Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483
843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 43966
JOB: 23-B588-F01
JOB NAME: LOT 0.0099 BLAKE POND
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2015 as well as IRC 2018.
22 Truss Design(s)

Trusses:
F101, F102, F103, F104, F105, F107, F107A, F108, F109, F110, F111, F112, F113, F114, F115, F116, F117, F118, F119, F120, F121, F122

1/6/2024
Mark Morris

Warning !—Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for*

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F101	Floor Supported Gable	1	1	Job Reference (optional) **# 43966**

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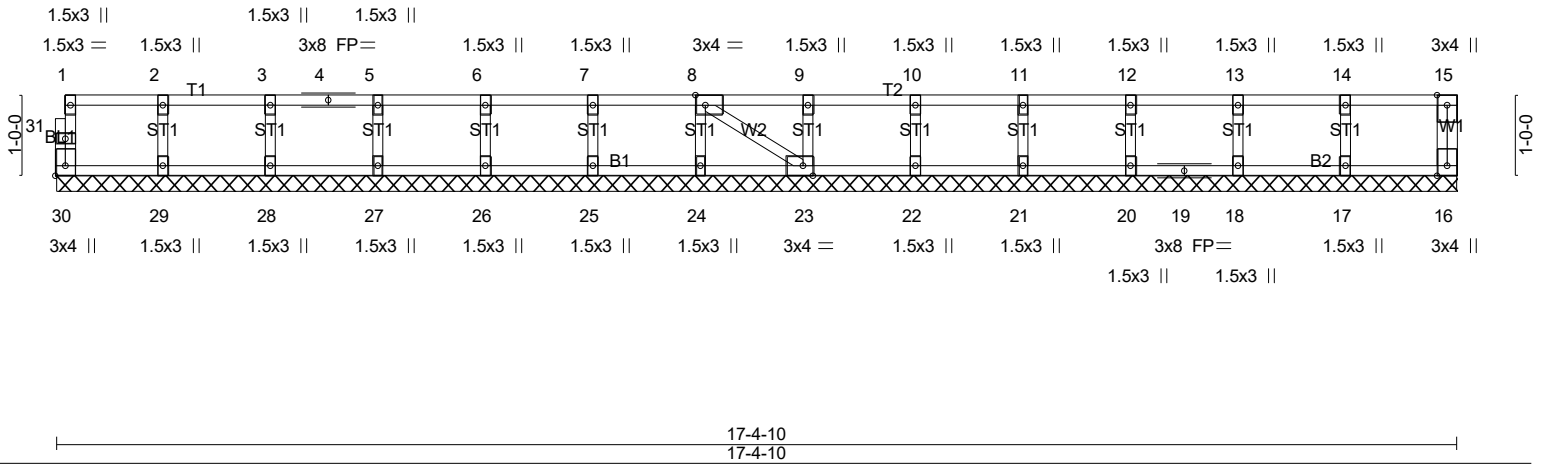

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [23:0-1-8,Edge], [30:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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 17-4-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 18, 17

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

NOTES- (6)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F102	Floor	10	1	Job Reference (optional) **# 43966**

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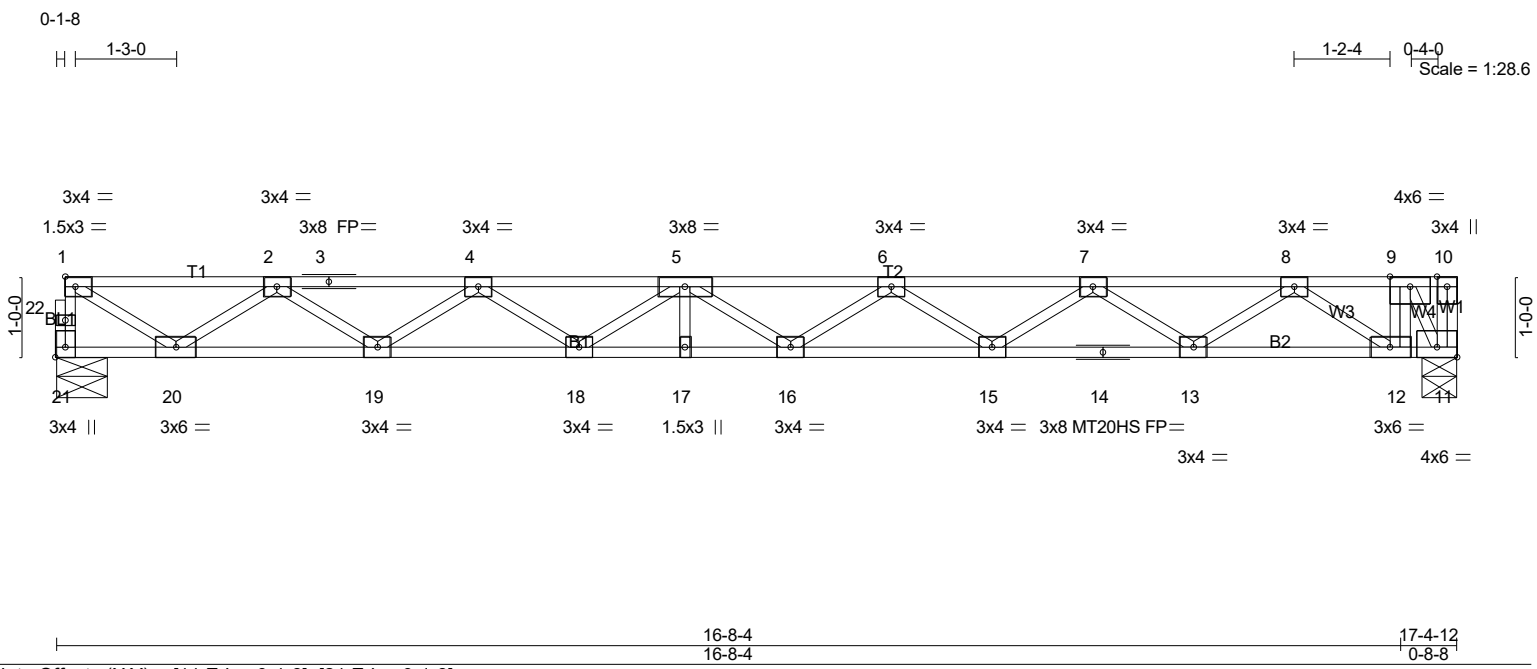

Plate Offsets (X,Y)-- [11:Edge,0-1-8], [21:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.24	16	>868	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.36	16	>568	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 21=654/0-7-14 (min. 0-1-8), 11=1479/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 21-22=-651/0, 1-22=-649/0, 1-2=-915/0, 2-3=-2260/0, 3-4=-2260/0, 4-5=-3055/0, 5-6=-3339/0, 6-7=-3077/0, 7-8=-2290/0, 8-9=-962/0
BOT CHORD 19-20=0/1723, 18-19=0/2773, 17-18=0/3328, 16-17=0/3328, 15-16=0/3327, 14-15=0/2805, 13-14=0/2805, 12-13=0/1747, 11-12=0/962
WEBS 9-12=0/527, 1-20=0/1044, 2-20=-987/0, 2-19=0/655, 4-19=-626/0, 4-18=0/344, 5-18=-329/0, 6-15=-305/0, 7-15=0/332, 7-13=-629/0, 8-13=0/662, 8-12=-944/0, 9-11=-1734/0

NOTES- (5)
1) All plates are MT20 plates unless otherwise indicated.
2) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) 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.
4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 9=-880
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-21=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 9=-880

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F103	Floor	8	1	Job Reference (optional) **# 43966**

