Mark Morris, P.E.

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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 #: 55564
JOB: 24-B592-F01
JOB NAME: LOT 0.0017 CAMPBELL RIDGE
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 2018 as well as IRC 2021.
24 Truss Design(s)

Trusses:
F101, F102, F103, F103A, F103B, F103C, F104, F105, F106, F107, F108, F109, F110, F111, F111A, F112, F114, F115, F115A, F115B, F115C, F115D, F116, F117

12/21/2024
Mark Morris

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F101	Floor Supported Gable	1	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:34 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-hxZ?n2HHb3zSp194uW0elTHLz5rz_6uvZ1FCtAy6ek?

0-1-8

Scale = 1:32.7

3x4 =   3x8 FP=   3x4 ||

3x4 =   3x8 FP=   3x4 ||

T1   T2

1-2-0 B2 ST1 ST1 ST1 ST1 ST1 ST1 ST1 W2 ST1 ST1 ST1 ST1 ST1 ST1 ST1 W1   1-2-0

B1   B2

34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18

3x4 || 3x8 FP=   3x4 =   3x4 ||

20-0-6
20-0-6

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [26:0-1-8,Edge], [34: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	0.05	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 20-0-6.
    (lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 34, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33

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
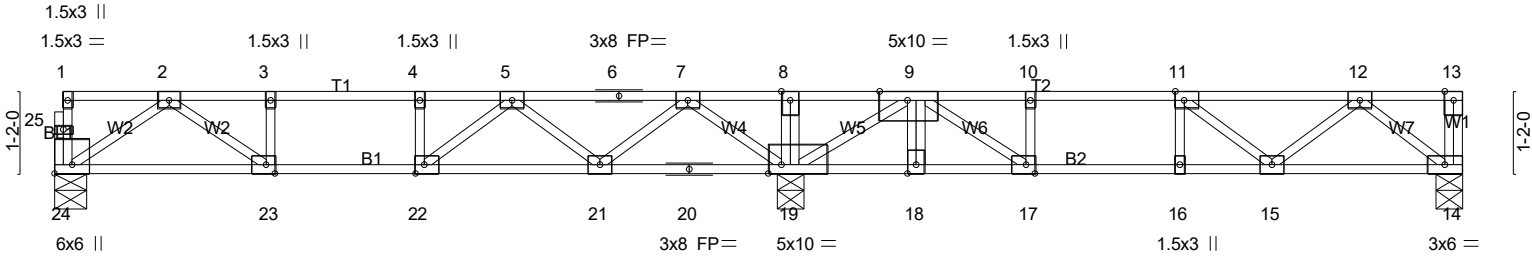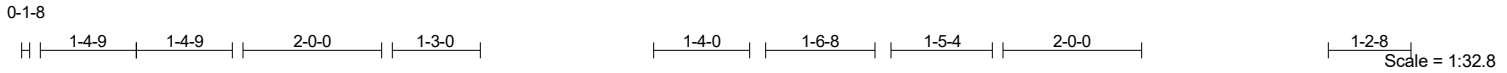   design of the truss to support the loads indicated.

LOAD CASE(S) Standard

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F102	Floor	7	1	**# 55564**
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:35 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-987N_OIvMN5JQBkHSDXtlhqK1U1UjOf3oh?mPdy6ek_

0-1-8

| 1-4-9 | 1-4-9 | 2-0-0 | 1-3-0 | | 1-4-0 | 1-6-8 | 1-5-4 | 2-0-0 | | 1-2-8 |

Scale = 1:32.8

| 1-7-9 | 3-1-10 | 4-1-10 | 5-1-10 | 10-5-10 | 12-3-2 | 13-11-6 | 14-11-6 | 15-11-6 | 20-0-6 |
| 1-7-9 | 1-6-1 | 1-0-0 | 1-0-0 | 5-4-0 | 1-9-8 | 1-8-4 | 1-0-0 | 1-0-0 | 4-1-0 |

Plate Offsets (X,Y)-- [9:0-4-12,Edge], [11:0-1-8,Edge], [17:0-1-8,Edge], [19:0-2-4,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [24: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	0.80	Vert(LL)	-0.05	21-22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.17	17-18	>684	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.01	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 102 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
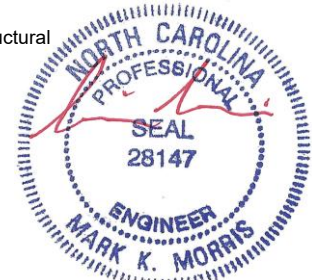   B2: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat) *Except*
    W5: 2x4 SP No.2(flat)

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) 24=208/0-5-6 (min. 0-1-8), 14=618/0-4-8 (min. 0-1-8), 19=3388/0-4-8 (min. 0-1-11)
    Max Uplift24=-80(LC 4)
    Max Grav 24=224(LC 10), 14=660(LC 4), 19=3388(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-183/488, 3-4=-183/488, 4-5=-183/488, 5-6=0/1281, 6-7=0/1281, 7-8=0/2451,
    8-9=0/2452, 9-10=-2078/0, 10-11=-2078/0, 11-12=-1334/0
BOT CHORD 22-23=-488/183, 21-22=-942/0, 20-21=-1582/0, 19-20=-1582/0, 18-19=0/2390,
    17-18=0/2391, 16-17=0/2078, 15-16=0/2078, 14-15=0/756
WEBS 11-16=0/262, 4-22=-336/0, 5-22=0/760, 5-21=-758/0, 7-21=0/709, 7-19=-1067/0,
    11-15=-950/0, 12-15=0/753, 12-14=-959/0, 9-19=-5105/0, 9-17=-540/0, 2-24=-284/182,
    2-23=-416/0

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 80 lb uplift at joint 24.
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: 14-24=-8, 1-13=-80
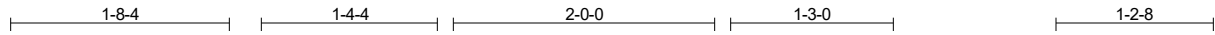   Concentrated Loads (lb)
      Vert: 9=-2480

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F103	FLOOR	2	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:35 2024 Page 1
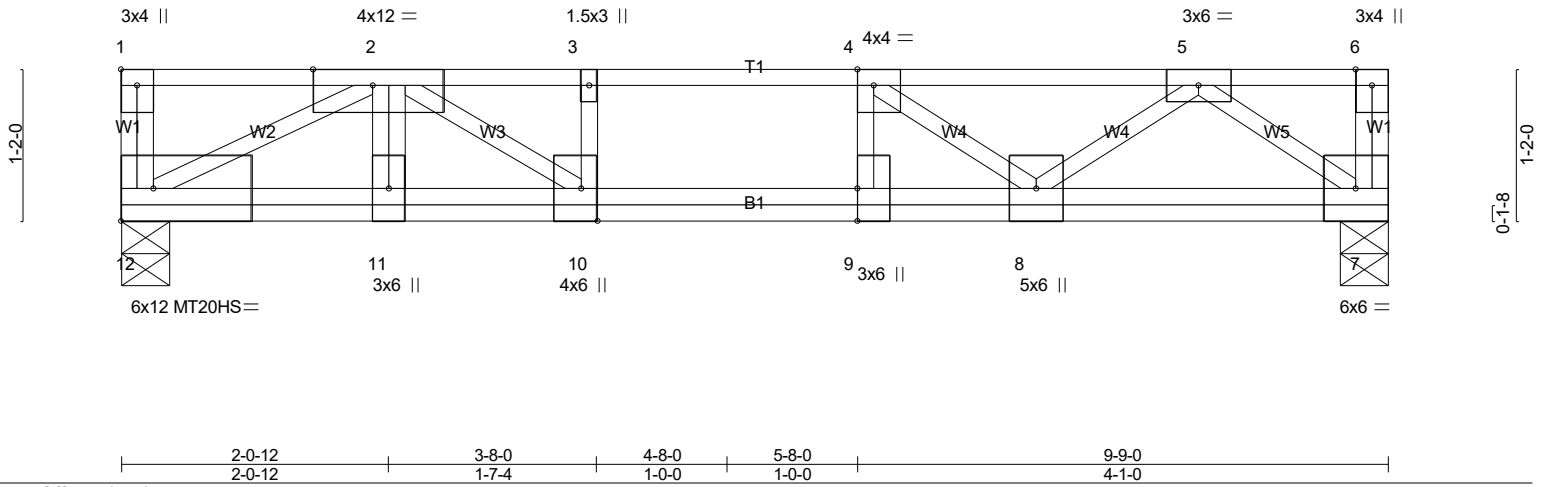ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-987N_OIvMN5JQBkHSDXtlhqK7U?6jOb3oh?mPdy6ek_

1-8-4   1-4-4   2-0-0   1-3-0   1-2-8

Scale = 1:17.7

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

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-5-8,Edge], [4:0-1-8,Edge], [9:0-3-0,0-0-0], [10:0-3-0,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	0.79	Vert(LL)	-0.02	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.16	10-11	>692	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.02	7	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 SS(flat)
WEBS   2x4 SP No.3(flat) *Except*
           W2: 2x4 SP No.2(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=2395/0-4-8 (min. 0-1-8), 7=920/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   2-3=-3502/0, 3-4=-3502/0, 4-5=-2032/0
BOT CHORD   11-12=0/4515, 10-11=0/4518, 9-10=0/3502, 8-9=0/3502, 7-8=0/1135
WEBS   2-11=0/305, 4-9=0/904, 4-8=-1880/0, 5-8=0/1139, 5-7=-1408/0, 2-10=-1381/0,
            2-12=-5065/0

NOTES-   (5-6)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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: 7-12=-8, 1-6=-80
   Concentrated Loads (lb)
        Vert: 2=-2480

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F103A	Floor	1	1	Job Reference (optional) **# 55564**

