# 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 #: 56403
JOB: 25-0726-F01
JOB NAME: LOT 0.0008 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.
*26 Truss Design(s)*

Trusses:
F101, F102, F102A, F103, F104, F105, F105A, F106, F106A, F107, F108, F109, F110, F111, F112, F113, F114, F114A, F115, F115A, F116, F117, F118, F119, F120, F121


**2/3/2025**
**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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F101 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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0-1-8

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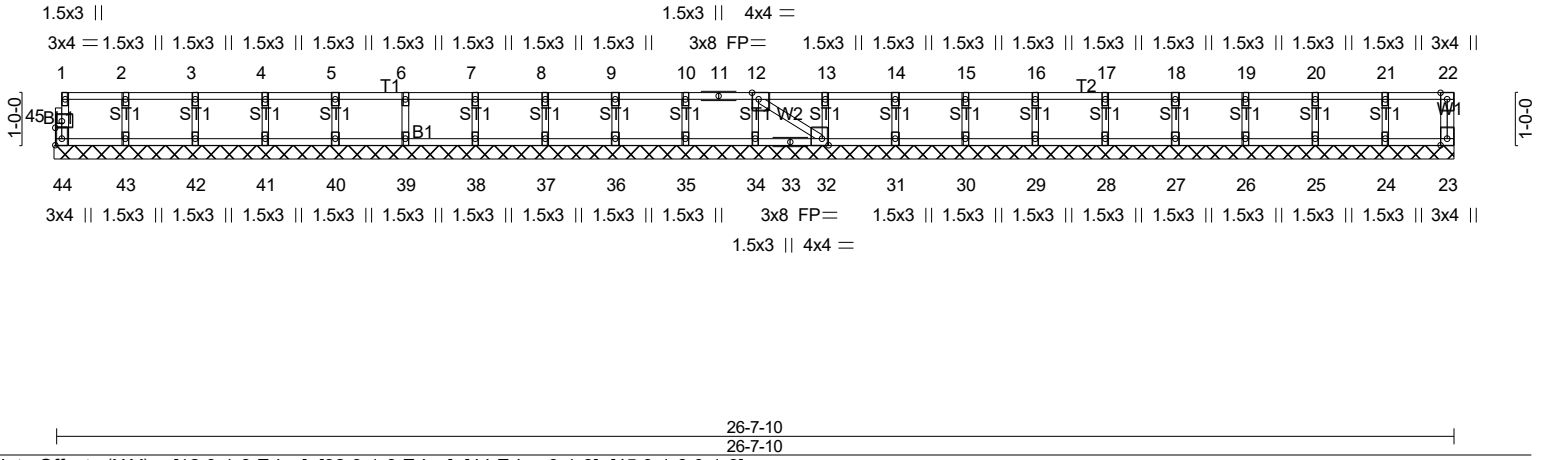



26-7-10
26-7-10

Plate Offsets (X,Y)-- [12:0-1-8,Edge], [32:0-1-8,Edge], [44:Edge,0-1-8], [45:0-1-8,0-1-8]

| **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 | 23 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 107 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)

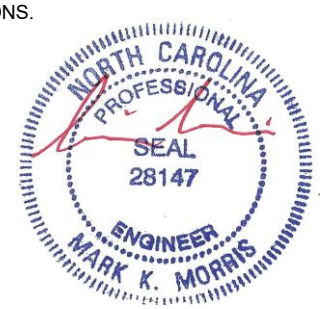
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 26-7-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 44, 23, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 25, 24

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard




2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F102 | Floor | 14 | 1 | Job Reference (optional) **# 56403** |

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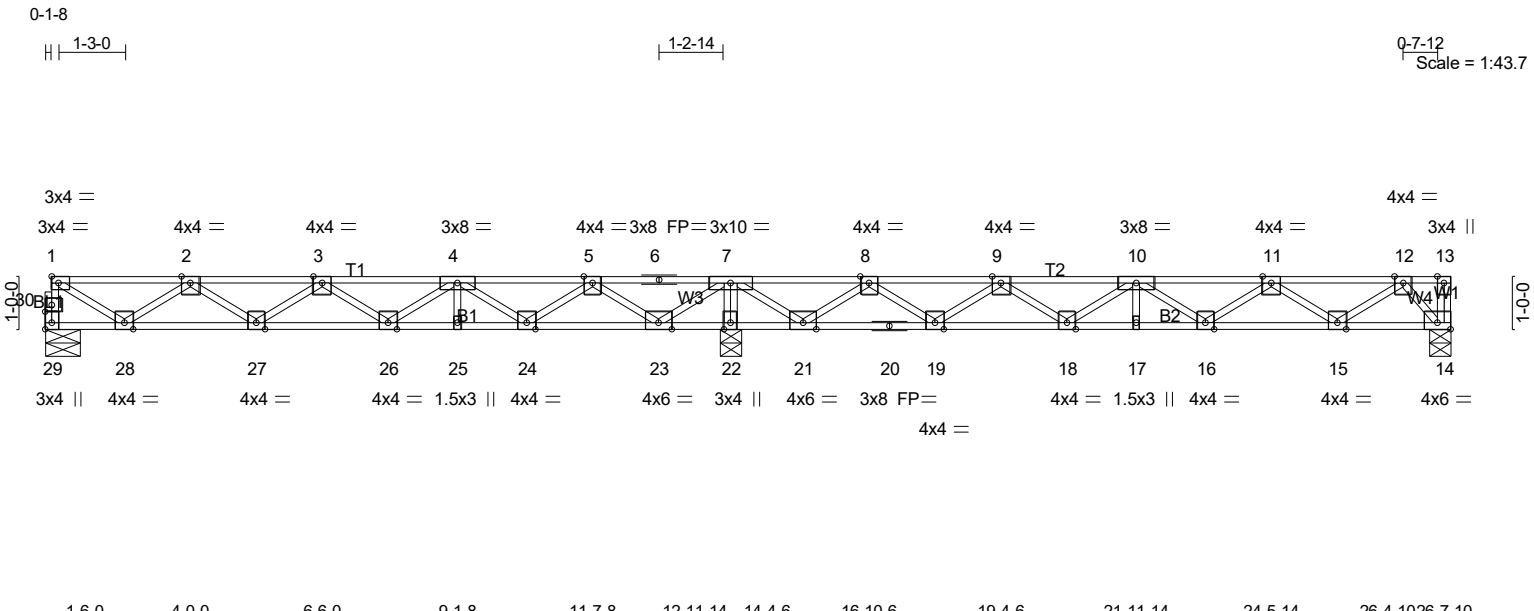


| 1-6-0 | 4-0-0 | 6-6-0 | 9-1-8 | 11-7-8 | 12-11-14 | 14-4-6 | 16-10-6 | 19-4-6 | 21-11-14 | 24-5-14 | 26-4-10 | 26-7-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6-0 | 2-6-0 | 2-6-0 | 2-7-8 | 2-6-0 | 1-4-6 | 1-4-8 | 2-6-0 | 2-6-0 | 2-7-8 | 2-6-0 | 1-10-12 | 0-3-0 |

Plate Offsets (X,Y)-- [14:Edge,0-1-8], [29:Edge,0-1-8], [30:0-1-8,0-1-8]

| **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 | 0.41 | Vert(LL) | -0.08 | 17 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.32 | Vert(CT) | -0.11 | 17 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.53 | Horz(CT) | 0.01 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 132 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=417/0-7-14 (min. 0-1-8), 22=1440/0-4-8 (min. 0-1-8), 14=458/0-4-8 (min. 0-1-8)
Max Grav 29=473(LC 3), 22=1440(LC 1), 14=504(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 29-30=-469/0, 1-30=-468/0, 1-2=-611/0, 2-3=-1339/0, 3-4=-1407/126, 4-5=-824/501, 5-6=0/1114, 6-7=0/1114, 7-8=0/1074, 8-9=-858/404, 9-10=-1516/56, 10-11=-1545/0, 11-12=-929/0
BOT CHORD 27-28=0/1138, 26-27=-8/1512, 25-26=-277/1270, 24-25=-277/1270, 23-24=-743/369, 22-23=-2020/0, 21-22=-2019/0, 20-21=-641/357, 19-20=-641/357, 18-19=-199/1329, 17-18=0/1687, 16-17=0/1687, 15-16=0/1385, 14-15=0/445
WEBS 7-22=-1404/0, 1-28=0/694, 2-28=-643/0, 4-26=0/264, 4-24=-641/0, 5-24=0/658, 5-23=-1008/0, 7-23=0/1075, 7-21=0/1120, 8-21=-1045/0, 8-19=0/697, 9-19=-659/0, 9-18=0/307, 10-18=-286/0, 11-15=-556/0, 12-15=0/590, 12-14=-674/0

**NOTES-** (4-7)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F102A | FLOOR | 2 | 1 | Job Reference (optional) **# 56403** |

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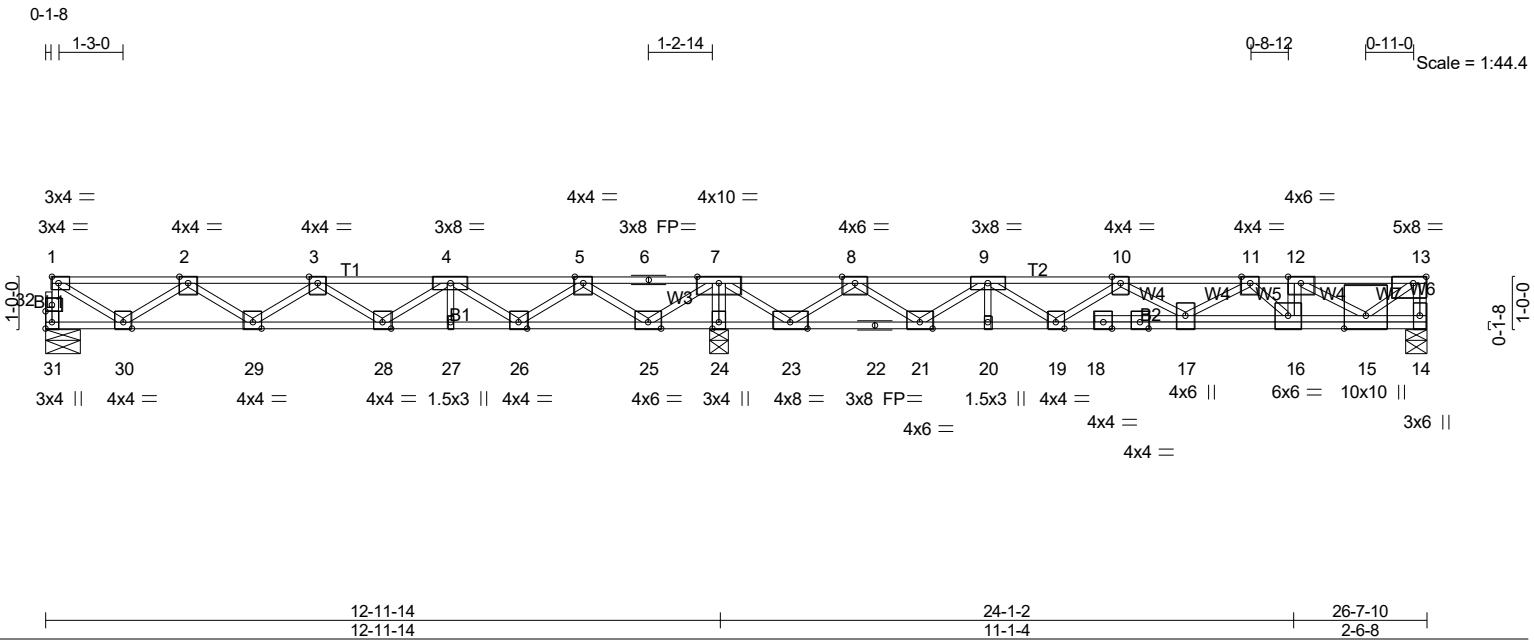



