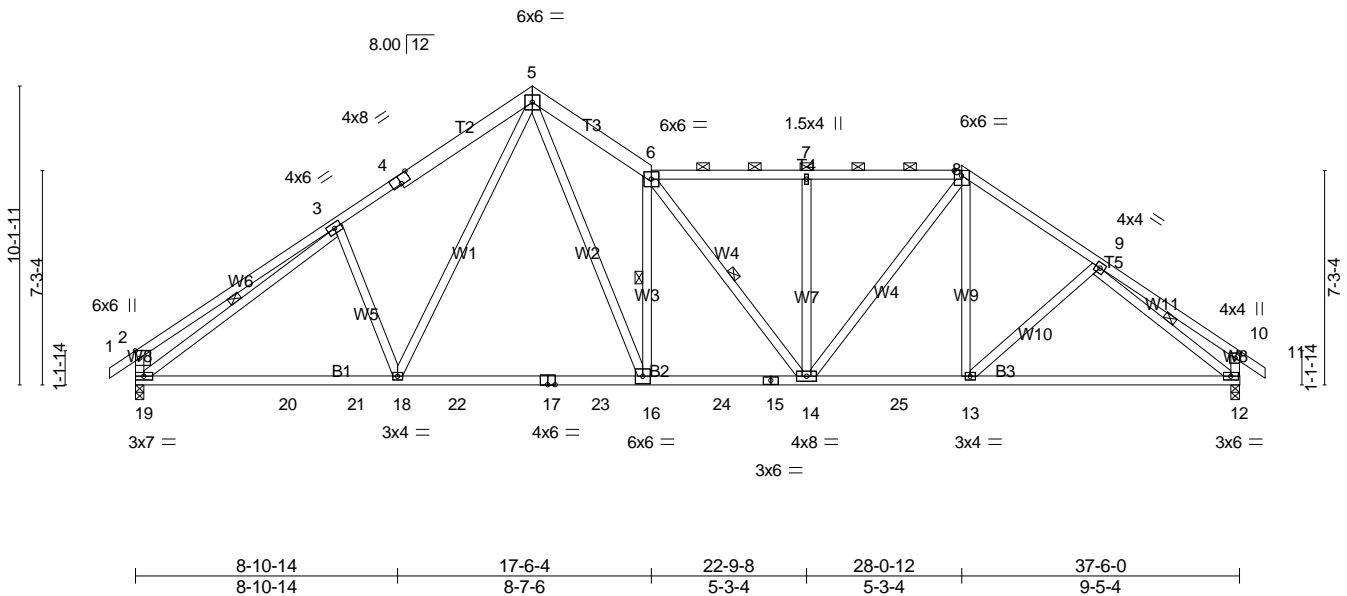


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-4-0,Edge], [10:0-2-0,0-1-12]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.25 16-18 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.92	Vert(CT) -0.42 16-18 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.79	Horz(CT) 0.10 12 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 258 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* T2,T3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-5 max.): 6-8.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 18-19.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-16, 6-14, 3-19, 9-12

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

REACTIONS. (lb/size) 19=1550/0-3-8 (min. 0-2-8), 12=1550/0-3-8 (min. 0-2-7)
 Max Horz 19=270(LC 11)
 Max Uplift 19=-146(LC 12), 12=-234(LC 13)
 Max Grav 19=1598(LC 19), 12=1550(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-550/248, 3-4=-1977/445, 4-5=-1875/474, 5-6=-2510/614, 6-7=-1944/465,
 7-8=-1945/467, 8-9=-1870/405, 9-10=-349/120, 2-19=-517/236,
 10-12=-355/144
 BOT CHORD 19-20=-195/1758, 20-21=-195/1758, 18-21=-195/1758, 18-22=-67/1444,
 17-22=-67/1444, 17-23=-67/1444, 16-23=-67/1444, 16-24=-219/2098,
 15-24=-219/2098, 14-15=-219/2098, 14-25=-131/1510, 13-25=-131/1510,
 12-13=-227/1490
 WEBS 3-18=-241/265, 5-18=-146/559, 5-16=-385/1827, 6-16=-1457/444,
 6-14=-285/59, 7-14=-383/168, 8-14=-150/736, 8-13=0/280, 3-19=-1658/159,
 9-12=-1694/311

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19 and 12. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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

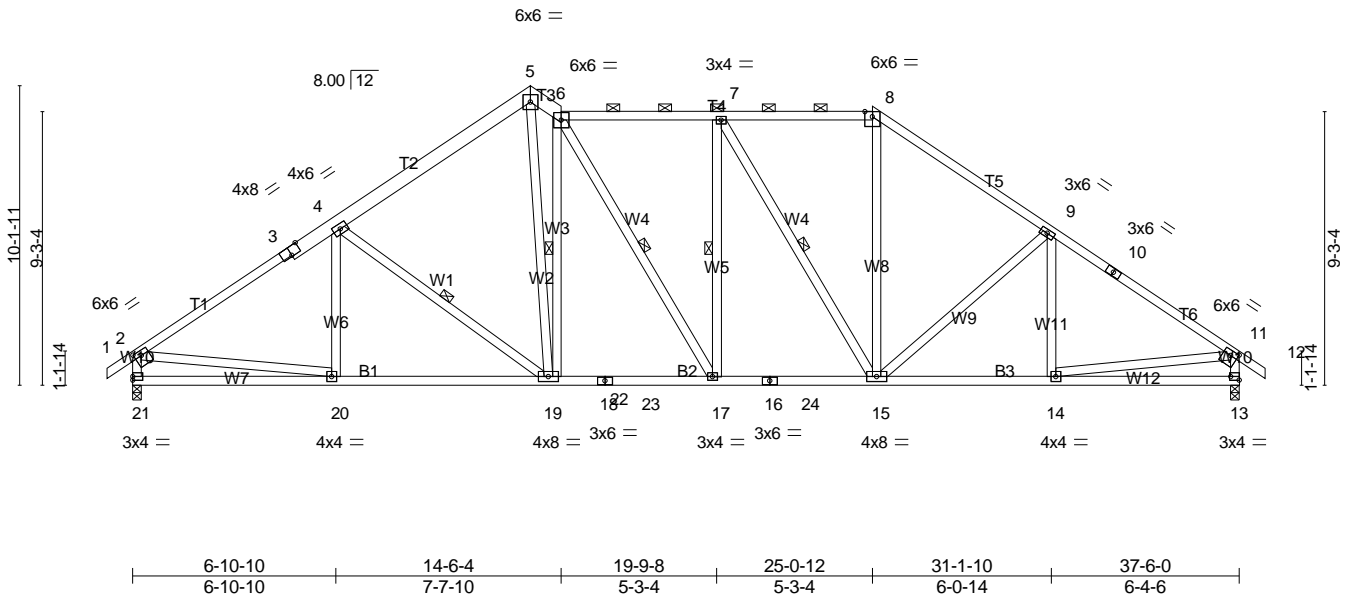
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	AHA3	Roof Special	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:34 2020 Page 1
 ID:hjOMp88mnrQZrZEntyWViFyWSr_-43IT727VoVvpVw24fwPW1vRILLI_3JJYFMwa1d6yW5r7

-0-10-8	6-10-10	13-5-12	14-6-4	19-9-8	25-0-12	31-1-10	37-6-0	38-4-8
0-10-8	6-10-10	6-7-2	1-0-8	5-3-4	5-3-4	6-0-14	6-4-6	0-10-8

Scale = 1:78.1



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.61	Vert(LL)	-0.11 17-19	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.60	Vert(CT)	-0.22 17-19	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.07 13	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
									Weight: 275 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except*
 T2,T3: 2x6 SP No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-13 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-19, 6-19, 6-17, 7-17, 7-15

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

REACTIONS. (lb/size) 21=1550/0-3-8 (min. 0-2-7), 13=1550/0-3-8 (min. 0-2-7)
 Max Horz 21=270(LC 11)
 Max Uplift 21=-146(LC 12), 13=-234(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2003/351, 3-4=-1807/379, 4-5=-1694/419, 5-6=-1612/464, 6-7=-1557/436, 7-8=-1364/400, 8-9=-1747/423, 9-10=-1792/370, 10-11=-1979/348, 2-21=-1485/326, 11-13=-1487/327
 BOT CHORD 20-21=-261/414, 19-20=-199/1663, 19-22=-98/1492, 18-22=-98/1492, 18-23=-98/1492, 17-23=-98/1492, 16-17=-120/1557, 16-24=-120/1557, 15-24=-120/1557, 14-15=-193/1562, 13-14=-87/254
 WEBS 4-19=-404/221, 5-19=-352/1415, 6-19=-1085/327, 6-17=-109/292, 7-15=-456/152, 8-15=-94/623, 9-15=-332/174, 2-20=-129/1379, 11-14=-126/1360

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 21 and 13. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	AHA5	Piggyback Base	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:38 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_yq?_zQB?rj?FzYLrumUSBlcvaMLdF8?rHYFmtyW5r3

-0-10-8	7-10-6	15-5-4	22-0-12	29-7-10	37-6-0	38-4-8
0-10-8	7-10-6	7-6-14	6-7-8	7-6-14	7-10-6	0-10-8

Scale = 1:76.5

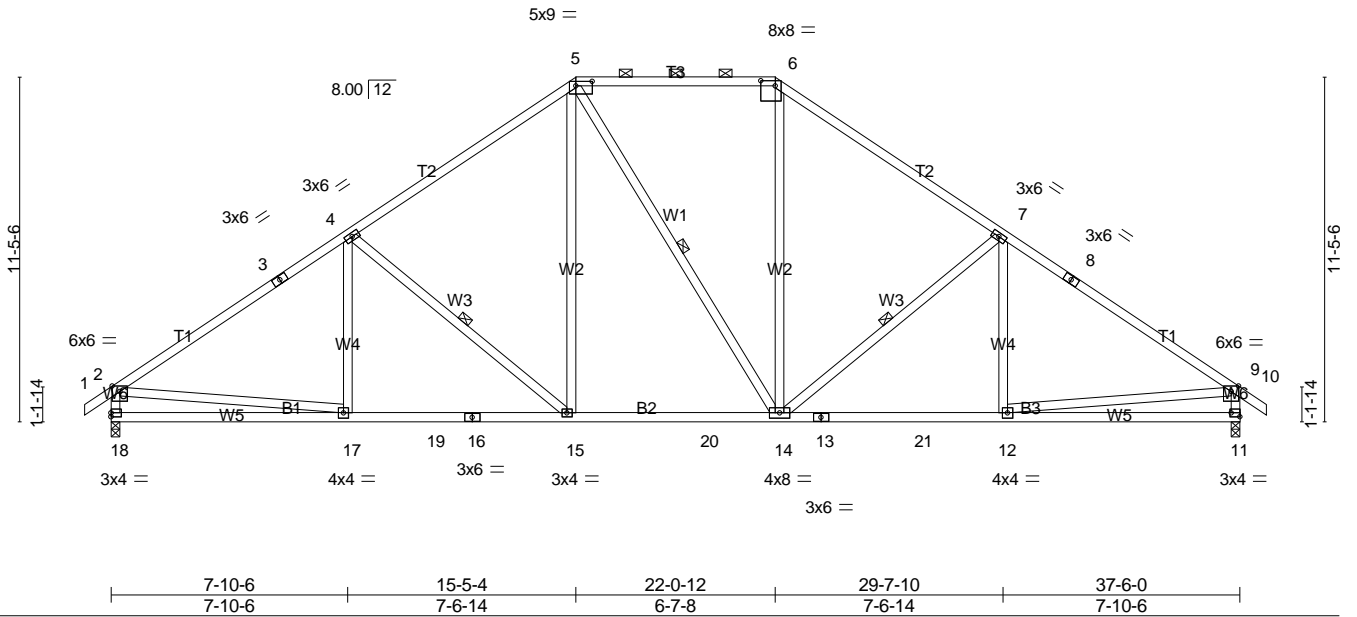


Plate Offsets (X,Y)-- [5:0-6-8,0-1-12], [6:0-5-12,0-2-0], [11:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.91	Vert(LL)	-0.13 14-15	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.24 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT)	0.06 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 245 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3 *Except*
 W1: 2x4 SP No.2 or 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-3 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-15, 5-14, 7-14

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

REACTIONS. (lb/size) 18=1550/0-3-8 (min. 0-2-7), 11=1550/0-3-8 (min. 0-2-7)
 Max Horz 18=-303(LC 10)
 Max Uplift 18=-159(LC 12), 11=-159(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2001/341, 3-4=-1794/369, 4-5=-1615/417, 5-6=-1226/408,
 6-7=-1614/417, 7-8=-1780/369, 8-9=-2001/341, 2-18=-1475/328,
 9-11=-1475/328
 BOT CHORD 17-18=-312/543, 17-19=-192/1717, 16-19=-192/1717, 15-16=-192/1717,
 15-20=-42/1287, 14-20=-42/1287, 13-14=-171/1562, 13-21=-171/1562,
 12-21=-171/1562, 11-12=-133/365
 WEBS 4-15=-545/249, 5-15=-74/601, 6-14=-48/536, 7-14=-547/249, 2-17=-56/1294,
 9-12=-57/1284

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 11. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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	Hicks Residence - Milltown
2000811-2000811A	AHB	Roof Special	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:40 2020 Page 1
ID:hjOMp88mnrQZrZEntywViFyWSr_vD6kO6CFNLfzDrVE0BWWGAhKk9?oj0z7ks1MqmyW5r1

-0-10-8	7-1-4	13-11-0	15-4-12	20-2-12	25-0-12	31-1-10	37-6-0
0-10-8	7-1-4	6-9-12	1-5-12	4-10-0	4-10-0	6-0-14	6-4-6

Scale = 1:78.0

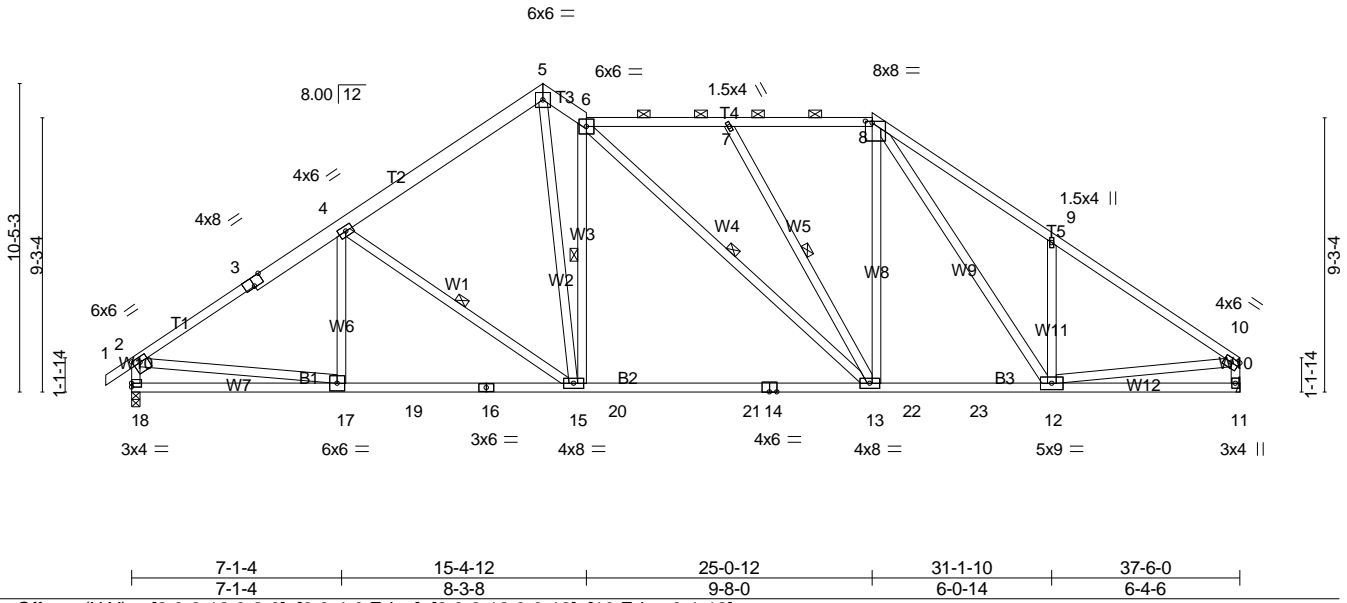


Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [3:0-4-0,Edge], [8:0-2-12,0-0-12], [10:Edge,0-1-12]							
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.61	Vert(LL) -0.29 13-15	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.77	Vert(CT) -0.55 13-15	>819	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.70	Horz(CT) 0.06 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS					
						Weight: 274 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* T2,T3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-1 max.): 6-8. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD 2x4 SP No.1 *Except* B1: 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD
WEBS 2x4 SP No.3 *Except* W4: 2x4 SP No.2 or 2x4 SPF No.2	WEBS 1 Row at midpt 4-15, 6-15, 6-13, 7-13

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

REACTIONS. (lb/size) 18=1550/0-3-8 (min. 0-2-7), 11=1487/Mechanical
Max Horz 18=272(LC 9)
Max Uplift 18=-149(LC 12), 11=-208(LC 13)
Max Grav 18=1558(LC 19), 11=1487(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2016/350, 3-4=-1846/377, 4-5=-1692/408, 5-6=-1769/481,
6-7=-1586/474, 7-8=-1427/393, 8-9=-1977/555, 9-10=-1978/369,
2-18=-1490/327, 10-11=-1419/283
BOT CHORD 17-18=-273/422, 17-19=-235/1763, 16-19=-235/1763, 15-16=-235/1763,
15-20=-134/1609, 20-21=-134/1609, 14-21=-134/1609, 13-14=-134/1609,
13-22=-113/1422, 22-23=-113/1422, 12-23=-113/1422
WEBS 4-15=-437/235, 5-15=-365/1591, 6-15=-1095/368, 7-13=-396/176,
8-13=-49/614, 8-12=-250/437, 9-12=-422/296, 2-17=-127/1403,
10-12=-180/1424

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=208.
 - 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18. This connection is for uplift only and does not consider lateral forces.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) 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	Hicks Residence - Milltown
2000811-2000811A	AHC	Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:42 2020 Page 1
 ID:hjOMp88mnrQZrZEntywVfYWSr_-rcEVonEWvyWhS9fd7bYOMbnaciaByXQCAWSveyW5r?

0-10-8	7-10-6	15-5-4	22-0-12	29-7-10	37-6-0
0-10-8	7-10-6	7-6-14	6-7-8	7-6-14	7-10-6

Scale = 1:78.0

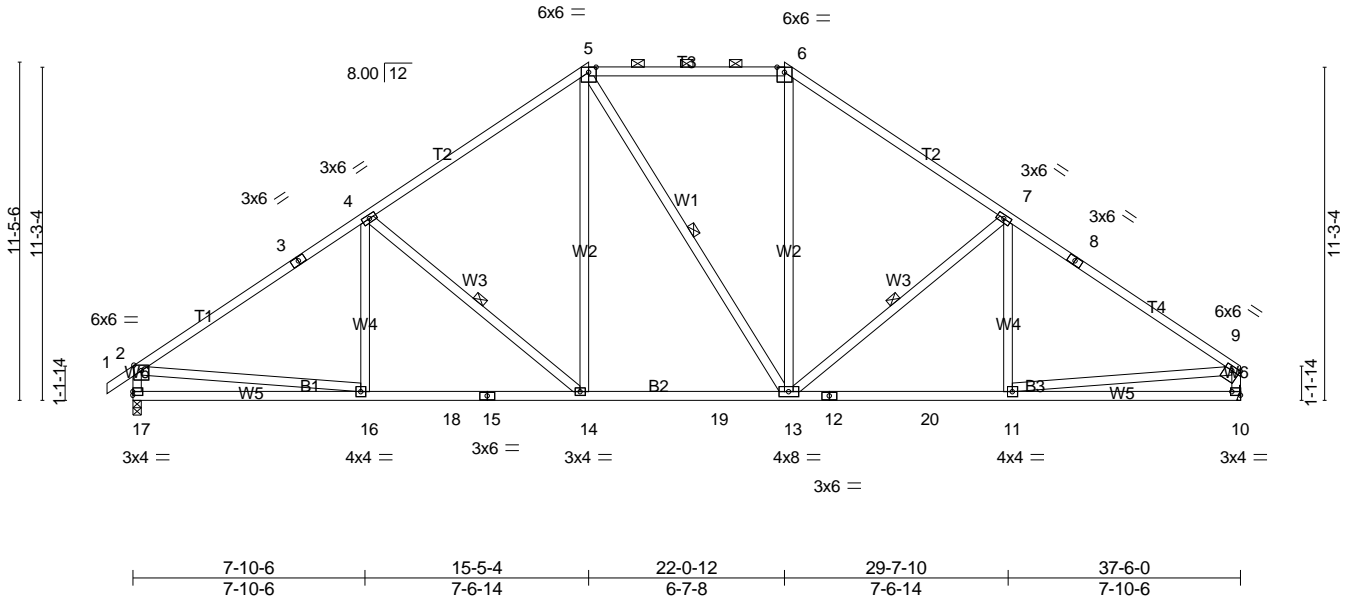


Plate Offsets (X,Y)-- [9:Edge,0-1-12], [10:Edge,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.97	Vert(LL) -0.13 13-14 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT) -0.24 13-14 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.56	Horz(CT) 0.06 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 243 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3 *Except*
 W1: 2x4 SP No.2 or 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-2 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-14, 5-13, 7-13

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

REACTIONS. (lb/size) 17=1550/0-3-8 (min. 0-2-7), 10=1487/Mechanical
 Max Horz 17=295(LC 9)
 Max Uplift 17=159(LC 12), 10=138(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2002/341, 3-4=-1794/369, 4-5=-1618/416, 5-6=-1239/407,
 6-7=-1620/417, 7-8=-1780/366, 8-9=-2001/337, 2-17=-1476/328,
 9-10=-1413/283
 BOT CHORD 16-17=-316/533, 16-18=-211/1707, 15-18=-211/1707, 14-15=-211/1707,
 14-19=-54/1290, 13-19=-54/1290, 12-13=-212/1571, 12-20=-212/1571,
 11-20=-212/1571
 WEBS 4-14=-528/245, 5-14=-72/590, 6-13=-47/529, 7-13=-541/249, 2-16=-55/1294,
 9-11=-132/1364

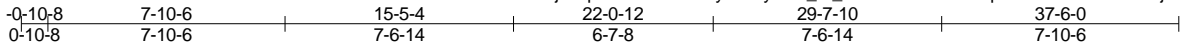
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=138.
 - 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) 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	Hicks Residence - Milltown
2000811-2000811A	AHD	Piggyback Base	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:44 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_n_MFDTFmRZmOhTp?F0bsR0sw5nO1fs1jfU?ZyXyW5qz



Scale = 1:76.4

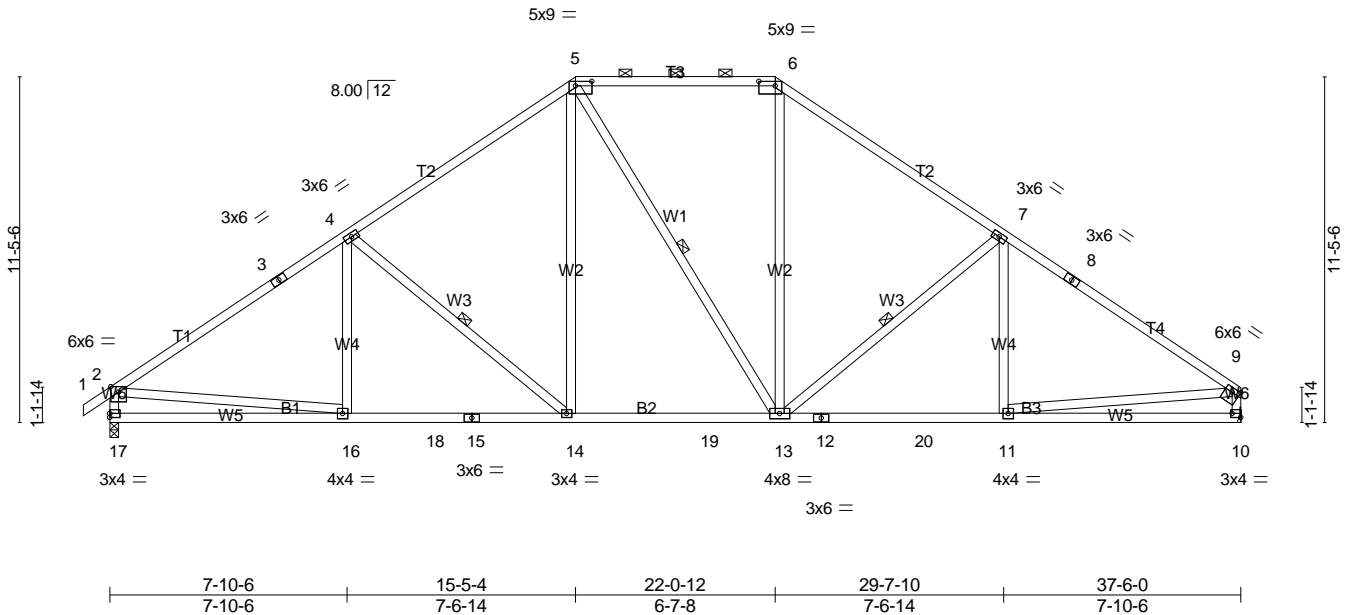


Plate Offsets (X,Y)-- [5:0-6-8,0-1-12], [6:0-6-8,0-1-12], [9:Edge,0-1-12], [10:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.98	Vert(LL)	-0.13 13-14	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.24 13-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.06 10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 243 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3 *Except*
 W1: 2x4 SP No.2 or 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-11 max.); 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-14, 5-13, 7-13

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

REACTIONS. (lb/size) 17=1550/0-3-8 (min. 0-2-7), 10=1487/Mechanical
 Max Horz 17=298(LC 11)
 Max Uplift 17=159(LC 12), 10=137(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2002/341, 3-4=-1795/369, 4-5=-1616/417, 5-6=-1227/408,
 6-7=-1618/418, 7-8=-1781/366, 8-9=-2001/337, 2-17=-1476/328,
 9-10=-1413/283
 BOT CHORD 16-17=-318/535, 16-18=-212/1709, 15-18=-212/1709, 14-15=-212/1709,
 14-19=-50/1280, 13-19=-50/1280, 12-13=-212/1571, 12-20=-212/1571,
 11-20=-212/1571
 WEBS 4-14=-545/249, 5-14=-74/601, 6-13=-51/540, 7-13=-557/253, 2-16=-57/1294,
 9-11=-133/1364

NOTES-

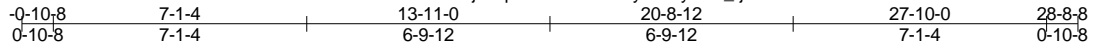
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=137.
- 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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	Hicks Residence - Milltown
2000811-2000811A	B	Common	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:46 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_jNU0e9H0zB06xmzOMRdKWRxKZa0C7nD07oUg1PyW5qx



4x6 ||

Scale: 3/16"=1'

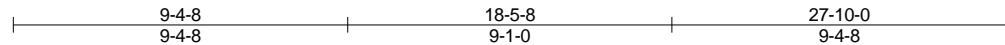
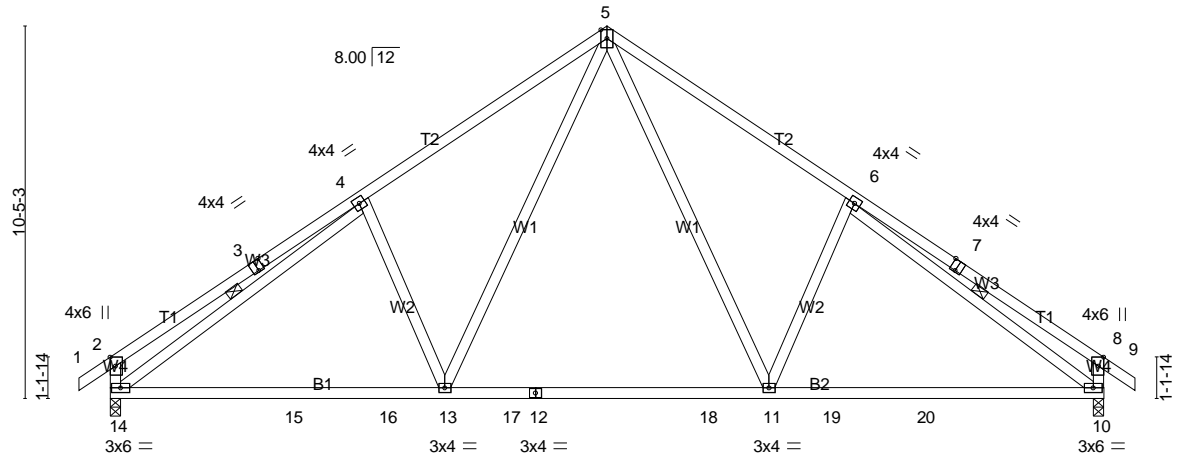