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:36 2024 Page 1
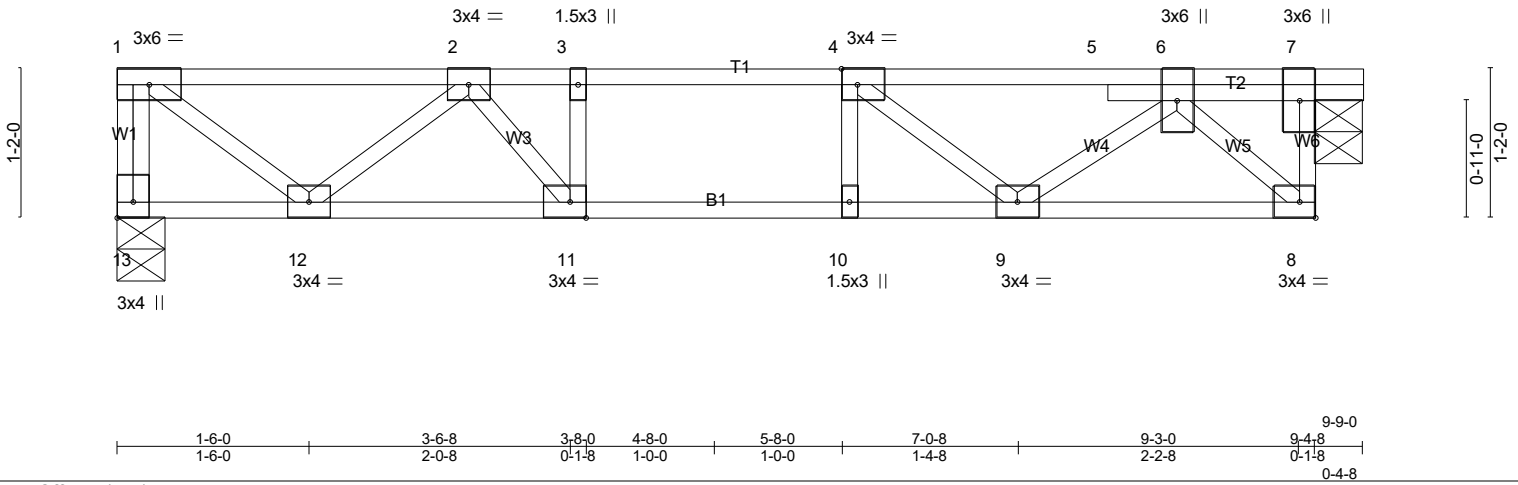ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-dKhlCklX6hDA2LJT?x26ruMefuTRSzyC0KkJx3y6ejz

Scale = 1:18.0

Plate Offsets (X,Y)--	[4:0-1-8,Edge], [11:0-1-8,Edge], [13: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	0.23	Vert(LL)	-0.03	10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.04	10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 51 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=404/0-4-8 (min. 0-1-8), 7=404/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   1-13=-397/0, 7-8=0/389, 1-2=-410/0, 2-3=-865/0, 3-4=-865/0, 4-5=-649/0, 5-6=-658/0
BOT CHORD   11-12=0/773, 10-11=0/865, 9-10=0/865, 8-9=0/398
WEBS   1-12=0/515, 2-12=-472/0, 2-11=0/291, 4-9=-312/0, 6-9=0/319, 6-8=-552/0

NOTES-   (5-6)
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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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.
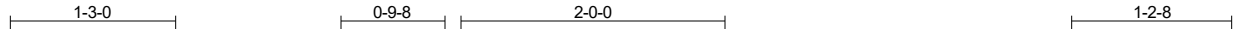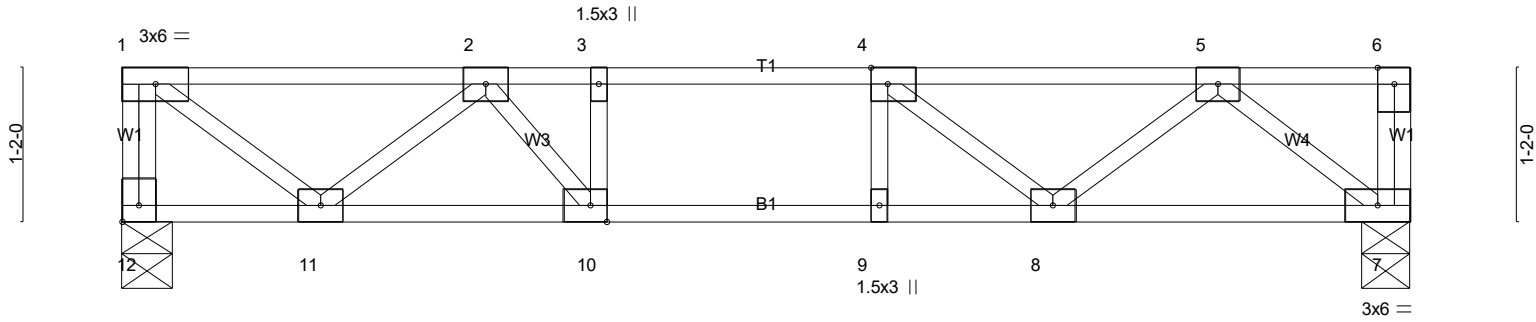
LOAD CASE(S) Standard

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F103B	Floor	1	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:36 2024 Page 1
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Scale = 1:17.4

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [10:0-1-8,Edge], [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	0.24	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	0.25	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 50 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=418/0-4-8 (min. 0-1-8), 7=418/0-4-8 (min. 0-1-8)

FORCES.   (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   1-12=-409/0, 1-2=-425/0, 2-3=-928/0, 3-4=-928/0, 4-5=-727/0
BOT CHORD   10-11=0/811, 9-10=0/928, 8-9=0/928, 7-8=0/492
WEBS   1-11=0/533, 2-11=-502/0, 2-10=0/327, 4-8=-288/0, 5-8=0/306, 5-7=-624/0

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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F103C	FLOOR	1	1	# 55564
					Job Reference (optional)

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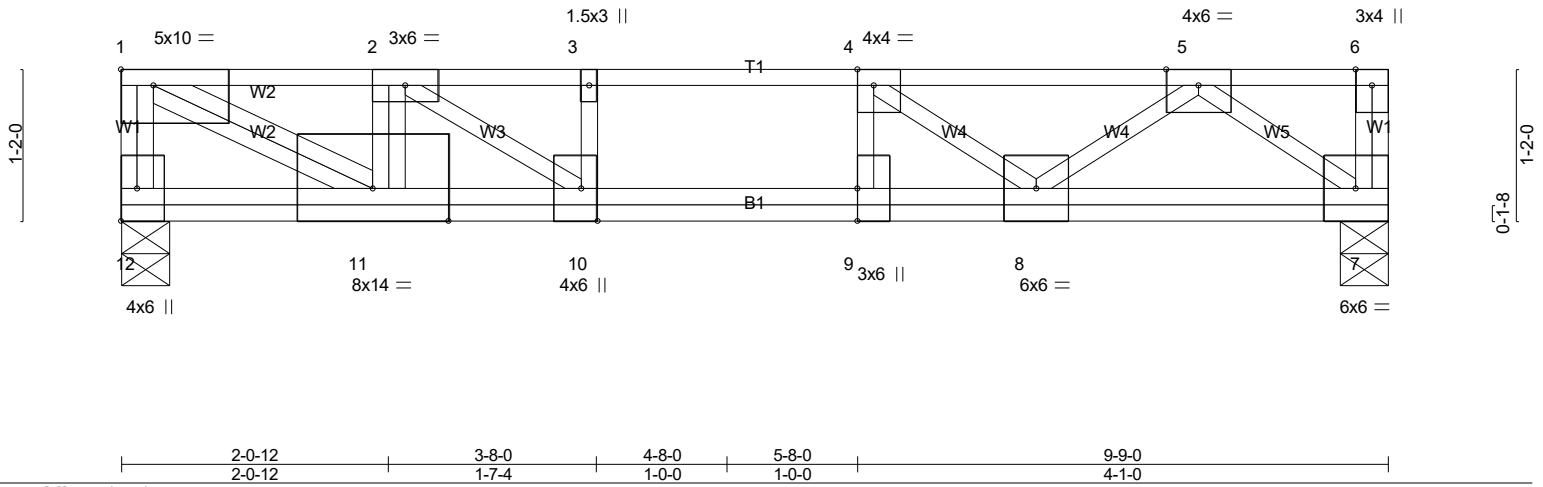ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-dKhlCkIX6hDA2LJT?x26ruMVWuJ4SqGC0KkJx3y6ejz
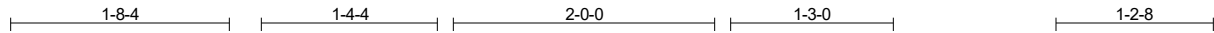
Scale = 1:17.7

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [9:0-3-0,0-0-0], [10:0-3-0,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	0.81	Vert(LL)	-0.02	9	>999	480		MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.18	10-11	>626	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.02	7	n/a	n/a			
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH								Weight: 67 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP SS(flat)
BOT CHORD 2x4 SP SS(flat)
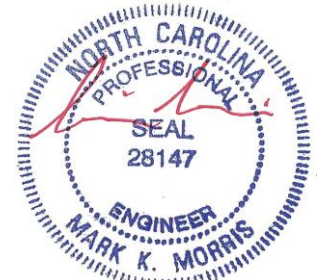WEBS   2x4 SP No.3(flat) *Except*
           W2: 2x4 SP No.2(flat)

BRACING-
TOP CHORD   Structural wood sheathing directly applied or 5-11-7 oc purlins, except
             end verticals.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)   12=2806/0-4-8 (min. 0-1-8), 7=1030/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   1-12=-2793/0, 1-2=-4985/0, 2-3=-4053/0, 3-4=-4053/0, 4-5=-2313/0
BOT CHORD   10-11=0/5346, 9-10=0/4053, 8-9=0/4053, 7-8=0/1268
WEBS   2-11=-2429/0, 4-9=0/1066, 4-8=-2216/0, 5-8=0/1328, 5-7=-1573/0, 2-10=-1705/0,
            1-11=0/5681

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: 7-12=-8, 1-6=-80
   Concentrated Loads (lb)
        Vert: 2=-3000

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F104	FLOOR SUPPORTED GABL	1	1	# 55564
					Job Reference (optional)	

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:37 2024 Page 1
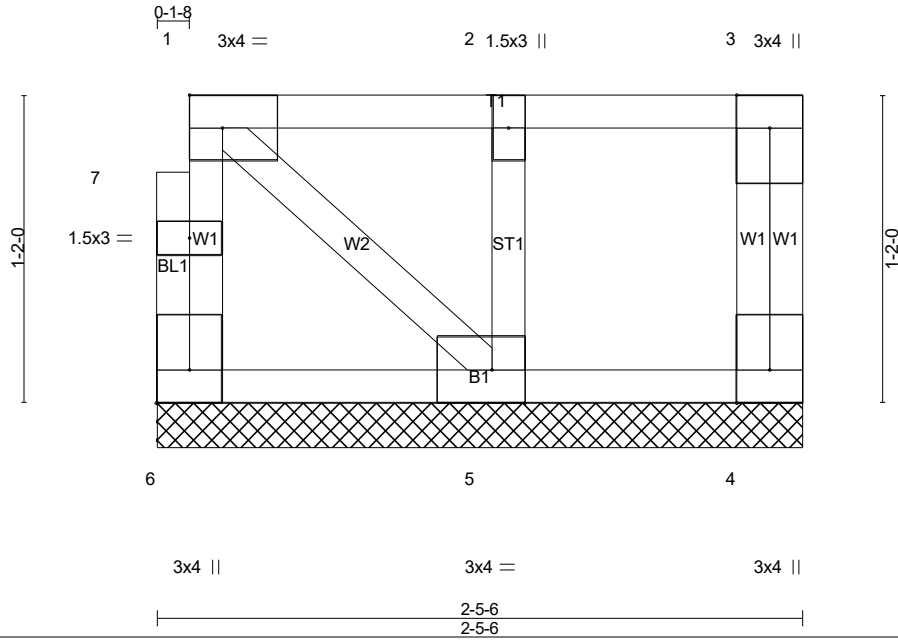ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-5WF7P4J9t_L1gVufZeaLN6vsKltgBTfMF_UsTVy6ejy