Plate Offsets (X,Y)-- [13:0-3-0,Edge], [31:Edge,0-1-8], [32:0-1-8,0-1-8]

| 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 | 0.62 | Vert(LL) | -0.08 | 19 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.81 | Vert(CT) | -0.21 | 17-19 | >783 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.81 | Horz(CT) | 0.02 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 143 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) *Except*
W7: 2x4 SP No.2(flat)

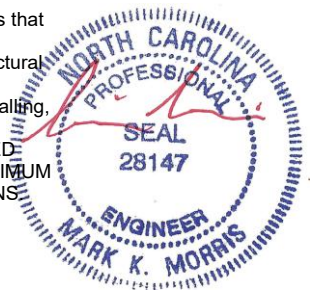
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 31=359/0-7-14 (min. 0-1-8), 24=1811/0-4-8 (min. 0-1-8), 14=1585/0-4-8 (min. 0-1-8)
Max Grav 31=413(LC 3), 24=1811(LC 1), 14=1632(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 31-32=-409/3, 1-32=-408/3, 13-14=-1619/0, 1-2=-517/28, 2-3=-1074/196, 3-4=-971/543, 4-5=-209/1089, 5-6=0/1873, 6-7=0/1873, 7-8=0/1434, 8-9=-1388/0, 9-10=-2976/0, 10-11=-4108/0, 11-12=-4461/0, 12-13=-1963/0
BOT CHORD 29-30=-80/959, 28-29=-343/1162, 27-28=-779/744, 26-27=-779/744, 25-26=-1413/0, 24-25=-2861/0, 23-24=-2861/0, 22-23=-584/447, 21-22=-584/447, 20-21=0/2349, 19-20=0/2349, 18-19=0/3677, 17-18=0/3678, 16-17=0/4394, 15-16=0/4461
WEBS 12-16=-333/0, 7-24=-1766/0, 1-30=-34/587, 2-30=-539/62, 3-28=-324/0, 4-28=0/368, 4-26=-744/0, 5-26=0/759, 5-25=-1108/0, 7-25=0/1174, 7-23=0/1691, 8-23=-1586/0, 8-21=0/1234, 9-21=-1243/0, 9-19=0/838, 10-19=-924/0, 10-17=0/720, 11-17=-586/0, 11-16=0/412, 12-15=-2901/0, 13-15=0/2490

**NOTES-** (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) 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.
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard

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Continued on page 2

**LOAD CASE(S)** Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-13=-80
   Concentrated Loads (lb)
      Vert: 12=-1440
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-13=-80
   Concentrated Loads (lb)
      Vert: 12=-1440
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-7=-80, 7-13=-16
   Concentrated Loads (lb)
      Vert: 12=-1440
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-7=-16, 7-13=-80
   Concentrated Loads (lb)
      Vert: 12=-1440
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-7=-80, 7-13=-16
   Concentrated Loads (lb)
      Vert: 12=-1440
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 14-31=-8, 1-7=-16, 7-13=-80
   Concentrated Loads (lb)
      Vert: 12=-1440


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F103 | Floor | 8 | 1 | Job Reference (optional) **# 56403** |

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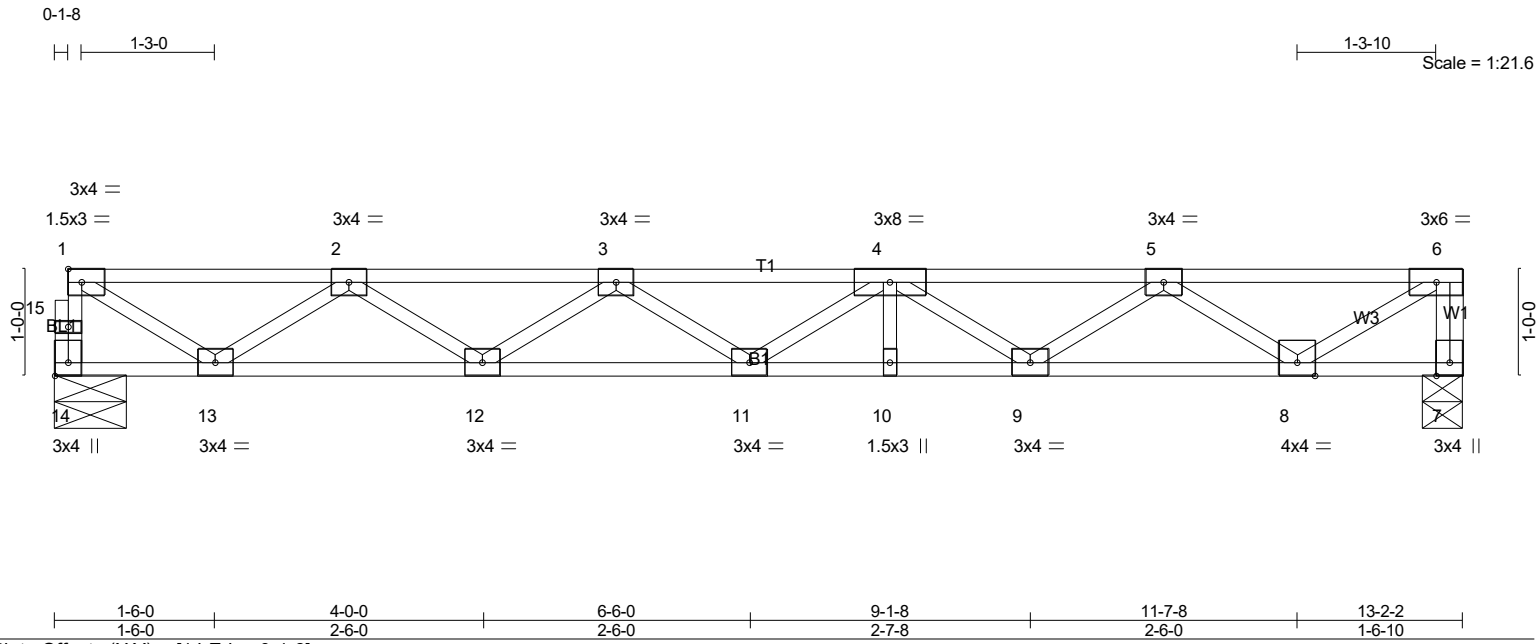


Plate Offsets (X,Y)-- [14:Edge,0-1-8]

| **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 | 0.23 | Vert(LL) | -0.10 | 11 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.40 | Vert(CT) | -0.13 | 11 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.03 | 7 | 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) 14=563/0-7-14 (min. 0-1-8), 7=568/0-4-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-559/0, 1-15=-558/0, 6-7=-563/0, 1-2=-752/0, 2-3=-1737/0, 3-4=-2059/0, 4-5=-1749/0, 5-6=-775/0
BOT CHORD 12-13=0/1407, 11-12=0/2038, 10-11=0/2054, 9-10=0/2054, 8-9=0/1432
WEBS 1-13=0/856, 2-13=-800/0, 2-12=0/403, 3-12=-368/0, 4-9=-367/0, 5-9=0/388, 5-8=-801/0, 6-8=0/910

**NOTES-** (3-6)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F104 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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0-1-8

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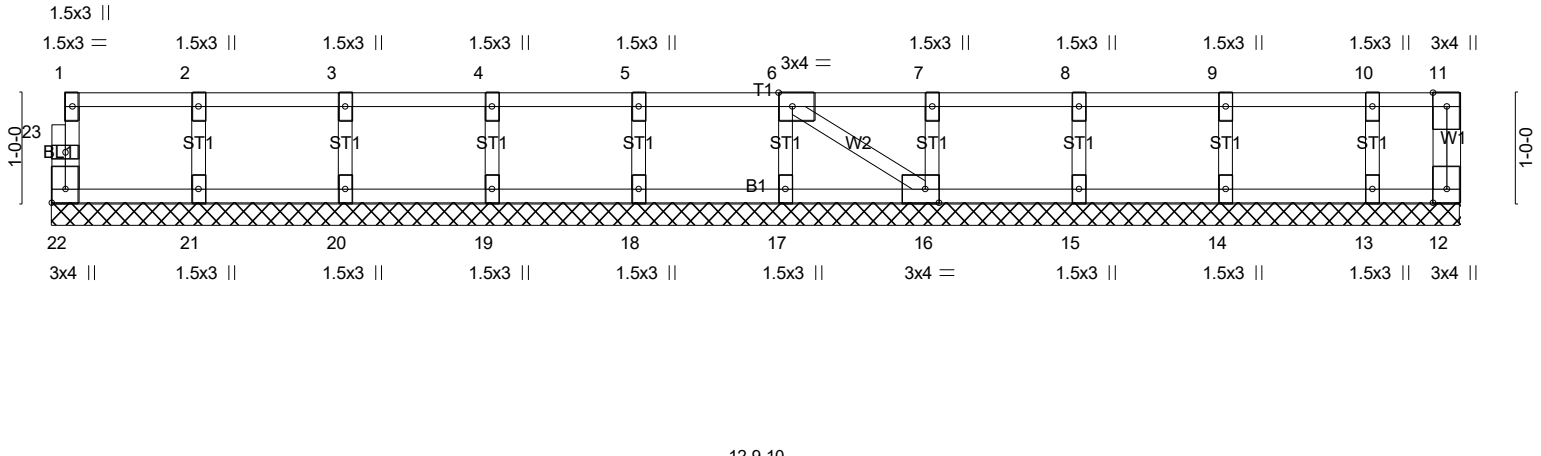


12-9-10
12-9-10

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 | 0.05 | 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 | 0.02 | Horz(CT) | 0.00 | 12 | 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 12-9-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F105 | FLOOR | 2 | 1 | Job Reference (optional) **# 56403** |

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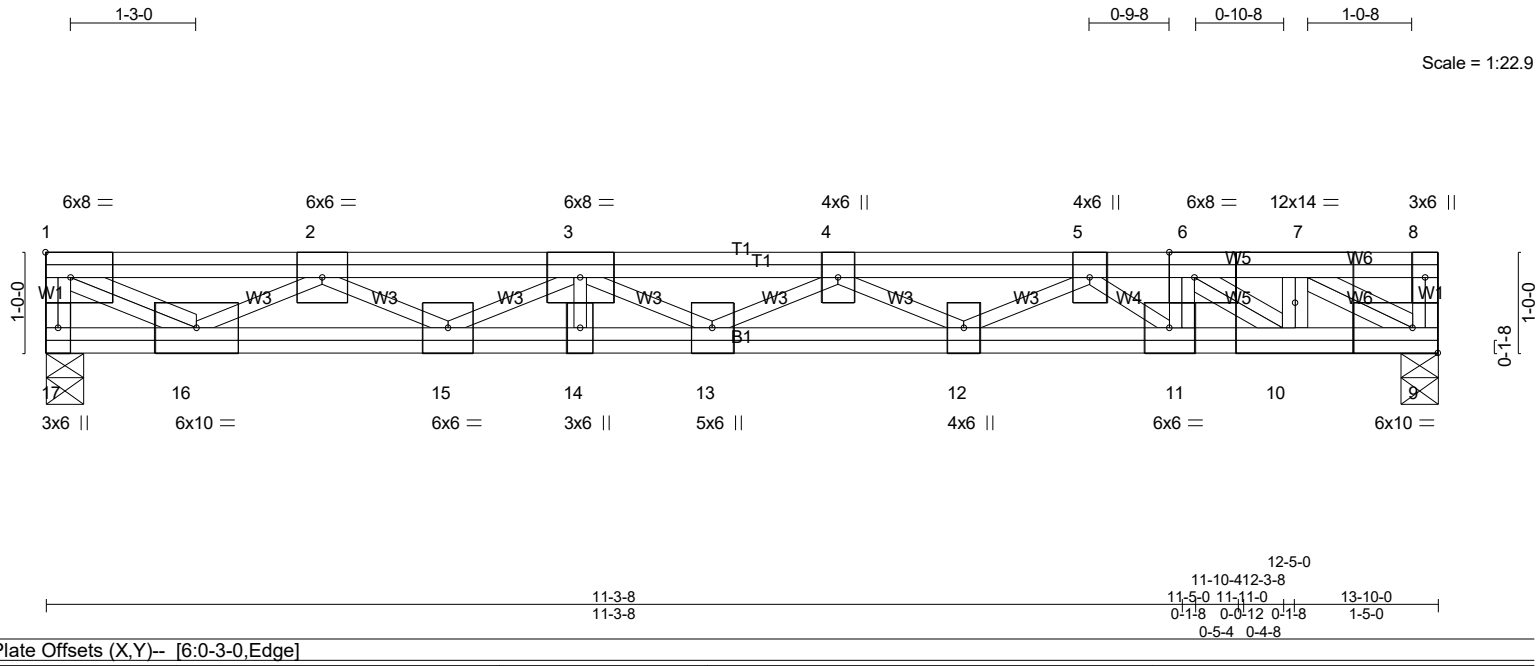