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-2-0,Edge], [7:0-2-0,Edge], [8:0-3-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.66	Vert(LL)	-0.23 11-13	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.89	Vert(CT)	-0.35 10-11	>947	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.05 10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 171 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-14, 6-10

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

REACTIONS. (lb/size) 14=1163/0-3-8 (min. 0-1-15), 10=1163/0-3-8 (min. 0-1-15)
 Max Horz 14=-278(LC 10)
 Max Uplift 14=-136(LC 12), 10=-136(LC 13)
 Max Grav 14=1229(LC 19), 10=1229(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-508/206, 3-4=-417/230, 4-5=-1400/368, 5-6=-1400/368, 6-7=-416/230, 7-8=-508/206, 2-14=-486/222, 8-10=-485/222
 BOT CHORD 14-15=-173/1314, 15-16=-173/1314, 13-16=-173/1314, 13-17=0/904, 12-17=0/904, 12-18=0/904, 11-18=0/904, 11-19=-108/1157, 19-20=-108/1157, 10-20=-108/1157
 WEBS 5-11=-162/689, 6-11=-330/287, 5-13=-162/689, 4-13=-330/287, 4-14=-1148/71, 6-10=-1148/71

NOTES-

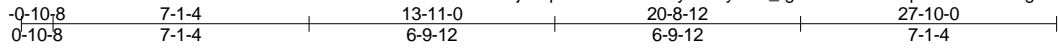
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 2000811-2000811A	Truss B1	Truss Type Common	Qty 2	Ply 1	Hicks Residence - Milltown Job Reference (optional)
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84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:48 2020 Page 1
ID:hjOMp88mnrQZrZEntyWViFyWSr_gmbm3rIHVoGqA46mUsfobs0g4OifbhFJa5zn5lyW5qv



4x6 ||

Scale: 3/16"=1'

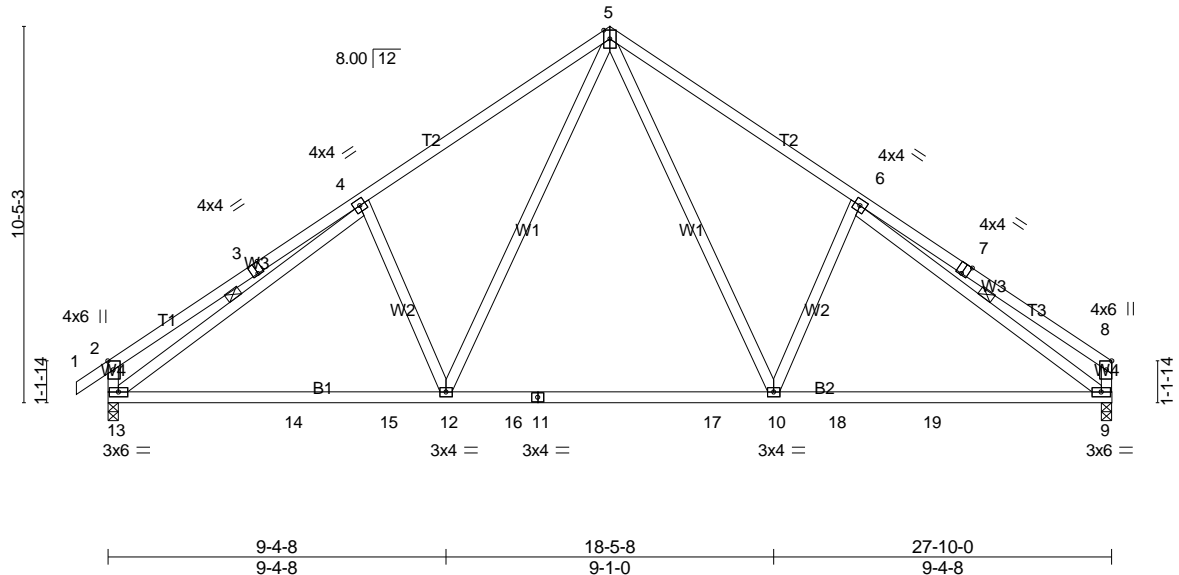


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-2-0,Edge], [7:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.66	Vert(LL)	-0.23 10-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.90	Vert(CT)	-0.35 9-10	>947	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.05 9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 170 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-13, 6-9

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

REACTIONS. (lb/size) 13=1164/0-3-8 (min. 0-1-15), 9=1101/0-3-8 (min. 0-1-13)
 Max Horz 13=272(LC 9)
 Max Uplift 13=-135(LC 12), 9=-114(LC 13)
 Max Grav 13=1230(LC 19), 9=1170(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-508/205, 3-4=-416/230, 4-5=-1402/368, 5-6=-1408/370, 6-7=-318/164,
 7-8=-419/139, 2-13=-485/222, 8-9=-367/149
 BOT CHORD 13-14=-184/1307, 14-15=-184/1307, 12-15=-184/1307, 12-16=-2/897,
 11-16=-2/897, 11-17=-2/897, 10-17=-2/897, 10-18=-148/1155,
 18-19=-148/1155, 9-19=-148/1155
 WEBS 5-10=-164/697, 6-10=-336/290, 5-12=-162/689, 4-12=-330/287,
 4-13=-1150/72, 6-9=-1208/140

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

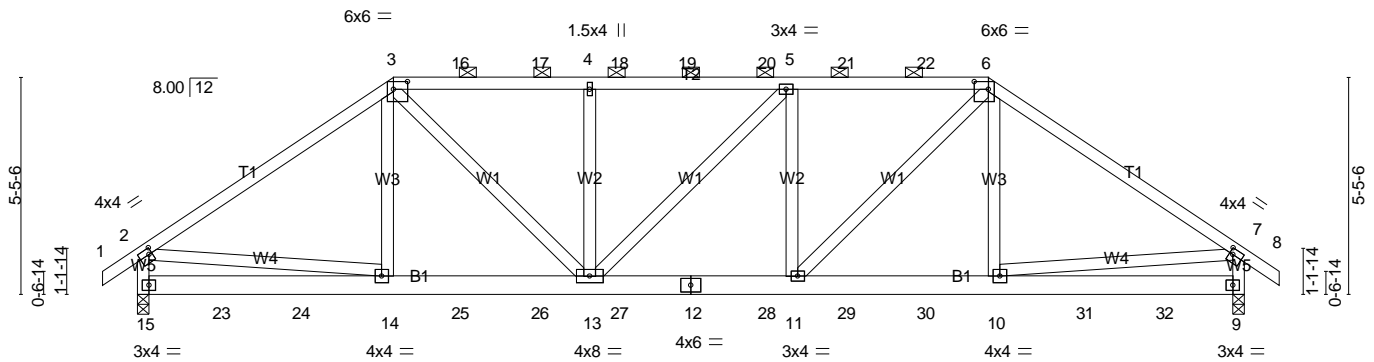
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	BH	Hip Girder	1	2	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:55 2020 Page 1
 ID:hjOMp88mnrQZrZEntywVfYWSr_-z6WPXE0gry8qW997OqHRNKpxpCF0kuRLBh9erOyW5sq

0-10-8	6-5-4	11-4-8	16-5-8	21-4-12	27-10-0	28-8-8
0-10-8	6-5-4	4-11-4	5-1-0	4-11-4	6-5-4	0-10-8

Scale = 1:57.9



2-0-12	4-0-12	6-0-12	6-5-4	11-4-8	16-5-8	21-4-12	21-9-423-9-4	25-9-4	27-10-0
2-0-12	2-0-0	2-0-0	0-4-8	4-11-4	5-1-0	4-11-4	0-4-8 2-0-0	2-0-0	2-0-12

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-4-4,0-2-4], [6:0-4-4,0-2-4], [7:0-1-0,0-1-12]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	0.08 11-13	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.25	Vert(CT)	-0.08 11-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.26	Horz(CT)	0.02 9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 382 lb	FT = 20%

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

REACTIONS. (lb/size) 15=1745/0-3-8 (min. 0-1-8), 9=1744/0-3-8 (min. 0-1-8)
 Max Horz 15=-152(LC 10)
 Max Uplift 15=-922(LC 12), 9=-921(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2114/1331, 3-16=-2192/1577, 16-17=-2192/1577, 4-17=-2192/1577, 4-18=-2192/1577, 18-19=-2192/1577, 19-20=-2192/1577, 5-20=-2192/1577, 5-21=-2195/1579, 21-22=-2195/1579, 6-22=-2195/1579, 6-7=-2112/1329, 2-15=-1555/962, 7-9=-1554/960
BOT CHORD 15-23=-313/535, 23-24=-313/535, 14-24=-313/535, 14-25=-1038/1704, 25-26=-1038/1704, 13-26=-1038/1704, 13-27=-1407/2241, 12-27=-1407/2241, 12-28=-1407/2241, 11-28=-1407/2241, 11-29=-975/1650, 29-30=-975/1650, 10-30=-975/1650, 10-31=-261/445, 31-32=-261/445, 9-32=-261/445
WEBS 3-14=-102/280, 3-13=-663/852, 4-13=-434/442, 5-11=-456/463, 6-11=-668/858, 6-10=-98/277, 2-14=-924/1404, 7-10=-927/1402

- NOTES-**
- 2-ply truss to be connected together with 10d (0.120"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.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 15, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Two H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 9. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	BH	Hip Girder	1	2	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:55 2020 Page 2
 ID:hjOMp88mnrQZrZEntywViFyWSr_-z6WPXE0gry8qW997OqHRNKpXPFOkuRLBh9erOyW5sq

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 162 lb up at 8-0-12, 120 lb down and 162 lb up at 10-0-12, 120 lb down and 162 lb up at 12-0-12, 120 lb down and 162 lb up at 13-9-4, 120 lb down and 162 lb up at 15-9-4, and 120 lb down and 162 lb up at 17-9-4, and 120 lb down and 162 lb up at 19-9-4 on top chord, and 120 lb down and 89 lb up at 2-0-12, 120 lb down and 102 lb up at 4-0-12, 169 lb down and 143 lb up at 6-0-12, 45 lb down and 40 lb up at 8-0-12, 45 lb down and 40 lb up at 10-0-12, 45 lb down and 40 lb up at 12-0-12, 45 lb down and 40 lb up at 13-9-4, 45 lb down and 40 lb up at 15-9-4, 45 lb down and 40 lb up at 17-9-4, 45 lb down and 40 lb up at 19-9-4, 169 lb down and 143 lb up at 21-9-4, and 120 lb down and 102 lb up at 23-9-4, and 120 lb down and 89 lb up at 25-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-60, 3-6=-60, 6-7=-60, 7-8=-60, 9-15=-20

Concentrated Loads (lb)

Vert: 12=-23(F) 14=-120(F) 10=-120(F) 16=-40(F) 17=-40(F) 18=-40(F) 19=-40(F) 20=-40(F) 21=-40(F) 22=-40(F) 23=-120(F) 24=-120(F) 25=-23(F) 26=-23(F) 27=-23(F) 28=-23(F) 29=-23(F) 30=-23(F) 31=-120(F) 32=-120(F)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	BH1	Hip	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:57 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-vUeAyywPwNZOYITIVFKvSluGZ0nhCfyef?elwGyW5qm

-0-10-8	4-10-6	9-5-4	13-11-0	18-4-12	22-11-10	27-10-0	28-8-8
0-10-8	4-10-6	4-6-14	4-5-12	4-5-12	4-6-14	4-10-6	0-10-8

Scale = 1:56.8

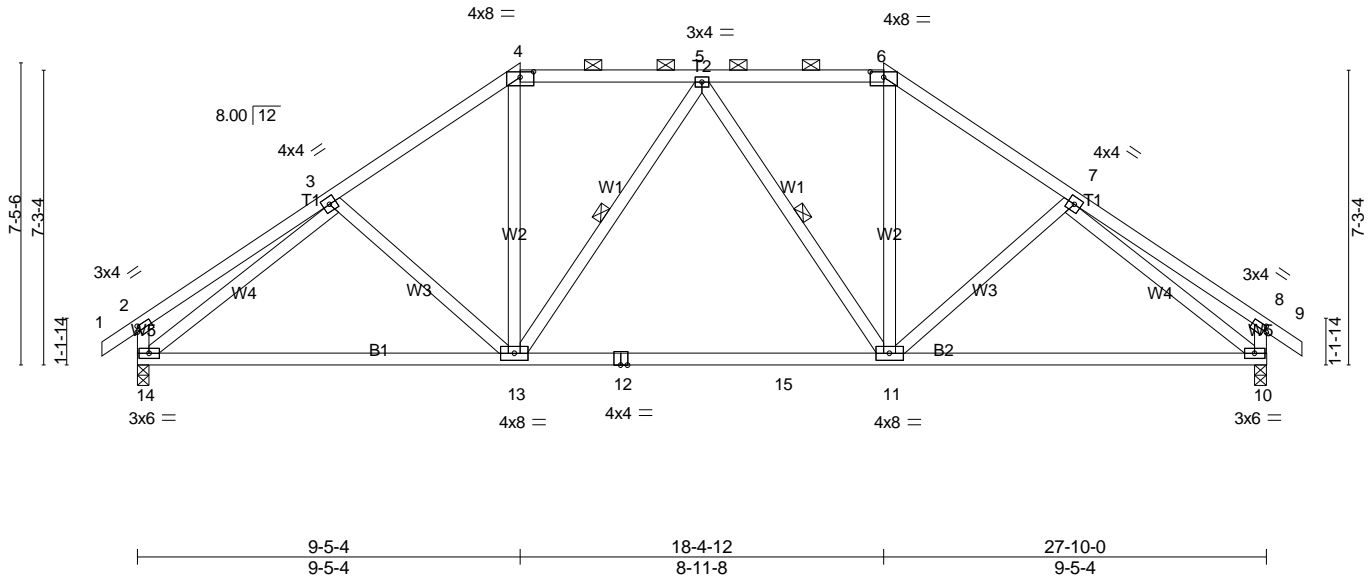


Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [4:0-4-0,0-1-9], [6:0-4-0,0-1-9], [8:0-1-0,0-1-8]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.48	Vert(LL) -0.30 11-13 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(CT) -0.40 11-13 >830 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.05 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 173 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-9 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-13, 5-11

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

REACTIONS. (lb/size) 14=1163/0-3-8 (min. 0-1-13), 10=1163/0-3-8 (min. 0-1-13)
 Max Horz 14=-202(LC 10)
 Max Uplift 14=-108(LC 12), 10=-108(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-315/119, 3-4=-1264/298, 4-5=-986/286, 5-6=-986/286, 6-7=-1264/298,
 7-8=-315/119, 2-14=-322/142, 8-10=-322/142
 BOT CHORD 13-14=-155/1050, 12-13=-92/1089, 12-15=-92/1089, 11-15=-92/1089,
 10-11=-151/1050
 WEBS 4-13=-50/422, 5-13=-269/161, 5-11=-269/160, 6-11=-50/422, 3-14=-1154/211,
 7-10=-1154/211

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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	Hicks Residence - Milltown
2000811-2000811A	BH2	Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:55:59 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_rtmwNbRAvAFg?mSudgMNYA_b9qY9ggcw6J7s_9yW5qk

-0-10-8	6-4-6	12-5-4	15-4-12	21-5-10	27-10-0	28-8-8
0-10-8	6-4-6	6-0-14	2-11-8	6-0-14	6-4-6	0-10-8

Scale = 1:59.0

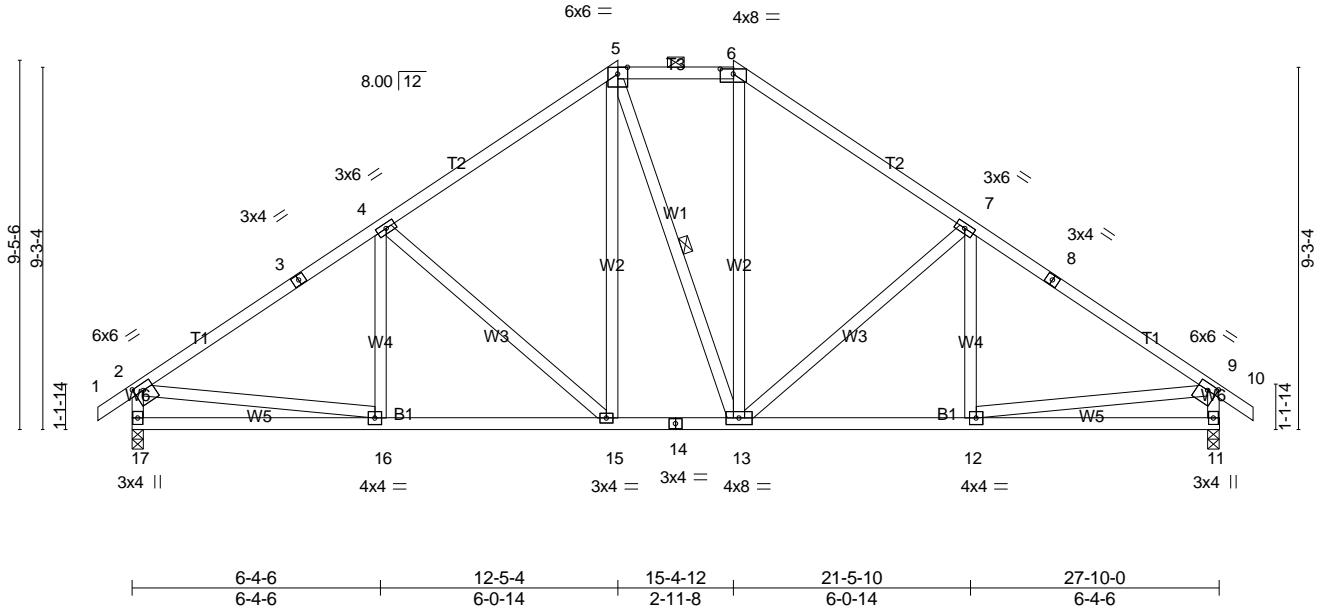


Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [6:0-4-0,0-1-9], [9:0-2-12,0-2-0]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.54	Vert(LL) -0.04 15 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.45	Vert(CT) -0.10 15-16 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.03 11 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 190 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-13

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

REACTIONS. (lb/size) 17=1163/0-3-8 (min. 0-1-13), 11=1163/0-3-8 (min. 0-1-13)
 Max Horz 17=-251(LC 10)
 Max Uplift 17=-129(LC 12), 11=-129(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1413/240, 3-4=-1226/263, 4-5=-1118/305, 5-6=-838/302, 6-7=-1119/305,
 7-8=-1226/263, 8-9=-1412/240, 2-17=-1103/254, 9-11=-1103/254
 BOT CHORD 16-17=-242/376, 15-16=-140/1101, 14-15=-1/837, 13-14=-1/837,
 12-13=-105/1092
 WEBS 4-15=-387/193, 5-15=-74/336, 6-13=-58/337, 7-13=-386/192, 2-16=-39/907,
 9-12=-40/906

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 11. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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	Hicks Residence - Milltown
2000811-2000811A	C	Common	3	1	Job Reference (optional)

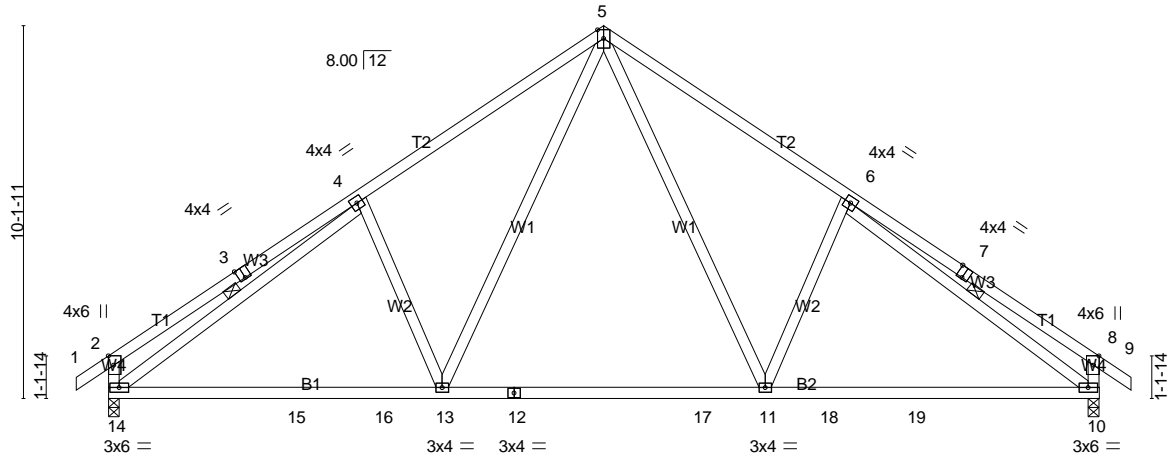
84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:01 2020 Page 1
ID:hjOMp88mnrQZrZEntyVIFyWSr_nGuhoHSQRov_E4cGk5Ordb3vVd9n8aYDZdcz32yW5qj

0-10-8 6-10-10 13-5-12 20-0-14 26-11-8 27-10-0
0-10-8 6-10-10 6-7-2 6-7-2 6-10-10 0-10-8

4x6 ||

Scale = 1:62.7



9-1-0 17-10-8 26-11-8
9-1-0 8-9-8 9-1-0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.83	Vert(LL) -0.20 11-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.42	Vert(CT) -0.31 10-11 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.04 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 166 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 6-10

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

REACTIONS. (lb/size) 14=1128/0-3-8 (min. 0-1-14), 10=1128/0-3-8 (min. 0-1-14)
Max Horz 14=270(LC 11)
Max Uplift 14=-132(LC 12), 10=-132(LC 13)
Max Grav 14=1181(LC 19), 10=1182(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-477/197, 3-4=-393/220, 4-5=-1336/356, 5-6=-1338/356, 6-7=-393/220, 7-8=-477/196, 2-14=-464/215, 8-10=-463/215
BOT CHORD 14-15=-166/1255, 15-16=-166/1255, 13-16=-166/1255, 12-13=0/866, 12-17=0/866, 11-17=0/866, 11-18=-104/1104, 18-19=-104/1104, 10-19=-104/1104
WEBS 5-11=-156/657, 6-11=-316/278, 5-13=-156/653, 4-13=-316/278, 4-14=-1105/72, 6-10=-1107/72

NOTES-

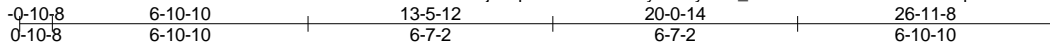
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	C1	Common	2	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:02 2020 Page 1
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4x6 ||

Scale = 1:62.0

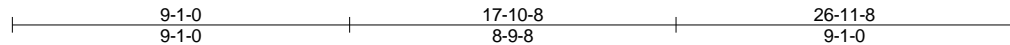
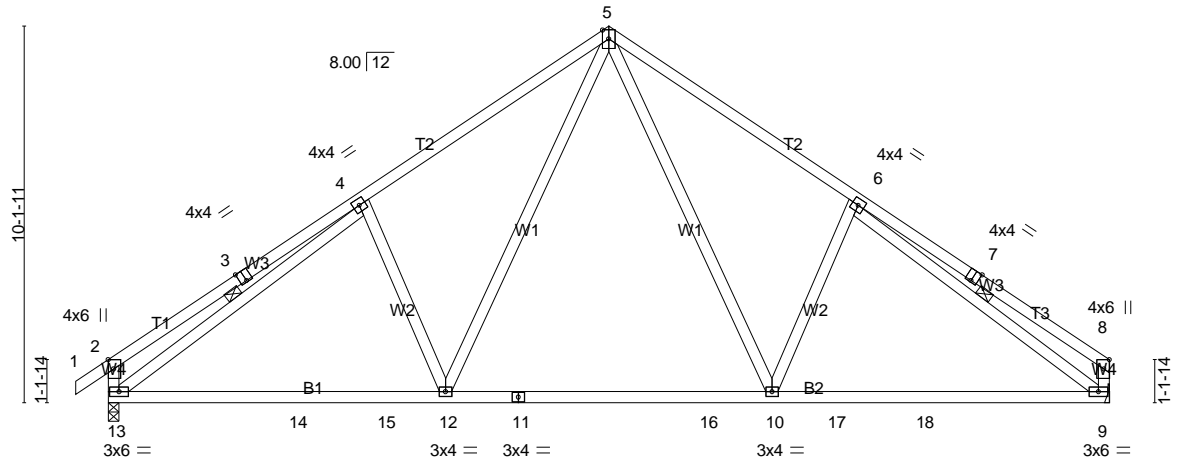


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [3:0-2-0,Edge], [7:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.83	Vert(LL) -0.20 10-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.44	Vert(CT) -0.31 9-10 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.04 9 n/a n/a		
	Code IRC2015/TPI2014			Weight: 165 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-13, 6-9

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

REACTIONS. (lb/size) 13=1129/0-3-8 (min. 0-1-14), 9=1065/Mechanical
 Max Horz 13=265(LC 11)
 Max Uplift 13=-132(LC 12), 9=-110(LC 13)
 Max Grav 13=1182(LC 19), 9=1124(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-477/196, 3-4=-392/220, 4-5=-1337/356, 5-6=-1345/358, 6-7=-301/158, 7-8=-395/133, 2-13=-464/215, 8-9=-349/143
 BOT CHORD 13-14=-177/1248, 14-15=-177/1248, 12-15=-177/1248, 11-12=-1/859, 11-16=-1/859, 10-16=-1/859, 10-17=-144/1102, 17-18=-144/1102, 9-18=-144/1102
 WEBS 5-10=-159/665, 6-10=-323/281, 5-12=-157/654, 4-12=-317/278, 4-13=-1107/72, 6-9=-1162/137

NOTES-

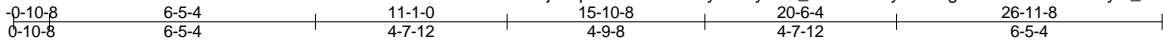
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=110.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. This connection is for uplift only and does not consider lateral forces.
- 8) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	CH	Hip Girder	1	2	Job Reference (optional)

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8,400 s Apr 7 2020 MITek Industries, Inc. Tue Oct 6 15:56:13 2020 Page 1
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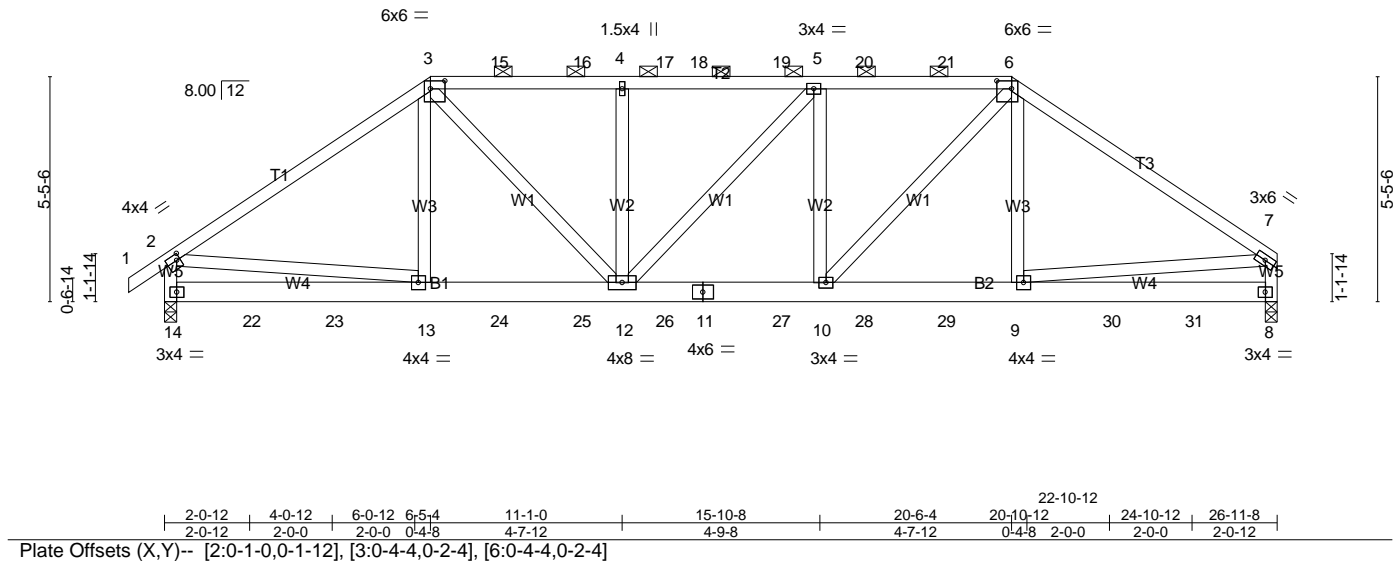


