

Carter Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

Builder: DR Horton Inc

Model: 87 Eagle Creek -Edisto - E



THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.

9. All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the building designer and or contractor.

Approved By: _____

Date: _____



TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS

*

General Notes:

** CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST.

| | 7 | | |
|-----|---------|---------|-----|
| V | | | |
| Tru | ss Drav | ving Le | eft |

End Indicator

| GIRDERS MUST | BE FULLY CONNECTED | TOGETHER PRIOR TO ADDING ANY LOADS. | 3 ARE READ AS: FOOT-INCH-SIXTEENTH. 1, all uplift connec | tors shown within these documents are recommendations stors are the responsibilty of the bldg designer and or cont | ३ only tractc | [,] Pe or. | r AN | ISI/TF | וי |
|--|-----------------------------|-------------------------------------|---|---|------------------|------------------------|--------|-----------|-------------|
| 2 | Scale: Date: | DR Horton Inc | | THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss | | /00/00 | 00/00/ | 00/00/ | |
| NTS 4/30/202 Designer: be Donald Project Num 5040190 Sheet Num | 87 Eagle Creek - Edisto - E | CARTER | design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available | | | 00 | | Revision: | |
| | lison | ROOF PLACEMENT PLAN | Lamoer | from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179 | | Vame | lame | Vanie | S S S |

RE: 25040190 87 Eagle Creek - Edisto E - Roof Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:Customer: DR Horton IncProject Name:25040190Lot/Block: 87Model:Edisto EAddress:Subdivision:Eagle CreekCity:State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2021/TPI2014 Wind Code: ASCE 7-16 Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.7 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 44 individual, dated Truss Design Drawings and 0 Additional Drawings.

| No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | Seal# I73141543 I73141544 I73141545 I73141546 I73141547 I73141547 I73141549 I73141550 I73141550 I73141552 I73141555 I73141555 I73141555 I73141556 I73141558 I73141559 I73141559 I73141560 | Truss Name A1 A2 A3 A4 A5 A6 A7 A8 A9 B1 B2 C1 C2 C1 C2 D1 D2 D3 D4 D5 | Date 5/1/2025 | No. 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 | Seal# I73141563 I73141564 I73141565 I73141566 I73141567 I73141568 I73141569 I73141570 I73141570 I73141571 I73141572 I73141573 I73141575 I73141576 I73141577 I73141578 I73141579 I73141579 I73141580 | Truss Name E2 E3 V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V10 V11 V12 V13 V14 V15 V16 | Date 5/1/2025 |
|--|---|--|--|---|--|--|--|
| 17 18 19 20 | I73141559 I73141560 I73141561 I73141562 | D4 D5 D6 E1 | 5/1/2025 5/1/2025 5/1/2025 5/1/2025 | 37 38 39 40 | 73141579 73141580 73141581 73141582 | V15 V16 V17 V18 | 5/1/2025 5/1/2025 5/1/2025 5/1/2025 |
| | | | | | | | |

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Carter Components (Sanford, NC)).

Truss Design Engineer's Name: Galinski, John

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

North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.

Galinski, John

RE: 25040190 - 87 Eagle Creek - Edisto E - Roof

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: DR Horton Inc Project Name: 25040190 Lot/Block: 87 Address: City, County: State:

| No. 41 42 43 | Seal# I73141583 I73141584 I73141585 | Truss Name V19 V20 V21 | Date 5/1/2025 5/1/2025 5/1/2025 |
|-----------------------|--|---------------------------------|--|
| 43 | 1/3141585 | V21 | 5/1/2025 |
| 44 | 173141586 | V22 | 5/1/2025 |

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | A1 | Common | 3 | 1 | Job Reference (optional) | 173141543 |

| 25040190 | А | 1 | Common | | 3 | 1 | | | | | N | 173141543 |
|--|-------------------|---|--|--|------------------|--|---|--|-----------------------------------|---------------------|---|---------------------------------------|
| Carter Components (S | Sanford, NC), S | Sanford, NC - 27332, | | Run: 8.73 S Feb 1 ID:ZV1gNYWIsiBI\ | 9 2025 /MF?7z | Print: 8.730 S I WKIEzODoV-R | Feb 19 2 RfC?PsB | <u>ob Refer</u> 025 MiTek 70Hq3NSg | ence (op Industrie: PqnL8w3 | s, Inc. V uITXbG |) Wed Apr 30 12:37:47 GKWrCDoi7J4zJC?f | Page: 1 |
| | -0-10-8 | 6-4-3 | 13-4-13 | 18-5-8 | 1 | 23-6-3 | | 30-6 | 6-13 | | 36-11-0 | 37-9-8 |
| | 0-10-8 | 6-4-3 | 7-0-11 | 5-0-11 | 1 | 5-0-11 | 1 | 7-0 | -11 | | 6-4-3 | 0-10-8 |
| Scale = 1:71.1 Plate Offsets (X, Y) | 1 2 6x8 II | 5x 4 3x5 = 3 23 6-4-3 6-4-3 -3-0], [8:0-3-0,0-3-0], [1 | 6 = 6 ¹² 6 = 13-4-13 13 7-0-11 0 3:0-5-0,0-4-8], [22:0-5-0,0 | 34 33 34 33 34 34 34 34 34 34 | б | 35 14 223 22-10-5 -0 1-10-13 0-0 0-1 | 367 367 367 38×8035 13 3×8035 5-0 11-4 -15 5-12 -15 5-12 | <u>30-6</u> 7-0 | <u>5-13</u> -11 | 55 | x6 x 8 37 2 2 36-11-0 6-4-3 | 3x5 s 9 10 11 8 6x8 II |
| Loading | (p: | sf) Spacing | 2-0-0 | CSI | 0.22 | DEFL | ir | (loc) | l/defl | L/d | PLATES | GRIP |
| Snow (Pf/Pg) | 13.9/20 | 0.0 Lumber DOL | 1.15 | BC | 0.32 | Vert(CT) | -0.22 | . 17 5 17 | >999 >976 | ∠40 180 | 10120 | 244/190 |
| TCDL | 10 | 0.0 Rep Stress Incr | YES | WB | 0.40 | Horz(CT) | 0.07 | 10 | n/a | n/a | | |
| BCLL BCDL | 0 10 | 0.0* Code 0.0 | IRC2021/TPI2014 | Matrix-MSH | | | | | | | Weight: 258 lb | FT = 20% |
| | | 2.05 | 2) Wind: ASC | E 7-16; Vult=130mph | (3-sec | cond gust) | t: Cat | | | | | |

| TOP CHORD | 2x4 SP 2400F 2.0E |
|-----------|--|
| BOT CHORD | 2x6 SP 2400F 2.0E *Except* 21-15:2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 22-6,13-6:2x4 SP No.2 |
| SLIDER | Left 2x4 SP No.3 2-6-0, Right 2x4 SP No.3 2-6-0 |
| BRACING | |
| TOP CHORD | Structural wood sheathing directly applied or 4-2-2 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| REACTIONS | (size) 2=0-3-8, 10=0-3-8 |
| | Max Horiz 2=98 (LC 14) |
| | Max Grav 2=1946 (LC 3), 10=1946 (LC 3) |
| FORCES | (Ib) - Maximum Compression/Maximum Tension |
| TOP CHORD | 1-2=0/28, 2-5=-3540/0, 5-6=-3310/0, |
| | 6-7=-3310/0, 7-10=-3540/0, 10-11=0/28 |
| BOT CHORD | 2-23=0/3098, 20-23=0/3100, 18-20=0/2235, |
| | 14-18=0/2235, 12-14=0/3100, 10-12=0/3099, |
| | 19-21=-108/0, 17-19=-108/0, 16-17=-108/0, |
| | 15-16=-108/0 |
| WEBS | 5-22=-421/178, 21-22=0/1395, 6-21=0/1495, |
| | 4-22=-333/171, 4-23=-68/12, 7-13=-421/178, |
| | 6-15=0/1495, 13-15=0/1395, 8-13=-333/171, |
| | 8-12=-68/12, 19-20=-108/0, 17-18=-113/0, |
| | 14-16=-108/0 |
| NOTES | |

NOTES

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

II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-10-1 to 2-10-3, Interior (1) 2-10-3 to 18-5-8, Exterior(2R) 18-5-8 to 22-1-13, Interior (1) 22-1-13 to 37-9-1 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=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

6) 200.0lb AC unit load placed on the bottom chord, 18-5-8 from left end, supported at two points, 5-0-0 apart.

All plates are 2x4 MT20 unless otherwise indicated. 7)

* This truss has been designed for a live load of 20.0psf 8) 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) All bearings are assumed to be SP 2400F 2.0E .

LOAD CASE(S) Standard

3)

5)

May 1,2025

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 PCB Building Component Science Michael Component Advancement description (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | A2 | Common | 6 | 1 | Job Reference (optional) | 173141544 |

Lumber DOL=1.60 plate grip DOL=1.33

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:48 ID:ZV1gNYWIsiBIVMF?7zWKIEzODoV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

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May 1,2025

Edenton, NC 27932

L. GA

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | A3 | Common | 2 | 1 | Job Reference (optional) | 173141545 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:38:29 ID:gc7G9x02nGC9Tnb1sEC5TQzO8am-FCZzM4uXTwjejN_AmhsjoR8hg_8Hf84ew6g_yhzKrzO Page: 1

May 1,2025

Edenton, NC 27932

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.sbcaccomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | A4 | Common | 1 | 1 | Job Reference (optional) | 173141546 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:IBmKzq9yX8AJQIGKkG7rGIzO8DK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

| Plate Offsets (X, Y): | [2:0-6-1,Edge] | [4:0-3-0,0-3-0], | [8:0-3-0,0-3-0], | [10:0-3-8,Edge], | , [12:0-4-0,0-3-0] | , [14:0-4-0,0-3-0] |
|-----------------------|----------------|------------------|------------------|------------------|--------------------|--------------------|

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC202 | 1/TPI2014 | CSI TC BC WB Matrix-MSH | 0.59 0.58 0.55 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.18 -0.35 0.11 | (loc) 14-15 14-15 10 | l/defl >999 >999 n/a | L/d 240 180 n/a | PLATES MT20 Weight: 227 lb | GRIP 244/190 FT = 20% |
|--|---|---|---|--|---|---|--|--|-------------------------------|-------------------------------|--------------------------|----------------------------------|---|
| LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS FORCES | 2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E 2x4 SP No.3 *Excep Left 2x6 SP 2400F 2 SP 2400F 2.0E 2-0 Structural wood shea 3-10-11 oc purlins. Rigid ceiling directly bracing. (size) 2=0-3-8, 1 Max Horiz 2=100 (LC Max Grav 2=1655 (L (lb) - Maximum Com | t* 6-14,6-12:2x4 SP .0E 2-0-0, Right 2 0-0 athing directly applie applied or 10-0-0 oc 10=0-3-8 C 14) .C 3), 10=1612 (LC : pression/Maximum | 3) No.2 4) 5) ed or 6) 3) 7) | TCLL: ASCE Plate DOL=1 DOL=1.15 Pl Exp.; Ce=0.9 Unbalanced ³ design. This truss ha load of 12.0 p overhangs nc * This truss h on the bottom 3-06-00 tall b chord and an All bearings a | 7-16; Pr=20.0 psf 15); Pg=20.0 psf; ate DOL=1.15); Is= ; Cs=1.00; Ct=1.10 snow loads have b s been designed for bosf or 2.00 times flag on-concurrent with as been designed n chord in all areas y 2-00-00 wide will y other members, are assumed to be Standard | (roof LL Pf=13.9 =1.0; Rc) eeen cor or greate at roof lo other liv for a liv where l fit betw with BC SP 240 | L: Lum DOL= P psf (Lum hugh Cat B; F asidered for t er of min roo bad of 13.9 p /e loads. e load of 20. a rectangle /een the bott DL = 10.0ps 0F 2.0E . | E1.15 Fully his f live psf on Opsf tom t. | | | | | |
| | Tension | 1/252 5 6 2604/24 ⁻ | 7 | | | | | | | | | | |
| TOP CHORD | 6-7=-2604/349, 7-10 |)=-2998/256 | Ι, | | | | | | | | | | |
| BOT CHORD | 2-15=-138/2579, 13- | -15=-140/2575,)-11140/2582 | | | | | | | | | | | |
| WEBS | 4-15=0/197, 4-14=-4 6-14=-152/1031, 6-1 6-12=-152/1032, 7-1 8-12=-447/95, 8-11= | 143/89, 5-14=-445/17 3=0/244, 2=-445/177, =0/197 | 77, | | | | | | | | - | ORTH CA | ROUNT |
| NOTES | | | | | | | | | | | 33 | PM | NS: 7 - |
| Unbalance this design Wind: ASC Vasd=103 II; Exp B; I Exterior(2I 18-5-8, Ex to 36-11-0 vertical lef forces & M DOL=1.60 | ed roof live loads have CE 7-16; Vult=130mph imph; TCDL=6.0psf; BG Enclosed; MWFRS (en E) -0-10-1 to 2-9-14, In terior(2R) 18-5-8 to 22 zone; cantilever left at t and right exposed;C- IWFRS for reactions sl plate grip DOL=1.33 | been considered for (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C tterior (1) 2-9-14 to 2-1-7, Interior (1) 22- nd right exposed ; en C for members and hown; Lumber | r Cat. 1-7 nd | | | | | | | | S MULTINE S | SEA 2867 | E.P. C. L. M. |

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 **ANSUTP11 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.sbcaccomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | A5 | Common Supported Gable | 1 | 1 | Job Reference (optional) | 173141547 |

WEBS

WEBS

OTHERS

BRACING

TOP CHORD

BOT CHORD

REACTIONS (size)

2x4 SP No.3

2x4 SP No.3

bracing.

1 Row at midpt

Structural wood sheathing directly applied or

22=36-11-0. 23=36-11-0.

