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 #: 46669
JOB: 24-1484-F01
JOB NAME: LOT 0.0096 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.
21 Truss Design(s)

Trusses:
F101, F102, F103, F104, F105, F106, F107, F108, F109, F110, F111, F112, F113, F114, F115, F115A, F116, F116A, F117, F118, F119

3/18/2024
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 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F101	Floor Supported Gable	1	1	# 46669
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Mar 18 20:32:49 2024 Page 1
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0-1-8

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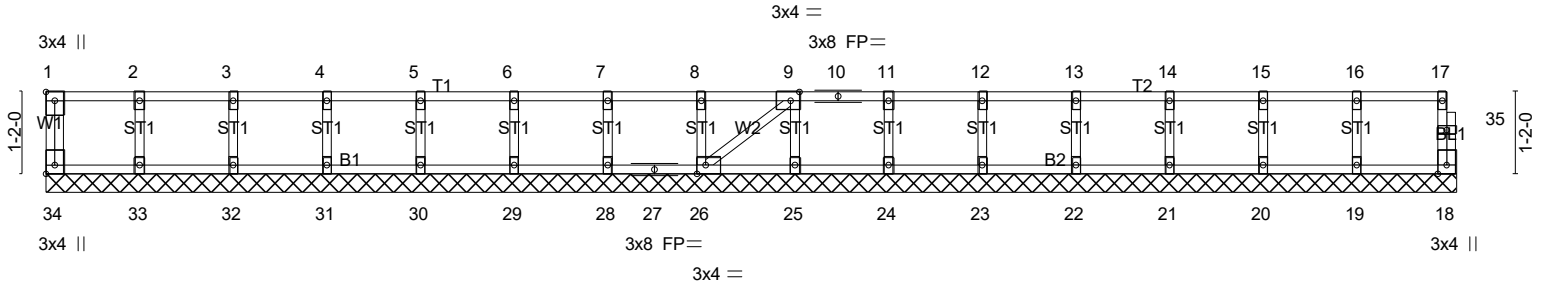

20-0-14
20-0-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [9:0-1-8,Edge], [26:0-1-8,Edge], [34: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	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 86 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 20-0-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19

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

NOTES- (7-8)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.
7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F102	Floor	4	1	Job Reference (optional) **# 46669**

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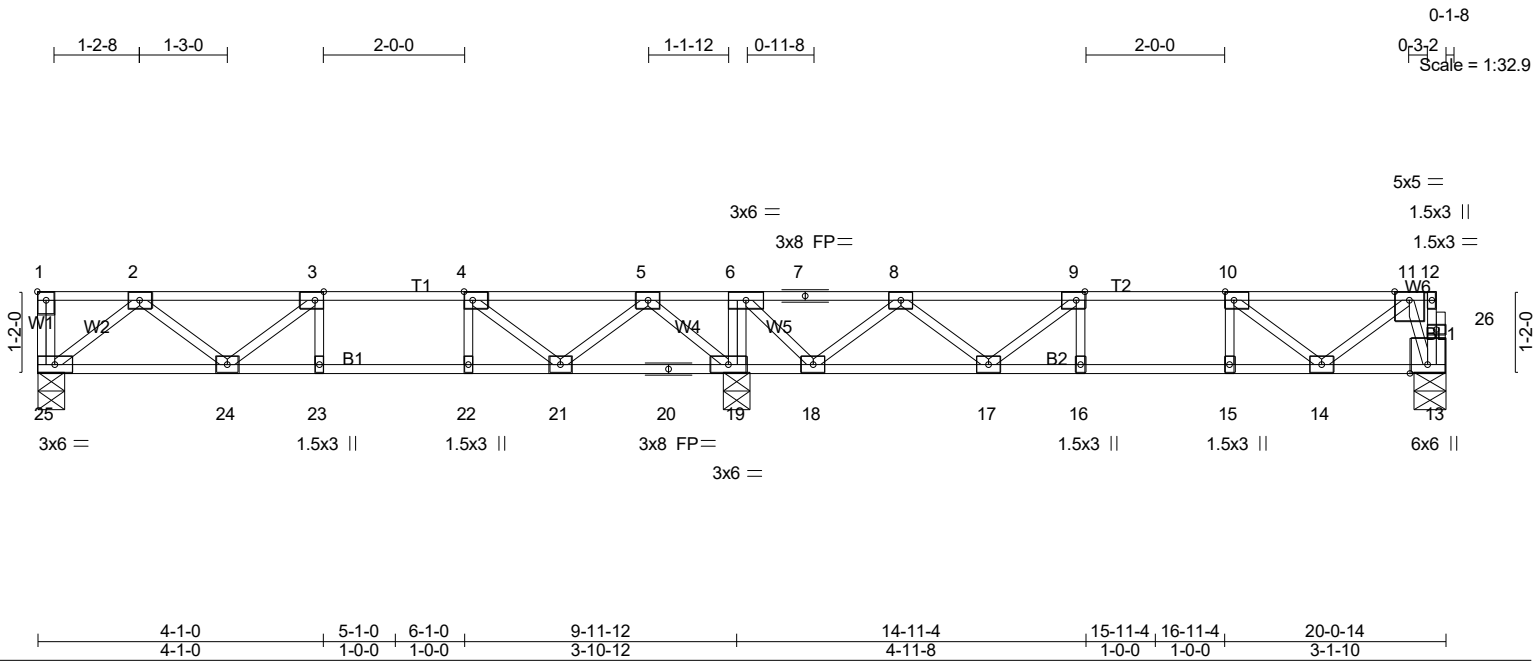

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]

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	0.30	Vert(LL)	-0.05	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.07	23-24	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.01	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 101 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: 19-21,18-19,17-18.

REACTIONS. (lb/size) 25=364/0-4-8 (min. 0-1-8), 19=1008/0-4-8 (min. 0-1-8), 13=365/0-5-6 (min. 0-1-8)
Max Grav 25=399(LC 3), 19=1008(LC 1), 13=388(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-678/0, 3-4=-845/0, 4-5=-508/162, 5-6=0/731, 6-7=-3/294, 7-8=-3/294, 8-9=-663/0, 9-10=-819/0, 10-11=-477/0
BOT CHORD 24-25=0/470, 23-24=0/845, 22-23=0/845, 21-22=0/845, 20-21=-316/198, 19-20=-316/198, 18-19=-731/0, 17-18=-43/463, 16-17=0/819, 15-16=0/819, 14-15=0/819
WEBS 6-19=-557/0, 2-24=0/271, 2-25=-597/0, 4-21=-553/0, 5-21=0/480, 5-19=-688/0, 9-17=-299/0, 8-17=0/322, 8-18=-647/0, 6-18=0/607, 10-14=-437/0, 11-14=0/404, 11-13=-496/0

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F103	Floor	3	1	Job Reference (optional) **# 46669**

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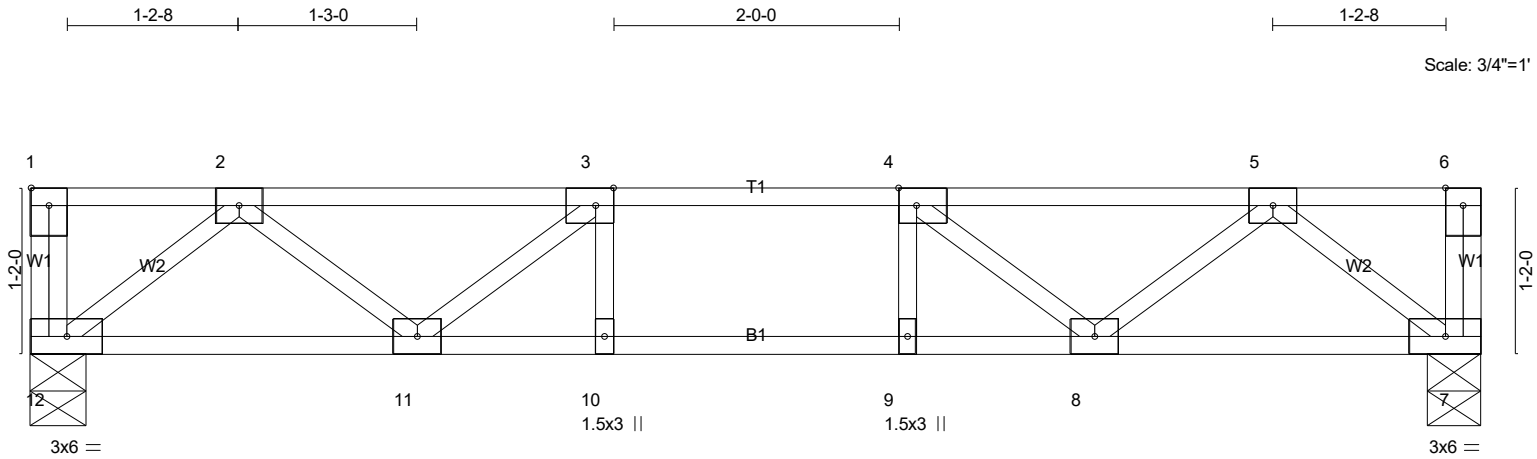

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge]

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	0.19	Vert(LL)	-0.04	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.05	9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 52 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=436/0-4-8 (min. 0-1-8), 7=436/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-772/0, 3-4=-1022/0, 4-5=-772/0
BOT CHORD 11-12=0/511, 10-11=0/1022, 9-10=0/1022, 8-9=0/1022, 7-8=0/511
WEBS 3-11=-349/0, 2-11=0/340, 2-12=-649/0, 4-8=-349/0, 5-8=0/340, 5-7=-649/0

NOTES- (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F104	Floor	1	1	Job Reference (optional) **# 46669**