Scale = 1:8.7

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

LOADING (psf)		SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.04	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	0.02	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 2-5-6 oc purlins, except end verticals.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=38/2-5-6 (min. 0-1-8), 4=31/2-5-6 (min. 0-1-8), 5=119/2-5-6 (min. 0-1-8)

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

NOTES-   (6-7)
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) 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.
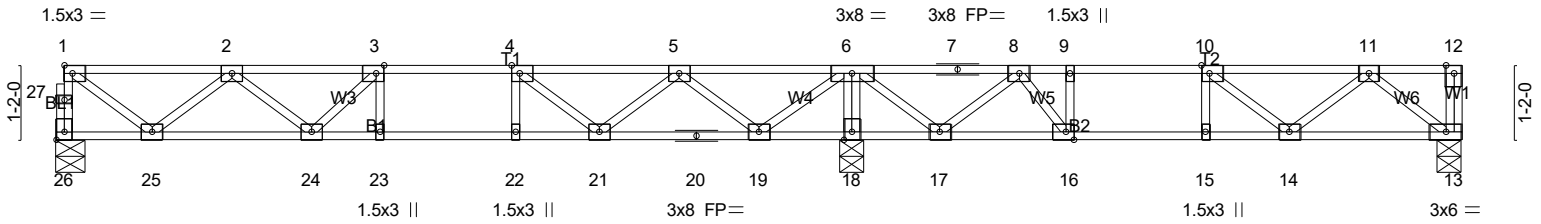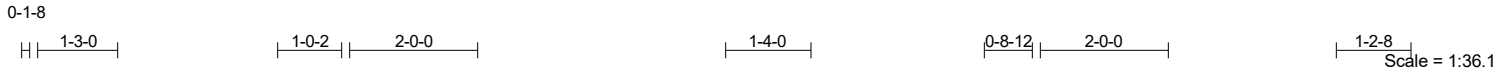
LOAD CASE(S) Standard

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F105	Floor	4	1	**# 55564**
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:37 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-5WF7P4J9t_L1gVufZeaLN6vnNImiBNyMF_UsTVy6ejy

0-1-8

Scale = 1:36.1

1.5x3 ═   3x8 ═   3x8 FP═   1.5x3 ‖

1.5x3 ‖   1.5x3 ‖   3x8 FP═   1.5x3 ‖   3x6 ═

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [16:0-1-8,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	0.36	Vert(LL)	-0.07	23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.09	23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	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 6-0-0 oc bracing.

REACTIONS. (lb/size) 26=488/0-5-6 (min. 0-1-8), 18=1073/0-4-8 (min. 0-1-8), 13=349/0-4-8 (min. 0-1-8)
Max Grav 26=501(LC 10), 18=1073(LC 1), 13=388(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   26-27=-497/0, 1-27=-496/0, 1-2=-551/0, 2-3=-1228/0, 3-4=-1369/0, 4-5=-1080/0,
5-6=-253/25, 6-7=-220/324, 7-8=-220/324, 8-9=-792/18, 9-10=-792/18, 10-11=-653/0
BOT CHORD   24-25=0/1028, 23-24=0/1369, 22-23=0/1369, 21-22=0/1369, 20-21=0/796, 19-20=0/796,
18-19=-654/0, 17-18=-657/0, 16-17=-162/625, 15-16=-18/792, 14-15=-18/792, 13-14=0/460
WEBS   9-16=-272/0, 6-18=-1032/0, 1-25=0/665, 2-25=-621/0, 2-24=0/260, 4-21=-440/0,
5-21=0/416, 5-19=-726/0, 6-19=0/817, 6-17=0/565, 8-17=-599/0, 8-16=0/487,
11-14=-11/252, 11-13=-584/0

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.
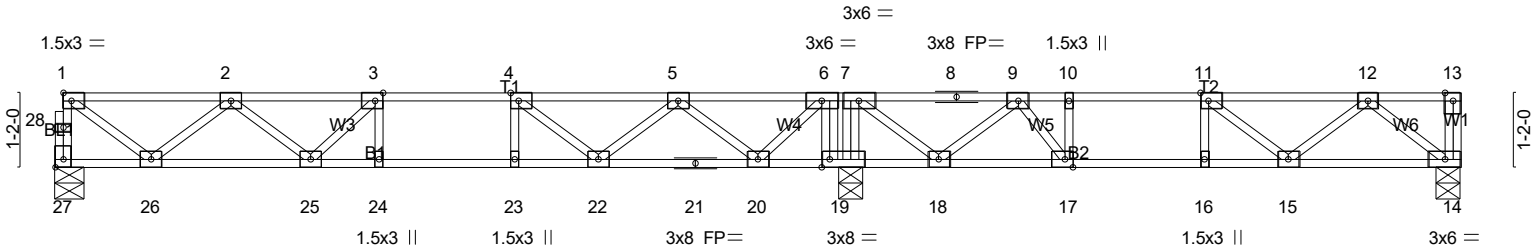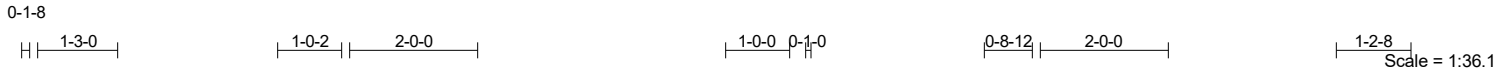
LOAD CASE(S) Standard

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F106	FLOOR	3	1	# 55564 Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:38 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-ZipVdPKneITtIeTr7M5awJSxyi5Swr9VUeDQ?xy6ejx

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [11:0-1-8,Edge], [17:0-1-8,Edge], [19:0-1-8,Edge], [27: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	0.43	Vert(LL)	-0.07	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.09	24	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 113 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) 27=492/0-5-6 (min. 0-1-8), 19=2835/0-4-8 (min. 0-1-8), 14=343/0-4-8 (min. 0-1-8)
Max Grav 27=506(LC 10), 19=2835(LC 1), 14=379(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   27-28=-502/0, 1-28=-502/0, 1-2=-558/0, 2-3=-1249/0, 3-4=-1402/0, 4-5=-1123/0,
            5-6=-319/0, 6-7=0/804, 7-8=-155/400, 8-9=-155/400, 9-10=-750/62, 10-11=-750/62,
            11-12=-630/0
BOT CHORD   25-26=0/1042, 24-25=0/1402, 23-24=0/1402, 22-23=0/1402, 21-22=0/843, 20-21=0/843,
            19-20=-445/0, 18-19=-719/0, 17-18=-213/560, 16-17=-62/750, 15-16=-62/750, 14-15=0/450
WEBS   6-19=-2364/0, 10-17=-276/0, 7-19=-609/0, 1-26=0/674, 2-26=-629/0, 2-25=0/270,
            3-25=-260/0, 12-14=-571/0, 4-22=-427/0, 5-22=0/408, 5-20=-717/0, 6-20=0/689,
            7-18=0/580, 9-18=-611/0, 9-17=0/499

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: 14-27=-8, 1-13=-80
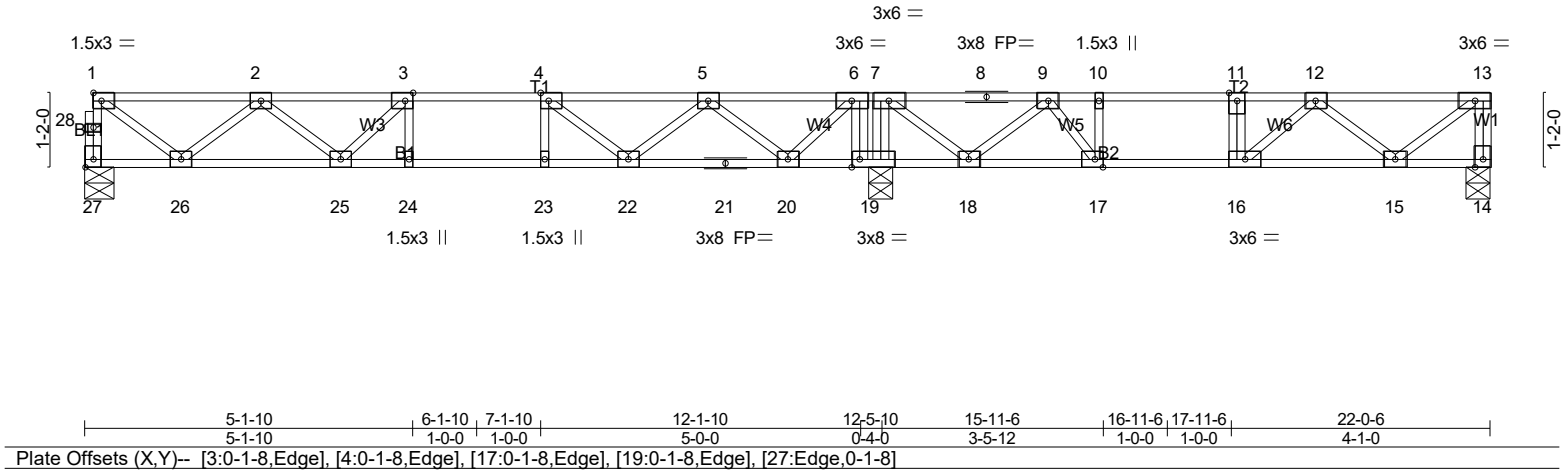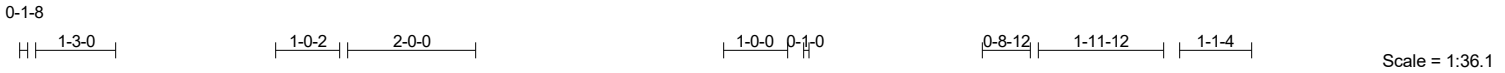   Concentrated Loads (lb)
       Vert: 6=-1760

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F107	FLOOR	2	1	# 55564

Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:39 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-1vNuqlLPPcbkvo12h3cpSX_?O6O3flqejIzzYOy6ejw

Scale = 1:36.1

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [17:0-1-8,Edge], [19:0-1-8,Edge], [27: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	0.84	Vert(LL)	-0.07	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.12	15-16	>944	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 114 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: 19-20,18-19.