24=36-11-0, 25=36-11-0,

26=36-11-0, 27=36-11-0,

28=36-11-0, 30=36-11-0,

31=36-11-0, 32=36-11-0,

33=36-11-0, 34=36-11-0,

36=36-11-0, 37=36-11-0,

38=36-11-0, 39=36-11-0,

40=36-11-0, 41=36-11-0,

24=-6 (LC 16), 25=-18 (LC 16),

26=-15 (LC 16), 27=-16 (LC 16),

28=-15 (LC 16), 30=-19 (LC 16),

31=-10 (LC 16), 33=-11 (LC 15),

34=-19 (LC 15), 36=-15 (LC 15),

37=-16 (LC 15), 38=-15 (LC 15),

39=-19 (LC 15), 40=-4 (LC 15),

41=-56 (LC 15), 42=-26 (LC 11)

Max Uplift 22=-6 (LC 12), 23=-48 (LC 16),

42=36-11-0

Max Horiz 42=-115 (LC 13)

11-32, 10-33, 12-31

6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

Run: 8 73 S. Feb 19 2025 Print: 8 730 S Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 12:37:49 ID:zOwdqVY5FoLlp?Y_EniUSDzO8oG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

26=160 (LC 2), 27=160 (LC 40), II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner 28=160 (LC 2), 30=180 (LC 23), (3E) -0-10-1 to 2-10-3, Exterior(2N) 2-10-3 to 18-5-8, 31=205 (LC 23), 32=166 (LC 36) Corner(3R) 18-5-8 to 22-1-13. Exterior(2N) 22-1-13 to 33=205 (LC 22), 34=180 (LC 22), 37-9-1 zone; cantilever left and right exposed ; end 36=160 (LC 2), 37=160 (LC 39), vertical left and right exposed;C-C for members and 38=160 (LC 2), 39=161 (LC 39), forces & MWFRS for reactions shown: Lumber 40=155 (LC 2), 41=179 (LC 33), DOL=1.60 plate grip DOL=1.33 42=158 (LC 34) Truss designed for wind loads in the plane of the truss 3) (Ib) - Maximum Compression/Maximum 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. 2-42=-136/74, 1-2=0/33, 2-3=-94/68, 3-4=-75/59, 4-6=-70/111, 6-7=-71/157, 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum 7-8=-82/202, 8-9=-100/247, 9-10=-120/295, DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully 10-11=-136/334, 11-12=-136/334,

Exp.; Ce=0.9; Cs=1.00; Ct=1.10 5) Unbalanced snow loads have been considered for this

- design. 6)
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

May 1,2025

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

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

1)

Tension

12-13=-120/295, 13-14=-100/247,

16-18=-59/111, 18-19=-54/35, 19-20=-75/40,

41-42=-34/98, 40-41=-34/98, 39-40=-34/98,

38-39=-34/98, 37-38=-34/98, 36-37=-34/98,

34-36=-34/98, 33-34=-34/98, 32-33=-34/98,

31-32=-34/98, 30-31=-34/98, 28-30=-34/98,

27-28=-34/98, 26-27=-34/98, 25-26=-34/98,

24-25=-34/98, 23-24=-34/98, 22-23=-34/98

9-34=-140/83, 8-36=-126/76, 7-37=-126/78,

6-38=-127/77, 5-39=-128/80, 4-40=-123/69,

14-15=-82/202, 15-16=-71/157,

11-32=-225/58, 10-33=-165/65,

3-41=-147/139, 12-31=-165/65,

13-30=-140/83, 14-28=-126/76,

15-27=-126/78, 16-26=-127/77, 17-25=-128/80, 18-24=-122/69,

Unbalanced roof live loads have been considered for

19-23=-145/139

20-21=0/33, 20-22=-136/73

and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

this desian.

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | A5 | Common Supported Gable | 1 | 1 | Job Reference (optional) | 173141547 |

- All plates are 2x4 MT20 unless otherwise indicated. 7)
- Gable requires continuous bottom chord bearing. 8)
- Truss to be fully sheathed from one face or securely 9) braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) * 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.
- 12) All bearings are assumed to be SP No.2 .
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 42, 6 lb uplift at joint 22, 11 lb uplift at joint 33, 19 lb uplift at joint 34, 15 lb uplift at joint 36, 16 lb uplift at joint 37, 15 lb uplift at joint 38, 19 lb uplift at joint 39, 4 lb uplift at joint 40, 56 lb uplift at joint 41, 10 lb uplift at joint 31, 19 lb uplift at joint 30, 15 lb uplift at joint 30, 15 lb uplift at joint 28, 16 lb uplift at joint 27, 15 lb uplift at joint 26, 18 lb uplift at joint 25, 6 lb uplift at joint 24 and 48 lb uplift at joint 23.

LOAD CASE(S) Standard

Run; 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:zOwdqVY5FoLlp?Y_EniUSDzO8oG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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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 BCEL Building Component Schut Information, purplication component component durate propagate component component to the prevent collapse with possible for the Studyer Building Component Advance and Adva and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | A6 | Common Supported Gable | 1 | 1 | Job Reference (optional) | 173141548 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:g0vEKOIPXjpZ?6Z5P9GaGMzO89H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Scale = 1:64.7

Plate Offsets (X, Y): [5:0-3-0,0-3-0], [17:0-3-0,0-3-0]

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix- | 0.11 0.07 0.16 MR | DEFL Vert(LL) Vert(CT) Horz(CT) | in n/a n/a 0.00 | (loc) - 21 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 253 lb | GRIP 244/190 FT = 20% | |
|---|---|--|---|--|--|--|--|---|--|---|--|---|--|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood sh 6-0-0 oc purlins, e Rigid ceiling direct bracing. | eathing directly applie except end verticals. ly applied or 10-0-0 oc | ed or S | Max Grav | 21=93 (LC 33), 2 23=150 (LC 2), 2 25=160 (LC 2), 2 27=160 (LC 2), 2 30=205 (LC 23), 32=205 (LC 22), 35=160 (LC 2), 2 37=160 (LC 2), 2 41=163 (LC 34) | 22=194 (LC 4 24=162 (LC 4 29=180 (LC 2 31=162 (LC 33=180 (LC 2 33=180 (LC 3 36=160 (LC 3 38=161 (LC 3 40=178 (LC 3 | 0), 2 0), 3), 36), 22), 9), 9), 3), | Wir Vas II; E (3E Con 36- ver ford DO Tru onl | nd: ASCE sd=103m Exp B; En) -0-10-1 rner(3R) 9-4 zone tical left : ces & MV L=1.60 p ss desig v. For st | E 7-16; nph; TC nclose to 2-9 18-5-8 e; canti and rig VFRS blate gi ned fo uds ex | ; Vult=130mph (CDL=6.0psf; BC/ d; MWFRS (env 9-14, Exterior(2N 8 to 22-1-7, Exter lever left and rig pht exposed;C-C for reactions sho rip DOL=1.33 r wind loads in ti goosed to wind (| 3-second gus DL=6.0psf; h= alope) and C-) 2-9-14 to 18 rior(2N) 22-1- ht exposed; for members own; Lumber he plane of th normal to the | t) =25ft; Cat. -C Corner 8-5-8, -7 to end ; and he truss face). |
| WEBS REACTIONS | 1 Row at midpt (size) 21=36-1 25=36-1 27=36-1 30=36-1 32=36-1 35=36-1 37=36-1 39=36-1 41=36-1 Max Uplift 22=-49 24=-18 | 11-31, 10-32, 12-30 1-0, 22=36-11-0, 1-0, 24=36-11-0, 1-0, 29=36-11-0, 1-0, 31=36-11-0, 1-0, 33=36-11-0, 1-0, 38=36-11-0, 1-0, 40=36-11-0, 1-0, (LC 14) (LC 16), 23=-6 (LC 16) (LC 16), 25=-15 (LC 10) | BOT CHORD), 6), | (iii) - Inia. Tension 2-41=-14 3-4=-82/ 7-8=-89/ 10-11=-1 14-15=-8 16-18=-6 20-21=-6 40-41=-3 37-38=-3 33-35=-3 30-31=-3 26-27=-2 | 10/73, 1-2=0/33, 2-60, 4-6=-76/112, 6 202, 8-9=-102/247 37/335, 11-12=-12 21/295, 13-14=-11 19/202, 15-16=-77/ 15/112, 18-19=-59/ 12/82, 39-40=-32/8 12/82, 30-40=-32/8 12/82, 32-33=-32/8 12/82, 29-30=-32/8 12/82, 29-30=-32/8 | 3=-99/67, -7=-77/157, -7=-77/157, -7=-77/157, -7/157, -7/257, -7/2747, | 2295, 6/37, (82, (82, (82, (82, (82, | see or o Pla DO Exp (5) Unl des (5) Thi loa ove | Standar Standar consult q LL: ASC te DOL= L=1.15 F 0.; Ce=0. palancec ign. s truss h d of 12.0 rhangs r | ad Indu ualified E 7-16 1.15); Plate D 9; Cs= I snow as bee psf or non-co | sistry Gable End d building desigr ; Pr=20.0 psf (rfr Pg=20.0 psf; Pfr 00L=1.15); Is=1. =1.00; Ct=1.10 loads have bee en designed for g =2.00 times flat i ncurrent with oth | Defails as ap ler as per AN of LL: Lum D =13.9 psf (Lui 0; Rough Cat n considered greater of min oof load of 11 her live loads. | plicable, SI/TPI 1. OL=1.15 m : B; Fully for this roof live 3.9 psf on |
| | 26=-16 29=-19 32=-11 35=-15 37=-15 39=-3 (I 41=-27 | (LC 16), 27=-15 (LC 16) (LC 16), 30=-10 (LC 11) (LC 15), 33=-19 (LC 12) (LC 15), 36=-16 (LC 12) (LC 15), 38=-19 (LC 12) (LC 15), 40=-57 (LC 15) (LC 11) | 6), 6), WEBS 5), 5), 5), 5), 1), Wotes | 20-27=-3 23-24=-3 9-33=-14 6-37=-12 3-40=-14 13-29=-1 15-26=-1 17-24=-1 19-22=-1 | 2/22, 25-26=-32/8 22/82, 22-23=-32/8 22/82, 22-23=-32/8 22/85, 10-32=-16 10/83, 8-35=-126/7 7/77, 5-38=-128/8 15/138, 12-30=-16 40/83, 14-27=-12 26/77, 16-25=-126 28/79, 18-23=-118 56/162 | 2, 24-23=32/ 2, 21-22=-32/ 5/65, 6, 7-36=-126, 0, 4-39=-123, 5/65, 5/76, 5/77, 8/74, | /82 /78, /69, | | COULDAN. | N. S. S. | SE/ 286 | IL 77 EEER.SS | |
| | | | this design | ia root live I. | ioaus nave béén (| considered for | ſ | | | | Min L. G | AL | |

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Continued on page 2 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 MTek connectors. This design is based only upon parameters and property incorporate this design is based only upon parameters and property incorporate this design into the overall building designer must verify the applicability of design parameters and property 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.sbcacomponents.com)

May 1,2025

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|--------------------------------|-------------------------|------------------------|----------------|-------------|---|-----------|
| 25040190 | A6 | Common Supported Gable | 1 | 1 | Job Reference (optional) | 173141548 |
| Carter Components (Sanford, NC |), Sanford, NC - 27332, | Run: 8.73 S Feb 19 2 | 2025 Print: 8. | 730 S Feb 1 | 9 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 | Page: 2 |

- All plates are 2x4 MT20 unless otherwise indicated. 7)
- Gable requires continuous bottom chord bearing. 8)
- Truss to be fully sheathed from one face or securely 9)
- braced against lateral movement (i.e. diagonal web). 10) Gable studs spaced at 2-0-0 oc.
- 11) * 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.
- 12) All bearings are assumed to be SP No.2 .
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 41, 11 lb uplift at joint 32, 19 lb uplift at joint 33, 15 lb uplift at joint 35, 16 lb uplift at joint 36, 15 lb uplift at joint 37, 19 lb uplift at joint 38, 3 lb uplift at joint 39, 57 lb uplift at joint 40, 10 lb uplift at joint 30, 19 lb uplift at joint 29, 15 lb uplift at joint 27, 16 lb uplift at joint 26, 15 lb uplift at joint 25, 18 lb uplift at joint 24, 6 lb uplift at joint 23 and 49 lb uplift at joint 22.

LOAD CASE(S) Standard

Run; 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:g0vEKOIPXjpZ?6Z5P9GaGMzO89H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|--------------|-----|-----|----------------------------------|-----------|
| 25040190 | A7 | Roof Special | 4 | 1 | Job Reference (optional) | 173141549 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:BbxjEoIILJJyUtfnL_NG9mzO8H1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

| | -0-10-8 <u>2</u> -5. | -4 6-4-3 6-4-1 -4 3-10-15 0-0-7 | 0 <u>13-5-12</u> 7-1-2 | <u> </u> | 23-6-3 5-0-11 5x8= | | 30-6-13 7-0-11 | | 36-11-0 6-4-3 |
|---|--|--|---|---|--|---|---|-------------------------------|---|
| 10-0-12 1-0-0 10-0-12 | 8x10= 0.0-1 1 2 20 0-1 1 20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 5x6 3x5 = 5 425 19 - 17 4x5 = 17 | 6 ¹² | 2x4 II 626 15 0= | 7 8 14 31 | 28 ^{2x4} II 298 13 | | 5x6* 9 12 | 30 4x5 x 10 11 |
| | | 4x5 II 3x6 II | | 2x4 II | 5x6= | 5x8= | | 2x4 II | 5x10 u |
| Scale = 1:69.2 | ⊢ <u>2-3-</u> 2-3- | -8 6-4-3 -8 4-0-11 | <u>13-4-0</u> 6-11-13 | <u>18-5-8</u> 5-1-8 | <u>23-5-0</u> 4-11-8 | 23-6-3 0-1-3 | <u>30-6-13</u> 7-0-11 | | 36-11-0 6-4-3 |
| Plate Offsets (| X, Y): [2:Edge,0-3-4] | , [3:0-6-8,0-3-3], [5:0-3- | 0,0-3-0], [9:0-3-0,0-3-0 |), [11:0-3-8,Edge], [13 | :0-3-4,0-3-0], [16: | 0-3-12,0-2-8], [1 | 8:0-0-8,0-1-12 | 2] | |
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC 0 BC 0 WB 0 Matrix-MSH | .57 Vert(LL) .97 Vert(CT) .61 Horz(CT) | in (loc) -0.21 16-17 -0.40 16-17 0.22 11 | I/defl L/d >999 240 >999 180 n/a n/a | PLATES MT20 Weight: 239 | GRIP 244/190 lb FT = 20% |
| LUMBER TOP CHORD BOT CHORD SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design | 2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E SP No.3 2x4 SP No.3 *Excep Right 2x6 SP 2400F Structural wood she 3-5-7 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (size) 11=0-3-8. Max Horiz 20=109 (I Max Grav 11=1586 (Ib) - Maximum Com Tension 1-2=0/33, 2-3=-389/ 4-6=-3951/270, 6-7= 7-8=-2547/349, 8-17 2-20=-486/101 19-20=-105/1469, 1 3-18=-280/4394, 17 16-17=-187/3496, 1 6-16=-395/179, 14-7 12-14=-142/253, 5-17= 3-19=-1701/128, 5-17= 3-19=-1701/128, 5-17= 3-19=-1701/128, 7-19=-12=0/201, 9-13=-4 ed roof live loads have the second | *Except* 19-18,6-15:27 bt* 13-7:2x4 SP No.2 2.0E 2-0-0 eathing directly applied of (cept end verticals. / applied or 10-0-0 oc 7-14, 5-16 , 20=0-3-8 LC 12) (LC 3), 20=1644 (LC 3) npression/Maximum /48, 3-4=-5350/357, =-2858/363, 1=-2949/256, 8-19=-91/1393, -18=-295/4591, 5-16=0/89, 15=-18/86, 1-12=-140/2540 =0/519, 3-20=-1826/120 16=-1141/112, =-1094/112, =-441/177, 13=-155/1025, 455/95 a been considered for | 2) Wind: ASCE Vasd=103mp 4(1); Exp B; Enn Exterior(2E) 18-5-8, Exter to 36-11-0 zc vertical left a forces & MW DOL=1.60 pl 3) TCLL: ASCE Plate DOL=1 3) TCLL: ASCE Plate DOL=1.15 pl Exp.; Cc=0.9 4) Unbalanced design. 5) This truss ha load of 12.0 t overhangs no 6) * This truss h on the bottom 3-06-00 tall b chord and ar 7) All bearings a LOAD CASE(S) | 7-16; Vult=130mph (3 bh; TCDL=6.0psf; BCI closed; MWFRS (enve 0-10-1 to 2-9-14, Inte ior(2R) 18-5-8 to 22-1 one; cantilever left and nd right exposed;C-C FRS for reactions shot ate grip DOL=1.33 7-16; Pr=20.0 psf; Pf ate DOL=1.15; Is=1.1 ;C S=1.00; Ct=1.10 snow loads have been s been designed for g psf or 2.00 times flat r on-concurrent with oth tas been designed for n chord in all areas wf y 2-00-00 wide will fit yo other members, with are assumed to be SF Standard | e-second gust) pl=6.0psf; h=25ft; elope) and C-C rior (1) 2-9-14 to -7, Interior (1) 22- right exposed ; er for members and wn; Lumber of LL: Lum DOL=1 13.9 psf (Lum D; Rough Cat B; Fr in considered for th reater of min roof bof load of 13.9 ps er live loads. a live loads of 20.0 here a rectangle between the botton b BCDL = 10.0psf. 2400F 2.0E . | Cat. 1-7 nd .15 ully is live if on psf m | | SE 280 OK NGI | AROUTINE SIGNATION AL 677 NEER SKIN |