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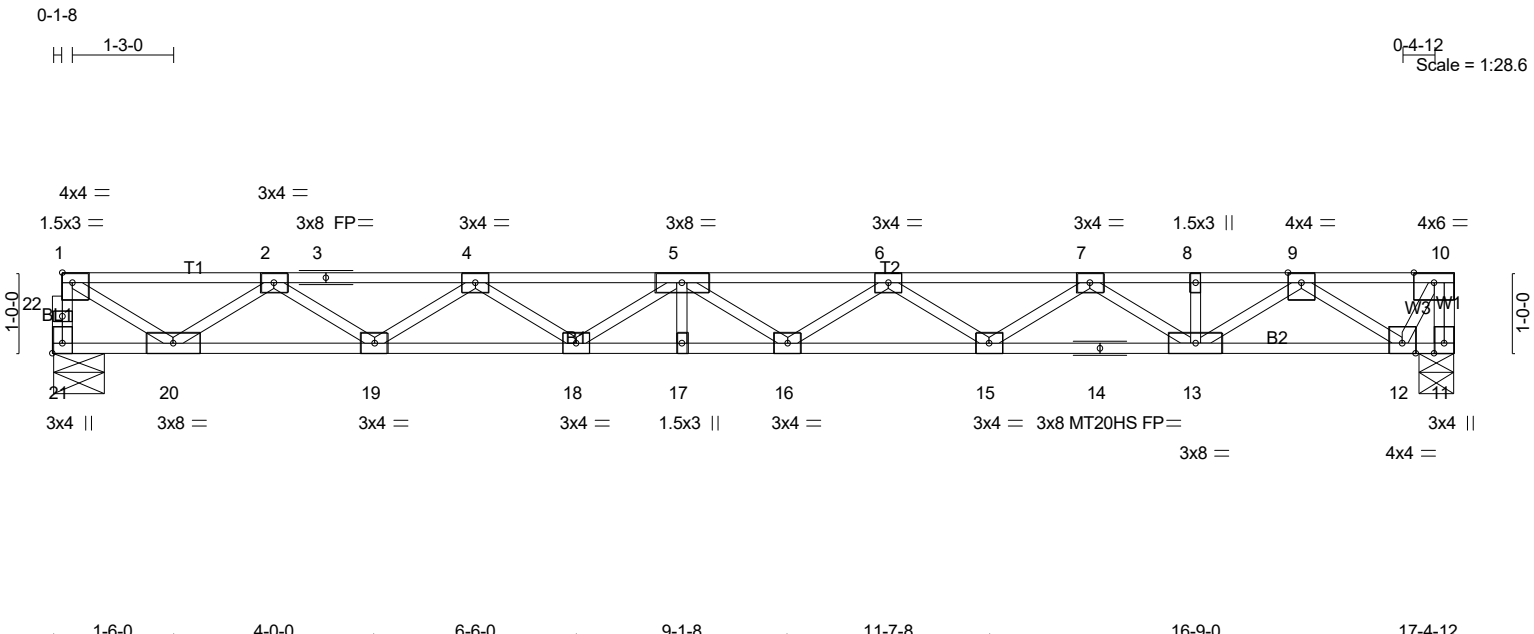

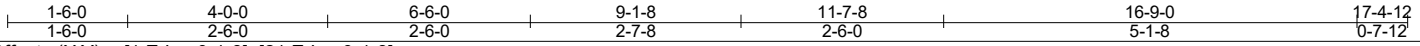

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [21:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.28	16-17	>723	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.39	16-17	>526	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 87 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 21=749/0-7-14 (min. 0-1-8), 11=754/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 21-22=-744/0, 1-22=-743/0, 10-11=-757/0, 1-2=-1041/0, 2-3=-2552/0, 3-4=-2552/0, 4-5=-3403/0, 5-6=-3638/0, 6-7=-3217/0, 7-8=-2171/0, 8-9=-2171/0, 9-10=-415/0
BOT CHORD 19-20=0/1960, 18-19=0/3116, 17-18=0/3677, 16-17=0/3677, 15-16=0/3575, 14-15=0/2829, 13-14=0/2829, 12-13=0/1384
WEBS 1-20=0/1188, 2-20=-1121/0, 2-19=0/723, 4-19=-688/0, 4-18=0/350, 5-18=-330/0, 6-15=-438/0, 7-15=0/473, 7-13=-791/0, 9-13=0/946, 9-12=-1182/0, 10-12=0/812

NOTES- (4)
1) All plates are MT20 plates unless otherwise indicated.
2) 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.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F104	Floor	2	1	# 43966
					Job Reference (optional)

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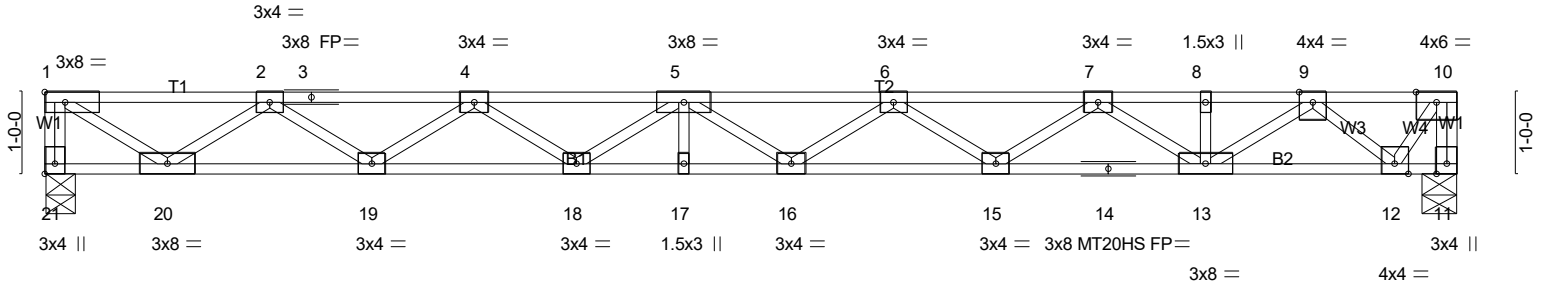
1-3-0 1-0-0 0-6-2

Scale = 1:28.2



1-6-0 4-0-0 6-6-0 9-1-8 11-7-8 16-6-0 17-3-2
1-6-0 2-6-0 2-6-0 2-7-8 2-6-0 4-10-8 0-9-2

Plate Offsets (X,Y)-- [21:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.28	16-17	>740	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.38	16-17	>538	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 87 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 21=748/0-4-8 (min. 0-1-8), 11=748/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-742/0, 10-11=-747/0, 1-2=-1030/0, 2-3=-2527/0, 3-4=-2527/0, 4-5=-3360/0, 5-6=-3577/0, 6-7=-3139/0, 7-8=-2077/0, 8-9=-2077/0, 9-10=-503/0
BOT CHORD 19-20=0/1944, 18-19=0/3081, 17-18=0/3626, 16-17=0/3626, 15-16=0/3506, 14-15=0/2743, 13-14=0/2743, 12-13=0/1278
WEBS 1-20=0/1221, 2-20=-1116/0, 2-19=0/712, 4-19=-676/0, 4-18=0/340, 5-18=-319/0, 6-15=-448/0, 7-15=0/483, 7-13=-801/0, 9-13=0/960, 9-12=-1029/0, 10-12=0/857

NOTES- (3)
1) All plates are MT20 plates unless otherwise indicated.
2) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F105	Floor	4	1	Job Reference (optional) **# 43966**

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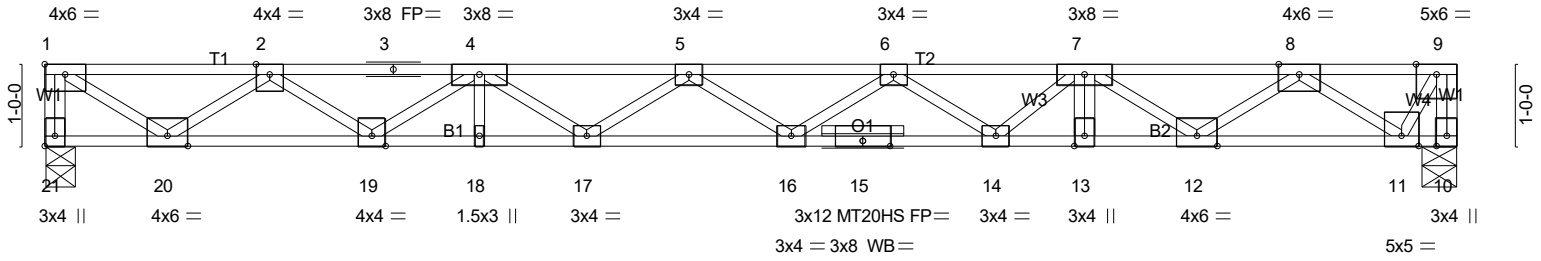
1-3-0 0-11-8 0-5-2

Scale = 1:28.2



12-8-8 17-3-2
12-8-8 4-6-10

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [21:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	-0.22	16	>937	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.48	16	>423	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 21=798/0-4-8 (min. 0-1-8), 10=1120/0-5-4 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-792/0, 9-10=-1120/0, 1-2=-1131/0, 2-3=-2870/0, 3-4=-2870/0, 4-5=-4107/0, 5-6=-4761/0, 6-7=-4896/0, 7-8=-3469/0, 8-9=-679/0
BOT CHORD 19-20=0/2140, 18-19=0/3615, 17-18=0/3615, 16-17=0/4556, 15-16=0/4942, 14-15=0/4942, 13-14=0/4829, 12-13=0/4829, 11-12=0/2194
WEBS 1-20=0/1340, 2-20=-1232/0, 2-19=0/891, 4-19=-895/0, 4-17=0/591, 5-17=-549/0, 7-12=-1616/0, 8-12=0/1556, 8-11=-1849/0, 9-11=0/1273

NOTES- (6)
1) All plates are MT20 plates unless otherwise indicated.
2) The Fabrication Tolerance at joint 15 = 11%
3) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-21=-7, 1-9=-67
Concentrated Loads (lb)
Vert: 7=-670
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-21=-7, 1-9=-67
Concentrated Loads (lb)
Vert: 7=-670