Plate Offsets (X,Y)-- [2:0-1,0,0-1-12], [3:0-4,4,0-2-4], [6:0-4,4,0-2-4]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.43	Vert(LL) 0.07 10-12 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(CT) -0.08 10-12 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.27	Horz(CT) 0.02 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 370 lb FT = 20%

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

REACTIONS. (lb/size) 14=1712/0-3-8 (min. 0-1-8), 8=1646/0-3-8 (min. 0-1-8)
 Max Horz 14=146(LC 11)
 Max Uplift 14=925(LC 12), 8=897(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2064/1324, 3-15=-2110/1554, 15-16=-2110/1554, 4-16=-2110/1554, 4-17=-2110/1554, 17-18=-2110/1554, 18-19=-2110/1554, 5-19=-2110/1554, 5-20=-2103/1544, 20-21=-2103/1544, 6-21=-2103/1544, 6-7=-2057/1310, 2-14=-1522/957, 7-8=-1455/906
 BOT CHORD 14-22=-327/528, 22-23=-327/528, 13-23=-327/528, 13-24=-1037/1670, 24-25=-1037/1670, 12-25=-1037/1670, 12-26=-1404/2143, 11-26=-1404/2143, 11-27=-1404/2143, 10-27=-1404/2143, 10-28=-1004/1612, 28-29=-1004/1612, 9-29=-1004/1612, 9-30=-206/348, 30-31=-206/348, 8-31=-206/348
 WEBS 3-13=-101/277, 3-12=-660/818, 4-12=-429/456, 5-10=-440/466, 6-10=-658/813, 6-9=-88/271, 2-13=-915/1370, 7-9=-893/1389

- NOTES-**
- 2-ply truss to be connected together with 10d (0.120"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.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Two H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 8. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	CH	Hip Girder	1	2	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:13 2020 Page 2
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NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 162 lb up at 8-0-12, 120 lb down and 162 lb up at 10-0-12, 120 lb down and 162 lb up at 12-0-12, 120 lb down and 162 lb up at 12-10-12, 120 lb down and 162 lb up at 14-10-12, and 120 lb down and 162 lb up at 16-10-12, and 120 lb down and 162 lb up at 18-10-12 on top chord, and 120 lb down and 89 lb up at 2-0-12, 120 lb down and 102 lb up at 4-0-12, 169 lb down and 143 lb up at 6-0-12, 45 lb down and 40 lb up at 8-0-12, 45 lb down and 40 lb up at 10-0-12, 45 lb down and 40 lb up at 12-0-12, 45 lb down and 40 lb up at 12-10-12, 45 lb down and 40 lb up at 14-10-12, 45 lb down and 40 lb up at 16-10-12, 45 lb down and 40 lb up at 18-10-12, 169 lb down and 143 lb up at 20-10-12, and 120 lb down and 102 lb up at 22-10-12, and 120 lb down and 89 lb up at 24-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-60, 3-6=-60, 6-7=-60, 8-14=-20

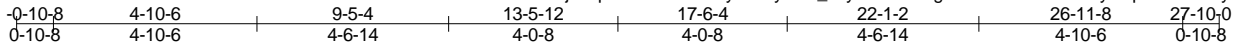
Concentrated Loads (lb)

Vert: 11=-23(B) 13=-120(B) 9=-120(B) 15=-40(B) 16=-40(B) 17=-40(B) 18=-40(B) 19=-40(B) 20=-40(B) 21=-40(B) 22=-120(B) 23=-120(B) 24=-23(B) 25=-23(B) 26=-23(B) 27=-23(B) 28=-23(B) 29=-23(B) 30=-120(B) 31=-120(B)

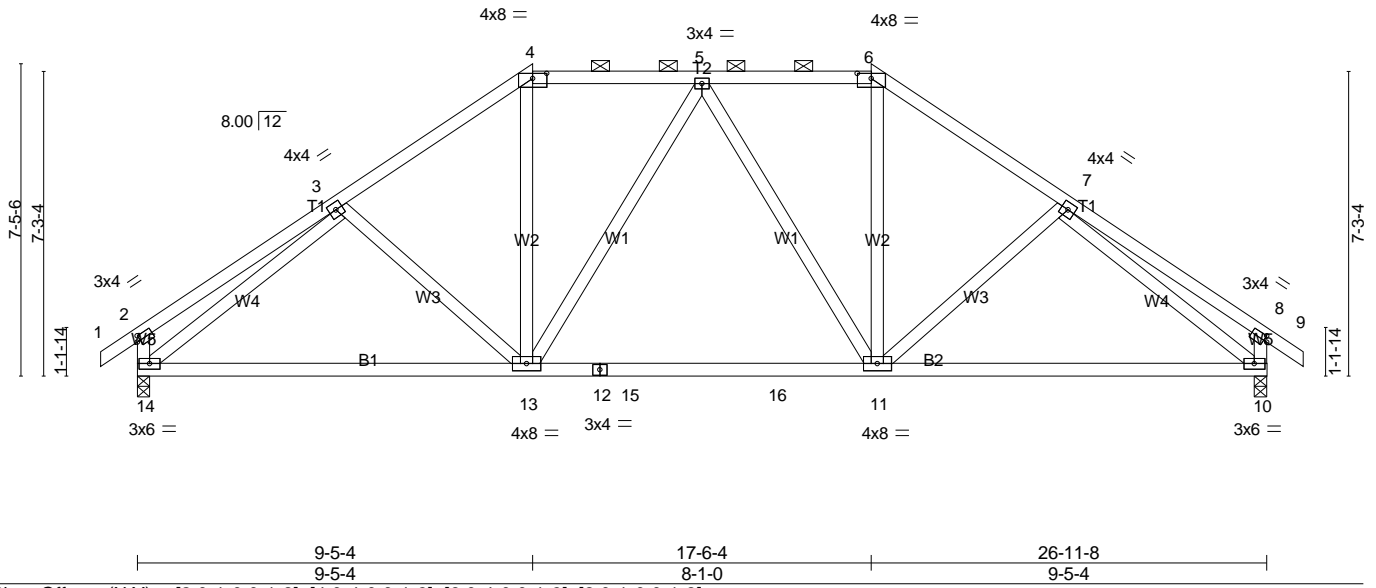
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	CH1	Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:15 2020 Page 1
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Scale = 1:55.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.76	Vert(LL) -0.20 11-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.80	Vert(CT) -0.35 13-14 >904 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.04 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 169 lb FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-2 max.): 4-6.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

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

REACTIONS. (lb/size) 14=1128/0-3-8 (min. 0-1-12), 10=1128/0-3-8 (min. 0-1-12)
 Max Horz 14=202(LC 11)
 Max Uplift 14=-108(LC 12), 10=-108(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-317/115, 3-4=-1206/289, 4-5=-937/278, 5-6=-937/278, 6-7=-1206/289, 7-8=-317/115, 2-14=-322/139, 8-10=-322/140
 BOT CHORD 13-14=-149/1009, 12-13=-76/1021, 12-15=-76/1021, 15-16=-76/1021, 11-16=-76/1021, 10-11=-144/1009
 WEBS 4-13=-49/400, 6-11=-50/400, 3-14=-1098/206, 7-10=-1098/205

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) 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

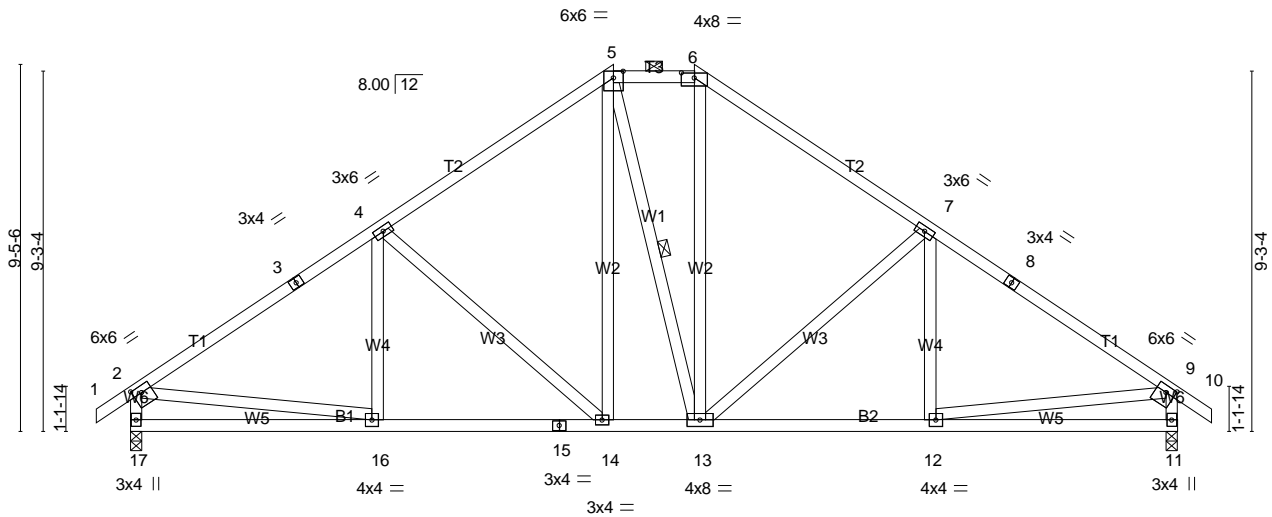
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	CH2	Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:17 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-JLsk9lTgiwj9XqLgShbGzjfi4iRuo_af6Upd6yW5qS

0-10-8	6-4-6	12-5-4	14-6-4	20-7-2	26-11-8	27-10-0
0-10-8	6-4-6	6-0-14	2-1-0	6-0-14	6-4-6	0-10-8

Scale = 1:59.3



6-4-6	12-5-4	14-6-4	20-7-2	26-11-8
6-4-6	6-0-14	2-1-0	6-0-14	6-4-6

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [6:0-4-0,0-1-9], [9:0-2-12,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.53	Vert(LL)	-0.04 16-17	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.45	Vert(CT)	-0.10 14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.03 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 187 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-13

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

REACTIONS. (lb/size) 17=1128/0-3-8 (min. 0-1-12), 11=1128/0-3-8 (min. 0-1-12)
 Max Horz 17=251(LC 11)
 Max Uplift 17=-127(LC 12), 11=-127(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1361/230, 3-4=-1175/252, 4-5=-1061/294, 5-6=-808/293, 6-7=-1062/294,
 7-8=-1174/252, 8-9=-1361/230, 2-17=-1068/247, 9-11=-1068/247
 BOT CHORD 16-17=-242/375, 15-16=-138/1072, 14-15=-138/1072, 13-14=0/790,
 12-13=-97/1050
 WEBS 4-14=-392/192, 5-14=-78/328, 6-13=-69/329, 7-13=-389/192, 2-16=-31/866,
 9-12=-32/864

NOTES-

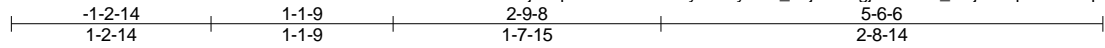
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 11. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

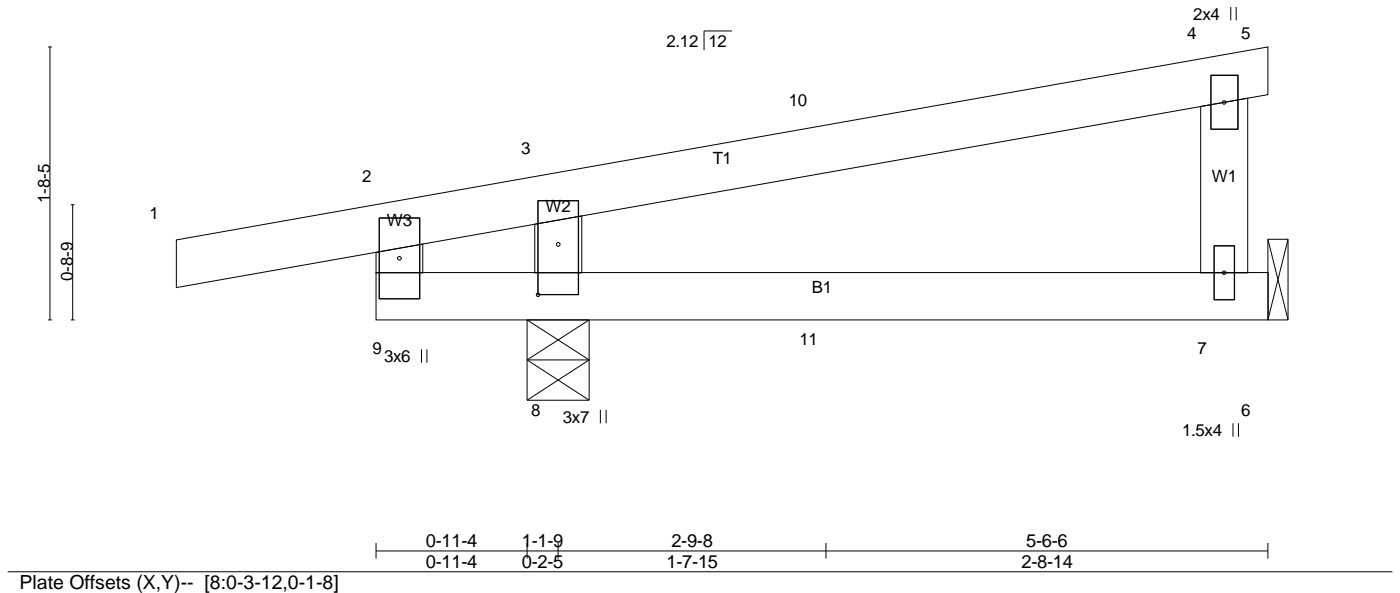
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	CJ1	Diagonal Hip Girder	3	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:19 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_GjzUZRgjBKAROr_kotj3MOp2nuP3MpvtiQzwi?yW5qQ



Scale = 1:14.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.37	Vert(LL) -0.04 7-8 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) 0.04 7-8 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) -0.00 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=79/Mechanical, 8=290/0-4-10 (min. 0-1-8)
 Max Horz 8=53(LC 11)
 Max Uplift 7=-17(LC 12), 8=-128(LC 8)
 Max Grav 7=89(LC 43), 8=290(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 94 lb up at 2-9-8, and 81 lb down and 94 lb up at 2-9-8 on top chord, and 3 lb down and 63 lb up at 2-9-8, and 3 lb down and 63 lb up at 2-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-5=-20, 6-9=-20
 Concentrated Loads (lb)
 Vert: 10=64(F=32, B=32) 11=70(F=35, B=35)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	D	Piggyback Base	6	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:20 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWsr_-kwXsnhLydlH0?ZwMaEluL9ZHfo54C0x4jTERyW5qP

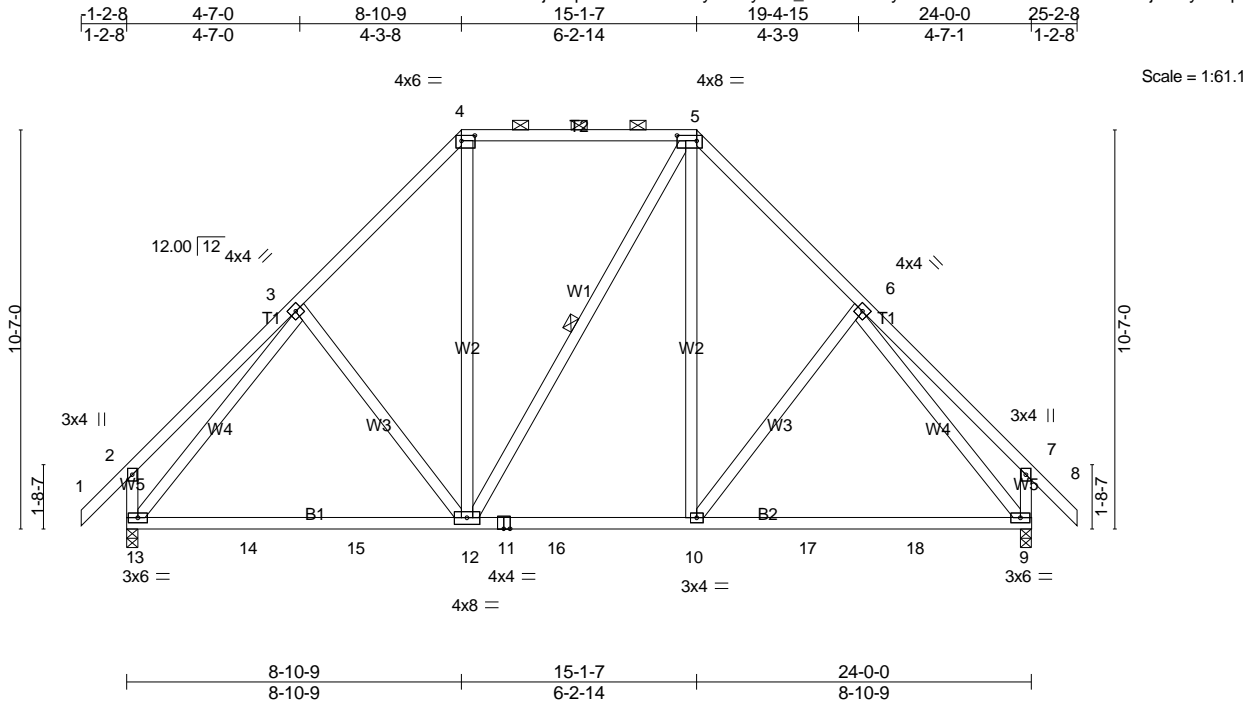


Plate Offsets (X,Y)-- [4:0-4-4,0-1-12], [5:0-6-4,0-1-12]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.62	Vert(LL) -0.17 9-10 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.73	Vert(CT) -0.35 9-10 >806 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.80	Horz(CT) 0.02 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 180 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5. Rigid ceiling directly applied or 10-0-0 oc bracing.
 BOT CHORD 1 Row at midpt
 WEBS 5-12

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

REACTIONS. (lb/size) 13=1030/0-3-8 (min. 0-1-10), 9=1030/0-3-8 (min. 0-1-10)
 Max Horz 13=-305(LC 10)
 Max Uplift 13=-88(LC 12), 9=-88(LC 13)
 Max Grav 13=1033(LC 2), 9=1043(LC 2)

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

TOP CHORD 2-3=-306/193, 3-4=-851/298, 4-5=-568/273, 5-6=-864/298, 6-7=-306/193, 2-13=-363/209, 7-9=-363/209
 BOT CHORD 13-14=-173/705, 14-15=-173/705, 12-15=-173/705, 11-12=-36/587, 11-16=-36/587, 10-16=-36/587, 10-17=-23/577, 17-18=-23/577, 9-18=-23/577
 WEBS 4-12=-65/317, 5-10=-92/386, 3-13=-806/76, 6-9=-805/76

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

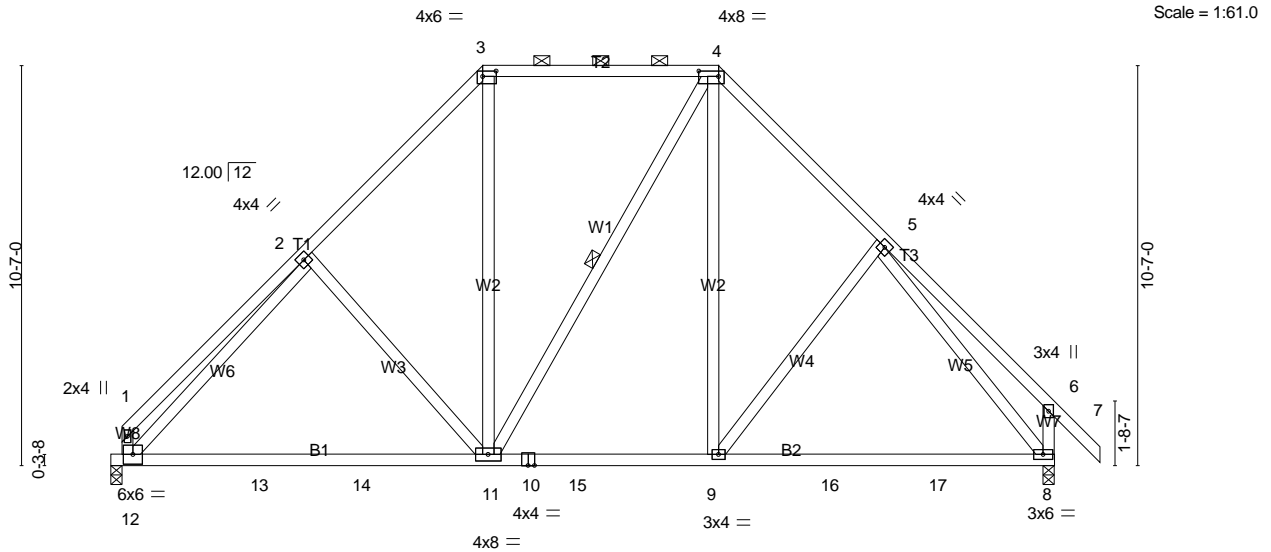
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	D1	Piggyback Base	6	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:22 2020 Page 1
 ID:hjOMp88mnrQZrZEntyWViFyWSr_glfcdCTjcUFY?FJjJT?Gmz1RV_5K_ZzBJOOCalkyW5qN

-0-3-8	4-11-0	9-6-9	15-9-7	20-1-0	24-8-0	25-10-8
0-3-8	4-11-0	4-7-9	6-2-14	4-3-9	4-7-1	1-2-8



-0-3-8	9-6-9	15-9-7	24-8-0
0-3-8	9-6-9	6-2-14	8-10-9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.62	Vert(LL) -0.22	11-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.81	Vert(CT) -0.45	11-12	>648	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.02	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS						
							Weight: 180 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-9 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-11

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

REACTIONS. (lb/size) 12=973/0-3-8 (min. 0-1-9), 8=1059/0-3-8 (min. 0-1-11)
 Max Horz 12=-285(LC 8)
 Max Uplift 12=-67(LC 12), 8=-89(LC 13)
 Max Grav 12=980(LC 2), 8=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-465/133, 2-3=-917/302, 3-4=-604/279, 4-5=-896/305, 5-6=-308/193,
 1-12=-401/126, 6-8=-364/208
 BOT CHORD 12-13=-174/805, 13-14=-174/805, 11-14=-174/805, 10-11=-34/608,
 10-15=-34/608, 9-15=-34/608, 9-16=-26/597, 16-17=-26/597, 8-17=-26/597
 WEBS 2-11=-270/253, 3-11=-64/353, 4-9=-95/378, 2-12=-734/143, 5-8=-839/81

NOTES-

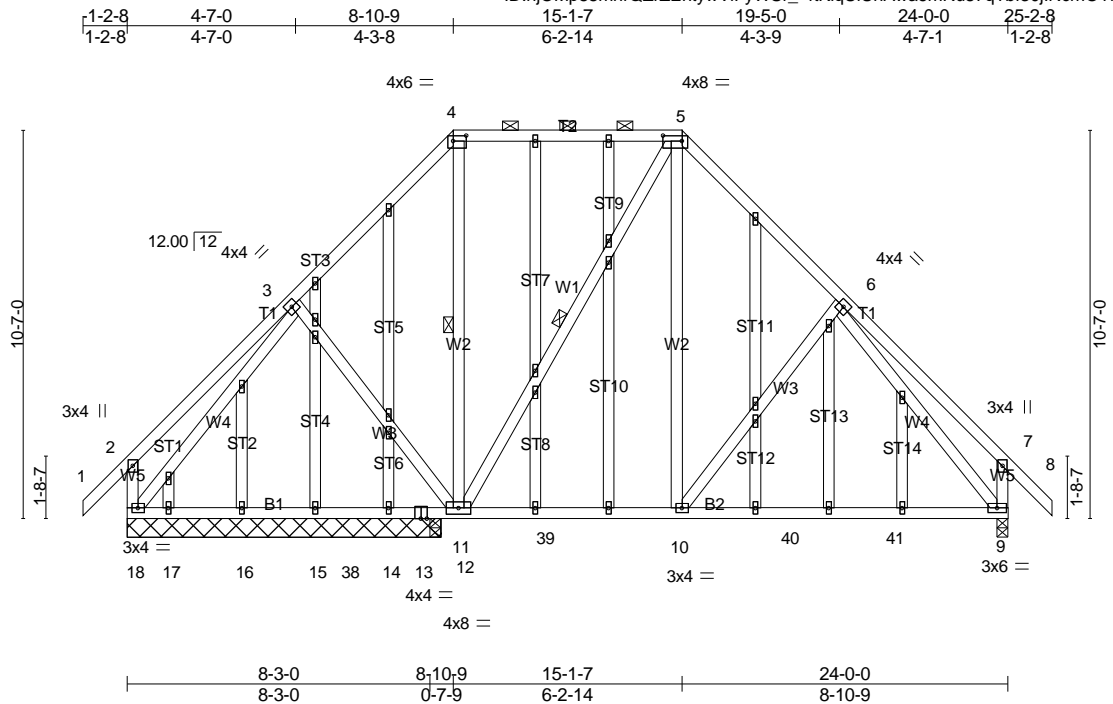
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12. This connection is for uplift only and does not consider lateral forces.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) 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	Hicks Residence - Milltown
2000811-2000811A	DE	Piggyback Base Structural Gable COMMON	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:25 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-4tKlqUlUnAwa6mRu87qTbf30jINcmOY15MQEvfyW5qk



Scale = 1:62.8

Plate Offsets (X,Y)-- [4:0-4-4,0-1-12], [5:0-6-4,0-1-12]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.59	Vert(LL) -0.16 9-10 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT) -0.31 9-10 >595 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.60	Horz(CT) 0.02 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 262 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-11, 5-11

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

REACTIONS.

All bearings 8-6-8 except (jt=length) 9=0-3-8, 12=0-3-8.
 (lb) - Max Horz 18=305(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 9 except 18=109(LC 12), 14=189(LC 2), 12=101(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 17 except 18=660(LC 1), 9=864(LC 2), 12=607(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-461/258, 4-5=-348/245, 5-6=-653/271, 6-7=-293/194, 2-18=-298/232, 7-9=-350/209
 BOT CHORD 17-18=-180/459, 16-17=-180/459, 15-16=-180/459, 15-38=-180/459, 14-38=-180/459, 13-14=-180/459, 12-13=-180/459, 11-12=-180/459, 11-39=-35/451, 10-39=-35/451, 10-40=-5/448, 40-41=-5/448, 9-41=-5/448
 WEBS 5-11=-332/67, 5-10=-81/451, 3-18=-528/56, 6-9=-607/43

NOTES-

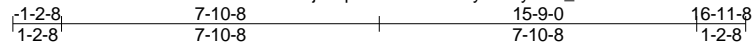
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18, 9, and 14. This connection is for uplift only and does not consider lateral forces.
- One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	EE	Common Supported Gable	1	1	Job Reference (optional)

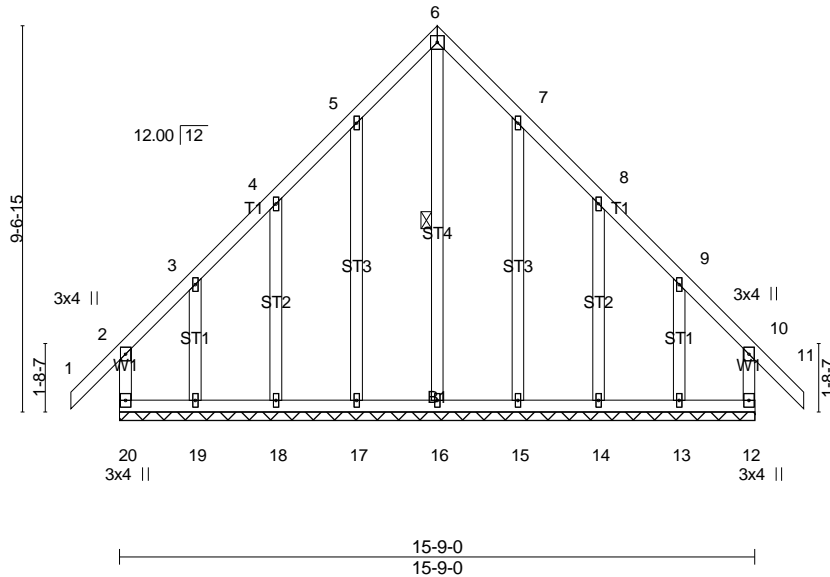
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:27 2020 Page 1
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4x4 =

Scale = 1:57.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.17	Vert(LL) -0.01 11 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.20	Vert(CT) -0.01 11 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 124 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-16

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

REACTIONS.