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|--------------|-----|-----|----------------------------------|-----------|
| 25040190 | A8 | Roof Special | 1 | 1 | Job Reference (optional) | 173141550 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:49 ID:uUY5kWp4ado?BWgmxQlaRkzO8PP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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818 Soundside Road

Edenton, NC 27932

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|--------------|-----|-----|----------------------------------|-----------|
| 25040190 | A9 | Roof Special | 2 | 1 | Job Reference (optional) | 173141551 |

| | el Elect EleE |
|-----------|---|
| WEBS | 2x4 SP No.3 *Except* 13-7:2x4 SP No.2 |
| SLIDER | Right 2x6 SP 2400F 2.0E 2-0-0 |
| BRACING | |
| TOP CHORD | Structural wood sheathing directly applied or |
| | 3-1-3 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc |
| | bracing, Except: |
| | 6-0-0 oc bracing: 19-21,17-19,16-17,15-16. |
| WEBS | 1 Row at midpt 5-23 |

SP 2400F 2 0F

| REACTIONS | (size) 11= Mechanical, 27=0-3-8 |
|-----------|---|
| | Max Horiz 27=110 (LC 12) |
| | Max Grav 11=1893 (LC 3), 27=1956 (LC 3) |
| FORCES | (lb) - Maximum Compression/Maximum |
| | Tension |
| TOP CHORD | 1-2=0/33, 2-3=-455/14, 3-4=-6346/0, |
| | 4-6=-4746/0, 6-7=-3587/0, 7-8=-3211/0, |
| | 8-11=-3413/0, 2-27=-556/65 |
| BOT CHORD | 26-27=0/1738, 25-26=0/1636, 3-25=0/5210, |
| | 24-25=0/5451, 23-24=0/4210, 22-23=0/563, |
| | 6-23=-392/178, 20-22=0/1016, 18-20=0/2212 |
| | 14-18=0/2212, 12-14=0/2972, 11-12=0/2970, |
| | 21-23=0/2059, 19-21=-104/0, 17-19=-104/0, |
| | 16-17=-104/0, 15-16=-104/0 |
| WEBS | 5-23=-1208/90, 7-23=0/1856, 7-15=0/1253, |
| | 13-15=-3/1186, 8-13=-427/178, 5-24=0/567, |

9-13=-301/178, 9-12=-69/9, 3-27=-2159/0, 3-26=-2004/0, 19-20=-267/0, 17-18=-108/0, 14-16=-97/0, 21-22=-1128/0, 20-21=0/1463, 4-25=0/948, 4-24=-1242/34

NOTES

TCDL

BCLL

BCDL

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

Exterior(2E) -0-10-1 to 2-10-3, Interior (1) 2-10-3 to 18-5-8, Exterior(2R) 18-5-8 to 22-1-13, Interior (1) 22-1-13 to 36-8-0 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=1.33 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this

- design. 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
- 6) 200.0lb AC unit load placed on the bottom chord, 18-5-8 from left end, supported at two points, 5-0-0 apart.
- All plates are 2x4 MT20 unless otherwise indicated. 7) * This truss has been designed for a live load of 20.0psf 8)

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. 2, 9) Bearings are assumed to be: Joint 27 SP 2400F 2.0E .

10) Refer to girder(s) for truss to truss connections. LOAD CASE(S) Standard

3)

May 1,2025

Edenton, NC 27932

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | B1 | Common | 2 | 1 | Job Reference (optional) | 173141552 |

TCDL

BCLL

BCDL

WFBS

WEBS

2)

3)

4)

NOTES 1)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 12:37:50 ID:N6L5VzBkS6fj836dU40mALzODox-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

Martin Hall

818 Soundside Road

Edenton, NC 27932

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.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | B2 | Hip Girder | 1 | 1 | Job Reference (optional) | 173141553 |

Loading

TCDL

BCLL

BCDL

WEBS

WEBS

NOTES

1)

2)

3)

4)

SLIDER

Run: 8 73 S. Feb 19 2025 Print: 8 730 S Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 12:37:50 ID:dNRLWgijKJ4coguuVcHrPPzODoG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | C1 | Common Supported Gable | 1 | 1 | Job Reference (optional) | 173141554 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:50 ID:ajXQwHo4r8PiO7Cyx?4z5zzLYtg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

May 1,2025

818 Soundside Road Edenton, NC 27932

| Scol | <u> </u> | 1.20 |
|------|----------|------|
| Scal | e = | 1:39 |

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | 13 | (psf) 20.0 3.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC202 | 21/TPI2014 | CSI TC BC WB Matrix-MR | 0.14 0.05 0.13 | DEFL Vert(LL) Vert(CT) Horz(CT) | in n/a n/a 0.00 | (loc) - - 10 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 67 lb | GRIP 244/190 FT = 20% |
|--|--|---|---|--|--|---|--|---|--|-----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No 2x4 SP No 2x4 SP No 2x4 SP No Structural 6-0-0 oc p Rigid ceili bracing. (size) Max Horiz Max Uplift Max Grav | 0.2 0.2 0.3 wood shear purlins, exa ng directly 10=10-11 12=10-11 16=10-11 16=-124 (10=-55 (L 10=-134 (L 10=-134 (L 10=-134 (L 10=-134 (L 10=-179 (L 14=179 (L 16=-143 (L | athing directly applie sept end verticals. applied or 6-0-0 oc -0, 11=10-11-0, -0, 15=10-11-0, -0 LC 11) C 10), 11=-61 (LC 9 C 14), 14=-36 (LC 1 C 10), 16=-66 (LC 9 .C 29), 11=167 (LC 2 C 30), 15=172 (LC 2 C 30) | 2 ed or 3), 3), 5 30), 5 30), 7 22), 6 29), 7 | Wind: ASCE Vasd=103mp II; Exp B; End (3E) -0-9-14 (3R) 5-5-8 to cantilever lef right exposed for reactions DOL=1.33 Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15 PI Exp.; Ce=0.9 This truss ha load of 12.0 g overhangs no All plates are Gable require | 7-16; Vult=130mp bh; TCDL=6.0psf; closed; MWFRS (e to 2-2-2, Exterior(2 8-5-8, Exterior(2N t and right expose d;C-C for members shown; Lumber D ed for wind loads ds exposed to wird I Industry Gable E alified building det 7-16; Pr=20.0 psf; 15); Pg=20.0 psf; ate DOL=1.15); Is b; Cs=1.00; Ct=1.1 s been designed f psf or 2.00 times fi pn-concurrent with 2x4 MT20 unless es continuous bott will we boatbad from | h (3-sec BCDL=6 envelope 2N) 2-2- i) 8-5-8 d ; end v s and fo OL=1.60 in the pl nd (norm ind Deta signer a: f (roof LL F[=13.5] =1.0; Rc 0 for great lat roof h i other li c other li c other li c other li c other li | cond gust) 5.0psf; h=25ft b) and C-C C 2 to 5-5-8, Cr to 11-8-14 zc vertical left ar rcces & MWFF 0 plate grip ane of the tru al to the face ils as applica s per ANSI/TI .: Lum DOL= 0 psf (Lum ough Cat B; F er of min roof 0 psd of 13.9 p ve loads. se indicated. d bearing. | ; Cat. orner orner one; id RS), ble, PI 1. 1.15 fully flive sf on | | | | | |
| FORCES | (lb) - Maxi Tension | imum Com | pression/Maximum | 0 | braced again | st lateral moveme | nt (i.e. c | liagonal web) | | | | | WH CA | ROUL |
| TOP CHORD | 2-16=-115 3-4=-61/1 6-7=-63/1 8-10=-110 | 5/115, 1-2= 45, 4-5=-1 47, 7-8=-6)/114 | 0/47, 2-3=-78/80, 17/257, 5-6=-117/25 7/70, 8-9=0/47, | 57, ³ | 0) * This truss h on the botton 3-06-00 tall b | n chord in all areas of 2-00-00 wide wi | I for a liv s where Il fit betv | e load of 20.0 a rectangle veen the botte | Opsf om | | | N.V. | OP | M |
| BOT CHORD | 15-16=-63 | 3/71, 14-15 | =-63/71, 13-14=-63/ | /71, 1 /71 | 1) All bearings a | are assumed to be | SP No. | 2. | | | | | SEA | 1 1 1 |
| WEBS | 5-13=-243 3-15=-143 7-11=-142 | 3/48, 4-14= 3/146, 6-12 2/146 | 176/151, =-176/151, | · · 1: | Provide mecl bearing plate 16, 55 lb upli uplift at joint joint 11. | hanical connection capable of withsta ft at joint 10, 36 lb 15, 36 lb uplift at jo | n (by oth anding 6 uplift at oint 12 a | ers) of truss f 66 lb uplift at j joint 14, 67 ll ind 61 lb uplif | io oint o t at | | HITE. | | 2867 | 77 |
| Unbalance this design | ed roof live l n. | oads have | been considered for | Ĺ | OAD CASE(S) | Standard | | | | | | | NN L.G | ALINGUIN |

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|---------------|-----|-----|----------------------------------|-----------|
| 25040190 | C2 | Common Girder | 1 | 2 | Job Reference (optional) | 173141555 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:50 ID:iVLIDXAunMBS?kVjhlc?JIzLYfC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

Scale = 1:43.3

Plate Offsets (X, Y): [1:Edge,0-9-0], [3:Edge,0-9-0], [5:0-5-0,0-4-12], [6:0-5-0,0-4-12]

| | | | , | 1.1 | - | | | | | | | | | |
|--|---|--|--|--|---|--|--|--|--------------------------|-------------------------------|--------------------------|--|---|--|
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 NO IRC202 | 1/TPI2014 Wind: ASCE | CSI TC BC WB Matrix-MSH 7-16; Vult=130mp | 0.55 0.28 0.62 h (3-sec | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.03 -0.07 0.00 | (loc) 5-6 5-6 4 | l/defl >999 >999 n/a | L/d 240 180 n/a | PLATES MT20 MT20HS Weight: 149 lb | GRIP 244/190 187/143 FT = 20% | |
| TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) 2-ply truss (0.131"x3" Top chord 0c. Bottom ch staggered Web conn 2) All loads a except if n CASE(S) s provided t unless oth 3) Unbalance this design | 2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.3 *Excep Structural wood she 5-5-14 oc purlins, e Rigid ceiling directly bracing. (size) 4=0-3-8, 7 Max Horiz 7=-107 (L Max Grav 4=5356 (I (lb) - Maximum Com Tension 1-2=-4474/0, 2-3=-4 3-4=-3708/0 6-7=-22/573, 5-6=0/ 1-6=0/3013, 3-5=0/2 2-5=0/2984 to be connected toge nails as follows: s connected as follows: ords connected as follows: ected as follows: 2x4 - tre considered equally oted as front (F) or ba section. Ply to ply conro o distribute only loads terwise indicated. ad roof live loads have n. | et* 7-1,4-3:2x4 SP Not athing directly applie xcept end verticals. applied or 10-0-0 oc 7=0-3-8 C 30) C 3), 7=4442 (LC 3) pression/Maximum 570/0, 1-7=-3655/0, 2522, 4-5=0/602 2979, 2-6=0/2753, ther with 10d s: 2x4 - 1 row at 0-9-0 ows: 2x6 - 3 rows - 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO nections have been noted as (F) or (B), been considered for | 0.2 d or 5) 6) 7) 8) 9) 10 10 11 LC 1) AD | Vasd=103mj II; Exp B; En and right exp Lumber DOL TCLL: ASCE Plate DOL=1 DOL=1.15 P Exp.; Ce=0.9 All plates are * This truss F on the bottor 3-06-00 tall th chord and ar All bearings Use Simpson 14-10dx1 1/2 left end to cc chord. Use Simpson 14-10dx1 1/2 spaced at 2- end to 9-10- bottom chore Fill all nail ho Dead + Snc Increase=1 Uniform Lo: Vert: 1-2 Concentrativ Vert: 6=- 10=-1414 | bh; TCDL=6.0psf; l closed; MWFRS (e bosed; end vertica =1.60 plate grip D : 7-16; Pr=20.0 psf; late DOL=1.15); ls 0; Cs=1.00; Ct=1.1 e MT20 plates unle as been designed m chord in all areas by 2-00-00 wide win y other members. are assumed to be n Strong-Tie HTU2 2 Truss) or equival- nect truss(es) to n Strong-Tie HTU2 2 Truss, Single Ply 0-0 oc max. startin 12 to connect truss d. bles where hanger Standard bw (balanced): Lun 15 ads (lb/ft) =-48, 2-3=-48, 4-7: ed Loads (lb) 1411 (B), 8=-1216 4 (B), 11=-1415 (B | BCDL=6 envelope I left and OL=1.3: (roof LL Pf=13.9 =1.0; Rc 0 ss other ss other ss other for a liv ss other for a liv ss other the for a liv ss other shore a liv ss other shore a liv ss other ss other a for a liv ss other the for a liv ss other ss other a for a liv ss other a for a liv si in cor a (B), 9=- | .0psf; h=25ft a right expose a right expose b psf (Lum DOL= b psf (Lum DOL= b psf (Lum DOL= c lum Dough Cat B; F wise indicate e load of 20. a rectangle veen the bott 0F 2.0E . 5d Girder, 10-12 from the cod Girder, or equivalen 0-12 from the boack face of that the lum rease=1.15, 1411 (B), | t; Cat. left ed; f1.15 Fully ed. Opsf dom he t e left Plate | | | | SEA 2867 | RO L Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z | |

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May 1,2025

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | D1 | Monopitch | 4 | 1 | Job Reference (optional) | 173141556 |

Scale = 1:40.6

5-0-4

Plate Offsets (X, Y): [4:0-3-0,0-3-0], [7:0-3-0,0-3-0]

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021 | I/TPI2014 | CSI TC BC WB Matrix-MSH | 0.47 0.58 0.74 | DEFL Vert(LL) Vert(CT) Horz(CT) | in -0.08 -0.30 0.03 | (loc) 6-7 6-7 6 | l/defl >999 >476 n/a | L/d 240 180 n/a | PLATES MT20 Weight: 83 lb | GRIP 244/190 FT = 20% | |
|---|--|--|--|--|--|---|---|---|--------------------------|-------------------------------|--|---------------------------------|------------------------------------|--|
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD WEBS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 4-3-6 oc purlins, exx Rigid ceiling directly bracing. (size) 2=0-3-0, 6 Max Horiz 2=136 (LC Max Uplift 2=-44 (LC Max Grav 2=703 (LC (b) - Maximum Com Tension 1-2=0/16, 2-3=-1632 5-6=-163/91 2-8=-381/1568, 6-8= 3-7z=-442/183, 4-7=0 | athing directly applie cept end verticals. applied or 9-1-14 oc 3= Mechanical, 8=0- 2 14) 11), 6=-26 (LC 15) 2 2), 6=667 (LC 22), 2 2) pression/Maximum /305, 3-5=-1252/192 381/1568 /458, 4-6=-912/223 | 4) 5) d or 6) 3-8 7) 3-8 8) LC | This truss ha load of 12.0 y overhangs ne * This truss h on the bottom 3-06-00 tall b chord and ar Bearings are SP No.2 . Refer to girde Provide meci bearing plate 6 and 44 lb u DAD CASE(S) | s been designed for on-concurrent with has been designed in chord in all areas by 2-00-00 wide will by other members. assumed to be: Jo er(s) for truss to tru- hanical connection is capable of withsta plift at joint 2. Standard | or great tat roof k other liv for a liv where I fit betw bint 2 SF iss conr (by oth unding 2 | er of min rool pad of 13.9 p e loads. e load of 20.1 a rectangle veen the bott P No.2 , Joint rections. ers) of truss i 6 lb uplift at j | f live sf on Opsf om t 8 to joint | | | | | | |
| NOTES NOTES 1) Wind: AS(Vasd=103 II; Exp B; Exterior(2 17-10-12: vertical lef forces & N DOL=1.60 2) TCLL: AS Plate DOL | CE 7-16; Vult=130mph Smph; TCDL=6.0psf; B(Enclosed; MWFRS (en E) -0-10-5 to 2-1-11, In zone; cantilever left and t and right exposed;C- WFRS for reactions sl plate grip DOL=1.33 CE 7-16; Pr=20.0 psf; F =1.15): Pg=20.0 sf; F | (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C terior (1) 2-1-11 to dright exposed; enc C for members and hown; Lumber roof LL: Lum DOL=1 Ye=13.9 psf (Lum | Cat. 1 .15 | | | | | | | . and the second | and the second sec | SEA 2867 | ROJU DEL 7 | A CONTRACTOR OF THE OWNER OF THE |

DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

3) Unbalanced snow loads have been considered for this design.