Plate Offsets (X,Y)-- [6:0-3-0,Edge]

| 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 | 0.39 | Vert(LL) | -0.08 | 13 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.95 | Vert(CT) | -0.30 | 12-13 | >551 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.65 | Horz(CT) | 0.05 | 9 | 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)

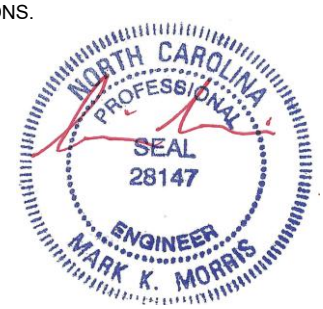
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 17=1053/0-4-8 (min. 0-1-8), 9=2842/0-4-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1046/0, 1-2=-1640/0, 2-3=-4431/0, 3-4=-6465/0, 4-5=-7687/0, 5-6=-8086/0, 6-7=-5103/0
BOT CHORD 15-16=0/3282, 14-15=0/5619, 13-14=0/5619, 12-13=0/7247, 11-12=0/8065, 10-11=0/8098, 9-10=0/4170
WEBS 1-16=0/1896, 2-16=-1885/0, 2-15=0/1340, 3-15=-1367/0, 3-13=0/974, 4-13=-912/0, 4-12=0/513, 5-12=-441/0, 7-10=0/2750, 7-9=-4982/0, 6-10=-3948/0

**NOTES-** (4-7)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 6=-2700
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-8, 1-8=-80
Concentrated Loads (lb)
Vert: 6=-2700




2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F105A | FLOOR | 1 | 2 | # 56403 Job Reference (optional) |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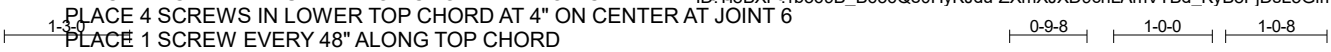
PLACE 4 SCREWS IN UPPER TOP CHORD AT 4" ON CENTER AT JOINT 6
PLACE 4 SCREWS IN LOWER TOP CHORD AT 4" ON CENTER AT JOINT 6
PLACE 1 SCREW EVERY 48" ALONG TOP CHORD
PLACE 1 SCREW EVERY 48" ALONG BOTTOM CHORD

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PLACE 4 SCREWS IN UPPER TOP CHORD AT 4" ON CENTER AT JOINT 6
PLACE 4 SCREWS IN LOWER TOP CHORD AT 4" ON CENTER AT JOINT 6
PLACE 1 SCREW EVERY 48" ALONG TOP CHORD
PLACE 1 SCREW EVERY 48" ALONG BOTTOM CHORD

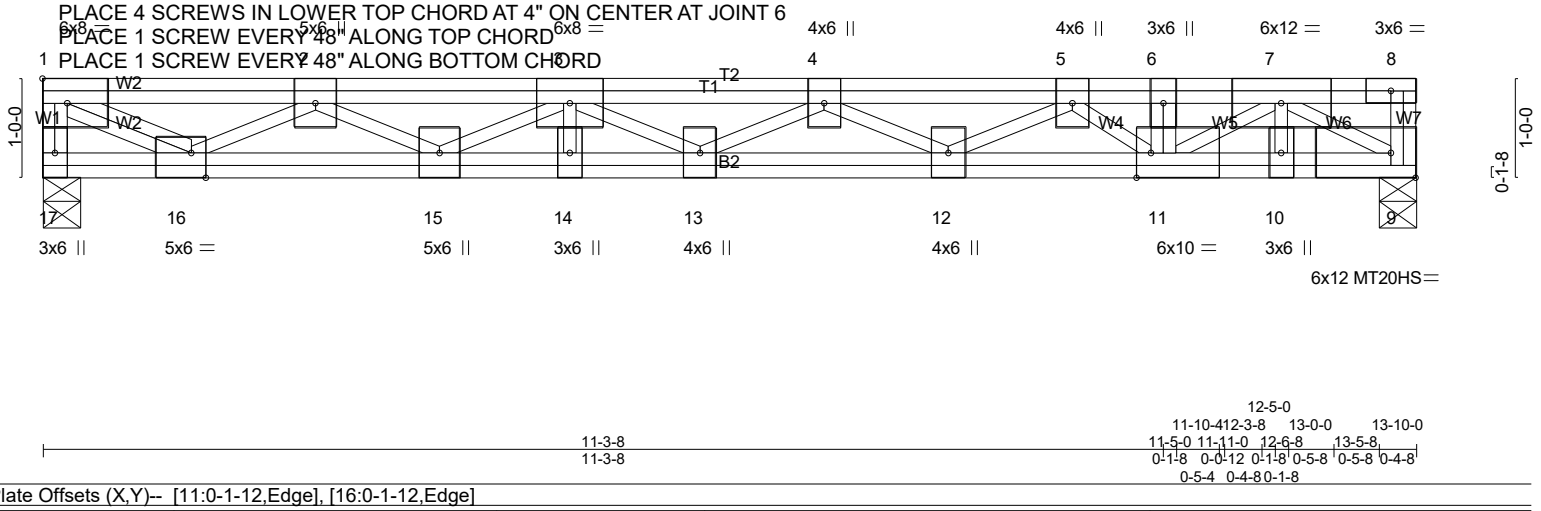


Plate Offsets (X,Y)-- [11:0-1-12,Edge], [16:0-1-12,Edge]

| LOADING (psf) | | SPACING- | 1-4-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.19 | Vert(LL) | -0.03 | 13 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.39 | Vert(CT) | -0.16 | 12-13 | >998 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.76 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 222 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*
W5,W6: 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) 17=1121/0-4-8 (min. 0-1-8), 9=3375/0-4-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1116/0, 1-2=-1783/0, 2-3=-4923/0, 3-4=-7440/0, 4-5=-9293/0, 5-6=-9981/0, 6-7=-9934/0
BOT CHORD 15-16=0/3572, 14-15=0/6331, 13-14=0/6331, 12-13=0/8497, 11-12=0/9954, 10-11=0/5394, 9-10=0/5394
WEBS 1-16=0/2062, 2-16=-2053/0, 2-15=0/1575, 3-15=-1623/0, 3-13=0/1277, 4-13=-1233/0, 4-12=0/928, 5-12=-771/0, 7-11=0/5385, 6-11=-3089/0, 7-9=-6319/0

**NOTES-** (6-9)
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) All plates are MT20 plates unless otherwise indicated.
3) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-7, 1-8=-67
Concentrated Loads (lb)
Vert: 6=-3500


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Continued on page 2

**LOAD CASE(S)** Standard
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-7, 1-8=-67
Concentrated Loads (lb)
Vert: 6=-3500


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F106 | Floor | 3 | 1 | Job Reference (optional) **# 56403** |

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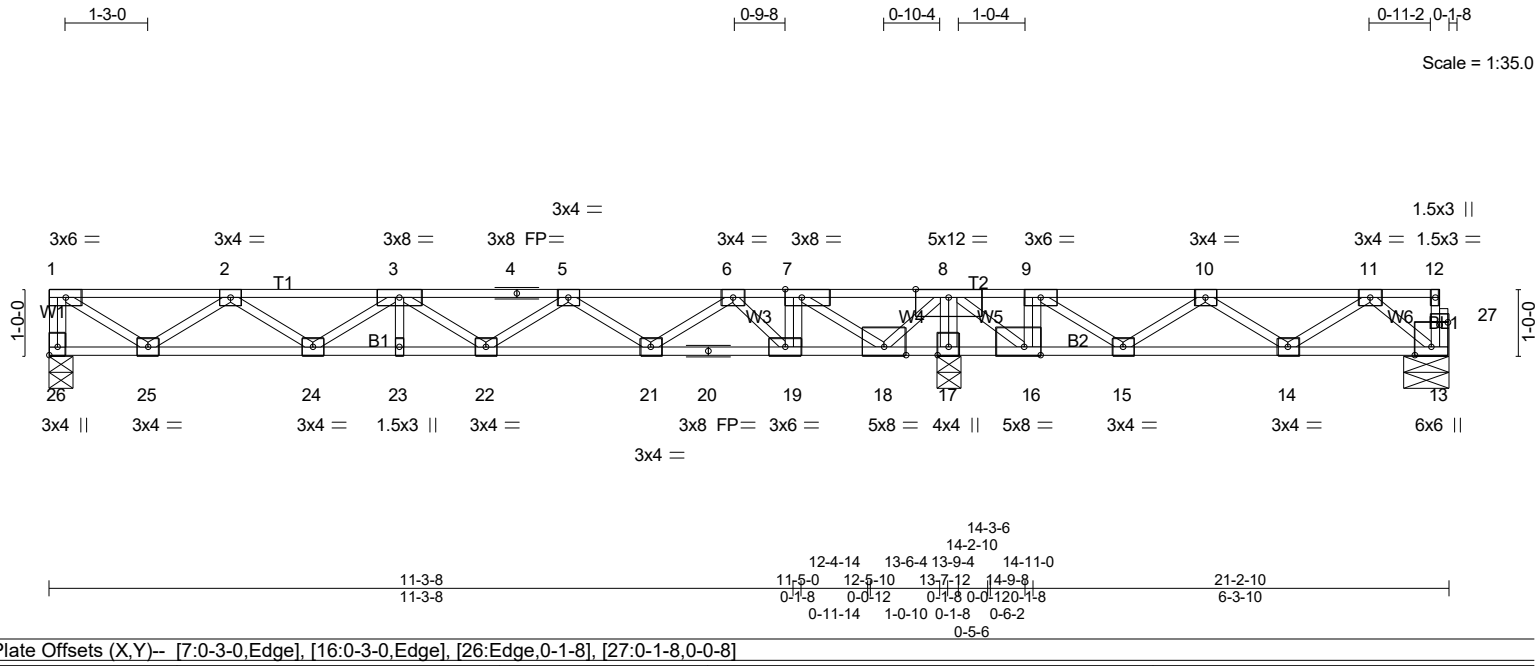






Plate Offsets (X,Y)-- [7:0-3-0,Edge], [16:0-3-0,Edge], [26:Edge,0-1-8], [27:0-1-8,0-0-8]

| LOADING (psf) | | SPACING- | 1-4-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.47 | Vert(LL) | -0.06 | 22 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.38 | Vert(CT) | -0.13 | 22 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.96 | Horz(CT) | 0.02 | 17 | 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) *Except*
W5: 2x4 SP No.2(flat)