All bearings 15-9-0.
 (lb) - Max Horz 20=279(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 18, 15, 14 except 20=-198(LC 8), 12=-184(LC 9), 17=-100(LC 12), 19=-193(LC 12), 13=-190(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 17, 18, 15, 14 except 20=271(LC 20), 12=260(LC 19), 16=386(LC 13), 19=280(LC 10), 13=271(LC 11)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-5=-203/282, 5-6=-283/373, 6-7=-283/373, 7-8=-203/281
 WEBS 6-16=-454/274

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 20, 12, 17, 18, 19, 15, 14, and 13. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	GE	Common Supported Gable	1	1	Job Reference (optional)

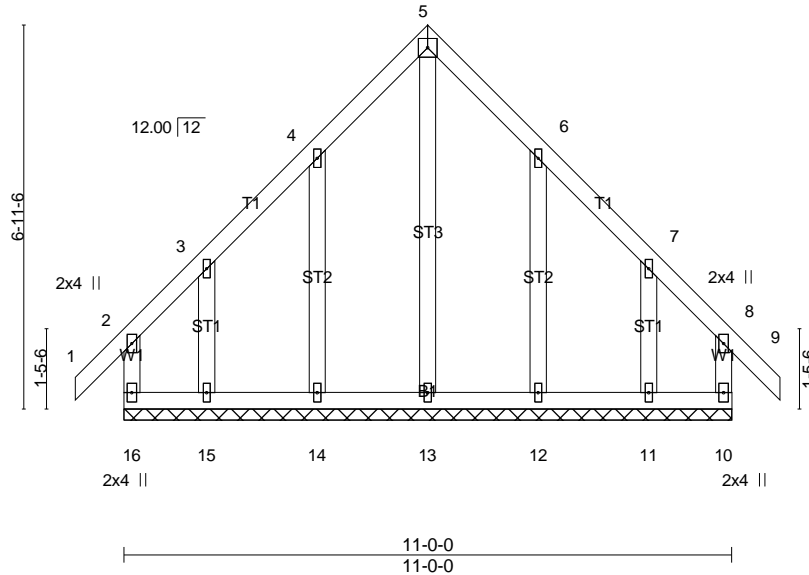
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:29 2020 Page 1
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-0-10-8 5-6-0 | 11-0-0 11-10-8
 0-10-8 5-6-0 | 5-6-0 0-10-8

4x4 =

Scale = 1:41.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) -0.00 9 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.25	Vert(CT) -0.00 9 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) -0.00 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

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

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

REACTIONS.

All bearings 11-0-0.
 (lb) - Max Horz 16--203(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 14, 12 except 16--140(LC 8), 10--128(LC 9), 15--162(LC 12), 11--160(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-5--195/261, 5-6--195/260
 WEBS 5-13--301/154

NOTES-

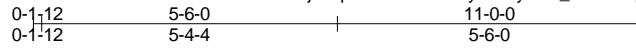
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 10, 14, 15, 12, and 11. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	GR1	Common Girder	1	3	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:31 2020 Page 1
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4x4 ||

Scale = 1:41.7

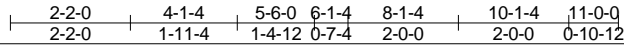
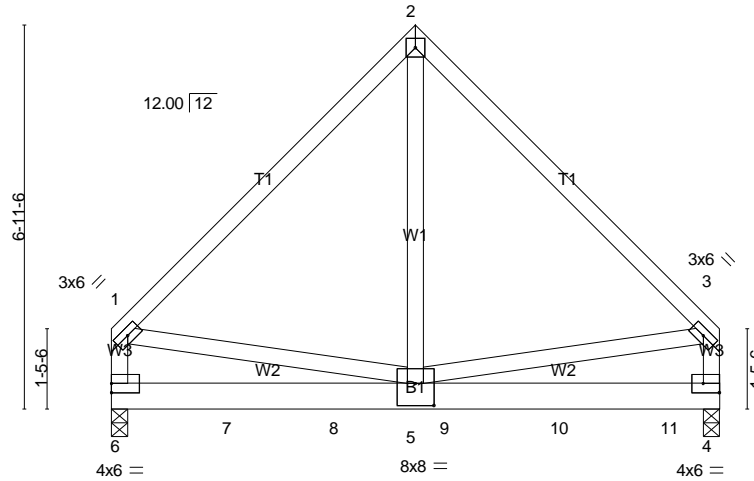


Plate Offsets (X,Y)-- [4:Edge,0-2-0], [5:0-4-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	Vert(LL)	0.05	5-6	>999	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.43	Vert(CT)	-0.09	5-6	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.60	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS						
	Code IRC2015/TPI2014							
							Weight: 230 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP DSS
 WEBS 2x4 SP No.3

BRACING-

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

REACTIONS. (lb/size) 6=4433/0-3-8 (min. 0-2-5), 4=4687/0-3-8 (min. 0-2-7)
 Max Horz 6=-174(LC 31)
 Max Uplift 6=-928(LC 13), 4=-638(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-3409/648, 2-3=-3408/647, 1-6=-2911/519, 3-4=-2889/565
 BOT CHORD 6-7=-361/652, 7-8=-361/652, 5-8=-361/652, 5-9=-117/495, 9-10=-117/495, 10-11=-117/495,
 4-11=-117/495
 WEBS 2-5=-736/4354, 1-5=-294/1767, 3-5=-436/1896

NOTES-

- 3-ply truss to be connected together with 10d (0.120"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Two H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2343 lb down and 770 lb up at 2-2-0, 1467 lb down and 228 lb up at 4-1-4, 1467 lb down and 228 lb up at 6-1-4, and 1467 lb down and 158 lb up at 8-1-4, and 1470 lb down and 155 lb up at 10-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-60, 4-6=-20

Job	Truss	Truss Type	Qty	Ply	
2000811-2000811A	GR1	Common Girder	1	3	Hicks Residence - Milltown Job Reference (optional)

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-48 7=-2343(B) 8=-1467(B) 9=-1467(B) 10=-1467(B) 11=-1470(B)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	H	Common	2	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:33 2020 Page 1
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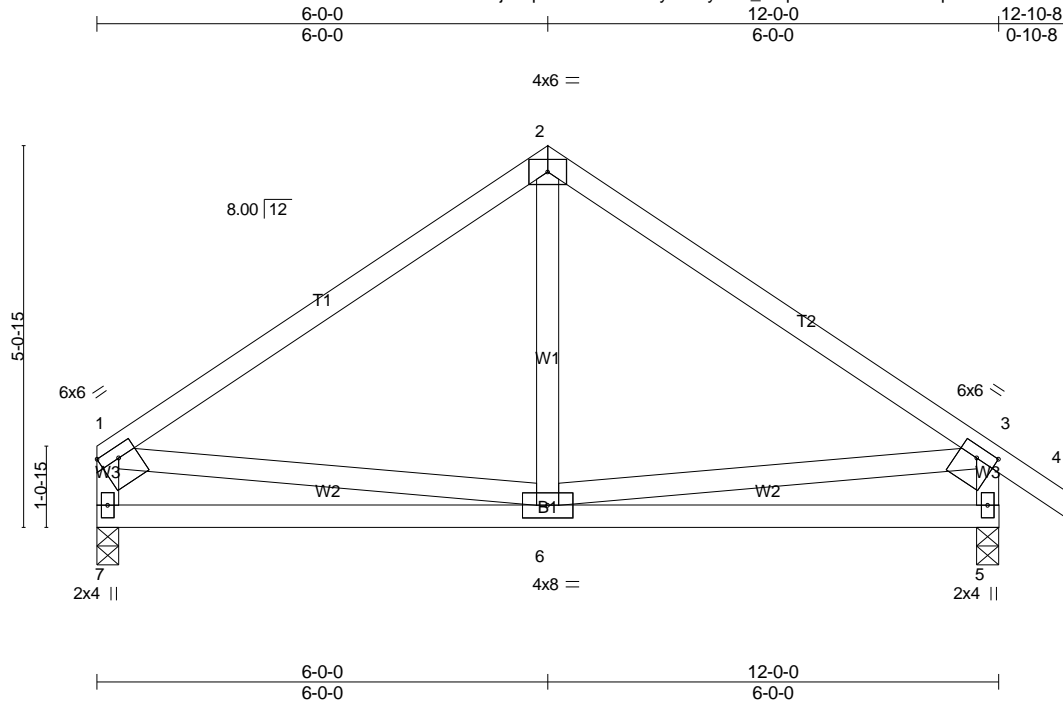


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:0-3-0,0-1-12]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.57	Vert(LL) -0.02 6-7 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.31	Vert(CT) -0.05 6-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 67 lb FT = 20%

LUMBER-

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

BRACING-

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

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

REACTIONS. (lb/size) 7=466/0-3-8 (min. 0-1-8), 5=532/0-3-8 (min. 0-1-8)
 Max Horz 7=-139(LC 10)
 Max Uplift 7=-47(LC 12), 5=-68(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-483/107, 2-3=-490/111, 1-7=-413/116, 3-5=-480/163
 BOT CHORD 6-7=-135/263, 5-6=-117/260

NOTES-

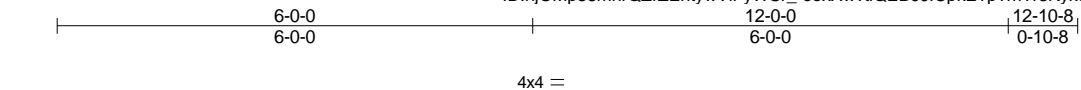
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	HE	Common Supported Gable	1	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:35 2020 Page 1
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Scale = 1:29.1

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) -0.00 8 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) -0.00 8 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 9 n/a n/a		
	Code IRC2015/TPI2014			Weight: 65 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 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 12-0-0.
 (lb) - Max Horz 15=-139(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 9, 13, 14, 11, 10
 Max Grav All reactions 250 lb or less at joint(s) 15, 9, 12, 13, 14, 11, 10

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15, 9, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

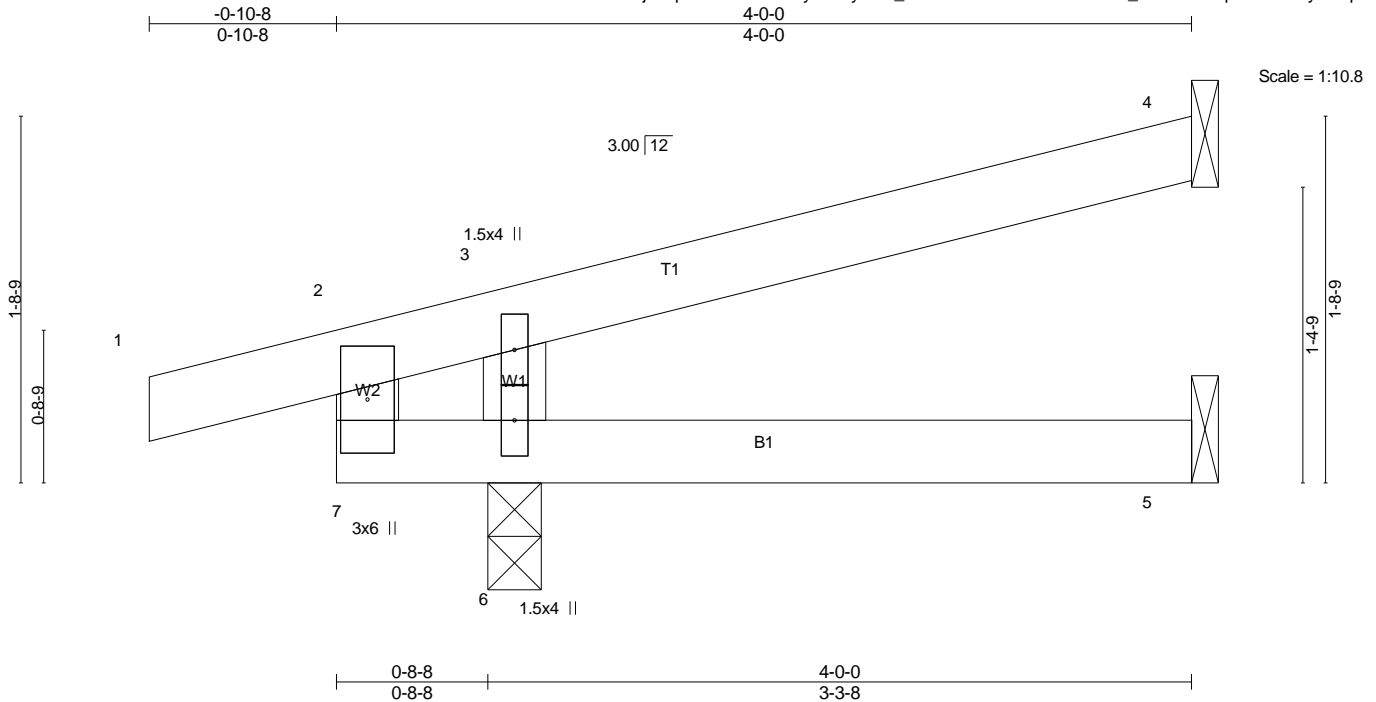
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J1	Jack-Open	7	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:36 2020 Page 1

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.00 5-6 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(CT) -0.01 5-6 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 4 n/a n/a		
	Code IRC2015/TPI2014			Weight: 14 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=72/Mechanical, 5=22/Mechanical, 6=270/0-3-0 (min. 0-1-8)
 Max Horz 6=43(LC 8)
 Max Uplift 4=-38(LC 12), 6=-92(LC 8)
 Max Grav 4=72(LC 1), 5=53(LC 3), 6=270(LC 1)

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

NOTES-

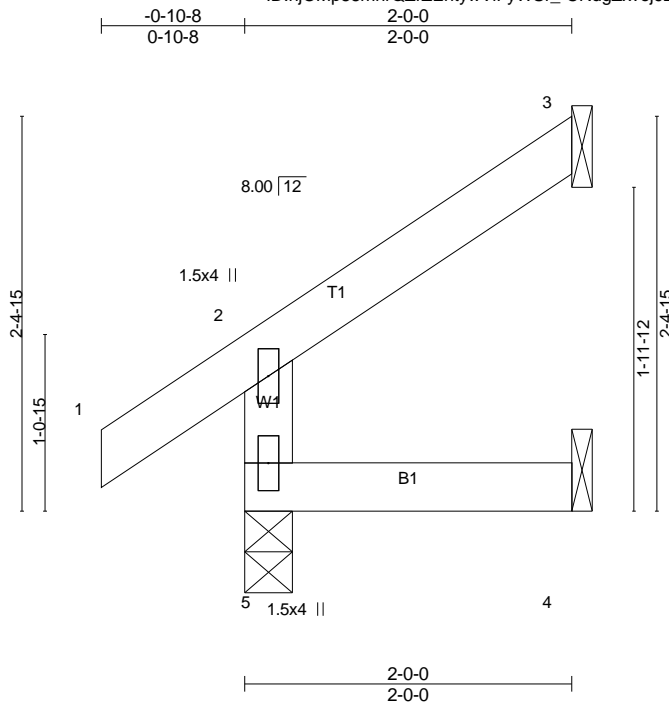
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	J2	Jack-Open	1	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:38 2020 Page 1
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Scale = 1:14.1

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL) 0.00	5	>999	240	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(CT) -0.00	4-5	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 9 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=152/0-3-8 (min. 0-1-8), 3=41/Mechanical, 4=16/Mechanical
 Max Horz 5=59(LC 12)
 Max Uplift 3=44(LC 12), 4=5(LC 12)
 Max Grav 5=152(LC 1), 3=50(LC 19), 4=34(LC 3)

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

NOTES-

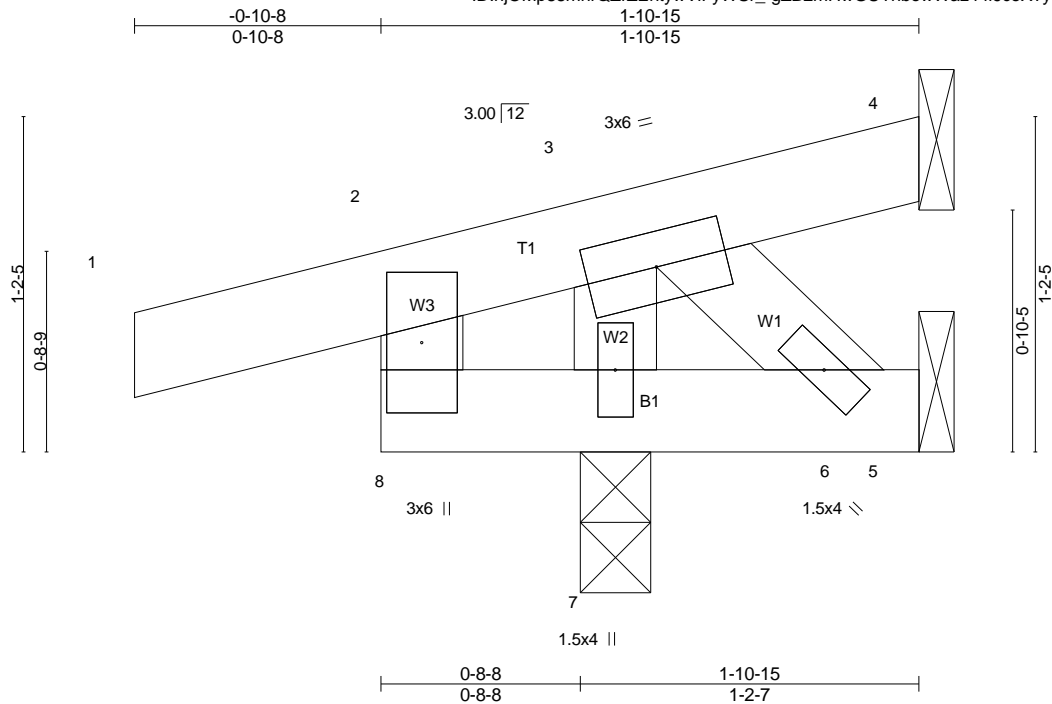
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	J3	Jack-Open	6	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:39 2020 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) 0.00 7 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) 0.00 7 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 4 n/a n/a		
	Code IRC2015/TPI2014			Weight: 9 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=-9/Mechanical, 5=-35/Mechanical, 7=245/0-3-0 (min. 0-1-8)

Max Horz 7=30(LC 8)
 Max Uplift 4=-9(LC 1), 5=-35(LC 1), 7=-109(LC 8)
 Max Grav 4=12(LC 8), 5=18(LC 8), 7=245(LC 1)

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

NOTES-

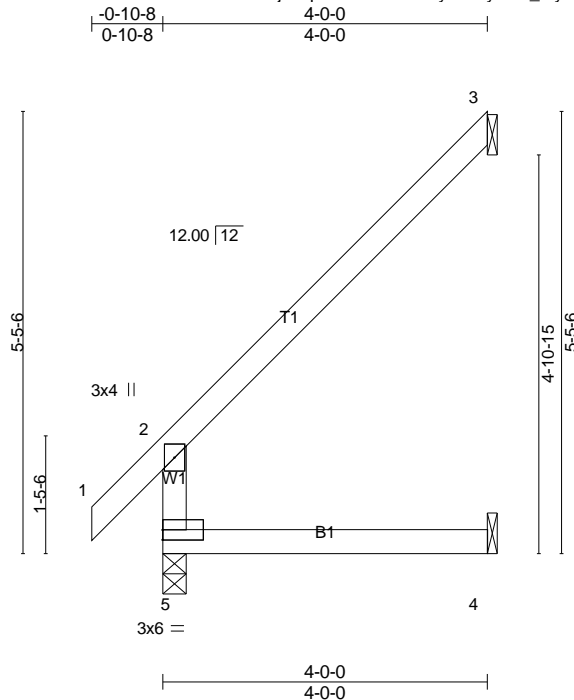
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	J5	Jack-Open	17	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:41 2020 Page 1
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Scale = 1:28.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.38	Vert(LL) 0.03 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.04 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.08 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=221/0-3-8 (min. 0-1-8), 3=100/Mechanical, 4=43/Mechanical
 Max Horz 5=164(LC 12)
 Max Uplift 3=-130(LC 12), 4=-20(LC 12)
 Max Grav 5=221(LC 1), 3=127(LC 19), 4=73(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=130.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

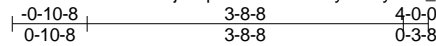
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J5A	Half Hip	6	1	Job Reference (optional)

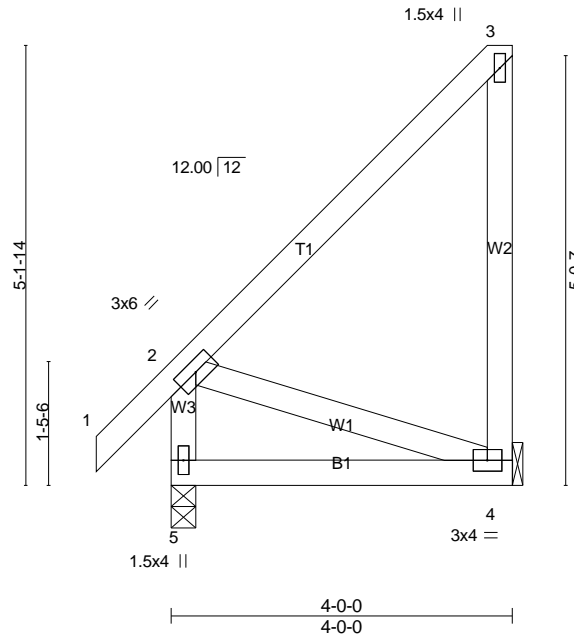
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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:42 2020 Page 1

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.44	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.16	Vert(CT)	-0.02	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP							
									Weight: 30 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-11-12 oc bracing.

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

REACTIONS. (lb/size) 5=218/0-3-8 (min. 0-1-8), 4=140/Mechanical
 Max Horz 5=202(LC 9)
 Max Uplift 5=-25(LC 8), 4=-123(LC 9)
 Max Grav 5=254(LC 20), 4=202(LC 19)

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

BOT CHORD 4-5=-346/316
 WEBS 2-4=-259/299

NOTES-

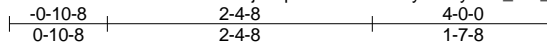
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.
- 6) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	J5B	Half Hip	6	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:44 2020 Page 1
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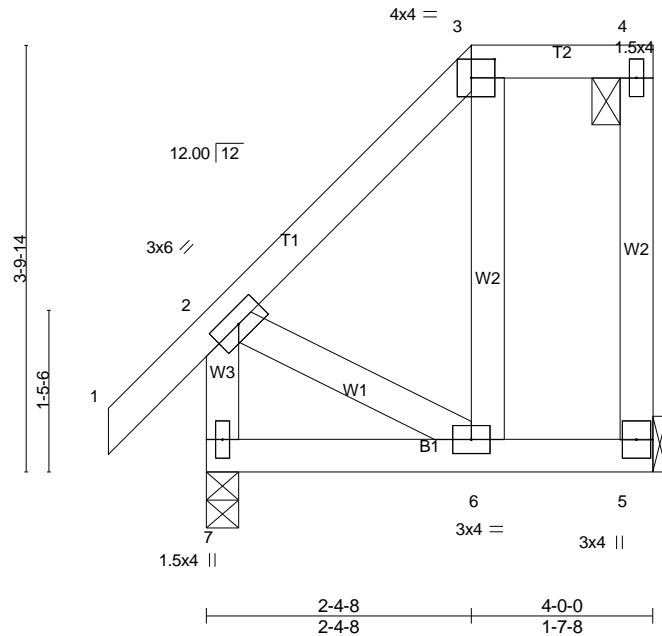


Plate Offsets (X,Y)-- [3:0-2-8,0-2-0]

LOADING (psf)	SPACING-	CSL.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL) 0.02	6-7	>999	240	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.22	Vert(CT) -0.02	6-7	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT) -0.00	5	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code IRC2015/TPI2014							
							Weight: 30 lb	FT = 20%

LUMBER-

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

BRACING-

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

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

REACTIONS. (lb/size) 5=140/Mechanical, 7=218/0-3-8 (min. 0-1-8)
 Max Horz 7=148(LC 9)
 Max Uplift 5=-82(LC 9), 7=-18(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 BOT CHORD 6-7=-269/260

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 7. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	J5C	Half Hip Girder	6	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:46 2020 Page 1
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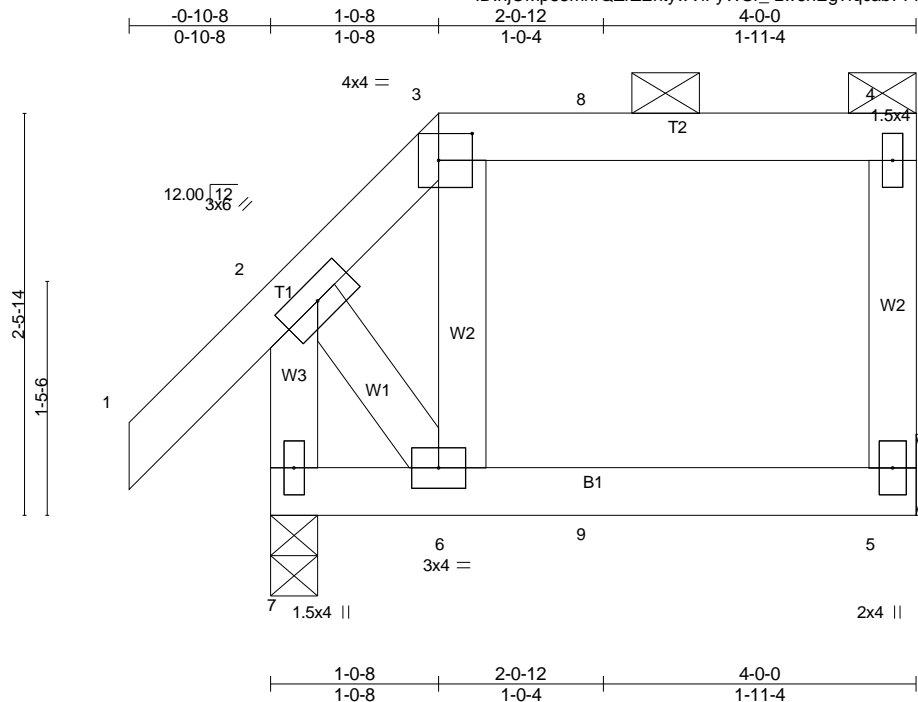


Plate Offsets (X,Y)-- [3:0-2-8,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.18	Vert(LL)	0.01	6	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.15	Vert(CT)	-0.01	5-6	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 24 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=140/Mechanical, 7=218/0-3-8 (min. 0-1-8)
 Max Horz 7=98(LC 9)
 Max Uplift 5=-69(LC 9), 7=-50(LC 12)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 3-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at it(s) 5 and 7. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 94 lb down and 61 lb up at 1-0-8, and 88 lb down and 68 lb up at 2-0-12 on top chord, and 15 lb down and 17 lb up at 2-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

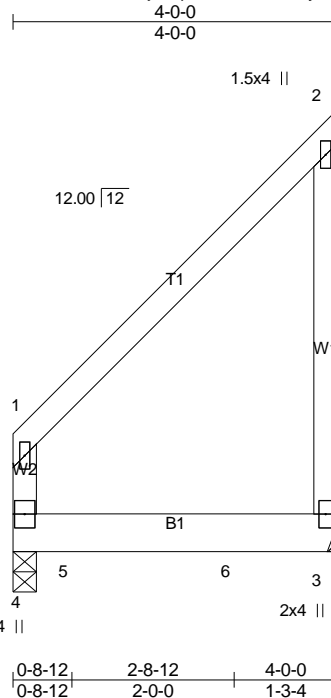
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-60, 3-4=-60, 5-7=-20
 Concentrated Loads (lb)
 Vert: 9=1(F)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J5GR	Jack-Open Girder	1	2	Job Reference (optional)

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Scale = 1:28.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.61	Vert(LL) -0.02 3-4 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) -0.04 3-4 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.00 n/a n/a	Weight: 53 lb	FT = 20%
	Code IRC2015/TPI2014				