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F107	FLOOR	5	1	Job Reference (optional) **# 43966**

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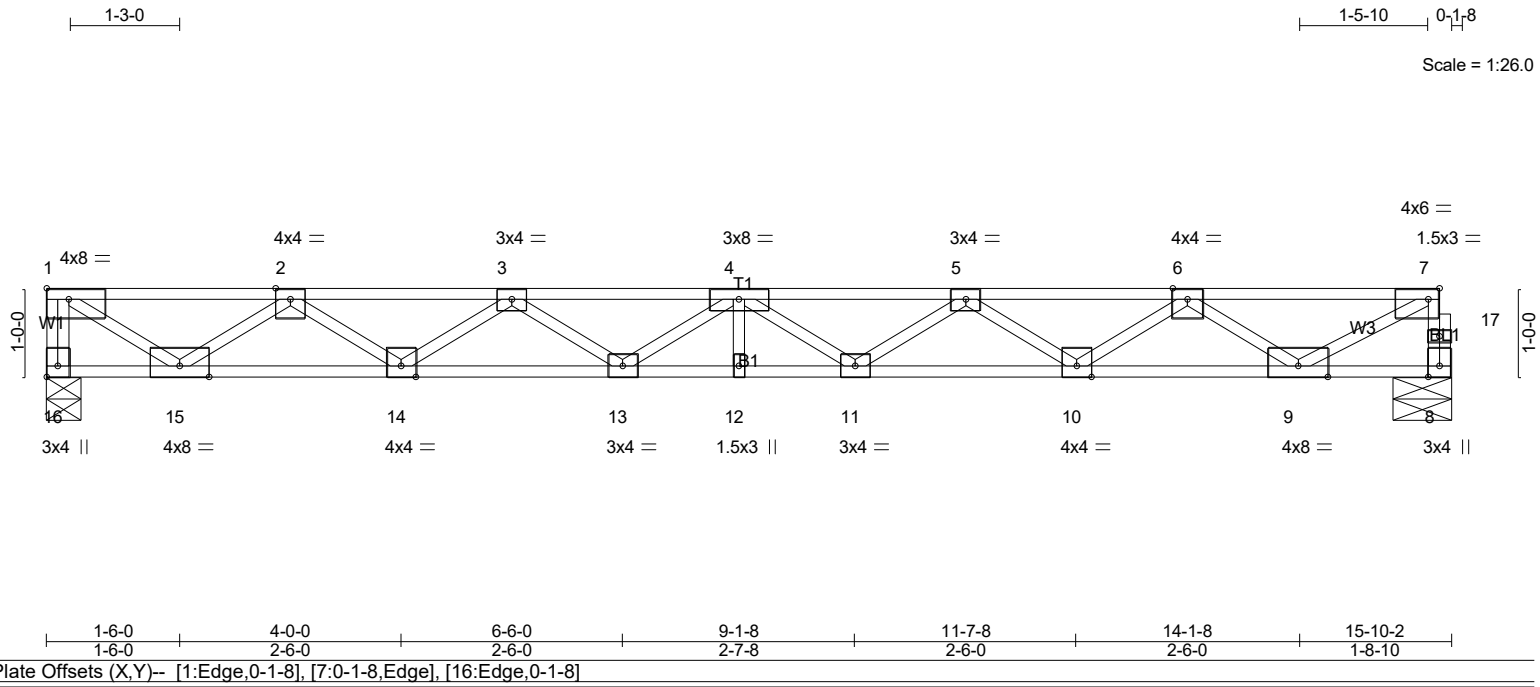

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.17	12	>999	480	MT20	244/190
TCDL	60.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.43	12	>431	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.07	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 12-13,11-12.

REACTIONS. (lb/size) 16=1092/0-4-8 (min. 0-1-8), 8=1083/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1084/0, 8-17=-1077/0, 7-17=-1075/0, 1-2=-1479/0, 2-3=-3581/0, 3-4=-4628/0, 4-5=-4672/0, 5-6=-3717/0, 6-7=-1691/0
BOT CHORD 14-15=0/2807, 13-14=0/4332, 12-13=0/4913, 11-12=0/4913, 10-11=0/4419, 9-10=0/2991
WEBS 1-15=0/1753, 2-15=-1620/0, 2-14=0/945, 3-14=-917/0, 3-13=0/360, 4-13=-344/0, 4-11=-290/0, 5-11=0/309, 5-10=-857/0, 6-10=0/886, 6-9=-1587/0, 7-9=0/1859

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F107A	Floor	1	1	Job Reference (optional) **# 43966**

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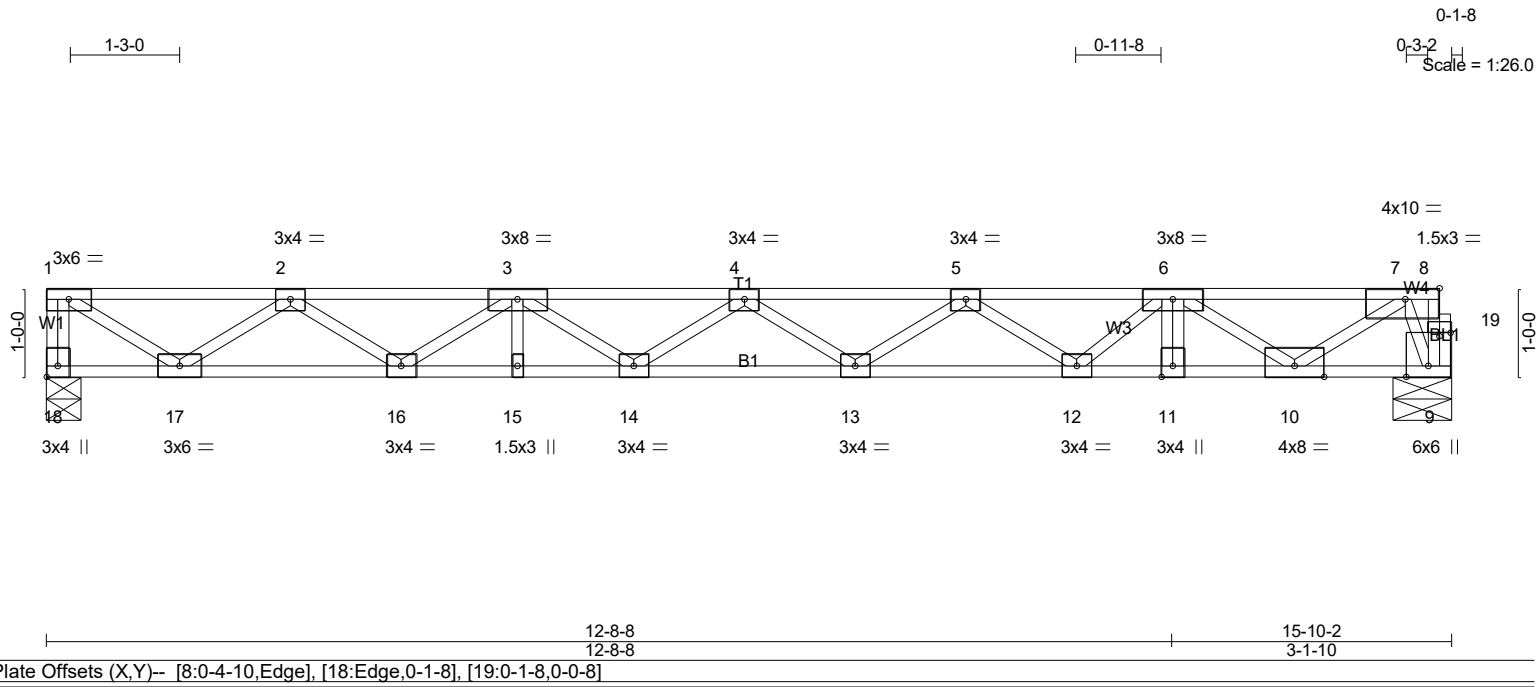

Plate Offsets (X,Y)-- [8:0-4-10,Edge], [18:Edge,0-1-8], [19:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.16	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.34	13-14	>545	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(CT)	0.06	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 18=701/0-4-8 (min. 0-1-8), 9=1109/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-695/0, 1-2=-980/0, 2-3=-2444/0, 3-4=-3392/0, 4-5=-3769/0, 5-6=-3630/0, 6-7=-1934/0
BOT CHORD 16-17=0/1851, 15-16=0/3042, 14-15=0/3042, 13-14=0/3703, 12-13=0/3813, 11-12=0/3441, 10-11=0/3441, 9-10=0/522
WEBS 1-17=0/1161, 2-17=-1064/0, 2-16=0/723, 3-16=-719/0, 3-14=0/420, 4-14=-380/0, 6-10=-1790/0, 7-10=0/1723, 7-9=-1313/0