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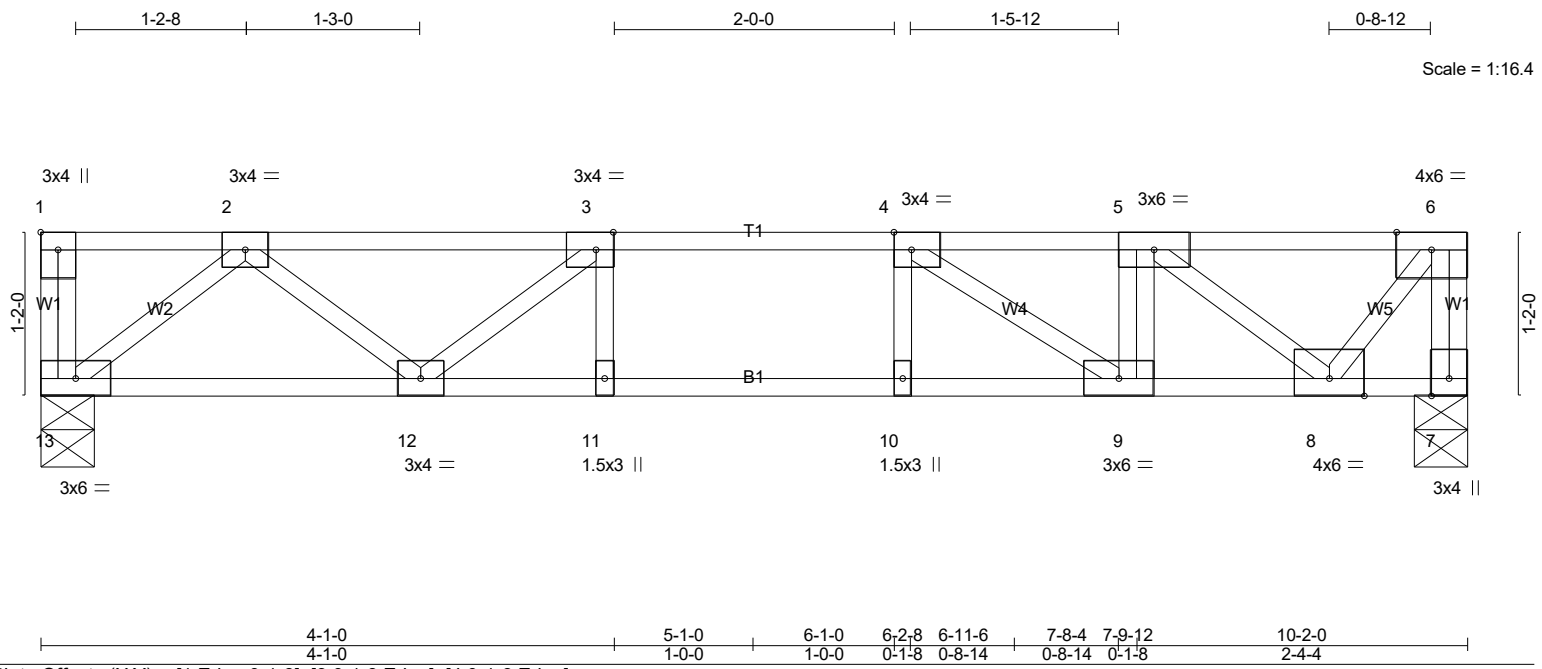

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge]

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	0.64	Vert(LL)	-0.12	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.15	9-10	>776	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 55 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) 7=994/0-4-8 (min. 0-1-8), 13=598/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-985/0, 2-3=-1181/0, 3-4=-1781/0, 4-5=-1973/0, 5-6=-750/0
BOT CHORD 12-13=0/687, 11-12=0/1781, 10-11=0/1781, 9-10=0/1781, 8-9=0/1973
WEBS 3-12=-795/0, 2-12=0/642, 2-13=-872/0, 4-9=-263/403, 5-8=-1534/0, 6-8=0/1183

NOTES- (4-5)
1) Unbalanced floor live loads have been considered for this design.
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.
4) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-13=-8, 1-6=-80
Concentrated Loads (lb)
Vert: 5=-720

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F105	Floor	3	1	Job Reference (optional) **# 46669**

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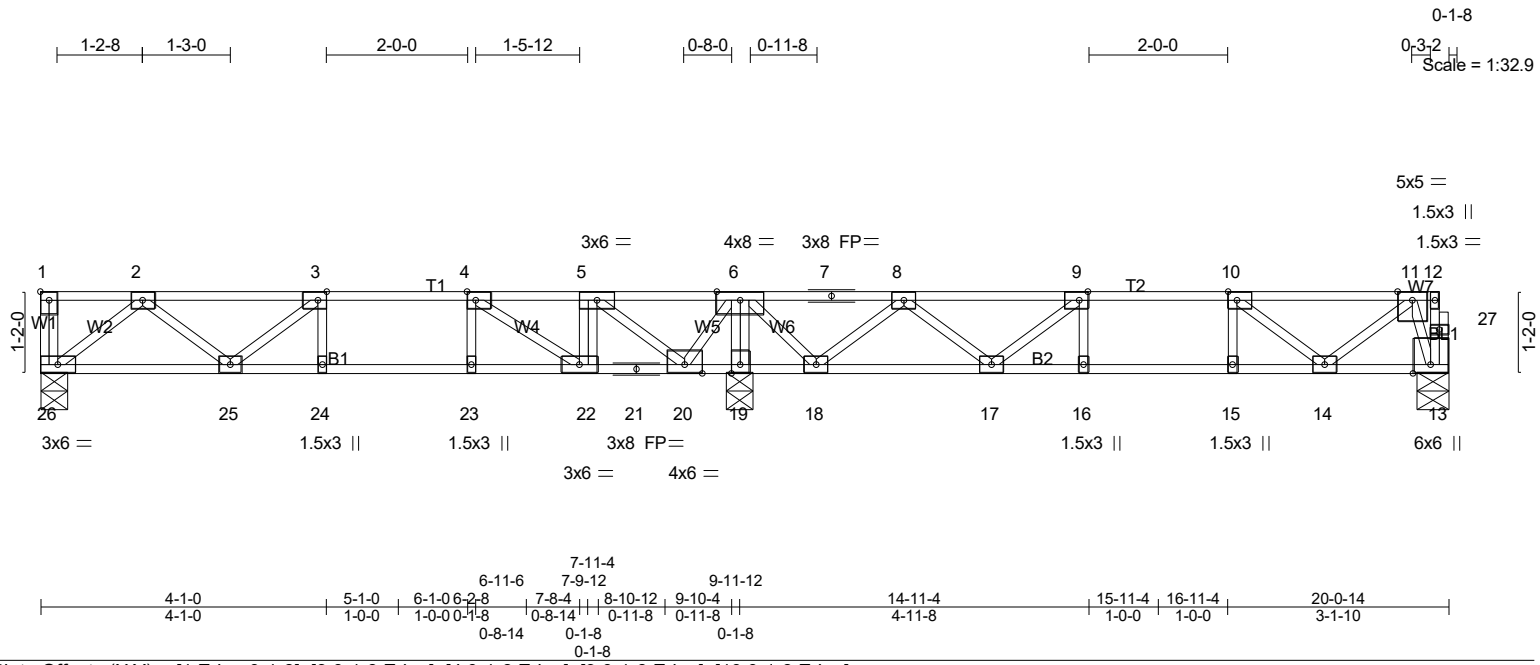

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge]

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)	-0.05	23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.07	23	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.01	19	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 104 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 6-0-0 oc bracing.

REACTIONS. (lb/size) 26=459/0-4-8 (min. 0-1-8), 19=1697/0-4-8 (min. 0-1-8), 13=302/0-5-6 (min. 0-1-8)
Max Grav 26=493(LC 3), 19=1697(LC 1), 13=370(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-916/0, 3-4=-1285/0, 4-5=-1167/18, 5-6=0/579, 6-7=0/827, 7-8=0/827, 8-9=-555/334, 9-10=-751/105, 10-11=-449/0
BOT CHORD 25-26=0/573, 24-25=0/1285, 23-24=0/1285, 22-23=0/1285, 21-22=-18/1167, 20-21=-18/1167, 19-20=-1318/0, 18-19=-1307/0, 17-18=-519/331, 16-17=-105/751, 15-16=-105/751, 14-15=-105/751
WEBS 6-19=-1651/0, 3-25=-471/1, 2-25=0/446, 2-26=-727/0, 4-22=-495/0, 5-20=-1690/0, 6-20=0/1272, 9-17=-480/0, 8-17=0/440, 8-18=-722/0, 6-18=0/668, 10-14=-385/134, 11-14=-36/371, 11-13=-490/0

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 5=-720

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F106	Floor	1	1	# 46669
					Job Reference (optional)

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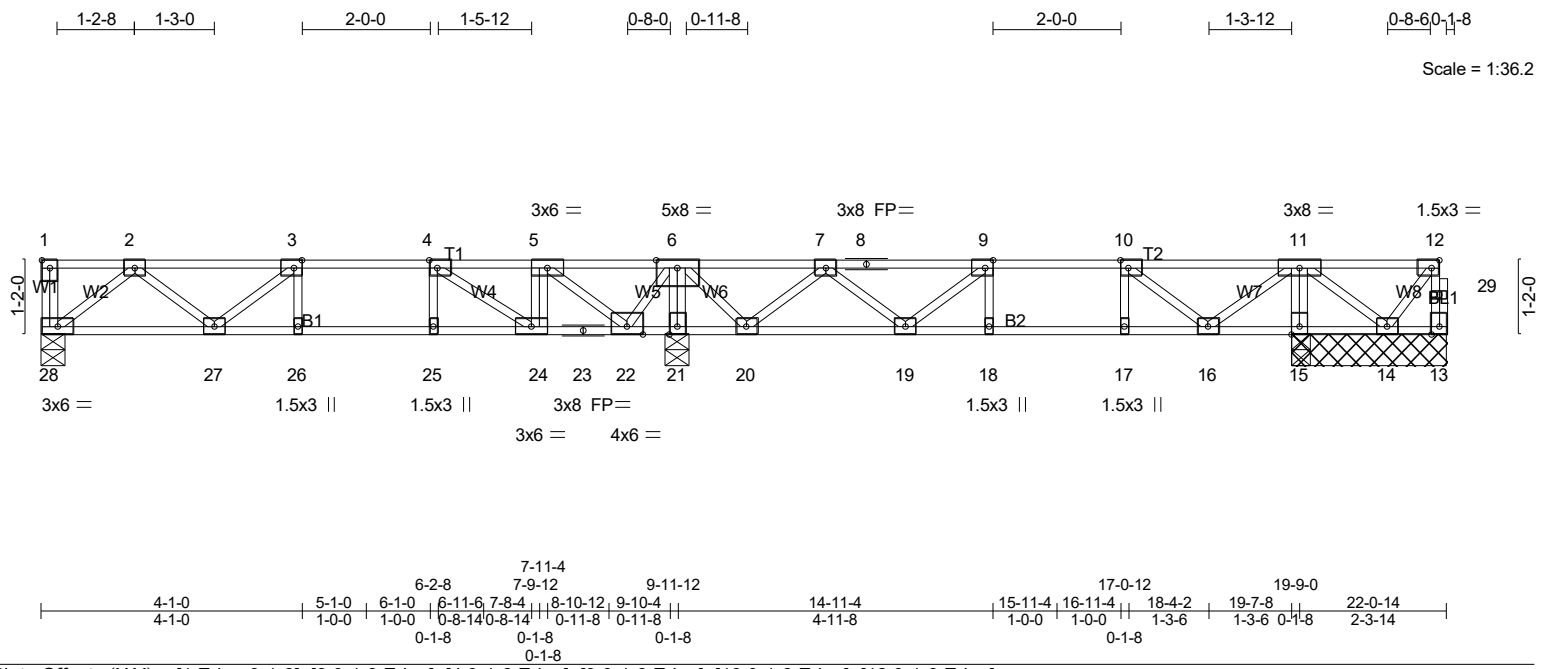