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=1350/0-3-8 (min. 0-1-8), 3=1042/Mechanical
 Max Horz 4=128(LC 12)
 Max Uplift 4=-100(LC 8), 3=-245(LC 12)

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

NOTES-

- 2-ply truss to be connected together with 10d (0.120"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 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B;
 Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=245.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1064 lb down and 126 lb up at 0-8-12, and 1060 lb down and 130 lb up at 2-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

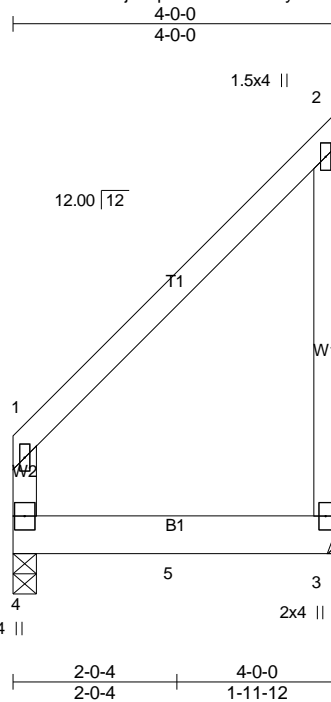
LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 3-4=-20
 Concentrated Loads (lb)
 Vert: 5=-1050(F) 6=-1045(F)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J5GR1	Jack-Open Girder	1	2	Job Reference (optional)

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Scale = 1:28.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32	Vert(LL)	-0.02 3-4	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.61	Vert(CT)	-0.04 3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.02	Horz(CT)	0.00	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 53 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=682/0-3-8 (min. 0-1-8), 3=695/Mechanical
 Max Horz 4=128(LC 12)
 Max Uplift 4=-24(LC 8), 3=-205(LC 12)
 Max Grav 4=682(LC 1), 3=695(LC 41)

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

NOTES-

- 2-ply truss to be connected together with 10d (0.120"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 0-7-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=205.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1105 lb down and 134 lb up at 2-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

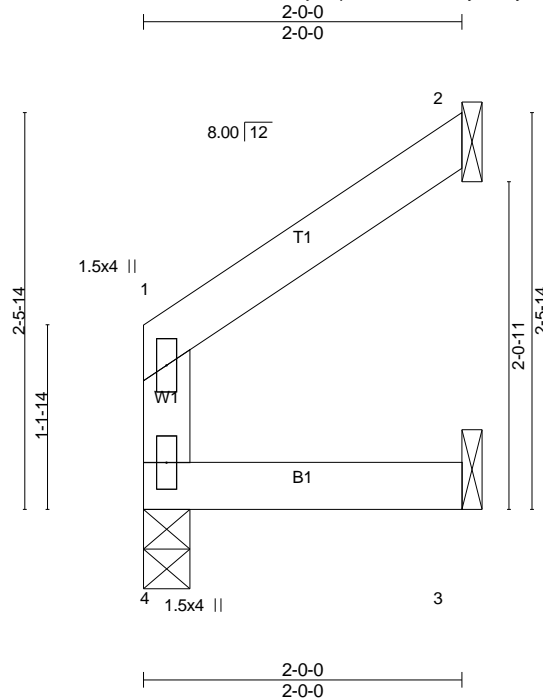
LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 3-4=-20
 Concentrated Loads (lb)
 Vert: 5=-1081(B)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J6	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:14.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL) -0.00	4	>999	240	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(CT) -0.00	3-4	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) 0.01	2	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 8 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=74/0-3-8 (min. 0-1-8), 2=52/Mechanical, 3=21/Mechanical
 Max Horz 4=46(LC 9)
 Max Uplift 2=47(LC 12), 3=4(LC 12)
 Max Grav 4=74(LC 1), 2=61(LC 19), 3=36(LC 3)

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

NOTES-

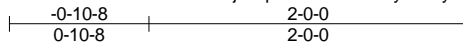
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

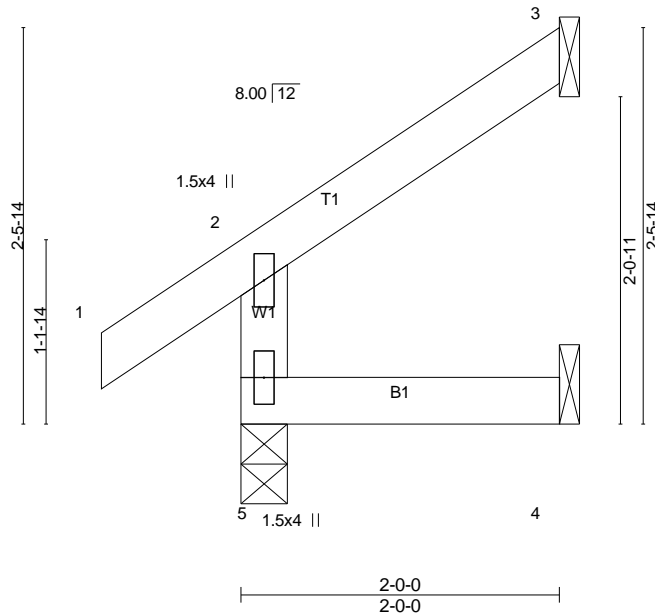
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J7	Jack-Open	4	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:52 2020 Page 1
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Scale = 1:14.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.14	Vert(LL)	-0.00	5	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	-0.00	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MR						Weight: 9 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=152/0-3-8 (min. 0-1-8), 3=41/Mechanical, 4=16/Mechanical
 Max Horz 5=58(LC 12)
 Max Uplift 3=45(LC 12), 4=6(LC 12)
 Max Grav 5=152(LC 1), 3=51(LC 19), 4=34(LC 3)

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

NOTES-

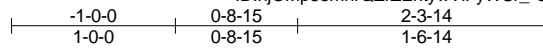
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

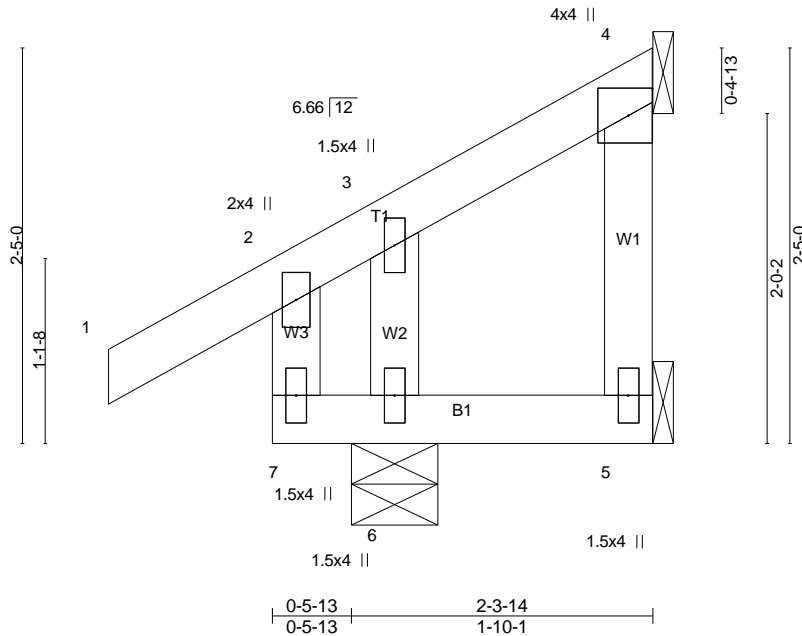
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J8	Jack-Open Structural Gable	1	1	Job Reference (optional)

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Scale = 1:14.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL) 0.00	6	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.09	Vert(CT) 0.00	6	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) -0.01	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR					Weight: 14 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-3-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=-25/Mechanical, 6=241/0-6-5 (min. 0-1-8), 4=15/Mechanical
 Max Horz 6=86(LC 9)
 Max Uplift 5=-33(LC 20), 6=-43(LC 12), 4=-33(LC 9)
 Max Grav 5=23(LC 8), 6=241(LC 1), 4=29(LC 19)

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

NOTES-

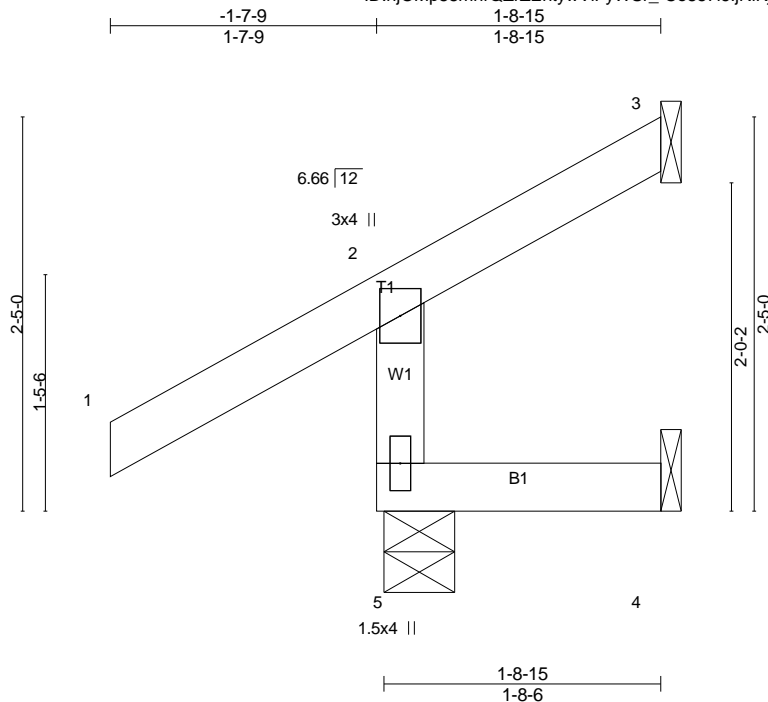
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable studs spaced at 2-0-0 oc.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 6. This connection is for uplift only and does not consider lateral forces.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J9	Jack-Open	4	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:55 2020 Page 1
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Scale = 1:14.1

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) -0.00 5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.01 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 10 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-8-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=230/0-5-3 (min. 0-1-8), 3=1/Mechanical, 4=3/Mechanical
 Max Horz 5=61(LC 9)
 Max Uplift 5=-26(LC 12), 3=-27(LC 12), 4=-10(LC 9)
 Max Grav 5=230(LC 1), 3=16(LC 10), 4=26(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

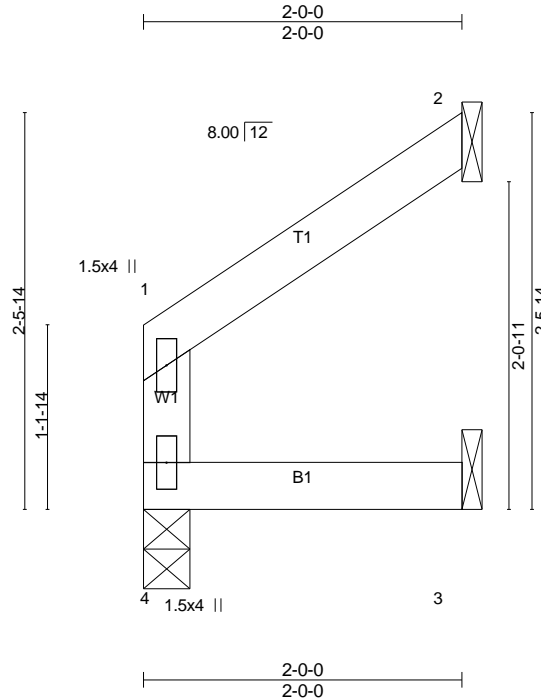
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J10	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:14.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL) -0.00	4	>999	240	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(CT) -0.00	3-4	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) 0.01	2	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 8 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=74/0-3-8 (min. 0-1-8), 2=52/Mechanical, 3=21/Mechanical
 Max Horz 4=46(LC 9)
 Max Uplift 2=47(LC 12), 3=4(LC 12)
 Max Grav 4=74(LC 1), 2=61(LC 19), 3=36(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

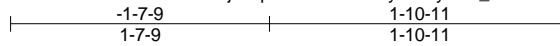
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	J11	Jack-Open	1	1	Job Reference (optional)

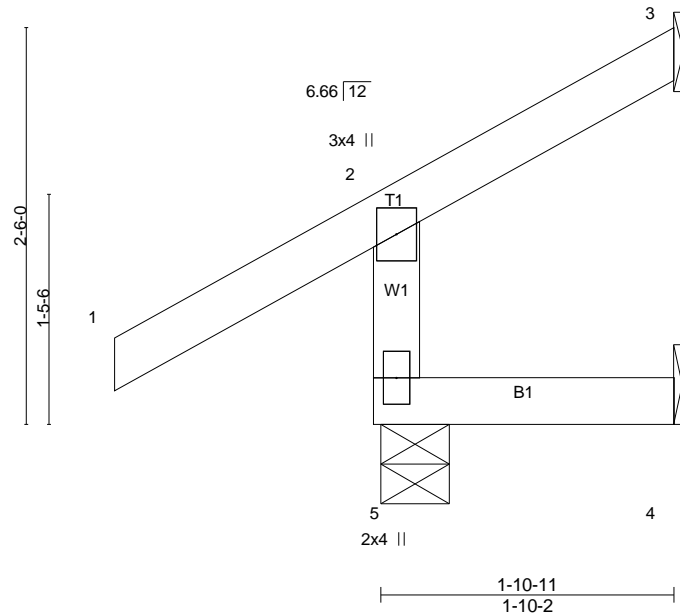
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:57 2020 Page 1

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Scale = 1:14.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.23	Vert(LL)	-0.00	5	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	-0.00	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MR						
								Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-10-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=230/0-5-3 (min. 0-1-8), 3=10/Mechanical, 4=5/Mechanical
 Max Horz 5=63(LC 9)
 Max Uplift 5=-25(LC 12), 3=-31(LC 12), 4=-8(LC 9)
 Max Grav 5=230(LC 1), 3=20(LC 19), 4=29(LC 3)

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

NOTES-

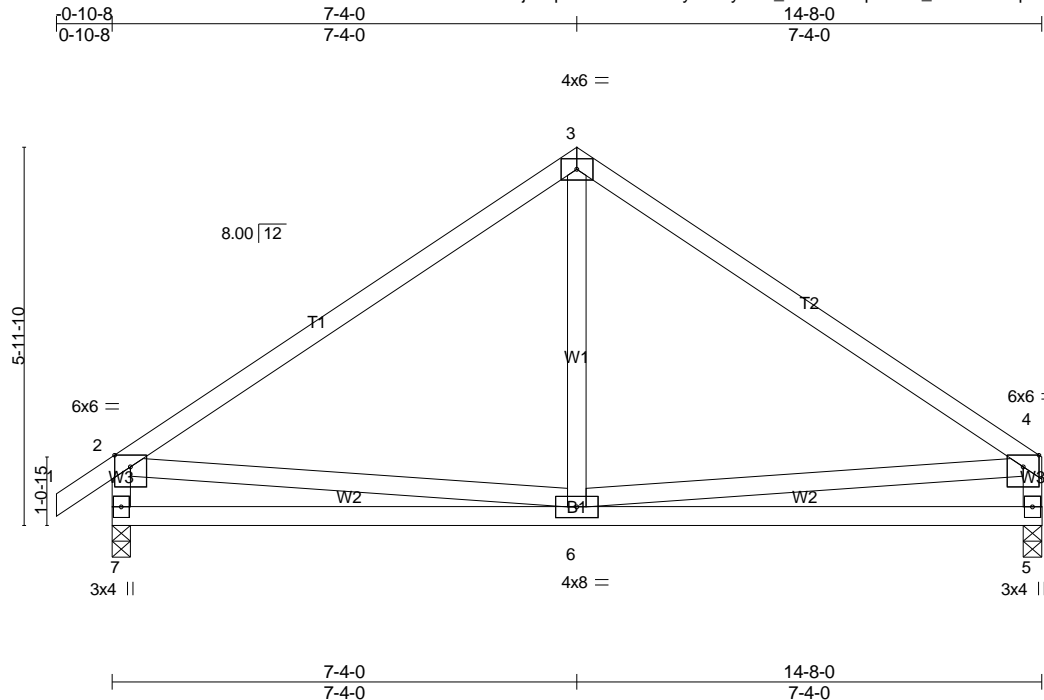
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	K	Common	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:56:59 2020 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) -0.05 5-6 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) -0.11 5-6 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.01 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 81 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 7=638/0-3-8 (min. 0-1-8), 5=573/0-3-8 (min. 0-1-8)
 Max Horz 7=161(LC 9)
 Max Uplift 7=-79(LC 12), 5=-58(LC 13)

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

TOP CHORD 2-3=-620/129, 3-4=-612/124, 2-7=-575/180, 4-5=-509/135
 BOT CHORD 6-7=-260/464, 5-6=-118/257
 WEBS 3-6=0/290, 2-6=-109/268, 4-6=-58/251

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

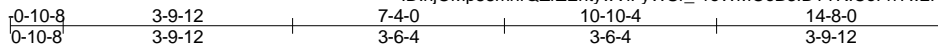
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	KGR	Common Girder	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

ID:hjOMp88mnrQZrZEntyWViFyWSr_-1oWMOoB3IDTTRICoFhTw2FYGnpMECI2My88AZyW5pm

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Scale = 1:38.3

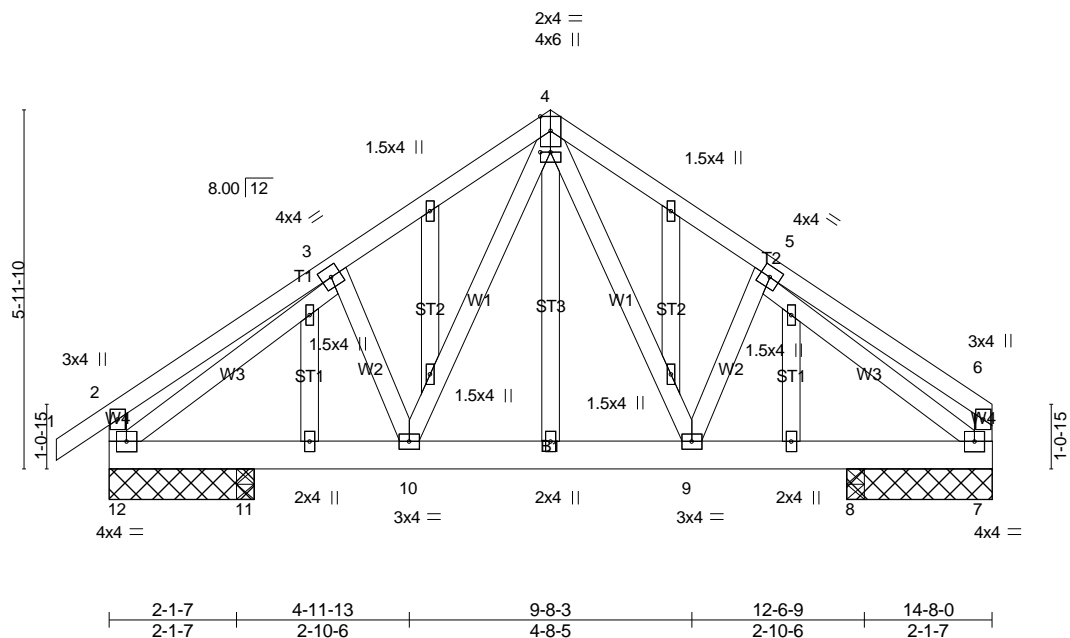


Plate Offsets (X,Y)-- [4:0-2-0,0-0-0]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.20	Vert(LL) -0.02 9-10 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.22	Vert(CT) -0.04 9-10 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.30	Horz(CT) 0.01 7 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 126 lb FT = 20%

LUMBER-

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

BRACING-

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

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

REACTIONS.

All bearings 2-4-15 except (jt=length) 11=0-3-8, 8=0-3-8.
 (lb) - Max Horz 12=158(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 7, 11, 8 except 12=114(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 11, 8 except 12=676(LC 1), 7=610(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-713/233, 4-5=-718/234
 BOT CHORD 11-12=-117/628, 10-11=-117/628, 9-10=-28/457, 8-9=-112/583, 7-8=-112/583
 WEBS 4-9=-104/331, 4-10=-102/321, 3-12=-665/91, 5-7=-677/110

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12, 7, 11, and 8. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

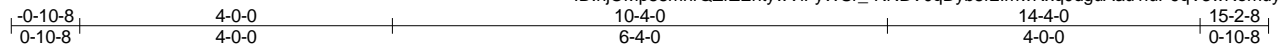
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-4=-60, 4-6=-60, 7-12=-54(F=-34)

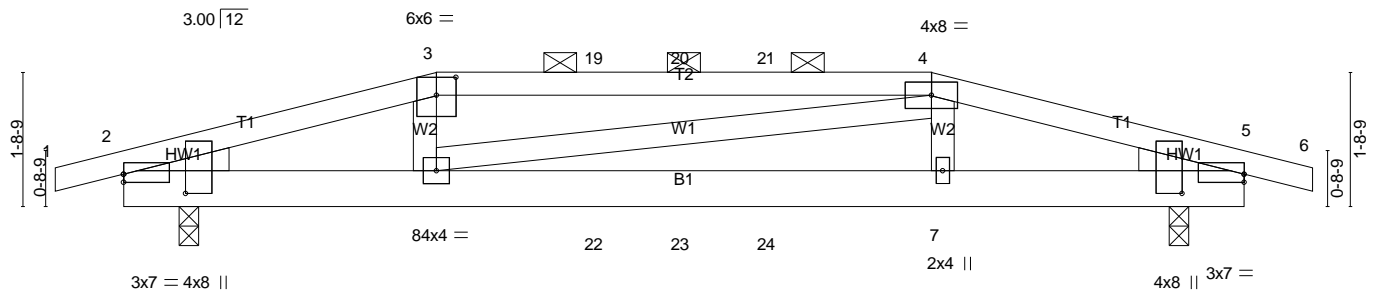
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	LH	Hip Girder	1	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:04 2020 Page 1
ID:hjOMp88mnrQZrZEntyWViFyWSr_-RNBV0qDyb8r2ImwNlxq0dguAau1iuP9qV3wNomuyW5pj



Scale = 1:29.5



0-8-8	4-0-0	10-4-0	13-7-8	14-4-0
0-8-8	3-3-8	6-4-0	3-3-8	0-8-8

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.98	Vert(LL)	-0.05	7-8	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.61	Vert(CT)	-0.12	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS							
									Weight: 74 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-15 oc purlins, except 2-0-0 oc purlins (2-9-12 max.): 3-4.
 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=719/0-3-0 (min. 0-1-8), 5=719/0-3-0 (min. 0-1-8)
 Max Horz 2=-21(LC 32)
 Max Uplift 2=-184(LC 8), 5=-184(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1169/292, 3-19=-1118/309, 19-20=-1118/309, 20-21=-1118/309, 4-21=-1118/309, 4-5=-1185/298
 BOT CHORD 2-8=-238/1116, 8-22=-260/1133, 22-23=-260/1133, 23-24=-260/1133, 7-24=-260/1133, 5-7=-250/1131

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 31 lb down and 67 lb up at 4-0-0, 28 lb down and 65 lb up at 6-0-12, 28 lb down and 65 lb up at 7-2-0, and 28 lb down and 65 lb up at 8-3-4, and 31 lb down and 67 lb up at 10-4-0 on top chord, and 64 lb down and 28 lb up at 4-0-0, 18 lb down at 6-0-12, 18 lb down at 7-2-0, and 18 lb down at 8-3-4, and 64 lb down and 28 lb up at 10-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-14=-20

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	LH	Hip Girder	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:04 2020 Page 2
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LOAD CASE(S) Standard

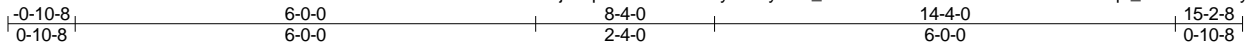
Concentrated Loads (lb)

Vert: 3=-12(F) 8=-58(F) 4=-12(F) 7=-58(F) 19=-12(F) 20=-12(F) 21=-12(F) 22=-3(F) 23=-3(F) 24=-3(F)

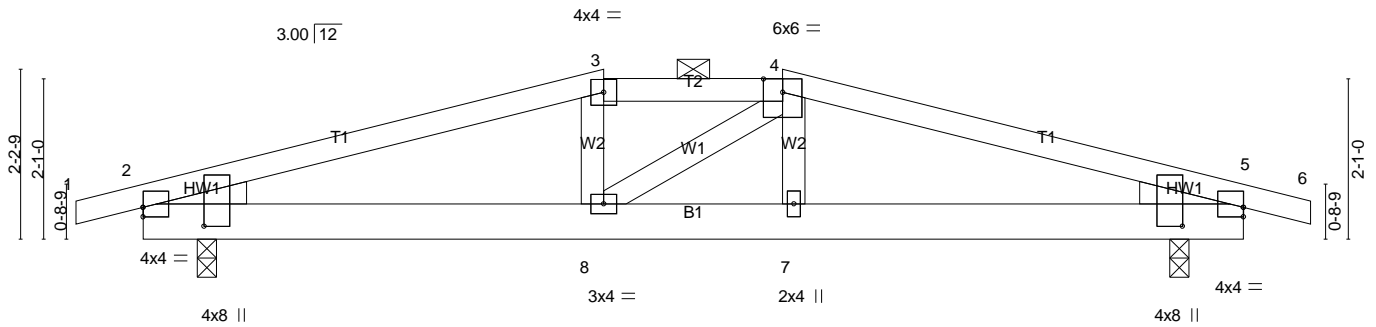
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	LH1	Hip	1	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:06 2020 Page 1
 ID:hjOMp88mnrQZrZEntyWvIFyWSr_-OmJFRWFC7m5mX34m2E35JF48qT_t3VoWEsvrnyW55ph



Scale = 1:30.0



0-8-8	6-0-0	8-4-0	13-7-8	14-4-0
0-8-8	5-3-8	2-4-0	5-3-8	0-8-8

Plate Offsets (X,Y)-- [2:0-0-0,0-1-8], [2:0-2-15,0-9-8], [5:0-0-0,0-1-8], [5:0-2-15,0-9-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.35	Vert(LL)	-0.03	7-8	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.31	Vert(CT)	-0.06	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS							
										Weight: 70 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-5 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
 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=626/0-3-0 (min. 0-1-8), 5=626/0-3-0 (min. 0-1-8)
 Max Horz 2=28(LC 12)
 Max Uplift2=-126(LC 8), 5=-126(LC 9)

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

TOP CHORD 2-3=-897/233, 3-4=-833/246, 4-5=-899/234
 BOT CHORD 2-8=-162/835, 7-8=-173/836, 5-7=-170/837

NOTES-

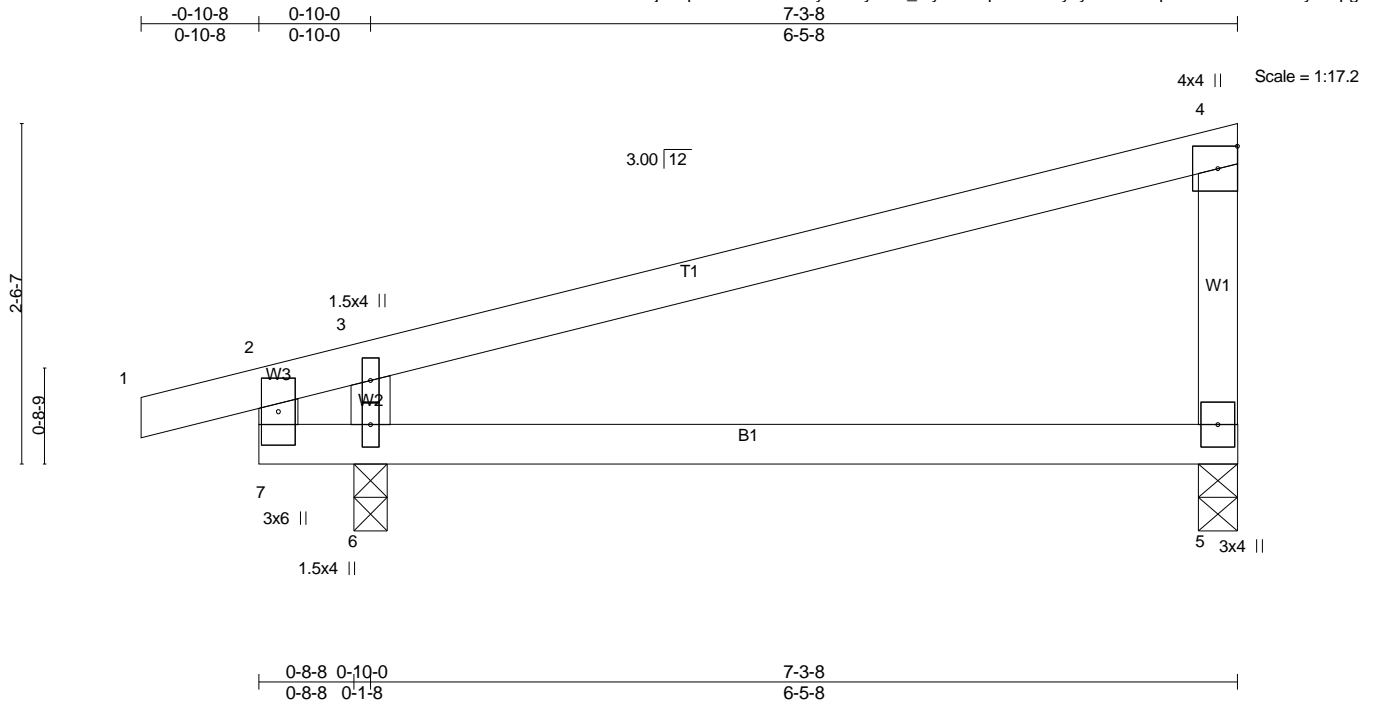
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	M1	Monopitch	6	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:07 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-sytderFqu3Dd9DfycyaKIWoBqEnQcVmxlubSNDyW5pg