NOTES- (4)
1) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
2) 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.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-8=-67
Concentrated Loads (lb)
Vert: 6=-670
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-18=-7, 1-8=-67
Concentrated Loads (lb)
Vert: 6=-670

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F108	FLOOR	5	1	# 43966
					Job Reference (optional)

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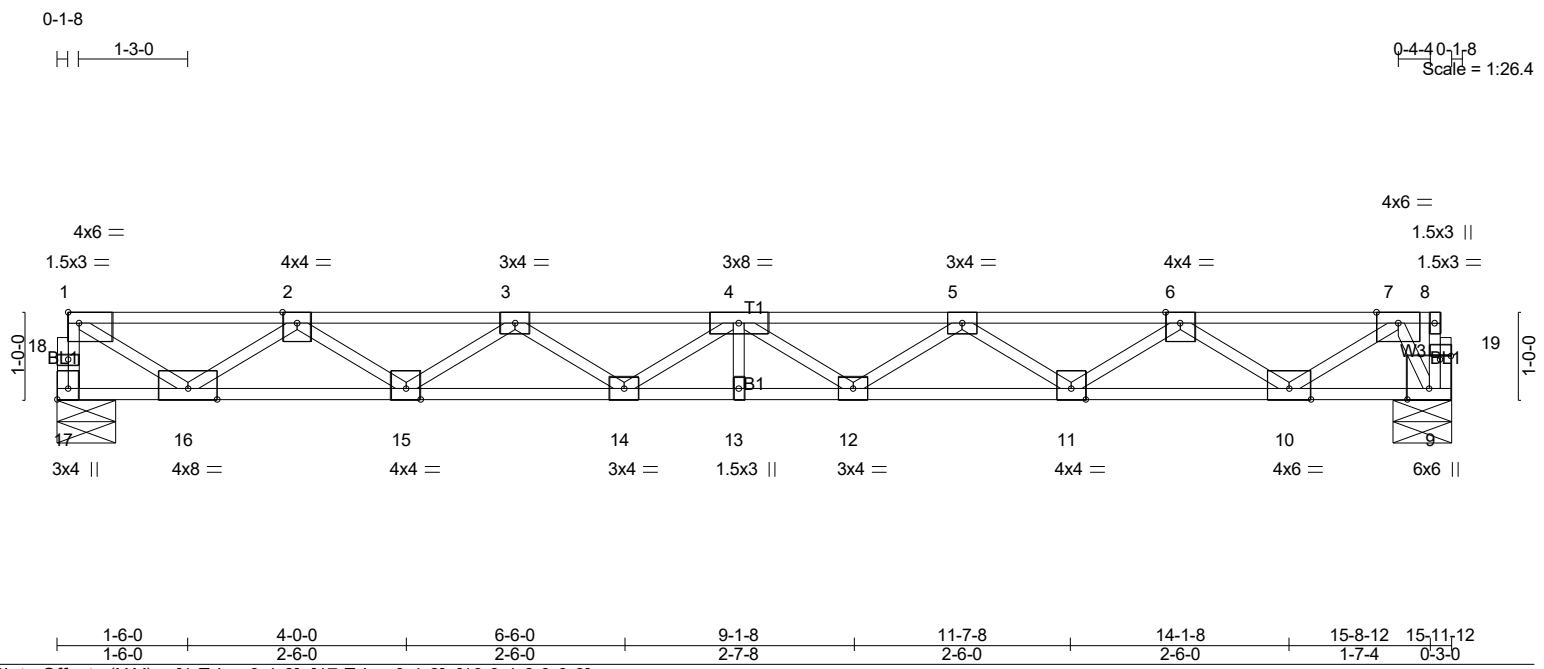

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [17:Edge,0-1-8], [19:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	-0.17	13	>999	480	MT20	244/190
TCDL	60.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.45	13	>423	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.07	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 13-14,12-13.

REACTIONS. (lb/size) 17=1093/0-7-14 (min. 0-1-8), 9=1093/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 17-18=-1088/0, 1-18=-1086/0, 1-2=-1497/0, 2-3=-3621/0, 3-4=-4696/0, 4-5=-4772/0, 5-6=-3828/0, 6-7=-1881/0
BOT CHORD 15-16=0/2831, 14-15=0/4389, 13-14=0/4993, 12-13=0/4993, 11-12=0/4538, 10-11=0/3096, 9-10=0/646
WEBS 1-16=0/1706, 2-16=-1628/0, 2-15=0/965, 3-15=-937/0, 3-14=0/374, 4-14=-358/0, 4-12=-266/0, 5-12=0/285, 5-11=-867/0, 6-11=0/894, 6-10=-1482/0, 7-10=0/1508, 7-9=-1361/0

NOTES- (2)
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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F109	Floor Supported Gable	1	1	Job Reference (optional) **# 43966**

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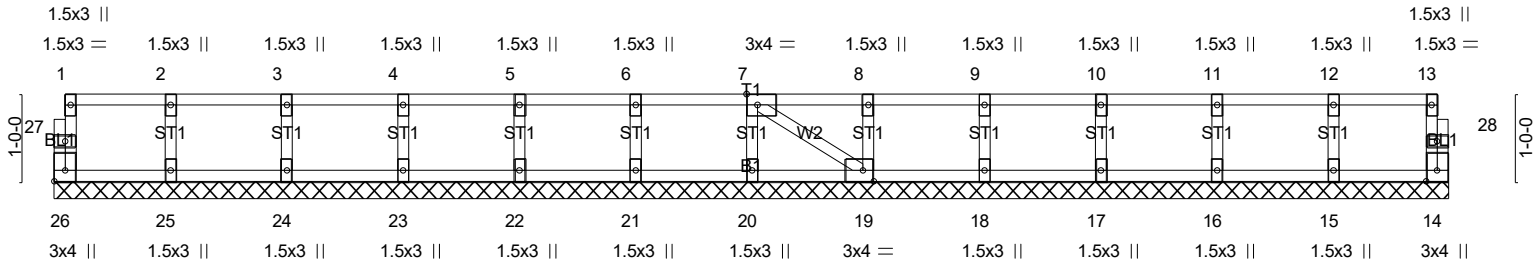

15-11-12
15-11-12

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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 15-11-12.
(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- (5)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F110	Floor Supported Gable	1	1	Job Reference (optional) **# 43966**

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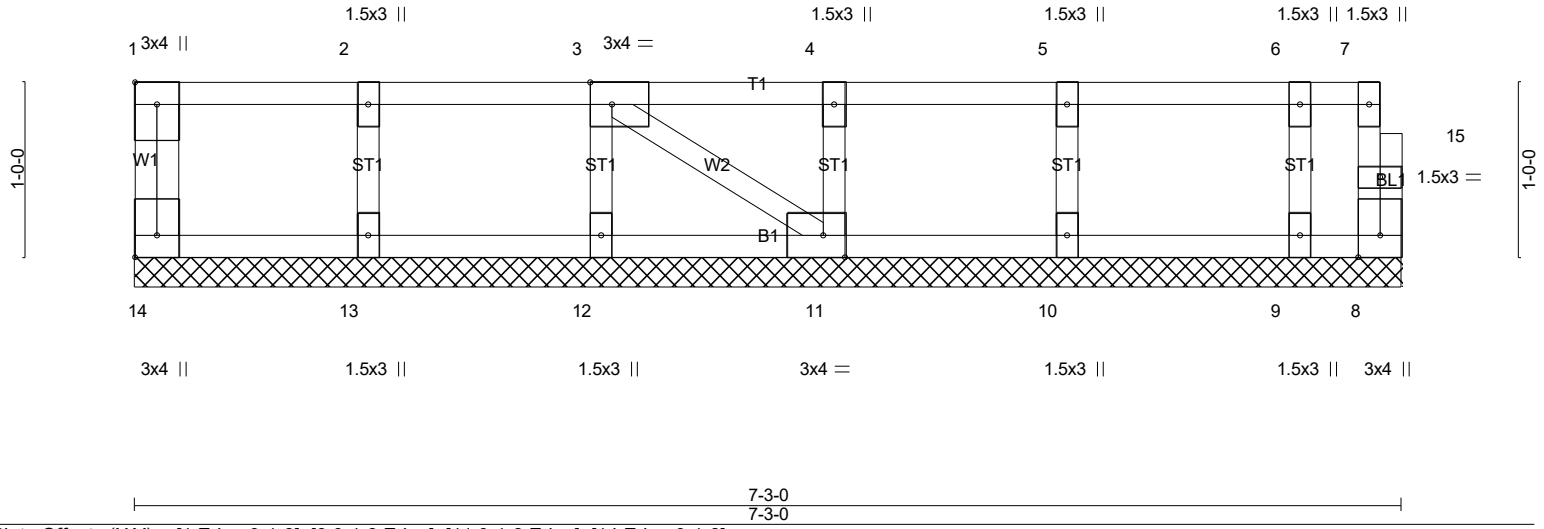