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge]

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	0.37	Vert(LL)	-0.05	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.06	25	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.01	21	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 115 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)

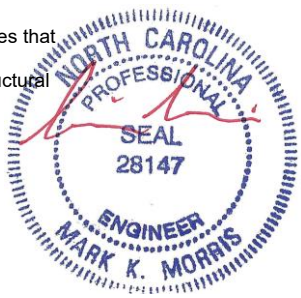
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 27-28,26-27,25-26,24-25.

REACTIONS. All bearings 2-5-6 except (jt=length) 28=0-4-8, 21=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 14 except 13=-176(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 13, 14 except 28=487(LC 3), 21=1675(LC 9), 15=647(LC 10), 15=582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-903/0, 3-4=-1259/0, 4-5=-1126/50, 5-6=0/650, 6-7=0/945, 7-8=-454/476, 8-9=-454/476, 9-10=-609/305, 10-11=-261/264
BOT CHORD 27-28=0/567, 26-27=0/1259, 25-26=0/1259, 24-25=0/1259, 23-24=-50/1126, 22-23=-50/1126, 21-22=-1396/0, 20-21=-1386/0, 19-20=-625/256, 18-19=-305/609, 17-18=-305/609, 16-17=-305/609, 15-16=-482/0, 14-15=-484/0
WEBS 6-21=-1627/0, 3-27=-456/13, 11-15=-634/0, 2-27=0/436, 2-28=-720/0, 4-24=-508/0, 5-22=-1696/0, 6-22=0/1278, 9-19=-368/0, 7-19=0/368, 7-20=-668/0, 6-20=0/613, 10-16=-445/53, 11-16=0/432, 11-14=0/375, 12-14=-294/0

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 13=176.
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.
6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-28=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 5=-720



3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F107	Floor	6	1	# 46669
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Mar 18 20:32:57 2024 Page 1
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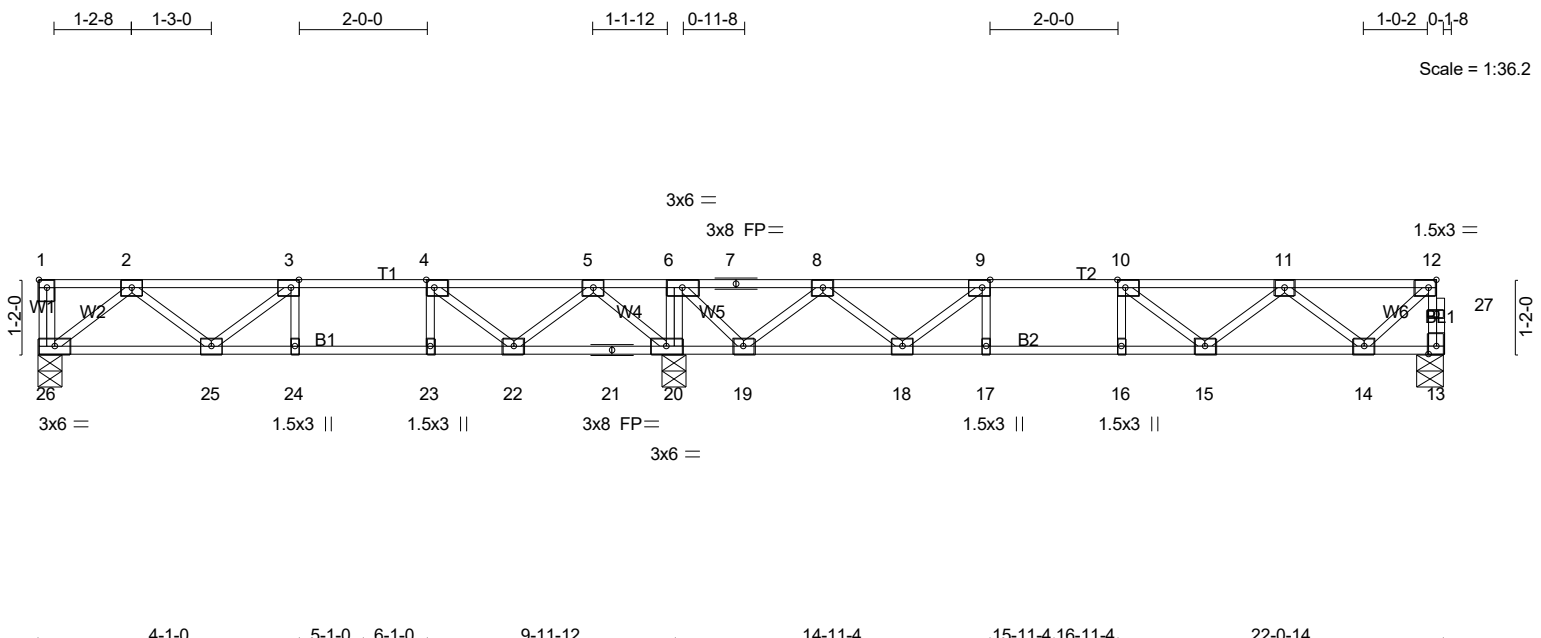

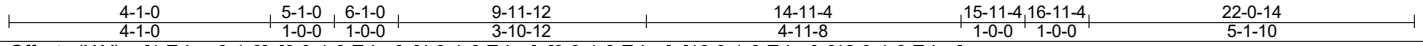

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge]

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	0.29	Vert(LL)	-0.07	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.09	15-16	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 110 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: 20-22,19-20,18-19.

REACTIONS. (lb/size) 26=368/0-4-8 (min. 0-1-8), 13=468/0-5-6 (min. 0-1-8), 20=1078/0-4-8 (min. 0-1-8)
Max Grav 26=399(LC 10), 13=488(LC 7), 20=1078(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-27=-484/0, 12-27=-483/0, 2-3=-680/0, 3-4=-849/0, 4-5=-514/131, 5-6=0/698, 8-9=-971/0, 9-10=-1298/0, 10-11=-1134/0, 11-12=-454/0
BOT CHORD 25-26=0/471, 24-25=0/849, 23-24=0/849, 22-23=0/849, 21-22=-280/204, 20-21=-280/204, 19-20=-698/0, 18-19=-3/666, 17-18=0/1298, 16-17=0/1298, 15-16=0/1298, 14-15=0/934
WEBS 6-20=-634/0, 2-25=0/272, 2-26=-598/0, 4-22=-544/0, 5-22=0/475, 5-20=-682/0, 9-18=-503/0, 8-18=0/451, 8-19=-744/0, 6-19=0/707, 11-15=0/261, 11-14=-624/0, 12-14=0/593

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F108	Floor	3	1	Job Reference (optional) **# 46669**

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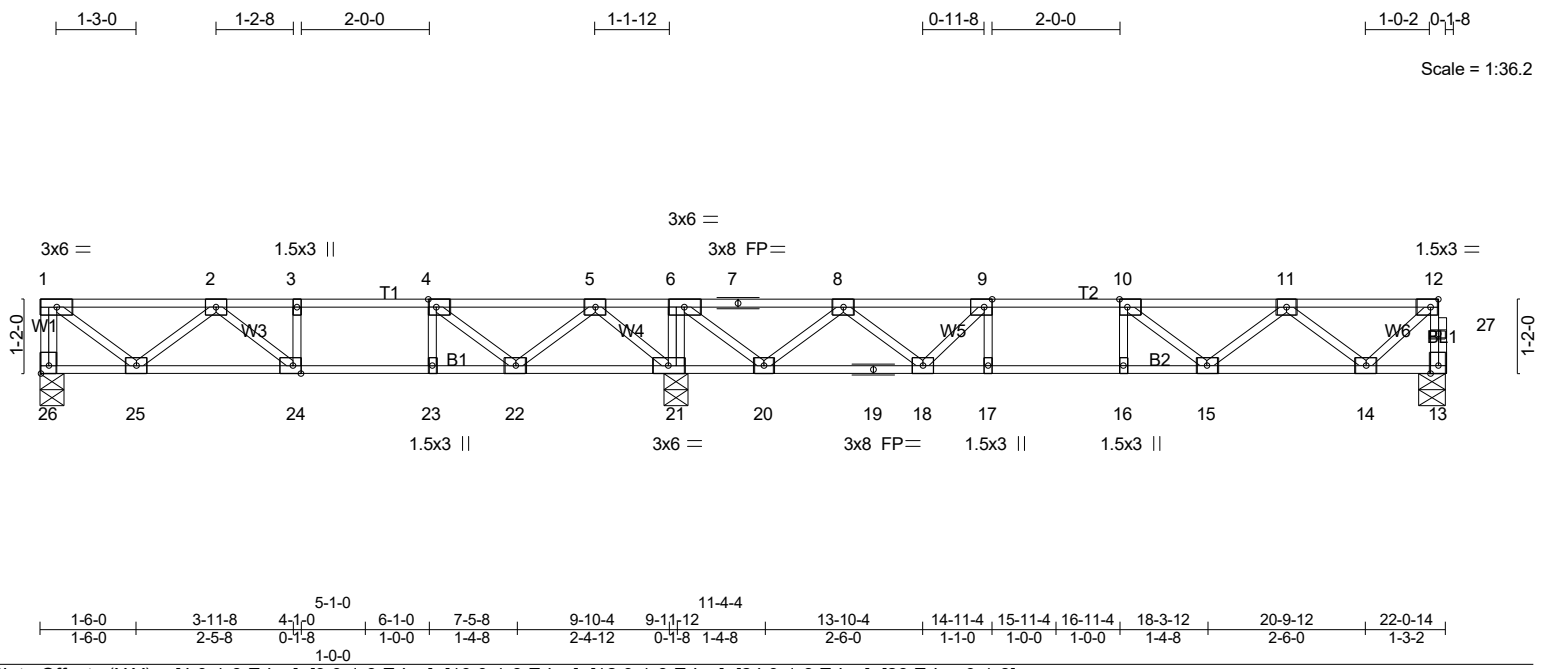

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [24:0-1-8,Edge], [26:Edge,0-1-8]

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	0.60	Vert(LL)	-0.09	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.12	24-25	>977	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 110 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: 21-22,20-21.