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.43	Vert(LL) -0.07 5-6 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Vert(CT) -0.15 5-6 >501 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) -0.00 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 27 lb	FT = 20%

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

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

REACTIONS. (lb/size) 5=238/0-3-8 (min. 0-1-8), 6=383/0-3-0 (min. 0-1-8)
 Max Horz 6=88(LC 11)
 Max Uplift 5=49(LC 12), 6=111(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-6=364/351

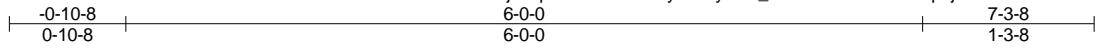
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 6. This connection is for uplift only and does not consider lateral forces.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

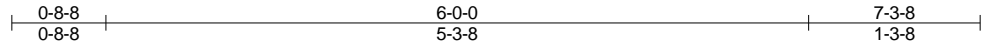
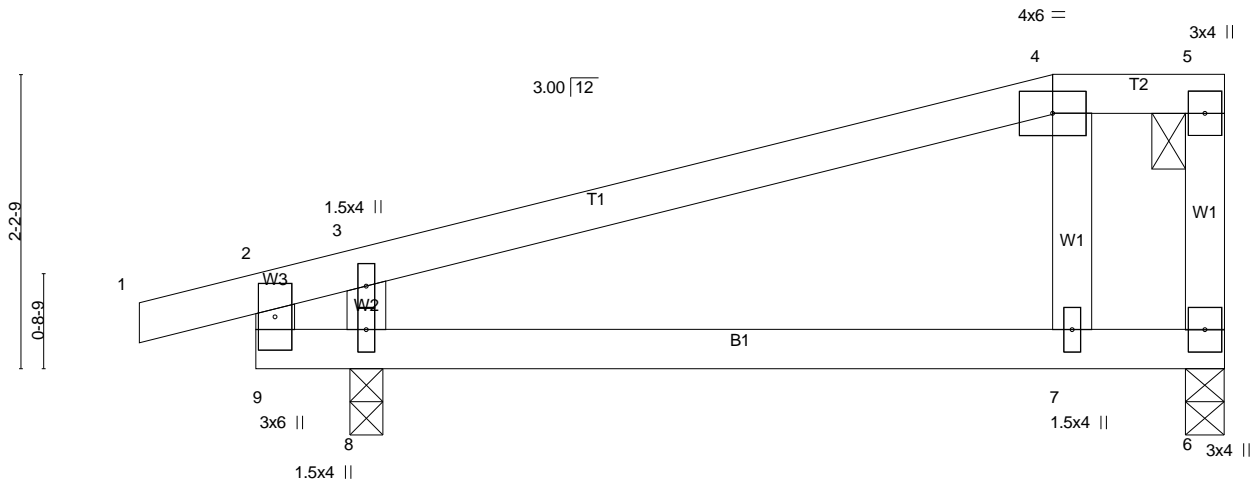
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M1A	Half Hip	1	1	Job Reference (optional)

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8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:09 2020 Page 1
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Scale = 1:17.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.50	Vert(LL)	-0.07	7-8	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.48	Vert(CT)	-0.16	7-8	>459	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS							
									Weight: 29 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 6=238/0-3-8 (min. 0-1-8), 8=383/0-3-0 (min. 0-1-8)
 Max Horz 8=77(LC 11)
 Max Uplift 6=43(LC 8), 8=-113(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-8=-273/267

NOTES-

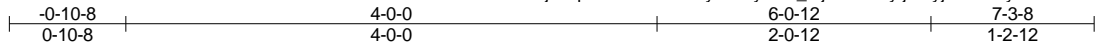
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 8. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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	Hicks Residence - Milltown
2000811-2000811A	M1B	Half Hip Girder	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:11 2020 Page 1
ID:hjOMp88mnrQZrZEntyWViFyW5r_-kj68UDJLylj2dryjrofGSMyzrrCvYJmXgWZgW_yW5pc



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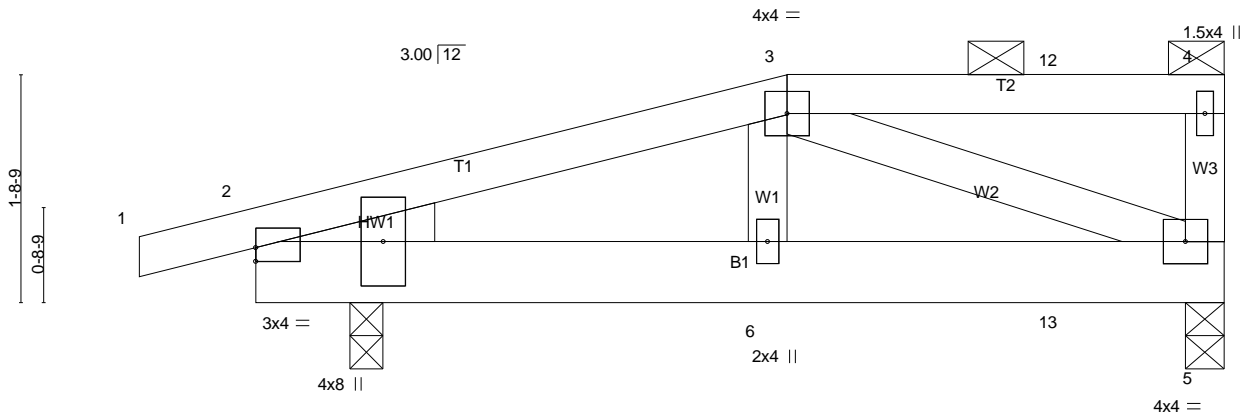


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) -0.00 6 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Vert(CT) -0.01 6 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MP	Horz(CT) 0.00 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 39 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS.

(lb/size) 5=293/0-3-8 (min. 0-1-8), 2=418/0-3-0 (min. 0-1-8)
 Max Horz 2=54(LC 11)
 Max Uplift 5=67(LC 9), 2=-115(LC 8)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-376/123
 BOT CHORD 2-6=-152/340, 6-13=-155/334, 5-13=-155/334
 WEBS 3-5=-363/151

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 2. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 31 lb down and 70 lb up at 4-0-0, and 28 lb down and 67 lb up at 6-0-12 on top chord, and 64 lb down and 28 lb up at 4-0-0, and 18 lb down at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

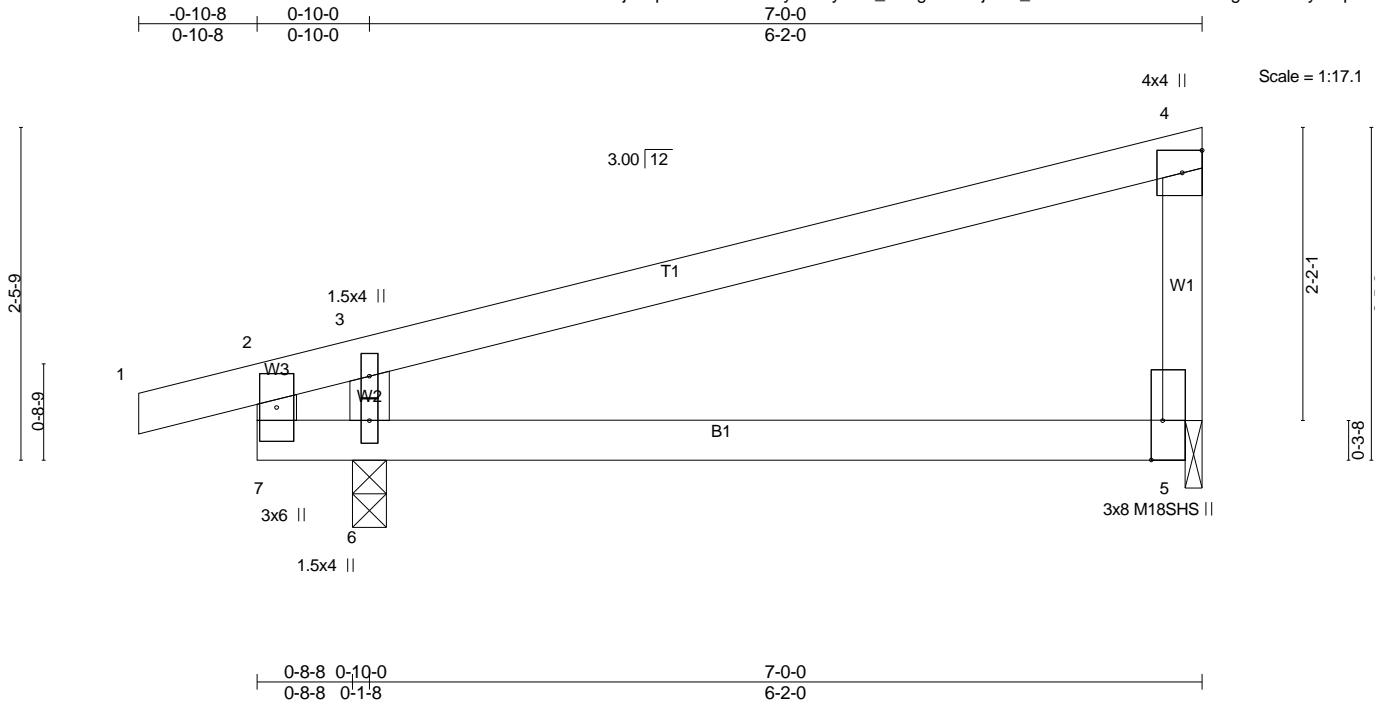
LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-60, 3-4=-60, 5-7=-20
 Concentrated Loads (lb)
 Vert: 6=-58(B) 3=-12(B) 12=-12(B) 13=-3(B)

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M2	Monopitch	6	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:12 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-CwgWhZjzjcvF_XwPVAV?aV30FUHHm5guAJD2QyW5pb



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.05	5-6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.12	5-6	>582	180	M18SHS	197/144
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS								Weight: 26 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

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

REACTIONS. (lb/size) 6=372/0-3-0 (min. 0-1-8), 5=226/0-1-8 (min. 0-1-8)
 Max Horz 6=85(LC 11)
 Max Uplift 6=-109(LC 8), 5=-46(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-6=-344/333

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 5. This connection is for uplift only and does not consider lateral forces.
- 8) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	M3	Monopitch	14	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:14 2020 Page 1
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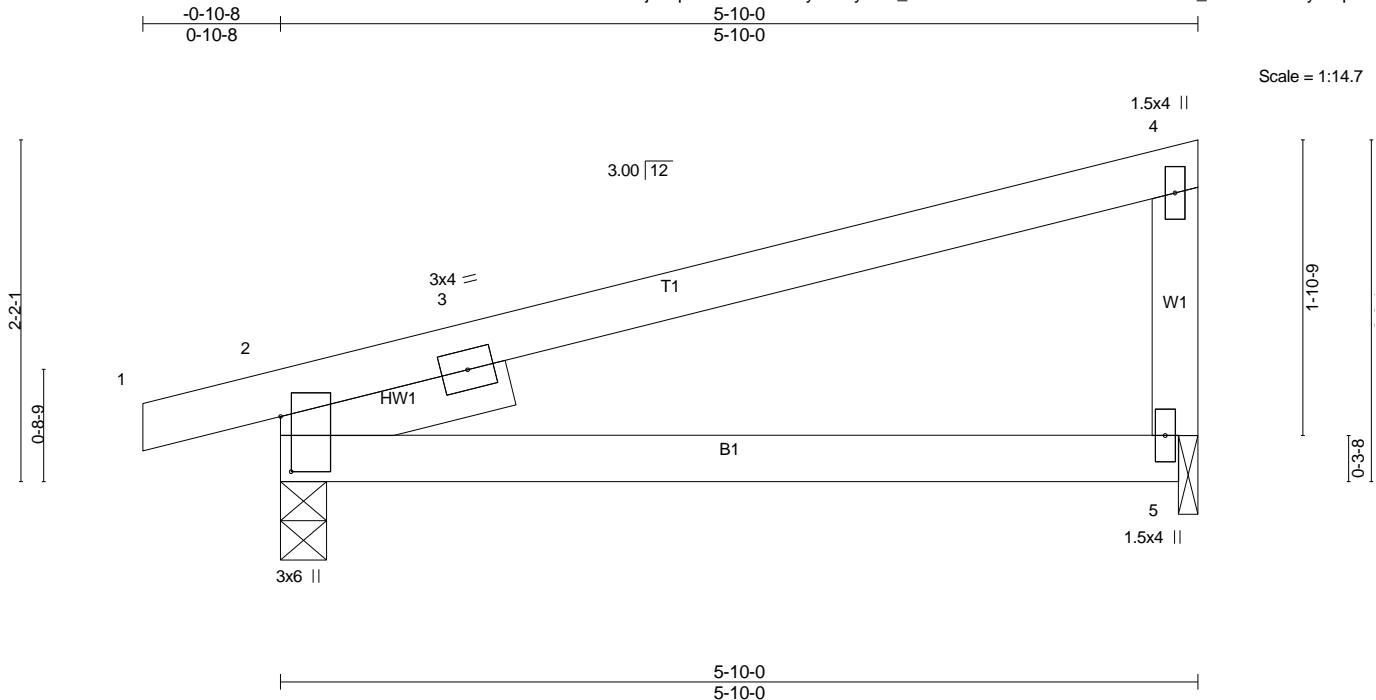


Plate Offsets (X,Y)-- [2:0-4-3,0-0-13]										
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.48	Vert(LL)	0.06	5-8	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.37	Vert(CT)	-0.11	5-8	>643	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.03	2	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP							
									Weight: 23 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 - ü 1-6-0

BRACING-

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

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

REACTIONS. (lb/size) 2=284/0-3-8 (min. 0-1-8), 5=223/0-1-8 (min. 0-1-8)
 Max Horz 2=73(LC 11)
 Max Uplift 2=-73(LC 8), 5=-46(LC 12)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	M3B	Half Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:22 2020 Page 1
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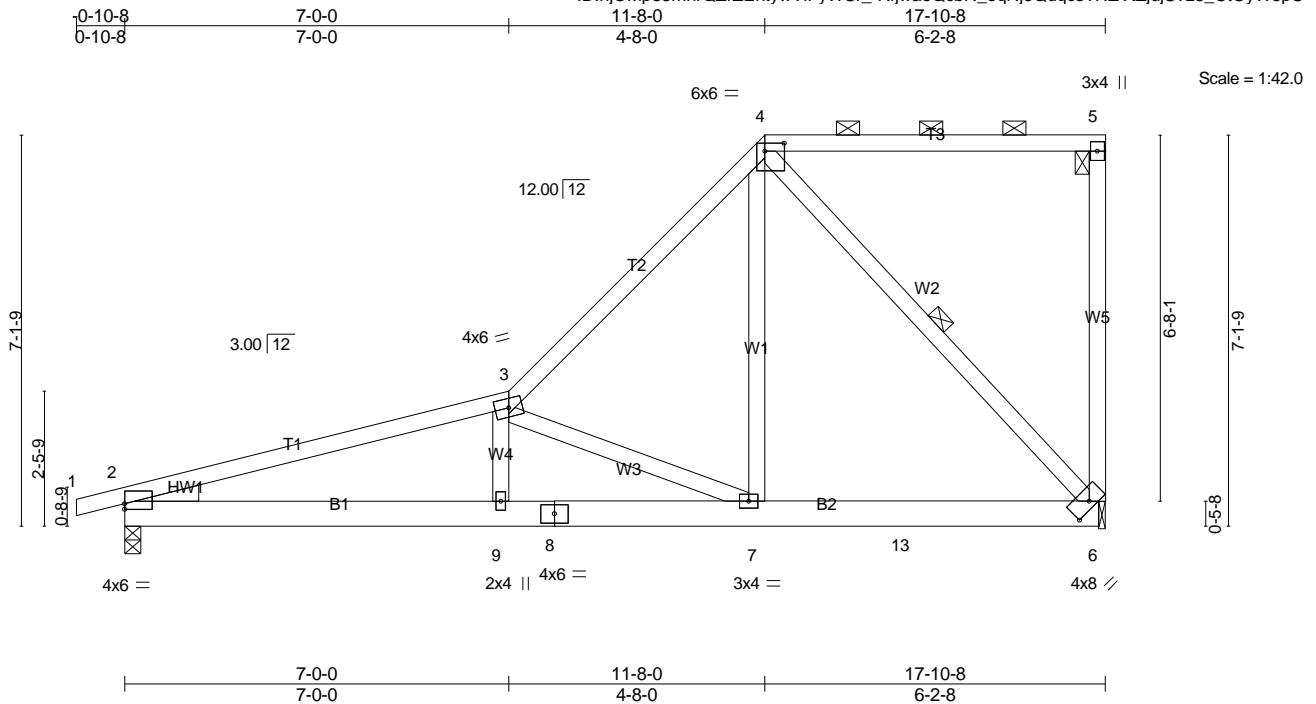


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [4:0-4-4,0-1-12], [6:0-4-7,0-1-7]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.66	Vert(LL) -0.05 9 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.10 9 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Horz(CT) 0.02 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 116 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-6

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

REACTIONS. (lb/size) 2=763/0-3-8 (min. 0-1-8), 6=708/0-1-8 (min. 0-1-8)
 Max Horz 2=261(LC 11)
 Max Uplift 2=-106(LC 12), 6=-119(LC 9)

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

TOP CHORD 2-3=-1546/298, 3-4=-737/190
 BOT CHORD 2-9=-408/1444, 8-9=-410/1440, 7-8=-410/1440, 7-13=-213/471,
 6-13=-213/471
 WEBS 3-7=-1086/313, 4-7=-81/626, 4-6=-641/209

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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	Hicks Residence - Milltown
2000811-2000811A	M3C	Half Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:23 2020 Page 1
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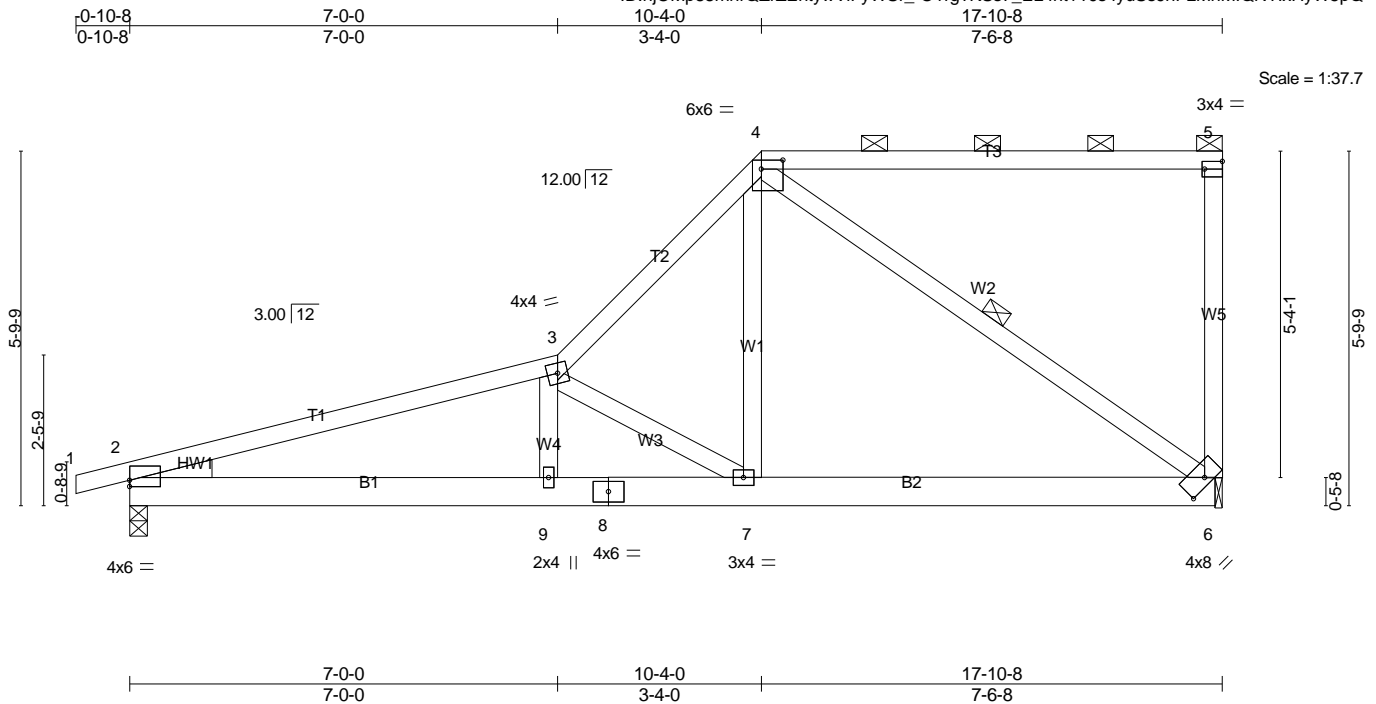


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [4:0-4-4,0-1-12], [5:Edge,0-1-8], [6:0-4-7,0-1-7]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.84	Vert(LL) -0.05 9 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.35	Vert(CT) -0.10 9 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.02 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS			Weight: 110 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-6

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

REACTIONS. (lb/size) 2=763/0-3-8 (min. 0-1-8), 6=708/0-1-8 (min. 0-1-8)
 Max Horz 2=210(LC 11)
 Max Uplift 2=-109(LC 8), 6=-115(LC 9)

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

TOP CHORD 2-3=-1535/305, 3-4=-927/221
 BOT CHORD 2-9=-414/1432, 8-9=-416/1430, 7-8=-416/1430, 6-7=-226/598
 WEBS 3-7=-971/280, 4-7=-83/687, 4-6=-706/199

NOTES-

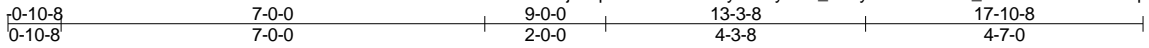
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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

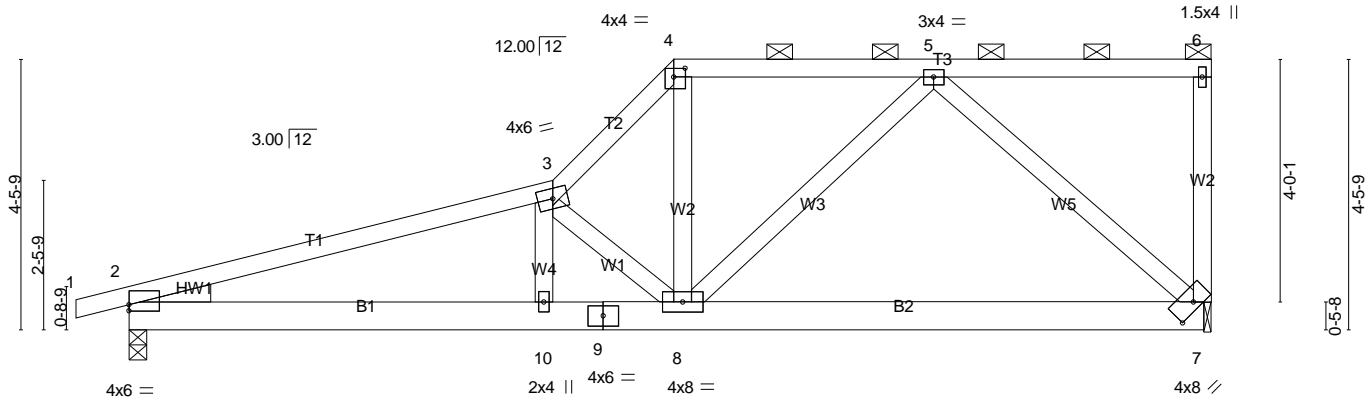
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M3D	Half Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:25 2020 Page 1
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Scale = 1:38.1



7-0-0	9-0-0	17-10-8
7-0-0	2-0-0	8-10-8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.39	Vert(LL) -0.05 7-8 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.54	Vert(CT) -0.12 7-8 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 107 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
 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=763/0-3-8 (min. 0-1-8), 7=708/0-1-8 (min. 0-1-8)
 Max Horz 2=160(LC 11)
 Max Uplift 2=-126(LC 8), 7=-114(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1534/314, 3-4=-1153/256, 4-5=-797/207
 BOT CHORD 2-10=-408/1432, 9-10=-409/1434, 8-9=-409/1434, 7-8=-214/579
 WEBS 3-8=-918/279, 4-8=-109/630, 5-8=-20/351, 5-7=-767/234

NOTES-

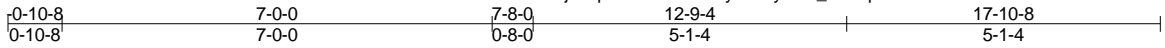
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	M3E	Half Hip	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:26 2020 Page 1
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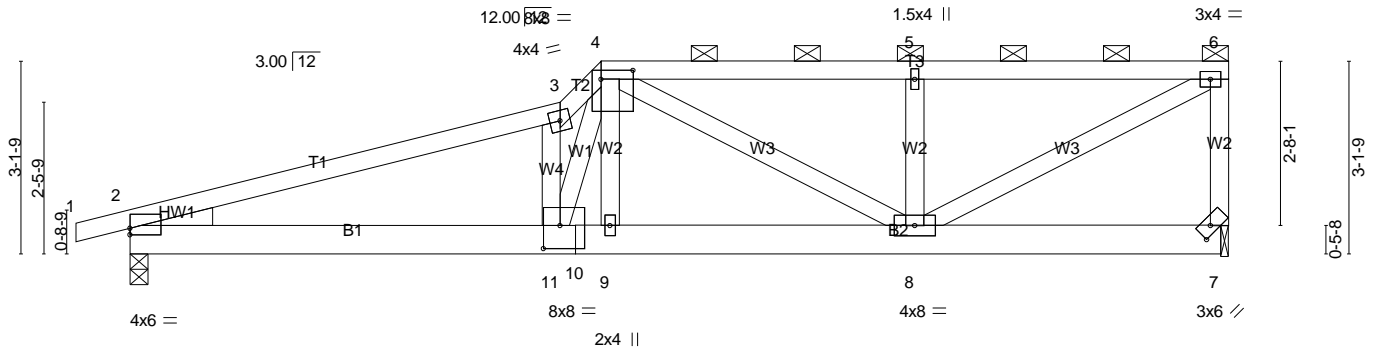


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [4:0-6-4,0-1-12], [7:0-2-7,0-1-7], [10:0-3-4,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.40	Vert(LL) -0.06 11 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.49	Vert(CT) -0.12 11-14 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 105 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-7-12 max.): 4-6.
 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=763/0-3-8 (min. 0-1-8), 7=708/0-1-8 (min. 0-1-8)
 Max Horz 2=110(LC 11)
 Max Uplift 2=149(LC 8), 7=118(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1506/309, 3-4=-2111/537, 4-5=-965/241, 5-6=-965/241, 6-7=-650/172
 BOT CHORD 2-11=-371/1404, 10-11=-310/1161, 9-10=-310/1161, 8-9=-311/1176
 WEBS 3-11=-1314/418, 4-11=-320/1186, 4-9=-39/290, 5-8=-337/159, 6-8=-237/1072

