

Trenco  
818 Soundside Rd  
Edenton, NC 27932

Re: 4404935  
Drees-Parkette-D-Lot 45 Tobacco Road

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource (Apex,NC).

Pages or sheets covered by this seal: I72856720 thru I72856760

My license renewal date for the state of North Carolina is December 31, 2025.

North Carolina COA: C-0844



April 18,2025

Gilbert, Eric

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

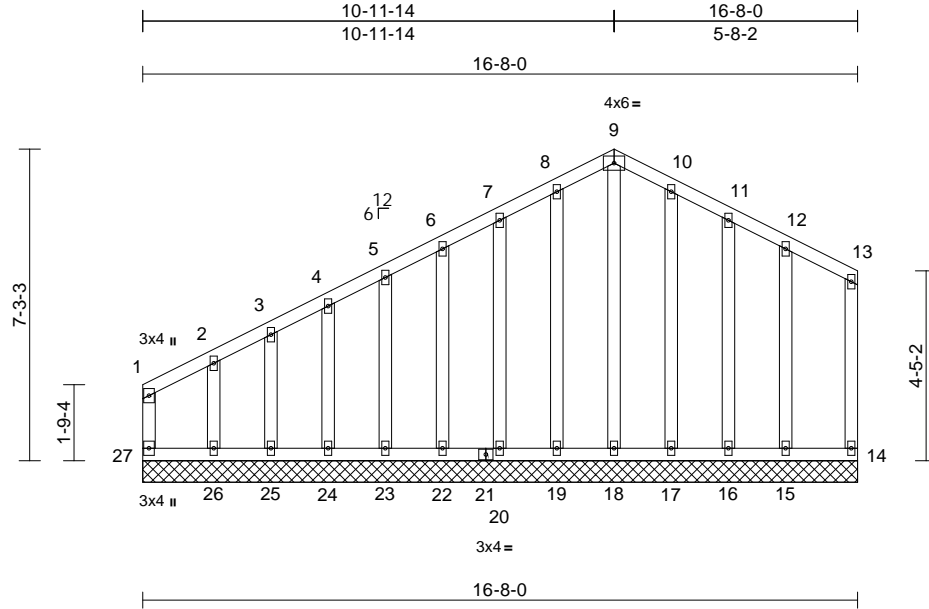
|                          |       |                        |     |     |                                      |
|--------------------------|-------|------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type             | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | A01   | Common Supported Gable | 2   | 1   | 172856720                            |
| Job Reference (optional) |       |                        |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:42

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Scale = 1:53.7

| Loading                 | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|-------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)             | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.19 | n/a       | -     | n/a    | 999 | MT20   | 244/190 |
| TCDL                    | 10.0  | Lumber DOL      | 1.15            | BC        | 0.19 | n/a       | -     | n/a    | 999 |        |         |
| BCLL                    | 0.0*  | Rep Stress Incr | YES             | WB        | 0.09 | Horiz(TL) | 0.00  | 14     | n/a |        |         |
| BCDL                    | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MR |      |           |       |        |     |        |         |
| Weight: 137 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS      | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.2 |

#### 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

|            |   |
|------------|---|
| (size)     | 14=16-8-0, 15=16-8-0, 16=16-8-0, 17=16-8-0, 18=16-8-0, 19=16-8-0, 20=16-8-0, 22=16-8-0, 23=16-8-0, 24=16-8-0, 25=16-8-0, 26=16-8-0, 27=16-8-0   |
| Max Horiz  | 27=168 (LC 9)   |
| Max Uplift | 14=39 (LC 12), 15=22 (LC 8), 16=32 (LC 13), 17=17 (LC 13), 19=16 (LC 12), 20=27 (LC 12), 22=24 (LC 12), 23=22 (LC 12), 24=32 (LC 12), 25=6 (LC 8), 26=195 (LC 9), 27=70 (LC 10)                           |
| Max Grav   | 14=55 (LC 1), 15=139 (LC 20), 16=104 (LC 24), 17=111 (LC 24), 18=108 (LC 19), 19=110 (LC 23), 20=107 (LC 23), 22=107 (LC 1), 23=106 (LC 1), 24=108 (LC 23), 25=111 (LC 20), 26=184 (LC 19), 27=200 (LC 9) |

#### FORCES

|  |   |
|--|---|
| (lb) - Maximum Compression/Maximum Tension |   |
| TOP CHORD                                  | 1-2=-168/104, 2-3=-96/60, 3-4=-96/64, 4-5=-87/70, 5-6=-79/93, 6-7=-83/121, 7-8=-94/150, 8-9=-100/172, 9-10=-100/172, 10-11=-94/150, 11-12=-82/119, 12-13=-76/98, 13-14=-62/74, 1-27=-127/64 |
| BOT CHORD                                  | 26-27=-59/61, 25-26=-59/61, 24-25=-59/61, 23-24=-59/61, 22-23=-59/61, 20-22=-59/61, 19-20=-59/61, 18-19=-59/61, 17-18=-59/61, 16-17=-59/61, 15-16=-59/61, 14-15=-59/61                      |

#### WEBS

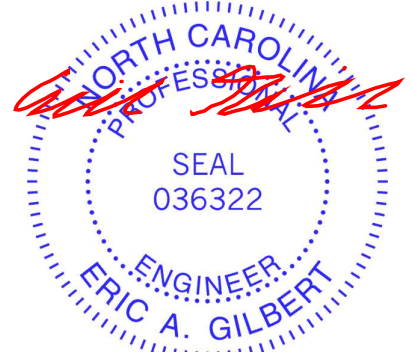
9-18=-102/33, 8-19=-84/41, 7-20=-80/52, 6-22=-80/46, 5-23=-80/46, 4-24=-80/50, 3-25=-77/40, 2-26=-124/164, 10-17=-84/40, 11-16=-79/55, 12-15=-93/48

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 27, 39 lb uplift at joint 14, 16 lb uplift at joint 19, 27 lb uplift at joint 20, 24 lb uplift at joint 22, 22 lb uplift at joint 23, 32 lb uplift at joint 24, 6 lb uplift at joint 25, 195 lb uplift at joint 26, 17 lb uplift at joint 17, 32 lb uplift at joint 16 and 22 lb uplift at joint 15.

#### LOAD CASE(S)

Standard



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompoments.com)

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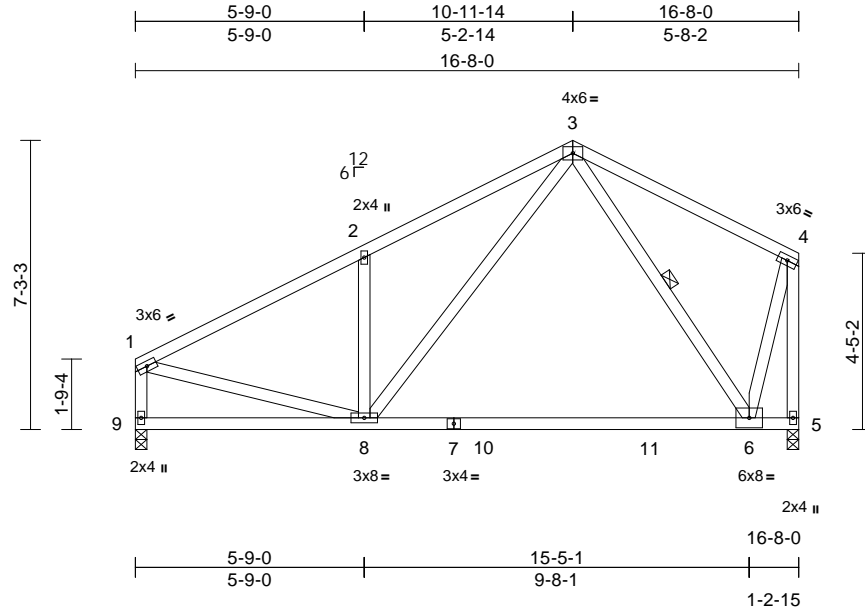
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | A02   | Common     | 15  | 1   | 172856721                            |
| Job Reference (optional) |       |            |     |     |                                      |

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Scale = 1:57.9

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.44 | Vert(LL) | -0.24 | 6-8   | >823   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.82 | Vert(CT) | -0.41 | 6-8   | >482   | 240 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.29 | Horz(CT) | 0.01  | 5     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.02  | 6-8   | >999   | 240 | Weight: 105 lb | FT = 20% |

#### LUMBER

|           |  |
|-----------|--|
| TOP CHORD | 2x4 SP No.2                              |
| BOT CHORD | 2x4 SP No.2                              |
| WEBS      | 2x4 SP No.3 *Except* 5-4,9-1:2x4 SP No.2 |

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 9 and 31 lb uplift at joint 5.

LOAD CASE(S) Standard

#### 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.                                  |
| WEBS      | 1 Row at midpt 3-6  |

#### REACTIONS

|            |                              |
|------------|------------------------------|
| (size)     | 5=0-3-8, 9=0-3-8             |
| Max Horiz  | 9=168 (LC 9)                 |
| Max Uplift | 5=-31 (LC 12), 9=-45 (LC 12) |
| Max Grav   | 5=655 (LC 1), 9=655 (LC 1)   |

#### FORCES

|  |   |
|--|---|
| (lb) - Maximum Compression/Maximum Tension |   |
| TOP CHORD                                  | 1-2=-765/136, 2-3=-775/258, 3-4=-301/131, 4-5=-905/48, 1-9=-617/130 |
| BOT CHORD                                  | 8-9=-218/176, 6-8=-127/357, 5-6=-51/56                              |
| WEBS                                       | 3-6=-348/161, 4-6=0/705, 2-8=-370/210, 3-8=-136/495, 1-8=-50/607    |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



April 18, 2025

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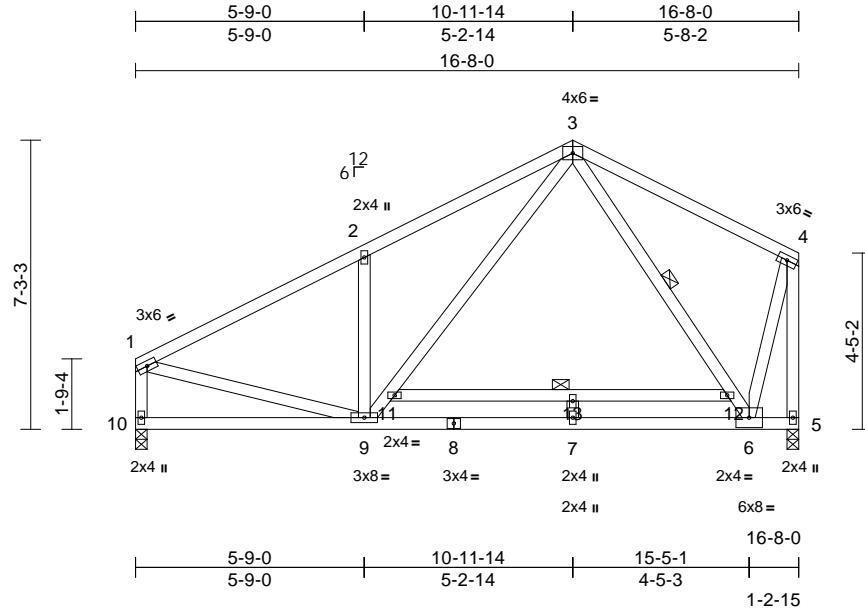
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | 172856722 |
| 4404935 | A03   | Common     | 9   | 1   | Job Reference (optional)             |           |

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Scale = 1:57.9

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.44 | Vert(LL) | -0.33 | 7-9   | >600   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.83 | Vert(CT) | -0.44 | 7-9   | >448   | 240 |                |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.66 | Horz(CT) | 0.01  | 5     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.01  | 7-9   | >999   | 240 | Weight: 119 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2 \*Except\* 8-5:2x4 SP No.1  
WEBS 2x4 SP No.3 \*Except\* 5-4,11-12:2x4 SP No.2

#### 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.  
WEBS 1 Row at midpt 3-6, 11-12

#### REACTIONS

(size) 5=0-3-8, 10=0-3-8  
Max Horiz 10=168 (LC 9)  
Max Uplift 5=-31 (LC 12), 10=-45 (LC 2)  
Max Grav 5=742 (LC 2), 10=666 (LC 2)

#### FORCES

(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=-815/140, 2-3=-823/262, 3-4=-314/136, 4-5=-1074/70, 1-10=-639/133  
BOT CHORD 9-10=-216/179, 7-9=-112/402, 6-7=-112/402, 5-6=-51/57  
WEBS 3-12=-357/158, 6-12=-390/141, 4-6=0/930, 2-9=-370/211, 9-11=-155/493, 3-11=-137/573, 1-9=-56/658, 11-13=-55/26, 12-13=-55/26, 7-13=-121/32

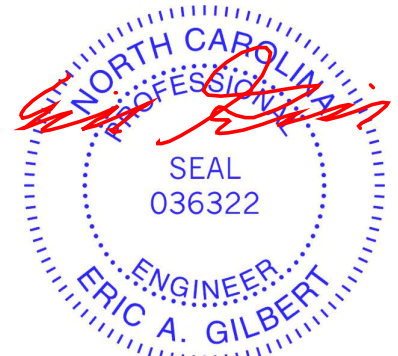
#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 10 and 31 lb uplift at joint 5.
- Load case(s) 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

#### LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (lb/ft)  
Vert: 1-3=-60, 3-4=-60, 5-10=-20
- Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (lb/ft)  
Vert: 1-3=-50, 3-4=-50, 5-10=-20, 11-13=-30, 12-13=-30



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|         |       |                            |     |     |                                      |
|---------|-------|----------------------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type                 | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | B01   | Monopitch Structural Gable | 1   | 1   | Job Reference (optional)             |

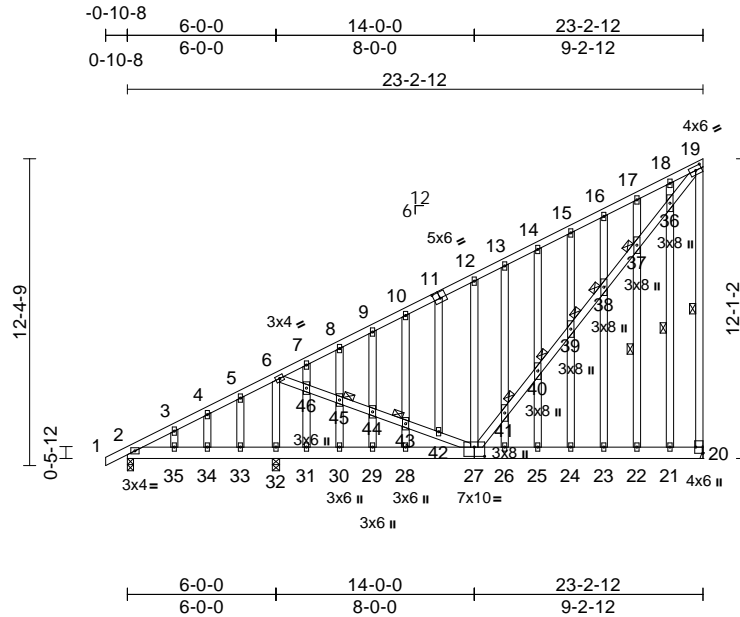
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Scale = 1:93

Plate Offsets (X, Y): [11:0-3-0,0-3-0], [19:0-2-15,0-2-0], [20:Edge,0-3-8], [27:0-5-0,0-4-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.85 | Vert(LL) | -0.09 | 23-24 | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.47 | Vert(CT) | -0.17 | 23-24 | >999   | 240 |                |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.39 | Horz(CT) | 0.00  | 20    | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.09  | 23-24 | >999   | 240 | Weight: 278 lb | FT = 20% |

|               |  |
|---------------|--|
| <b>LUMBER</b> |  |
| TOP CHORD     | 2x4 SP No.2                                  |
| BOT CHORD     | 2x6 SP No.2                                  |
| WEBS          | 2x4 SP No.3 *Except* 19-20,27-19:2x4 SP No.2 |
| OTHERS        | 2x4 SP No.3                                  |

|                |   |
|----------------|---|
| <b>BRACING</b> |   |
| TOP CHORD      | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD      | Rigid ceiling directly applied or 6-0-0 oc bracing.                                   |
| WEBS           | 1 Row at midpt 19-20, 21-36, 22-37  |
| JOINTS         | 1 Brace at Jt(s): 37, 38, 39, 40, 41, 43, 45  |

|                  |            |  |
|------------------|------------|--|
| <b>REACTIONS</b> | (size)     | 2=0-3-0, 20= Mechanical, 32=0-3-8            |
|                  | Max Horiz  | 2=404 (LC 11)                                |
|                  | Max Uplift | 20=117 (LC 12), 32=164 (LC 12)               |
|                  | Max Grav   | 2=224 (LC 20), 20=653 (LC 1), 32=1037 (LC 1) |

|               |  |
|---------------|--|
| <b>FORCES</b> | (lb) - Maximum Compression/Maximum Tension   |
| TOP CHORD     | 1-2=0/23, 2-3=396/238, 3-4=371/233, 4-5=346/235, 5-6=320/223, 6-7=578/20, 7-8=576/44, 8-9=560/70, 9-10=541/92, 10-12=554/139, 12-13=565/192, 13-14=547/212, 14-15=536/238, 15-16=528/263, 16-17=520/289, 17-18=515/320, 18-19=504/257, 19-20=451/244 |
| BOT CHORD     | 2-35=238/155, 34-35=238/147, 33-34=238/147, 32-33=238/147, 31-32=238/147, 30-31=238/147, 29-30=238/147, 28-29=238/147, 26-28=238/164, 25-26=145/164, 24-25=145/164, 23-24=145/164, 22-23=145/164, 21-22=145/164, 20-21=145/164                       |

|             |   |
|-------------|---|
| <b>WEBS</b> | 6-32=551/115, 6-46=65/530, 45-46=70/547, 44-45=67/536, 43-44=62/522, 42-43=69/538, 27-42=68/554, 12-27=271/106, 27-41=267/754, 40-41=249/690, 39-40=255/711, 38-39=256/719, 37-38=262/727, 36-37=263/749, 19-36=269/744, 18-36=169/162, 21-36=155/141, 17-37=53/53, 22-37=26/36, 16-38=61/41, 23-38=50/46, 15-39=63/42, 24-39=53/39, 14-40=62/41, 25-40=34/33, 13-41=34/30, 26-41=116/53, 11-42=0/49, 10-43=130/66, 28-43=178/88, 9-44=41/33, 29-44=0/25, 8-45=60/43, 30-45=29/36, 7-46=81/40, 31-46=130/54, 5-33=96/47, 4-34=46/39, 3-35=65/41 |
|-------------|---|

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 5) Gable studs spaced at 1'-4" oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00" tall by 2'-00"-00" wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 20 and 164 lb uplift at joint 32.
- LOAD CASE(S)** Standard



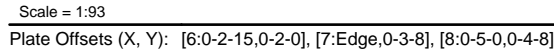
April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute ([www.tpinst.org](http://www.tpinst.org)) and **BCSI Building Component Safety Information** available from the Structural Building Component Association ([www.sbcacomponents.com](http://www.sbcacomponents.com))

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Builders FirstSource (Apex, NC), Apex, NC - 27523, Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:44 Page: 1  
ID:s6wwhLP8g4eruTwOS1f8RtyJ?mM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWRCDoI7J4zJC?f



**LUMBER**  
TOP CHORD 2x4 SP No.1 "Except" 1-4:2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.3 "Except" 6-7:2x4 SP No.1,  
8-6:2x4 SP No.2

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or  
4-3-12 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc  
bracing.  
WEBS 1 Row at midpt 6-7, 6-8

**REACTIONS** (size) 2=0-3-0, 7= Mechanical, 9=0-3-8  
Max Horiz 2=404 (LC 11)  
Max Uplift 7=120 (LC 12), 9=154 (LC 12)  
Max Grav 2=234 (LC 20), 7=738 (LC 19),  
9=1028 (LC 1)

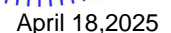
**FORCES** (lb) - Maximum Compression/Maximum  
Tension  
TOP CHORD 1-2=0/23, 2-3=-370/256, 3-5=-685/105,  
5-6=-672/293, 6-7=-572/282  
BOT CHORD 2-9=-240/145, 7-9=-240/166  
WEBS 3-9=-837/278, 3-8=-53/527, 5-8=-582/347,  
6-8=-256/718

- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 7 and 154 lb uplift at joint 9.