OKN L. GAL ////////

May 1,2025

Page: 1

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|---------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | D2 | Monopitch Supported Gable | 1 | 1 | Job Reference (optional) | 173141557 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:jx5bKr0sINTkrEh79xsu0YzLYcp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|-----------------|-----|-----|----------------------------------|-----------|
| 25040190 | D3 | Half Hip Girder | 1 | 1 | Job Reference (optional) | 173141558 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:YJs?T947mlafSEVP?fLNqCzLYY_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | D4 | Half Hip | 2 | 1 | Job Reference (optional) | 173141559 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:9vPHOehYRALnvg9zI4EZjFzLYSv-RfC?PsB70Hg3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | D5 | Half Hip | 3 | 1 | Job Reference (optional) | 173141560 |

4-8-0

Page: 1

Scale = 1:45.8

Plate Offsets (X, Y): [3:0-2-4,0-3-4], [5:0-5-8,0-1-8], [10:0-3-0,0-3-0]

| TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | 20.0 18.9/20.0 10.0 0.0* 10.0 | Plate Grip DOL Lumber DOL Rep Stress Incr Code | 1.15 1.15 NO IRC202 | 1/TPI2014 | TC BC WB Matrix-MSH | 0.65 0.82 0.53 | Vert(LL) Vert(CT) Horz(CT) | -0.09 -0.21 0.04 | 10 10-15 7 | >999 >999 n/a | 240 180 n/a | MT20 Weight: 91 lb | 244/190 FT = 20% | |
|---|--|---|---------------------------------|---|---|---|---|----------------------------------|------------------|---------------------|-------------------|-----------------------|---------------------|---------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 3-8-2 oc purlins, exo 2-0-0 oc purlins (5-4 Rigid ceiling directly bracing, Except: 8-2-2 oc bracing: 1-1 | athing directly applied cept end verticals, an -13 max.): 5-8, 5-6. applied or 10-0-0 oc | 3) 4) d or (d 5) 6) | Plate DOL=1 DOL=1.15 Pl Exp.; Ce=0.9 Unbalanced a design. Provide adece * This truss h on the bottom 3-06-00 tall b chord and an | 1-16, PI=20.0 psr 15); Pg=20.0 psr; ate DOL=1.15); Is- ; Cs=1.00; Ct=1.10; snow loads have b uate drainage to p as been designed a chord in all areas y 2-00-00 wide will y other members. | revent v for a liv where fit betv | Def (Lum DOLE) Posf (Lum Dough Cat B; F)-0-0 Insidered for t water pondin e load of 20. a rectangle veen the bott | Fully his g. Opsf om | | | | | | |
| REACTIONS | (size) 1=0-3-0, 7 Max Horiz 1=189 (LC Max Uplift 1=-6 (LC Max Grav 1=860 (LC | √- Mechanical C 15) 11), 7=-38 (LC 15) C 40), 7=1086 (LC 40 | 7) 8) 9) | Bearings are Refer to girde Provide mech bearing plate Z and 6 lb up | assumed to be: Jo er(s) for truss to tru nanical connection capable of withsta | oint 1 SI ss conr (by oth anding 3 | P No.2 . nections. ers) of truss 8 lb uplift at | to joint | | | | | | |
| FORCES | (lb) - Maximum Com Tension 1-2=-2156/294, 2-4= 5-8=-933/274, 4-5=-8 6-7=-1061/315 | pression/Maximum 1619/164, 87/64, 5-6=-1136/267 | 10 ^{7,} LC | Graphical pu or the orienta bottom chord Dad CASE(S) | rlin representation tion of the purlin al Standard | does no long the | ot depict the set top and/or | size Plata | | | | | | |
| BOT CHORD WEBS | 1-9=-507/2066, 8-9= 6-8=-316/1328, 3-9= 3-10=-28/680, 2-10= | -210/1181, 7-8=-45/1 0/143, 5-9=-314/57, -634/211, 3-5=-1158 | 121 ¹⁾ /197 | Increase=1. Uniform Loa Vert: 1-4= | ads (lb/ft) -48, 5-6=-408, 7-1 | 1=-20 | Tease=1.15, | Fidle | | | | TH CA | ROIT | |
| NOTES 1) Unbalanc: this design 2) Wind: AS(Vasd=103 II; Exp B; Exterior(2 zone; can and right e MWFRS fi grip DOL= | ed roof live loads have n. CE 7-16; Vult=130mph mph; TCDL=6.0psf; B(Enclosed; MWFRS (en E) 0-0-0 to 3-0-0, Interi tilever left and right exp exposed;C-C for memb or reactions shown; Lu =1.33 | been considered for (3-second gust) CDL=6.0psf; h=25ff; (velope) and C-C or (1) 3-0-0 to 17-10- osed ; end vertical le ers and forces & mber DOL=1.60 plate | Cat. 12 sft | | | | | | | | NV STILL | SEA 2867 | ER ST | and and the second second |

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818 Soundside Road Edenton, NC 27932

May 1,2025

GA mm 111

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|--------------------------|-----|-----|----------------------------------|-----------|
| 25040190 | D6 | Half Hip Supported Gable | 1 | 1 | Job Reference (optional) | 173141561 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:EhVxWSJctLDm_GPj9De_8WzLYQp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

| 1 | 16-10-4 | 18-0-8 |
|---|---------|--------|
| Ì | 16-10-4 | 1-2-4 |

Scale = 1:39.2

| Plate Offsets (| X, Y): [6:0-3-0,0-3-0], | [16:0-3-0,0-3-0] | | | | | | | | | | | | |
|--|---|---|--|---|--|---|---|--|----------------------|---|---|---|------------------------------------|-------------|
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 18.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 NO IRC2021 | /TPI2014 | CSI TC BC WB Matrix-MSH | 0.35 0.30 0.07 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 1 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 83 lb | GRIP 244/190 FT = 20% | 6 |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 1 (size) 1=18-0-8, 13=18-0-8 13=18-0-6 Max Horiz 1=184 (LC Max Uplift 11=-57 (LC 13=-13 (L 15=-7 (LC 18=-25 (L Max Grav 1=190 (LC 12=296 (L 14=189 (L 16=224 (L 16=224 (L) | athing directly applied cept end verticals, an -0 max.): 9-12, 9-10. applied or 6-0-0 oc 1-12. 11=18-0-8, 12=18-0- 3, 14=18-0-8, 15=18-(2, 15), 12=-22 (LC 11) C 15), 14=-7 (LC 11), C 15), 16=-8 (LC 15), C 15), 16=-8 (LC 15), C 40), 11=268 (LC 32 C 34), 13=190 (LC 4 C 40), 15=181 (LC 4 C 40), 17=37 (LC 40) | 1) 1) 2) 1 or d 3) 8, 8, 4) 8, 4) 8, 5) 8, (-5) 8, (-5) 8, (-5) 8, (-7) 9, (-7) 9, (-7) 9, (-7) 9, (-7) 9, (-7) 9, (-7) 9, (-7) 9, (-7) (| Unbalanced r this design. Wind: ASCE Vasd=103mp II; Exp B; End (3E) 0-0-0 to cantilever left right exposed for reactions DOL=1.33 Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15 Pl Exp.; Ce=0.9 Unbalanced s design. Provide adeq All plates are Gable require Gable studs s * This truss h | roof live loads have 7-16; Vult=130mpt bh; TCDL=6.0psf; B closed; MWFRS (el 3-0-0, Exterior(2N) t and right exposed d;C-C for members shown; Lumber DC ed for wind loads ir ids exposed to wind 1 Industry Gable Er alified building desi 7-16; Pr=20.0 psf; 13t; Pg=20.0 psf; 13t; PG=2.0.0 psf; 13t; PG=2.0.0 psf; 13t; CS=1.00; Ct=1.10; snow loads have be juate drainage to p 2x4 MT20 unless of spaced at 2-0-0 oc. ias been designed | a been of a been of a been of a constant a consta | considered for considered for .0psf; h=25ft; .0 and C-C Co o 17-10-12 zc retrical left and ces & MWFR .0 plate grip ane of the trus al to the face) lis as applicate s per ANSI/TP .1 Lum DOL=1 psf (Lum pugh Cat B; Fu -0-0 isidered for th water ponding se indicated. d bearing. e load of 20.0 | Cat. rrner d S S S S S S S S S S S S S S S S S S | 1) De Inc Ur | aad + Sn crease= iiform Lc Vert: 1-8 | ow (ba 1.15 bads (II 3=-48, | alanced): Lumbe b/ft) 9-10=-408, 11-1 | 9=-20 | 1.15, Plate |
| FORCES | (lb) - Maximum Com Tension 1-2=-197/111, 2-3=- | pression/Maximum 142/79, 3-4=-126/83, | 11) | on the botton 3-06-00 tall b chord and an | n chord in all areas by 2-00-00 wide will by other members. | where fit betw | a rectangle veen the botto | m | | | | | 1 | |
| BOT CHORD WEBS | 4-5=-99/74, 5-7=-76, 9-12=-300/133, 8-9= 10-11=-304/93 1-18=-110/152, 17-1 14-15=-39/77, 13-14 11-12=-30/70 7-13=-154/85, 6-14= 4-16=-168/92, 3-17= | /67, 7-8=-48/47, 57/33, 9-10=-40/34, 8=-39/78, 15-17=-39, I=-40/78, 12-13=-40/7 148/83, 5-15=-146/8 57/40, 2-18=-339/17 | (78, (78, (8, (32, (5) (75) (75) | Provide mech bearing plate 11, 22 lb uplif at joint 14, 7 25 lb uplift at Graphical pui or the orienta bottom chord | capable of withsta capable of withsta ft at joint 12, 13 lb u lb uplift at joint 15, joint 18. rlin representation ation of the purlin al l. | (by oth nding 5 uplift at 8 lb upl does no ong the | 2. ers) of truss to 7 lb uplift at jo joint 13, 7 lb u ift at joint 16 a ot depict the si top and/or | o bint uplift and ize | | THURS. | J. M. | 286 286 | EEP. SV | A Strange |
| | | | LO | AD CASE(S) | Standard | | | | | | | | | |

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|---------------------|-----|-----|----------------------------------|-----------|
| 25040190 | E1 | Diagonal Hip Girder | 2 | 1 | Job Reference (optional) | 173141562 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:41xtbOJ05AwILbtY3BB6aSzODon-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

Scale = 1:41.7

Plate Offsets (X, Y): [7:0-2-8,0-3-0]

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 NO IRC2021/TI | PI2014 | CSI TC BC WB Matrix-MP | 0.19 0.09 0.10 | DEFL Vert(LL) Vert(CT) Horz(CT) | in 0.00 0.00 0.00 | (loc) 6 6-7 5 | l/defl >999 >999 n/a | L/d 240 180 n/a | PLATES MT20 Weight: 32 lb | GRIP 244/190 FT = 20% | |
|---|--|--|--|--|---|---|---|-------------------------------------|------------------------|-------------------------------|--------------------------|---------------------------------|------------------------------------|---|
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD WEBS NOTES 1) Wind: ASC Vasd=103 II; Exp B; F and right e Lumber DC 2) TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce= 3) Unbalance design. 4) This truss load of 12. overhangs | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 5-6-6 oc purlins, exx Rigid ceiling directly bracing. (size) 5= Mecha Max Horiz 7=79 (LC Max Uplift 5=-8 (LC - Max Grav 5=233 (LC (Ib) - Maximum Com Tension 2-7=-292/50, 1-2=0% 3-4=-49/20, 4-5=-78, 6-7=-77/10, 5-6=-17, 2-6=0/236, 3-6=0/43 CE 7-16; Vult=130mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (en enclosed; end vertical I DL=1.60 plate grip DO DC 7-16; Pr=20.0 psf (=1.15); Pg=20.0 psf; F Plate DOL=1.15); Is= Plate DOL=1.15; Is= has been designed for 0 psf or 2.00 times flat non-concurrent with c | athing directly applie cept end verticals. applied or 10-0-0 oc 11), 7=-38 (LC 7) C 18), 7=315 (LC 18) pression/Maximum 34, 2-3=-275/2, /14 (3-second gust) CDL=6.0psf; h=25ft; ivelope); cantilever le eft and right exposed UL=1.33 roof LL: Lum DOL=1 Pf=13.9 psf (Lum 1.0; Rough Cat B; Fu een considered for thi r greater of min roof I t roof load of 13.9 ps ther live loads. | 5) * 0 3 0 6) B 7 9) "" (0 10) Ir 0 LOAI 1) Cat. 4 5 15 Illy is ive f on | This truss h on the bottom i-06-00 tall b shord and an gearings are revide mech earing plate of and 8 lb up NAILED" inc 0.148"x3.25" in the LOAD of the truss a D CASE(S) Dead + Sno Increase=1. Uniform Loa Vert: 1-2= Concentrate Vert: 6=- | as been designed in chord in all areas y 2-00-00 wide wil y other members. assumed to be: Jo er(s) for truss to tru- nanical connection capable of withsta lift at joint 5. lift | for a liv s where I fit betw bint 7 SF iss conr (by oth- anding 3 8"x3") c S guidlin loads ap F) or bac her Inco =-20 | e load of 20.0 a rectangle veen the botto P No.2 . ections. ers) of truss to 8 lb uplift at ju rr 2-12d nes. oplied to the f ck (B). rease=1.15, F | opsf om opint ace Plate | | | | SEA 2867 | ROUTE TALING | and and and a second |

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | E2 | Jack-Open | 3 | 1 | Job Reference (optional) | 173141563 |

4-0-0

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:51 ID:CGiMI1FV1yQss_ZnqL7APczODor-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