REACTIONS. (lb/size) 27=504/0-5-6 (min. 0-1-8), 14=501/0-4-8 (min. 0-1-8), 19=2906/0-4-8 (min. 0-1-8)
Max Grav 27=518(LC 10), 14=537(LC 4), 19=2906(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-514/0, 1-28=-513/0, 13-14=-546/0, 1-2=-573/0, 2-3=-1293/0, 3-4=-1469/0, 4-5=-1215/0, 5-6=-438/0, 6-7=0/624, 7-8=-398/125, 8-9=-398/125, 9-10=-1241/0, 10-11=-1241/0, 11-12=-1241/0, 12-13=-611/0
BOT CHORD 25-26=0/1069, 24-25=0/1469, 23-24=0/1469, 22-23=0/1469, 21-22=0/951, 20-21=0/951, 19-20=-270/55, 18-19=-525/0, 17-18=0/915, 16-17=0/1241, 15-16=0/1094
WEBS 6-19=-2322/0, 10-17=-429/0, 7-19=-708/0, 1-26=0/692, 2-26=-646/0, 2-25=0/291, 3-25=-292/0, 13-15=0/766, 12-15=-629/0, 4-22=-384/0, 5-22=0/381, 5-20=-697/0, 6-20=0/663, 7-18=0/698, 9-18=-755/0, 9-17=0/727

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: 14-27=-8, 1-13=-80
Concentrated Loads (lb)
Vert: 6=-1760 11=-240

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F108	FLOOR	1	1	# 55564

Job Reference (optional)

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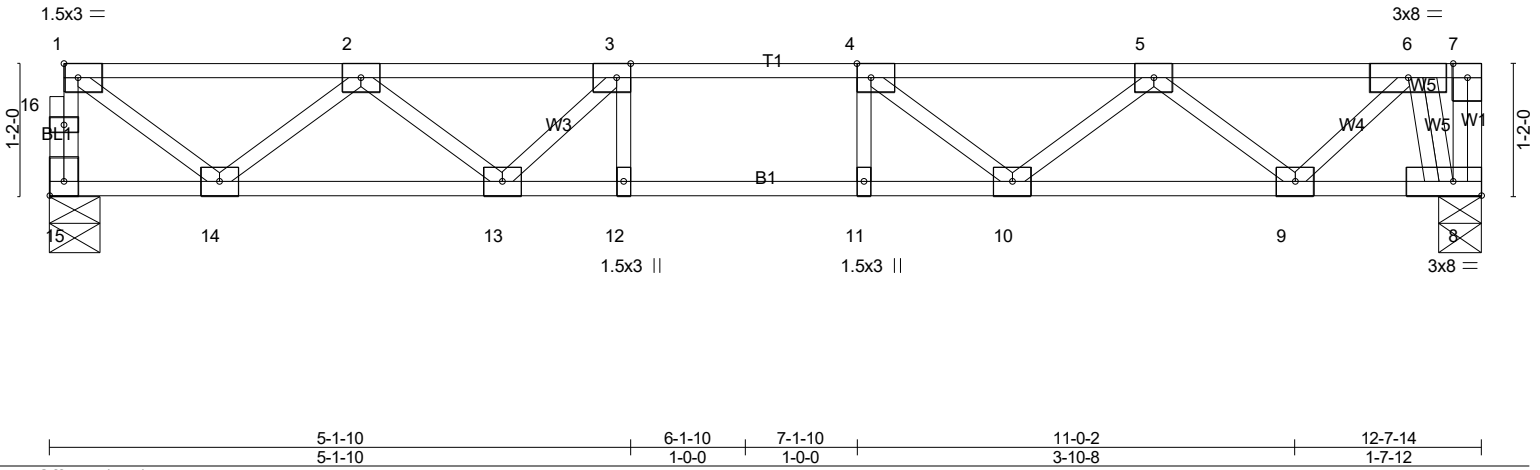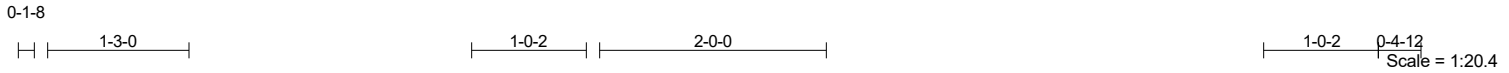ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-1vNuqlLPPcbkvo12h3cpSX_6l6MnfHRejIzzYOy6ejw

0-1-8
1-3-0
1-0-2
2-0-0
1-0-2
0-4-12
Scale = 1:20.4

1.5x3 =
3x8 =

16
1-2-0
BL1
W3
W4
W5
W1
W5
T1
B1

5-1-10
5-1-10
6-1-10
7-1-10
11-0-2
12-7-14
1-0-0
1-0-0
3-10-8
1-7-12

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [15: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	0.43	Vert(LL)	-0.08	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.15	10-11	>983	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 66 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)   15=598/0-5-6 (min. 0-1-8), 8=2248/0-4-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   15-16=-596/0, 1-16=-595/0, 1-2=-677/0, 2-3=-1596/0, 3-4=-1931/0, 4-5=-1855/0, 5-6=-1275/0
BOT CHORD   13-14=0/1260, 12-13=0/1931, 11-12=0/1931, 10-11=0/1931, 9-10=0/1703, 8-9=0/883
WEBS   1-14=0/819, 2-14=-758/0, 2-13=0/462, 3-13=-564/0, 5-9=-557/0, 6-9=0/536, 6-8=-2434/0

NOTES-   (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6 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.
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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 6=-1760
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 6=-1760
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-8, 1-4=-80, 4-7=-16

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F108	FLOOR	1	1	Job Reference (optional)	# 55564

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:39 2024 Page 2
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-1vNuqlLPPcbkvo12h3cpSX_6l6MnfHRejIzzYOy6ejw

LOAD CASE(S)
    Concentrated Loads (lb)
        Vert: 6=-1760
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-15=-8, 1-3=-16, 3-7=-80
    Concentrated Loads (lb)
        Vert: 6=-1760
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-15=-8, 1-4=-80, 4-7=-16
    Concentrated Loads (lb)
        Vert: 6=-1760
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-15=-8, 1-3=-16, 3-7=-80
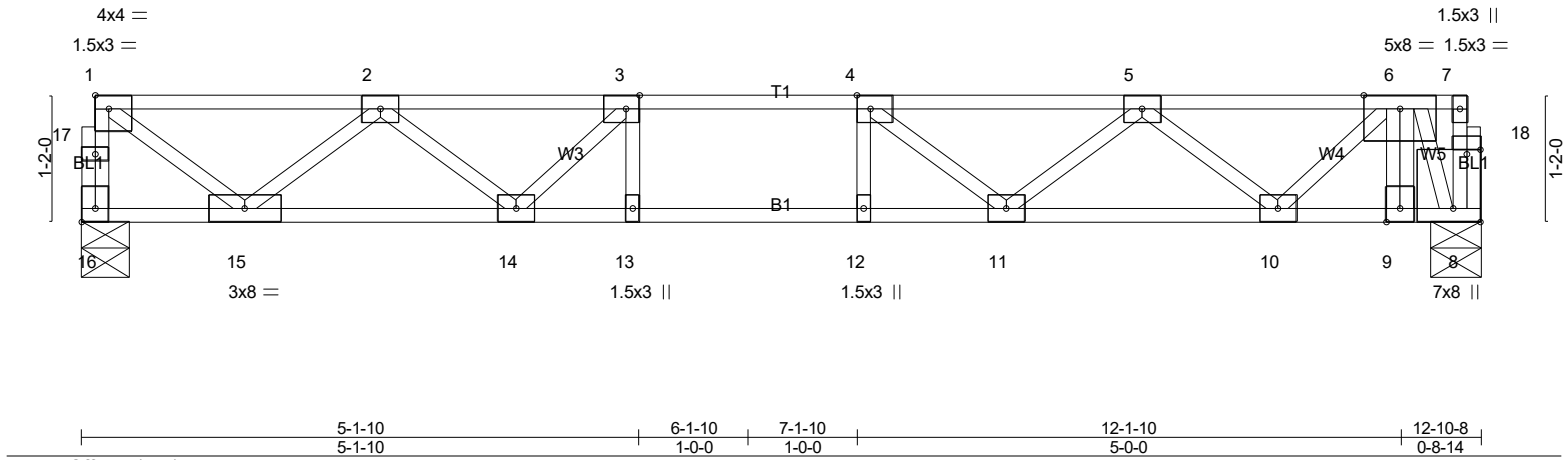   Concentrated Loads (lb)
        Vert: 6=-1760

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F109	FLOOR	1	1	Job Reference (optional) # 55564

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:40 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-V5xG15L2AvjbXycEEn72?kXFOVjROhAoxyiX4qy6ejv

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [8:Edge,0-3-0], [16:Edge,0-1-8], [18:0-1-8,0-0-8]

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	0.56	Vert(LL)	-0.10	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.20	11-12	>747	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 68 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)

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=771/0-5-6 (min. 0-1-8), 8=2365/0-5-6 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   16-17=-770/0, 1-17=-768/0, 1-2=-878/0, 2-3=-2082/0, 3-4=-2549/0, 4-5=-2506/0, 5-6=-1835/0
BOT CHORD   14-15=0/1631, 13-14=0/2549, 12-13=0/2549, 11-12=0/2549, 10-11=0/2349, 9-10=0/1339, 8-9=0/1339
WEBS   3-13=0/295, 1-15=0/1061, 2-15=-981/0, 2-14=0/612, 3-14=-771/0, 5-10=-669/0, 6-10=0/671, 6-8=-2696/0

NOTES-   (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6 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.
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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
       Vert: 8-16=-10, 1-7=-100
   Concentrated Loads (lb)
       Vert: 6=-1760
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
       Vert: 8-16=-10, 1-7=-100
   Concentrated Loads (lb)
       Vert: 6=-1760
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
       Vert: 8-16=-10, 1-4=-100, 4-7=-20

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F109	FLOOR	1	1	# *55564*
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:40 2024 Page 2
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-V5xG15L2AvjbXycEEn72?kXFOVjROhAoxyiX4qy6ejv

LOAD CASE(S)
    Concentrated Loads (lb)
        Vert: 6=-1760
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-16=-10, 1-3=-20, 3-7=-100
    Concentrated Loads (lb)
        Vert: 6=-1760
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-16=-10, 1-4=-100, 4-7=-20
    Concentrated Loads (lb)
        Vert: 6=-1760
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 8-16=-10, 1-3=-20, 3-7=-100
    Concentrated Loads (lb)
        Vert: 6=-1760