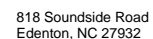
**LOAD CASE(S)** Standard

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)  
Vasd=95mph; TCdL=6.0psf; BCdL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



Design valid for use only with MiTeTe® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute ([www.tpinst.org](http://www.tpinst.org)) and **BCSI Building Component Safety Information** available from the Structural Building Components Association ([www.sbcacomponents.com](http://www.sbcacomponents.com))



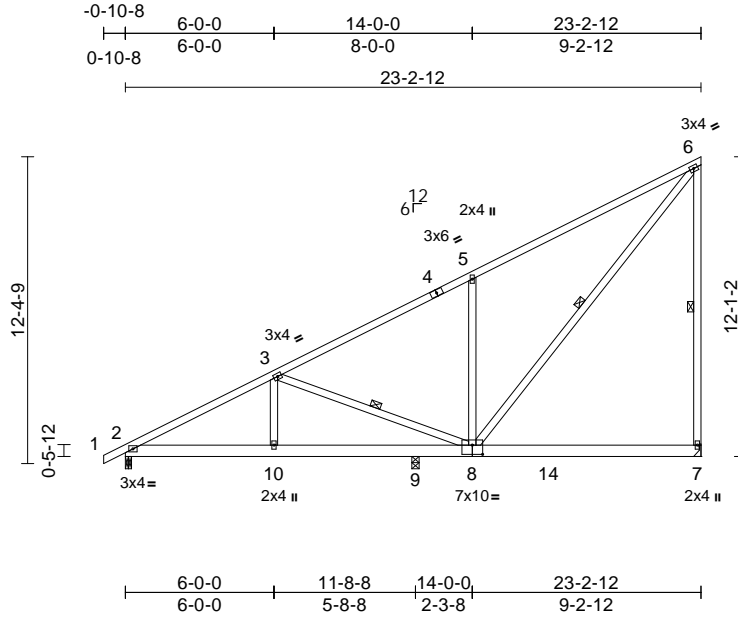
|                          |       |             |     |     |                                      |
|--------------------------|-------|-------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type  | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | B03   | Jack-Closed | 3   | 1   | 172856725                            |
| Job Reference (optional) |       |             |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:44

Page: 1

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Scale = 1:93

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.89 | Vert(LL) | -0.12 | 7-8   | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.59 | Vert(CT) | -0.22 | 7-8   | >621   | 240 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.58 | Horz(CT) | 0.01  | 7     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.05  | 7-8   | >999   | 240 | Weight: 159 lb | FT = 20% |

#### LUMBER

|           |  |
|-----------|--|
| TOP CHORD | 2x4 SP No.1 *Except* 1-4:2x4 SP No.2     |
| BOT CHORD | 2x6 SP No.2                              |
| WEBS      | 2x4 SP No.3 *Except* 6-7,8-6:2x4 SP No.2 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 1-7-8 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.            |

WEBS 1 Row at midpt 3-8, 6-7, 6-8

|            |   |
|------------|---|
| REACTIONS  | (size) 2=0-3-0, 7= Mechanical, 9=0-3-8      |
| Max Horiz  | 2=400 (LC 12)                               |
| Max Uplift | 2=-3 (LC 12), 7=-184 (LC 12), 9=-47 (LC 12) |
| Max Grav   | 2=808 (LC 1), 7=835 (LC 2), 9=342 (LC 1)    |

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/23, 2-3=-1214/0, 3-5=-730/0, 5-6=-776/142

BOT CHORD 2-10=-335/1031, 9-10=-335/1031, 7-9=-335/1031

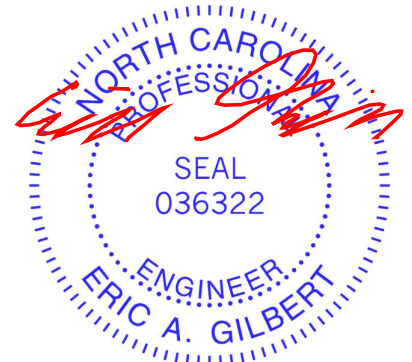
WEBS 3-10=0/179, 3-8=-506/165, 5-8=-605/346, 6-7=-653/265, 6-8=-294/951

#### NOTES

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 2, 184 lb uplift at joint 7 and 47 lb uplift at joint 9.

LOAD CASE(S) Standard



April 18, 2025

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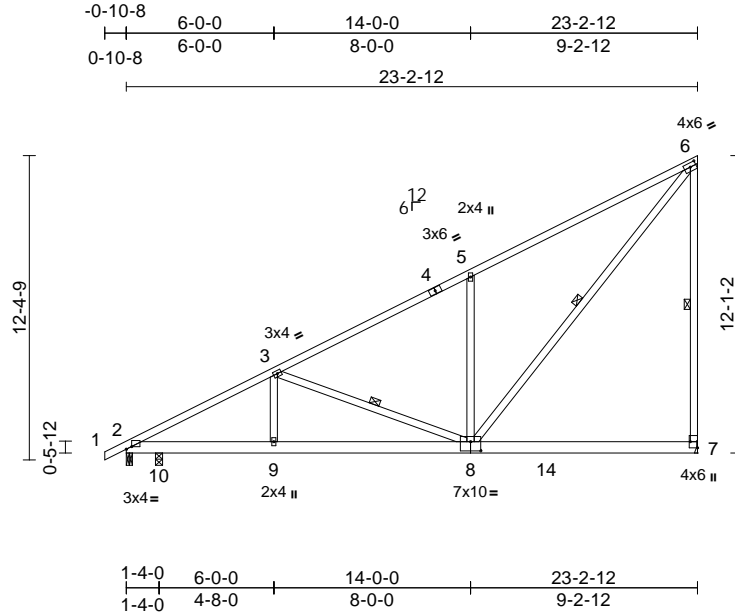
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | B04   | Monopitch  | 5   | 1   | Job Reference (optional)             |
|         |       |            |     |     | I72856726                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:45  
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Page: 1



Scale = 1:93.7

Plate Offsets (X, Y): [2:0-2-11,0-1-4], [6:0-2-15,0-2-0], [7:Edge,0-3-8], [8:0-5-0,0-4-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d  | PLATES | GRIP                    |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|------|--------|-------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.82 | Vert(LL) | -0.11 | 7-8    | >999 | 360    | MT20                    |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.46 | Vert(CT) | -0.18 | 7-8    | >999 | 240    | 244/190                 |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.56 | Horz(CT) | 0.02  | 7      | n/a  | n/a    |                         |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.05  | 8-9    | >999 | 240    | Weight: 159 lb FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.1 \*Except\* 1-4:2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.3 \*Except\* 6-7:2x4 SP No.1, 8-6:2x4 SP No.2

#### BRACING

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

WEBS 1 Row at midpt 6-7, 3-8, 6-8

**REACTIONS** (size) 2=0-3-0, 7= Mechanical, 10=0-3-8  
Max Horiz 2=404 (LC 11)  
Max Uplift 7=155 (LC 12), 10=80 (LC 12)  
Max Grav 2=607 (LC 1), 7=957 (LC 19), 10=393 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/23, 2-3=-1462/185, 3-5=-970/175, 5-6=-1007/363, 6-7=-821/326

BOT CHORD 2-10=-459/1245, 9-10=-459/1245, 7-9=-459/1245

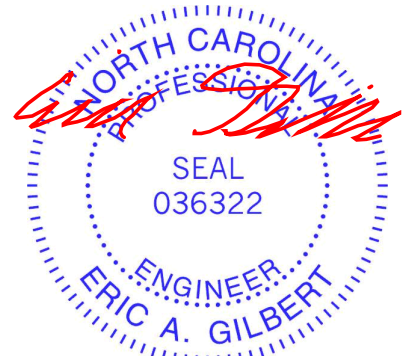
WEBS 3-9=0/188, 3-8=-503/160, 5-8=-588/349, 6-8=-358/1239

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06-00 tall by 2'-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 7 and 80 lb uplift at joint 10.

**LOAD CASE(S)** Standard



April 18, 2025

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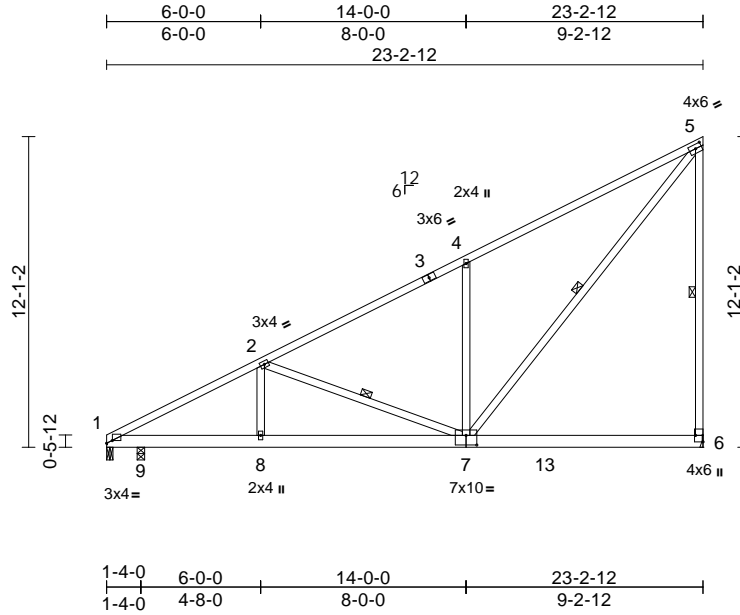
818 Soundside Road  
Edenton, NC 27932

|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | B05   | Monopitch  | 1   | 1   | 172856727                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:45  
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Page: 1



Scale = 1:89.7

Plate Offsets (X, Y): [1:0-2-11,0-1-4], [5:0-2-15,0-2-0], [6:Edge,0-3-8], [7:0-5-0,0-4-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.82 | Vert(LL) | -0.11 | 6-7   | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.46 | Vert(CT) | -0.18 | 6-7   | >999   | 240 |                |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.56 | Horz(CT) | 0.02  | 6     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.05  | 7-8   | >999   | 240 | Weight: 157 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.1 \*Except\* 1-3:2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.3 \*Except\* 5-6:2x4 SP No.1, 7-5:2x4 SP No.2

#### BRACING

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

WEBS 1 Row at midpt 5-6, 2-7, 5-7

**REACTIONS** (size) 1=0-3-0, 6= Mechanical, 9=0-3-8  
Max Horiz 1=397 (LC 11)  
Max Uplift 6=155 (LC 12), 9=86 (LC 12)  
Max Grav 1=536 (LC 1), 6=957 (LC 19), 9=411 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1461/185, 2-4=-970/175, 4-5=-1007/363, 5-6=-821/326

BOT CHORD 1-9=-459/1244, 8-9=-459/1244, 6-8=-459/1244

WEBS 2-8=0/188, 2-7=-503/160, 4-7=-588/349, 5-7=-358/1238

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 6 and 86 lb uplift at joint 9.

**LOAD CASE(S)** Standard



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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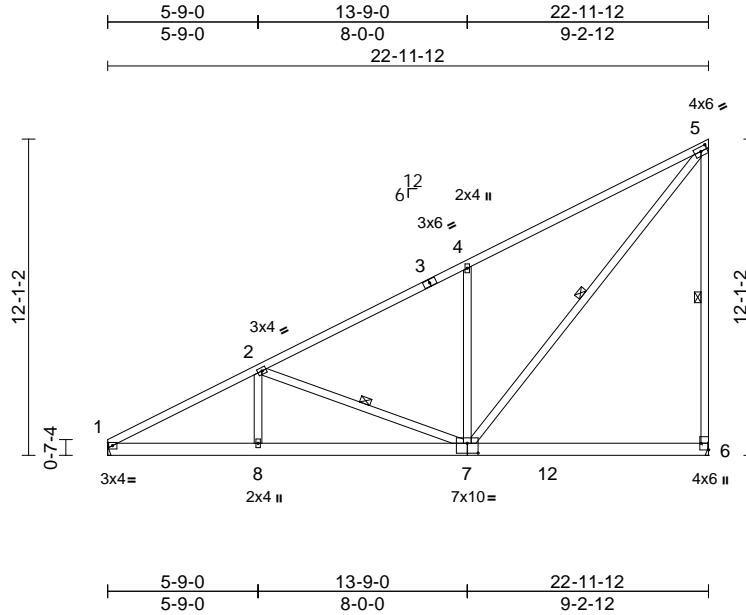
|                          |       |             |     |     |                                      |
|--------------------------|-------|-------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type  | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | B06   | Jack-Closed | 10  | 1   | I72856728                            |
| Job Reference (optional) |       |             |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Scale = 1:88.1

Plate Offsets (X, Y): [5:0-2-15,0-2-0], [6:Edge,0-3-8], [7:0-5-0,0-4-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.83 | Vert(LL) | -0.11 | 6-7   | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.44 | Vert(CT) | -0.18 | 6-7   | >999   | 240 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.56 | Horz(CT) | 0.02  | 6     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.05  | 6-7   | >999   | 240 | Weight: 156 lb | FT = 20% |

#### LUMBER

|           |   |
|-----------|---|
| TOP CHORD | 2x4 SP No.1 *Except* 1-3:2x4 SP No.2                  |
| BOT CHORD | 2x6 SP No.2   |
| WEBS      | 2x4 SP No.3 *Except* 5-6:2x4 SP No.1, 7-5:2x4 SP No.2 |

- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 6 and 10 lb uplift at joint 1.

LOAD CASE(S) Standard

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.              |
| WEBS      | 1 Row at midpt 5-6, 2-7, 5-7                                      |

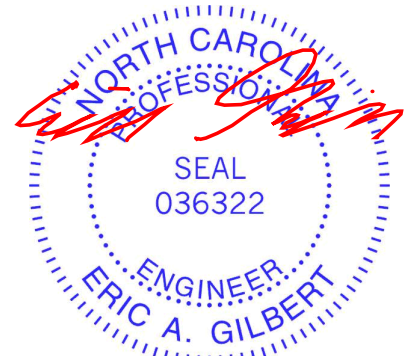
|            |                                     |
|------------|-------------------------------------|
| REACTIONS  | (size) 1= Mechanical, 6= Mechanical |
| Max Horiz  | 1=396 (LC 11)                       |
| Max Uplift | 1=-10 (LC 12), 6=-62 (LC 9)         |
| Max Grav   | 1=913 (LC 1), 6=970 (LC 19)         |

#### FORCES

|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension               |
| TOP CHORD | 1-2=-1564/221, 2-4=-984/181, 4-5=-1024/370, 5-6=-833/332 |
| BOT CHORD | 1-8=-505/1340, 6-8=-505/1340                             |
| WEBS      | 2-8=0/237, 2-7=-589/201, 4-7=-587/348, 5-7=-367/1263     |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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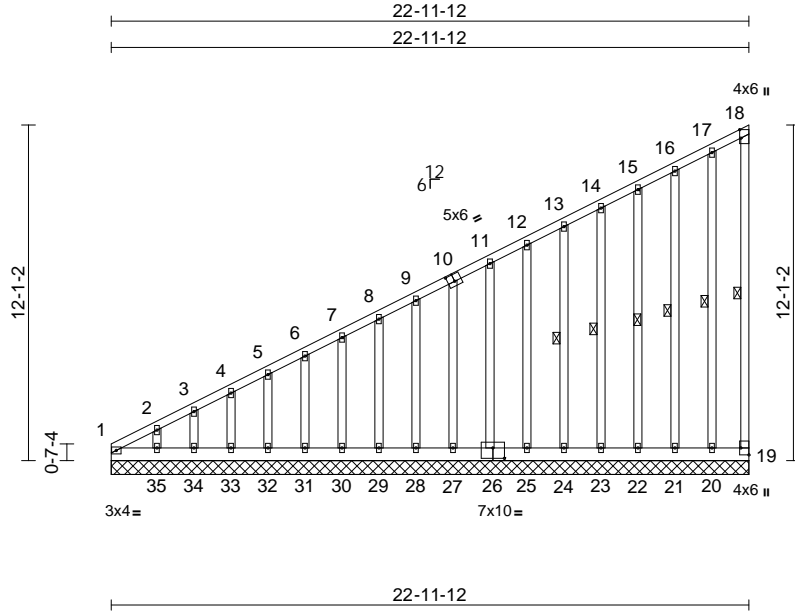
818 Soundside Road  
Edenton, NC 27932

|                          |       |                           |     |     |                                      |
|--------------------------|-------|---------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type                | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | B07   | Monopitch Supported Gable | 1   | 1   | 172856729                            |
| Job Reference (optional) |       |                           |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:45  
ID:Q5S2xfQ8kBgORa18xywvHyJ?UF-RfC?PsB70Hq3NSgPqnL8w3uTXbGKwRCDoi7J4zJC?f

Page: 1



Scale = 1:83

Plate Offsets (X, Y): [10:0-3-0,0-3-0], [18:0-3-11,Edge], [19:Edge,0-3-8], [26:0-5-0,0-4-8]

| Loading                 | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|-------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)             | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.70 | Vert(LL)  | n/a   | -      | n/a | 999    | 244/190 |
| TCDL                    | 10.0  | Lumber DOL      | 1.15            | BC        | 0.17 | Vert(TL)  | n/a   | -      | n/a | 999    |         |
| BCLL                    | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horiz(TL) | 0.00  | 19     | n/a | n/a    |         |
| BCDL                    | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 245 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x6 SP No.2 |
| WEBS      | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS      | 1 Row at midpt 18-19, 17-20, 16-21, 15-22, 14-23, 13-24                               |

#### REACTIONS (size)

|  |
|--|
| 1=22-11-12, 19=22-11-12, 20=22-11-12, 21=22-11-12, 22=22-11-12, 23=22-11-12, 24=22-11-12, 25=22-11-12, 26=22-11-12, 27=22-11-12, 28=22-11-12, 29=22-11-12, 30=22-11-12, 31=22-11-12, 32=22-11-12, 33=22-11-12, 34=22-11-12, 35=22-11-12  |
| Max Horiz 1=396 (LC 11)  |
| Max Uplift 1=-2 (LC 10), 19=-103 (LC 11), 20=-82 (LC 12), 21=-36 (LC 9), 22=-38 (LC 12), 23=-21 (LC 12), 24=-25 (LC 12), 25=-24 (LC 12), 26=-25 (LC 12), 27=-22 (LC 12), 28=-24 (LC 12), 29=-24 (LC 12), 30=-24 (LC 12), 31=-24 (LC 12), 32=-23 (LC 12), 33=-29 (LC 12), 34=-3 (LC 12), 35=-93 (LC 12) |

#### FORCES

|   |
|---|
| (lb) - Maximum Compression/Maximum Tension  |
| TOP CHORD 1-2=-566/288, 2-3=-528/272, 3-4=-503/264, 4-5=-475/254, 5-6=-448/244, 6-7=-420/235, 7-8=-393/225, 8-9=-365/216, 9-11=-337/206, 11-12=-282/187, 12-13=-256/178, 13-14=-228/168, 14-15=-200/159, 15-16=-177/151, 16-17=-167/149, 17-18=-98/99, 18-19=-98/106  |
| BOT CHORD 1-35=-319/212, 34-35=-151/167, 33-34=-151/167, 32-33=-151/167, 31-32=-151/167, 30-31=-151/167, 29-30=-151/167, 28-29=-151/167, 27-28=-151/167, 25-27=-152/167, 24-25=-152/167, 23-24=-152/167, 22-23=-152/167, 21-22=-152/167, 20-21=-152/167, 19-20=-152/167, 17-20=-160/141, 16-21=-83/49, 15-22=-80/52, 14-23=-80/46, 13-24=-80/46, 12-25=-80/45, 11-26=-80/48, 10-27=-80/45, 9-28=-80/46, 8-29=-80/46, 7-30=-80/46, 6-31=-80/46, 5-32=-80/46, 4-33=-80/47, 3-34=-79/42, 2-35=-85/69 |
| WEBS  |

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.