Scale = 1:28.4

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.29 0.19 0.00 | DEFL Vert(LL) Vert(CT) Horz(CT) | in 0.01 -0.02 -0.01 | (loc) 4-5 4-5 3 | l/defl >999 >999 n/a | L/d 240 180 n/a | PLATES MT20 Weight: 15 lb | GRIP 244/190 FT = 20% | |
|--|--|--|---|---|---|--|------------------------------|--------------------------|-------------------------------|--------------------------|-----------------------------------|------------------------------------|--|
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: AS(Vasd=103 II; Exp 8; Exterior(2 3-11-4 zor vertical lef forces & M DOL=1.6C 2) TCLL: AS Plate DOL DOL=1.15 Exp; Ce= 3) Unbalancc design. 4) This truss load of 12 overhangs | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 4-0-0 oc purlins, exa Rigid ceiling directly bracing. (size) $3=$ Mecha 5=0-3-0 Max Horiz $5=55$ (LC Max Uplift $3=-35$ (LC Max Uplift $3=-35$ (LC Max Grav $3=127$ (LC 5=266 (LC (lb) - Maximum Com Tension 2- $5=-236/137$, $1-2=0$ 4- $5=0/0$ CE 7-16; Vult=130mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (on E) -0-10-1 to 2-1-15, In e; cantilever left and r t and right exposed;C-/ MWFRS for reactions s1 Oplate grip DOL=1.33 CE 7-16; Pr=20.0 psf; IS 5 Plate DOL=1.15); IS= 0.9; CS=1.00; Ct=1.10 ed snow loads have be has been designed for .0 psf or 2.00 times flat s non-concurrent with c | athing directly applied cept end verticals. applied or 10-0-0 oc inical, 4= Mechanical 15) 15) 22), 4=45 (LC 22), 22) pression/Maximum 33, 2-3=-75/50 (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C tretrior (1) 2-1-15 to ight exposed ; end C for members and hown; Lumber roof LL: Lum DOL=1. 2f=13.9 psf (Lum 1.0; Rough Cat B; Fu een considered for thi r greater of min roof I t roof load of 13.9 psf ther live loads. | 5) * This truss on the bott 3-06-00 tal chord and 6) Bearings a 8) Provide me bearing pla 3. LOAD CASE(S) Cat. | has been designed om chord in all area: I by 2-00-00 wide wi any other members. re assumed to be: , ider(s) for truss to tru- ichanical connection te capable of withst i) Standard | I for a liv s where II fit betw Joint 5 S uss conr h (by oth anding 3 | e load of 20. a rectangle veen the bott SP No.2 . iections. ers) of truss i 5 lb uplift at j | 0psf om to joint | | | | ORTH CA SEA 2867 OL NGIN | ROUL ALINGUIN | |

May 1,2025

818 Soundside Road Edenton, NC 27932

L. GAL

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | E3 | Jack-Open | 4 | 1 | Job Reference (optional) | 173141564 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:52 ID:k38_YhFtGeH0Fq_bGecxtOzODos-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

-0-10-8 1-10-15 0-10-8 1-10-15

Scale = 1:26.6

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021 | /TPI2014 | CSI TC BC WB Matrix-MR | 0.10 0.05 0.00 | DEFL Vert(LL) Vert(CT) Horz(CT) | in 0.00 0.00 0.00 | (loc) 4-5 4-5 3 | l/defl >999 >999 n/a | L/d 240 180 n/a | PLATES MT20 Weight: 8 lb | GRIP 244/190 FT = 20% |
|--|--|---|--|--|--|--|--|----------------------------|--------------------------|--|--------------------------|--------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 1-10-15 oc purlins, Rigid ceiling directly bracing. (size) 3= Mecha 5=0-3-0 Max Horiz 5=32 (J C | athing directly applie except end verticals. applied or 10-0-0 oc nical, 4= Mechanical 12) | 5) d or 7) 8) , LO | * This truss h on the botton 3-06-00 tall b chord and an Bearings are Refer to girde Provide mech bearing plate 3. AD CASE(S) | as been designed in chord in all areas y 2-00-00 wide will y other members. assumed to be: , J er(s) for truss to tru nanical connection capable of withsta Standard | for a liv where fit betv loint 5 S ss conr (by oth nding 1 | e load of 20.0 a rectangle veen the botto SP No.2 . lections. ers) of truss t 8 lb uplift at j | Dpsf om o oint | | | | | |
| FORCES TOP CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=103r II; Exp B; E Exterior(2E vertical left forces & M DOL=1.60 2) TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce=C 3) Unbalance design. 4) This truss I load of 12.1 overhangs | Max Uplift 3=-18 (LC Max Uplift 3=-18 (LC Max Grav 3=44 (LC (LC 22) (lb) - Maximum Com Tension 2-5=-145/98, 1-2=0/ 4-5=0/0 E 7-16; Vult=130mph mph; TCDL=6.0psf; Bi Enclosed; MWFRS (er E) zone; cantilever left and right exposed;C- WFRS for reactions s plate grip DOL=1.33 CE 7-16; Pr=20.0 psf; C =1.15); Pg=20.0 psf; F Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10 d snow loads have be has been designed for 0 psf or 2.00 times flar non-concurrent with c | (15) (22), 4=18 (LC 13), 5 (3), 500 (gust) (3), 2-3=-34/22 (4), 2-3=-34/22 (5), 2-3=-34/22 (5), 2-3=-34/22 (5), 2-3=-34/22 (6), 2-3=-34/22 (7), 2-3=-34/22<td>=165 Cat. end .15 .19 s ive fon</td><td></td><td></td><td></td><td></td><td></td><td></td><td>. and the second s</td><td>and States</td><td>SEA 2867</td><td>ROJULT PROVIDENT</td> | =165 Cat. end .15 .19 s ive fon | | | | | | | . and the second s | and States | SEA 2867 | ROJULT PROVIDENT |

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V1 | Valley | 1 | 1 | Job Reference (optional) | 173141565 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:52 ID:cPkGwCkhwCNLtcjIMQcZZJzLYq5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

May 1,2025

818 Soundside Road Edenton, NC 27932

Scale = 1:57.7

Plate Offsets (X, Y): [6:0-2-8,Edge], [9:0-3-11,Edge], [12:0-2-8,0-0-3]

| | | | - | | | | | | | | | | |
|--------------|-------------------------|--|------------------|-----------------|-------------------------------|-----------------------|-------------------------------------|-----------|-------|--------|-----|---|--|
| 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 | | тс | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| Snow (Pf/Pg) | 13.9/20.0 | Lumber DOL | 1.15 | | BC | 0.11 | Vert(TL) | n/a | - | n/a | 999 | | |
| TCDL | 10.0 | Rep Stress Incr | YES | | WB | 0.15 | Horiz(TL) | 0.00 | 9 | n/a | n/a | | |
| BCLL | 0.0* | Code | IRC2021 | I/TPI2014 | Matrix-MSH | | | | | | | | |
| BCDL | 10.0 | | | | | | | | | | | Weight: 90 lb | FT = 20% |
| LUMBER | | | 2) | Wind: ASCE | 7-16; Vult=130mpl | h (3-seo | cond gust) | | | | | | |
| TOP CHORD | 2x4 SP No.2 | | , | Vasd=103mp | oh; TCDL=6.0psf; E | SCDL=6 | .0psf; h=25ft; | Cat. | | | | | |
| BOT CHORD | 2x4 SP No.2 | | | II; Exp B; En | closed; MWFRS (e | nvelope | e) and C-C | | | | | | |
| OTHERS | 2x4 SP No.3 | | | Exterior(2E) | 0-0-5 to 2-9-6, Inte | rior (1) | 2-9-6 to 10-9- | ·6, | | | | | |
| BRACING | | | | Exterior(2R) | 10-9-6 to 13-9-6, Ir | nterior (| 1) 13-9-6 to | | | | | | |
| TOP CHORD | Structural wood she | athing directly applied | d or | 15-9-6 zone; | cantilever left and | right ex | posed ; end | | | | | | |
| | 6-0-0 oc purlins. | 3 , | | vertical left a | nd right exposed;C | -C for r | nembers and | | | | | | |
| BOT CHORD | Rigid ceiling directly | applied or 10-0-0 oc | | forces & MW | FRS for reactions | shown; | Lumber | | | | | | |
| | bracing. | | 2) | DOL=1.60 pl | ate grip DOL=1.33 | | | | | | | | |
| REACTIONS | (size) 1=15-9-2 | , 9=15-9-2, 10=15-9-2 | <u>2</u> , 3) | I russ design | ed for wind loads it | n the pl | ane of the tru | SS \ | | | | | |
| | 11=15-9-2 | 2, 12=15-9-2, 13=15- | 9-2, | coo Standard | lus exposed to wind | u (norm | |), blo | | | | | |
| | 14=15-9-2 | 2, 15=15-9-2, 16=15- | 9-2 | or consult au | alified building des | igner a | s ner ANSI/TE | DI 1 | | | | | |
| | Max Horiz 1=161 (LO | C 10) | 4) | TCLL · ASCE | 7-16 [.] Pr=20.0 psf | (roof I I | \cdot Lum DOI = | 1 15 | | | | | |
| | Max Uplift 9=-12 (LC | C 12), 10=-8 (LC 14), | ., | Plate DOL=1 | .15): Pa=20.0 psf: | Pf=13.9 |) psf (Lum | | | | | | |
| | 11=-26 (L | .C 14), 12=-39 (LC 14 | l), | DOL=1.15 PI | ate DOL=1.15); Is= | =1.0; Ro | ough Cat B; F | ully | | | | | |
| | 13=-40 (L | .C 13), 14=-40 (LC 13 | 3), | Exp.; Ce=0.9 | ; Cs=1.00; Ct=1.10 | <u>`</u> | 0 , | , | | | | | |
| | 15=-41 (L | .C 13), 16=-31 (LC 13 | ³⁾ 5) | All plates are | 2x4 MT20 unless | otherwi | se indicated. | | | | | | |
| | Max Grav 1=155 (L0 | C 30), 9=114 (LC 31), | (6) | Gable require | es continuous botto | om choi | d bearing. | | | | | | |
| | 10=152 (1 | C 2), 11=202 (LC 29 C 12) 13=171 (LC 28 |), 7) | Gable studs | spaced at 2-0-0 oc | | | | | | | | |
| | 14-173 (1 | (10, 12), 13 = 171 (10, 20) | 8) 8) | * This truss h | as been designed | for a liv | e load of 20.0 |)psf | | | | | |
| | 16=246 (1 | _C 28) | .0), | on the botton | n chord in all areas | where | a rectangle | | | | | , in the second | inin, |
| FORCES | (lb) - Maximum Corr | pression/Maximum | | 3-06-00 tall b | y 2-00-00 wide will | l fit betv | veen the botto | om | | | | TH CA | Roill |
| | Tension | | 0) | All boarings | iy other members. | | 2 | | | | N | A | in the |
| TOP CHORD | 1-2=-250/144, 2-3=- | 185/85, 3-4=-135/45, | 9) 10 |) Provide med | hanical connection | (by oth | Are) of trues t | <u> </u> | | | 22 | | DV. St. |
| | 4-5=-117/21, 5-6=-1 | 27/49, 6-7=-128/49, | 10 | bearing plate | canable of withsta | ndina 1 | 2 lb unlift at i | oint | | - | : ` | | 13: 1 |
| | 7-8=-115/21, 8-9=-1 | 05/34 | | 9 39 lb unlift | at joint 12 40 lb u | nlift at i | ant 13 40 lb | unlift | | - | | 1 | - X |
| BOT CHORD | 1-16=-31/150, 15-16 | 6=-24/84, 14-15=-24/8 | 34, | at joint 14, 4 | 1 lb uplift at joint 15 | 5. 31 lb | uplift at ioint 1 | 6. | | - | : | SEA | 1 1 2 |
| | 13-14=-24/84, 12-13 | 3=-24/84, 11-12=-47/ | 123, | 26 lb uplift at | joint 11 and 8 lb u | plift at j | oint 10. | -, | | = | | | <u>-</u> : : |
| | 10-11=-47/116, 9-10 |)=-36/94 | . 11 |) Beveled plate | e or shim required | to provi | de full bearing | 3 | | = | | 286 | 11 ÷ E |
| WEBS | 5-13=-162/92, 4-14= | =-153/88, 3-15=-143/8 | 32, | surface with | truss chord at joint | (s) 9, 1 ⁻ | I, 10. | | | - | | : | 1 5 |
| | 2-10=-186/79, 7-11= | =-107/94, 8-10=-128/6 | ^{D4} LC | AD CASE(S) | Standard | | | | | | 2 | · . | A 1 . 3 |
| NOTES | | | | | | | | | | | - 4 | NGIN | FERRICE |
| 1) Unbalance | ed roof live loads have | been considered for | | | | | | | | | 11 | YA | |
| this desigr | n. | | | | | | | | | | | IL G | ALILIN |
| | | | | | | | | | | | | 11111 | un u |
| | | | | | | | | | | | | | |

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V2 | Valley | 1 | 1 | Job Reference (optional) | 173141566 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:39:45 ID:8B5T2gb2GkoFLqfiGQa2cbzLZ1B-1q9iJ3pCaGIsr3onDeDYuTIiNdAQTY3qPx5?dHzKryC Page: 1

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May 1,2025

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V3 | Valley | 1 | 1 | Job Reference (optional) | 173141567 |

TCDL

BCLL

BCDL

WEBS

2)

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:00 ID:8B5T2gb2GkoFLqfiGQa2cbzLZ1B-cW??Fs_Ha3tWDtT1bTqSQt4gGxgksoud7Uk6UzKry_

Page: 1

818 Soundside Road Edenton, NC 27932

MANALITICA PARTICICA

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V4 | Valley | 1 | 1 | Job Reference (optional) | 173141568 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:11 ID:B3a8GII_CILq2s2WCh3o?7zLYyP-GqkXmy7WSGaAy3omk6hexyN9662nYLgfN_OMXnzKrxo

Page: 1

Scale = 1:43.3

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | 1: | (psf) 20.0 3.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC202 | 1/TPI2014 | CSI TC BC WB Matrix-MSH | 0.20 0.16 0.13 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 5 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 62 lb | GRIP 244/190 FT = 20% |
|--|--|---|--|--|---|---|--|--|--|----------------------|-----------------------------|--------------------------|---------------------------------|---|
| LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP N 2x4 SP N 2x4 SP N Structural 6-0-0 oc p Rigid ceili bracing. (Ib/size) Max Horiz Max Uplift Max Grav | 0.2 0.2 0.3 wood shea purlins. ng directly 1=79/14-3 6=280/14- 8=282/14- 1=109 (LC 1=-14 (LC (LC 13) 1=116 (LC 6=413 (LC | athing directly applie applied or 6-0-0 oc -13, 5=62/14-3-13, 3-13, 7=248/14-3-13 3-13 9), 6=-76 (LC 14), 8 2 29), 5=81 (LC 28), 2 29), 7=394 (LC 28), | 3) 4, ed or 5) 6, 3, 7, 3, 8=-79 8,), | Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15 Pl Exp.; Ce=0.9 Gable require Gable studs * This truss h on the botton 3-06-00 tall b chord and an Provide mecl bearing plate 1, 79 lb uplift | ed for wind loads in ds exposed to wind lindustry Gable Er alified building des 7-16; Pr=20.0 psf; ate DOL=1.15; Is= ; Cs=1.00; Ct=1.10 es continuous botto spaced at 4-0-0 oc as been designed n chord in all areas y 2-00-00 wide will y other members, nanical connection capable of withsta at joint 8 and 76 lb Standard | n the pla d (norm nd Deta igner as (roof LL Pf=13.9 =1.0; Rc) for a liv s where I fit betw with BC (by oth and g 1 b uplift a | ane of the tru al to the face ils as applica s per ANSI/T : Lum DOL= 0 psf (Lum bugh Cat B; F d bearing. e load of 20.1 a rectangle veen the bott :DL = 10.0ps ers) of truss : 4 lb uplift at j t joint 6. | iss ble, bl 1. 1.15 fully Opsf om f. to joint | | | | | |
| FORCES | (lb) - Max Tension | imum Com | pression/Maximum | | | | | | | | | | | |
| TOP CHORD | 1-2=-141/ 4-5=-105/ | 122, 2-3=-´ 94 | 111/130, 3-4=-110/1 | 30, | | | | | | | | | | |
| BOT CHORD | 1-8=-50/1 5-6=-50/1 | 13, 7-8=-50 11 | 0/111, 6-7=-50/111, | | | | | | | | | | WITH CA | BO |
| WEBS NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103 II; Exp B; I (3E) 0-0-5 (3R) 7-2-3 zone; cant and right e MWFRS fc grip DOL= | 3-7=-211/ ed roof live I CE 7-16; Vu imph; TCDL Enclosed; M to 3-2-3, E: to 10-2-3, I tilever left an exposed;C-C or reactions t1.33 | 0, 2-8=-31: oads have lt=130mph =6.0psf; BC WFRS (en kterior(2N) Exterior(2N) dright exp C for memb shown; Lui | 3/266, 4-6=-312/264 been considered for (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C Co 3-2-3 to 7-2-3, Corn) 10-2-3 to 13-11-9 iosed ; end vertical l ers and forces & mber DOL=1.60 pla | Cat. orner er left te | | | | | | | . ATTITUTE. | AND STREET | SEA 2867 | L 7 ALINSTITUTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUT |