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	M4	Monopitch	11	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:28 2020 Page 1
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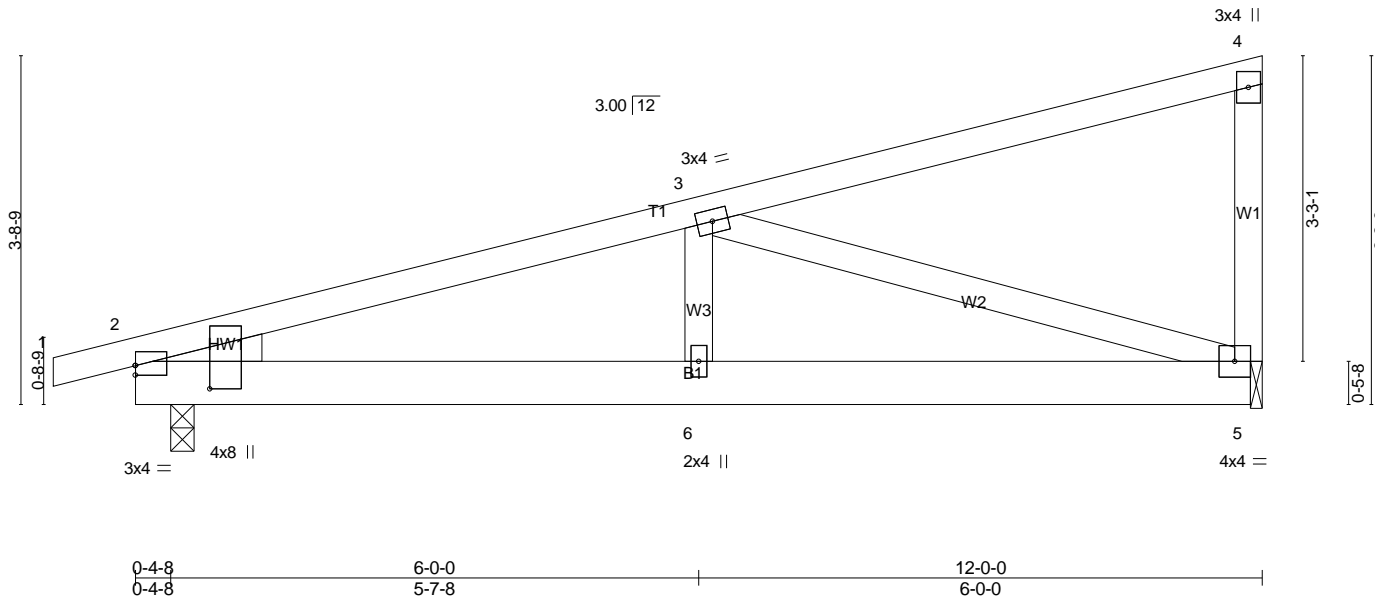
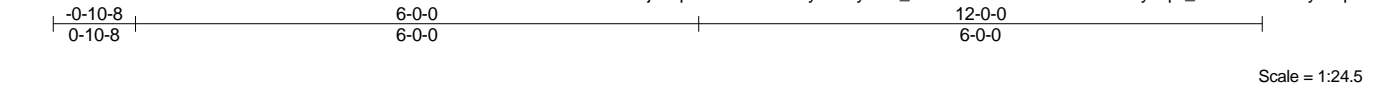


Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [2:0-2-15,0-9-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.02 6 >999 240	MT20 197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.22	Vert(CT) -0.04 5-6 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.56	Horz(CT) 0.01 5 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS		Weight: 64 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

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

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

REACTIONS. (lb/size) 2=546/0-3-0 (min. 0-1-8), 5=455/0-1-8 (min. 0-1-8)
 Max Horz 2=134(LC 11)
 Max Uplift 2=-118(LC 8), 5=-92(LC 12)

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

TOP CHORD 2-3=-834/238
 BOT CHORD 2-6=-322/780, 5-6=-322/780
 WEBS 3-5=-785/284

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

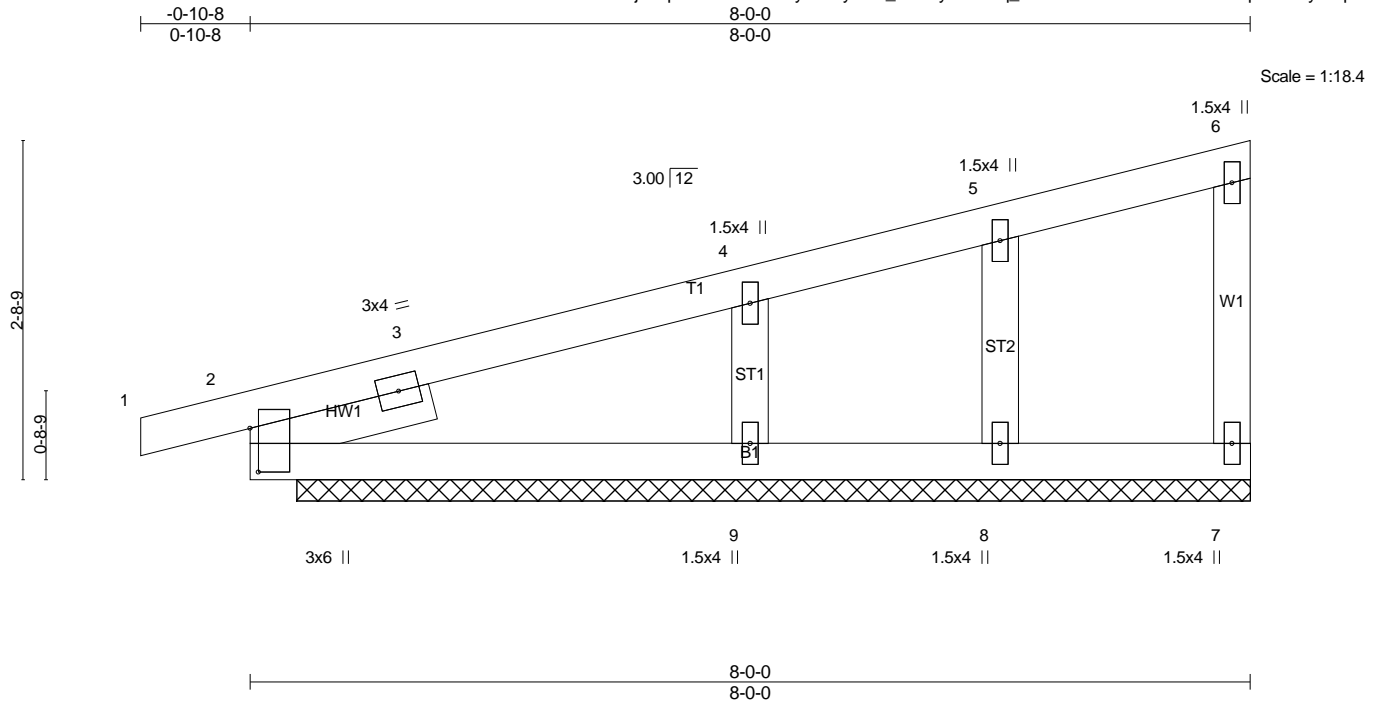
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M4E	Monopitch Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	1	n/r	120	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	0.00	1	n/r	90			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	7	n/a	n/a	Weight: 35 lb FT = 20%		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P									

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10'-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -ü 1-6-0		

REACTIONS. All bearings 7-7-8.
 (lb) - Max Horz 2=93(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 8, 9
 Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8 except 9=308(LC 1)

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

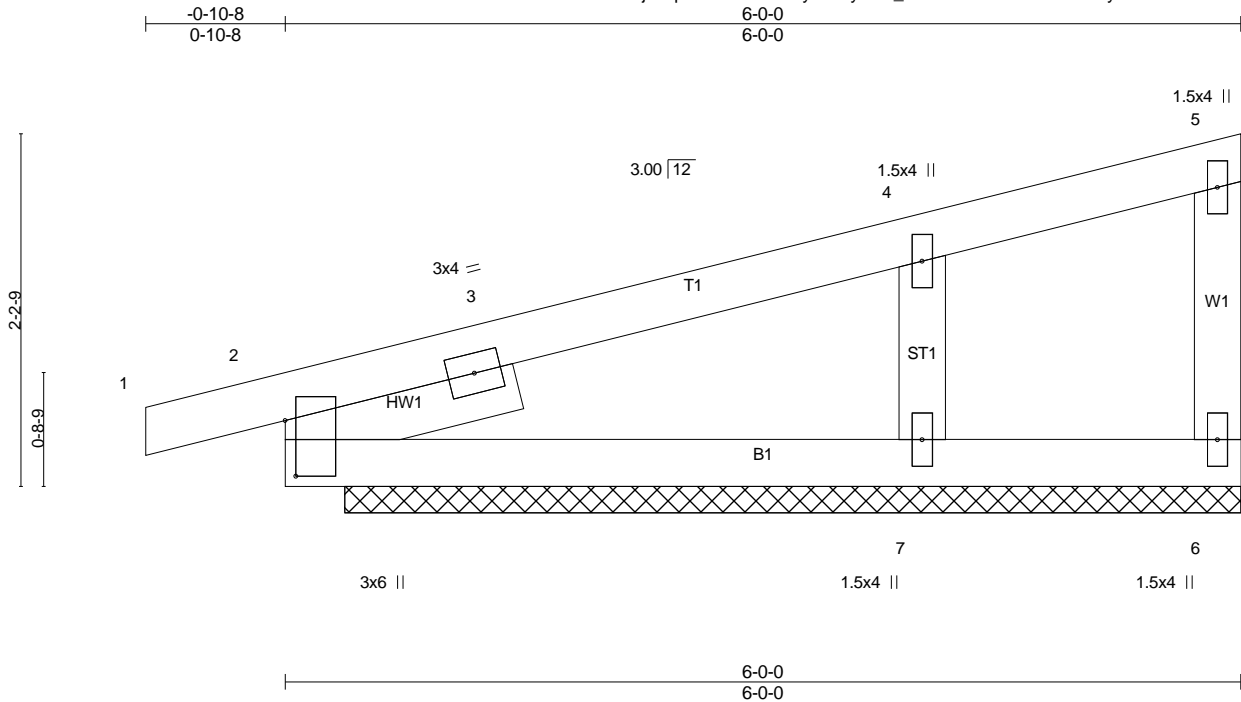
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Gable studs spaced at 2'-0-0 oc.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
 - 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 2, 8, and 9. This connection is for uplift only and does not consider lateral forces.
 - 7) Non Standard bearing condition. Review required.
 - 8) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	M4E1	Monopitch Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:31 2020 Page 1
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LOADING (psf)		SPACING-		CSI.	DEFL.			PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	in	(loc)	l/defl	L/d	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	Vert(LL)	-0.00	1	n/r		
BCLL	0.0 *	Rep Stress Incr	YES	WB	Vert(CT)	0.00	1	n/r		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P	Horz(CT)	0.00	6	n/a		
									Weight: 26 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 - ü 1-6-0	

REACTIONS. (lb/size) 6=16/5-7-8 (min. 0-1-8), 2=191/5-7-8 (min. 0-1-8), 7=313/5-7-8 (min. 0-1-8)
 Max Horz 2=73(LC 9)
 Max Uplift 6=-2(LC 9), 2=-53(LC 8), 7=-72(LC 12)

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

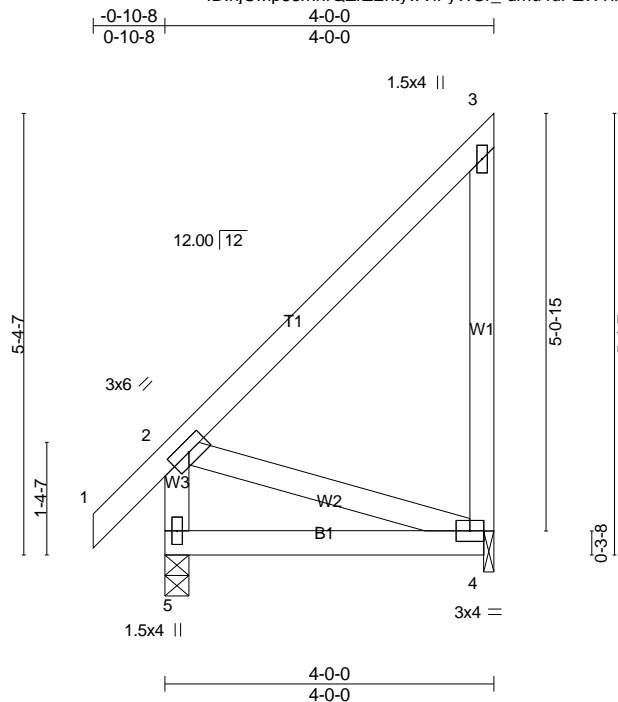
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Gable studs spaced at 2-0-0 oc.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at it(s) 6, 2, and 7. This connection is for uplift only and does not consider lateral forces.
 - 7) Non Standard bearing condition. Review required.
 - 8) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	M7	Monopitch	10	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:32 2020 Page 1
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Scale = 1:28.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) -0.01 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.09	Vert(CT) -0.02 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 4 n/a n/a		
	Code IRC2015/TPI2014			Weight: 30 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=218/0-3-8 (min. 0-1-8), 4=140/0-1-8 (min. 0-1-8)
 Max Horz 5=199(LC 9)
 Max Uplift 5=23(LC 8), 4=119(LC 9)
 Max Grav 5=251(LC 20), 4=200(LC 19)

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

BOT CHORD 4-5=-343/312
 WEBS 2-4=-254/294

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

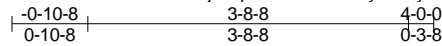
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M7A	Half Hip	1	1	Job Reference (optional)

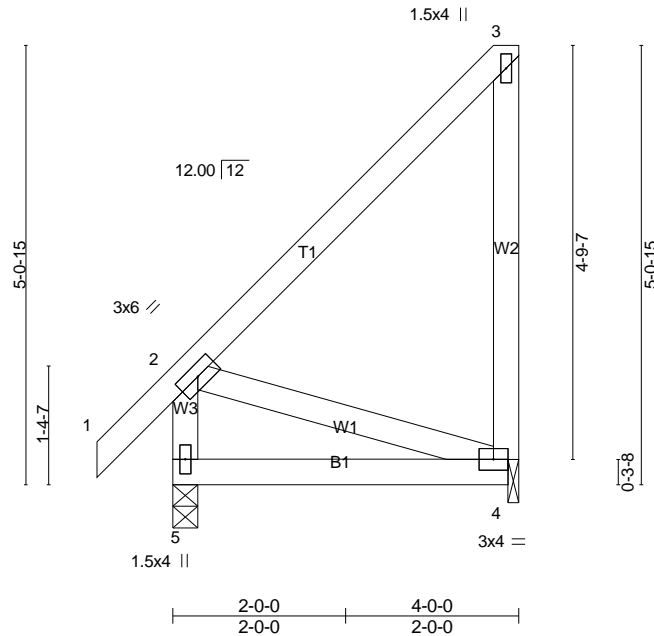
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:34 2020 Page 1

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Scale = 1:26.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.16	Vert(CT)	-0.02	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP							
									Weight: 30 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=218/0-3-8 (min. 0-1-8), 4=140/0-1-8 (min. 0-1-8)
 Max Horz 5=199(LC 9)
 Max Uplift 5=23(LC 8), 4=119(LC 9)
 Max Grav 5=251(LC 20), 4=200(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 BOT CHORD 4-5=-343/312
 WEBS 2-4=-254/294

NOTES-

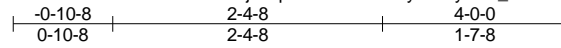
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	M7B	Half Hip	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:35 2020 Page 1
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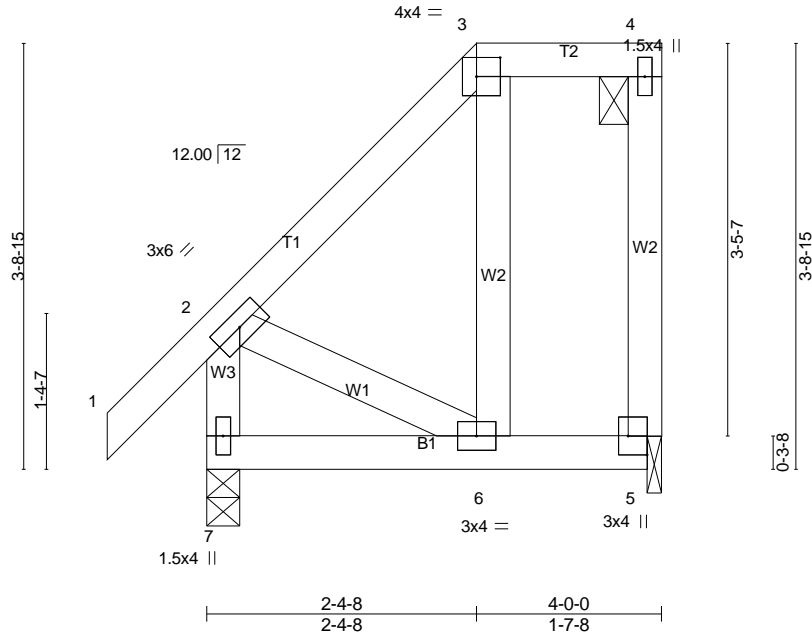


Plate Offsets (X,Y)-- [3:0-2-8,0-2-0], [5:Edge,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.21	Vert(LL)	0.02	6-7	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.21	Vert(CT)	-0.02	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS							
									Weight: 30 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 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=218/0-3-8 (min. 0-1-8), 5=140/0-1-8 (min. 0-1-8)
 Max Horz 7=145(LC 11)
 Max Uplift 7=-18(LC 12), 5=-79(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 BOT CHORD 6-7=-266/258

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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	Hicks Residence - Milltown
2000811-2000811A	M7C	Half Hip Girder	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:37 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-zkhzx6deqH?MlqyjMF6MWr1QCK5Be55MeZs2RUyW5pC

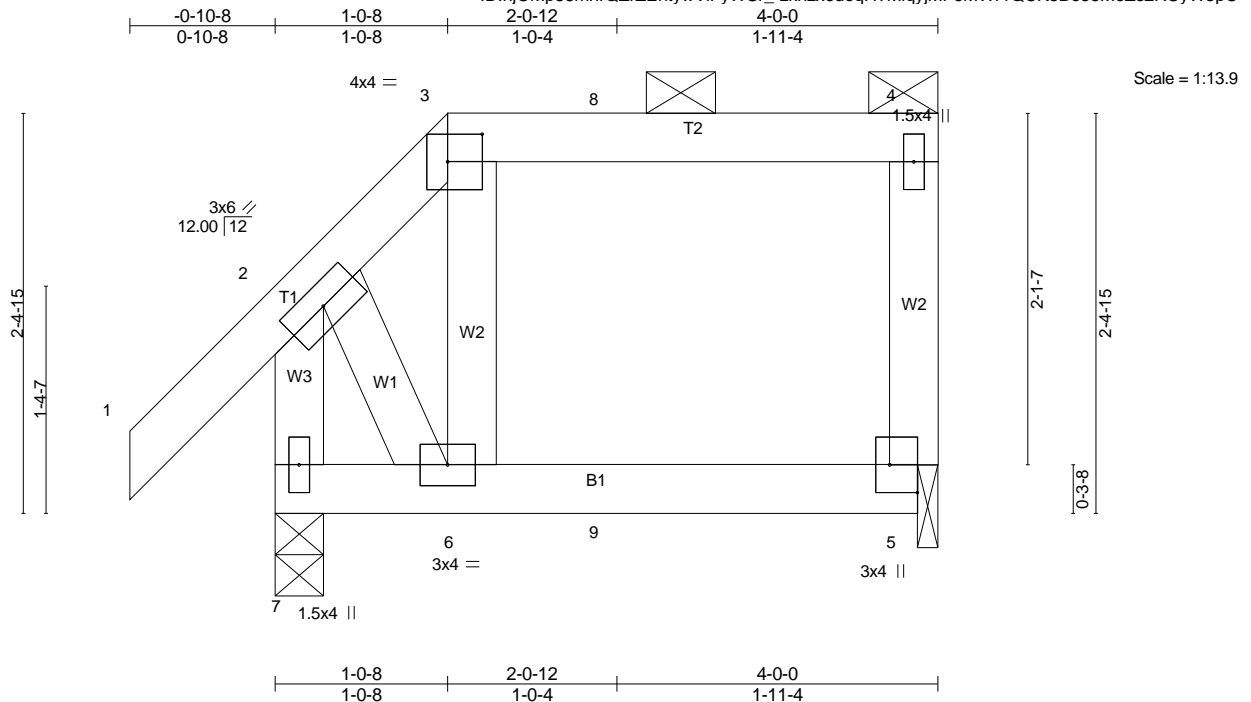


Plate Offsets (X,Y)-- [3:0-2-8,0-2-0], [5:Edge,0-2-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.17	Vert(LL) 0.01	6 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.13	Vert(CT) -0.01	5-6 >999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT) 0.00	5 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS				
						Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 7=218/0-3-8 (min. 0-1-8), 5=140/0-1-8 (min. 0-1-8)
 Max Horz 7=95(LC 9)
 Max Uplift 7=-47(LC 12), 5=-65(LC 9)
 Max Grav 7=218(LC 1), 5=141(LC 24)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 67 lb up at 2-0-12 on top chord, and 14 lb down and 15 lb up at 2-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

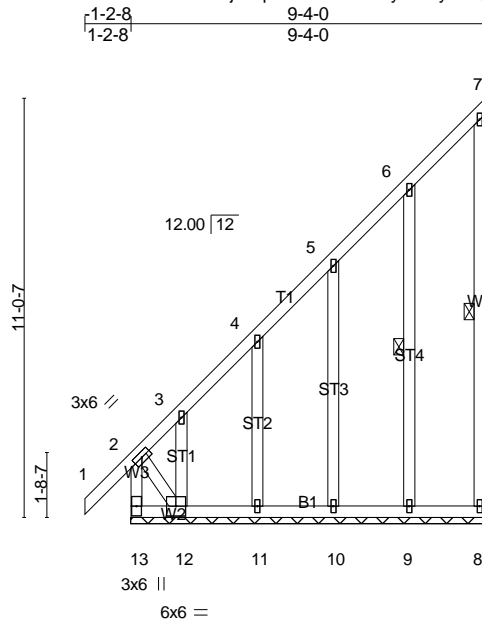
LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	M8	Monopitch Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:39 2020 Page 1
 ID:hjOMp88mnrQZrZEntywVIFyWSr_-w6pkMoevMvF4_856Ug9qbG7lw7nP6xHe6tL9WMYw5pA



Scale = 1:60.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.22	Vert(LL)	0.00	1	n/r	120	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	0.00	1	n/r	90	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.19	Horz(CT)	-0.00	8	n/a	n/a	
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 89 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13.
 WEBS 1 Row at midpt 7-8, 6-9

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

REACTIONS.

All bearings 9-4-0.
 (lb) - Max Horz 13=374(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 8 except 13=-228(LC 10), 9=-109(LC 12), 10=-106(LC 12), 11=-114(LC 12), 12=-527(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 8, 9, 10, 11 except 13=737(LC 12), 12=284(LC 10)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-781/581, 2-3=-466/415, 3-4=-400/330, 4-5=-280/232
 BOT CHORD 12-13=-407/322
 WEBS 2-12=-518/653

NOTES-

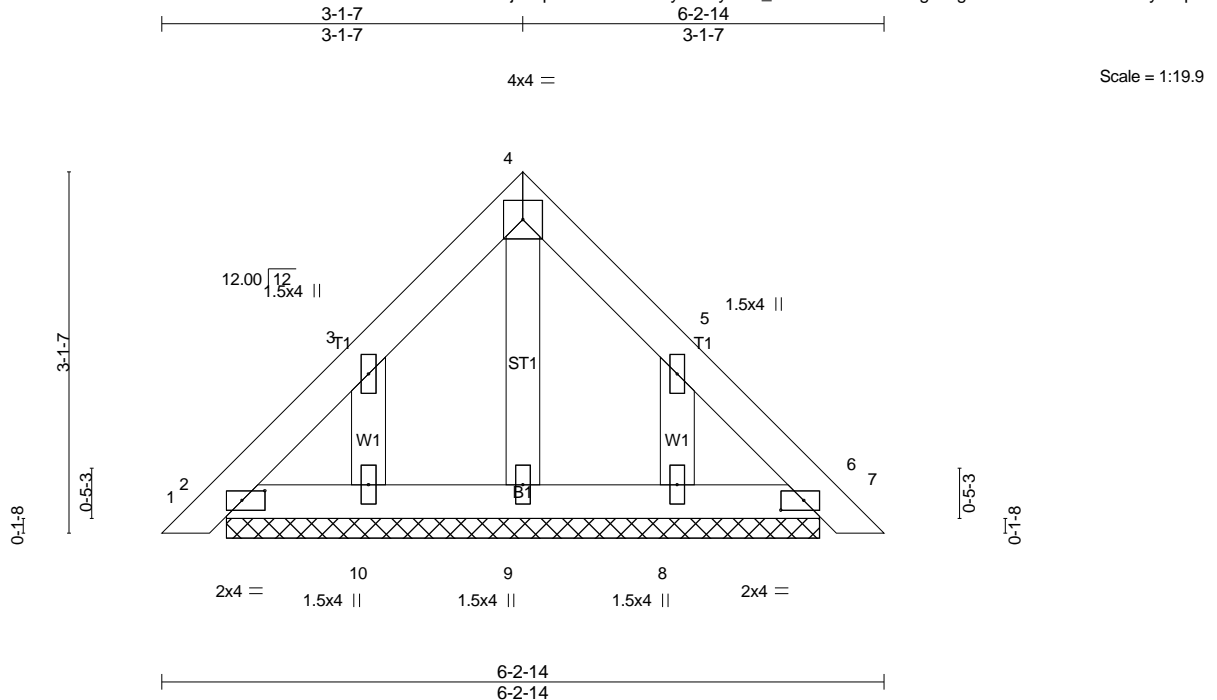
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) All plates are 1.5x4 MT20 unless otherwise indicated.
- 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 2-0-0 oc.
- 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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13, 8, 9, 10, 11, and 12. This connection is for uplift only and does not consider lateral forces.
- 10) This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	PB1	Piggyback	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:40 2020 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	in	(loc)	l/defl	L/d	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(LL)	0.00	6	n/r		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Vert(CT)	0.00	6	n/r		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Horz(CT)	0.00	6	n/a	n/a	
										Weight: 27 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 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 5-1-8.
 (lb) - Max Horz 2=-72(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
 Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-

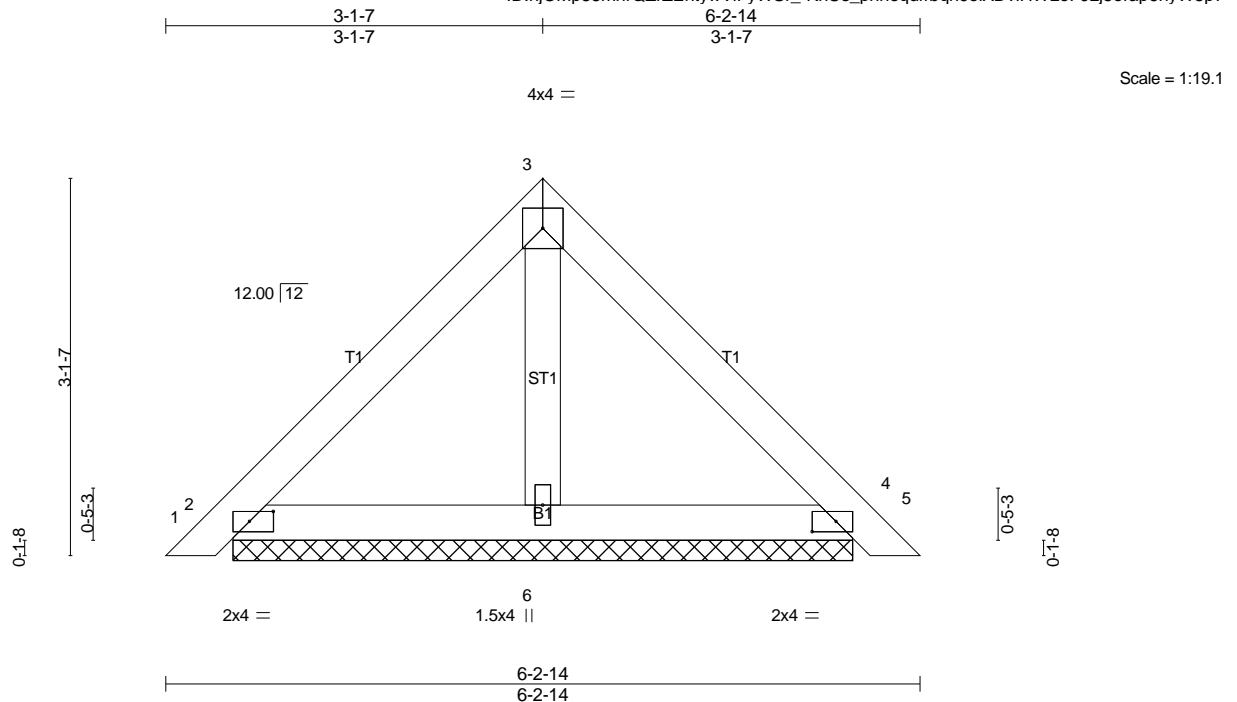
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000811-2000811A	PB2	Piggyback	12	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:42 2020 Page 1
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Scale = 1:19.1