April 18,2025

Continued on page 2

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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|         |       |                           |     |     |                                      |
|---------|-------|---------------------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type                | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | B07   | Monopitch Supported Gable | 1   | 1   | I72856729                            |
|         |       |                           |     |     | Job Reference (optional)             |

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 19, 2 lb uplift at joint 1, 82 lb uplift at joint 20, 36 lb uplift at joint 21, 38 lb uplift at joint 22, 21 lb uplift at joint 23, 25 lb uplift at joint 24, 24 lb uplift at joint 25, 25 lb uplift at joint 26, 22 lb uplift at joint 27, 24 lb uplift at joint 28, 24 lb uplift at joint 29, 24 lb uplift at joint 30, 24 lb uplift at joint 31, 23 lb uplift at joint 32, 29 lb uplift at joint 33, 3 lb uplift at joint 34, 93 lb uplift at joint 35 and 2 lb uplift at joint 1.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 36.

LOAD CASE(S) Standard

**⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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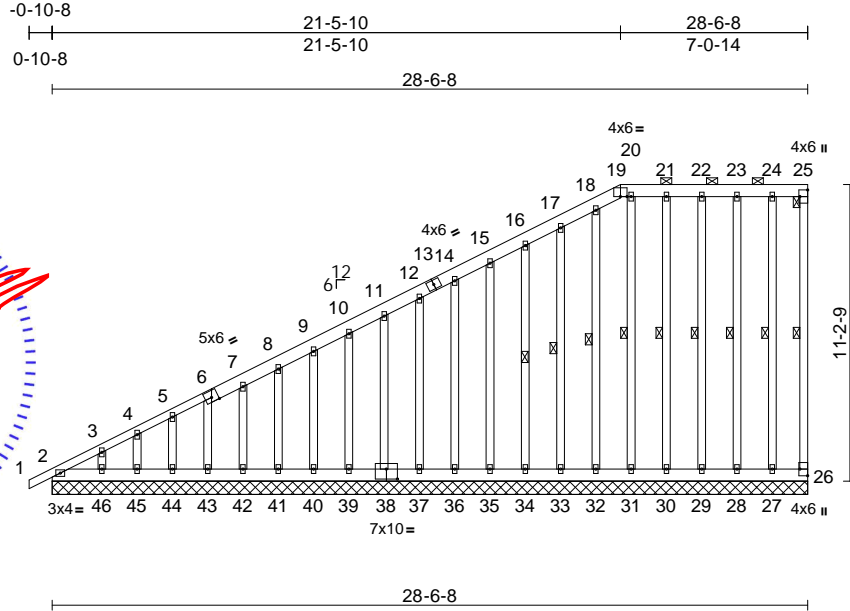
818 Soundside Road  
Edenton, NC 27932

|                          |       |                                |     |     |                                      |
|--------------------------|-------|--------------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type                     | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | C01   | Piggyback Base Supported Gable | 1   | 1   | 172856730                            |
| Job Reference (optional) |       |                                |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:46  
ID:u7g7WdBrNkgFbCU?Q8PORlyJ?GM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKwRCDoI7J4zJC?f

Page: 1



Scale = 1:87.1

Plate Offsets (X, Y): [25:Edge,0-3-8], [26:Edge,0-3-8], [38:0-5-0,0-4-8]

| Loading                 | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d | PLATES | GRIP    |
|-------------------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|-----|--------|---------|
| TCLL (roof)             | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.57 | Vert(LL) | n/a   | -      | 999 | MT20   | 244/190 |
| TCDL                    | 10.0  | Lumber DOL      | 1.15            | BC        | 0.14 | Vert(CT) | n/a   | -      | 999 |        |         |
| BCLL                    | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horz(CT) | 0.00  | 26     | n/a |        |         |
| BCDL                    | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |          |       |        |     |        |         |
| Weight: 344 lb FT = 20% |       |                 |                 |           |      |          |       |        |     |        |         |

#### LUMBER

|           |                                      |
|-----------|--------------------------------------|
| TOP CHORD | 2x6 SP No.2 *Except* 6-1:2x4 SP No.2 |
| BOT CHORD | 2x6 SP No.2                          |
| WEBS      | 2x4 SP No.2                          |
| OTHERS    | 2x4 SP No.3                          |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 19-25. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing, Except:  |
| WEBS      | 6-0-0 oc bracing: 2-46,45-46,44-45,43-44, 22-29, 21-30, 20-31, 18-32, 17-33, 16-34  |

|                  |  |
|------------------|--|
| REACTIONS (size) | 2=28-6-8, 26=28-6-8, 27=28-6-8, 28=28-6-8, 29=28-6-8, 30=28-6-8, 31=28-6-8, 32=28-6-8, 33=28-6-8, 34=28-6-8, 35=28-6-8, 36=28-6-8, 37=28-6-8, 38=28-6-8, 39=28-6-8, 40=28-6-8, 41=28-6-8, 42=28-6-8, 43=28-6-8, 44=28-6-8, 45=28-6-8, 46=28-6-8  |
| Max Horiz        | 2=374 (LC 11)  |
| Max Uplift       | 26=53 (LC 11), 27=102 (LC 8), 28=58 (LC 9), 29=24 (LC 8), 30=18 (LC 9), 31=30 (LC 9), 32=18 (LC 9), 33=24 (LC 12), 34=26 (LC 12), 35=24 (LC 12), 36=24 (LC 12), 37=23 (LC 12), 38=26 (LC 12), 39=22 (LC 12), 40=24 (LC 12), 41=22 (LC 12), 42=21 (LC 12), 43=19 (LC 12), 44=36 (LC 12), 45=16 (LC 12), 46=47 (LC 12) |

|          |  |
|----------|--|
| Max Grav | 2=188 (LC 20), 26=47 (LC 21), 27=163 (LC 22), 28=110 (LC 24), 29=110 (LC 24), 30=107 (LC 1), 31=106 (LC 1), 32=107 (LC 1), 33=107 (LC 1), 34=107 (LC 1), 35=107 (LC 1), 36=107 (LC 1), 37=105 (LC 1), 38=107 (LC 1), 39=108 (LC 1), 40=107 (LC 1), 41=106 (LC 1), 42=102 (LC 1), 43=109 (LC 1), 44=115 (LC 1), 45=96 (LC 1), 46=134 (LC 1) |
|----------|--|

#### FORCES

|           |   |
|-----------|---|
| TOP CHORD | (lb) - Maximum Compression/Maximum Tension<br>1-2=0/23, 2-3=-514/262, 3-4=-484/249, 4-5=-458/241, 5-7=-423/228, 7-8=-375/210, 8-9=-349/201, 9-10=-321/191, 10-11=-294/182, 11-12=-266/173, 12-14=-239/163, 14-15=-212/154, 15-16=-184/144, 16-17=-165/135, 17-18=-156/135, 18-19=-142/148, 19-20=-133/148, 20-21=-133/148, 21-22=-133/148, 22-23=-133/148, 23-24=-133/148, 24-25=-133/148, 25-26=-121/128 |
| BOT CHORD | 2-46=-136/150, 45-46=-136/150, 44-45=-136/150, 43-44=-136/150, 42-43=-133/148, 41-42=-133/148, 40-41=-133/148, 39-40=-133/148, 37-39=-134/148, 36-37=-134/148, 35-36=-134/148, 34-35=-134/148, 33-34=-134/148, 32-33=-134/148, 31-32=-134/148, 30-31=-134/148, 29-30=-134/148, 28-29=-134/148, 27-28=-134/148, 26-27=-134/148   |

#### WEBS

|   |
|---|
| 24-27=-88/73, 23-28=-84/50, 22-29=-83/31, 21-30=-80/33, 20-31=-80/58, 18-32=-80/59, 17-33=-80/47, 16-34=-80/48, 15-35=-80/46, 14-36=-80/46, 12-37=-80/44, 11-38=-80/49, 10-39=-80/44, 9-40=-80/46, 8-41=-80/44, 7-42=-75/43, 6-43=-83/41, 5-44=-86/64, 4-45=-77/44, 3-46=-84/52 |
|---|

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 (||) MT20 unless otherwise indicated.

April 18,2025

Continued on page 2

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|         |       |                                |     |     |                                      |
|---------|-------|--------------------------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type                     | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | C01   | Piggyback Base Supported Gable | 1   | 1   | I72856730                            |
|         |       |                                |     |     | Job Reference (optional)             |

- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 26, 102 lb uplift at joint 27, 58 lb uplift at joint 28, 24 lb uplift at joint 29, 18 lb uplift at joint 30, 30 lb uplift at joint 31, 18 lb uplift at joint 32, 24 lb uplift at joint 33, 26 lb uplift at joint 34, 24 lb uplift at joint 35, 24 lb uplift at joint 36, 23 lb uplift at joint 37, 26 lb uplift at joint 38, 22 lb uplift at joint 39, 24 lb uplift at joint 40, 22 lb uplift at joint 41, 21 lb uplift at joint 42, 19 lb uplift at joint 43, 36 lb uplift at joint 44, 16 lb uplift at joint 45 and 47 lb uplift at joint 46.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

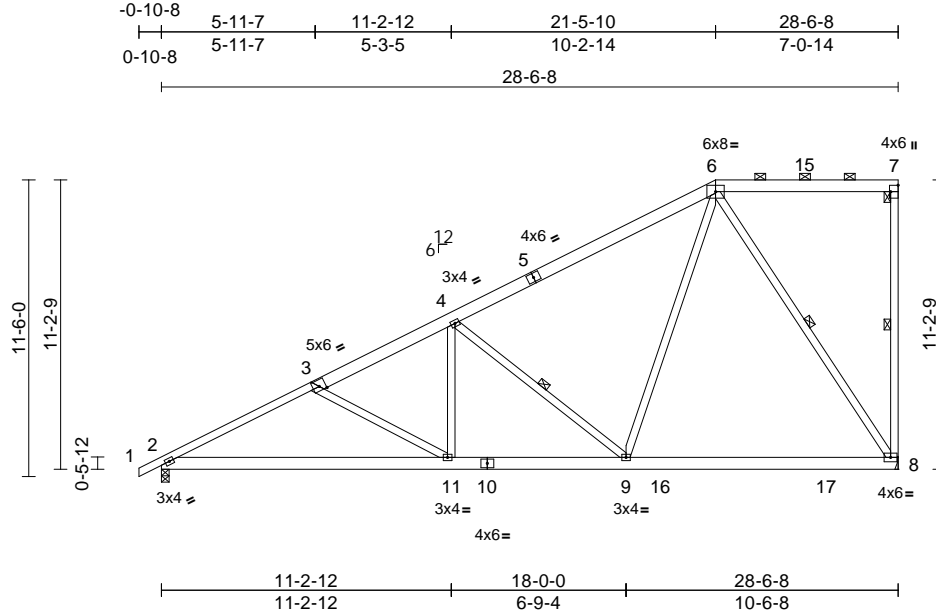
LOAD CASE(S) Standard

|         |       |                |     |     |                                      |
|---------|-------|----------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type     | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | C02   | Piggyback Base | 9   | 1   | Job Reference (optional)             |
|         |       |                |     |     | I72856731                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:46  
ID:p99l5FBjwqD18Se23CQxaFyJ?Hf-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:89.3

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d  | PLATES | GRIP                    |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|------|--------|-------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.60 | Vert(LL) | -0.18 | 8-9    | >999 | 360    | MT20                    |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.62 | Vert(CT) | -0.31 | 8-9    | >999 | 240    | 244/190                 |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.76 | Horz(CT) | 0.04  | 8      | n/a  | n/a    |                         |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.06  | 11-14  | >999 | 240    | Weight: 214 lb FT = 20% |

#### LUMBER

|           |  |
|-----------|--|
| TOP CHORD | 2x6 SP No.2 *Except* 3-1:2x4 SP No.2     |
| BOT CHORD | 2x6 SP No.2                              |
| WEBS      | 2x4 SP No.3 *Except* 7-8,8-6:2x4 SP No.2 |

#### BRACING

|           |  |
|-----------|--|
| TOP CHORD | Structural wood sheathing directly applied or 3-7-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7. |
| BOT CHORD | Rigid ceiling directly applied or 9-3-13 oc bracing.   |
| WEBS      | 1 Row at midpt 7-8, 6-8, 4-9   |

#### REACTIONS

|            |                                |
|------------|--------------------------------|
| (size)     | 2=0-3-8, 8= Mechanical         |
| Max Horiz  | 2=374 (LC 11)                  |
| Max Uplift | 2=-112 (LC 12), 8=-123 (LC 12) |
| Max Grav   | 2=1189 (LC 1), 8=1146 (LC 2)   |

#### FORCES

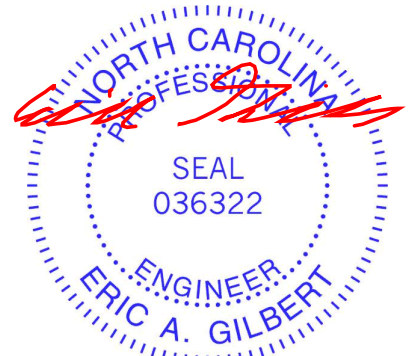
|  |   |
|--|---|
| (lb) - Maximum Compression/Maximum Tension |   |
| TOP CHORD                                  | 1-2=0/23, 2-4=-1978/334, 4-6=-1048/254, 6-7=-139/148, 7-8=-192/88   |
| BOT CHORD                                  | 2-11=-614/1711, 9-11=-499/1484, 8-9=-257/566                        |
| WEBS                                       | 6-8=-1035/326, 4-11=0/433, 4-9=-880/291, 6-9=-96/848, 3-11=-263/133 |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 8 and 112 lb uplift at joint 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



April 18,2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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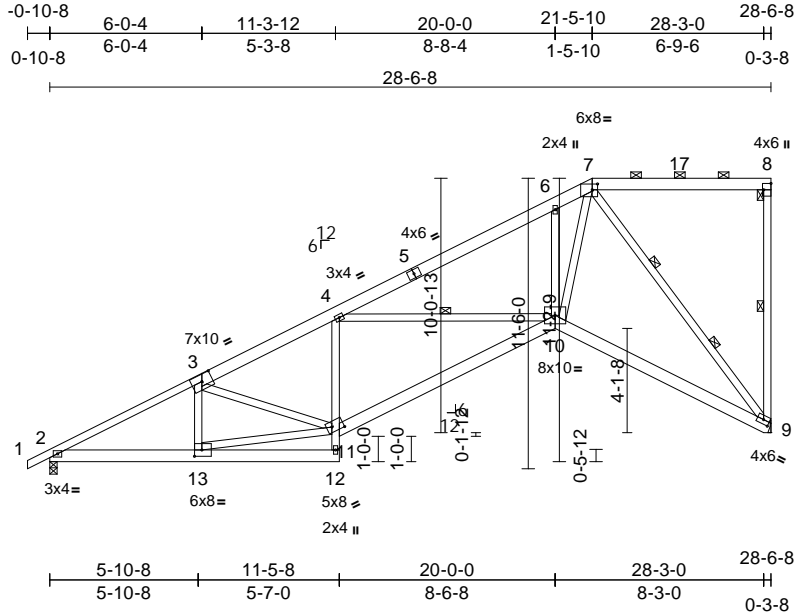
818 Soundside Road  
Edenton, NC 27932

|         |       |                |     |     |                                      |           |
|---------|-------|----------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type     | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856732 |
| 4404935 | C03   | Piggyback Base | 8   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Page: 1



Scale = 1:91.2

Plate Offsets (X, Y): [3:0-5-0,0-3-4], [7:0-2-8,0-2-12], [8:Edge,0-3-8], [9:0-2-15,0-2-0], [11:0-5-8,0-2-8], [13:0-3-8,0-3-0]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.80 | Vert(LL) | -0.11 | 10-11 | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.54 | Vert(CT) | -0.27 | 10-11 | >999   | 240 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.82 | Horz(CT) | 0.15  | 9     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.08  | 12    | >999   | 240 | Weight: 226 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x6 SP No.2 \*Except\* 1-3:2x4 SP No.2  
BOT CHORD 2x6 SP No.2  
WEBS 2x4 SP No.3 \*Except\* 7-9:2x4 SP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.  
BOT CHORD Rigid ceiling directly applied or 8-11-3 oc bracing.