May 1,2025

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 **ANSUTP11 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.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V5 | Valley | 1 | 1 | Job Reference (optional) | 173141569 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:22 ID:B3a8GII_CILq2s2WCh3o?7zLYyP-Rxuh4jGPseycnl7utwNDtHK2YYpQdK?HvCYRPezKrxd

Page: 1

Scale = 1:38.9

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | 1: | (psf) 20.0 3.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC202 | 1/TPI2014 | CSI TC BC WB Matrix-MSH | 0.18 0.09 0.09 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 5 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 49 lb | GRIP 244/190 FT = 20% |
|---|--|--|--|--|--|--|--|--|---|----------------------|---|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP N 2x4 SP N 2x4 SP N Structural 6-0-0 oc p Rigid ceili bracing. (Ib/size) Max Horiz Max Uplift Max Grav | 0.2 0.2 0.3 I wood shea ing directly 1=48/11-1 6=249/11- 8=251/11- 1=90 (LC 1=-23 (LC (LC 14), 8 1=81 (LC (LC 29) 7 | athing directly applie applied or 10-0-0 or 1-0, 5=32/11-11-0, 11-0, 7=208/11-11- 10) 9), 5=-6 (LC 10), 6= =-70 (LC 13) 29), 5=50 (LC 28), 6 =-39 (LC 2) 8=316 | 3) ed or c 5) 0, 7) =-67 8) 6=311 | Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15 Pl Exp.; Ce=0.9 Gable requirr Gable studs * This truss h on the bottom 3-06-00 tall b chord and ar Provide mech bearing plate 1, 6 lb uplift a | ed for wind loads i ds exposed to wind a Industry Gable En alified building des 7-16; Pr=20.0 psf; ate DOL=1.15; Is- t; Cs=1.00; Ct=1.10; es continuous bott spaced at 4-0-0 oc nas been designed n chord in all areas by 2-00-00 wide will y other members. hanical connection capable of withsta at joint 5, 70 lb upli | n the pla d (norm nd Deta signer as (roof LL Pf=13.§ =1.0; Ro or chor : for a liv s where I fit betv (by oth anding 2 ft at join | ane of the tru al to the face ils as applical per ANSI/Tf per ANSI/Tf to be an application per ANSI/Tf per ANSI/Tf per ANSI/Tf per ANSI/Tf d bearing. e load of 20.0 a rectangle veen the botto ers) of truss t 3 lb uplift at j t 8 and 67 lb | ss), ble, Pl 1. 1.15 :ully Opsf om o oint uplift | | | | | |
| FORCES | (lb) - Max | 28) imum Com | pression/Maximum | L | DAD CASE(S) | Standard | | | | | | | | |
| TOP CHORD | 1 ension 1-2=-104/ 4-5=-100/ | /82, 2-3=-16 /53 | 61/139, 3-4=-161/13 | 38, | | | | | | | | | | |
| BOT CHORD | 1-8=-21/7 5-6=-19/7 | '3, 7-8=-19/ '3 | 73, 6-7=-19/73, | | | | | | | | | | TH CA | ROUL |
| WEBS NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103 II; Exp B; 1 (3E) 0-0-5 Corner(3R 11-6-12 zc vertical lef forces & M DOL=1.60 | 3-7=-153/ ed roof live I n. CE 7-16; Vu imph; TCDL Enclosed; M to 3-0-5, Ej to 3-0- | (0, 2-8=-31) oads have lt=130mph =6.0psf; B(IWFRS (en kterior(2N) o 8-11-13, E ver left and exposed;C-r reactions sl DOL=1.33 | 5/304, 4-6=-314/310 been considered fo (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C Cc 3-0-5 to 5-11-13, :xterior(2N) 8-11-13 right exposed ; end C for members and nown; Lumber | r Cat. orner | | | | | | | Contraction of the second s | and Street | SEA 2867 | L. P. HILLER |

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May 1,2025

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V6 | Valley | 1 | 1 | Job Reference (optional) | 173141570 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:34 ID:B3a8GII_CILq2s2WCh3o?7zLYyP-5FcDbqPx1KTvDb2BaRb1Npq3INsYRIn2g3S4ryzKrxR

Page: 1

| Scale = | 1:33 |
|---------|------|
| ooulo - | 1.00 |

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MSH | 0.26 0.26 0.17 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 3 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 36 lb | GRIP 244/190 FT = 20% |
|--|--|---|---|---|---|--|---------------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 9-6-3 oc purlins. Rigid ceiling directly bracing. (Ib/size) 1=27/9-6 4=591/9- Max Horiz 1=-71 (LC Max Uplift 1=-24 (LC 4=-17 (LC Max Grav 1=71 (LC (LC 2) | eathing directly applied y applied or 6-0-0 oc -3, 3=27/9-6-3, 6-3 C 11) C 35), 3=-24 (LC 34), C 13) C 34), 3=71 (LC 35), 4: | 4) TCLL: AS Plate DOL DOL=1.15 Exp.; Ce= 5) Gable stui 7) * This trus on the bot 3-06-00 ta chord and 8) Provide m bearing pl 1, 24 lb up LOAD CASE(| CE 7-16; Pr=20.0 ps =1.15); Pg=20.0 ps Plate DOL=1.15); I 0.9; Cs=1.00; Ct=1. iires continuous boi ls spaced at 4-0-0 c s has been designe om chord in all aree I by 2-00-00 wide w any other members echanical connection ate capable of withs lift at joint 3 and 17 S) Standard | sf (roof LL f; Pf=13.5 s=1.0; Rd 10 ttom choro. d for a liv as where ill fit betws.n (by othtanding 2lb uplift a | :: Lum DOL=') psf (Lum ough Cat B; F d bearing. e load of 20.0 a rectangle veen the botto ers) of truss t t lo uplift at ju t joint 4. | I.15 ully Dpsf om o | | | | | |
| FORCES TOP CHORD BOT CHORD | (lb) - Maximum Con Tension 1-2=-168/326, 2-3=- 1-4=-238/243 3-4=- | npression/Maximum -161/326 -238/243 | | | | | | | | | | |
| WEBS NOTES 1) Unbalance this design | 2-4=-625/363 ed roof live loads have | been considered for | | | | | | | | | TH CA | Ro |

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3E) 0-0-5 to 3-0-5, Exterior(2N) 3-0-5 to 4-9-6, Corner (3R) 4-9-6 to 7-9-6, Exterior(2N) 7-9-6 to 9-6-8 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=1.33
- Truss designed for wind loads in the plane of the truss 3) 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.

South States SEAL 28677 OHA GA mm 111

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V7 | Valley | 1 | 1 | Job Reference (optional) | 173141571 |

3-6-11

3-6-11

Carter Components (Sanford, NC), Sanford, NC - 27332,

(psf)

20.0

10.0

0.0

4=411/7-1-6

4 /1

Max Horiz 1=-53 (LC 11)

10.0

13.9/20.0

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

bracing.

11-124

7-1-6 oc purlins.

Scale = 1:28.9 Loading

TCLL (roof)

TCDL

BCLL

BCDL

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

REACTIONS (lb/size)

Snow (Pf/Pg)

φ

Run: 8,73 E May 9 2024 Print: 8,730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:47 ID:B3a8GII_CILq2s2WCh3o?7zLYyP-Clv8JGZ5zK63HbYhrgK4OYsJgdJb_ePyfb6GohzKrxE

4x5 = 2

10

9

6-9-4

3-2-9

3

3x5 💊

n/a 999

n/a 999

n/a n/a

L/d

PLATES

Weight: 26 lb

MT20

GRIP

244/190

FT = 20%

2-11-13 12 10 Г 4 -0-0 4 3x5 🛷 2x4 II 7-1-6 Spacing 2-0-0 CSI DEFL in l/defl (loc) Plate Grip DOL 1.15 тс 0.16 Vert(LL) n/a BC 1 15 Lumber DOL 0.20 Vert(TL) n/a . Rep Stress Incr YES WB 0.08 Horiz(TL) 0.00 3 Code IRC2021/TPI2014 Matrix-MP TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Gable requires continuous bottom chord bearing. 5) Gable studs spaced at 4-0-0 oc. 6) Structural wood sheathing directly applied or * This truss has been designed for a live load of 20.0psf 7) on the bottom chord in all areas where a rectangle Rigid ceiling directly applied or 6-0-0 oc 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 1=35/7-1-6, 3=35/7-1-6,

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 1, 4 lb uplift at joint 3 and 10 lb uplift at joint 4. 1 (I C 24) 4 10

May 1,2025

GA mm 111

818 Soundside Road

Edenton, NC 27932

| | | Max Oplin | (LC 13) | LOAD CASE(S) | i) Standard | |
|----|-------------|-----------------------|--|--------------|-------------|---|
| | | Max Grav | 1=67 (LC 34), 3=67 (LC 35), 4=486 (LC 2) | | | |
| FO | RCES | (lb) - Max Tension | imum Compression/Maximum | | | |
| то | P CHORD | 1-2=-128/ | /209, 2-3=-117/209 | | | |
| BO | T CHORD | 1-4=-174/ | /207, 3-4=-174/207 | | | |
| WE | BS | 2-4=-409/ | /265 | | | |
| NO | TES | | | | | |
| 1) | Unbalance | ed roof live l | oads have been considered for | | | |
| | this desigr | ۱. | | | | ò |
| 2) | Wind: ASC | CE 7-16; Vu | It=130mph (3-second gust) | | N | Ù |
| | Vasd=103 | mph; TCDL | =6.0psf; BCDL=6.0psf; h=25ft; Cat. | | 3. | 2 |
| | II; Exp B; | Enclosed; N | WFRS (envelope) and C-C Corner | | 2 | |
| | (3E) 0-0-5 | to 3-0-5, Ex | xterior(2N) 3-0-5 to 3-7-0, Corner | | 5 | |
| | (3R) 3-7-0 | to 6-4-5, E | xterior(2N) 6-4-5 to 7-1-11 zone; | | 2 | 1 |
| | cantilever | left and righ | t exposed ; end vertical left and | | 2 | 1 |
| | right expo | sed;C-C for | members and forces & MWFRS | | | 1 |
| | for reactio | ns snown; L | Lumber DOL=1.60 plate grip | | 5 | |
| 2) | DOL=1.33 | | nd loads in the plane of the truce | | 2 | |
| 3) | Truss des | gned for will | nd loads in the plane of the truss | | | C |
| | only. For | ard Inductry | Cable End Details as applicable | | | 1 |
| | or consult | and industry | ilding designer as per ANSI/TPI 1 | | | 1 |
| | | quameu bu | inding designer as per ANOI/TETT. | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V8 | Valley | 1 | 1 | Job Reference (optional) | 173141572 |

2-4-5

2-4-5

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:40:57 ID:22Jo4QsX9TtkqGRLUcE30jzLYm3-wgVwQhhMdONeT7JcRmWQofH3jflaKASQy8Xo96zKrx4

4-4-8

2-0-3

4-8-10

Page: 1

| Scale = | 1:25.8 |
|---------|--------|
|---------|--------|

| Loading TCLL (roof) |) 13.0 | (psf) 20.0 | Spacing Plate Grip DOL | 2-0-0 1.15 1.15 | | CSI TC BC | 0.05 | DEFL Vert(LL) | in n/a n/a | (loc) - | l/defl n/a | L/d 999 | PLATES MT20 | GRIP 244/190 |
|--|---|---|---|---------------------------------------|---|--|--------------------------------|---|------------------|------------|---------------|------------|----------------|------------------------|
| TCDI |) 10.3 | 10.0 | Rep Stress Incr | YES | | WB | 0.03 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCLL | | 0.0* | Code | IRC2021 | /TPI2014 | Matrix-MP | 0.0. | | 0.00 | Ũ | | | | |
| BCDL | | 10.0 | | | | | | | | | | | Weight: 17 lb | FT = 20% |
| LUMBER TOP CHORI BOT CHORI OTHERS BRACING TOP CHORI | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural w 4-8-10 oc pu | 2 2 3 rood shea urlins. | athing directly appli | 6) 7) ed or LO | Gable studs s * This truss h on the bottom 3-06-00 tall b chord and an DAD CASE(S) | spaced at 4-0-0 oc. as been designed n chord in all areas y 2-00-00 wide will y other members. Standard | for a liv where fit betv | e load of 20.0 a rectangle veen the botto | 0psf om | | | | | |
| BOT CHORI | D Rigid ceiling bracing. | directly | applied or 6-0-0 oc | | | | | | | | | | | |
| REACTIONS | (Ib/size) 1: 4: Max Horiz 1: Max Grav 1: | =42/4-8- =235/4-8 =-34 (LC =61 (LC | 10, 3=42/4-8-10, -10 9) 34), 3=61 (LC 35), | 4=277 | | | | | | | | | | |
| FORCES | (lb) - Maxim | um Com | pression/Maximum | | | | | | | | | | | |
| TOP CHORI |) 1-2=-54/87 | 2-3=-54/ | 87 | | | | | | | | | | | |
| BOT CHORI | 1-4=-79/119 2-4=-199/13 |), 3-4=-79 | 9/119 | | | | | | | | | | | |
| | 2-4=-199/13 | 99 | | | | | | | | | | | | |
| NUIES | ood roof live loo | de have | hoon considered fo | r | | | | | | | | | | |
| this desi this desi Wind: Ai Vasd=1(II; Exp B (3E) zon left and I MWFRS grip DOI Direct di | gn. SCE 7-16; Vult= 3mph; TCDL=6 ; Enclosed; MW e; cantilever left ight exposed;C- for reactions sh ==1.33 | 130mph 5.0psf; BC /FRS (en t and righ -C for me hown; Lu | (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C C it exposed; end velop mbers and forces a mber DOL=1.60 pla | ; Cat. orner rtical & ate | | | | | | | | New York | OR DEERS | RO |
| a) Truss de only. Fo see Star or consul 4) TCLL: A Plate DC | 28677 28677 28677 28677 28677 28677 | | | | | | | | | | | | | |
| DOL=1. Exp.; Ce 5) Gable re | 5 Plate DOL=1. =0.9; Cs=1.00; quires continuo | .15); Is=1 Ct=1.10 us bottor | n chord bearing. | ully | | | | | | | | 111 | MN L.G | ALINS |