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 33 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 7-3-0.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 8
Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES- (7)
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F111	Floor	5	1	Job Reference (optional) **# 43966**

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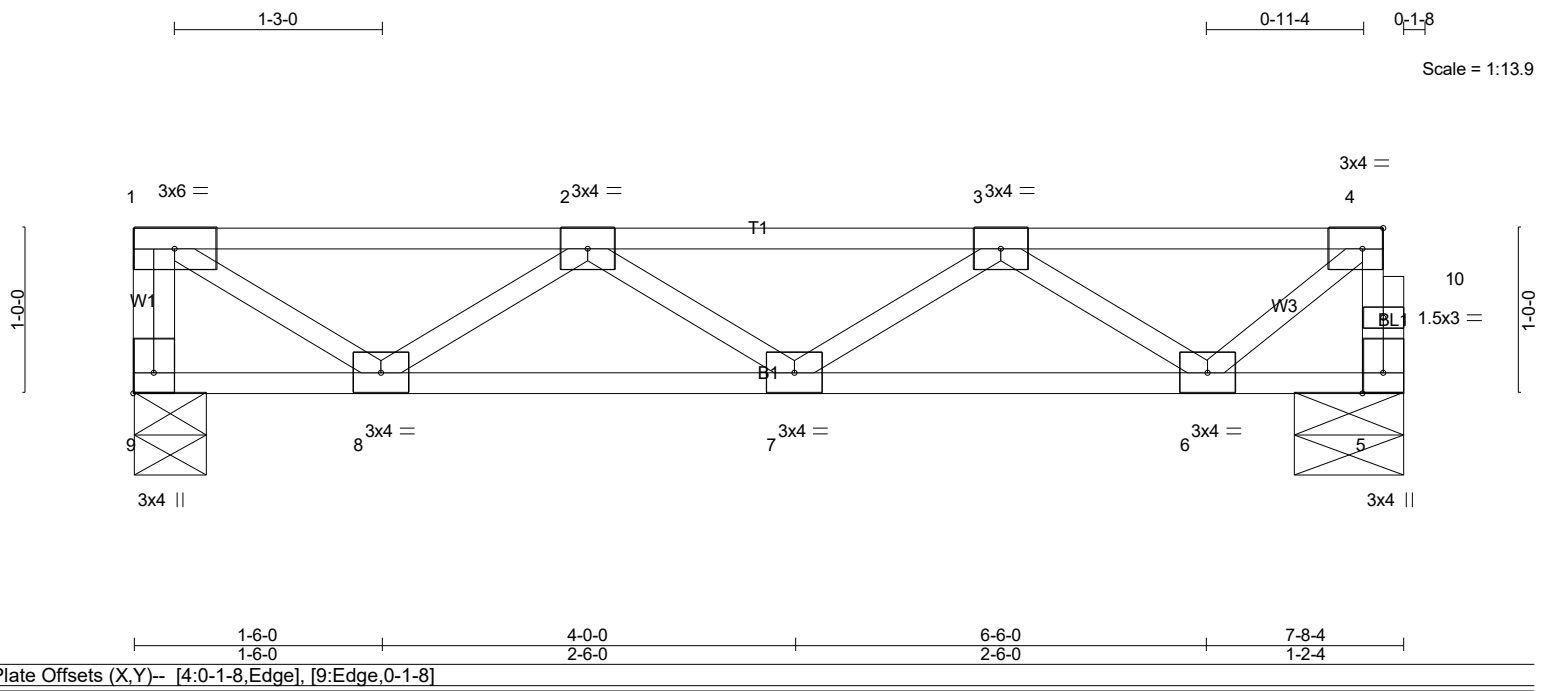

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.02	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 40 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 9=327/0-5-4 (min. 0-1-8), 5=322/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-322/0, 5-10=-320/0, 4-10=-319/0, 1-2=-373/0, 2-3=-677/0, 3-4=-305/0
BOT CHORD 7-8=0/689, 6-7=0/636
WEBS 1-8=0/442, 2-8=-386/0, 3-6=-403/0, 4-6=0/375

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F112	Floor Supported Gable	2	1	Job Reference (optional) **# 43966**

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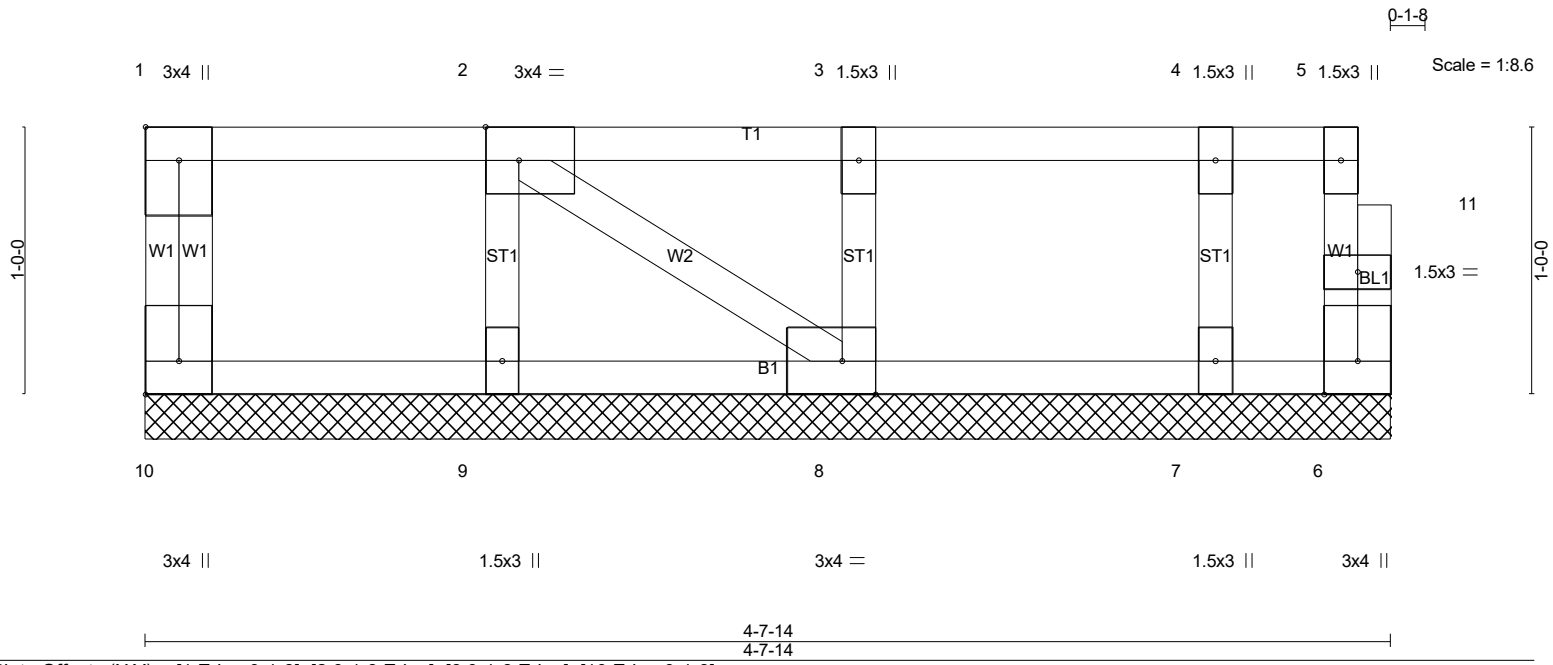

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [8:0-1-8,Edge], [10:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES- (6)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F113	Floor	6	1	Job Reference (optional) **# 43966**

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1-3-0 1-0-12 0-1-8

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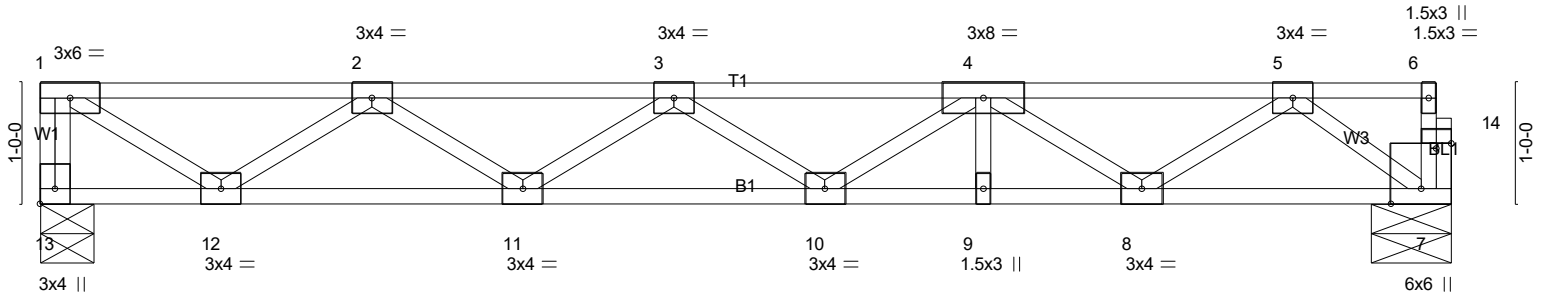