WEBS 1 Row at midpt 8-9, 4-10  
WEBS 2 Rows at 1/3 pts 7-9

**REACTIONS** (size) 2=0-3-8, 9= Mechanical  
Max Horiz 2=358 (LC 9)  
Max Uplift 2=-112 (LC 12), 9=-123 (LC 12)  
Max Grav 2=1189 (LC 1), 9=1135 (LC 1)

#### FORCES

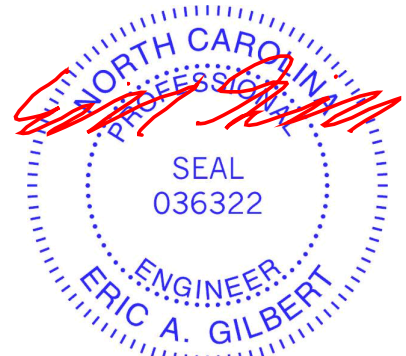
(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/23, 2-4=-2066/353, 4-6=-1791/359, 6-7=-1729/475, 7-8=-125/134, 8-9=-189/92  
BOT CHORD 2-13=-572/1782, 12-13=-12/42, 10-11=-661/1970, 9-10=-451/1135  
WEBS 11-12=0/92, 4-11=-372/250, 3-13=-193/163, 6-10=-378/284, 7-9=-1670/550, 4-10=-288/231, 7-10=-618/1983, 11-13=-576/1779, 3-11=-99/48

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 9 and 112 lb uplift at joint 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard



April 18, 2025

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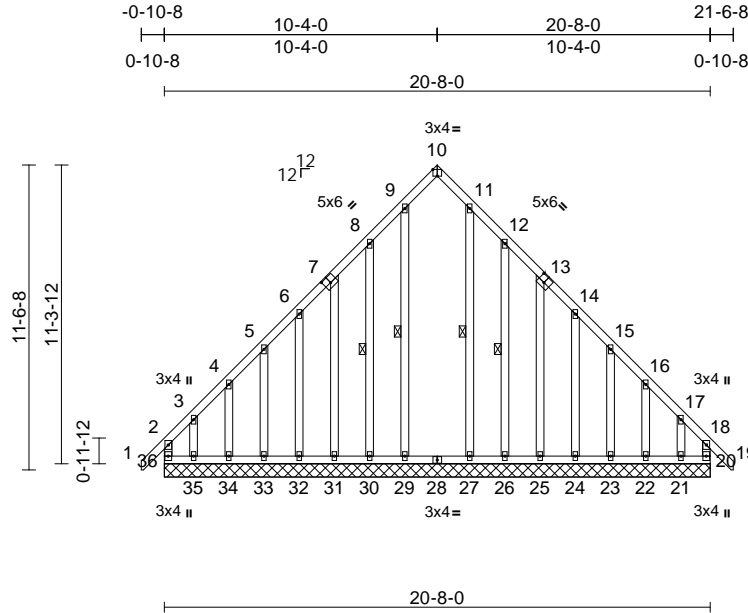
|                          |       |                        |     |     |                                      |
|--------------------------|-------|------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type             | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | G01   | Common Supported Gable | 1   | 1   | 172856733                            |
| Job Reference (optional) |       |                        |     |     |                                      |

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Scale = 1:87.3

Plate Offsets (X, Y): [7:0-3-0,0-3-0], [10:0-2-0,Edge], [13:0-3-0,0-3-0]

| Loading                 | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d | PLATES | GRIP    |
|-------------------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|-----|--------|---------|
| TCLL (roof)             | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.28 | Vert(LL) | n/a   | -      | n/a | 999    | MT20    |
| TCDL                    | 10.0  | Lumber DOL      | 1.15            | BC        | 0.18 | Vert(CT) | n/a   | -      | n/a | 999    | 244/190 |
| BCLL                    | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horz(CT) | 0.01  | 20     | n/a | n/a    |         |
| BCDL                    | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MR |      |          |       |        |     |        |         |
| Weight: 195 lb FT = 20% |       |                 |                 |           |      |          |       |        |     |        |         |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS      | 2x4 SP No.3 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS      | 1 Row at midpt 9-29, 11-27, 8-30, 12-26   |

#### REACTIONS

|            |  |
|------------|--|
| (size)     | 20=20-8-0, 21=20-8-0, 22=20-8-0, 23=20-8-0, 24=20-8-0, 25=20-8-0, 26=20-8-0, 27=20-8-0, 29=20-8-0, 30=20-8-0, 31=20-8-0, 32=20-8-0, 33=20-8-0, 34=20-8-0, 35=20-8-0, 36=20-8-0   |
| Max Horiz  | 36=264 (LC 11)   |
| Max Uplift | 20=-144 (LC 11), 21=-297 (LC 13), 22=-21 (LC 13), 23=-69 (LC 13), 24=-37 (LC 13), 25=-64 (LC 13), 26=-106 (LC 13), 30=-102 (LC 12), 31=-64 (LC 12), 32=-37 (LC 12), 33=-69 (LC 12), 34=-20 (LC 12), 35=-305 (LC 12), 36=-173 (LC 10)                         |
| Max Grav   | 20=406 (LC 13), 21=187 (LC 11), 22=117 (LC 1), 23=121 (LC 20), 24=101 (LC 20), 25=125 (LC 20), 26=107 (LC 24), 27=207 (LC 21), 29=215 (LC 22), 30=107 (LC 23), 31=124 (LC 19), 32=101 (LC 19), 33=122 (LC 19), 34=117 (LC 1), 35=203 (LC 10), 36=422 (LC 12) |

#### FORCES

(lb) - Maximum Compression/Maximum Tension

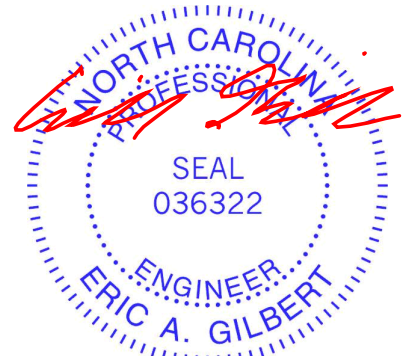
|           |   |
|-----------|---|
| TOP CHORD | 2-36=-297/185, 1-2=0/42, 2-3=-387/245, 3-4=-251/156, 4-5=-196/123, 5-6=-129/98, 6-8=-106/80, 8-9=-134/143, 9-10=-102/95, 10-11=-102/95, 11-12=-134/143, 12-14=-91/66, 14-15=-118/77, 15-16=-185/110, 16-17=-240/155, 17-18=-373/252, 18-19=0/42, 18-20=-286/191 |
| BOT CHORD | 35-36=-186/246, 34-35=-186/246, 33-34=-186/246, 32-33=-186/246, 31-32=-186/246, 30-31=-189/248, 29-30=-189/248, 27-29=-189/248, 26-27=-189/248, 25-26=-189/248, 24-25=-185/245, 23-24=-185/245, 22-23=-185/245, 21-22=-185/245, 20-21=-185/245                  |
| WEBS      | 9-29=-124/18, 11-27=-116/17, 8-30=-141/119, 7-31=-101/81, 6-32=-78/55, 5-33=-101/79, 4-34=-91/62, 3-35=-163/180, 12-26=-140/119, 13-25=-101/81, 14-24=-78/54, 15-23=-101/79, 16-22=-91/62, 17-21=-165/176   |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.

- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 36, 144 lb uplift at joint 20, 102 lb uplift at joint 30, 64 lb uplift at joint 31, 37 lb uplift at joint 32, 69 lb uplift at joint 33, 20 lb uplift at joint 34, 305 lb uplift at joint 35, 106 lb uplift at joint 26, 64 lb uplift at joint 25, 37 lb uplift at joint 24, 69 lb uplift at joint 23, 21 lb uplift at joint 22 and 297 lb uplift at joint 21.

LOAD CASE(S) Standard



April 18,2025

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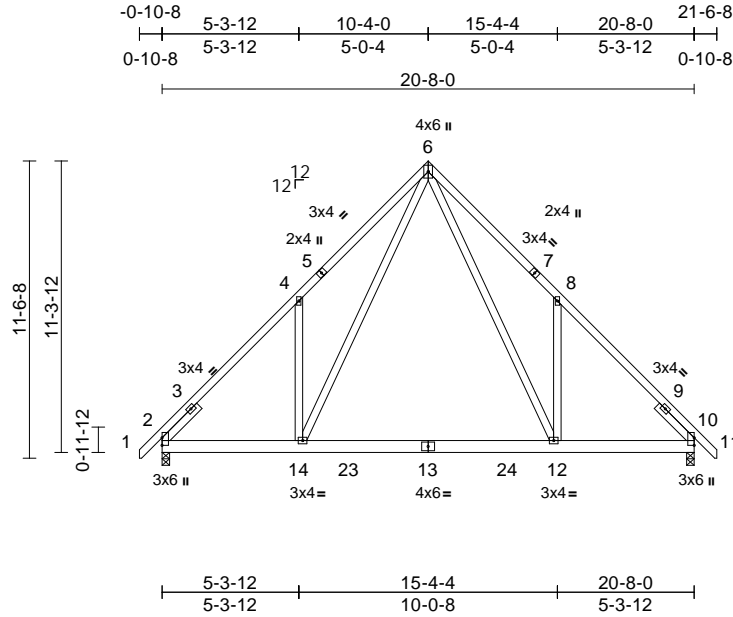
|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856734 |
| 4404935 | G02   | Common     | 5   | 1   | Job Reference (optional)             |           |

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|                |       |                 |                 |            |      |             |       |       |        |     |                |             |
|----------------|-------|-----------------|-----------------|------------|------|-------------|-------|-------|--------|-----|----------------|-------------|
| <b>Loading</b> | (psf) | <b>Spacing</b>  | 2-0-0           | <b>CSI</b> |      | <b>DEFL</b> | in    | (loc) | l/defl | L/d | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL (roof)    | 20.0  | Plate Grip DOL  | 1.15            | TC         | 0.29 | Vert(LL)    | -0.13 | 12-14 | >999   | 360 | MT20           | 244/190     |
| TCDL           | 10.0  | Lumber DOL      | 1.15            | BC         | 0.47 | Vert(CT)    | -0.22 | 12-14 | >999   | 240 |                |             |
| BCLL           | 0.0*  | Rep Stress Incr | YES             | WB         | 0.70 | Horz(CT)    | 0.02  | 10    | n/a    | n/a |                |             |
| BCDL           | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS  |      | Wind(LL)    | 0.02  | 14-17 | >999   | 240 | Weight: 153 lb | FT = 20%    |

#### LUMBER

|           |   |
|-----------|---|
| TOP CHORD | 2x4 SP No.2   |
| BOT CHORD | 2x6 SP No.2   |
| WEBS      | 2x4 SP No.3   |
| SLIDER    | Left 2x4 SP No.2 -- 1-11-12, Right 2x4 SP No.2 -- 1-11-12 |

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 2 and 34 lb uplift at joint 10.

**LOAD CASE(S)** Standard

#### BRACING

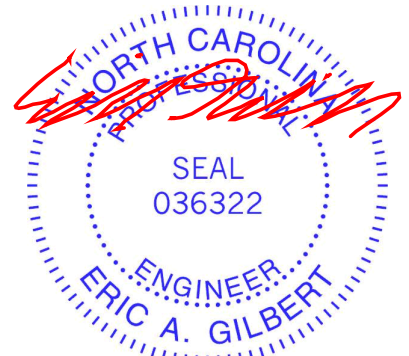
|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 5-7-7 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.            |

|                  |            |                               |
|------------------|------------|-------------------------------|
| <b>REACTIONS</b> | (size)     | 2=0-3-8, 10=0-3-8             |
|                  | Max Horiz  | 2=-240 (LC 10)                |
|                  | Max Uplift | 2=-34 (LC 12), 10=-34 (LC 13) |
|                  | Max Grav   | 2=877 (LC 1), 10=877 (LC 1)   |

|               |   |
|---------------|---|
| <b>FORCES</b> | (lb) - Maximum Compression/Maximum Tension                                      |
| TOP CHORD     | 1-2=0/35, 2-4=-990/121, 4-6=-1041/360, 6-8=-1041/360, 8-10=-990/121, 10-11=0/35 |
| BOT CHORD     | 2-14=-176/772, 12-14=0/486, 10-12=-43/673                                       |
| WEBS          | 6-12=-258/683, 8-12=-368/306, 6-14=-258/683, 4-14=-368/306                      |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



April 18, 2025

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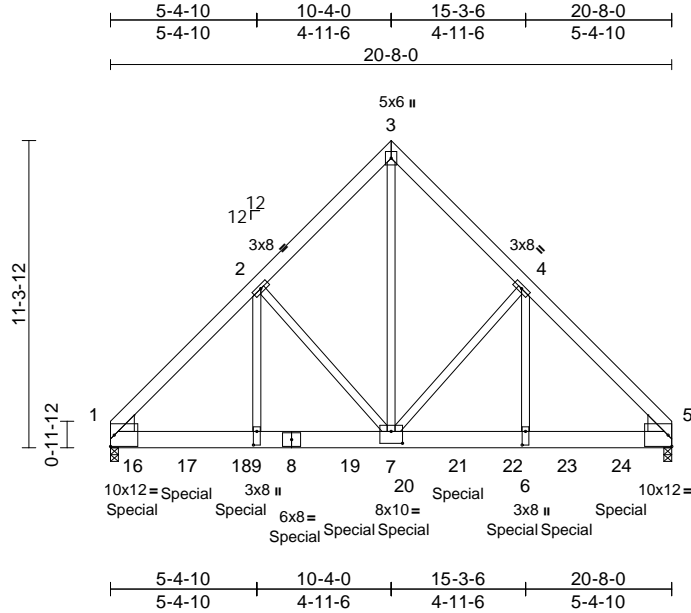
|                          |       |               |     |     |                                      |
|--------------------------|-------|---------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type    | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | G03   | Common Girder | 1   | 2   | 172856735                            |
| Job Reference (optional) |       |               |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Scale = 1:84.8

Plate Offsets (X, Y): [6:0-6-0,0-1-8], [7:0-5-0,0-5-4], [9:0-6-0,0-1-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d  | PLATES | GRIP                    |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|------|--------|-------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.15 | Vert(LL) | -0.06 | 6-7    | >999 | 360    | MT20                    |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.26 | Vert(CT) | -0.11 | 6-7    | >999 | 240    | 244/190                 |
| BCLL        | 0.0*  | Rep Stress Incr | NO              | WB        | 0.62 | Horz(CT) | 0.02  | 5      | n/a  | n/a    |                         |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.04  | 6-7    | >999 | 240    | Weight: 379 lb FT = 20% |

#### LUMBER

TOP CHORD 2x6 SP No.2  
 BOT CHORD 2x8 SP 2400F 2.0E or 2x8 SP DSS  
 WEBS 2x4 SP No.2  
 WEDGE Left: 2x8 SP No.2  
 Right: 2x8 SP No.2

#### BRACING

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

#### REACTIONS

(size) 1=0-3-8, 5=0-3-8  
 Max Horiz 1=222 (LC 5)  
 Max Uplift 1=140 (LC 9), 5=130 (LC 8)  
 Max Grav 1=5518 (LC 1), 5=5070 (LC 1)

#### FORCES

(lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=5630/205, 2-3=3917/252,  
 3-4=3915/252, 4-5=5595/204  
 BOT CHORD 1-9=216/3886, 7-9=165/3886,  
 6-7=76/3857, 5-6=76/3857  
 WEBS 3-7=239/5083, 4-7=1742/234,  
 4-6=20/2228, 2-7=1785/234, 2-9=20/2281

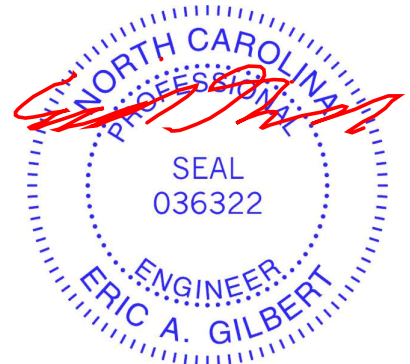
#### NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.  
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-10; Vult=120mph (3-second gust)  
 Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 140 lb uplift at joint 1 and 130 lb uplift at joint 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 895 lb down and 21 lb up at 0-10-0, 893 lb down and 22 lb up at 2-10-0, 893 lb down and 22 lb up at 4-10-0, 893 lb down and 22 lb up at 6-10-0, 893 lb down and 22 lb up at 8-10-0, 893 lb down and 22 lb up at 10-10-0, 893 lb down and 22 lb up at 12-10-0, 893 lb down and 22 lb up at 14-10-0, and 893 lb down and 22 lb up at 16-10-0, and 893 lb down and 22 lb up at 18-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (lb/ft)  
 Vert: 1-3=-60, 3-5=-60, 10-13=-20  
 Concentrated Loads (lb)  
 Vert: 8=-893 (F), 16=-895 (F), 17=-893 (F), 18=-893 (F), 19=-893 (F), 20=-893 (F), 21=-893 (F), 22=-893 (F), 23=-893 (F), 24=-893 (F)



April 18, 2025

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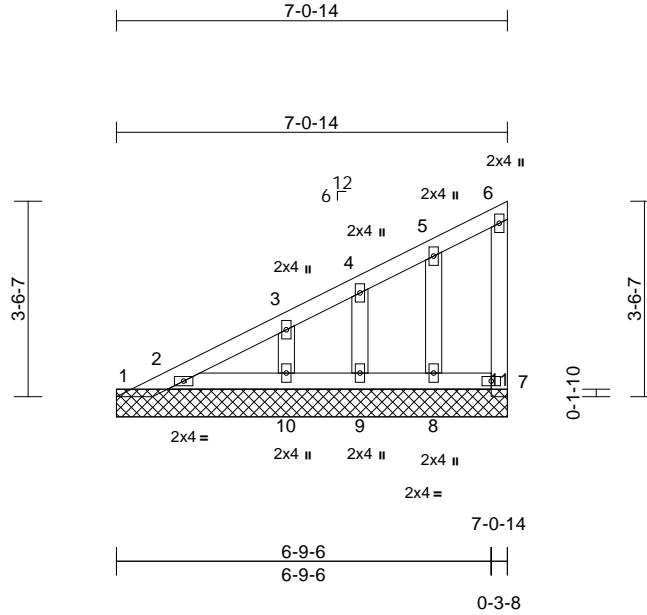
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | PB01  | Piggyback  | 2   | 1   | 172856736                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:48

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Scale = 1:41.7

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES        | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.08 | Vert(LL)  | n/a   | -      | 999 | MT20          | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.04 | Vert(TL)  | n/a   | -      | 999 |               |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.02 | Horiz(TL) | 0.00  | 7      | n/a |               |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     | Weight: 32 lb | FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS      | 2x4 SP No.3 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

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

#### REACTIONS

|            |   |
|------------|---|
| (size)     | 1=7-0-14, 2=7-0-14, 7=7-0-14, 8=7-0-14, 9=7-0-14, 10=7-0-14, 11=7-0-14            |
| Max Horiz  | 1=113 (LC 9)  |
| Max Uplift | 1=22 (LC 19), 2=6 (LC 12), 7=15 (LC 9), 8=28 (LC 12), 9=20 (LC 12), 10=35 (LC 12) |
| Max Grav   | 1=53 (LC 9), 2=160 (LC 1), 7=40 (LC 19), 8=112 (LC 1), 9=90 (LC 1), 10=157 (LC 1) |

#### FORCES

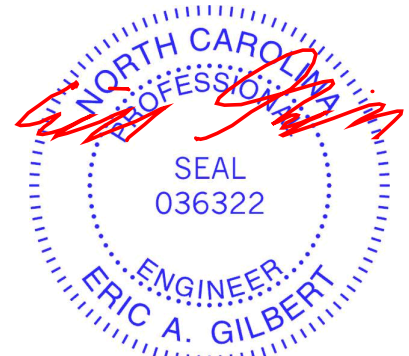
|  |  |
|--|--|
| (lb) - Maximum Compression/Maximum Tension |  |
| TOP CHORD                                  | 1-2=-252/165, 2-3=-161/92, 3-4=-119/70, 4-5=-86/61, 5-6=-46/41, 7-11=0/0, 6-7=-29/31 |
| BOT CHORD                                  | 2-10=-57/62, 9-10=-57/62, 8-9=-57/62, 7-8=-57/62                                     |
| WEBS                                       | 5-8=-82/73, 4-9=-73/62, 3-10=-106/77   |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 2, 7, 1, 11, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 2, 15 lb uplift at joint 7, 22 lb uplift at joint 1, 28 lb uplift at joint 8, 20 lb uplift at joint 9, 35 lb uplift at joint 10 and 6 lb uplift at joint 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



April 18, 2025

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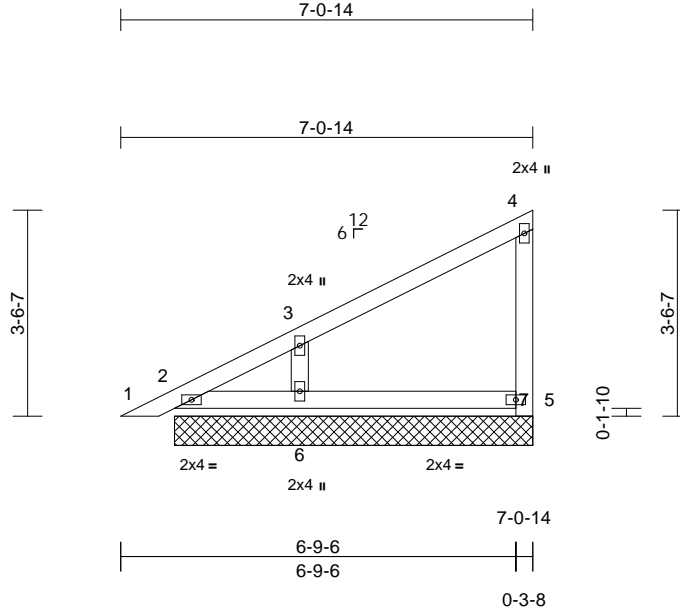
818 Soundside Road  
Edenton, NC 27932

|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | PB02  | Piggyback  | 24  | 1   | I72856737                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Page: 1