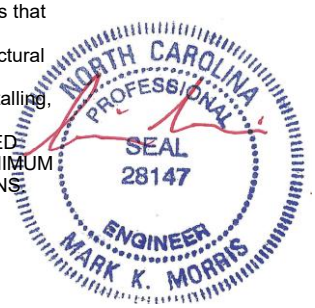
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 26=476/0-4-8 (min. 0-1-8), 17=2884/0-4-8 (min. 0-1-8), 13=94/0-7-14 (min. 0-1-8)
Max Uplift13=-85(LC 3)
Max Grav 26=485(LC 3), 17=2884(LC 1), 13=193(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-480/0, 1-2=-643/0, 2-3=-1495/0, 3-4=-1801/0, 4-5=-1801/0, 5-6=-1566/0, 6-7=-963/0, 7-8=0/1287, 8-9=0/1050, 9-10=-92/728, 10-11=-277/281
BOT CHORD 24-25=0/1209, 23-24=0/1772, 22-23=0/1772, 21-22=0/1809, 20-21=0/1292, 19-20=0/1292, 18-19=0/963, 17-18=-2790/0, 16-17=-2773/0, 15-16=-1050/0, 14-15=-473/319
WEBS 9-16=-1339/0, 8-17=-2797/0, 7-19=0/324, 8-16=0/2274, 9-15=0/533, 10-15=-452/0, 11-13=-276/147, 1-25=0/763, 2-25=-691/0, 2-24=0/349, 3-24=-333/0, 5-21=-312/0, 6-21=0/349, 6-19=-469/0, 7-18=-2532/0, 8-18=0/2011

**NOTES-** (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 13.
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

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Continued on page 2

**LOAD CASE(S)** Standard
Uniform Loads (plf)
Vert: 13-26=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960
3) 1st Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-67, 8-12=-13
Concentrated Loads (lb)
Vert: 9=-960 7=-960
4) 2nd Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-13, 8-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960
5) 3rd unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-67, 8-12=-13
Concentrated Loads (lb)
Vert: 9=-960 7=-960
6) 4th unbalanced Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-8=-13, 8-12=-67
Concentrated Loads (lb)
Vert: 9=-960 7=-960


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F106A | Floor | 7 | 1 | # 56403 |
| | | | | | Job Reference (optional) |

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1-3-0 0-4-12 0-11-6 0-1-8

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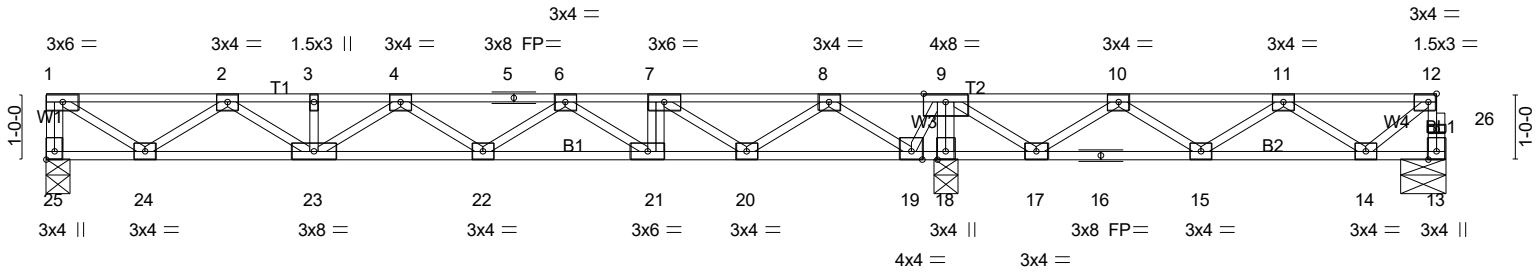


9-3-0 13-7-12 21-2-10
9-3-0 4-4-12 7-6-14

Plate Offsets (X,Y)-- [12:0-1-8,Edge], [25:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 1-4-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.30 | Vert(LL) | -0.06 | 22 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.27 | Vert(CT) | -0.09 | 22 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.30 | Horz(CT) | 0.01 | 18 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 108 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) 25=408/0-4-8 (min. 0-1-8), 13=109/0-7-14 (min. 0-1-8), 18=1016/0-4-8 (min. 0-1-8)
Max Uplift13=-69(LC 3)
Max Grav 25=417(LC 3), 13=209(LC 4), 18=1016(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-413/0, 1-2=-535/0, 2-3=-1217/0, 3-4=-1217/0, 4-5=-1294/0, 5-6=-1294/0, 6-7=-886/0, 7-8=-355/39, 8-9=0/1004, 9-10=0/893, 10-11=-320/422
BOT CHORD 23-24=0/1001, 22-23=0/1371, 21-22=0/1192, 20-21=0/886, 19-20=-275/0, 18-19=-1316/0, 17-18=-1287/0, 16-17=-636/239, 15-16=-636/239, 14-15=-235/377
WEBS 9-18=-979/0, 9-17=0/608, 10-17=-573/0, 10-15=0/275, 1-24=0/634, 2-24=-569/0, 2-23=0/259, 6-21=-377/0, 7-20=-650/0, 8-20=0/634, 8-19=-896/0, 9-19=0/601

**NOTES-** (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 13.
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F107 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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0-1-8

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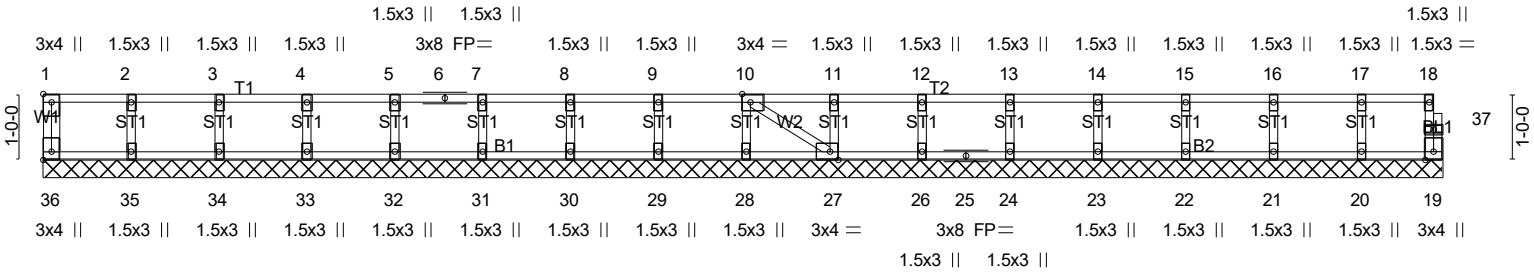



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [27:0-1-8,Edge], [36:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 1-4-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.04 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.00 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 19 | 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)

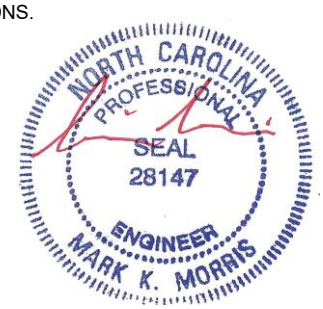
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 21-2-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard




2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F108 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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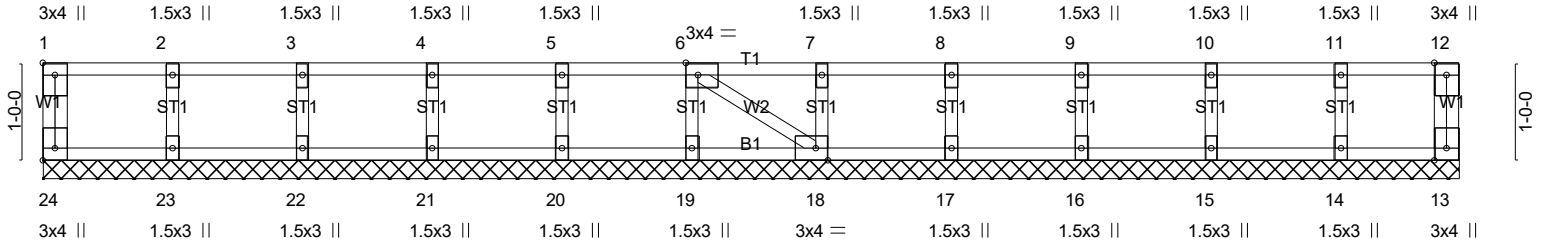


14-6-8
14-6-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 1-4-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.04 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.00 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 18 | 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 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 14-6-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

**NOTES-** (5-8)
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) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F109 | Floor | 6 | 1 | Job Reference (optional) **# 56403** |

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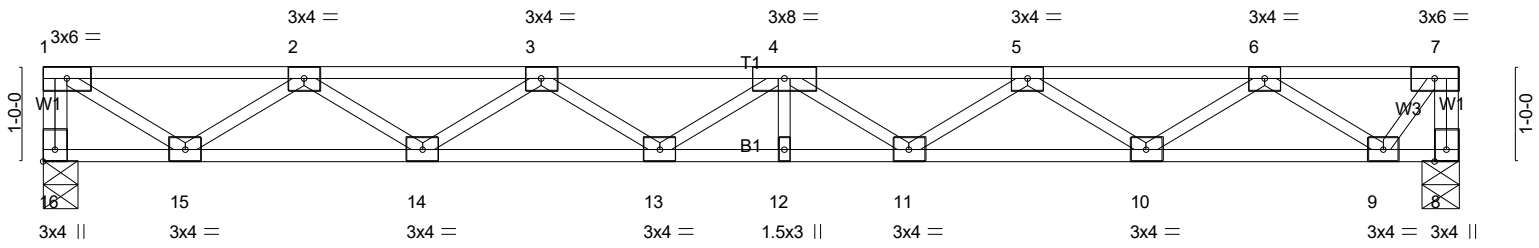


| 1-6-0 | 4-0-0 | 6-6-0 | 9-1-8 | 11-7-8 | 14-1-8 | 14-11-0 |
|---|---|---|---|---|---|---|
| 1-6-0 | 2-6-0 | 2-6-0 | 2-7-8 | 2-6-0 | 2-6-0 | 0-9-8 |

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

| **LOADING** (psf) | | **SPACING-** | 1-4-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.21 | Vert(LL) | -0.13 | 12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.43 | Vert(CT) | -0.18 | 12 | >984 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.41 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 75 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=538/0-4-8 (min. 0-1-8), 8=538/0-4-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-533/0, 7-8=-538/0, 1-2=-725/0, 2-3=-1729/0, 3-4=-2180/0, 4-5=-2105/0, 5-6=-1498/0, 6-7=-373/0
BOT CHORD 14-15=0/1365, 13-14=0/2069, 12-13=0/2274, 11-12=0/2274, 10-11=0/1922, 9-10=0/1051
WEBS 1-15=0/859, 2-15=-782/0, 2-14=0/444, 3-14=-415/0, 5-10=-517/0, 6-10=0/545, 6-9=-828/0, 7-9=0/615

**NOTES-** (2-5)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
4) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
5) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F110 | Floor | 7 | 1 | Job Reference (optional) **# 56403** |

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1-3-0 0-6-8

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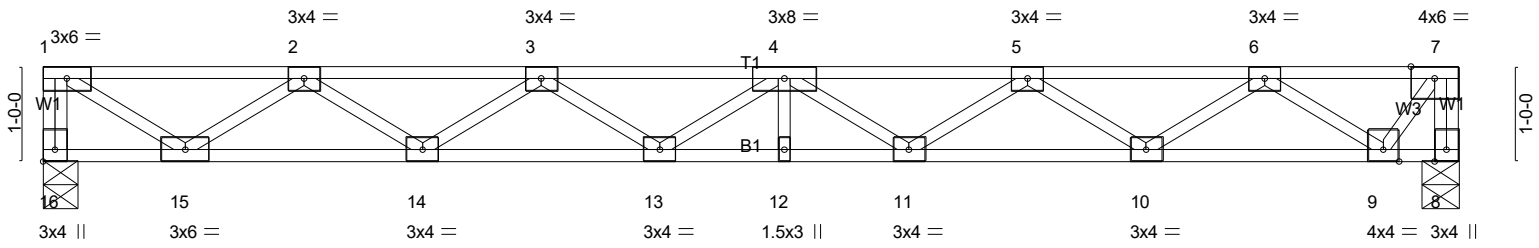


| 1-6-0 | 4-0-0 | 6-6-0 | 9-1-8 | 11-7-8 | 14-1-8 | 14-11-0 |
|---|---|---|---|---|---|---|
| 1-6-0 | 2-6-0 | 2-6-0 | 2-7-8 | 2-6-0 | 2-6-0 | 0-9-8 |