REACTIONS. (lb/size) 26=528/0-4-8 (min. 0-1-8), 13=480/0-5-6 (min. 0-1-8), 21=1146/0-4-8 (min. 0-1-8)
Max Grav 26=558(LC 3), 13=500(LC 7), 21=1146(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-565/0, 13-27=-497/0, 12-27=-496/0, 1-2=-635/0, 2-3=-1348/0, 3-4=-1348/0, 4-5=-844/31, 5-6=0/507, 6-7=-372/3, 7-8=-372/3, 8-9=-1144/0, 9-10=-1368/0, 10-11=-1179/0, 11-12=-468/0
BOT CHORD 24-25=0/1148, 23-24=0/1348, 22-23=0/1348, 21-22=-213/418, 20-21=-507/0, 19-20=0/875, 18-19=0/875, 17-18=0/1368, 16-17=0/1368, 15-16=0/1368, 14-15=0/961
WEBS 6-21=-636/0, 1-25=0/797, 2-25=-668/0, 2-24=-28/276, 4-22=-754/0, 5-22=0/627, 5-21=-766/0, 6-20=0/752, 8-20=-693/0, 8-18=0/401, 9-18=-409/0, 11-15=0/285, 11-14=-642/0, 12-14=0/610

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-8, 1-12=-80
Concentrated Loads (lb)
Vert: 3=-240

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F109	Floor	1	1	# 46669
					Job Reference (optional)

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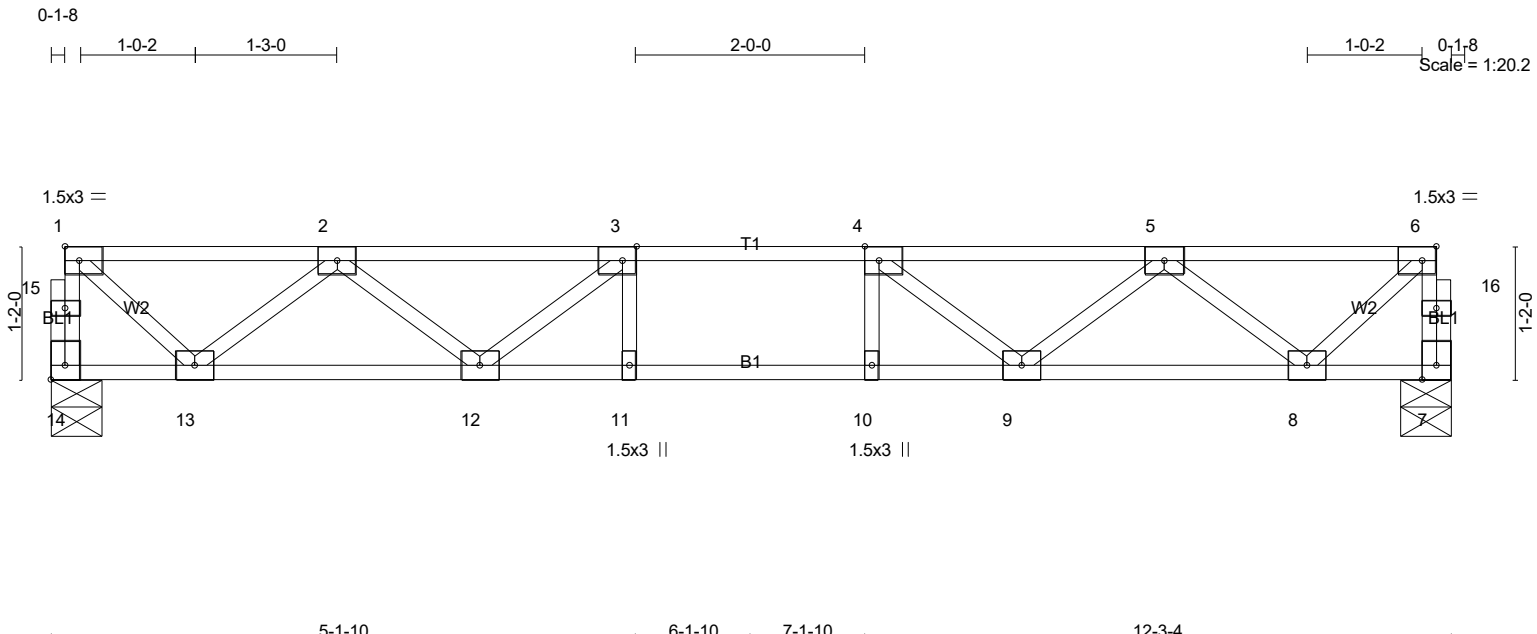

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

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)	-0.07	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.09	10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 62 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) 14=524/0-5-6 (min. 0-1-8), 7=524/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-521/0, 1-15=-521/0, 7-16=-521/0, 6-16=-521/0, 1-2=-493/0, 2-3=-1261/0, 3-4=-1504/0, 4-5=-1261/0, 5-6=-493/0
BOT CHORD 12-13=0/1011, 11-12=0/1504, 10-11=0/1504, 9-10=0/1504, 8-9=0/1011
WEBS 3-12=-393/0, 2-12=0/333, 2-13=-674/0, 1-13=0/643, 4-9=-393/0, 5-9=0/333, 5-8=-674/0, 6-8=0/643

NOTES- (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F110	Floor Supported Gable	1	1	# 46669
					Job Reference (optional)

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0-1-8 0-1-8

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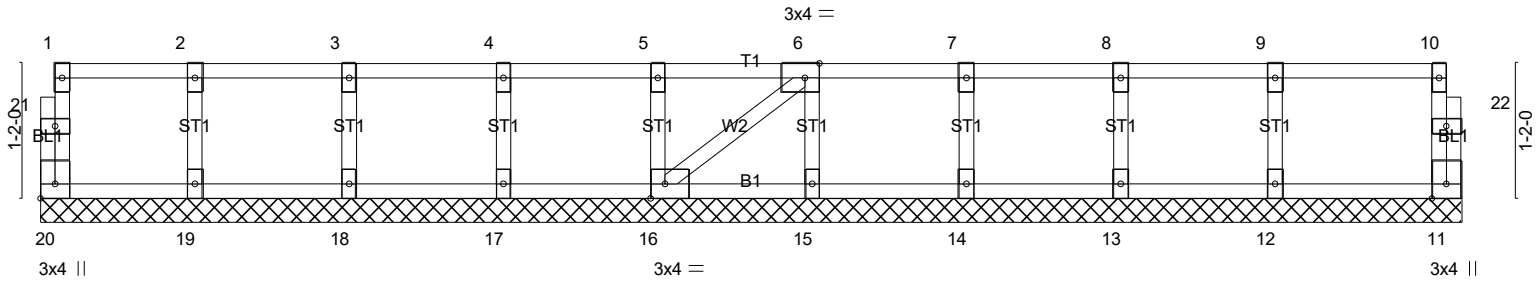

12-3-4
12-3-4

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [20: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	0.08	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	11	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)
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 12-3-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

NOTES- (6-7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F111	Floor	1	1	Job Reference (optional) **# 46669**

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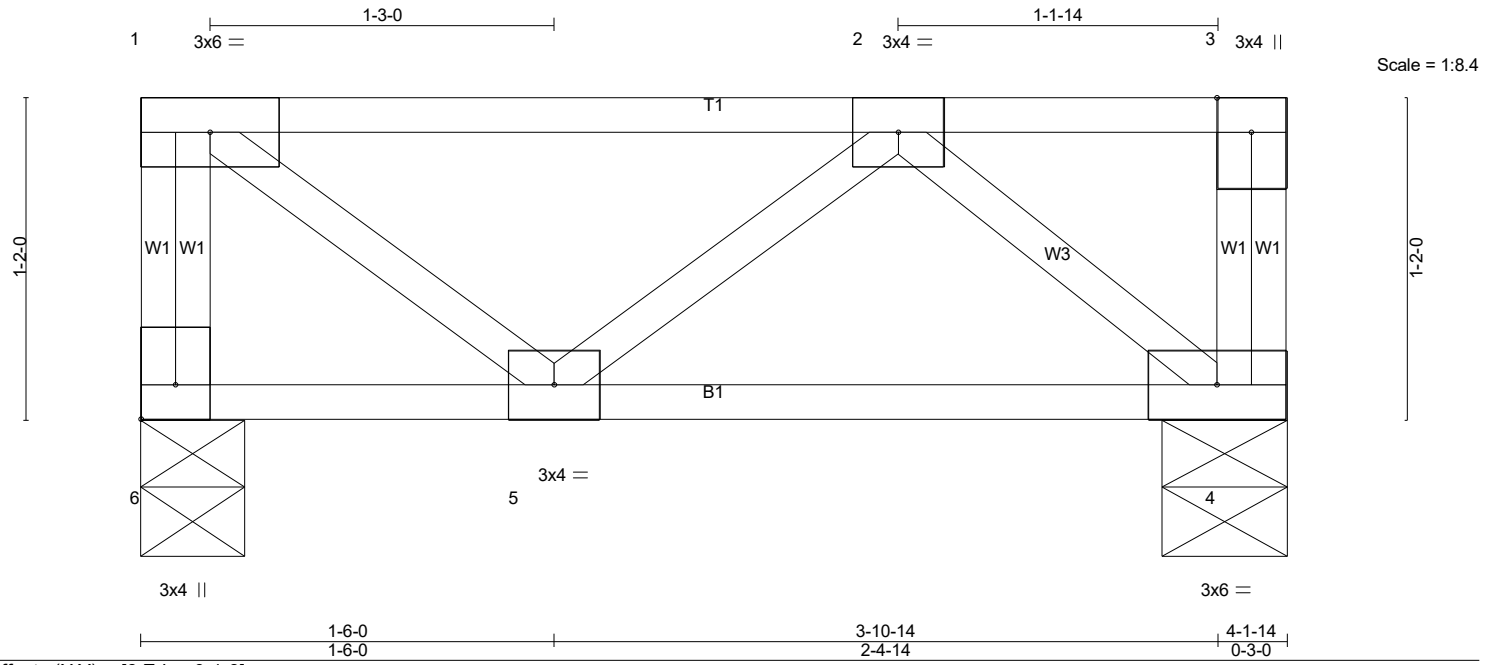