Scale = 1:39.6

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in       | (loc) | l/defl | L/d | PLATES | GRIP                   |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|--------|-----|--------|------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.17 | Vert(LL) | n/a   | -      | n/a | 999    | MT20                   |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.11 | Vert(CT) | n/a   | -      | n/a | 999    | 244/190                |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.06 | Horz(CT) | 0.00  | 7      | n/a | n/a    |                        |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |          |       |        |     |        | Weight: 27 lb FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS      | 2x4 SP No.3 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

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

#### REACTIONS

|            |   |
|------------|---|
| (size)     | 2=6-1-13, 5=6-1-13, 6=6-1-13, 7=6-1-13  |
| Max Horiz  | 2=114 (LC 11)                           |
| Max Uplift | 5=-17 (LC 12), 6=-67 (LC 12)            |
| Max Grav   | 2=89 (LC 1), 5=133 (LC 1), 6=295 (LC 1) |

#### FORCES

|  |  |
|--|--|
| (lb) - Maximum Compression/Maximum Tension |  |
| TOP CHORD                                  | 1-2=0/16, 2-3=-176/96, 3-4=-95/58, 5-7=0/0, 4-5=-96/91 |
| BOT CHORD                                  | 2-6=-46/55, 5-6=-46/55                                 |
| WEBS                                       | 3-6=-228/187   |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 5 and 67 lb uplift at joint 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



April 18, 2025

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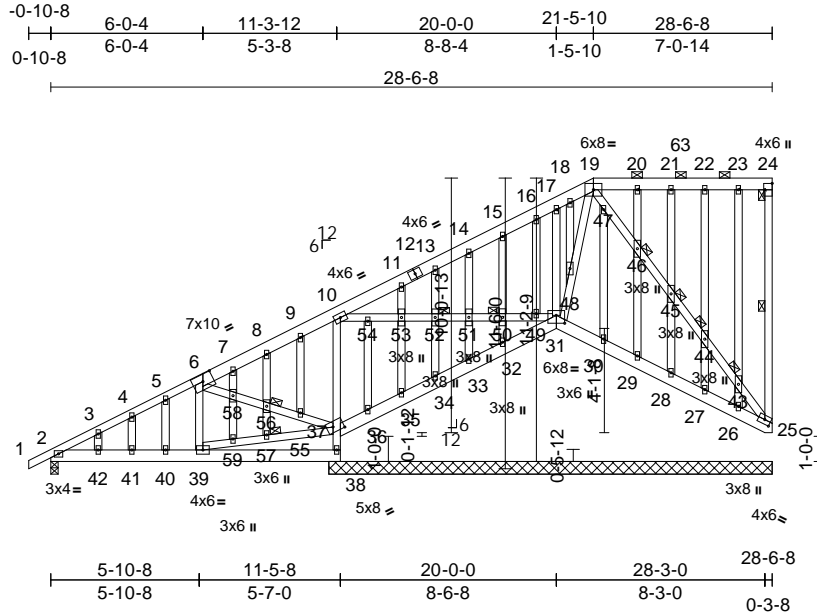
|                          |       |                                 |     |     |                                      |
|--------------------------|-------|---------------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type                      | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | SP01  | Piggyback Base Structural Gable | 1   | 1   | 172856738                            |
| Job Reference (optional) |       |                                 |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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|                          |       |                                 |     |     |                                      |
|--------------------------|-------|---------------------------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type                      | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | SP01  | Piggyback Base Structural Gable | 1   | 1   | I72856738                            |
| Job Reference (optional) |       |                                 |     |     |                                      |

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)  
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 25, 2 lb uplift at joint 2, 111 lb uplift at joint 38, 79 lb uplift at joint 26, 45 lb uplift at joint 27, 20 lb uplift at joint 28, 30 lb uplift at joint 29, 65 lb uplift at joint 30, 55 lb uplift at joint 32, 32 lb uplift at joint 33, 25 lb uplift at joint 34, 6 lb uplift at joint 35 and 24 lb uplift at joint 36.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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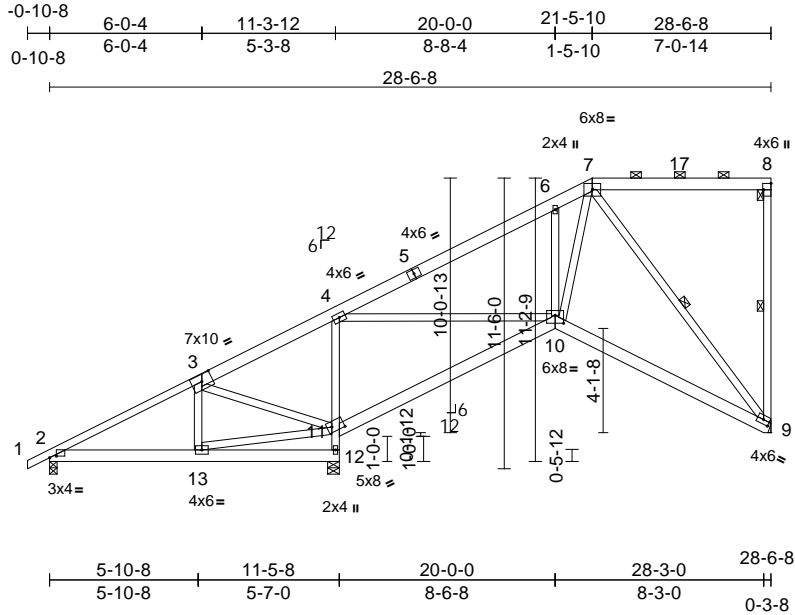
818 Soundside Road  
Edenton, NC 27932

|         |       |                |     |     |                                      |
|---------|-------|----------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type     | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | SP02  | Piggyback Base | 2   | 1   | Job Reference (optional)             |
|         |       |                |     |     | I72856739                            |

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Page: 1



Scale = 1:91.2

Plate Offsets (X, Y): [2:0-3-3,0-0-12], [3:0-5-0,0-3-4], [8:Edge,0-3-8], [9:0-2-15,0-2-0], [10:0-4-0,0-3-12], [11:0-5-12,0-2-8]

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|----------|-------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.47 | Vert(LL) | -0.06 | 9-10  | >999   | 360 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.39 | Vert(CT) | -0.13 | 9-10  | >999   | 240 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.37 | Horz(CT) | 0.04  | 9     | n/a    | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      | Wind(LL) | 0.03  | 9-10  | >999   | 240 | Weight: 226 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x6 SP No.2 \*Except\* 1-3:2x4 SP No.2  
BOT CHORD 2x6 SP No.2 \*Except\* 12-4:2x4 SP No.3  
WEBS 2x4 SP No.3 \*Except\* 8-9,7-9:2x4 SP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 8-9, 7-9

**REACTIONS** (size) 2=0-3-8, 9= Mechanical, 12=0-5-8  
Max Horiz 2=358 (LC 9)  
Max Uplift 2=-3 (LC 12), 9=-82 (LC 9), 12=-181 (LC 12)  
Max Grav 2=349 (LC 20), 9=572 (LC 1), 12=1412 (LC 1)

#### FORCES

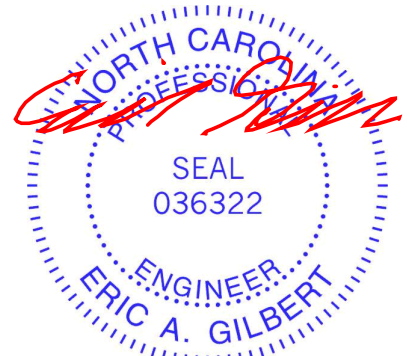
(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/23, 2-4=-404/480, 4-6=-676/91, 6-7=-619/224, 7-8=-125/134, 8-9=-190/92  
BOT CHORD 2-13=-183/199, 12-13=-87/0, 11-12=-1375/372, 4-11=-898/383, 10-11=-391/70, 9-10=-283/474  
WEBS 3-11=-530/130, 4-10=-241/814, 6-10=-390/284, 7-10=-279/571, 3-13=0/242, 7-9=-589/292, 11-13=-159/241

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 9, 3 lb uplift at joint 2 and 181 lb uplift at joint 12.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard



April 18, 2025

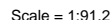
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ID:YbkzLJfKCHNCWE8fEPGnFrvXn5M-RfC?PsB70Hq3NSaPanL8w3uITXbGKWRCDoI7J4zJC?f



| <b>Loading</b> | (psf) | <b>Spacing</b>  | 2-0-0           | <b>CSI</b> |      | <b>DEFL</b> | in    | (loc) | l/defl | L/d | <b>PLATES</b>  | <b>GRIP</b> |
|----------------|-------|-----------------|-----------------|------------|------|-------------|-------|-------|--------|-----|----------------|-------------|
| TCLL (roof)    | 20.0  | Plate Grip DOL  | 1.15            | TC         | 0.47 | Vert(LL)    | -0.06 | 9-10  | >999   | 360 | MT20           | 244/190     |
| TCDL           | 10.0  | Lumber DOL      | 1.15            | BC         | 0.39 | Vert(CT)    | -0.13 | 9-10  | >999   | 240 |                |             |
| BCLL           | 0.0 * | Rep Stress Incr | YES             | WB         | 0.37 | Horz(CT)    | 0.04  | 9     | n/a    | n/a |                |             |
| BCDL           | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS  |      | Wind(LL)    | 0.03  | 9-10  | >999   | 240 | Weight: 226 lb | FT = 20%    |

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 9, 181 lb uplift at joint 12 and 3 lb uplift at joint 2.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

|                  |  |
|------------------|--|
| <b>FORCES</b>    | (lb) - Maximum Compression/Maximum Tension   |
| <b>TOP CHORD</b> | 1-2=0/23, 2-4=-404/480, 4-6=-676/91,<br>6-7=-619/224, 7-8=-125/134, 8-9=-190/92                            |
| <b>BOT CHORD</b> | 2-13=-183/199, 12-13=-87/0,<br>11-12=-1375/372, 4-11=-898/383,<br>10-11=-391/70, 9-10=-283/474             |
| <b>WEBS</b>      | 3-11=-530/130, 4-10=-241/814,<br>6-10=-390/284, 7-10=-279/571, 3-13=0/242,<br>7-9=-589/292, 11-13=-159/241 |

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)  
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.



April 18.2025

 **WARNING** - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-7473 (rev. 1/2/2023) BEFORE USE.**

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**ENGINEERING BY**  
**TRENCO**  
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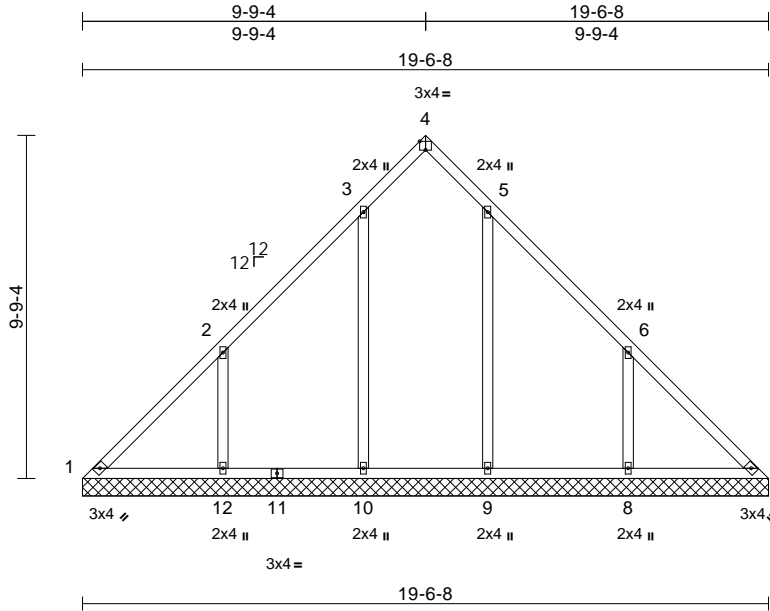
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | V01   | Valley     | 1   | 1   | Job Reference (optional)             |
|         |       |            |     |     | I72856741                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 E Jan 17 2025 Print: 8.830 E Jan 17 2025 MiTek Industries, Inc. Fri Apr 18 10:07:58  
ID:OAqXNdT91qCKvlfbs5RcgkyJ?zB-WnZf9zik2\_RksUDY38F?0DSo?Rs3vSvetHxx5gzPwMn

Page: 1



Scale = 1:58.8

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP                    |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|-------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.21 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20                    |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.17 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190                 |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.26 | Horiz(TL) | 0.01  | 7      | n/a | n/a    |                         |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        | Weight: 101 lb FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

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

#### REACTIONS

All bearings 19-6-8.  
(lb) - Max Horiz 1=-205 (LC 8)  
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 8=-166 (LC 13), 9=-121 (LC 13), 10=-125 (LC 12), 12=-172 (LC 12)  
Max Grav All reactions 250 (lb) or less at joint (s) 1, 7 except 8=459 (LC 20), 9=416 (LC 20), 10=420 (LC 19), 12=466 (LC 19)

#### FORCES

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

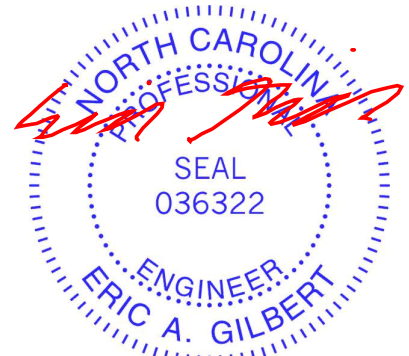
TOP CHORD 1-2=-336/271, 6-7=-328/271  
BOT CHORD 1-12=-218/290, 11-12=-218/290, 10-11=-218/290, 9-10=-218/290, 8-9=-218/290, 7-8=-218/290  
WEBS 2-12=-302/218, 6-8=-302/216

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1 except (jt=lb) 12=172, 10=124, 8=166, 9=121.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



April 18, 2025

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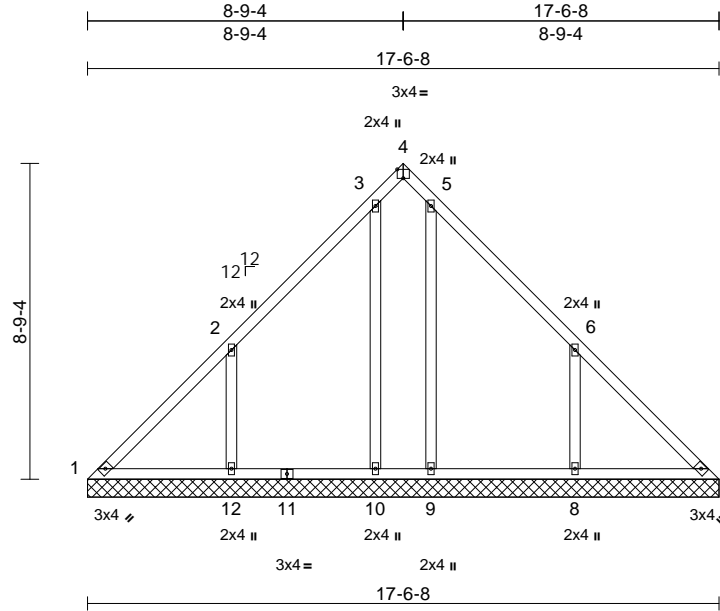
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V02   | Valley     | 1   | 1   | 172856742                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:50

Page: 1

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Scale = 1:64

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

| Loading                | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)            | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.22 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20    |
| TCDL                   | 10.0  | Lumber DOL      | 1.15            | BC        | 0.18 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190 |
| BCLL                   | 0.0*  | Rep Stress Incr | YES             | WB        | 0.27 | Horiz(TL) | 0.01  | 7      | n/a | n/a    |         |
| BCDL                   | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 94 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

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

#### REACTIONS

(size) 1=17-6-8, 7=17-6-8, 8=17-6-8,  
9=17-6-8, 10=17-6-8, 12=17-6-8  
Max Horiz 1=-184 (LC 10)  
Max Uplift 1=-35 (LC 10), 7=-4 (LC 11),  
8=-174 (LC 13), 9=-66 (LC 13),  
10=-84 (LC 12), 12=-178 (LC 12)  
Max Grav 1=167 (LC 12), 7=146 (LC 13),  
8=460 (LC 20), 9=335 (LC 20),  
10=354 (LC 19), 12=464 (LC 19)

#### FORCES

(lb) - Maximum Compression/Maximum Tension

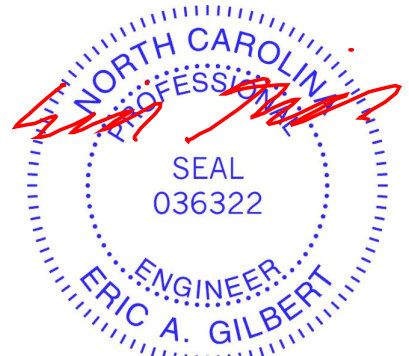
TOP CHORD 1-2=-272/270, 2-3=-87/176, 3-4=-17/45,  
4-5=-17/54, 5-6=-62/160, 6-7=-247/270  
BOT CHORD 1-12=-217/231, 10-12=-217/231,  
9-10=-217/231, 8-9=-217/231, 7-8=-217/231  
WEBS 2-12=-304/222, 3-10=-248/118,  
6-8=-304/221, 5-9=-228/100

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust)  
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1, 4 lb uplift at joint 7, 178 lb uplift at joint 12, 84 lb uplift at joint 10, 174 lb uplift at joint 8 and 66 lb uplift at joint 9.