Plate Offsets (X,Y)-- [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 | 0.28 | Vert(LL) | -0.16 | 12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.52 | Vert(CT) | -0.21 | 12 | >820 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.49 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 75 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=645/0-4-8 (min. 0-1-8), 8=645/0-4-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-639/0, 7-8=-645/0, 1-2=-869/0, 2-3=-2074/0, 3-4=-2614/0, 4-5=-2524/0, 5-6=-1797/0, 6-7=-447/0
BOT CHORD 14-15=0/1637, 13-14=0/2481, 12-13=0/2727, 11-12=0/2727, 10-11=0/2305, 9-10=0/1261
WEBS 1-15=0/1030, 2-15=-937/0, 2-14=0/533, 3-14=-498/0, 5-11=0/267, 5-10=-620/0, 6-10=0/654, 6-9=-993/0, 7-9=0/738

**NOTES-** (2-5)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
4) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
5) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F111 | Floor | 4 | 1 | Job Reference (optional) **# 56403** |

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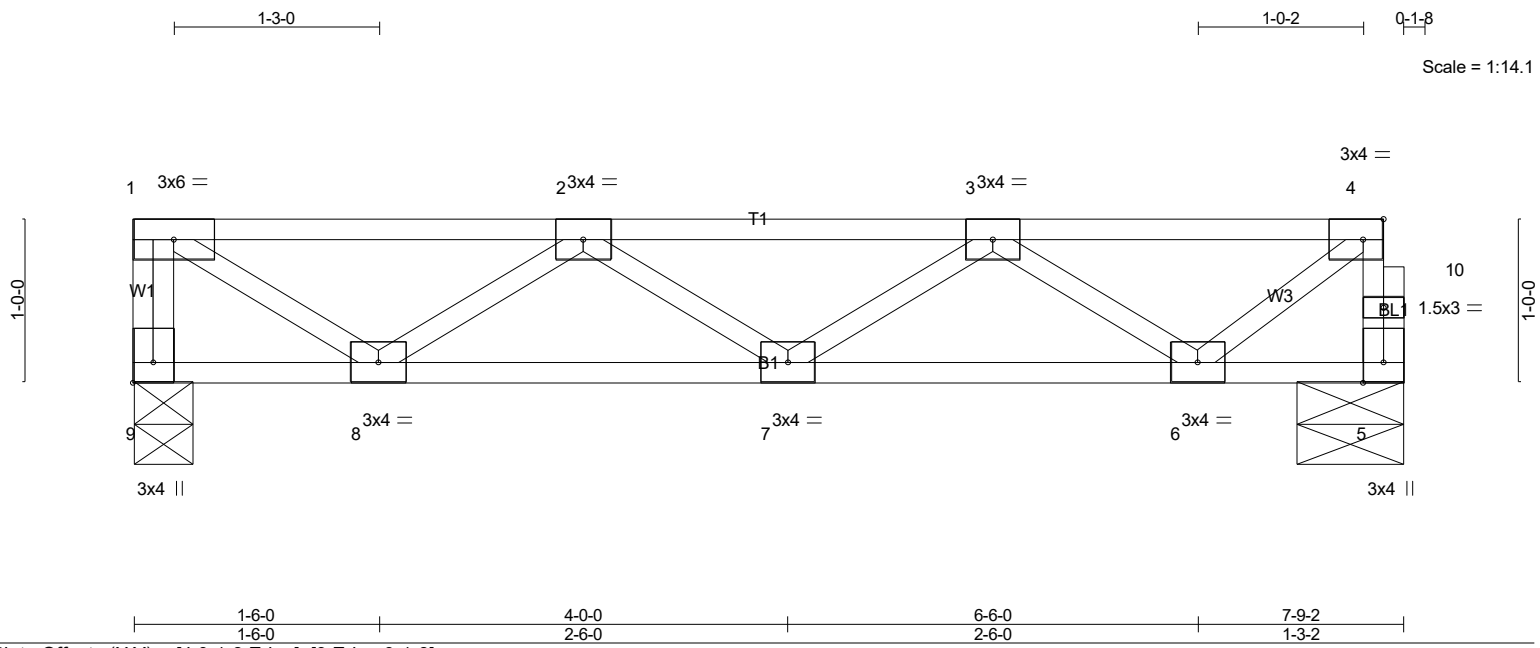


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:Edge,0-1-8]

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

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

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

**REACTIONS.** (lb/size) 9=330/0-4-8 (min. 0-1-8), 5=325/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-326/0, 5-10=-323/0, 4-10=-322/0, 1-2=-378/0, 2-3=-692/0, 3-4=-326/0
BOT CHORD 7-8=0/698, 6-7=0/656
WEBS 1-8=0/448, 2-8=-391/0, 3-6=-403/0, 4-6=0/391

**NOTES-** (3-6)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F112 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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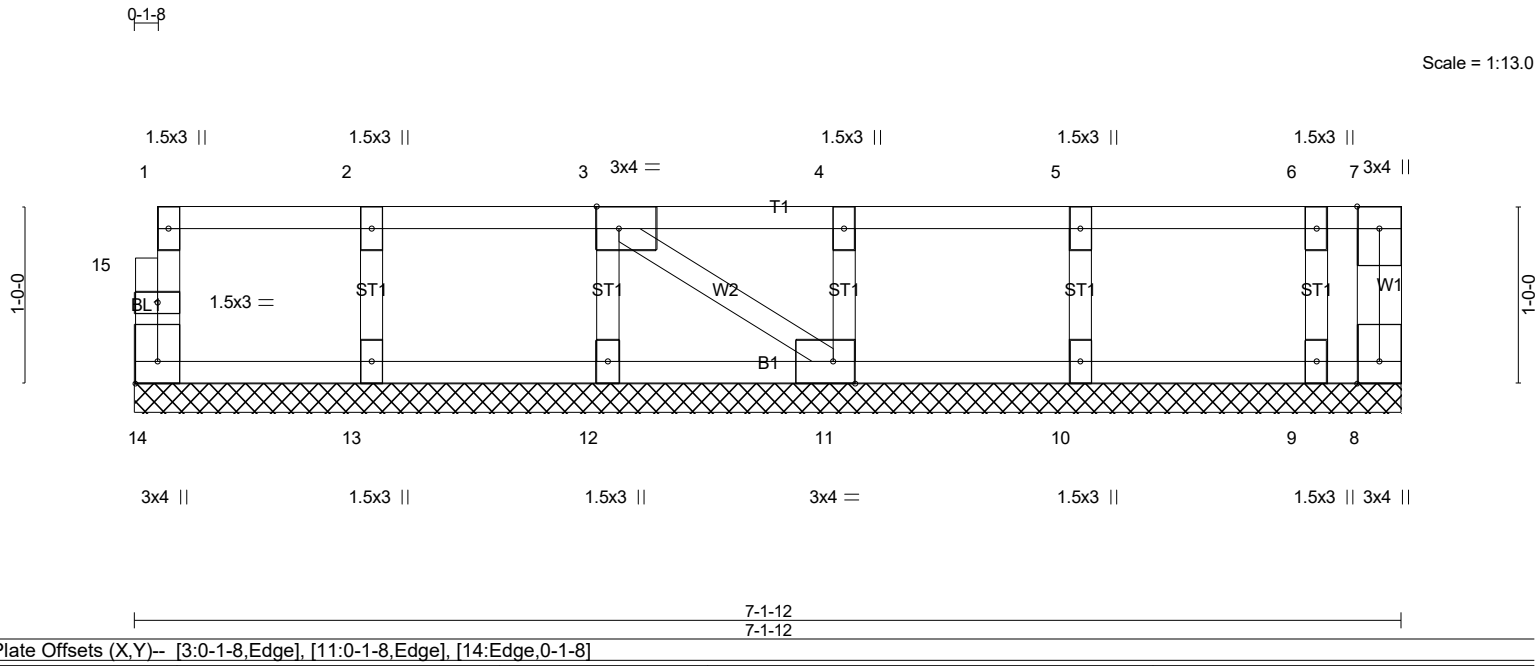


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8]

| **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 | 0.05 | 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 | 0.02 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 33 lb | FT = 20%F, 11%E |

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

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

**REACTIONS.** All bearings 7-1-12.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 8
Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

**NOTES-** (7-10)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F113 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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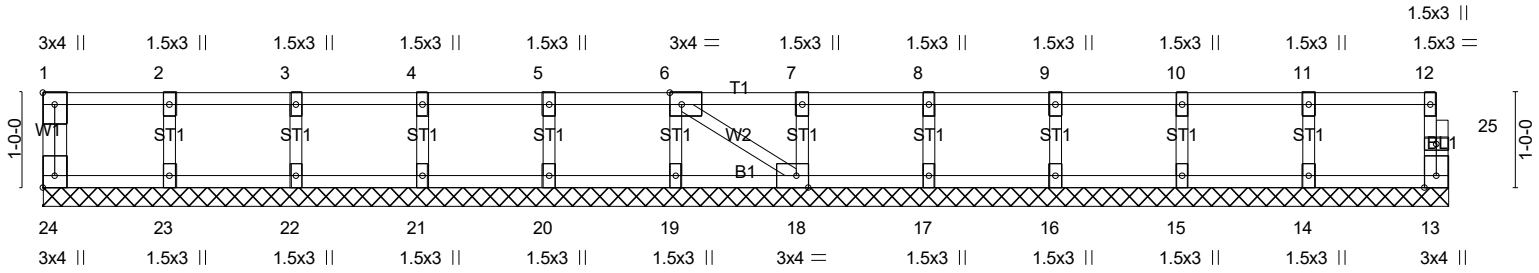
0-1-8

Scale = 1:24.3




14-9-10
14-9-10

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [18:0-1-8,Edge], [24:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 1-4-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.04 | 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 | 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 14-9-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F114 | Floor | 1 | 1 | Job Reference (optional) **# 56403** |

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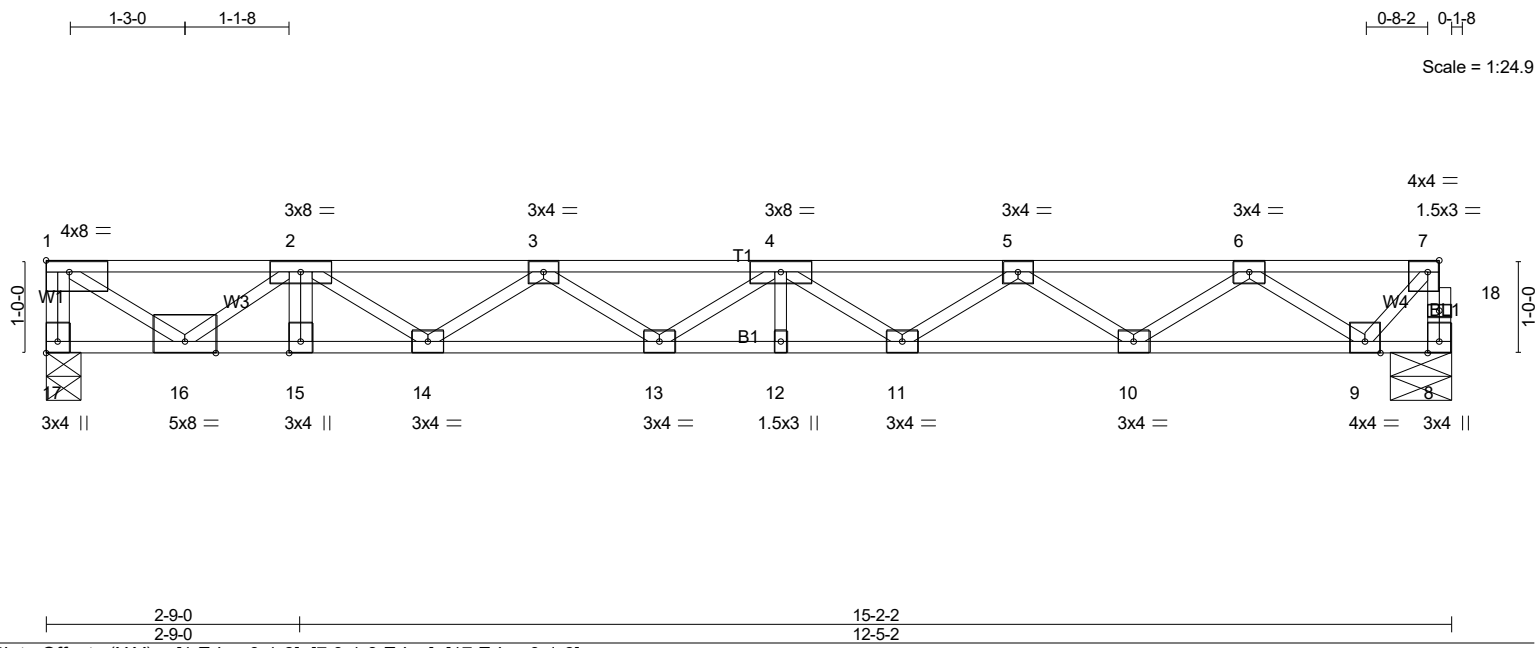



Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [17:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 1-4-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.49 | Vert(LL) | -0.14 | 12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.78 | Vert(CT) | -0.30 | 12-13 | >587 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 1.00 | Horz(CT) | 0.05 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 78 lb | FT = 20%F, 11%E |

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

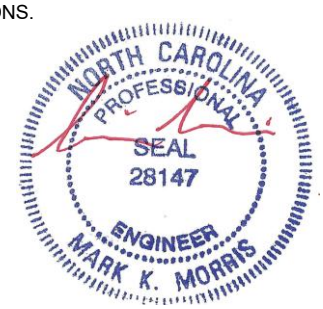
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 17=1206/0-4-8 (min. 0-1-8), 8=684/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1199/0, 8-18=-685/0, 7-18=-683/0, 1-2=-1767/0, 2-3=-3551/0, 3-4=-3609/0, 4-5=-3113/0, 5-6=-2109/0, 6-7=-582/0
BOT CHORD 15-16=0/3355, 14-15=0/3355, 13-14=0/3700, 12-13=0/3491, 11-12=0/3491, 10-11=0/2731, 9-10=0/1463
WEBS 1-16=0/2094, 2-16=-1936/0, 4-11=-455/0, 5-11=0/466, 5-10=-760/0, 6-10=0/788, 6-9=-1075/0, 7-9=0/826

**NOTES-** (4-7)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-7=-67
Concentrated Loads (lb)
Vert: 2=-800
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-7, 1-7=-67
Concentrated Loads (lb)
Vert: 2=-800

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| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F114A | FLOOR | 6 | 1 | Job Reference (optional) **# 56403** |

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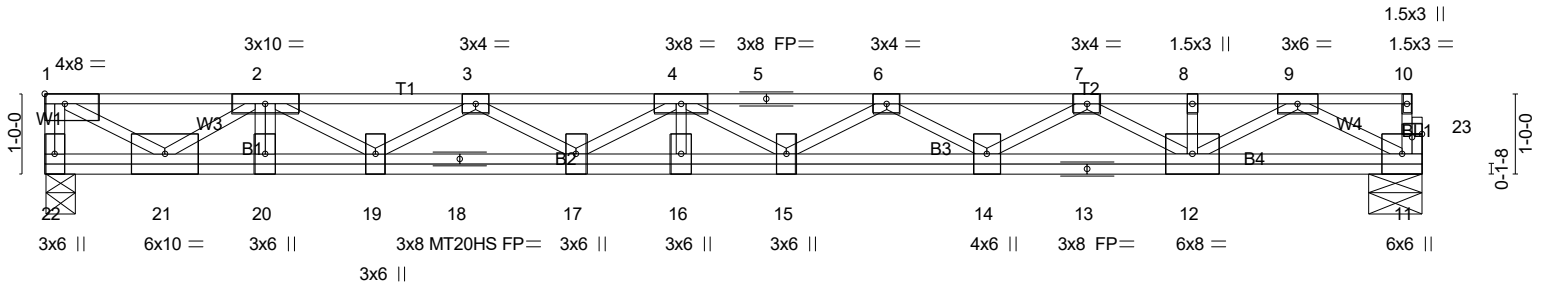


2-9-0 17-2-2
2-9-0 14-5-2

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

| **LOADING** (psf) | | **SPACING-** | 1-4-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.67 | Vert(LL) | -0.19 | 15 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.55 | Vert(CT) | -0.39 | 16 | >519 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.66 | Horz(CT) | 0.03 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 111 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.2(flat) *Except*
W1,BL1,W3,W4: 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 22=1294/0-4-8 (min. 0-1-8), 11=743/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1263/0, 1-2=-2011/0, 2-3=-4201/0, 3-4=-4518/0, 4-5=-4265/0, 5-6=-4265/0, 6-7=-3474/0, 7-8=-2090/0, 8-9=-2090/0
BOT CHORD 20-21=0/3851, 19-20=0/3851, 18-19=0/4489, 17-18=0/4489, 16-17=0/4577, 15-16=0/4577, 14-15=0/4002, 13-14=0/2910, 12-13=0/2910, 11-12=0/1251
WEBS 1-21=0/2336, 2-21=-2191/0, 2-19=0/407, 3-19=-343/0, 4-15=-367/0, 6-15=0/313, 6-14=-630/0, 7-14=0/672, 7-12=-965/0, 9-12=0/989, 9-11=-1398/0

**NOTES-** (5-8)
1) All plates are MT20 plates unless otherwise indicated.
2) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-22=-7, 1-10=-67
Concentrated Loads (lb)
Vert: 2=-800

NORTH CAROLINA PROFESSIONAL SEAL 28147 ENGINEER MARK K. MORRIS

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**LOAD CASE(S)** Standard

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 11-22=-7, 1-10=-67
   Concentrated Loads (lb)
      Vert: 2=-800


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| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F115 | FLOOR | 1 | 1 | Job Reference (optional) **# 56403** |

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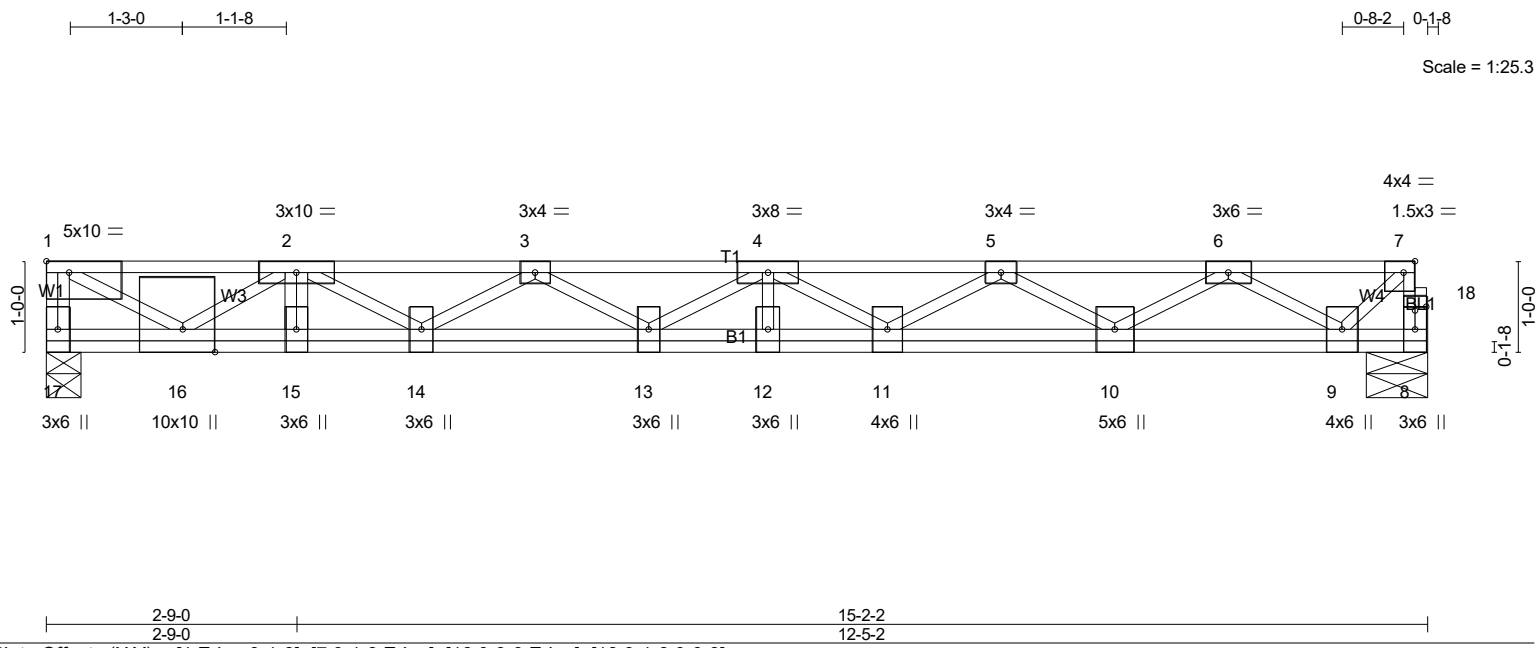


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [16:0-3-0,Edge], [18:0-1-8,0-0-8]

| **LOADING** (psf) | | **SPACING-** | 1-7-3 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.73 | Vert(LL) | -0.14 | 12 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.59 | Vert(CT) | -0.32 | 13 | >555 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.75 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 98 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.2(flat) *Except*
W1,BL1,W3,W4: 2x4 SP No.3(flat)

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

**REACTIONS.** (lb/size) 17=1480/0-4-8 (min. 0-1-8), 8=828/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1445/0, 8-18=-822/0, 7-18=-820/0, 1-2=-2296/0, 2-3=-4627/0, 3-4=-4671/0, 4-5=-4013/0, 5-6=-2723/0, 6-7=-754/0
BOT CHORD 15-16=0/4387, 14-15=0/4388, 13-14=0/4804, 12-13=0/4554, 11-12=0/4554, 10-11=0/3524, 9-10=0/1891
WEBS 1-16=0/2666, 2-16=-2492/0, 2-14=0/278, 4-11=-636/0, 5-11=0/584, 5-10=-955/0, 6-10=0/993, 6-9=-1356/0, 7-9=0/1026

**NOTES-** (4-7)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-17=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 2=-1000
2) Dead: Lumber Increase=1.00, Plate Increase=1.00


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**LOAD CASE(S)** Standard
Uniform Loads (plf)
Vert: 8-17=-8, 1-7=-80
Concentrated Loads (lb)
Vert: 2=-1000


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| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F115A | FLOOR | 1 | 1 | Job Reference (optional) **# 56403** |