1-6-0	4-0-0	6-6-0	9-1-8	11-5-4	11-8-4
1-6-0	2-6-0	2-6-0	2-7-8	2-3-12	0-3-0

Plate Offsets (X,Y)-- [13:Edge,0-1-8], [14:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.06	10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.08	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 59 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 13=503/0-5-4 (min. 0-1-8), 7=498/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-498/0, 1-2=-648/0, 2-3=-1449/0, 3-4=-1588/0, 4-5=-1070/0
BOT CHORD 11-12=0/1214, 10-11=0/1654, 9-10=0/1490, 8-9=0/1490, 7-8=0/640
WEBS 1-12=0/768, 2-12=-691/0, 2-11=0/286, 3-11=-251/0, 4-8=-505/0, 5-8=0/525, 5-7=-793/0

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F114	Floor Supported Gable	1	1	Job Reference (optional) **# 43966**

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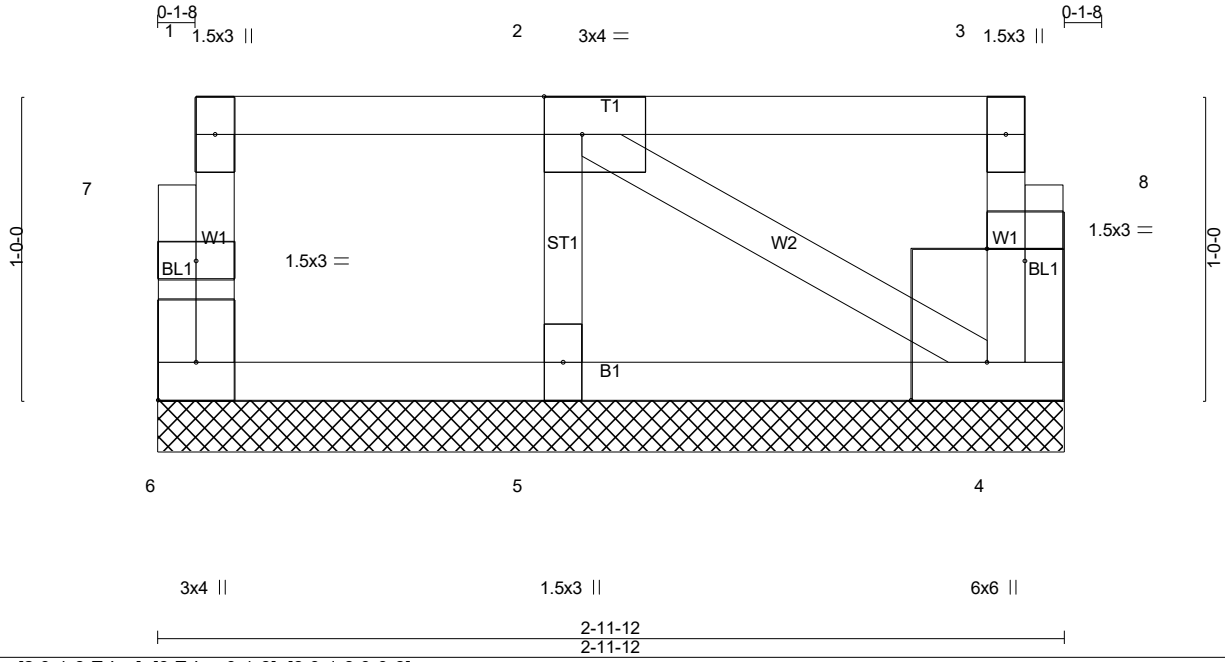

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [6:Edge,0-1-8], [8:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=42/2-11-12 (min. 0-1-8), 4=63/2-11-12 (min. 0-1-8), 5=182/2-11-12 (min. 0-1-8)

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

NOTES- (5)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F115	Floor	2	1	Job Reference (optional) **# 43966**

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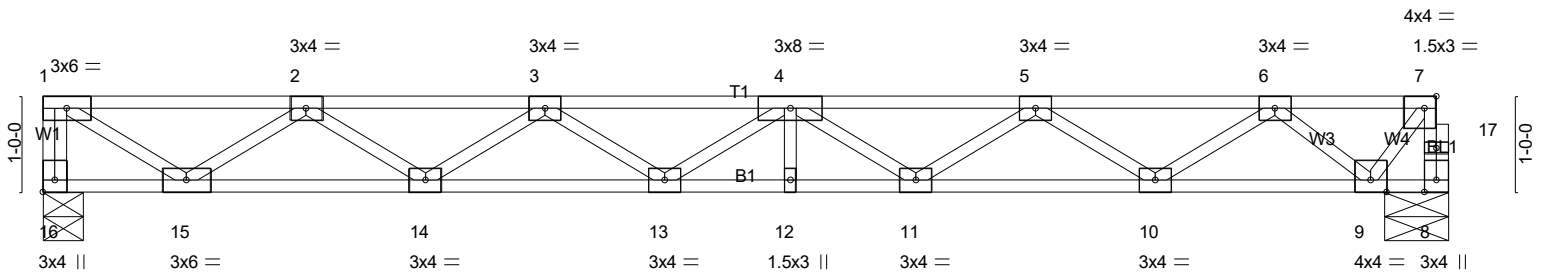
1-3-0 1-0-0 0-6-12 0-1-8

Scale: 1/2"=1'



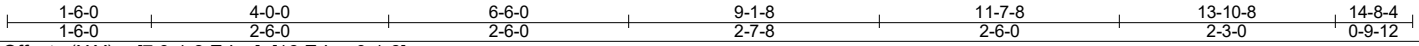


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.15	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.20	12	>860	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 74 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 16=635/0-5-4 (min. 0-1-8), 8=630/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-629/0, 8-17=-630/0, 7-17=-628/0, 1-2=-854/0, 2-3=-2029/0, 3-4=-2541/0, 4-5=-2421/0, 5-6=-1663/0, 6-7=-461/0
BOT CHORD 14-15=0/1607, 13-14=0/2423, 12-13=0/2638, 11-12=0/2638, 10-11=0/2189, 9-10=0/1111
WEBS 1-15=0/1012, 2-15=-920/0, 2-14=0/516, 3-14=-480/0, 4-11=-261/0, 5-11=0/284, 5-10=-641/0, 6-10=0/674, 6-9=-864/0, 7-9=0/716

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F116	Floor	4	1	Job Reference (optional) **# 43966**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Jan 9 10:03:18 2024 Page 1
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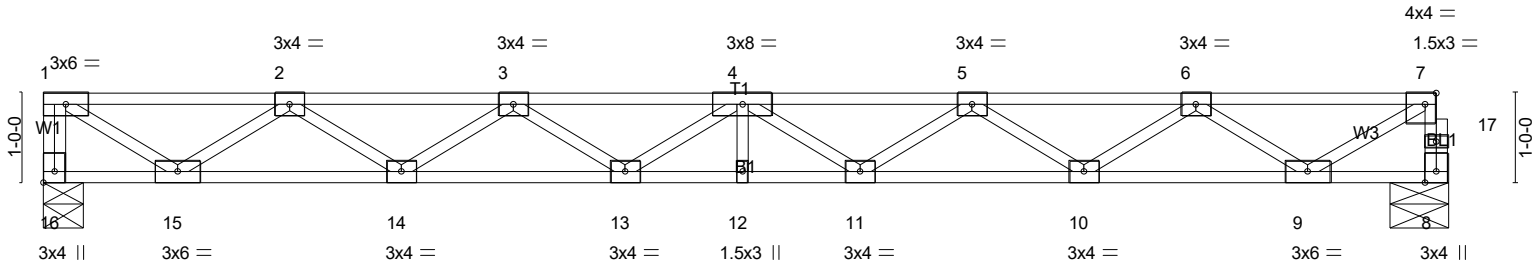

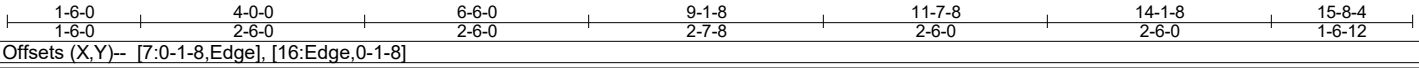

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.19	12	>972	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.26	12	>707	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 78 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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) 16=679/0-5-4 (min. 0-1-8), 8=674/0-7-14 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-673/0, 8-17=-669/0, 7-17=-668/0, 1-2=-922/0, 2-3=-2223/0, 3-4=-2860/0, 4-5=-2868/0, 5-6=-2246/0, 6-7=-962/0
BOT CHORD 14-15=0/1738, 13-14=0/2678, 12-13=0/3024, 11-12=0/3024, 10-11=0/2694, 9-10=0/1770
WEBS 1-15=0/1093, 2-15=-996/0, 2-14=0/591, 3-14=-556/0, 5-10=-547/0, 6-10=0/582, 6-9=-986/0, 7-9=0/1083