LOAD CASE(S) Standard



April 18, 2025

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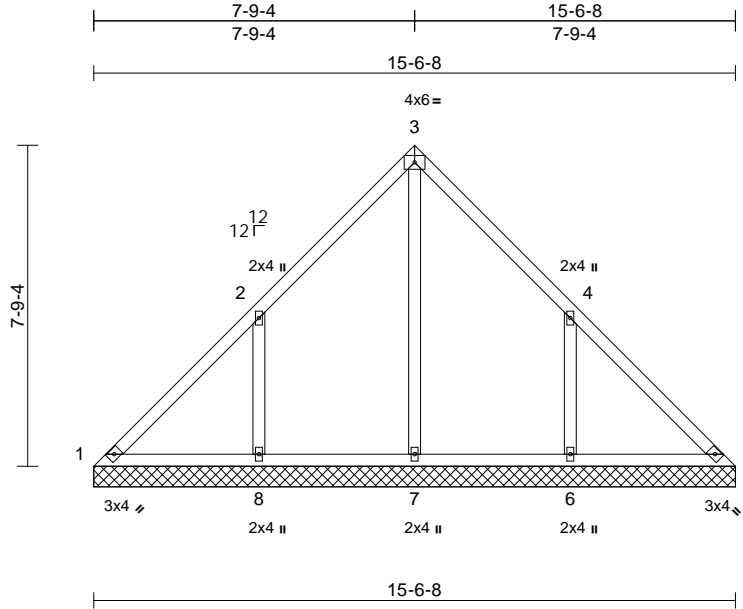
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856743 |
| 4404935 | V03   | Valley     | 1   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:50  
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Page: 1



|                |       |                 |                 |            |      |             |      |       |        |     |               |             |
|----------------|-------|-----------------|-----------------|------------|------|-------------|------|-------|--------|-----|---------------|-------------|
| <b>Loading</b> | (psf) | <b>Spacing</b>  | 2-0-0           | <b>CSI</b> |      | <b>DEFL</b> | in   | (loc) | l/defl | L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL (roof)    | 20.0  | Plate Grip DOL  | 1.15            | TC         | 0.22 | Vert(LL)    | n/a  | -     | n/a    | 999 | MT20          | 244/190     |
| TCDL           | 10.0  | Lumber DOL      | 1.15            | BC         | 0.16 | Vert(TL)    | n/a  | -     | n/a    | 999 |               |             |
| BCLL           | 0.0*  | Rep Stress Incr | YES             | WB         | 0.27 | Horiz(TL)   | 0.00 | 5     | n/a    | n/a |               |             |
| BCDL           | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS  |      |             |      |       |        |     | Weight: 75 lb | FT = 20%    |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

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

**REACTIONS** (size) 1=15-6-8, 5=15-6-8, 6=15-6-8, 7=15-6-8, 8=15-6-8  
Max Horiz 1=162 (LC 9)  
Max Uplift 1=-30 (LC 8), 6=-184 (LC 13), 8=-188 (LC 12)  
Max Grav 1=132 (LC 20), 5=110 (LC 22), 6=452 (LC 20), 7=423 (LC 19), 8=456 (LC 19)

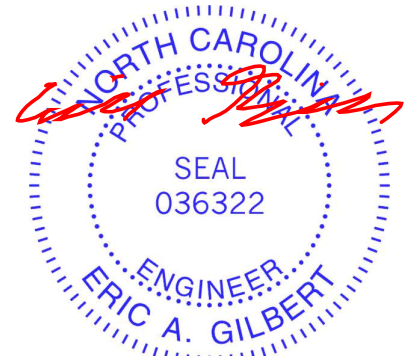
**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-159/196, 2-3=-79/142, 3-4=-58/119, 4-5=-133/159  
BOT CHORD 1-8=-136/145, 7-8=-136/145, 6-7=-136/145, 5-6=-136/145  
WEBS 2-8=-303/221, 4-6=-303/220, 3-7=-259/0

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1, 188 lb uplift at joint 8 and 184 lb uplift at joint 6.
- LOAD CASE(S)** Standard



April 18, 2025

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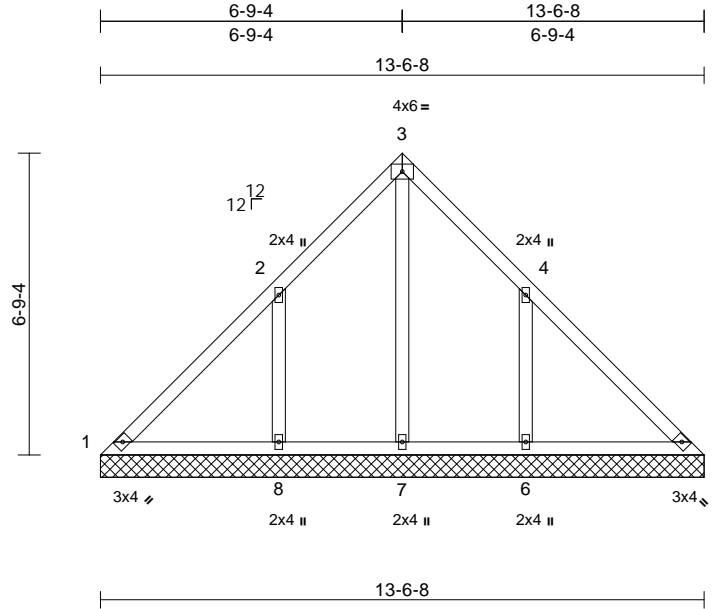
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | V04   | Valley     | 1   | 1   | Job Reference (optional)             |
|         |       |            |     |     | I72856744                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:50  
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Page: 1



| Scale = 1:51.7 |       |                 |                 |           |      |           |       |        |     |               |          |
|----------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|---------------|----------|
| Loading        | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES        | GRIP     |
| TCLL (roof)    | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.19 | n/a       | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL           | 10.0  | Lumber DOL      | 1.15            | BC        | 0.15 | n/a       | -     | n/a    | 999 |               |          |
| BCLL           | 0.0 * | Rep Stress Incr | YES             | WB        | 0.19 | Horiz(TL) | 0.00  | 5      | n/a |               |          |
| BCDL           | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     | Weight: 67 lb | FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |  |
|-----------|--|
| TOP CHORD | Structural wood sheathing directly applied or 10-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.              |

|           |            |  |
|-----------|------------|--|
| REACTIONS | (size)     | 1=13-6-8, 5=13-6-8, 6=13-6-8, 7=13-6-8, 8=13-6-8                         |
|           | Max Horiz  | 1=-141 (LC 8)  |
|           | Max Uplift | 1=-20 (LC 8), 6=-163 (LC 13), 8=-167 (LC 12)                             |
|           | Max Grav   | 1=105 (LC 21), 5=89 (LC 24), 6=400 (LC 20), 7=340 (LC 19), 8=405 (LC 19) |

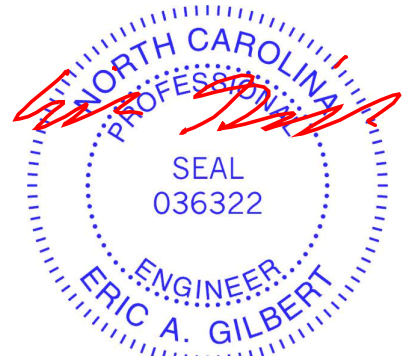
#### FORCES

|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension             |
| TOP CHORD | 1-2=-140/213, 2-3=-21/131, 3-4=-14/126, 4-5=-110/181   |
| BOT CHORD | 1-8=-155/137, 7-8=-155/137, 6-7=-155/137, 5-6=-155/137 |
| WEBS      | 2-8=-267/188, 4-6=-267/187, 3-7=-239/0                 |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1, 167 lb uplift at joint 8 and 163 lb uplift at joint 6.
- LOAD CASE(S)** Standard



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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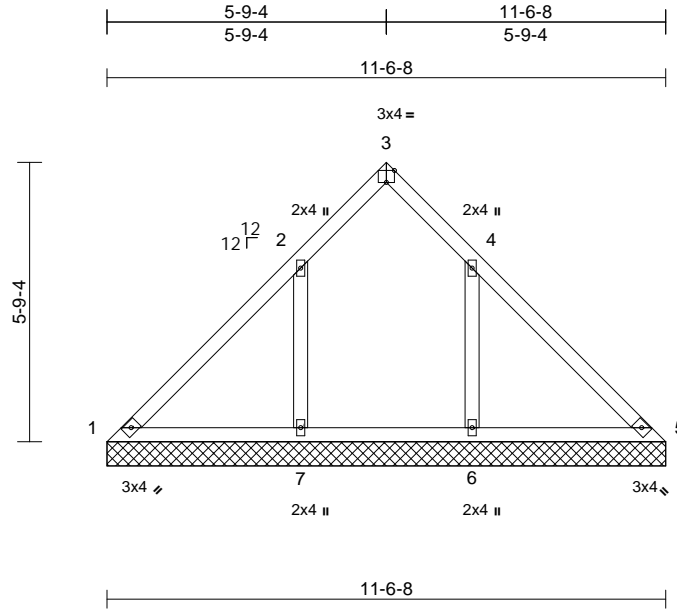
818 Soundside Road  
Edenton, NC 27932

|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V05   | Valley     | 1   | 1   | 172856745                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:50  
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Page: 1



Scale = 1:47.6

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP                   |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.18 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20                   |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.16 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190                |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.07 | Horiz(TL) | 0.00  | 5      | n/a | n/a    |                        |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        | Weight: 50 lb FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.             |

|                  |            |  |
|------------------|------------|--|
| <b>REACTIONS</b> | (size)     | 1=11-6-8, 5=11-6-8, 6=11-6-8, 7=11-6-8                     |
|                  | Max Horiz  | 1=-119 (LC 10)   |
|                  | Max Uplift | 6=-131 (LC 13), 7=-137 (LC 12)                             |
|                  | Max Grav   | 1=140 (LC 21), 5=135 (LC 22), 6=409 (LC 20), 7=417 (LC 19) |

#### FORCES

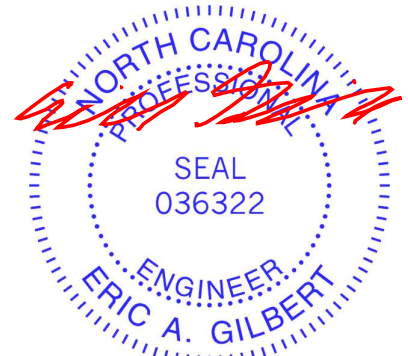
|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension         |
| TOP CHORD | 1-2=-171/146, 2-3=-76/21, 3-4=-76/20, 4-5=-169/146 |
| BOT CHORD | 1-7=-135/163, 6-7=-135/163, 5-6=-135/163           |
| WEBS      | 2-7=-259/165, 4-6=-259/162                         |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 7 and 131 lb uplift at joint 6.

**LOAD CASE(S)** Standard



April 18, 2025

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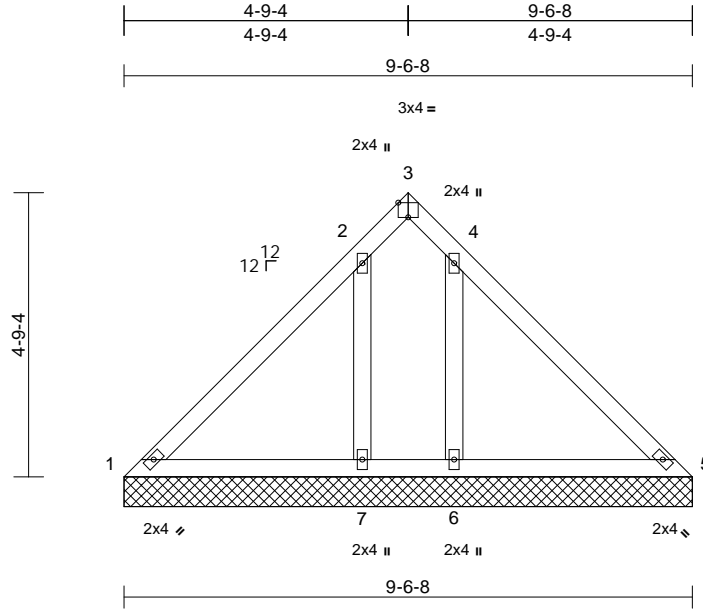
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V06   | Valley     | 1   | 1   | 172856746                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:50

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Scale = 1:38.7

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

| Loading                | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)            | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.20 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20    |
| TCDL                   | 10.0  | Lumber DOL      | 1.15            | BC        | 0.14 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190 |
| BCLL                   | 0.0*  | Rep Stress Incr | YES             | WB        | 0.08 | Horiz(TL) | 0.00  | 5      | n/a | n/a    |         |
| BCDL                   | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 43 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 9-6-8 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.             |

|                  |            |  |
|------------------|------------|--|
| <b>REACTIONS</b> | (size)     | 1=9-6-8, 5=9-6-8, 6=9-6-8, 7=9-6-8                       |
|                  | Max Horiz  | 1=98 (LC 9)  |
|                  | Max Uplift | 1=-1 (LC 10), 6=-135 (LC 13), 7=-146 (LC 12)             |
|                  | Max Grav   | 1=80 (LC 12), 5=68 (LC 13), 6=368 (LC 20), 7=381 (LC 19) |

#### FORCES

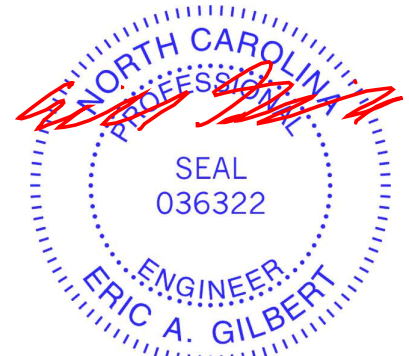
|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension         |
| TOP CHORD | 1-2=-147/241, 2-3=-14/70, 3-4=-20/74, 4-5=-147/241 |
| BOT CHORD | 1-7=-205/168, 6-7=-205/168, 5-6=-205/168           |
| WEBS      | 2-7=-292/153, 4-6=-281/148                         |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1, 146 lb uplift at joint 7 and 135 lb uplift at joint 6.

**LOAD CASE(S)** Standard



April 18, 2025

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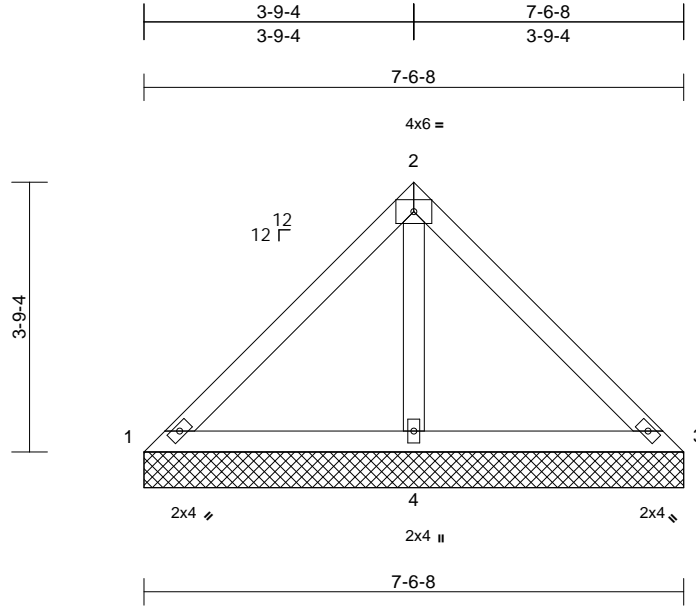
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | V07   | Valley     | 1   | 1   | Job Reference (optional)             |
|         |       |            |     |     | I72856747                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Page: 1



Scale = 1:32.2

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP                   |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.15 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20                   |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.16 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190                |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horiz(TL) | 0.00  | 3      | n/a | n/a    |                        |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        | Weight: 30 lb FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 7-6-8 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

(size) 1=7-6-8, 3=7-6-8, 4=7-6-8  
Max Horiz 1=-77 (LC 8)  
Max Uplift 4=-69 (LC 12)  
Max Grav 1=75 (LC 23), 3=75 (LC 24), 4=500 (LC 1)

#### FORCES

(lb) - Maximum Compression/Maximum Tension

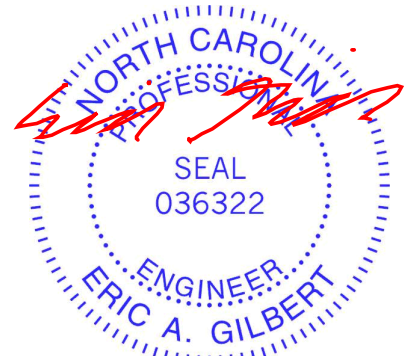
TOP CHORD 1-2=-59/186, 2-3=-59/183  
BOT CHORD 1-4=-141/100, 3-4=-141/100  
WEBS 2-4=-360/127

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 4.

LOAD CASE(S) Standard



April 18, 2025

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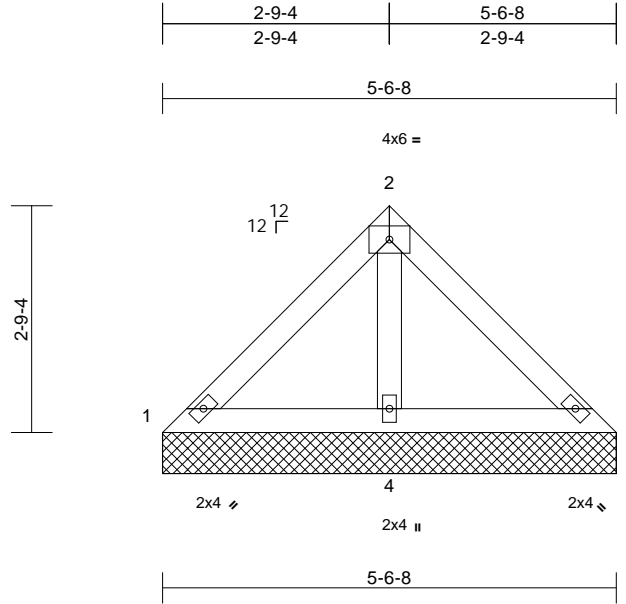
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856748 |
| 4404935 | V08   | Valley     | 1   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Page: 1



Scale = 1:28.2

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL      | in   | (loc) | l/defl | L/d | PLATES        | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.08 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.10 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.05 | Horiz(TL) | 0.00 | 3     | n/a    | n/a |               |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MP |      |           |      |       |        |     | Weight: 22 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

(size) 1=5-6-8, 3=5-6-8, 4=5-6-8  
Max Horiz 1=-55 (LC 8)  
Max Uplift 4=-44 (LC 12)  
Max Grav 1=65 (LC 23), 3=65 (LC 24), 4=343 (LC 1)

#### FORCES

(lb) - Maximum Compression/Maximum Tension

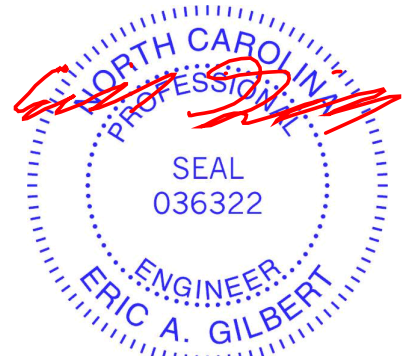
TOP CHORD 1-2=-53/112, 2-3=-53/107  
BOT CHORD 1-4=-98/75, 3-4=-98/75  
WEBS 2-4=-222/73

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 4.

LOAD CASE(S) Standard



April 18, 2025

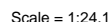
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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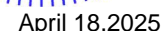
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|                  |   |
|------------------|---|
| <b>LUMBER</b>    |   |
| TOP CHORD        | 2x4 SP No.2   |
| BOT CHORD        | 2x4 SP No.2   |
| OTHERS           | 2x4 SP No.3   |
| <b>BRACING</b>   |   |
| TOP CHORD        | Structural wood sheathing directly applied or 3-6-8 oc purlins. |
| BOT CHORD        | Rigid ceiling directly applied or 6-0-0 oc bracing.             |
| <b>REACTIONS</b> |   |
| (size)           | 1=3-6-8, 3=3-6-8, 4=3-6-8                                       |
| Max Horiz        | 1=-34 (LC 8)  |
| Max Uplift       | 3=-3 (LC 13), 4=-17 (LC 12)                                     |
| Max Grav         | 1=52 (LC 23), 3=52 (LC 24), 4=192 (LC 1)                        |
| <b>FORCES</b>    |   |
|                  | (lb) - Maximum Compression/Maximum Tension                      |
| TOP CHORD        | 1-2=-44/49, 2-3=-44/44  |
| BOT CHORD        | 1-4=-43/38, 3-4=-43/38  |
| WERS             | 2-4=-101/20   |

- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 3 and 17 lb uplift at joint 4.