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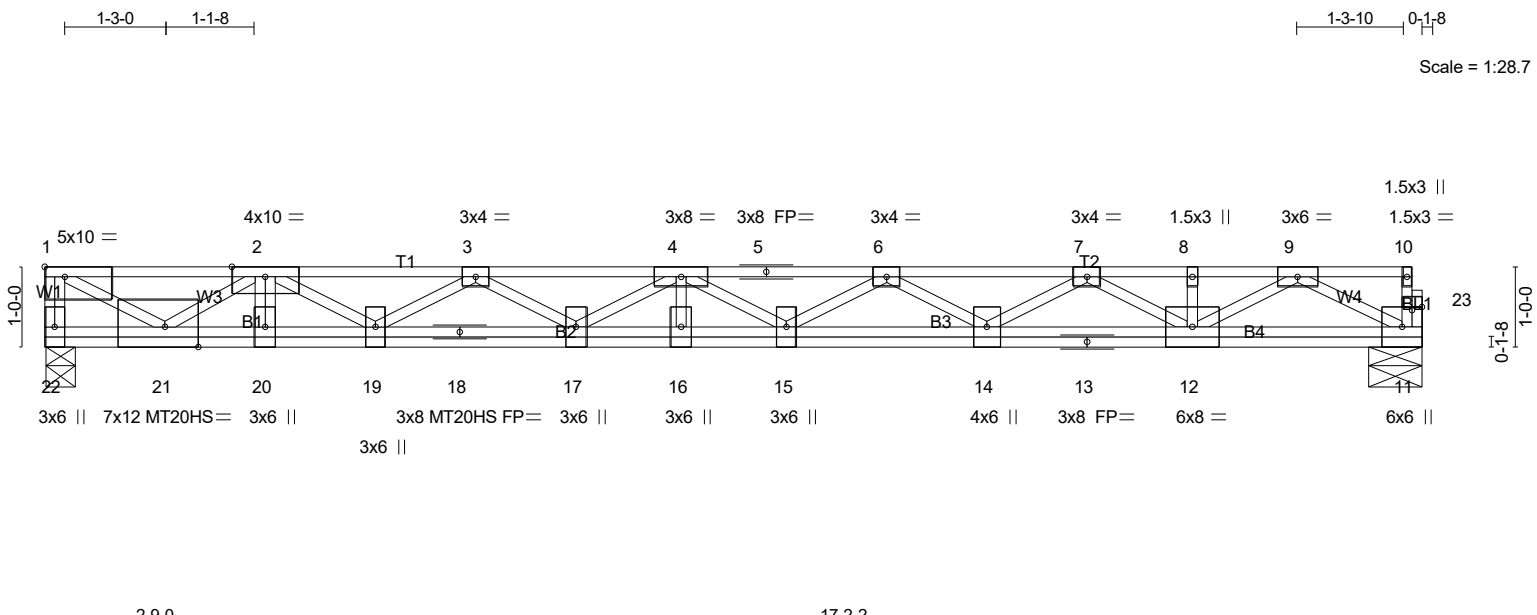


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [21:0-5-0,Edge], [23:0-1-8,0-0-8]

| **LOADING** (psf) | | **SPACING-** | 1-7-3 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.96 | Vert(LL) | -0.23 | 15-16 | >873 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.68 | Vert(CT) | -0.47 | 16 | >427 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.81 | Horz(CT) | 0.04 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 111 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.2(flat) *Except*
W1,BL1,W3,W4: 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 22=1586/0-4-8 (min. 0-1-8), 11=898/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1548/0, 1-2=-2469/0, 2-3=-5137/0, 3-4=-5497/0, 4-5=-5174/0, 5-6=-5174/0, 6-7=-4206/0, 7-8=-2526/0, 8-9=-2526/0
BOT CHORD 20-21=0/4726, 19-20=0/4726, 18-19=0/5472, 17-18=0/5472, 16-17=0/5559, 15-16=0/5559, 14-15=0/4849, 13-14=0/3521, 12-13=0/3521, 11-12=0/1511
WEBS 1-21=0/2868, 2-21=-2689/0, 2-19=0/477, 3-19=-400/0, 4-15=-453/0, 6-15=0/387, 6-14=-767/0, 7-14=0/818, 7-12=-1170/0, 9-12=0/1197, 9-11=-1689/0

**NOTES-** (5-8)
1) All plates are MT20 plates unless otherwise indicated.
2) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-22=-8, 1-10=-80
Concentrated Loads (lb)
Vert: 2=-1000


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Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F115A | FLOOR | 1 | 1 | Job Reference (optional) **# 56403** |



**LOAD CASE(S)** Standard
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-22=-8, 1-10=-80
Concentrated Loads (lb)
Vert: 2=-1000


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| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F116 | Floor | 1 | 1 | # 56403 |
| | | | | | Job Reference (optional) |

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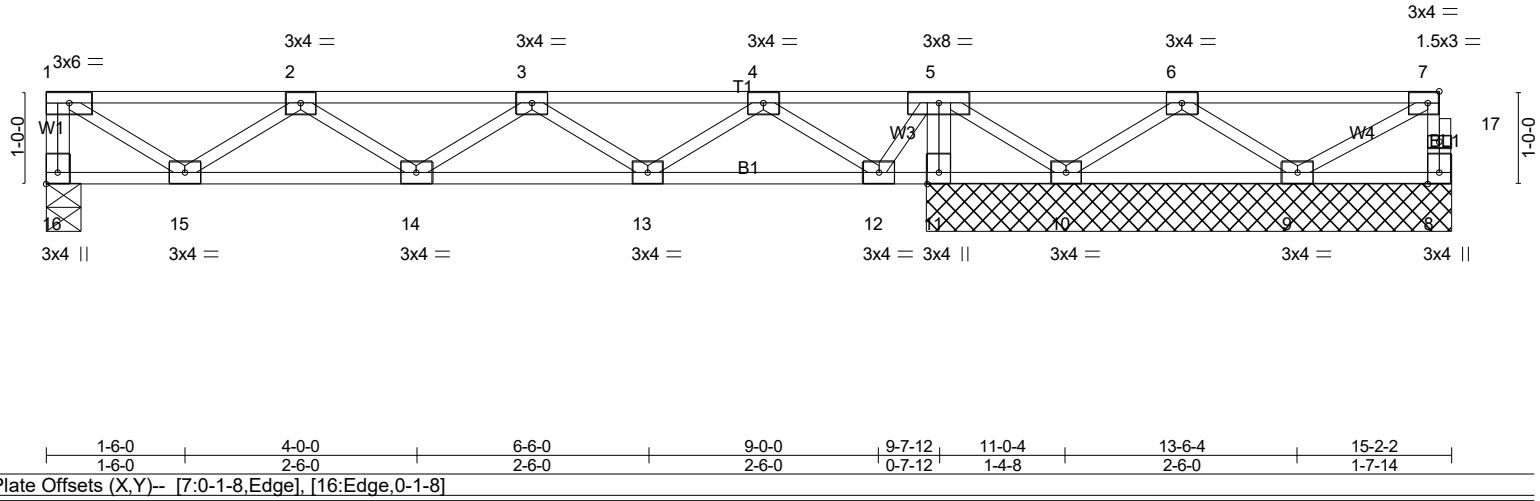



| 1-6-0 | 4-0-0 | 6-6-0 | 9-0-0 | 9-7-12 | 11-0-4 | 13-6-4 | 15-2-2 |
|---|---|---|---|---|---|---|---|
| 1-6-0 | 2-6-0 | 2-6-0 | 2-6-0 | 0-7-12 | 1-4-8 | 2-6-0 | 1-7-14 |

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

| LOADING (psf) | | SPACING- | 1-7-3 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.29 | Vert(LL) | -0.02 | 14 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.16 | Vert(CT) | -0.03 | 14 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.24 | Horz(CT) | 0.01 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 77 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.** All bearings 5-7-14 except (jt=length) 16=0-4-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 10
Max Grav All reactions 250 lb or less at joint(s) 8, 10, 9 except 16=350(LC 1), 11=827(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-345/0, 1-2=-409/0, 2-3=-776/0, 3-4=-478/0, 4-5=0/406, 5-6=0/329
BOT CHORD 14-15=0/758, 13-14=0/767, 11-12=-709/0, 10-11=-689/0
WEBS 5-11=-802/0, 1-15=0/485, 2-15=-426/0, 3-13=-353/0, 4-13=0/388, 4-12=-690/0, 5-12=0/501, 5-10=0/428, 6-10=-376/0

**NOTES-** (4-7)
1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard

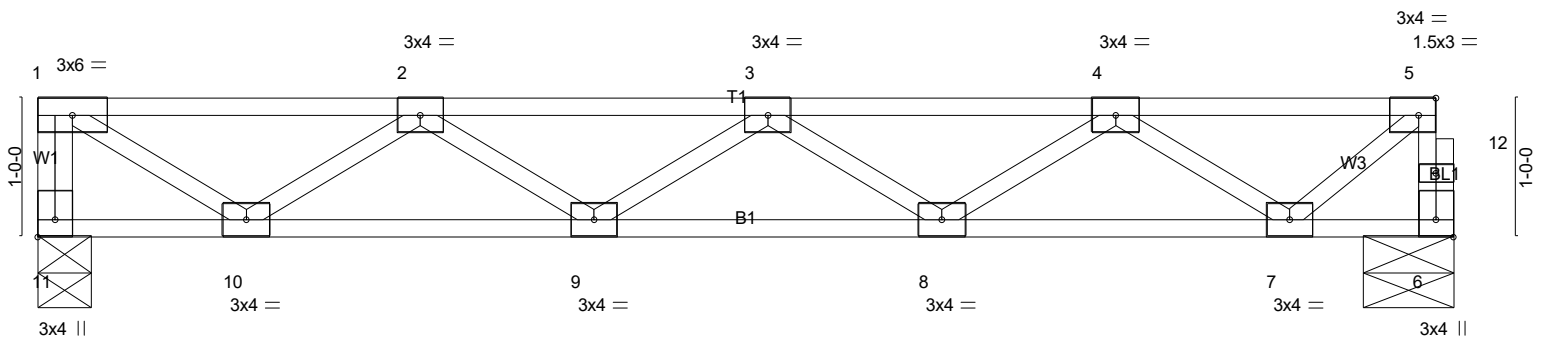

2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F117 | Floor | 4 | 1 | Job Reference (optional) **# 56403** |

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Feb 3 18:28:44 2025 Page 1
ID:TI8BXP?rb369B_B636Qe0HyKJdu-vUZQMFHHQKzTtGL9QYw7uC6ZXt5Sx13VOnx0hQzonFH

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

Scale = 1:16.6




| 1-6-0 | 4-0-0 | 6-6-0 | 9-0-0 | 10-2-2 |
|---|---|---|---|---|
| 1-6-0 | 2-6-0 | 2-6-0 | 2-6-0 | 1-2-2 |

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8], [11: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) | -0.04 | 8-9 | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.25 | Vert(CT) | -0.05 | 8-9 | >999 | 360 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.31 | Horz(CT) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 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) 11=436/0-4-8 (min. 0-1-8), 6=432/0-7-14 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-431/0, 6-12=-430/0, 5-12=-429/0, 1-2=-545/0, 2-3=-1156/0, 3-4=-1110/0, 4-5=-436/0
BOT CHORD 9-10=0/1017, 8-9=0/1267, 7-8=0/925
WEBS 1-10=0/646, 2-10=-576/0, 4-7=-597/0, 5-7=0/541

**NOTES-** (3-6)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
5) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
6) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F118 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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ID:TI8BXP?rb369B_B636Qe0HyKJdu-vUZQMFHHQKzTtGL9QYw7uC6cEt8Bx5RVOnx0hQzonFH