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 25 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 4-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=172/0-4-8 (min. 0-1-8), 4=172/0-5-6 (min. 0-1-8)

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

NOTES- (2-3)
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
3) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F112	Floor	1	1	Job Reference (optional) **# 46669**

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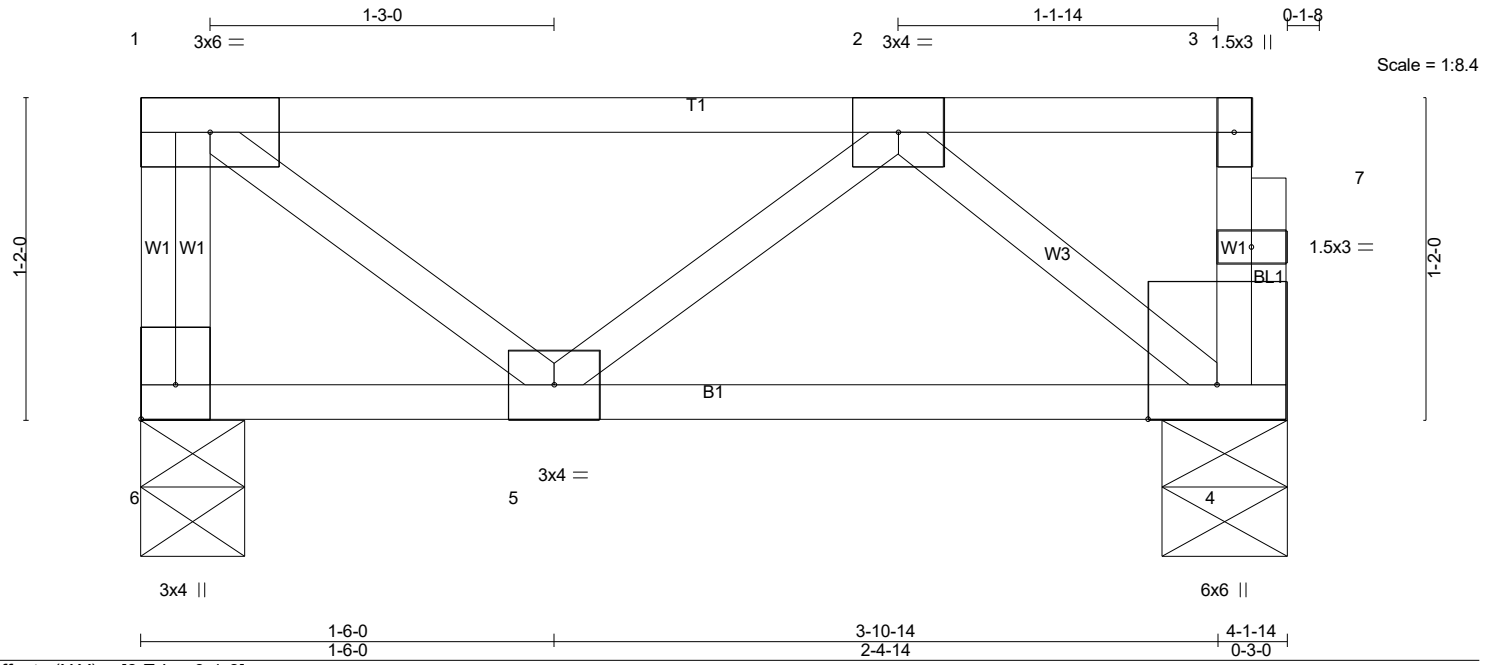

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 24 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 4-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=172/0-4-8 (min. 0-1-8), 4=167/0-5-6 (min. 0-1-8)

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

NOTES- (3-4)
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.
3) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F113	Floor Supported Gable	1	1	Job Reference (optional) **# 46669**

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0-1-8

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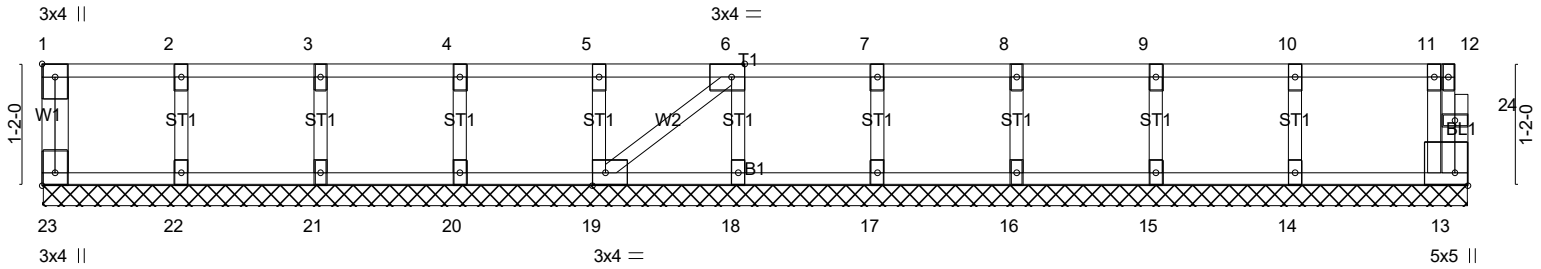

13-7-14
13-7-14

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [13:Edge,0-1-8], [19:0-1-8,Edge], [23: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	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 62 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 13-7-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 23, 13, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (7-8)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.
7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F114	Floor Supported Gable	1	1	# 46669
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Mar 18 20:33:05 2024 Page 1
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0-1-8

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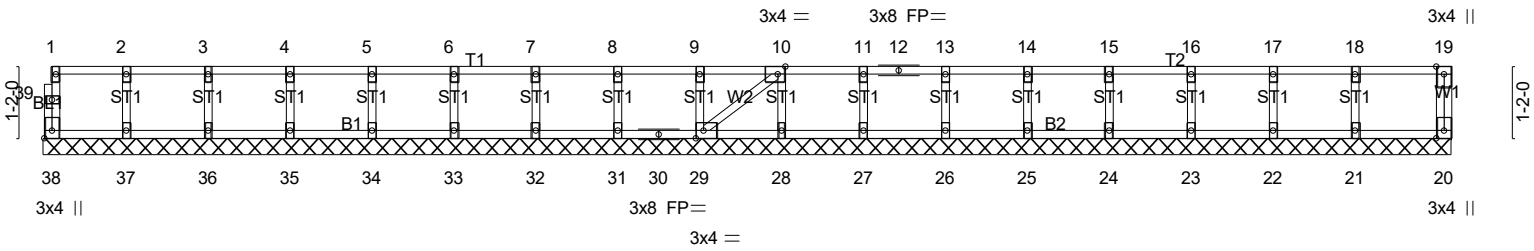

22-10-14
22-10-14

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [29:0-1-8,Edge], [38: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	0.08	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	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 97 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 22-10-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 29, 28, 27, 26, 25, 24, 23, 22, 21

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

NOTES- (7-8)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.
7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F115	Floor	11	1	# 46669
					Job Reference (optional)

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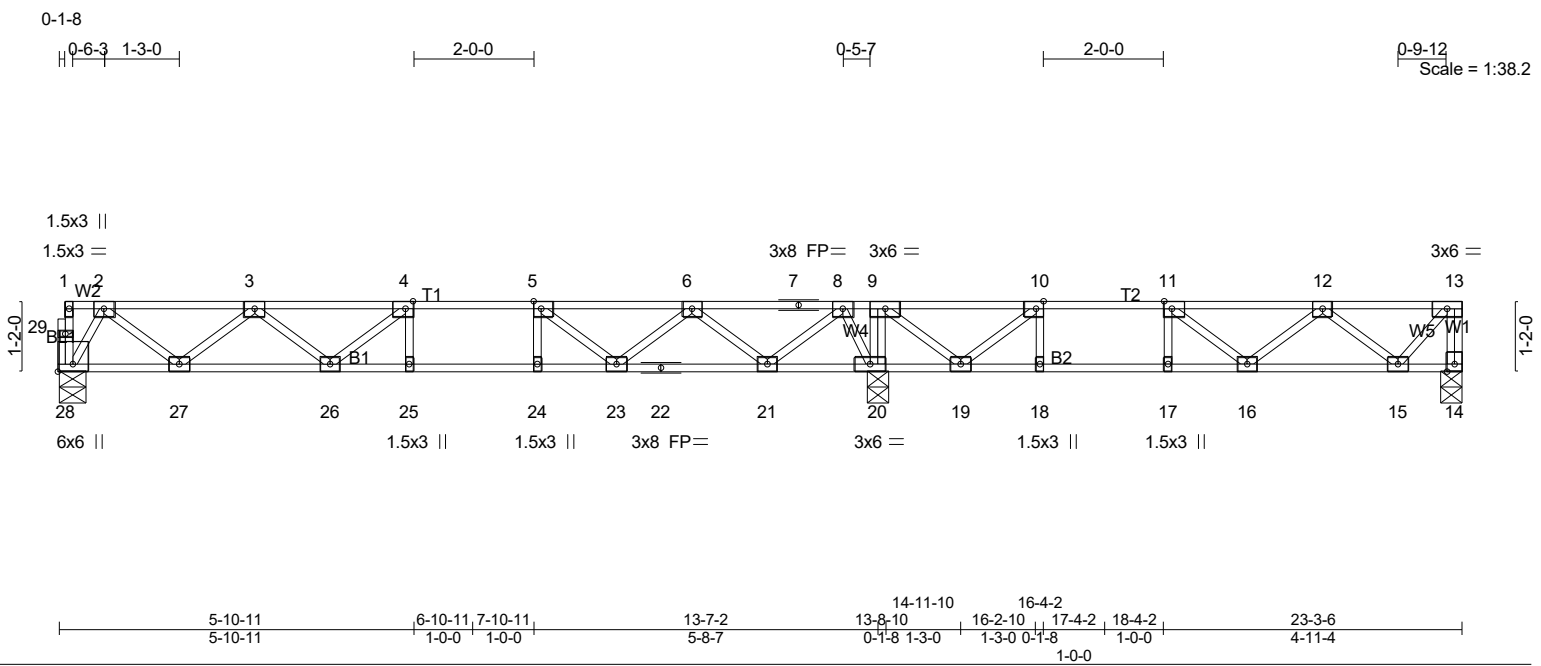