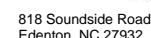
LOAD CASE(S) Standard



 **WARNING** - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-7473 (rev. 1/2/2023) BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only on parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute ([www.tpinet.org](http://www.tpinet.org)) and **BCSI Building Component Safety Information** available from the Structural Building Components Association ([www.sbcacompnents.com](http://www.sbcacompnents.com))



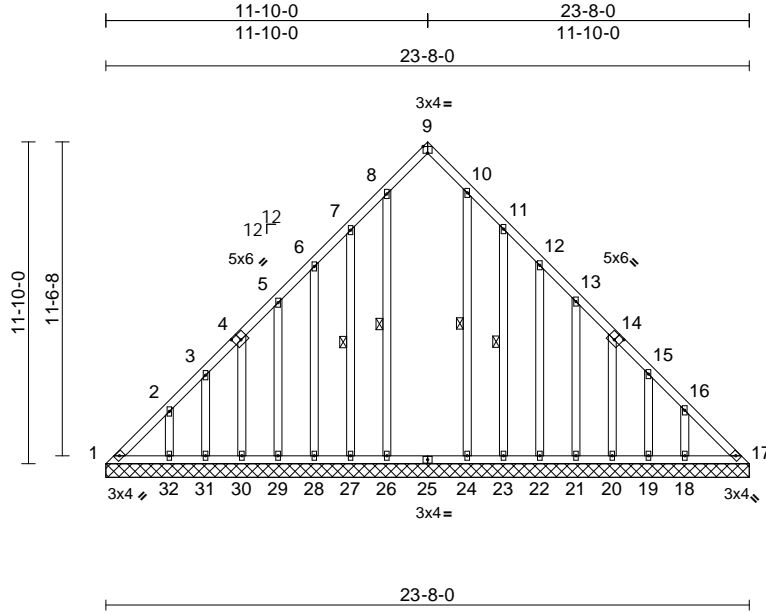
|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | V10   | Valley     | 1   | 1   | 172856750                            |
|         |       |            |     |     | Job Reference (optional)             |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:51

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Scale = 1:84.7

Plate Offsets (X, Y): [4:0-3-0,0-3-0], [9:0-2-0,Edge], [14:0-3-0,0-3-0]

| Loading                 | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|-------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)             | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.08 | Vert(LL)  | n/a   | -      | n/a | 999    | 244/190 |
| TCDL                    | 10.0  | Lumber DOL      | 1.15            | BC        | 0.10 | Vert(TL)  | n/a   | -      | n/a | 999    |         |
| BCLL                    | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horiz(TL) | 0.01  | 17     | n/a | n/a    |         |
| BCDL                    | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 204 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.            |

|      |                |                          |
|------|----------------|--------------------------|
| WEBS | 1 Row at midpt | 8-26, 10-24, 7-27, 11-23 |
|------|----------------|--------------------------|

|           |        |   |
|-----------|--------|---|
| REACTIONS | (size) | 1=23-8-0, 17=23-8-0, 18=23-8-0, 19=23-8-0, 20=23-8-0, 21=23-8-0, 22=23-8-0, 23=23-8-0, 24=23-8-0, 26=23-8-0, 27=23-8-0, 28=23-8-0, 29=23-8-0, 30=23-8-0, 31=23-8-0, 32=23-8-0 |
|-----------|--------|---|

|            |  |
|------------|--|
| Max Horiz  | 1=250 (LC 9)   |
| Max Uplift | 1=67 (LC 10), 17=34 (LC 11), 18=13 (LC 13), 19=67 (LC 13), 20=55 (LC 13), 21=62 (LC 13), 22=54 (LC 13), 23=90 (LC 13), 27=83 (LC 12), 28=55 (LC 12), 29=61 (LC 12), 30=56 (LC 12), 31=64 (LC 12), 32=27 (LC 12)  |
| Max Grav   | 1=240 (LC 12), 17=218 (LC 13), 18=203 (LC 1), 19=80 (LC 20), 20=123 (LC 20), 21=121 (LC 20), 22=125 (LC 20), 23=92 (LC 24), 24=211 (LC 20), 26=230 (LC 19), 27=92 (LC 23), 28=125 (LC 19), 29=120 (LC 19), 30=124 (LC 19), 31=77 (LC 19), 32=208 (LC 19) |

|        |  |
|--------|--|
| FORCES | (lb) - Maximum Compression/Maximum Tension |
|--------|--|

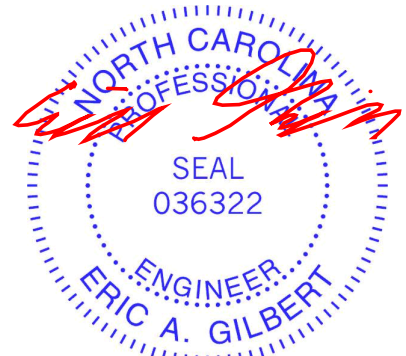
|           |   |
|-----------|---|
| TOP CHORD | 1-2=-395/272, 2-3=-334/210, 3-5=-274/168, 5-6=-146/81, 6-7=-110/59, 7-8=-96/66, 8-9=-87/59, 9-10=-86/58, 10-11=-76/50, 11-12=-96/38, 12-13=-131/67, 13-15=-259/167, 15-16=-318/206, 16-17=-377/271  |
| BOT CHORD | 1-32=-218/316, 31-32=-218/316, 30-31=-218/316, 29-30=-221/317, 28-29=-221/317, 27-28=-221/317, 26-27=-221/317, 24-26=-221/317, 23-24=-221/317, 22-23=-221/317, 21-22=-221/317, 20-21=-221/317, 19-20=-217/314, 18-19=-217/314, 17-18=-217/314 |
| WEBS      | 8-26=-118/30, 10-24=-100/11, 7-27=-115/94, 6-28=-95/73, 5-29=-101/76, 4-30=-98/75, 3-31=-83/69, 2-32=-131/67, 11-23=-116/99, 12-22=-95/72, 13-21=-103/76, 14-20=-99/76, 15-19=-79/68, 16-18=-127/63   |

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 (||) MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 1, 34 lb uplift at joint 17, 83 lb uplift at joint 27, 55 lb uplift at joint 28, 61 lb uplift at joint 29, 56 lb uplift at joint 30, 64 lb uplift at joint 31, 27 lb uplift at joint 32, 90 lb uplift at joint 23, 54 lb uplift at joint 22, 62 lb uplift at joint 21, 55 lb uplift at joint 20, 67 lb uplift at joint 19 and 13 lb uplift at joint 18.

LOAD CASE(S) Standard



April 18,2025

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Edenton, NC 27932

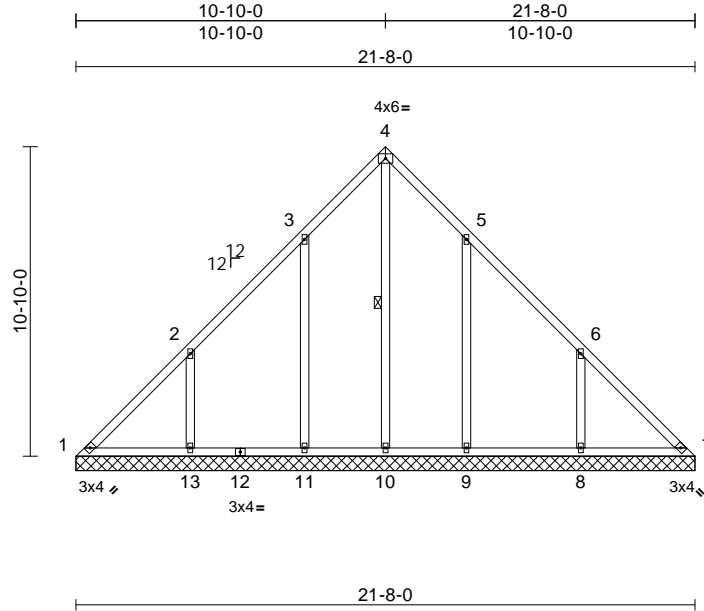
|         |       |            |     |     |                                      |
|---------|-------|------------|-----|-----|--------------------------------------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935 | V11   | Valley     | 1   | 1   | Job Reference (optional)             |
|         |       |            |     |     | I72856751                            |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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| Scale = 1:80.6 |       |                 |                 |           |      |           |       |        |     |                |          |
|----------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|----------------|----------|
| Loading        | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES         | GRIP     |
| TCLL (roof)    | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.21 | n/a       | -     | n/a    | 999 | MT20           | 244/190  |
| TCDL           | 10.0  | Lumber DOL      | 1.15            | BC        | 0.17 | n/a       | -     | n/a    | 999 |                |          |
| BCLL           | 0.0*  | Rep Stress Incr | YES             | WB        | 0.29 | Horiz(TL) | 0.01  | 7      | n/a |                |          |
| BCDL           | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     | Weight: 124 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

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

**REACTIONS** (size) 1=21-8-0, 7=21-8-0, 8=21-8-0, 9=21-8-0, 10=21-8-0, 11=21-8-0, 13=21-8-0  
Max Horiz 1=-228 (LC 8)  
Max Uplift 1=-55 (LC 10), 7=-4 (LC 11), 8=-170 (LC 13), 9=-158 (LC 13), 11=-157 (LC 12), 13=-174 (LC 12)  
Max Grav 1=171 (LC 21), 7=145 (LC 22), 8=454 (LC 20), 9=428 (LC 20), 10=343 (LC 22), 11=427 (LC 19), 13=459 (LC 19)

#### FORCES

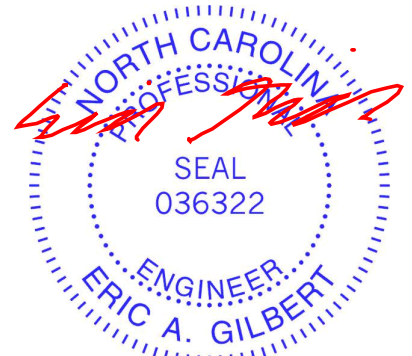
(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=-263/228, 2-3=-128/170, 3-4=-129/182, 4-5=-129/176, 5-6=-80/122, 6-7=-218/210  
BOT CHORD 1-13=-175/211, 11-13=-175/211, 10-11=-175/211, 9-10=-175/211, 8-9=-175/211, 7-8=-175/211  
WEBS 2-13=-298/215, 3-11=-261/202, 6-8=-298/213, 5-9=-261/202, 4-10=-225/43

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 1, 4 lb uplift at joint 7, 174 lb uplift at joint 13, 157 lb uplift at joint 11, 170 lb uplift at joint 8 and 158 lb uplift at joint 9.

**LOAD CASE(S)** Standard



April 18, 2025

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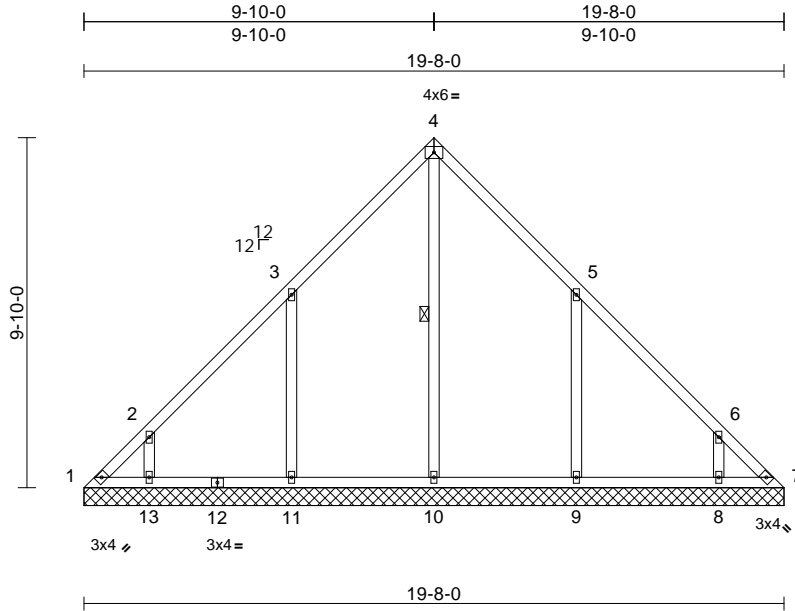
|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856752 |
| 4404935 | V12   | Valley     | 1   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:52

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Scale = 1:64.7

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES         | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|----------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.20 | n/a       | -     | n/a    | 999 | MT20           | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.19 | n/a       | -     | n/a    | 999 |                |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.18 | Horiz(TL) | 0.01  | 7      | n/a |                |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     | Weight: 102 lb | FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing.            |
| WEBS      | 1 Row at midpt 4-10   |

|           |            |   |
|-----------|------------|---|
| REACTIONS | (size)     | 1=19-8-0, 7=19-8-0, 8=19-8-0, 9=19-8-0, 10=19-8-0, 11=19-8-0, 13=19-8-0                                   |
|           | Max Horiz  | 1=207 (LC 9)  |
|           | Max Uplift | 1=-85 (LC 10), 7=-37 (LC 11), 8=-98 (LC 13), 9=-197 (LC 13), 11=-197 (LC 12), 13=-106 (LC 12)             |
|           | Max Grav   | 1=159 (LC 12), 7=126 (LC 13), 8=274 (LC 1), 9=444 (LC 20), 10=392 (LC 22), 11=443 (LC 19), 13=280 (LC 19) |

#### FORCES

|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension   |
| TOP CHORD | 1-2=-268/177, 2-3=-201/133, 3-4=-185/172, 4-5=-185/165, 5-6=-162/82, 6-7=-231/149  |
| BOT CHORD | 1-13=-97/176, 11-13=-97/176, 10-11=-97/176, 9-10=-97/176, 8-9=-97/176, 7-8=-97/176 |
| WEBS      | 4-10=-178/52, 3-11=-316/244, 2-13=-237/174, 5-9=-316/244, 6-8=-237/171             |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 (II) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 1, 37 lb uplift at joint 7, 197 lb uplift at joint 11, 106 lb uplift at joint 13, 197 lb uplift at joint 9 and 98 lb uplift at joint 8.

LOAD CASE(S) Standard



April 18, 2025

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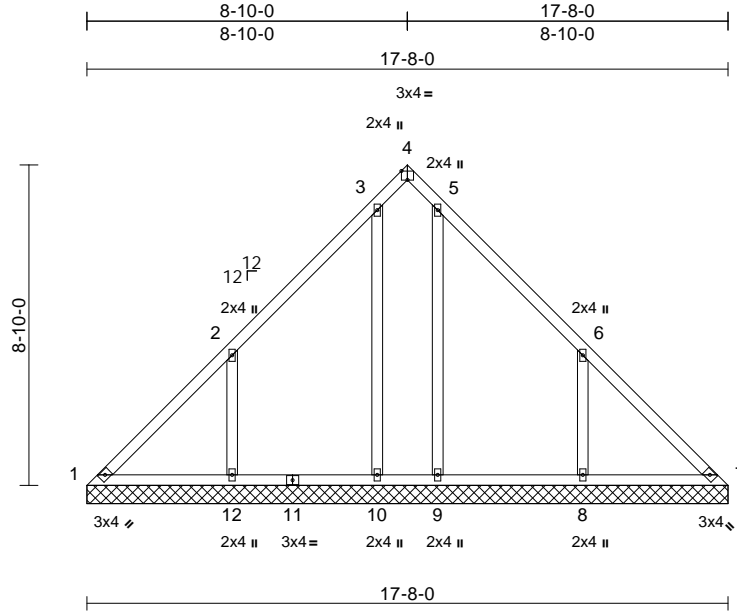
818 Soundside Road  
Edenton, NC 27932

|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V13   | Valley     | 1   | 1   | 172856753                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:52  
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Page: 1



Scale = 1:63.5

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

| Loading                | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)            | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.22 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20    |
| TCDL                   | 10.0  | Lumber DOL      | 1.15            | BC        | 0.18 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190 |
| BCLL                   | 0.0*  | Rep Stress Incr | YES             | WB        | 0.27 | Horiz(TL) | 0.01  | 7      | n/a | n/a    |         |
| BCDL                   | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 95 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

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

**REACTIONS** (size) 1=17-8-0, 7=17-8-0, 8=17-8-0, 9=17-8-0, 10=17-8-0, 12=17-8-0  
Max Horiz 1=-185 (LC 8)  
Max Uplift 1=-33 (LC 10), 7=-4 (LC 11), 8=-173 (LC 13), 9=-73 (LC 13), 10=-89 (LC 12), 12=-177 (LC 12)  
Max Grav 1=173 (LC 12), 7=153 (LC 13), 8=461 (LC 20), 9=337 (LC 20), 10=355 (LC 19), 12=465 (LC 19)

#### FORCES

(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=-281/275, 2-3=-97/172, 3-4=-18/41, 4-5=-18/49, 5-6=-73/155, 6-7=-258/275  
BOT CHORD 1-12=-221/239, 10-12=-221/239, 9-10=-221/239, 8-9=-221/239, 7-8=-221/239  
WEBS 2-12=-304/222, 3-10=-247/124, 6-8=-304/221, 5-9=-229/107

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1, 4 lb uplift at joint 7, 177 lb uplift at joint 12, 89 lb uplift at joint 10, 173 lb uplift at joint 8 and 73 lb uplift at joint 9.

**LOAD CASE(S)** Standard



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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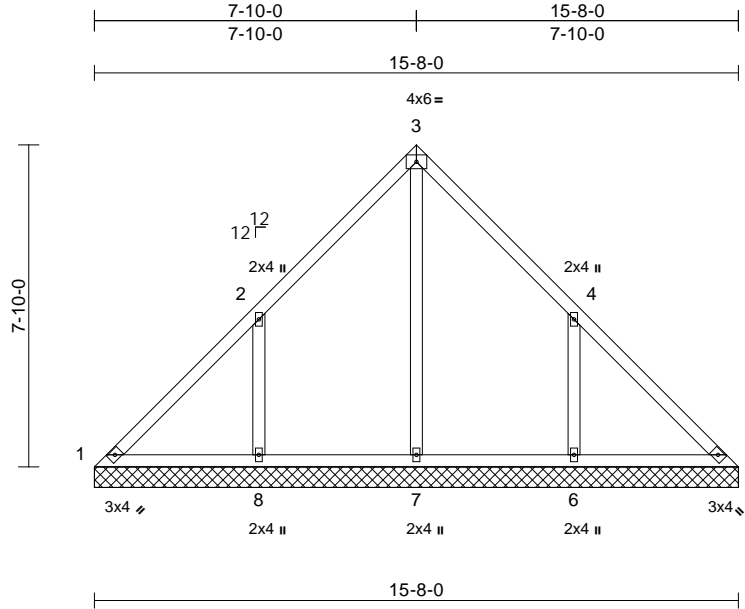
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856754 |
| 4404935 | V14   | Valley     | 1   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:52  
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Page: 1



Scale = 1:56

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES        | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.23 | n/a       | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.16 | n/a       | -     | n/a    | 999 |               |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.28 | Horiz(TL) | 0.00  | 5      | n/a |               |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     | Weight: 76 lb | FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |  |
|-----------|--|
| TOP CHORD | Structural wood sheathing directly applied or 10-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.              |

|                  |            |   |
|------------------|------------|---|
| <b>REACTIONS</b> | (size)     | 1=15-8-0, 5=15-8-0, 6=15-8-0, 7=15-8-0, 8=15-8-0                          |
|                  | Max Horiz  | 1=-164 (LC 8)   |
|                  | Max Uplift | 1=-31 (LC 8), 6=-186 (LC 13), 8=-190 (LC 12)                              |
|                  | Max Grav   | 1=134 (LC 20), 5=111 (LC 22), 6=456 (LC 20), 7=428 (LC 19), 8=460 (LC 19) |

#### FORCES

(lb) - Maximum Compression/Maximum Tension

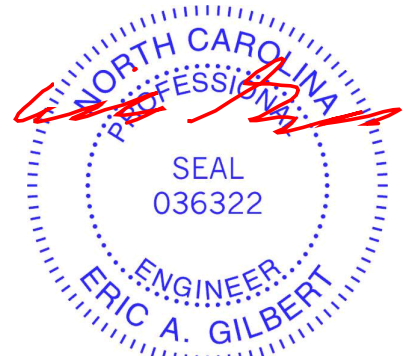
|           |  |
|-----------|--|
| TOP CHORD | 1-2=-160/195, 2-3=-83/141, 3-4=-61/118, 4-5=-135/158   |
| BOT CHORD | 1-8=-135/145, 7-8=-135/145, 6-7=-135/145, 5-6=-135/145 |
| WEBS      | 2-8=-306/223, 4-6=-306/222, 3-7=-260/0                 |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1, 190 lb uplift at joint 8 and 186 lb uplift at joint 6.