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	0.00	5	n/r	120	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	5	n/r	90	Weight: 24 lb FT = 20%		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P									

LUMBER-

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

BRACING-

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

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

REACTIONS. (lb/size) 2=146/5-1-8 (min. 0-1-8), 4=146/5-1-8 (min. 0-1-8), 6=159/5-1-8 (min. 0-1-8)
 Max Horz 2=-72(LC 10)
 Max Uplift 2=-34(LC 13), 4=-40(LC 13)
 Max Grav 2=146(LC 1), 4=146(LC 1), 6=160(LC 3)

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

NOTES-

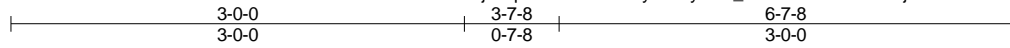
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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	Hicks Residence - Milltown
2000811-2000811A	PB3	Piggyback	2	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:43 2020 Page 1
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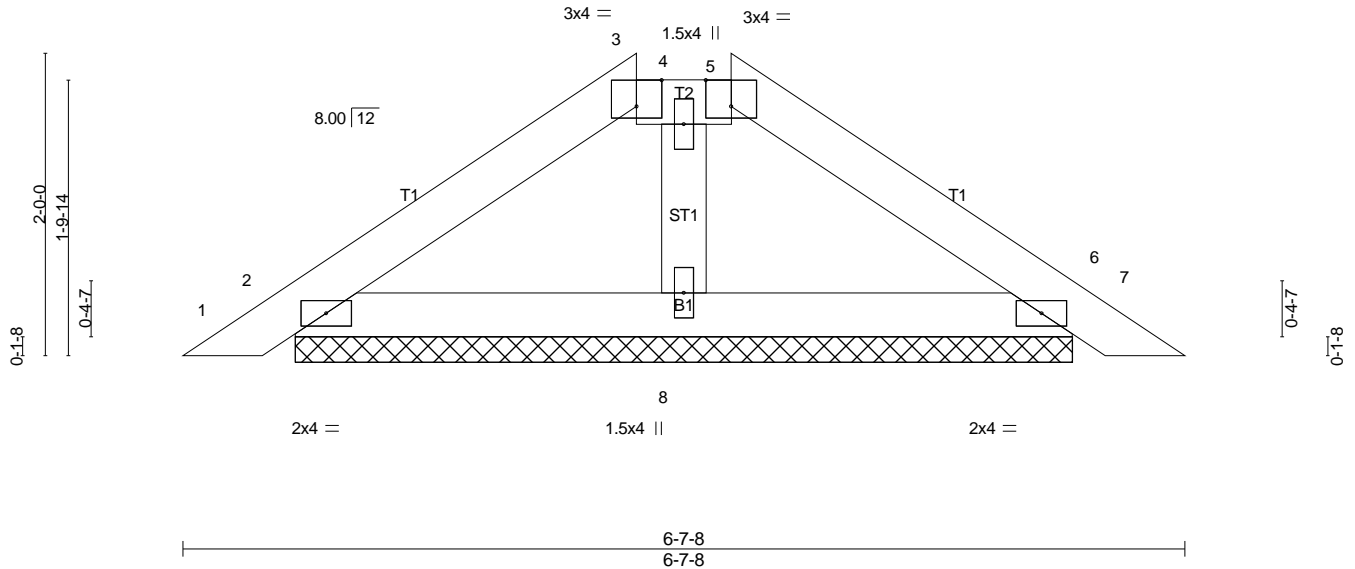


Plate Offsets (X,Y)-- [3:0-2-0,Edge], [5:0-2-0,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL) 0.00 7 n/r 120	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.07	Vert(CT) 0.00 7 n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S			Weight: 21 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	2-0-0 oc purlins (6-0-0 max.): 3-5.
OTHERS 2x4 SP No.3	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=136/5-1-10 (min. 0-1-8), 6=136/5-1-10 (min. 0-1-8), 8=196/5-1-10 (min. 0-1-8)
 Max Horz 2=-43(LC 10)
 Max Uplift 2=-33(LC 12), 6=-39(LC 13)

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

NOTES-

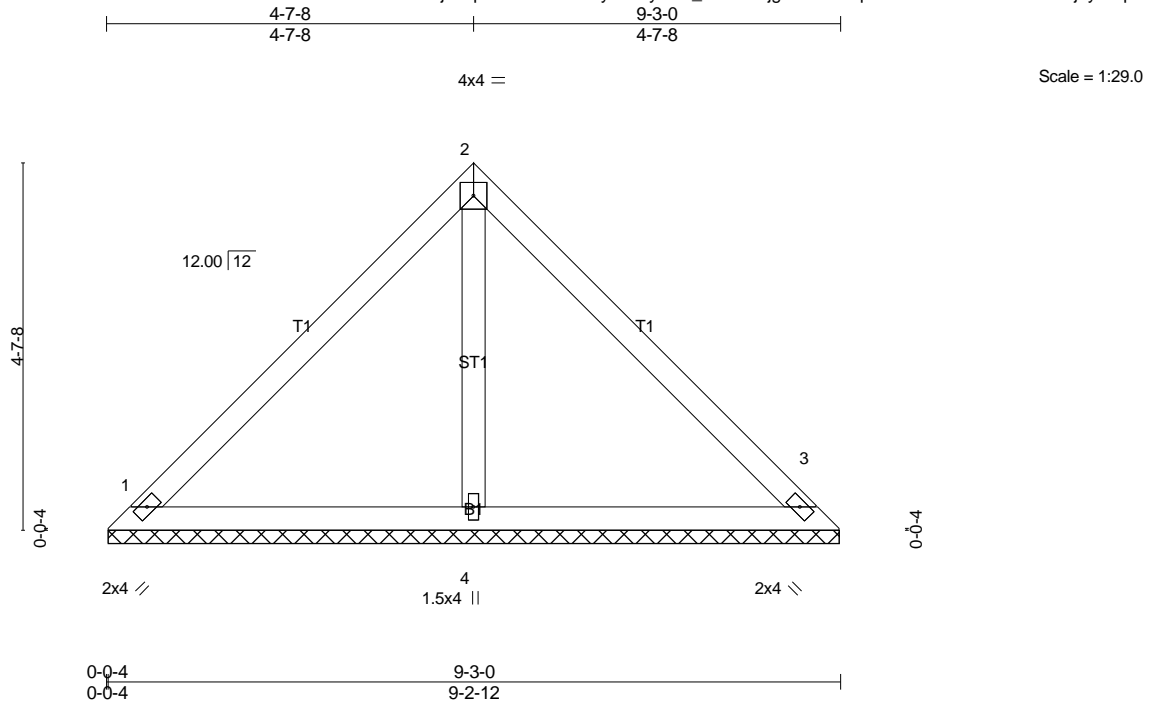
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- Graphical 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	Hicks Residence - Milltown
2000811-2000811A	V1	Valley	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:45 2020 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.31	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 38 lb	FT = 20%

LUMBER-

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

BRACING-

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

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

REACTIONS. (lb/size) 1=190/9-2-8 (min. 0-1-8), 3=190/9-2-8 (min. 0-1-8), 4=304/9-2-8 (min. 0-1-8)
 Max Horz 1=106(LC 9)
 Max Uplift 1=-37(LC 13), 3=-37(LC 13), 4=-5(LC 12)

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

NOTES-

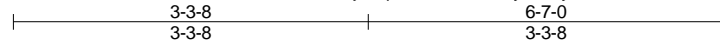
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1, 3, and 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	V2	Valley	1	1	Job Reference (optional)

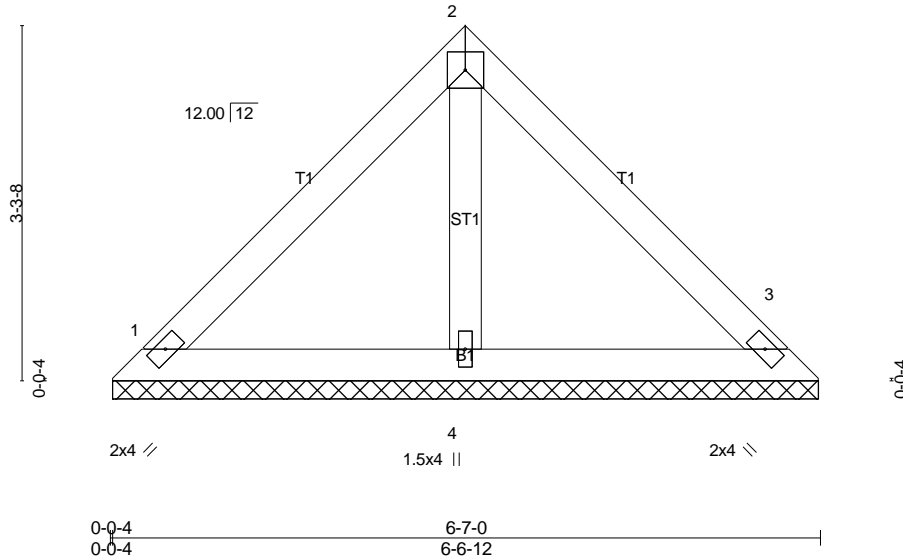
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:47 2020 Page 1
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4x4 =

Scale = 1:21.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 26 lb	FT = 20%

LUMBER-

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

BRACING-

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

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

REACTIONS. (lb/size) 1=140/6-6-8 (min. 0-1-8), 3=140/6-6-8 (min. 0-1-8), 4=189/6-6-8 (min. 0-1-8)
 Max Horz 1=73(LC 9)
 Max Uplift1=-35(LC 13), 3=-35(LC 13)

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

NOTES-

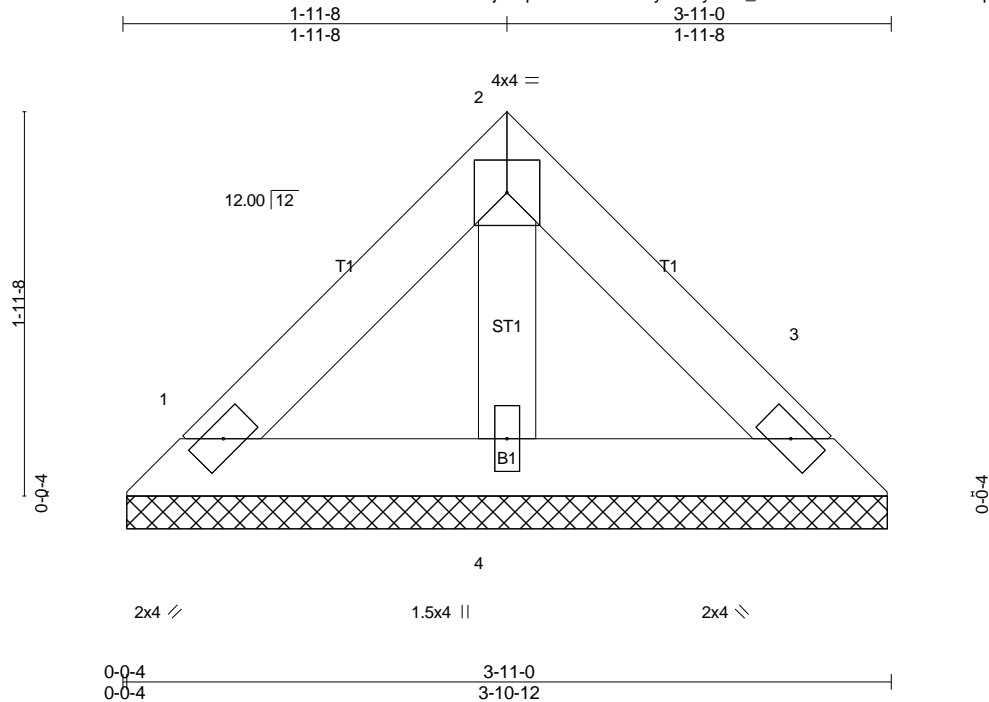
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 3. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2015 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	Hicks Residence - Milltown
2000811-2000811A	V3	Valley	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 15:57:52 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-1c5e5Eo3luuE28bclvutd09?pNDxftLZ5O?LS6yW5oz



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.05	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P					Weight: 15 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-0 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=77/3-10-8 (min. 0-1-8), 3=77/3-10-8 (min. 0-1-8), 4=103/3-10-8 (min. 0-1-8)
 Max Horz 1=-40(LC 8)
 Max Uplift1=-19(LC 13), 3=-19(LC 13)

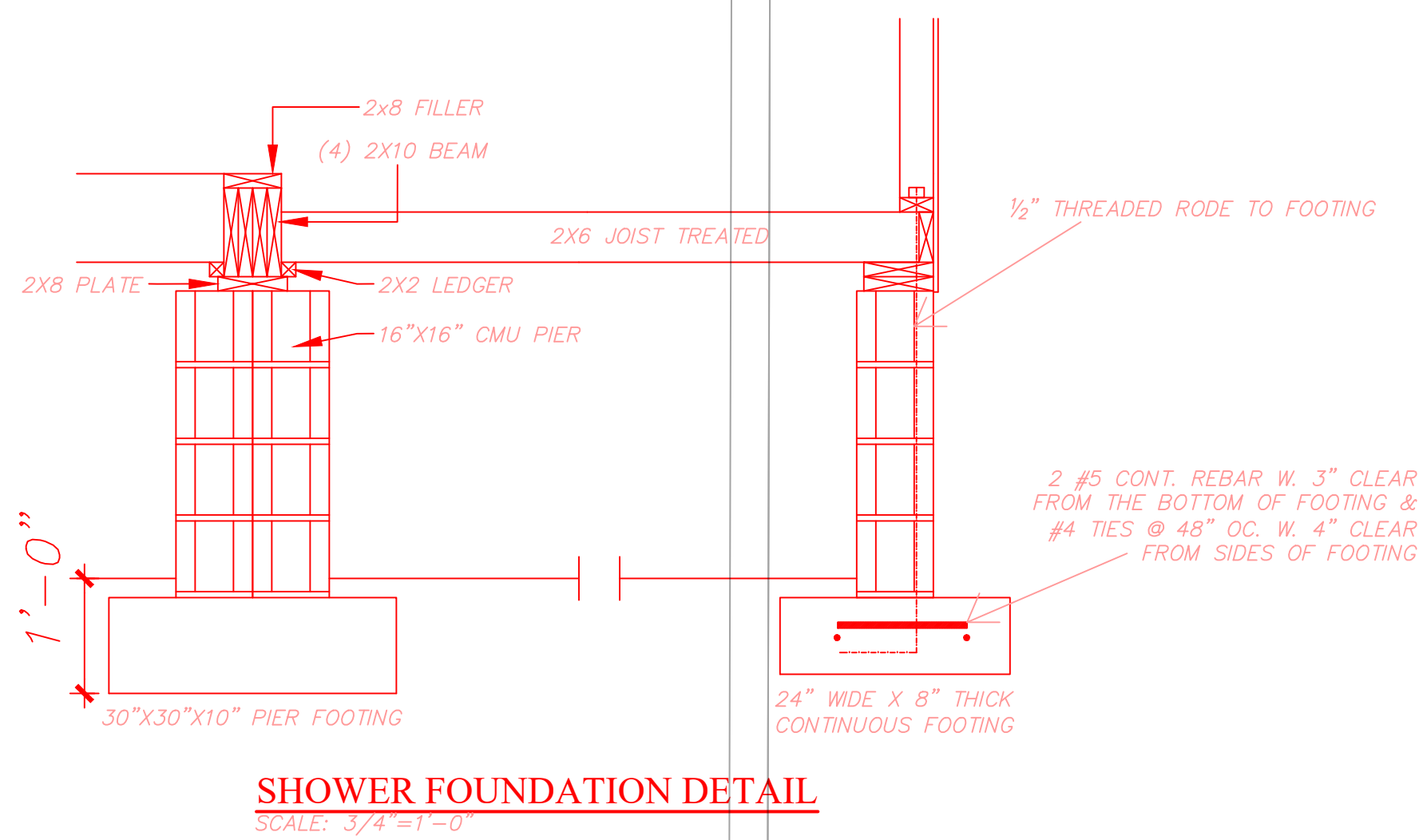
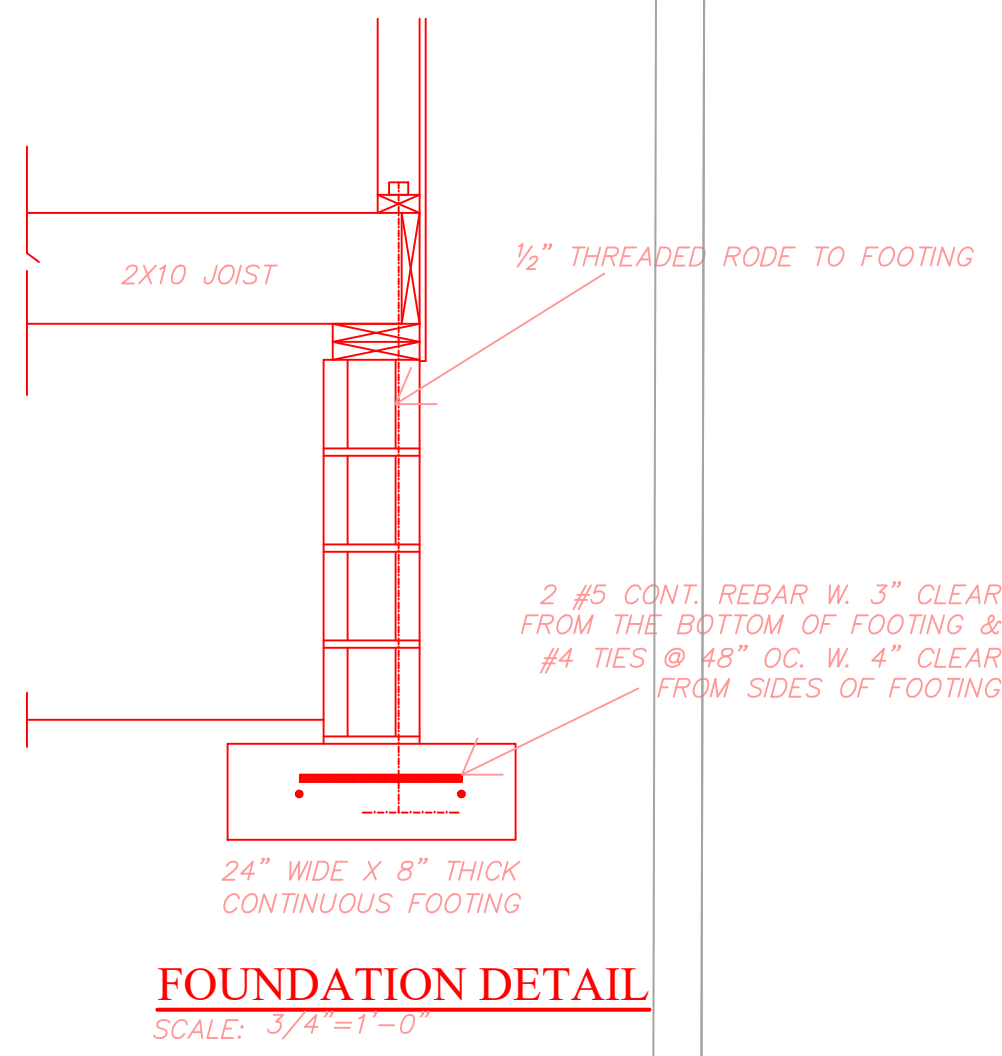
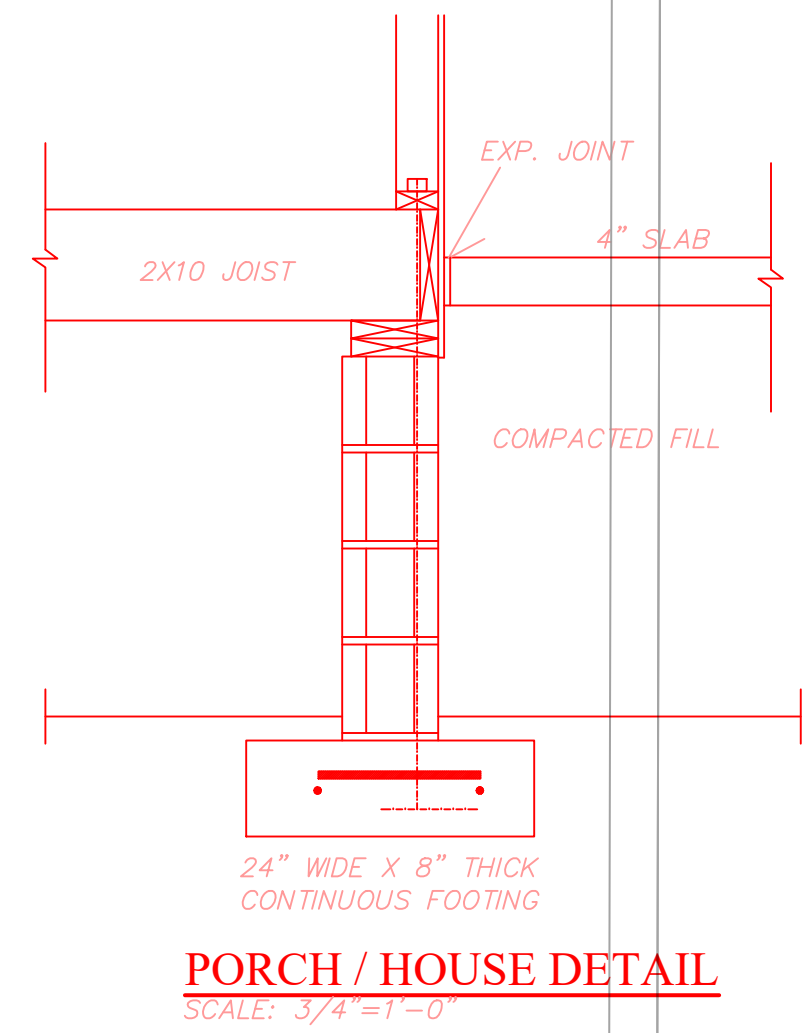
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
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- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

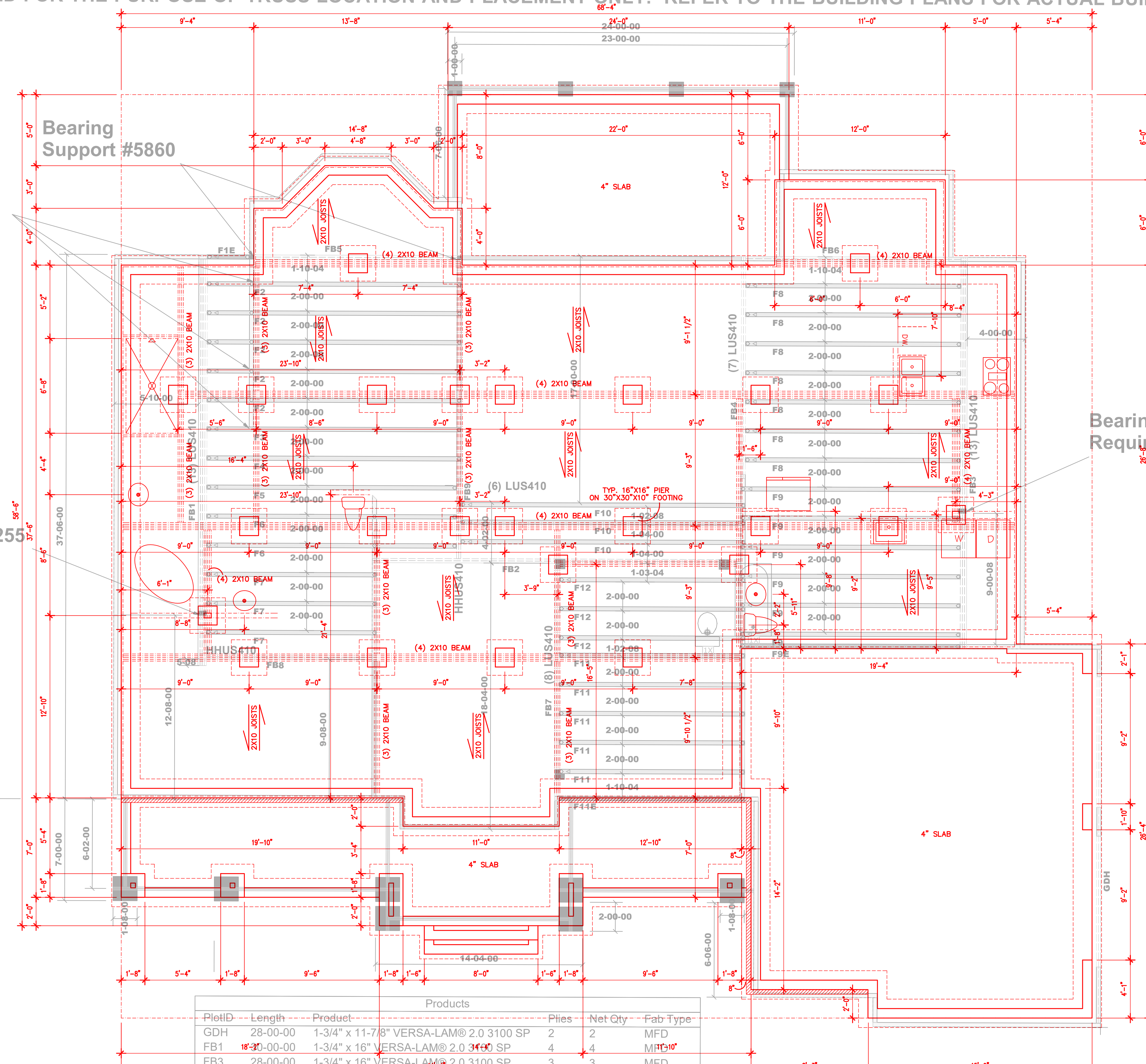
THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



Bearing Wall Required

Bearing Post Required #12255

Bearing Post Required #12255



PlotID	Length	Product	Piles	Net Qty	Fab Type
GDH	28-00-00	1-3/4" x 11-7/8" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB1	18-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	4	4	MFD
FB3	28-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	3	3	MFD
FB2	26-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB7	18-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB4	16-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB5	16-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB6	16-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB8	12-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD
FB9	6-00-00	1-3/4" x 16" VERSA-LAM@ 2.0 3100 SP	2	2	MFD

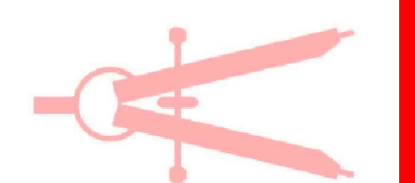
All Walls Shown Assumed As Bearing

Crawl Level Floor Area	1st Level Floor Area	2nd Level Floor Area
0	1510.78	0

FOUNDATION PLAN
FLOOR SYSTEM TBD AFTER TRUSS DESIGNS
FOUNDATION HEIGHT & STEPS MAY VARY FROM PLAN BASED ON SITE CONDITIONS
ALL INT. LOAD POINTS TBD BY TRUSS MANUFACTURER
OUR JOISTS FROM EVERY OUTSIDE CORNER AND EVERY 12'

It is the responsibility of the builder to assure that all work is in accordance with the latest edition of all applicable National, State, and Local Building Codes. It is the responsibility of the builder to check all dimension and details for overall accuracy appropriate to the local on site conditions. The draftsman is not an architectural firm and stands no liability for structural or architectural integrity. Every effort has been made to ensure all dimensions are correct and governmental regulations have been met. An error or omission does occur it is the sole responsibility of the contractor to correct the error and not the responsibility of the draftsman. This plan has been prepared for the contractor and the Draftsman has no knowledge of, or is responsible for, any copy right infringement. The contractor takes sole responsibility for everything on this plan.

J Lee Designs
Dream. Create. Live.



HICKS
FOUNDATION

SCALE : 1/4" = 1'-0"

SEPTEMBER 24TH, 2020

A1