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F110	Floor Supported Gable	1	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:40 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-V5xG15L2AvjbXycEEn72?kXM8VuMOnYoxyiX4qy6ejv

0-1-8   0-1-8

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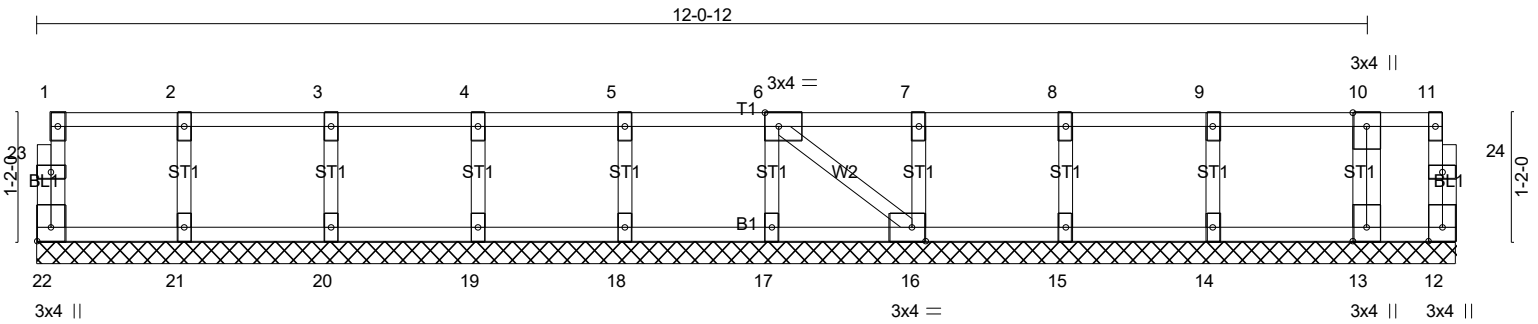

12-0-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [16:0-1-8,Edge], [22: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	0.07	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	NO	WB	0.21	Horz(CT)	0.00	12	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)
OTHERS   2x4 SP No.3(flat)

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

REACTIONS.   All bearings 12-10-8.
     (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14 except 13=1849(LC 1)

FORCES.   (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS   10-13=-1839/0

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) 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.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to
   be attached to walls at their outer ends or restrained by other means.
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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
         Vert: 12-22=-8, 1-11=-80
   Concentrated Loads (lb)
         Vert: 10=-1760
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
         Vert: 12-22=-8, 1-11=-80
   Concentrated Loads (lb)
         Vert: 10=-1760

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F111	FLOOR	1	1	**# 55564**
					Job Reference (optional)

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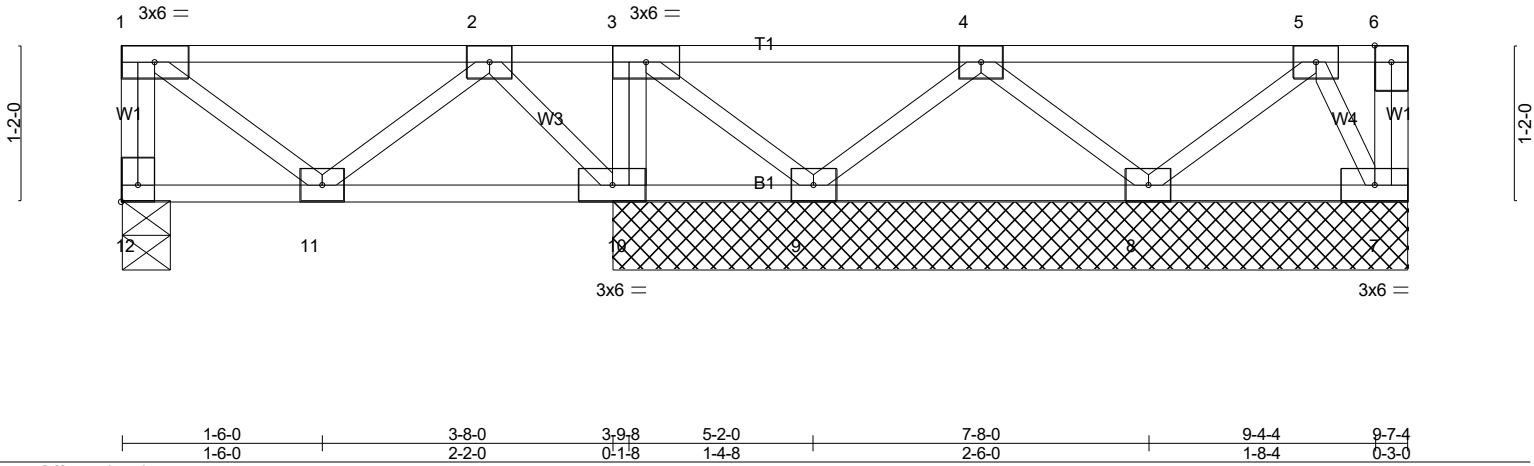ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-V5xG15L2AvjbXycEEn72?kXKiVu_Oq?oxyiX4qy6ejv

Scale = 1:17.2

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	0.22	Vert(LL)	-0.00	11	>999	480		MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	11	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	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)
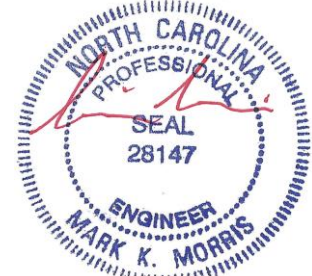WEBS 2x4 SP No.3(flat)

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, Except: 6-0-0 oc bracing: 9-10.

REACTIONS. All bearings 5-11-4 except (jt=length) 12=0-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 9, 8 except 10=513(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-347/0

NOTES- (5-6)
1) All plates are 3x4 MT20 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.
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)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
       Vert: 7-12=-8, 1-6=-80
   Concentrated Loads (lb)
       Vert: 3=-240
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
       Vert: 7-12=-8, 1-6=-80
   Concentrated Loads (lb)
       Vert: 3=-240

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F111A	Floor	1	1	# 55564
					Job Reference (optional)

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ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-V5xG15L2AvjbXycEEn72?kXKyVucOquoxyiX4qy6ejv

Plate Offsets (X,Y)-- [6:Edge,0-1-8]
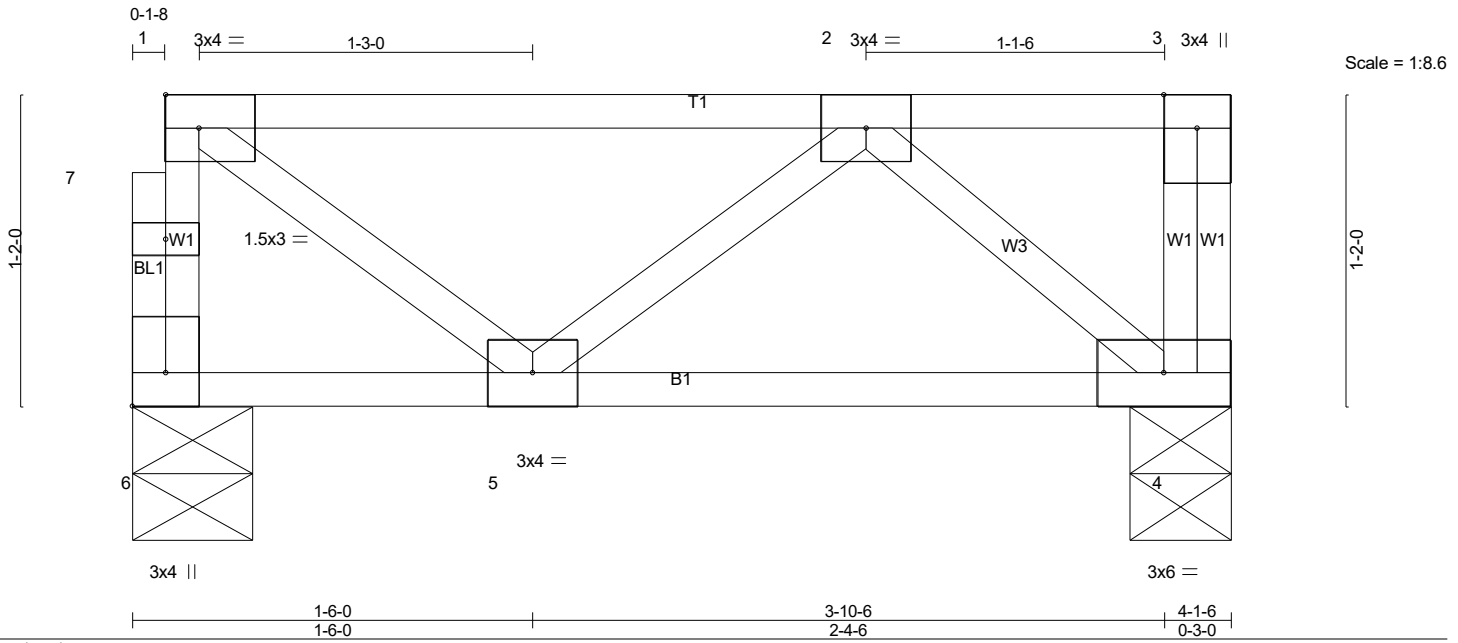
LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		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 4-1-6 oc purlins, except
end verticals.
BOT CHORD   Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size)   6=401/0-5-6 (min. 0-1-8), 4=174/0-4-8 (min. 0-1-8)

FORCES.   (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   6-7=-399/0, 1-7=-398/0

NOTES-   (4-5)
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.
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: 4-6=-8, 1-3=-80
   Concentrated Loads (lb)
      Vert: 1=-240
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 4-6=-8, 1-3=-80
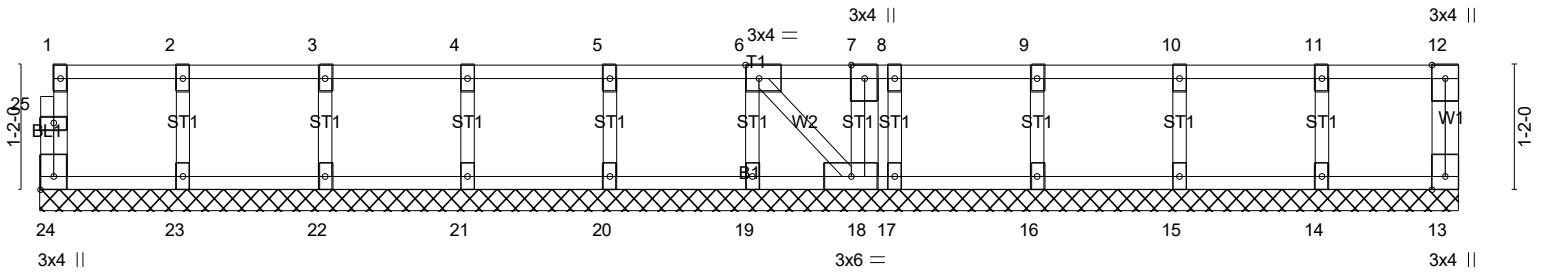   Concentrated Loads (lb)
      Vert: 1=-240