**LOAD CASE(S)** Standard



April 18, 2025

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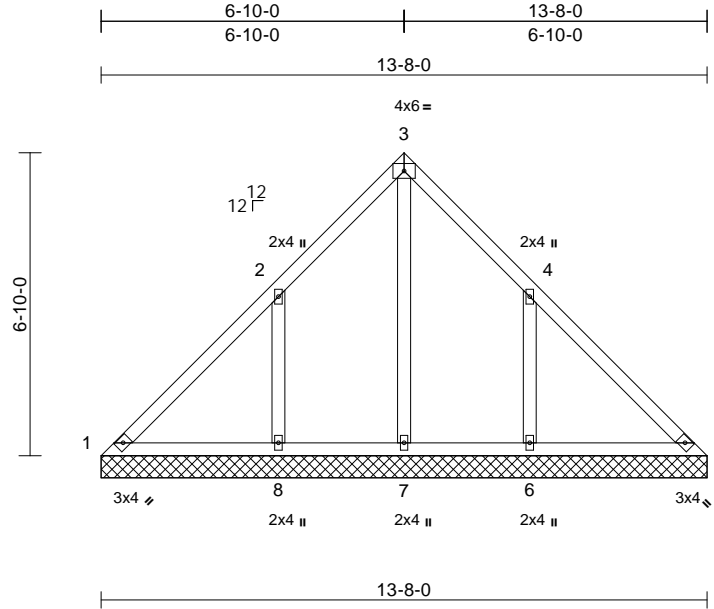
818 Soundside Road  
Edenton, NC 27932

|         |       |            |     |     |                                      |           |
|---------|-------|------------|-----|-----|--------------------------------------|-----------|
| Job     | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road | I72856755 |
| 4404935 | V15   | Valley     | 1   | 1   | Job Reference (optional)             |           |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Page: 1



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| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP          |          |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.19 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20          | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.15 | Vert(TL)  | n/a   | -      | n/a | 999    |               |          |
| BCLL        | 0.0 * | Rep Stress Incr | YES             | WB        | 0.19 | Horiz(TL) | 0.00  | 5      | n/a | n/a    |               |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        | Weight: 67 lb | FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |  |
|-----------|--|
| TOP CHORD | Structural wood sheathing directly applied or 10-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.              |

|                  |            |  |
|------------------|------------|--|
| <b>REACTIONS</b> | (size)     | 1=13-8-0, 5=13-8-0, 6=13-8-0, 7=13-8-0, 8=13-8-0                         |
|                  | Max Horiz  | 1=-142 (LC 8)  |
|                  | Max Uplift | 1=-21 (LC 8), 6=-164 (LC 13), 8=-168 (LC 12)                             |
|                  | Max Grav   | 1=107 (LC 21), 5=90 (LC 22), 6=403 (LC 20), 7=346 (LC 19), 8=407 (LC 19) |

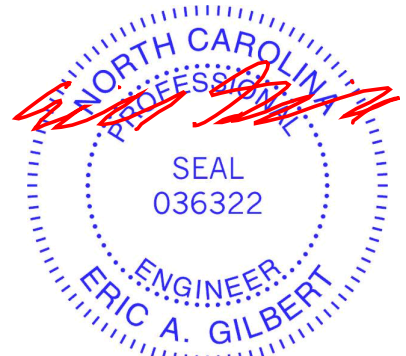
#### FORCES

|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension             |
| TOP CHORD | 1-2=-141/212, 2-3=-24/131, 3-4=-17/125, 4-5=-111/179   |
| BOT CHORD | 1-8=-154/138, 7-8=-154/138, 6-7=-154/138, 5-6=-154/138 |
| WEBS      | 2-8=-269/190, 4-6=-269/189, 3-7=-241/0                 |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.

- Gable studs spaced at 4-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1, 168 lb uplift at joint 8 and 164 lb uplift at joint 6.
- LOAD CASE(S)** Standard



April 18, 2025

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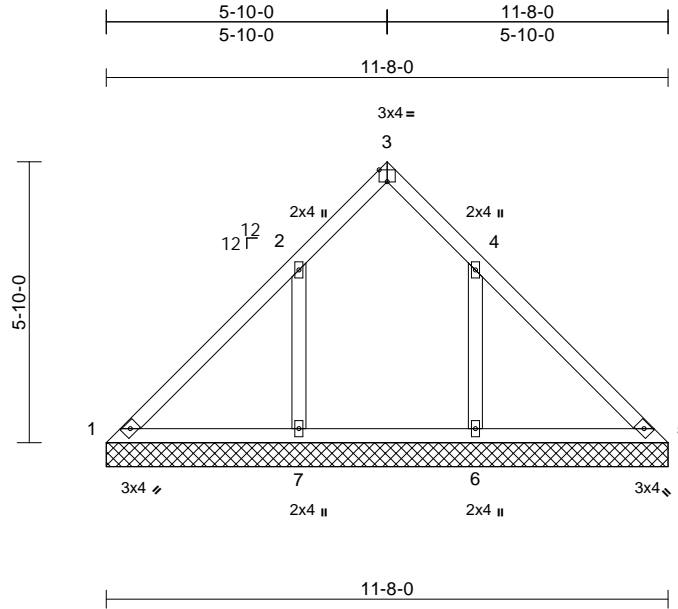
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V16   | Valley     | 1   | 1   | 172856756                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:53

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Scale = 1:47.9

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP                   |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.18 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20                   |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.17 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190                |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.07 | Horiz(TL) | 0.01  | 5      | n/a | n/a    |                        |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        | Weight: 51 lb FT = 20% |

#### LUMBER

|           |             |
|-----------|-------------|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| OTHERS    | 2x4 SP No.3 |

#### BRACING

|           |   |
|-----------|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing.             |

|                  |            |  |
|------------------|------------|--|
| <b>REACTIONS</b> | (size)     | 1=11-8-0, 5=11-8-0, 6=11-8-0, 7=11-8-0                     |
|                  | Max Horiz  | 1=-121 (LC 8)  |
|                  | Max Uplift | 6=-131 (LC 13), 7=-137 (LC 12)                             |
|                  | Max Grav   | 1=142 (LC 21), 5=137 (LC 22), 6=413 (LC 20), 7=420 (LC 19) |

#### FORCES

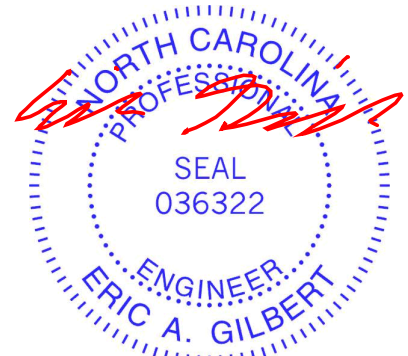
|           |  |
|-----------|--|
|           | (lb) - Maximum Compression/Maximum Tension         |
| TOP CHORD | 1-2=-175/142, 2-3=-81/22, 3-4=-81/21, 4-5=-173/142 |
| BOT CHORD | 1-7=-132/163, 6-7=-132/163, 5-6=-132/163           |
| WEBS      | 2-7=-259/166, 4-6=-259/163                         |

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 7 and 131 lb uplift at joint 6.

**LOAD CASE(S)** Standard



April 18, 2025

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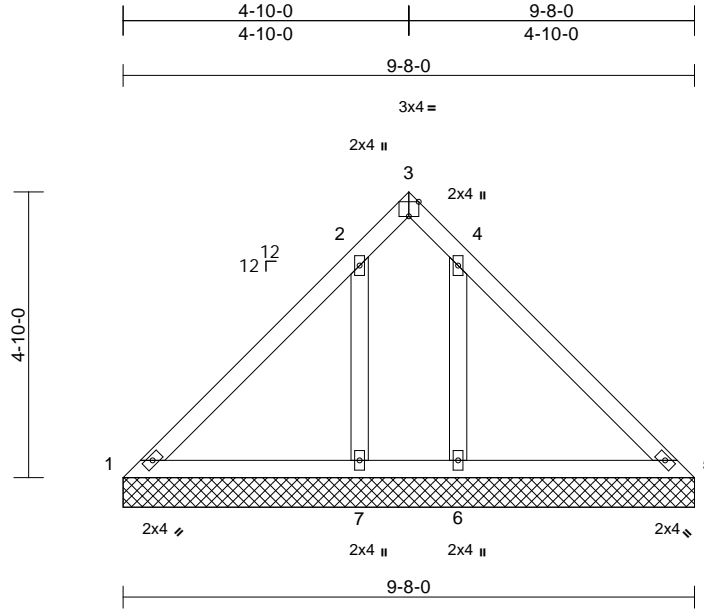
|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V17   | Valley     | 1   | 1   | I72856757                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:53

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Scale = 1:39

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

| Loading                | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP    |
|------------------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|---------|
| TCLL (roof)            | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.20 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20    |
| TCDL                   | 10.0  | Lumber DOL      | 1.15            | BC        | 0.14 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190 |
| BCLL                   | 0.0*  | Rep Stress Incr | YES             | WB        | 0.08 | Horiz(TL) | 0.00  | 5      | n/a | n/a    |         |
| BCDL                   | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |       |        |     |        |         |
| Weight: 44 lb FT = 20% |       |                 |                 |           |      |           |       |        |     |        |         |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 9-8-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

(size) 1=9-8-0, 5=9-8-0, 6=9-8-0, 7=9-8-0  
Max Horiz 1=99 (LC 9)  
Max Uplift 6=134 (LC 13), 7=145 (LC 12)  
Max Grav 1=81 (LC 12), 5=70 (LC 22), 6=365 (LC 20), 7=377 (LC 19)

#### FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-148/234, 2-3=-14/64, 3-4=-18/68, 4-5=-148/234  
BOT CHORD 1-7=-200/169, 6-7=-200/169, 5-6=-200/169  
WEBS 2-7=-288/154, 4-6=-277/150

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 7 and 134 lb uplift at joint 6.

LOAD CASE(S) Standard



April 18, 2025

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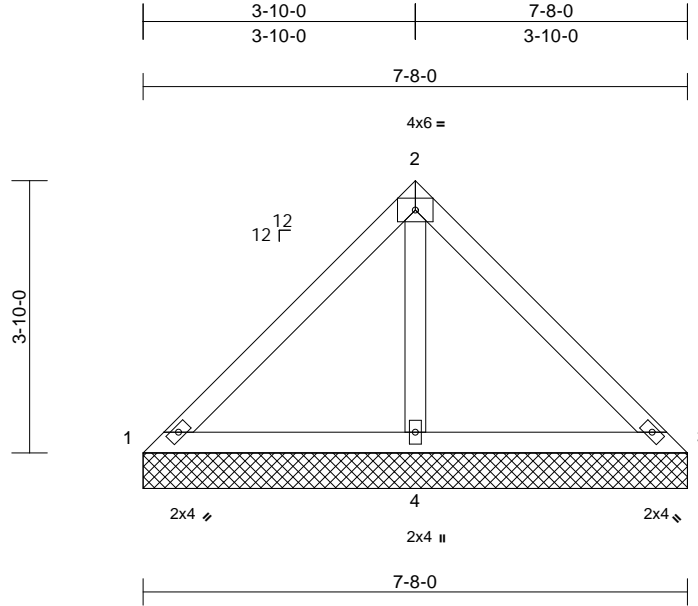
818 Soundside Road  
Edenton, NC 27932

|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V18   | Valley     | 1   | 1   | 172856758                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

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Scale = 1:32.5

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       |      | DEFL      | in   | (loc) | l/defl | L/d | PLATES        | GRIP     |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|------|-------|--------|-----|---------------|----------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.16 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190  |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.17 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |          |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.10 | Horiz(TL) | 0.00 | 3     | n/a    | n/a |               |          |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MS |      |           |      |       |        |     | Weight: 31 lb | FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 7-8-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

#### REACTIONS

(size) 1=7-8-0, 3=7-8-0, 4=7-8-0  
Max Horiz 1=-78 (LC 8)  
Max Uplift 1=-1 (LC 24), 3=-1 (LC 23), 4=-71 (LC 12)  
Max Grav 1=75 (LC 23), 3=75 (LC 24), 4=511 (LC 1)

#### FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-61/192, 2-3=-61/189  
BOT CHORD 1-4=-145/102, 3-4=-145/102  
WEBS 2-4=-369/131

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1, 1 lb uplift at joint 3 and 71 lb uplift at joint 4.

LOAD CASE(S) Standard



April 18, 2025

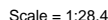
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute ([www.tpinst.org](http://www.tpinst.org)) and **BCSI Building Component Safety Information** available from the Structural Building Component Association ([www.sbcacomponents.com](http://www.sbcacomponents.com))

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**TRENCO**  
A MiTek Affiliate

818 Soundside Road  
Edenton, NC 27932

Builders FirstSource (Apex, NC), Apex, NC - 27523, Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:53 Page: 1  
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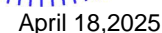
|                  |   |
|------------------|---|
| <b>LUMBER</b>    |   |
| TOP CHORD        | 2x4 SP No.2   |
| BOT CHORD        | 2x4 SP No.2   |
| OTHERS           | 2x4 SP No.3   |
| <b>BRACING</b>   |   |
| TOP CHORD        | Structural wood sheathing directly applied or 5-8-0 oc purlins. |
| BOT CHORD        | Rigid ceiling directly applied or 6-0-0 oc bracing.             |
| <b>REACTIONS</b> |   |
| (size)           | 1=5-8-0, 3=5-8-0, 4=5-8-0                                       |
| Max Horiz        | 1=-56 (LC 8)  |
| Max Uplift       | 4=-46 (LC 12)   |
| Max Grav         | 1=65 (LC 23), 3=65 (LC 24), 4=354 (LC 1)                        |
| <b>FORCES</b>    |   |
|                  | (lb) - Maximum Compression/Maximum Tension                      |
| TOP CHORD        | 1-2=-52/117, 2-3=-52/112  |
| BOT CHORD        | 1-4=-102/78, 3-4=-102/78  |
| WEBS             | 2-4=-231/77   |

- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 4

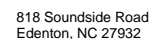
LOAD CASE(S) Standard

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)  
Vasd=95mph; TCDFL=6.0psf; BCDFL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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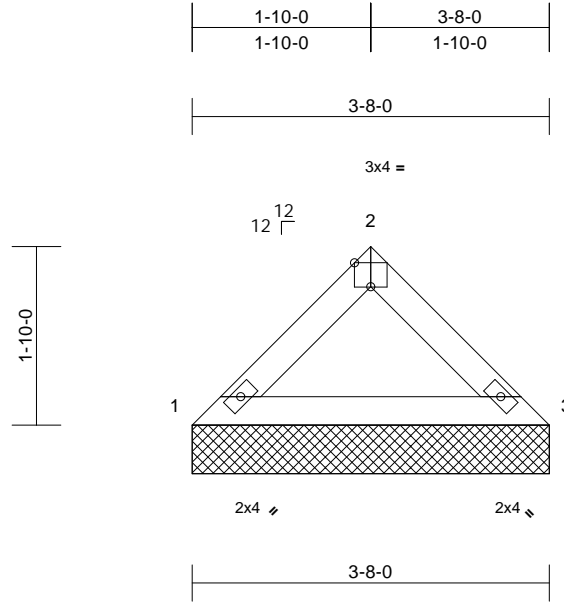


|                          |       |            |     |     |                                      |
|--------------------------|-------|------------|-----|-----|--------------------------------------|
| Job                      | Truss | Truss Type | Qty | Ply | Drees-Parkette-D-Lot 45 Tobacco Road |
| 4404935                  | V20   | Valley     | 1   | 1   | I72856760                            |
| Job Reference (optional) |       |            |     |     |                                      |

Builders FirstSource (Apex, NC), Apex, NC - 27523,

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Apr 17 16:44:53  
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Page: 1



Scale = 1:23.7

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

| Loading     | (psf) | Spacing         | 2-0-0           | CSI       | DEFL | in        | (loc) | l/defl | L/d | PLATES | GRIP                   |
|-------------|-------|-----------------|-----------------|-----------|------|-----------|-------|--------|-----|--------|------------------------|
| TCLL (roof) | 20.0  | Plate Grip DOL  | 1.15            | TC        | 0.09 | Vert(LL)  | n/a   | -      | n/a | 999    | MT20                   |
| TCDL        | 10.0  | Lumber DOL      | 1.15            | BC        | 0.09 | Vert(TL)  | n/a   | -      | n/a | 999    | 244/190                |
| BCLL        | 0.0*  | Rep Stress Incr | YES             | WB        | 0.00 | Horiz(TL) | 0.00  | 3      | n/a | n/a    |                        |
| BCDL        | 10.0  | Code            | IRC2015/TPI2014 | Matrix-MP |      |           |       |        |     |        | Weight: 12 lb FT = 20% |

#### LUMBER

TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (size) 1=3-8-0, 3=3-8-0  
Max Horiz 1=-35 (LC 8)  
Max Uplift 1=-6 (LC 12), 3=-6 (LC 13)  
Max Grav 1=147 (LC 1), 3=147 (LC 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-183/27, 2-3=-183/27  
BOT CHORD 1-3=-18/135

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 6 lb uplift at joint 3.

**LOAD CASE(S)** Standard



April 18, 2025

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

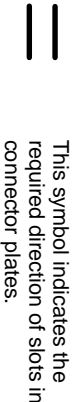
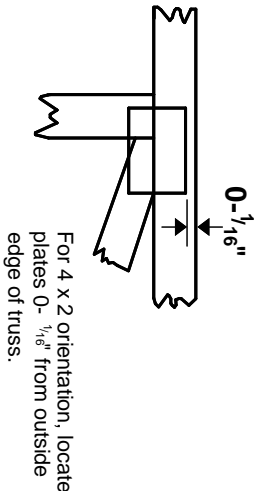
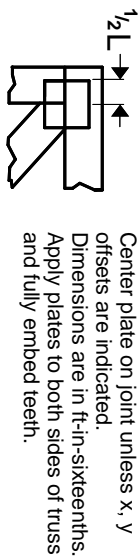
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# Symbols

## PLATE LOCATION AND ORIENTATION



\* Plate location details available in MITek software or upon request.

## PLATE SIZE

**4 X 4**

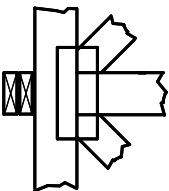
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

## BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

## Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-22: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System