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F117	Floor	1	1	Job Reference (optional) **# 43966**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Jan 9 10:03:19 2024 Page 1
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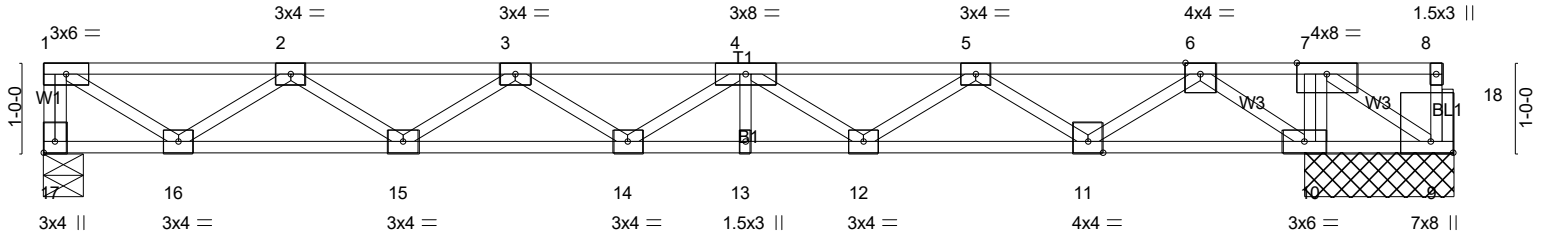

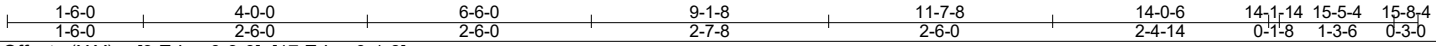

Plate Offsets (X,Y)-- [9:Edge,0-3-0], [17:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.08	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.12	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.02	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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: 10-11,9-10.

REACTIONS. (lb/size) 17=514/0-5-4 (min. 0-1-8), 9=-974/1-7-14 (min. 0-1-8), 10=1813/1-7-14 (min. 0-1-8)
Max Uplift9=-974(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-508/0, 1-2=-665/0, 2-3=-1496/0, 3-4=-1664/0, 4-5=-1185/0, 6-7=0/1602
BOT CHORD 15-16=0/1246, 14-15=0/1718, 13-14=0/1580, 12-13=0/1580, 11-12=0/780, 10-11=-648/0, 9-10=-1602/0
WEBS 7-10=-1125/0, 1-16=0/788, 2-16=-710/0, 2-15=0/306, 3-15=-270/0, 4-12=-475/0, 5-12=0/495, 5-11=-860/0, 6-11=0/883, 6-10=-1155/0, 7-9=0/1890

NOTES- (4)
1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 974 lb uplift at joint 9.
2) 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.
3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F118	Floor Supported Gable	2	1	Job Reference (optional) **# 43966**

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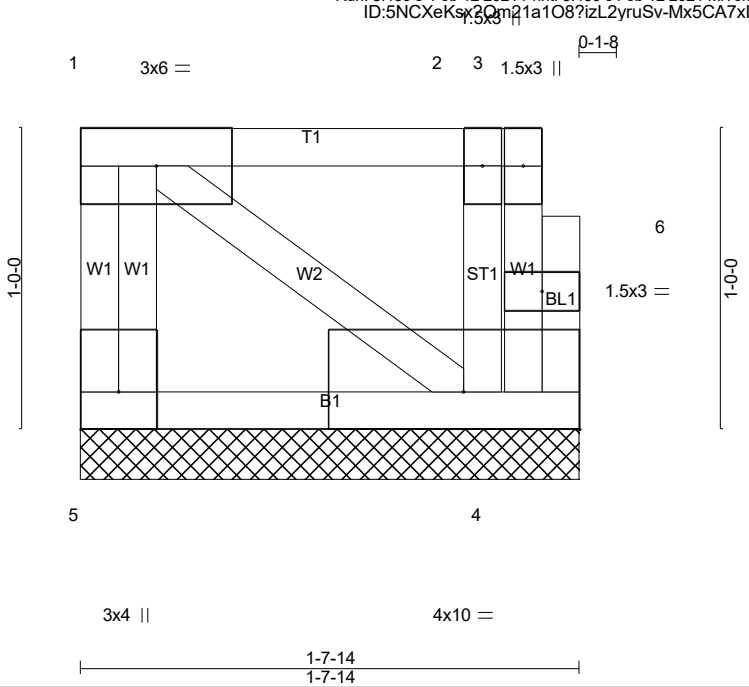

Plate Offsets (X,Y)-- [4:Edge,0-1-8], [5:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=74/1-7-14 (min. 0-1-8), 4=74/1-7-14 (min. 0-1-8)

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

NOTES- (6)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F119	Floor Supported Gable	1	1	Job Reference (optional) **# 43966**

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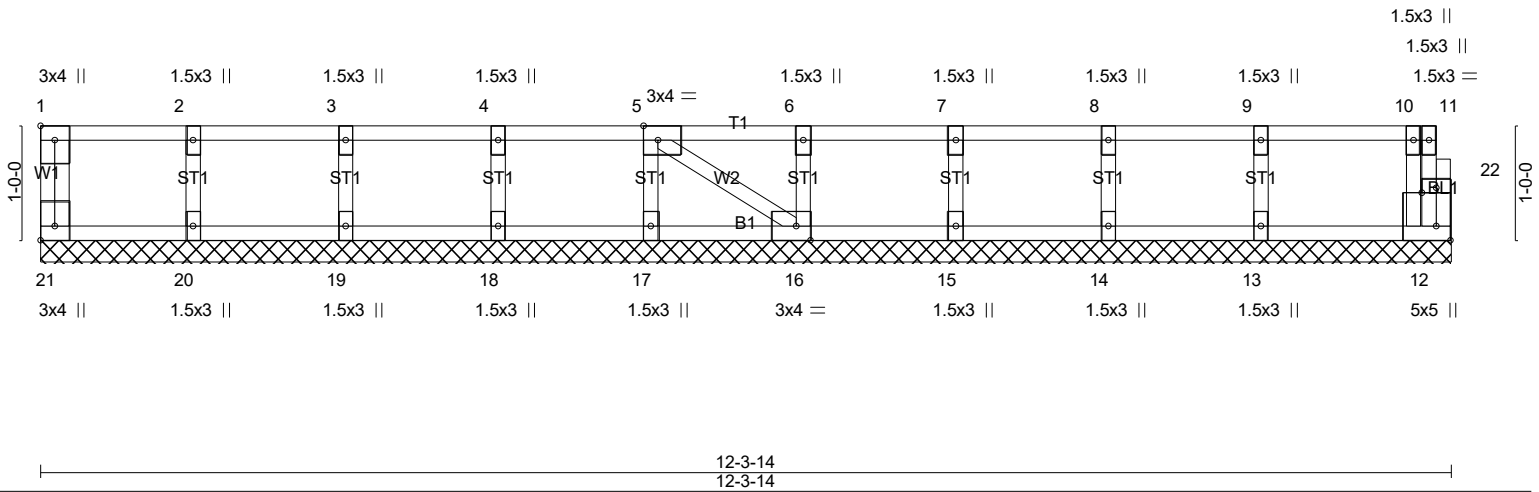

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [12:Edge,0-1-8], [16:0-1-8,Edge], [21:Edge,0-1-8], [22:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 53 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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 12-3-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES- (6)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F120	Floor	3	1	Job Reference (optional) **# 43966**