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [28:Edge,0-3-0]

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	0.43	Vert(LL)	-0.09	25-26	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.12	25-26	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 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 6-0-0 oc bracing.

REACTIONS. (lb/size) 28=547/0-5-6 (min. 0-1-8), 14=364/0-4-8 (min. 0-1-8), 20=1109/0-4-8 (min. 0-1-8)
Max Grav 28=558(LC 10), 14=409(LC 4), 20=1109(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-403/0, 2-3=-847/0, 3-4=-1529/0, 4-5=-1703/0, 5-6=-1387/0, 6-7=-548/0, 7-8=-548/0, 8-9=0/658, 9-10=-350/348, 10-11=-840/87, 11-12=-821/0, 12-13=-307/0
BOT CHORD 27-28=0/353, 26-27=0/1321, 25-26=0/1703, 24-25=0/1703, 23-24=0/1703, 22-23=0/1088, 21-22=0/1088, 20-21=-314/26, 19-20=-658/0, 18-19=-87/840, 17-18=-87/840, 16-17=-87/840, 15-16=0/710
WEBS 9-20=-453/0, 4-26=-298/0, 3-26=0/273, 3-27=-616/0, 2-27=0/643, 2-28=-679/0, 5-23=-473/0, 6-23=0/431, 6-21=-740/0, 8-21=0/765, 8-20=-784/0, 10-19=-771/0, 9-19=0/616, 12-15=-524/0, 13-15=0/459

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F115A	Floor	1	1	# 46669
					Job Reference (optional)

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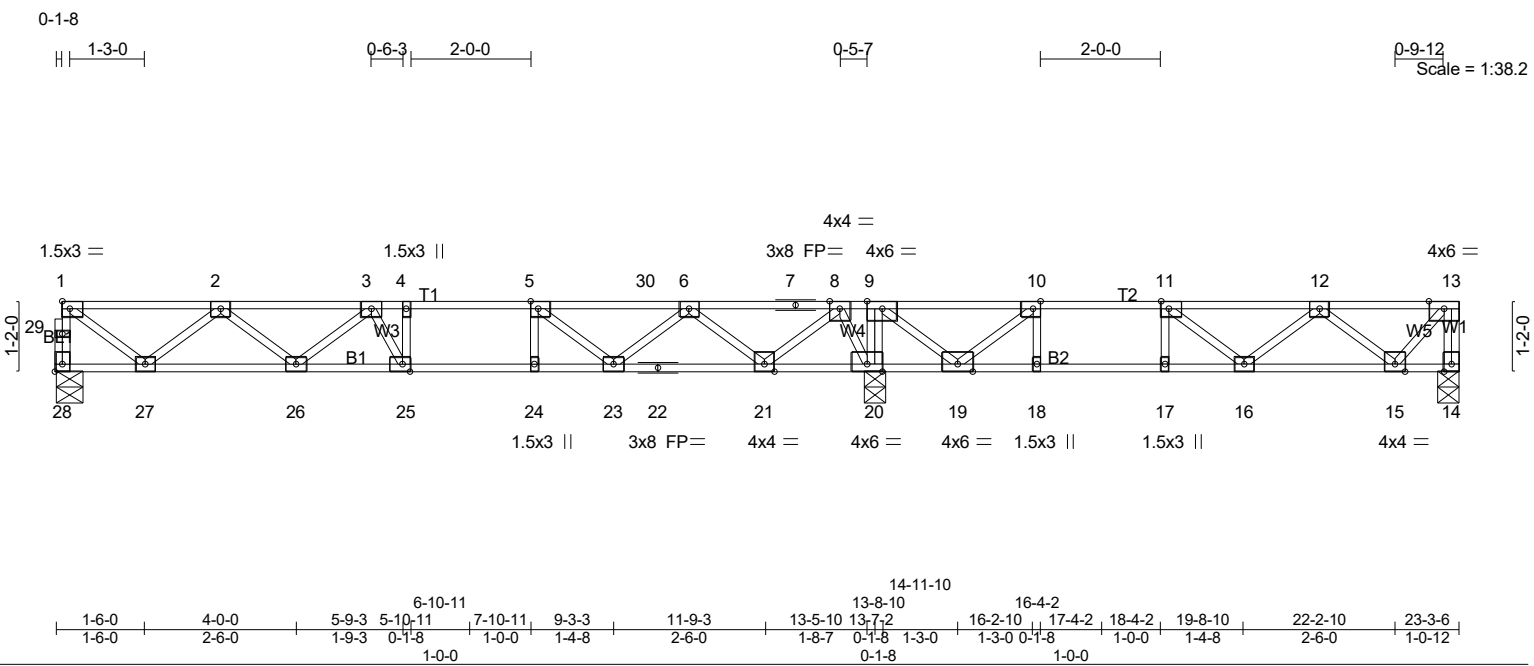


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]

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	0.94	Vert(LL)	-0.16	16-17	>701	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.22	16-17	>529	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

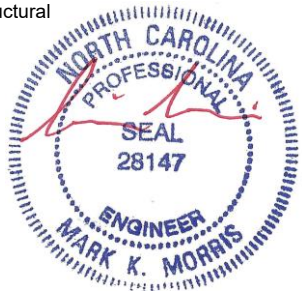
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21,19-20.

REACTIONS. (lb/size) 28=581/0-5-6 (min. 0-1-8), 14=814/0-4-8 (min. 0-1-8), 20=1962/0-4-8 (min. 0-1-8)
Max Grav 28=603(LC 10), 14=883(LC 4), 20=1962(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-600/0, 1-29=-599/0, 13-14=-870/0, 1-2=-688/0, 2-3=-1602/0, 3-4=-1992/0, 4-5=-1992/0, 5-30=-1788/0, 6-30=-1788/0, 6-7=-833/0, 7-8=-833/0, 8-9=0/1066, 9-10=-814/464, 10-11=-1849/0, 11-12=-1783/0, 12-13=-657/0
BOT CHORD 26-27=0/1287, 25-26=0/1905, 24-25=0/1992, 23-24=0/1992, 22-23=0/1556, 21-22=0/1556, 20-21=-540/112, 19-20=-1066/0, 18-19=0/1849, 17-18=0/1849, 16-17=0/1849, 15-16=0/1543
WEBS 10-18=0/412, 11-17=-373/0, 9-20=-970/0, 1-27=0/833, 2-27=-779/0, 2-26=0/409, 3-26=-395/0, 3-25=-103/359, 5-23=-421/0, 6-23=0/393, 6-21=-1019/0, 8-21=0/1031, 8-20=-1243/0, 9-19=0/1220, 10-19=-1527/0, 12-16=-57/313, 12-15=-1153/0, 13-15=0/983

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 13-30=-180



3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F116	FLOOR	4	1	# 46669
					Job Reference (optional)

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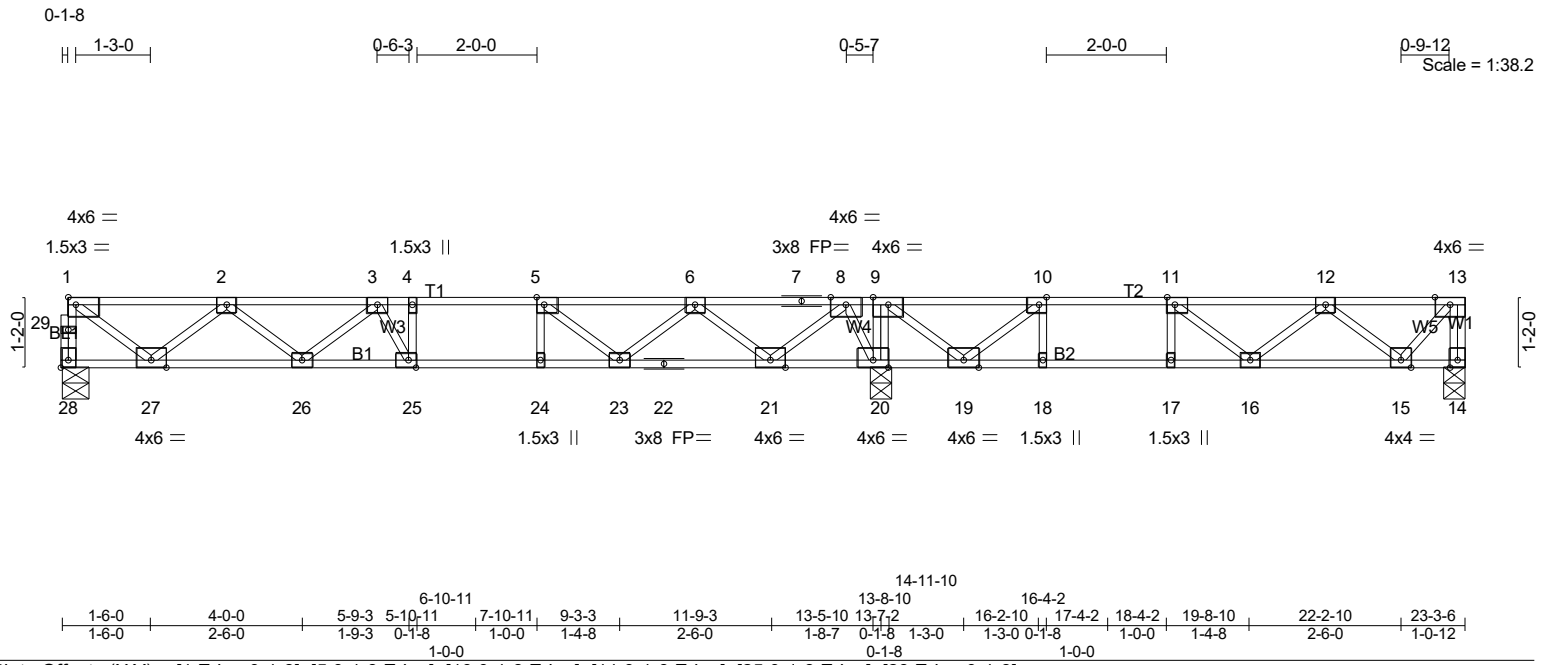