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F112	Floor Supported Gable	1	1	# 55564
					Job Reference (optional)	

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Scale = 1:21.6

0-1-8

7-8-10
7-8-10

13-3-6
5-6-12

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	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	0.07	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.
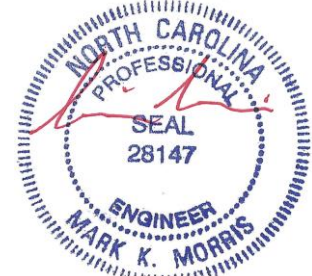
REACTIONS.   All bearings 13-3-6.
        (lb) - Max Grav All reactions 250 lb or less at joint(s) 13, 23, 22, 21, 20, 19, 17, 16, 15, 14 except 24=279(LC 1),
                18=654(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   24-25=-275/0, 1-25=-275/0
WEBS   7-18=-635/0

NOTES-   (8-9)
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) 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.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.
8) 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.
9) 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: 13-24=-8, 1-12=-80
    Concentrated Loads (lb)
        Vert: 1=-240 7=-640
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 13-24=-8, 1-12=-80
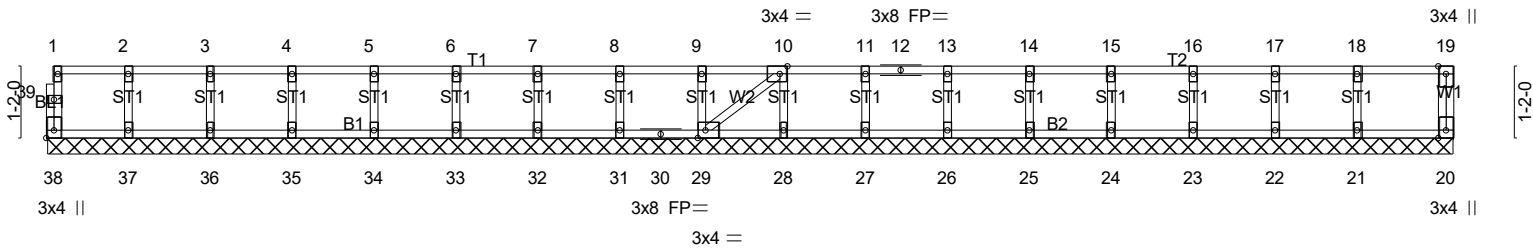   Concentrated Loads (lb)
        Vert: 1=-240 7=-640

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F114	FLOOR SUPPORTED GABL	1	1	**# 55564**
					Job Reference (optional)	

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0-1-8

Scale = 1:37.5

3x4 =   3x8 FP=   3x4 ||

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

T1   T2

ST1 ST1 ST1 ST1 ST1 ST1 ST1 ST1 W2 ST1 ST1 ST1 ST1 ST1 ST1 ST1 ST1 W1

1-2-0 B1 B2 1-2-0

38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20

3x4 || 3x8 FP=   3x4 ||

3x4 =

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-	1-7-3	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	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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F115	FLOOR	2	1	**# 55564**

Job Reference (optional)

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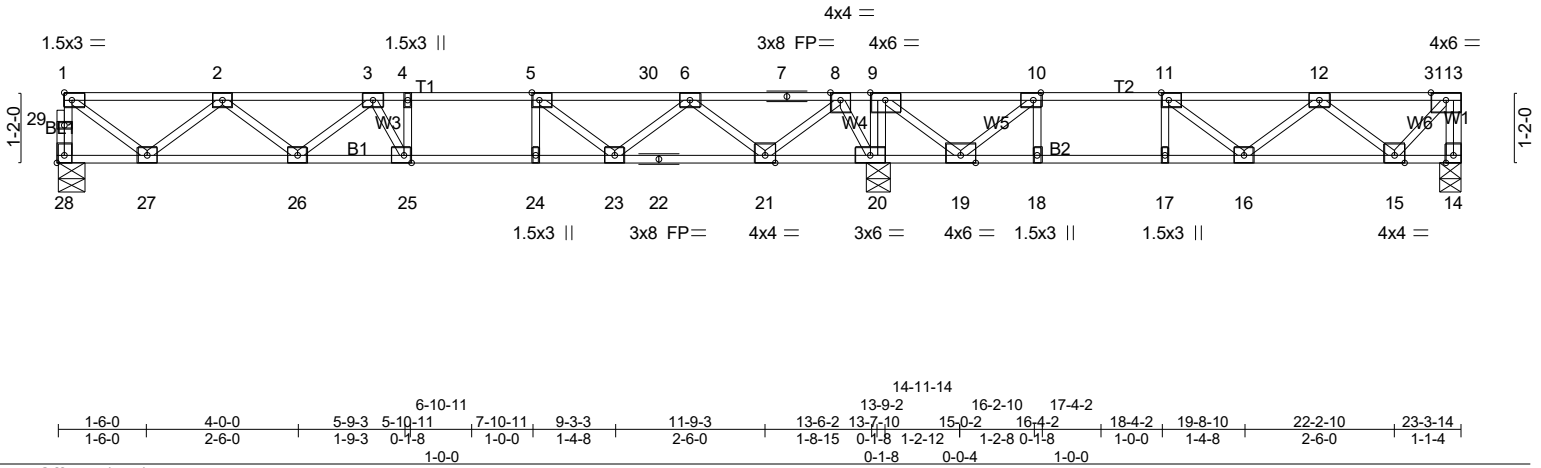ID:UMCU2t6gUxCLqMIKo_q9qxyaVB1-_HUeFRMgxDrS96BQoUeHYy4OIv4w79oxAcS4cGy6eju

Scale = 1:38.3

LOADING (psf)		SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.09	25-26	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.19	16-17	>603	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	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	

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]

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.
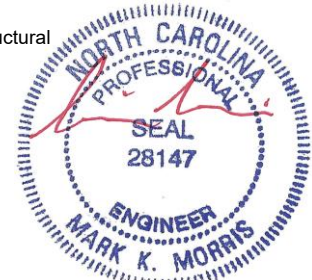
REACTIONS. (lb/size) 28=576/0-5-6 (min. 0-1-8), 14=698/0-4-8 (min. 0-1-8), 20=1793/0-4-8 (min. 0-1-8)
Max Grav 28=586(LC 10), 14=748(LC 4), 20=1793(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-582/0, 1-29=-581/0, 13-14=-735/0, 1-2=-665/0, 2-3=-1539/0, 3-4=-1878/0,
    4-5=-1878/0, 5-30=-1636/0, 6-30=-1636/0, 6-7=-686/0, 7-8=-686/0, 8-9=0/837,
    9-10=-604/135, 10-11=-1554/0, 11-12=-1547/0, 12-31=-594/0, 13-31=-594/0
BOT CHORD 26-27=0/1244, 25-26=0/1816, 24-25=0/1878, 23-24=0/1878, 22-23=0/1380, 21-22=0/1380,
    20-21=-311/23, 19-20=-837/0, 18-19=0/1554, 17-18=0/1554, 16-17=0/1554, 15-16=0/1361
WEBS 10-18=0/363, 11-17=-320/0, 9-20=-842/0, 1-27=0/804, 2-27=-754/0, 2-26=0/385,
    3-26=-360/0, 3-25=-48/344, 5-23=-374/0, 6-23=0/375, 6-21=-940/0, 8-21=0/949,
    8-20=-1096/0, 9-19=0/1106, 10-19=-1374/0, 12-15=-998/0, 13-15=0/868

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 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.
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: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
    Uniform Loads (plf)
        Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F115	FLOOR	2	1	Job Reference (optional)	**# 55564**

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:42 2024 Page 2
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-SU20SnNIiXzJmGmdMB9W49cY2JQ9sc25PGBd8jy6ejt

LOAD CASE(S) Standard

3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
9) 3rd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
10) 4th chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80
11) 5th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
12) 6th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
13) 7th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
14) 8th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
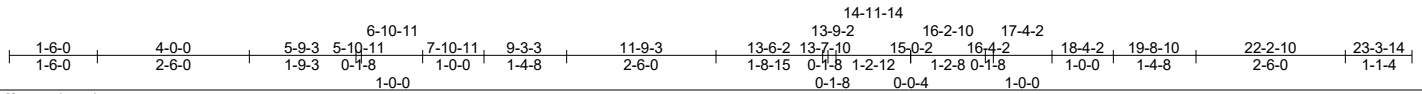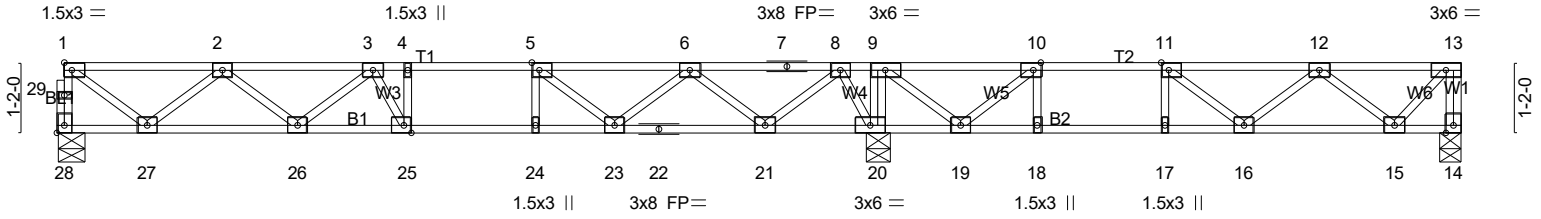   Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80

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Scale = 1:38.3

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-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.09	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.12	16-17	>965	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)
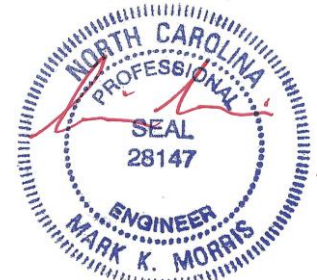WEBS   2x4 SP No.3(flat)