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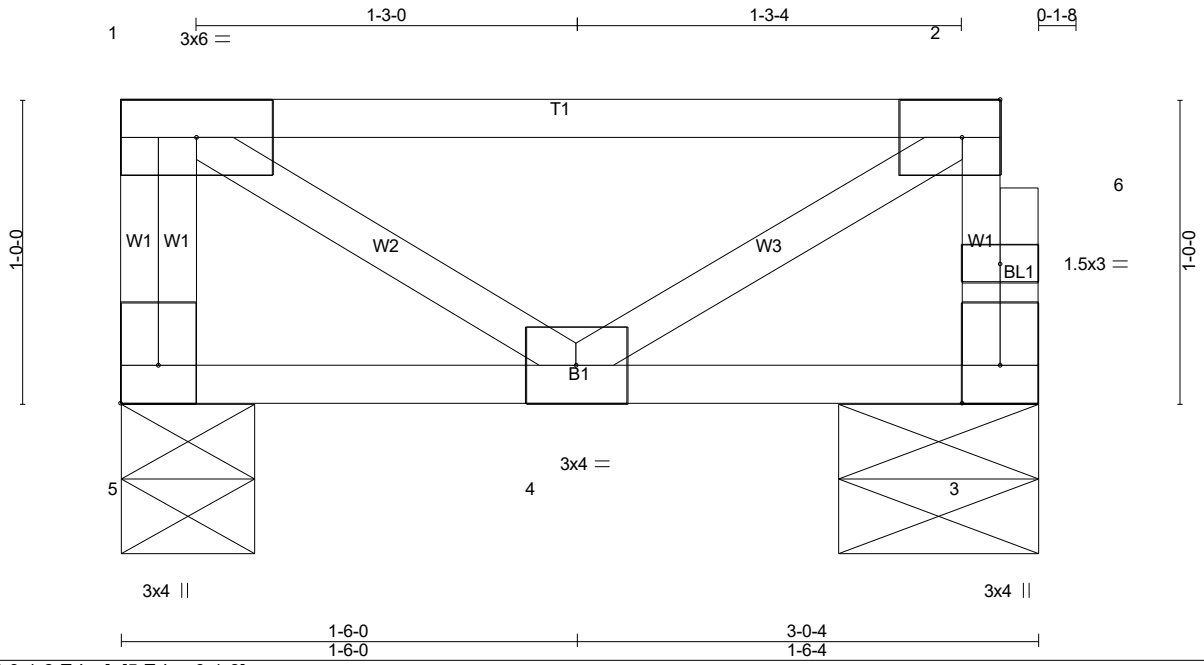

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [5:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.00	4	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 17 lb	FT = 20%F, 11%E

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

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

REACTIONS. (lb/size) 5=122/0-5-4 (min. 0-1-8), 3=117/0-7-14 (min. 0-1-8)

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

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F121	Floor Supported Gable	2	1	Job Reference (optional) **# 43966**

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0-1-8

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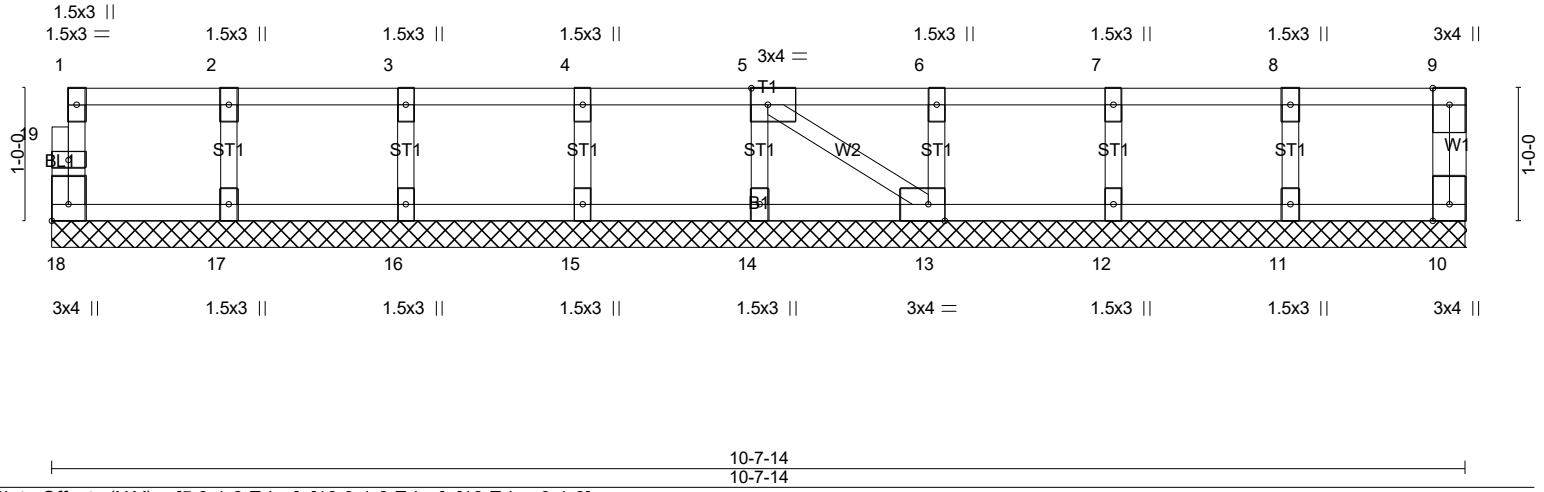

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [13:0-1-8,Edge], [18:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 46 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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 10-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

NOTES- (6)
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) 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

1/6/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0099 BLAKE POND | 63 WHIMBREL COURT LILLINGTON, NC
23-B588-F01	F122	Floor	10	1	Job Reference (optional) **# 43966**

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Jan 9 10:03:19 2024 Page 1
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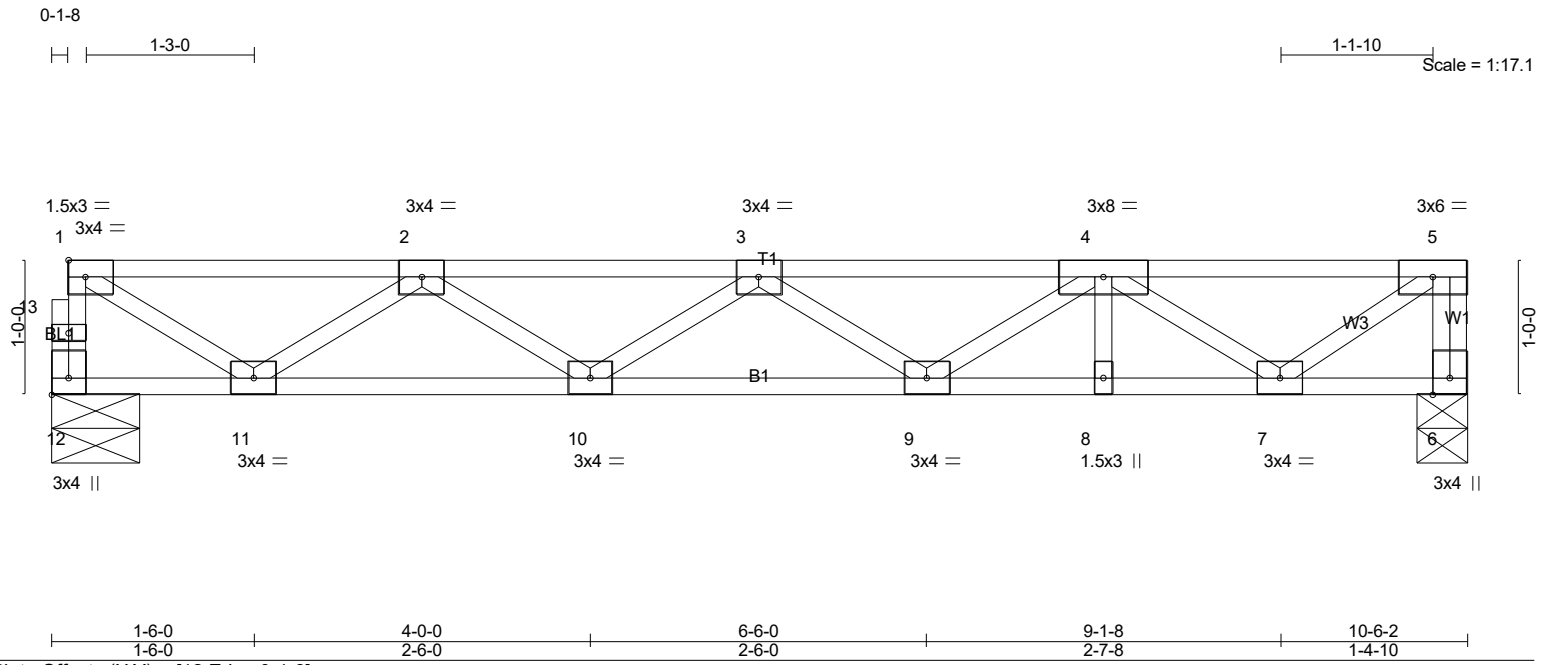

Plate Offsets (X,Y)-- [12:Edge,0-1-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.04	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.06	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 54 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD 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=446/0-7-14 (min. 0-1-8), 6=451/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-442/0, 1-13=-441/0, 5-6=-446/0, 1-2=-569/0, 2-3=-1219/0, 3-4=-1217/0, 4-5=-524/0
BOT CHORD 10-11=0/1059, 9-10=0/1351, 8-9=0/1049, 7-8=0/1049
WEBS 1-11=0/647, 2-11=-597/0, 4-7=-631/0, 5-7=0/638

NOTES- (3)
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.
2) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

1/6/2024