0-1-8

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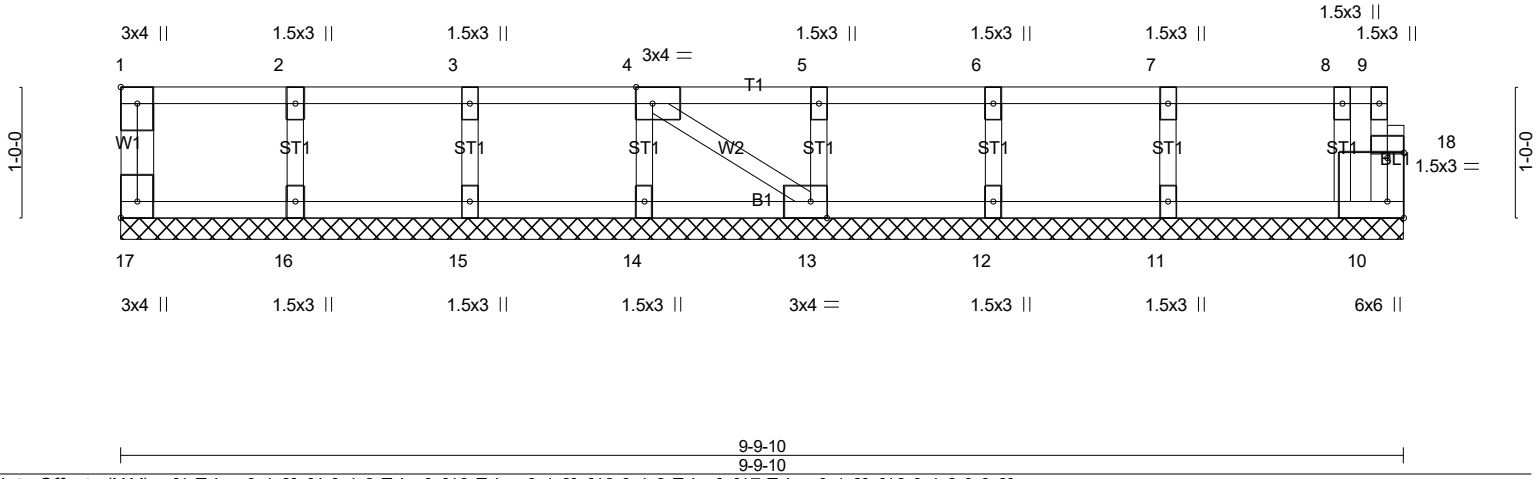


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [10:Edge,0-1-8], [13:0-1-8,Edge], [17:Edge,0-1-8], [18:0-1-8,0-0-8]

| **LOADING** (psf) | | **SPACING-** | 1-7-3 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.05 | 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 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-SH | | | | | | | Weight: 43 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 9-9-10.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 17, 10, 16, 15, 14, 13, 12, 11

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F119 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

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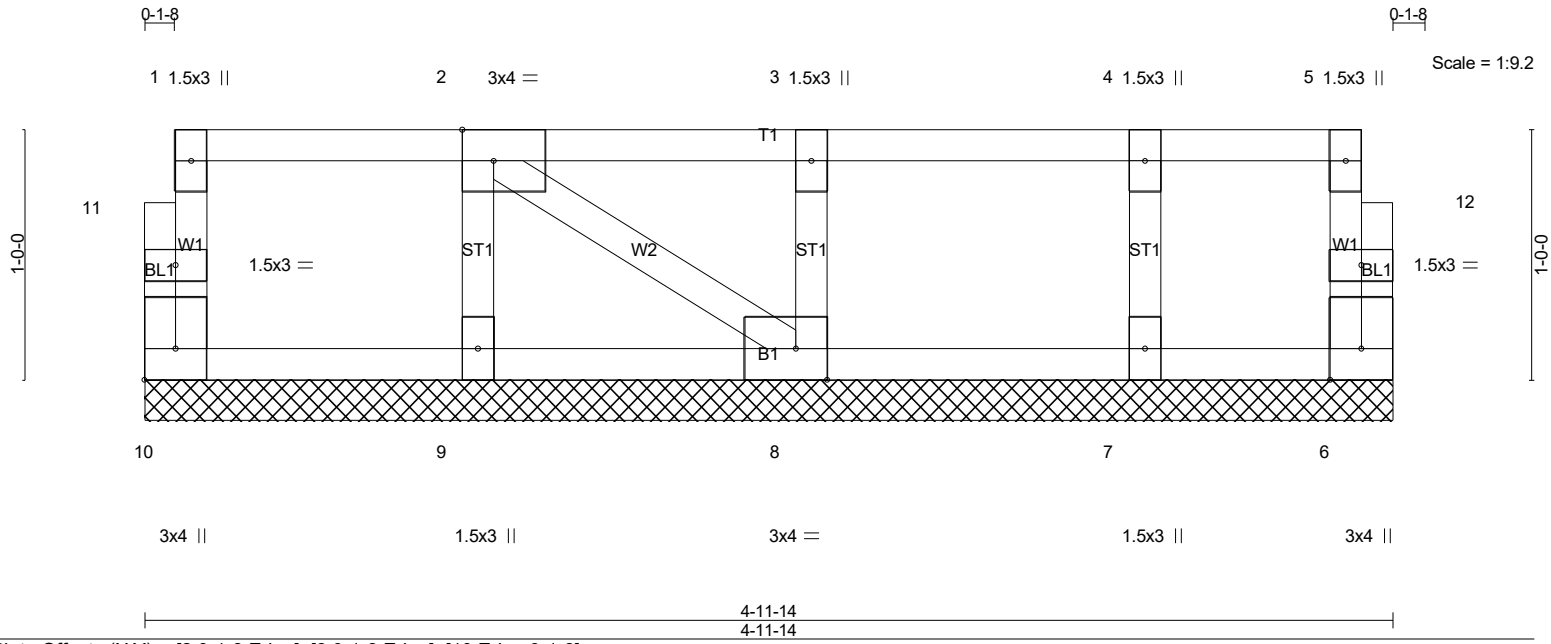


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [8:0-1-8,Edge], [10:Edge,0-1-8]

| **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 | 0.02 | Horz(CT) | 0.00 | 6 | 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)
OTHERS 2x4 SP No.3(flat)

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 4-11-14.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

**NOTES-** (5-8)
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) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F120 | Floor Supported Gable | 2 | 1 | Job Reference (optional) **# 56403** |

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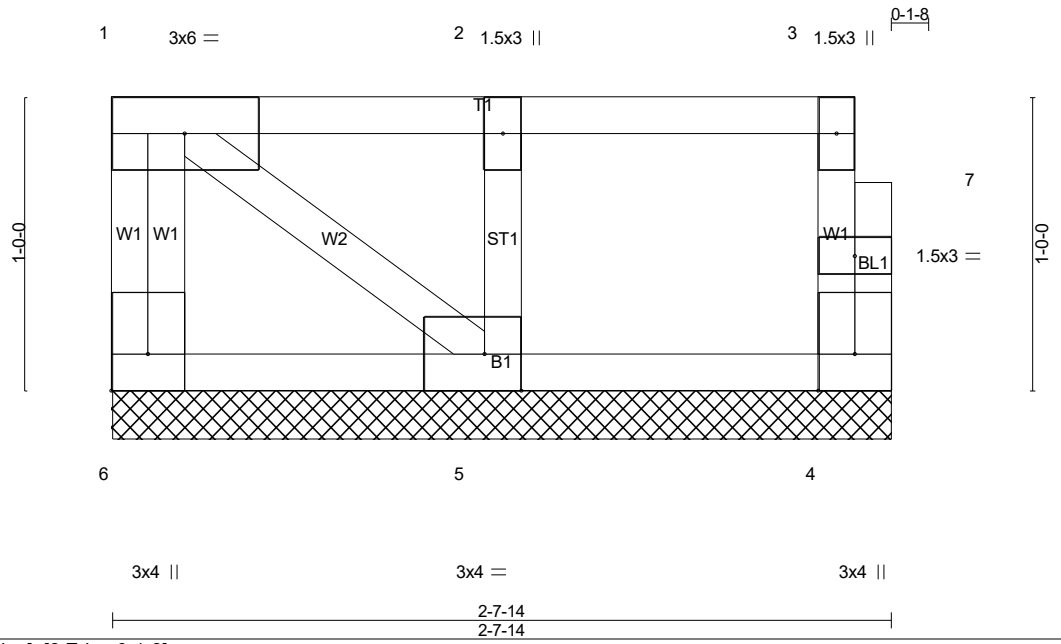


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:Edge,0-1-8]

| **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 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 15 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 2-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 6=53/2-7-14 (min. 0-1-8), 4=46/2-7-14 (min. 0-1-8), 5=159/2-7-14 (min. 0-1-8)

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

**NOTES-** (6-9)
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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025

| Job | Truss | Truss Type | Qty | Ply | LOT 0.0008 CAMPBELL RIDGE \| 214 ALDEN WAY ANGIER, NC |
|---|---|---|---|---|---|
| 25-0726-F01 | F121 | Floor Supported Gable | 1 | 1 | Job Reference (optional) **# 56403** |

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Feb 3 18:28:44 2025 Page 1
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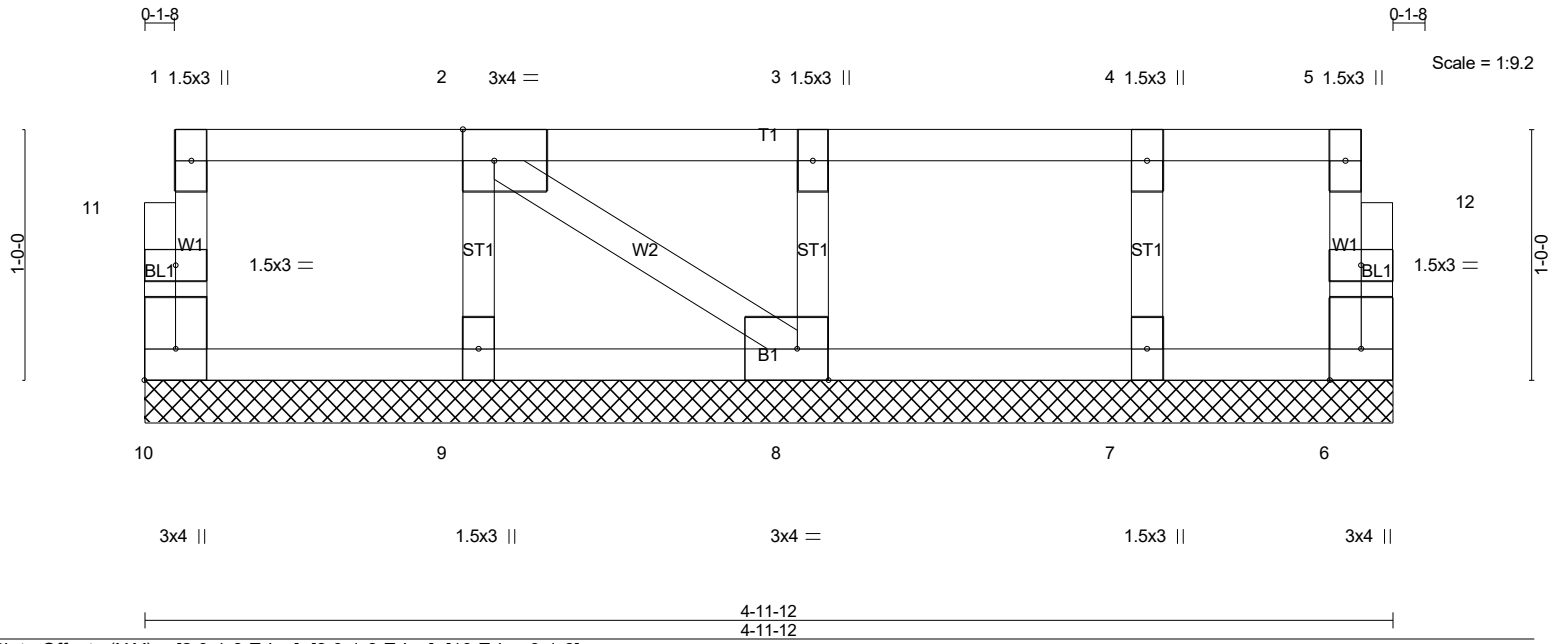


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [8:0-1-8,Edge], [10:Edge,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2021/TPI2014 | | Matrix-P | | | | | | | Weight: 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)
OTHERS 2x4 SP No.3(flat)

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

**REACTIONS.** All bearings 4-11-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

**NOTES-** (5-8)
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) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

**LOAD CASE(S)** Standard


2/3/2025