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=361/0-4-8 (min. 0-1-8), 20=1116/0-4-8 (min. 0-1-8)
Max Grav 28=557(LC 10), 14=409(LC 4), 20=1116(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   28-29=-553/0, 1-29=-552/0, 13-14=-403/0, 1-2=-626/0, 2-3=-1436/0, 3-4=-1692/0,
4-5=-1692/0, 5-6=-1384/0, 6-7=-541/0, 7-8=-541/0, 8-9=0/694, 9-10=-352/379,
10-11=-836/113, 11-12=-826/0, 12-13=-319/0
BOT CHORD   26-27=0/1172, 25-26=0/1669, 24-25=0/1692, 23-24=0/1692, 22-23=0/1083, 21-22=0/1083,
20-21=-322/5, 19-20=-694/0, 18-19=-113/836, 17-18=-113/836, 16-17=-113/836,
15-16=0/720
WEBS   9-20=-452/0, 1-27=0/757, 2-27=-711/0, 2-26=0/344, 3-26=-303/0, 3-25=-134/262,
5-23=-460/0, 6-23=0/435, 6-21=-742/0, 8-21=0/766, 8-20=-794/0, 9-19=0/619,
10-19=-767/0, 12-15=-522/0, 13-15=0/466

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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F115B	FLOOR	2	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:42 2024 Page 1
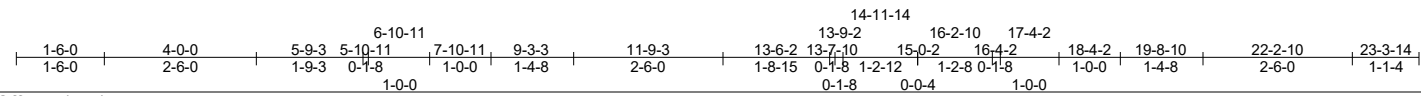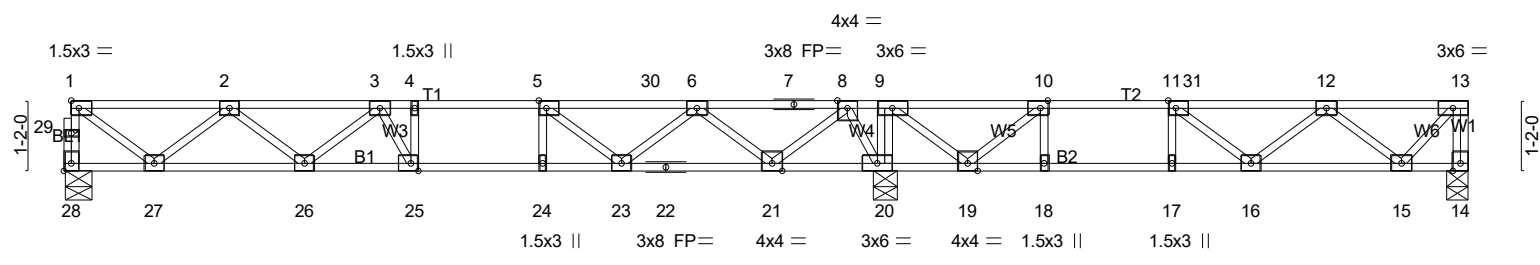ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-SU20SnNIiXzJmGmdMB9W49cZKJPDsdn5PGBd8jy6ejt

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	0.60	Vert(LL)	-0.09	16-17	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.14	16-17	>793	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	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 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-21,19-20.
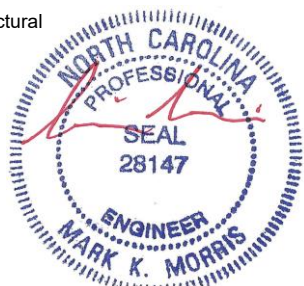
REACTIONS. (lb/size) 28=564/0-5-6 (min. 0-1-8), 14=431/0-4-8 (min. 0-1-8), 20=1749/0-4-8 (min. 0-1-8)
Max Grav 28=574(LC 10), 14=479(LC 4), 20=1749(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 28-29=-571/0, 1-29=-570/0, 13-14=-472/0, 1-2=-649/0, 2-3=-1498/0, 3-4=-1803/0, 4-5=-1803/0, 5-30=-1535/0, 6-30=-1535/0, 6-7=-547/0, 7-8=-547/0, 8-9=0/1014, 9-10=-340/390, 10-11=-1139/0, 11-31=-1062/0, 12-31=-1062/0, 12-13=-385/0
BOT CHORD 26-27=0/1215, 25-26=0/1757, 24-25=0/1803, 23-24=0/1803, 22-23=0/1262, 21-22=0/1262, 20-21=-484/0, 19-20=-1014/0, 18-19=0/1139, 17-18=0/1139, 16-17=0/1139, 15-16=0/872
WEBS 10-18=0/256, 9-20=-806/0, 1-27=0/785, 2-27=-737/0, 2-26=0/368, 3-26=-337/0, 3-25=-85/311, 5-23=-409/0, 6-23=0/399, 6-21=-967/0, 8-21=0/984, 8-20=-1105/0, 9-19=0/1007, 10-19=-1173/0, 12-15=-635/0, 13-15=0/561

NOTES- (6-7)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 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.
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: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-28=-8, 1-30=-80, 30-31=-160, 13-31=-80
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F115B	FLOOR	2	1		# 55564
					Job Reference (optional)	

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:42 2024 Page 2
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-SU20SnNIiXzJmGmdMB9W49cZKJPDsdn5PGBd8jy6ejt

LOAD CASE(S) Standard
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-31=-96, 13-31=-16
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
7) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
8) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
9) 3rd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
10) 4th chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80
11) 5th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-5=-80, 5-30=-16, 9-30=-96, 9-31=-160, 13-31=-80
12) 6th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-4=-16, 4-30=-80, 30-31=-160, 13-31=-80
13) 7th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 11-30=-160, 11-31=-96, 13-31=-16
14) 8th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
    Vert: 14-28=-8, 1-30=-80, 9-30=-160, 9-10=-96, 10-31=-160, 13-31=-80

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F115C	FLOOR	1	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:43 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-wgcOg7OwTq5AOQLpwvgldM9nijngb6qEdwxBh9y6ejs
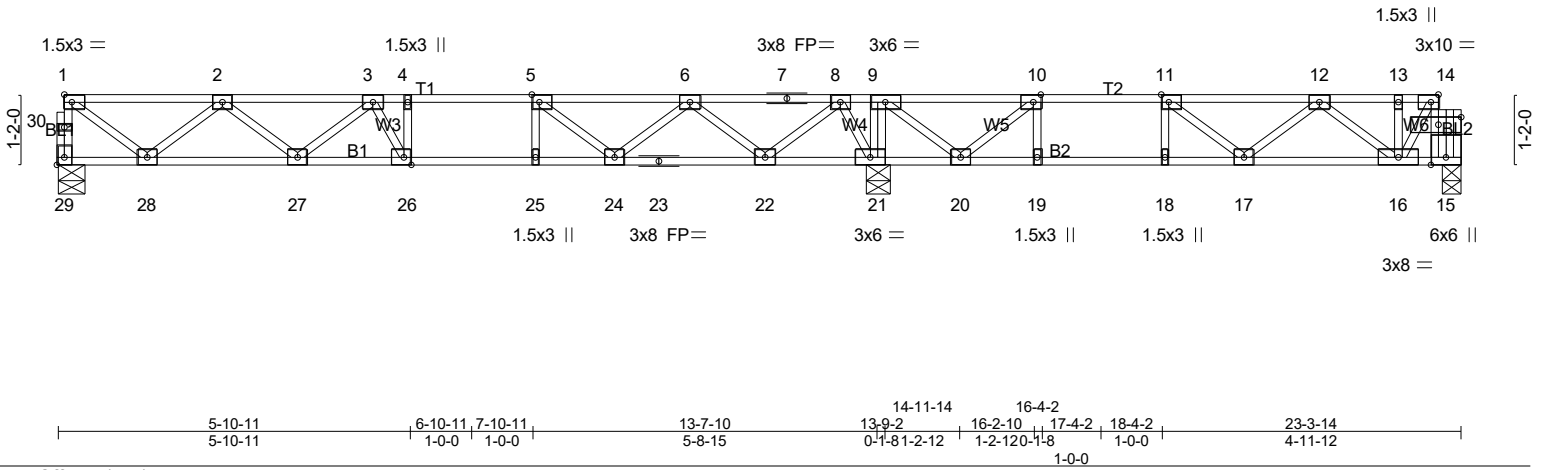
Scale = 1:38.3

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,Edge], [14:0-4-8,0-1-8], [26:0-1-8,Edge], [29: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	0.43	Vert(LL)	-0.09	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.12	26-27	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	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)
BOT CHORD 2x4 SP No.1(flat)
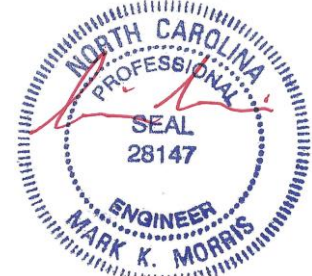WEBS   2x4 SP No.3(flat)

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) 29=547/0-5-6 (min. 0-1-8), 15=355/0-3-8 (min. 0-1-8), 21=1111/0-4-8 (min. 0-1-8)
Max Grav 29=558(LC 10), 15=403(LC 4), 21=1111(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   29-30=-553/0, 1-30=-552/0, 14-15=-398/0, 1-2=-626/0, 2-3=-1438/0, 3-4=-1693/0,
4-5=-1693/0, 5-6=-1386/0, 6-7=-544/0, 7-8=-544/0, 8-9=0/692, 9-10=-346/378,
10-11=-819/114, 11-12=-792/0, 12-13=-276/0, 13-14=-279/0
BOT CHORD   27-28=0/1173, 26-27=0/1671, 25-26=0/1693, 24-25=0/1693, 23-24=0/1086, 22-23=0/1086,
21-22=-321/7, 20-21=-692/0, 19-20=-114/819, 18-19=-114/819, 17-18=-114/819,
16-17=0/674
WEBS   9-21=-449/0, 1-28=0/757, 2-28=-712/0, 2-27=0/344, 3-27=-304/0, 3-26=-133/263,
5-24=-460/0, 6-24=0/435, 6-22=-742/0, 8-22=0/766, 8-21=-792/0, 9-20=0/610,
10-20=-753/0, 12-16=-508/0, 14-16=0/439

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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE	231 ALDEN WAY ANGIER, NC
24-B592-F01	F115D	FLOOR	4	1	# 55564

Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:43 2024 Page 1
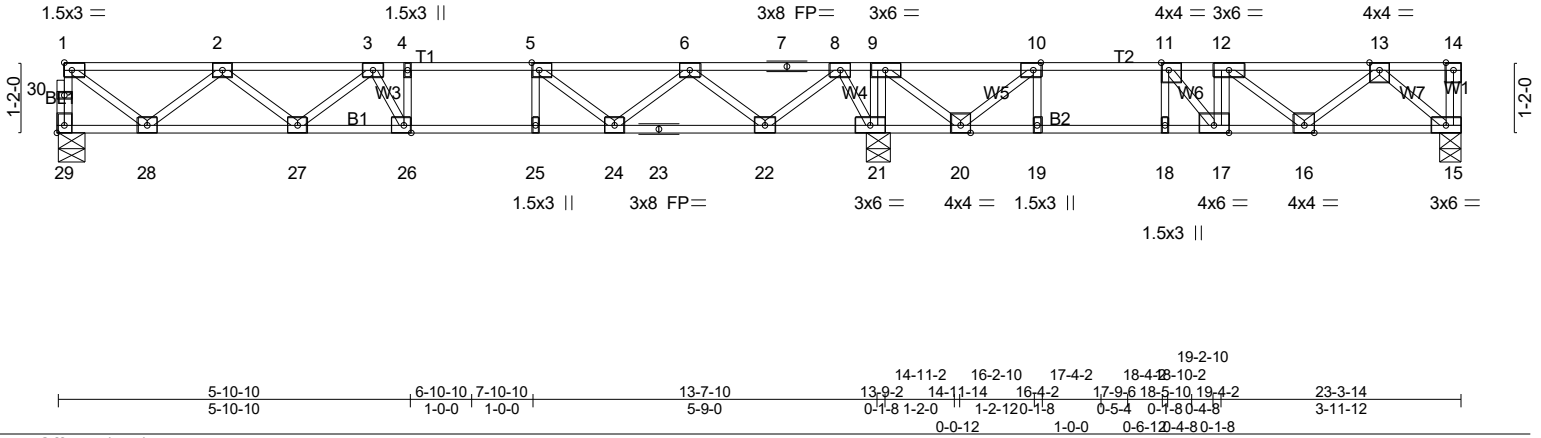ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-wgcOg7OwTq5AOQLpwvgldM9fnjimb4YEdwxBh9y6ejs

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [26:0-1-8,Edge], [29: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)	-0.09	26-27	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.23	17-18	>493	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	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)
BOT CHORD   2x4 SP No.1(flat) *Except*
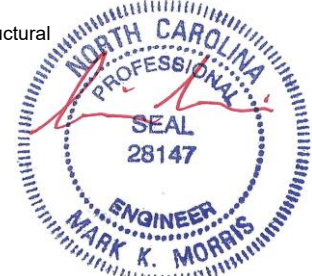B2: 2x4 SP SS(flat)
WEBS   2x4 SP No.3(flat)

BRACING-
TOP CHORD   Structural wood sheathing directly applied or 2-2-0 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
2-2-0 oc bracing: 18-19.

REACTIONS.   (lb/size) 29=571/0-5-6 (min. 0-1-8), 21=1315/0-4-8 (min. 0-1-8), 15=778/0-4-8 (min. 0-1-8)
Max Grav 29=581(LC 10), 21=1315(LC 1), 15=829(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD   29-30=-578/0, 1-30=-577/0, 1-2=-658/0, 2-3=-1522/0, 3-4=-1848/0, 4-5=-1848/0,
5-6=-1592/0, 6-7=-807/0, 7-8=-807/0, 8-9=-252/336, 9-10=-988/0, 10-11=-1934/0,
11-12=-2510/0, 12-13=-1680/0
BOT CHORD   27-28=0/1232, 26-27=0/1792, 25-26=0/1848, 24-25=0/1848, 23-24=0/1323, 22-23=0/1323,
21-22=0/341, 20-21=-336/252, 19-20=0/1934, 18-19=0/1934, 17-18=0/1934, 16-17=0/2510,
15-16=0/935
WEBS   12-17=-462/0, 10-19=0/460, 11-18=-506/0, 9-21=-592/0, 1-28=0/796, 2-28=-747/0,
2-27=0/378, 3-27=-352/0, 3-26=-57/333, 5-24=-379/0, 6-24=0/383, 6-22=-701/0,
8-22=0/710, 8-21=-821/0, 9-20=0/1011, 10-20=-1369/0, 11-17=0/1073, 12-16=-1041/0,
13-16=0/969, 13-15=-1226/0

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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F116	Floor	12	1	# 55564

Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:44 2024 Page 1
ID:UMCU2t6gUxCLqMlKo_q9qxyaVB1-OsAntTPYE8D10Zw?TcC_9ai_k796KYlOsagkDby6ejr

0-1-8

1-3-0

0-6-2 2-0-0 0-6-2

0-1-8
Scale = 1:22.7

1.5x3 ═   1.5x3 ‖   1.5x3 ‖   1.5x3 ═
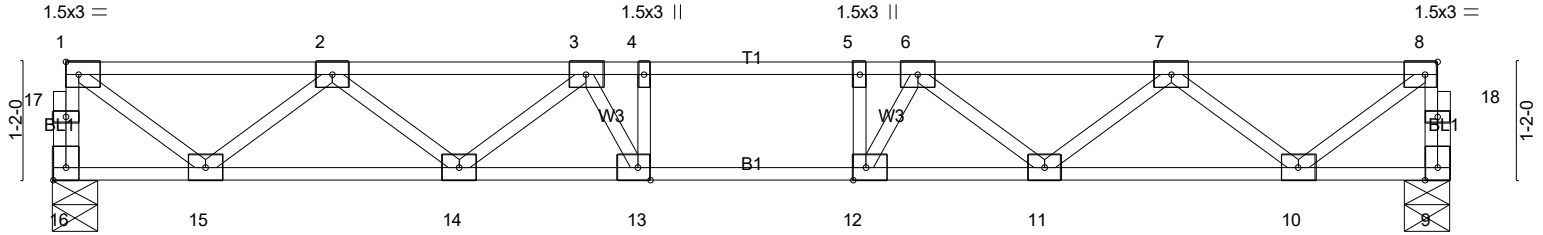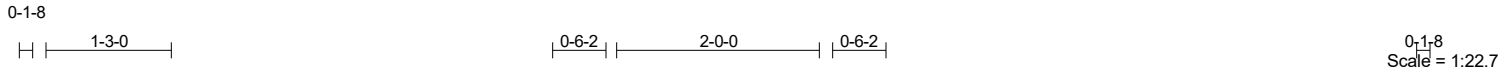
5-10-10
5-10-10

6-10-10
1-0-0

7-10-10
1-0-0

13-9-4
5-10-10

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,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	0.29	Vert(LL)	-0.08	12-13	>999	480		MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.11	12-13	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	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   16-17=-586/0, 1-17=-585/0, 9-18=-586/0, 8-18=-585/0, 1-2=-669/0, 2-3=-1553/0, 3-4=-1897/0, 4-5=-1897/0,
             5-6=-1897/0, 6-7=-1553/0, 7-8=-669/0
BOT CHORD   14-15=0/1253, 13-14=0/1831, 12-13=0/1897, 11-12=0/1831, 10-11=0/1253
WEBS   4-13=-268/39, 5-12=-269/39, 1-15=0/810, 2-15=-760/0, 2-14=0/390, 3-14=-363/0, 3-13=-84/379, 8-10=0/810,
             7-10=-760/0, 7-11=0/390, 6-11=-363/0, 6-12=-84/380

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

12/21/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0017 CAMPBELL RIDGE | 231 ALDEN WAY ANGIER, NC
24-B592-F01	F117	GABLE	1	1	# 55564
					Job Reference (optional)

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sat Dec 21 20:29:44 2024 Page 1
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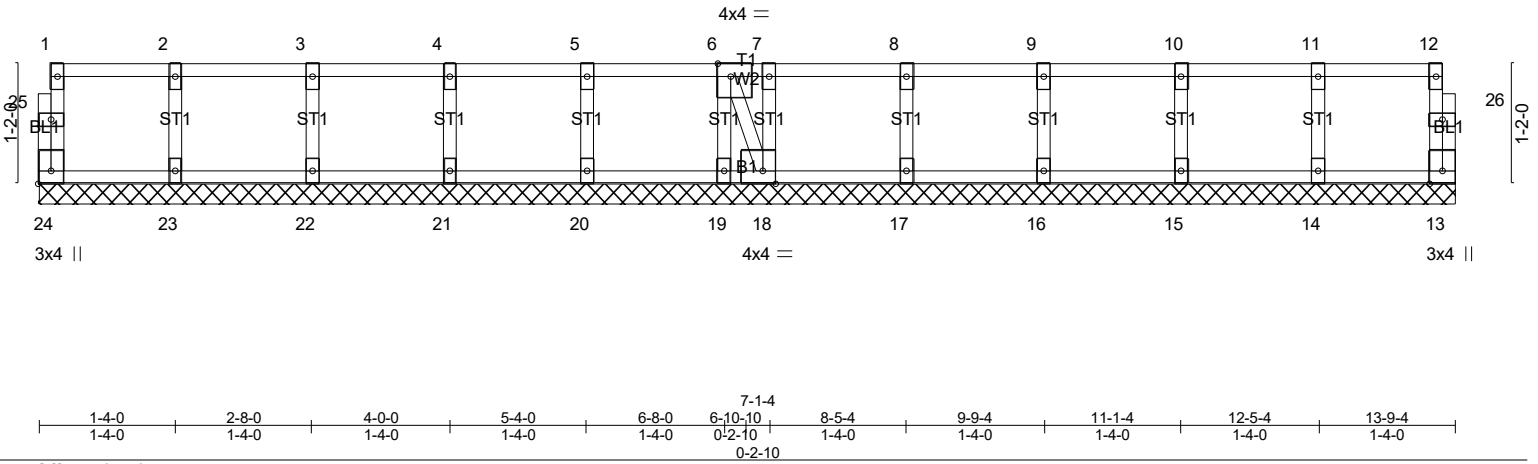
0-1-8

0-1-8

Scale = 1:22.4

4x4 =

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

T1
W2

1-2-0
BL1   ST1   ST1   ST1   ST1   ST1 ST1   ST1   ST1   ST1   ST1   BL1   26
                                                    B1   1-2-0

| 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 |

3x4 || 4x4 =   3x4 ||

7-1-4

| 1-4-0 | 2-8-0 | 4-0-0 | 5-4-0 | 6-8-0 | 6-10-10 | 8-5-4 | 9-9-4 | 11-1-4 | 12-5-4 | 13-9-4 |
| 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 0-2-10 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 |

0-2-10

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [18:0-1-8,Edge], [24: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	0.05	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) 24, 13, 14, 15, 16, 17, 18, 23, 22, 21, 20, 19

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

12/21/2024