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [25:0-1-8,Edge], [28:Edge,0-1-8]

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	0.73	Vert(LL)	-0.09	25-26	>999	480	MT20	244/190
TCDL	60.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.21	25-26	>752	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 117 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

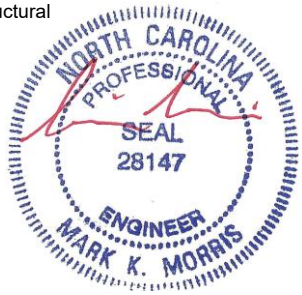
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21,19-20.

REACTIONS. (lb/size) 28=1037/0-5-6 (min. 0-1-8), 14=684/0-4-8 (min. 0-1-8), 20=2136/0-4-8 (min. 0-1-8)
Max Grav 28=1047(LC 10), 14=733(LC 4), 20=2136(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-1041/0, 1-29=-1040/0, 13-14=-719/0, 1-2=-1167/0, 2-3=-2679/0, 3-4=-3123/0, 4-5=-3123/0, 5-6=-2495/0, 6-7=-844/0, 7-8=-844/0, 8-9=0/1189, 9-10=-289/437, 10-11=-1342/0, 11-12=-1410/0, 12-13=-538/0
BOT CHORD 26-27=0/2205, 25-26=0/3106, 24-25=0/3123, 23-24=0/3123, 22-23=0/1910, 21-22=0/1910, 20-21=-531/0, 19-20=-1189/0, 18-19=0/1342, 17-18=0/1342, 16-17=0/1342, 15-16=0/1269
WEBS 10-18=0/398, 11-17=-359/0, 9-20=-874/0, 1-27=0/1410, 2-27=-1352/0, 2-26=0/617, 3-26=-555/0, 3-25=-140/252, 5-23=-868/0, 6-23=0/804, 6-21=-1424/0, 8-21=0/1436, 8-20=-1431/0, 9-19=0/1162, 10-19=-1489/0, 11-16=0/281, 12-15=-951/0, 13-15=0/804

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F116A	Floor	4	1	Job Reference (optional) **# 46669**

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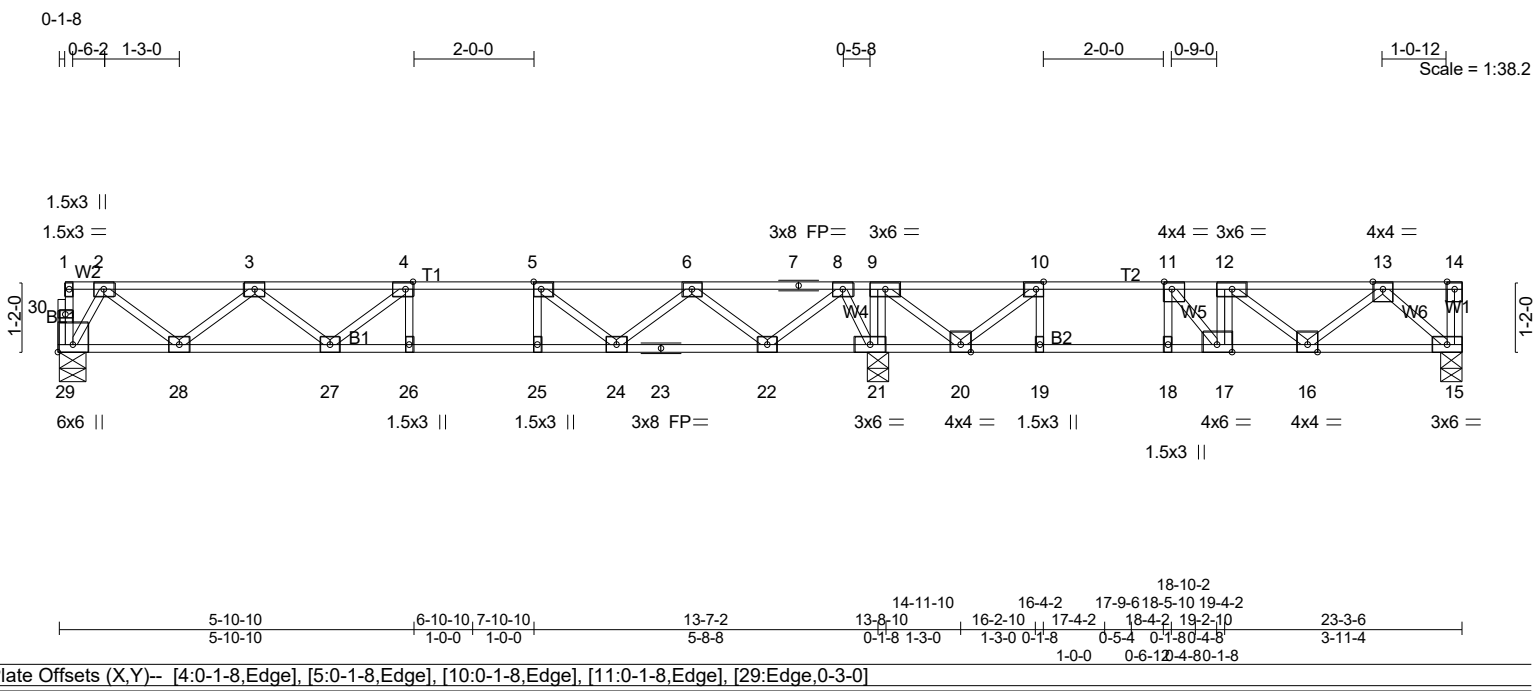


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [29:Edge,0-3-0]

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	0.73	Vert(LL)	-0.16	17-18	>714	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.22	17-18	>526	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 120 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* T2: 2x4 SP SS(flat)
BOT CHORD 2x4 SP No.1(flat) *Except* B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

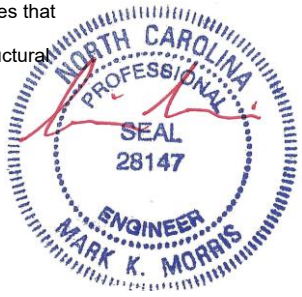
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 29=570/0-5-6 (min. 0-1-8), 21=1310/0-4-8 (min. 0-1-8), 15=781/0-4-8 (min. 0-1-8)
Max Grav 29=580(LC 10), 21=1310(LC 1), 15=830(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-886/0, 3-4=-1621/0, 4-5=-1844/0, 5-6=-1578/0, 6-7=-791/0, 7-8=-791/0, 8-9=-235/608, 9-10=-972/220, 10-11=-1925/0, 11-12=-2492/0, 12-13=-1658/0
BOT CHORD 28-29=0/367, 27-28=0/1383, 26-27=0/1844, 25-26=0/1844, 24-25=0/1844, 23-24=0/1307, 22-23=0/1307, 21-22=-256/352, 20-21=-608/235, 19-20=0/1925, 18-19=0/1925, 17-18=0/1925, 16-17=0/2492, 15-16=0/908
WEBS 12-17=-471/0, 10-19=0/424, 11-18=-472/0, 9-21=-583/0, 4-27=-361/0, 3-27=0/313, 3-28=-646/0, 2-28=0/676, 2-29=-707/0, 5-24=-461/0, 6-24=0/424, 6-22=-732/0, 8-22=0/754, 8-21=-828/0, 10-20=-1370/0, 9-20=0/1019, 11-17=0/1055, 12-16=-1046/0, 13-16=0/977, 13-15=-1207/0

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-29=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 12=-640



3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F117	Floor	1	1	# 46669
					Job Reference (optional)