May 1,2025

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V9 | Valley | 1 | 1 | Job Reference (optional) | 173141573 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:41:08 ID:YN3jpwQJDcpj1PRPXYIZtvzLYPN-5og4kSpG1nl4IpekaaC?lzExF4XvP9q2UMht0_zKrwv

2-3-13 1-1-14 1-11-11 1-1-14 0-9-12

Page: 1

0-0-4

0-11-13

2x4 🍫 2x4 💊

2-3-13

Scale = 1:23.8

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

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MP | 0.04 0.04 0.00 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 3 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 7 lb | GRIP 244/190 FT = 20% |
|---|---|---|--|---|------------------------------------|---|--------------------------|----------------------|-----------------------------|--------------------------|--------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES | 2x4 SP No.2 2x4 SP No.2 Structural wood shea 2-3-13 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=78/2-3- Max Horiz 1=-15 (LC Max Grav 1=93 (LC (lb) - Maximum Com Tension 1-2=-130/86, 2-3=-13 1-3=-47/92 | athing directly applie applied or 10-0-0 or 13, 3=78/2-3-13 11) 2), 3=93 (LC 2) pression/Maximum 30/86 | 7) * This truss h on the bottor 3-06-00 tall b chord and ar ed or LOAD CASE(S) | has been designed n chord in all areas y 2-00-00 wide wil y other members. Standard | for a liv s where I fit betv | e load of 20. a rectangle /een the bott | Opsf om | | | | | |
| Unbalance this design Wind: ASC Vasd=103 II; Exp B; E (3E) zone; left and rig MWFRS fr grip DOL= Truss desi only. For 3 see Stand: or consult TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce=d Gable reqi Gable stud | a roof live loads have h. 2E 7-16; Vult=130mph mph; TCDL=6.0psf; B(Enclosed; MWFRS (en ; cantilever left and righ jht exposed;C-C for me or reactions shown; Lu 1.33 igned for wind loads in studs exposed to wind ard Industry Gable Enc qualified building desig CE 7-16; Pr=20.0 psf (i =1.15); Pg=20.0 psf; F i Plate DOL=1.15); Is=' 0.9; Cs=1.00; Ct=1.10 uires continuous bottor ds spaced at 4-0-0 oc. | (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C Cc texposed; end ver embers and forces 8 mber DOL=1.60 pla the plane of the trus (normal to the face) d Details as applicat gner as per ANSI/TF roof LL: Lum DOL=1 f=13.9 psf (Lum 1.0; Rough Cat B; Fi n chord bearing. | Cat. prner tical te ss s, ble, 11. 1.15 ully | | | | | | | | SEA 286 | EER.SK |

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V10 | Valley | 1 | 1 | Job Reference (optional) | 173141574 |

6-1-4

Carter Components (Sanford, NC), Sanford, NC - 27332,

TCDL

BCLL

BCDL

WEBS

NOTES

1)

2)

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:41:21 ID:47IcGp3V??Soq4wDSxq8H?zLYV?-DIy?SuzQzmOEMp8Drpx2njG6DKxuy1CzUtL3_jzKrwi

11-7-9

Page: 1

bilding 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.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V11 | Valley | 1 | 1 | Job Reference (optional) | 173141575 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:41:32 ID:hjruAlgwgsDwlWankNjKA2zLYSw-OP79mf6JN8ngAVUL_dedj1Dz9met1_wa?5V8tbzKrwX

3x5 🍬

10-2-8

| Scale = 1:28.4 | | | 1 | | | | | | | | | | |
|---|---|---|---------------------------------------|---|---|---|---|-------------------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC20 | 21/TPI2014 | CSI TC BC WB Matrix-MSH | 0.36 0.34 0.12 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 33 lb | GRIP 244/190 FT = 20% |
| LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 10-0-0 oc purlins. Rigid ceiling directly bracing. (Ib/size) 1=39/10-2 4=614/10- Max Horiz 1=25 (LC Max Uplift 1=-19 (LC Max Grav 1=91 (LC (LC 2) (Ib) - Maximum Com Tension | athing directly applie applied or 6-0-0 oc 2-8, 3=39/10-2-8, -2-8 14) 2 22), 3=-19 (LC 21) 21), 3=91 (LC 22), - pression/Maximum | ed or 4=725 | 4) TCLL: ASCE Plate DOL=: DOL=1.15 P Exp.; Ce=0. 5) Unbalanced design. 6) Gable studs 7) Gable studs 3) * This truss I on the botton 3-06-00 tall I chord and ai 4) Provide mec bearing plate 1 and 19 lb 0 CADCASE(S) | F7-16; Pr=20.0 p T-15; Pg=20.0 ps Plate DOL=1.15); P; Cs=1.00; Ct=1 snow loads have res continuous bc spaced at 4-0-0 has been designed m chord in all are by 2-00-00 wide v ny other member hanical connectitie e capable of withs uplift at joint 3. Standard | sf (roof LI sf; Pf=13.s Is=1.0; R 10 been con- been con- oc. ed for a liv as where will fit betv s. on (by oth standing 1 | L: Lum DOL= ² B psf (Lum bugh Cat B; F rsidered for th rd bearing. re load of 20.0 a rectangle veen the botto ers) of truss to 19 lb uplift at jo | 1.15 fully Dpsf om oint | | | | | |
| TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanc this desig 2) Wind: AS Vasd=100 | 1-2=-177/384, 2-3=- 1-4=-318/237, 3-4=- 2-4=-586/353 ed roof live loads have n. CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; BC | 176/384 318/237 been considered fo (3-second gust) CDL=6.0psf; h=25ft; | or ; Cat. | | | | | | | | | ORTH CA | ROUT |
| (3E) 0-0-8 (3R) 5-1- | 3 to 3-0-8, Exterior(2N) 12 to 8-1-12, Exterior(2I) | 3-0-8 to 5-1-12, Co N) 8-1-12 to 10-3-0 | rner | | | | | | | - | 1 | A. N | and the second |

- 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=1.33 Truss designed for wind loads in the plane of the truss 3)
- 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.

Page: 1

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V12 | Valley | 1 | 1 | Job Reference (optional) | 173141576 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:41:44

ID:9vPHOehYRALnvg9zI4EZjFzLYSv-2jrhHIFrYqIzcLPeh8sSCZj2xbm8rQQLmyPnluzKrwL

Spacing

Plate Grip DOL

8-2-8

in

n/a

n/a

0.00

(loc)

4

l/defl

n/a 999

n/a 999

n/a n/a

L/d

PLATES

Weight: 26 lb

MT20

GRIP

244/190

FT = 20%

DEFL

Vert(LL)

Vert(TL)

Horiz(TL)

2x4

CSI

тс

BC

WB

Matrix-MP

0.24

0.25

0.08

| Snow (Pf/Pg) TCDL BCLL BCDL | 1: | 3.9/20.0 10.0 0.0* 10.0 | Lumber DOL Rep Stress Incr Code | 1.15 YES IRC2 | 2021 | /TPI2014 |
|--|--|--|---|---------------------|----------|---|
| LUMBER TOP CHORD BOT CHORD OTHERS | 2x4 SP N 2x4 SP N 2x4 SP N | 0.2 0.2 0.3 | | | 4) | TCLL: A Plate DC DOL=1. Exp.; Ce |
| BRACING TOP CHORD | Structural 8-2-8 oc r | l wood shea | athing directly applie | d or | 5) 6) | Unbalan design. Gable re |
| BOT CHORD | Rigid ceil bracing. | ing directly | applied or 6-0-0 oc | | 7) 8) | Gable st * This tru |
| REACTIONS | (lb/size) Max Horiz Max Uplift Max Grav | 1=44/8-2-4 4=468/8-2 1=-19 (LC 1=-2 (LC 3 1=93 (LC | 8, 3=44/8-2-8, -8 13) 39), 3=-5 (LC 16) 21), 3=93 (LC 22), 4 | =554 | 9) | on the b 3-06-00 chord ar Provide bearing and 5 lb |
| FORCES | (lb) - Max Tension | (LC 2) imum Com | pression/Maximum | | LO | AD CASI |
| TOP CHORD | 1-2=-160/ | 288. 2-3=- | 157/288 | | | |

1-4=-254/224, 3-4=-254/224

Unbalanced roof live loads have been considered for

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner

(3E) 0-0-8 to 3-0-8, Exterior(2N) 3-0-8 to 4-1-12, Corner (3R) 4-1-12 to 7-0-11, Exterior(2N) 7-0-11 to 8-3-0 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

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.

Wind: ASCE 7-16; Vult=130mph (3-second gust)

2-4=-422/284

(psf)

20.0

Scale = 1:25.3 Loading

TCLL (roof)

BOT CHORD WEBS

this design.

DOL=1.33

NOTES

1)

2)

3)

- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pg=20.0 psf; Pf=13.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 5) Unbalanced snow loads have been considered for this
 - desian.

2-0-0

1.15

- Gable requires continuous bottom chord bearing. 6) 7)
 - Gable studs spaced at 4-0-0 oc.
- * This truss has been designed for a live load of 20.0psf 8) 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 2 lb uplift at joint 1 and 5 lb uplift at joint 3.

LOAD CASE(S) Standard

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V13 | Valley | 1 | 1 | Job Reference (optional) | 173141577 |

3-1-4

3-1-4

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:42:00 ID:IgMHbgh_7Mg9IHRk6Jin1YzLYRd-aopkeERtnIJiXpdjdV8CsxOpw2EhbfhiSRIdszzKrw5

4x5 =

5-7-9

2-6-5

6-2-8

0-6-15

3

2x4 👟

4 2x4 💋 2x4 🛚 6-2-8 Snacing CSI DEFI 2-0-0 in

May 1,2025

818 Soundside Road Edenton, NC 27932

1-3-2 1-6-14 0-0-4

Scale = 1:23.2

Exp.; Ce=0.9; Cs=1.00; Ct=1.10

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MP | 0.11 0.13 0.07 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 19 lb | GRIP 244/190 FT = 20% |
|--|--|---|--|---|---|---|----------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-2-8 oc purlins. Rigid ceiling directly bracing. (Ib/size) 1=50/6-2- 4=321/6-2 Max Horiz 1=-14 (LC Max Uplift 1=-2 (LC Max Grav 1=83 (LC | athing directly applie applied or 6-0-0 oc 8, 3=50/6-2-8, -8 : 13) 15), 3=-5 (LC 16) 21), 3=83 (LC 22), 4 | 5) Unbalanced design. 6) Gable requ 7) Gable stud: 8) * This truss on the bottt 3-06-00 tall chord and a 9) Provide me bearing pla and 5 lb up LOAD CASE(S) | I snow loads hav res continuous b s spaced at 4-0-0 has been design m chord in all ar by 2-00-00 wide ny other membe chanical connect re capable of with ift at joint 3. | e been cor ottom chor oc. led for a liv eas where will fit betv rs. ion (by oth astanding 2 | nsidered for the dearing. It dearing. It load of 20.0 a rectangle veen the both ers) of truss to the uplift at jo | nis Dpsf om int 1 | | | | | |
| FORCES | (lb) - Maximum Com Tension 1-2=-98/167, 2-3=-9 | pression/Maximum 8/167 | | | | | | | | | | |
| BOT CHORD WEBS | 1-4=-151/167, 3-4=- 2-4=-268/220 | 151/167 | | | | | | | | | | |
| NOTES | 2 . 200,220 | | | | | | | | | | | |
| Unbalance this design | d roof live loads have | been considered for | r | | | | | | | | | 11111 |
| Wind: ASC Vasd=1037 II; Exp B; E (3E) zone; left and rig MWFRS fo grip DOL=' | E 7-16; Vult=130mph mph; TCDL=6.0psf; B(Enclosed; MWFRS (er cantilever left and righ ht exposed;C-C for more r reactions shown; Lu 1.33 | (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C Co it exposed ; end ver embers and forces & mber DOL=1.60 pla | Cat. orner tical & te | | | | | | | New York | ORTH CA | L |
| Truss designed only. For see Standa or consult (| gned for wind loads in studs exposed to wind ard Industry Gable En- | the plane of the trus (normal to the face) d Details as application oper as per ANSI/TE | ss), ble, Pl 1 | | | | | | | | 2867 | 17 |
| 4) TCLL: ASC Plate DOL= DOL=1.15 | CE 7-16; Pr=20.0 psf (=1.15); Pg=20.0 psf; F Plate DOL=1.15); Is= | roof LL: Lum DOL=1 Pf=13.9 psf (Lum 1.0; Rough Cat B; F | 1.15 Jully | | | | | | | 1111 | OFN L.G | ALINSTIN |

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 BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V14 | Valley | 1 | 1 | Job Reference (optional) | 173141578 |

Run: 8.73 E May 9 2024 Print: 8.730 E May 9 2024 MiTek Industries, Inc. Thu May 01 14:42:10 ID:IgMHbgh_7Mg9IHRk6Jin1YzLYRd-HjQWkeZ9QqZHkLOeCbJYG2oV34g8xBAAl?j9COzKrvx

3-7-9

1-6-5

4-2-8

0-6-15

3

Page: 1

4-2-8

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

| | (, :): [<u>=:e = e</u> , <u>=age</u>] | | | | | | | | | | | | |
|---|--|--|--|---|--|---|------------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|--|
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 13.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MP | 0.13 0.12 0.00 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 3 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 11 lb | GRIP 244/190 FT = 20% | |
| LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Unbalancee this design 2) Wind: ASC Vasd=103r II; Exp B; E (3E) zone; left and rigi MWFRS for grip DOL=1 3) Truss desig or consult of 4) TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce=0 5) Unbalancee design. 6) Gable requ 7) Gable stud | 2x4 SP No.2 2x4 SP No.2 Structural wood shea 4-2-8 oc purlins. Rigid ceiling directly bracing. (lb/size) 1=142/4-2 Max Horiz 1=9 (LC 1 Max Grav 1=168 (LC (lb) - Maximum Com Tension 1-2=-327/258, 2-3=- 1-3=-210/283 d roof live loads have E 7-16; Vult=130mph mph; TCDL=6.0psf; B4 inclosed; MWFRS (er cantilever left and righ th exposed; C-C for me treactions shown; Lu 1.33 gned for wind loads in tuds exposed to wind ard Industry Gable En- qualified building desig 2E 7-16; Pr=20.0 psf (=1.15); Pg=20.0 psf (=1.15); Pg=20.0 psf (=1.5); Cs=1.00; Ct=1.10 d snow loads have be lires continuous bottor s spaced at 4-0-0 oc. | athing directly applie applied or 10-0-0 or 2-8, 3=142/4-2-8 4) C 2), 3=168 (LC 2) pression/Maximum 327/258 been considered for (3-second gust) CDL=6.0psf; h=25ft; twelope) and C-C Co th exposed ; end ver embers and forces 8 imber DOL=1.60 pla the plane of the trus (normal to the face) d Details as applicat gner as per ANSI/TF roof LL: Lum DOL=1 2F=13.9 psf (Lum 1.0; Rough Cat B; F sen considered for th m chord bearing. | 8) * This truss on the botto 3-06-00 tall chord and a ed or LOAD CASE(S) c Cat. mer tical te ss ble, P1 1. 1.15 ully is | has been designed m chord in all area by 2-00-00 wide w ny other members Standard | d for a liv as where rill fit betv | e load of 20. a rectangle veen the bott | 0psf om | | | | SEA 2867 | EEP St. | |
| WARNI Design va a truss sv | NG - Verify design paramete alid for use only with MiTek@ stem. Before use, the build | ers and READ NOTES ON © connectors. This design ing designer must verify th | THIS AND INCLUDED MITEK F is based only upon parameters the applicability of design param | EFERENCE PAGE MII- s shown, and is for an ir eters and properly inco | -7473 rev. 1 ndividual bu | /2/2023 BEFOR | E USE. nt, not overall | | | | | | |