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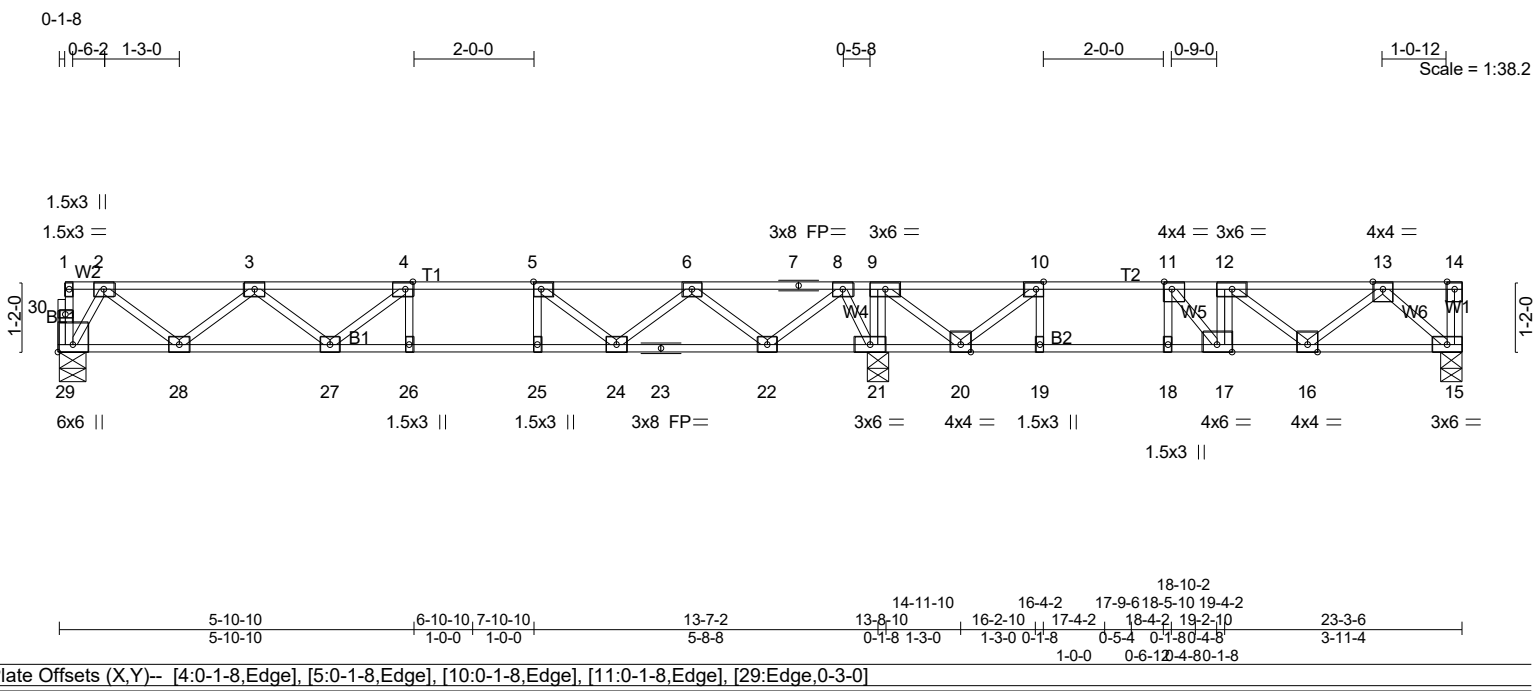


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [29:Edge,0-3-0]

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	0.73	Vert(LL)	-0.16	17-18	>714	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.22	17-18	>526	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 120 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* T2: 2x4 SP SS(flat)
BOT CHORD 2x4 SP No.1(flat) *Except* B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)

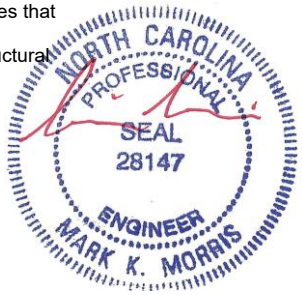
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 29=570/0-5-6 (min. 0-1-8), 21=1310/0-4-8 (min. 0-1-8), 15=781/0-4-8 (min. 0-1-8)
Max Grav 29=580(LC 10), 21=1310(LC 1), 15=830(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-886/0, 3-4=-1621/0, 4-5=-1844/0, 5-6=-1578/0, 6-7=-791/0, 7-8=-791/0, 8-9=-235/608, 9-10=-972/220, 10-11=-1925/0, 11-12=-2492/0, 12-13=-1658/0
BOT CHORD 28-29=0/367, 27-28=0/1383, 26-27=0/1844, 25-26=0/1844, 24-25=0/1844, 23-24=0/1308, 22-23=0/1308, 21-22=-256/352, 20-21=-608/235, 19-20=0/1925, 18-19=0/1925, 17-18=0/1925, 16-17=0/2492, 15-16=0/908
WEBS 12-17=-471/0, 10-19=0/424, 11-18=-472/0, 9-21=-583/0, 4-27=-361/0, 3-27=0/313, 3-28=-646/0, 2-28=0/676, 2-29=-707/0, 5-24=-461/0, 6-24=0/424, 6-22=-732/0, 8-22=0/754, 8-21=-828/0, 10-20=-1370/0, 9-20=0/1019, 11-17=0/1055, 12-16=-1046/0, 13-16=0/977, 13-15=-1207/0

NOTES- (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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.
5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-29=-8, 1-14=-80
Concentrated Loads (lb)
Vert: 12=-640



3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F118	Floor	12	1	Job Reference (optional) **# 46669**

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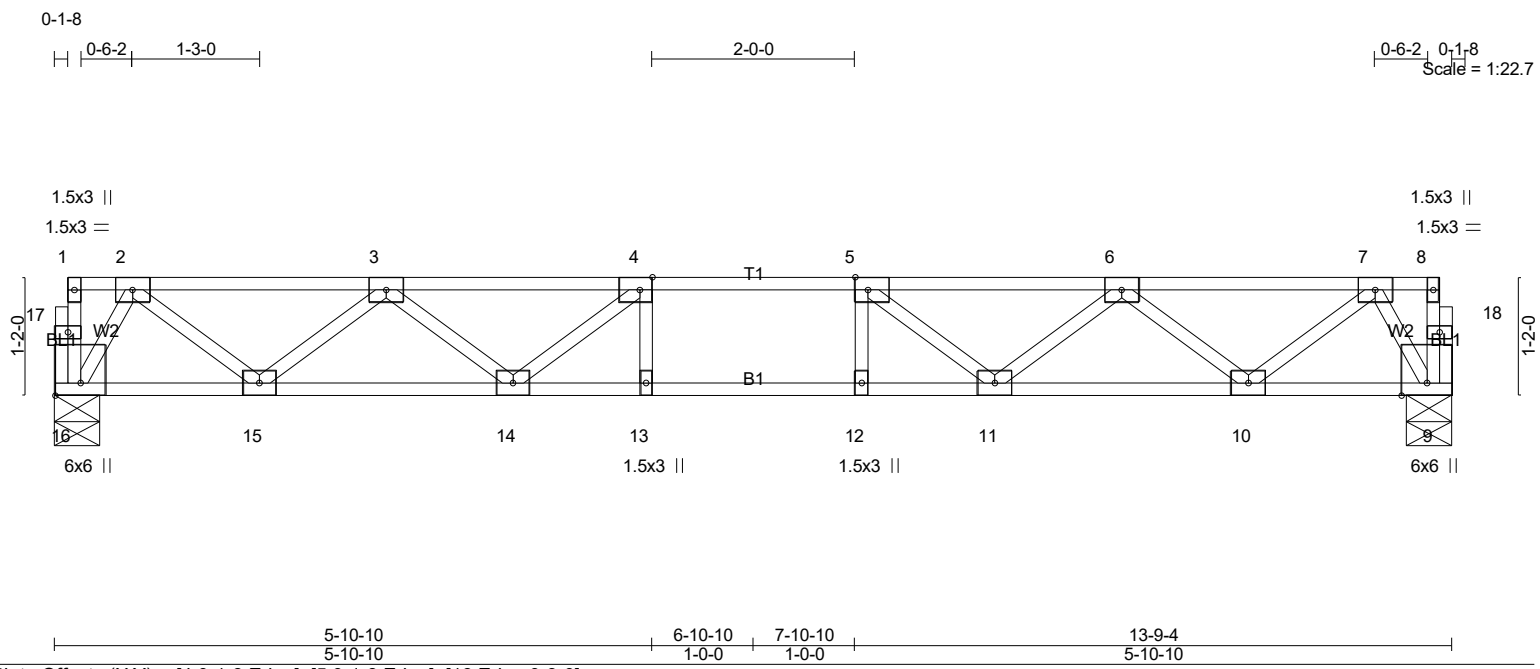

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Edge,0-3-0]

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	0.26	Vert(LL)	-0.09	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.12	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 70 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=590/0-5-6 (min. 0-1-8), 9=590/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-903/0, 3-4=-1662/0, 4-5=-1907/0, 5-6=-1662/0, 6-7=-903/0
BOT CHORD 15-16=0/373, 14-15=0/1410, 13-14=0/1907, 12-13=0/1907, 11-12=0/1907, 10-11=0/1409, 9-10=0/372
WEBS 4-14=-428/0, 3-14=0/355, 3-15=-660/0, 2-15=0/690, 2-16=-719/0, 5-11=-428/0, 6-11=0/355, 6-10=-660/0, 7-10=0/690, 7-9=-719/0

NOTES- (4-5)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
5) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0096 BLAKE POND | 127 WHIMBREL COURT LILLINGTON, NC
24-1484-F01	F119	Floor Supported Gable	1	1	Job Reference (optional) **# 46669**

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0-1-8 0-1-8

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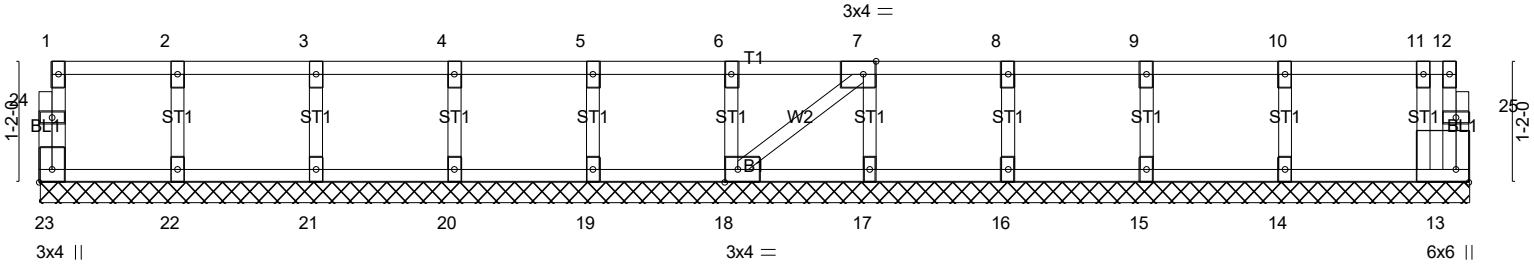

13-9-4
13-9-4

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [13:Edge,0-1-8], [18:0-1-8,Edge], [23: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	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 61 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 13-9-4.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 23, 13, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES- (6-7)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

3/18/2024