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 **ANS/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.sbcacomponents.com)

A MiTek Affiliate 818 Soundside Road Edenton, NC 27932

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V15 | Valley | 1 | 1 | Job Reference (optional) | 173141579 |

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:BlxQ1wt9eOQQsin6i?rvBKzLYrC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

4-5-9

Scale = 1:30.7

| | (;;; ;): [<u>=</u> :=age;e e e]; | [0:2490;0 : 0] | | | | | | | | | | |
|--|---|--|---|--|---|--|----------------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|---|
| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 18.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.81 0.42 0.00 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 3 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 29 lb | GRIP 244/190 FT = 20% |
| LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2-0-0 oc purlins: 1-2 Rigid ceiling directly bracing. (size) 3=5-10-0, Max Horiz 4=-114 (L Max Uplift 3=-47 (LC Max Grav 3=278 (LC | , except end vertica applied or 10-0-0 oc 4=5-10-0 C 11) 2 10), 4=-47 (LC 9) 2 28), 4=278 (LC 29) | * This trus on the bot 3-06-00 ta chord and All bearing 10) Provide m bearing pl 4 and 47 ll Graphical or the orie bottom cho | s has been designed om chord in all are I by 2-00-00 wide v any other members s are assumed to be chanical connection ate capable of withs o uplift at joint 3. purlin representation tation of the purlin ord. S) Standard | ed for a liv as where will fit betw s, with BC be SP No. on (by oth standing 4 on does no along the | e load of 20.0 a rectangle veen the bott DL = 10.0psl 2 . ers) of truss t .7 Ib uplift at j ot depict the s top and/or | Dpsf om f. oint size | | | | | |
| FORCES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| | Tension | | | | | | | | | | | |
| IOP CHORD | 1-4=-199/278, 1-2=- 3-4=-135/136 | 38/35, 2-3=-199/278 | | | | | | | | | | |
| NOTES | | | | | | | | | | | | |
| 1) Wind: AS Vasd=103 II; Exp B; (3) zone; left and ri grip DOL | CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; Bo Enclosed; MWFRS (er cantilever left and right ght exposed;C-C for m for reactions shown; Lu =1.33 | (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C Co exposed ; end vertic embers and forces & mber DOL=1.60 plat | Cat. rner cal | | | | | | | and a | ORTH CA | ROJU |
| I russ des only. For see Stand or consult | signed for wind loads in studs exposed to wind dard Industry Gable End t qualified building desire | the plane of the trus (normal to the face) d Details as application oper as per ANSI/TP | ss , , 11 | | | | | | | | SFA | N N. N |
| 3) TCLL: AS Plate DO DOL=1.15 Exp : Ce | SCE 7-16; Pr=20.0 psf (L=1.15); Pg=20.0 psf; F 5 Plate DOL=1.15); Is= =0.9: Cs=1.00: Ct=1.10 | roof LL: Lum DOL=1 Pf=18.9 psf (Lum 1.0; Rough Cat B; Fi Lu=50-0-0 | .15 Jlly | | | | | | 1111 | | 286 | 77 |
| 4) Provide a | dequate drainage to pr | event water ponding | | | | | | | | 24 | S.SNOW | EFR. LS |
| 5) Gable rec | quires continuous bottor | m chord bearing. | | | | | | | | 11 | LA GIN | F.F. S.N |
| 6) Truss to b braced ac | be fully sheathed from or gainst lateral movement | one face or securely t (i.e. diagonal web). | | | | | | | | | L.G | ALIMIN |
| Gable stu | ids spaced at 4-0-0 oc. | | | | | | | | | | | 1. C. |

- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 4-0-0 oc.

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V16 | Valley | 1 | 1 | Job Reference (optional) | 173141580 |

3x5 II

5-10-0

2x4 🛛

Carter Components (Sanford, NC), Sanford, NC - 27332,

Scale = 1:30 Loading

TCLL (roof)

TCDL

BCLL

BCDL

LUMBER

WFBS

OTHERS

BRACING

FORCES

WEBS

1)

2)

3)

4)

NOTES

TOP CHORD

BOT CHORD

grip DOL=1.33

TOP CHORD

BOT CHORD

REACTIONS (size)

TOP CHORD

BOT CHORD

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

2x4 SP No.3

bracing.

Max Grav

Tension

3-4=-93/129

Snow (Pf/Pg)

Run: 8 73 S. Feb 19 2025 Print: 8 730 S Feb 19 2025 MiTek Industries. Inc. Wed Apr 30 12:37:53 ID:BlxQ1wt9eOQQsin6i?rvBKzLYrC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x5 II

Page: 1

2 \bowtie 3-11-9 6 4 5 3x5 II 3x5 II 2x4 II 5-10-0 Spacing 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) in (loc) Plate Grip DOL 20.0 1.15 TC 0.44 Vert(LL) n/a n/a 999 MT20 244/190 BC 18 9/20 0 Lumber DOL 1 15 0.23 Vert(TL) n/a n/a 999 10.0 Rep Stress Incr YES WB 0.08 Horiz(TL) 0.00 4 n/a n/a 0.0 Code IRC2021/TPI2014 Matrix-MR 10.0 Weight: 32 lb FT = 20%5) Gable requires continuous bottom chord bearing. 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable studs spaced at 4-0-0 oc. 7) * This truss has been designed for a live load of 20.0psf 8) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom 2-0-0 oc purlins: 1-3. except end verticals. chord and any other members. Rigid ceiling directly applied or 10-0-0 oc All bearings are assumed to be SP No.2 . 9) 10) Provide mechanical connection (by others) of truss to 4=5-10-0, 5=5-10-0, 6=5-10-0 bearing plate capable of withstanding 35 lb uplift at joint Max Horiz 6=-100 (LC 9) 6, 35 lb uplift at joint 4 and 5 lb uplift at joint 5. Max Uplift 4=-35 (LC 10), 5=-5 (LC 10), 6=-35 11) Graphical purlin representation does not depict the size (LC 9) or the orientation of the purlin along the top and/or 4=91 (LC 28), 5=263 (LC 2), 6=91 bottom chord. (LC 29) LOAD CASE(S) Standard (Ib) - Maximum Compression/Maximum 1-6=-93/129, 1-2=-16/16, 2-3=-16/16, 5-6=-118/122. 4-5=-118/122 2-5=-198/278 HOV MANUMULT Wind: ASCE 7-16; Vult=130mph (3-second gust) OR Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & ALTER DAY NO. MWFRS for reactions shown; Lumber DOL=1.60 plate SEAL Truss designed for wind loads in the plane of the truss 867 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. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 GA May 1,2025 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) 818 Soundside Road and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com) Edenton, NC 27932

Plate DOL=1.15); Pg=20.0 psf; Pf=18.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0 Provide adequate drainage to prevent water ponding. 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

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V17 | Valley | 1 | 1 | Job Reference (optional) | 173141581 |

Run: 8,73 S Feb 19 2025 Print: 8,730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

5-10-0

3-5-9

| Scale | _ | 1.28 | |
|-------|---|------|--|
| Scale | _ | 1.20 | |

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL | (psf) 20.0 18.9/20.0 10.0 0.0* | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.33 0.18 0.08 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 | GRIP 244/190 | |
|--|---|--|---|--|--|---|--------------------------------|----------------------|-----------------------------|---|----------------|------------------------|---------------|
| BCDL | 10.0 | | | | | | | | | | Weight: 30 lb | FT = 20% | |
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2-0-0 oc purlins: 1-3 Rigid ceiling directly bracing. (size) 4=5-10-0, Max Horiz 6=-87 (LC Max Uplift 4=-27 (LC (LC 9) Max Grav 4=91 (LC (LC 2) (b) Maxigum Com | , except end vertical applied or 10-0-0 oc 5=5-10-0, 6=5-10-0 11) 10), 5=-5 (LC 10), 6 2), 5=262 (LC 2), 6= | 5) Gable rec 6) Truss to the braced ag 7) Gable stu 8) * This trus on the bo 3-06-00 ta chord and 9) All bearing p 6, 27 lb u 11) Graphical 91 bottom ch | uires continuous bot e fully sheathed fror ainst lateral movem ds spaced at 4-0-0 c is has been designe tom chord in all aree all by 2-00-00 wide w any other members gs are assumed to b lechanical connectio ate capable of withs blift at joint 4 and 5 lt purlin representatio intation of the purlin ord. S) Standard | tom chor n one fac ent (i.e. c bc. d for a liv as where vill fit betv e SP No. n (by oth tanding 2 o uplift at n does no along the | d bearing. e or securely liagonal web). e load of 20.0 a rectangle veen the botto 2. ers) of truss to 27 lb uplift at jo joint 5. of depict the s e top and/or |)psf om o pint ize | | | | | | |
| | Tension | procedent/maximum | | | | | | | | | | | |
| TOP CHORD | 1-6=-87/121, 1-2=-1- 3-4=-87/121 | 4/15, 2-3=-14/15, | | | | | | | | | | | |
| BOT CHORD | 5-6=-101/104, 4-5=- | 101/104 | | | | | | | | | | | |
| WEBS | 2-5=-198/278 | | | | | | | | | | | | |
| NOTES | | | | | | | | | | | MILLIN | 1111 | |
| Wind: ASC Vasd=103 II; Exp B; I (3) zone; c left and rig MWFRS fc grip DOL= Truss desi only. For : see Stand or consult TCLL: ASC Plate DOL= DOL=1.15 Exp.; Ce= Provide acc | CE 7-16; Vult=130mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (en antilever left and right that exposed;C-C for me or reactions shown; Lu 1.33 igned for wind loads in studs exposed to wind ard Industry Gable End qualified building desig CE 7-16; Pr=20.0 psf (.=1.15); Pg=20.0 psf; [Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10, dequate drainage to pro- | (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C Cor exposed; end vertic embers and forces & mber DOL=1.60 plat the plane of the trus (normal to the face), d Details as applicab gner as per ANSI/TP roof LL: Lum DOL=1. ½=18.9 psf (Lum 1.0; Rough Cat B; Fu Lu=50-0-0 event water ponding. | Cat. rner al e s le, I 1. .15 ully | | | | | | . and the second second | and | SEA 2867 | ROUTER STUDIES | ANNIH III III |

May 1,2025

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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 BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V18 | Valley | 1 | 1 | Job Reference (optional) | 173141582 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

5-10-0

| Scale = | 1:25.9 |
|---------|--------|
|---------|--------|

| Loading FCLL (roof) Snow (Pf/Pg) FCDL | (psf) 20.0 18.9/20.0 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr | 2-0-0 1.15 1.15 YES | CSI TC BC WB Matrix-MR | 0.24 0.12 0.08 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 | GRIP 244/190 | |
|--|---|--|---|--|---|---|---------------------------|----------------------|-----------------------------|---|----------------|--------------------------|---|
| BCDL | 10.0 | Code | 11(02021/1112014 | Mathemat | | | | | | | Weight: 28 lb | FT = 20% | |
| LUMBER FOP CHORD SOT CHORD WEBS DTHERS BRACING FOP CHORD SOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2-0-0 oc purlins: 1-3, Rigid ceiling directly bracing. (size) 4=5-10-0, Max Horiz 6=-73 (LC Max Uplift 4=-19 (LC (LC 9) Max Grav 4=91 (LC (LC 2) | , except end vertical applied or 10-0-0 oc 5=5-10-0, 6=5-10-0 9) 10), 5=-5 (LC 10), 6 2), 5=261 (LC 2), 6= | 5) Gable requ 6) Truss to be braced aga 7) Gable stud: 8) * This truss on the botto 3-06-00 tall chord and a 9) All bearings 10) Provide me bearing pla 6, 19 lb upil 11) Graphical p or the orien bottom cho LOAD CASE(S | res continuous bot fully sheathed from inst lateral moveme s spaced at 4-0-0 o has been designed im chord in all area by 2-00-00 wide w iny other members are assumed to be chanical connection e capable of withst ft at joint 4 and 5 lb urlin representation tation of the purlin rd.) Standard | tom chor n one fac ent (i.e. d ic. d for a liv as where ill fit betv e SP No. n (by oth tanding 2 o uplift at n does no along the | d bearing. e or securely iagonal web). e load of 20.0 a rectangle veen the botto 2. ers) of truss to 0 lb uplift at jo joint 5. ot depict the s top and/or | opsf om oint ize | | | | | | |
| ORCES | (lb) - Maximum Com Tension | pression/Maximum | | | | | | | | | | | |
| FOP CHORD | 1-6=-82/114, 1-2=-12 3-4=-82/114 | 2/14, 2-3=-12/14, | | | | | | | | | | | |
| | 5-6=-84/86, 4-5=-84/ | /86 | | | | | | | | | | | |
| | 2-3=-191/210 | | | | | | | | | | | | |
| IOTES Wind: ASC Vasd=103i II; Exp B; E (3) zone; c left and rig MWFRS fc grip DOL= Truss desi only. For s see Standi- or consult TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce=C Provide ac | CE 7-16; Vult=130mph mph; TCDL=6.0psf; BG Enclosed; MWFRS (en eantilever left and right ht exposed; C-C for me or reactions shown; Lu 1.33 gned for wind loads in studs exposed to wind ard Industry Gable Enc qualified building desig CE 7-16; Pr=20.0 psf; F Plate DOL=1.15); Is= 0.9; Cs=1.00; Ct=1.10, Sequet drainage to pr | (3-second gust) CDL=6.0psf; h=25ft; velope) and C-C Co exposed ; end vertic embers and forces & mber DOL=1.60 plat the plane of the trus (normal to the face), d Details as applicab gner as per ANSI/TP roof LL: Lum DOL=1 Yf=18.9 psf (Lum 1.0; Rough Cat B; Ft Lu=50-0-0 event water ponding. | Cat. mer sal s s , le, l 1. .15 ully | | | | | | | And | SEA 2867 | ROLL L 27 ALMST | and and and and and a start of the start of |

May 1,2025

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 BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V19 | Valley | 1 | 1 | Job Reference (optional) | 173141583 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

5-10-0

Scale = 1:23.9

-

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 18.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021 | /TPI2014 | CSI TC BC WB Matrix-MR | 0.18 0.08 0.08 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 26 lb | GRIP 244/190 FT = 20% |
|--|--|--|--|---|---|---|--|----------------------------|----------------------|-----------------------------|--|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 2-0-0 oc purlins: 1-3 Rigid ceiling directly bracing. (size) 4=5-10-0, Max Horiz 6=-59 (LC Max Uplift 4=-13 (LC (LC 9) Max Grav 4=92 (LC | , except end vertical applied or 10-0-0 oc 5=5-10-0, 6=5-10-0 : 11) : 10), 5=-5 (LC 10), 6 2), 5=260 (LC 2), 6= | 5) 6) 7) 8) Is. 9) 10) 5=-14 11) 92 | Gable require Truss to be fi braced again Gable studs : * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mech bearing plate 6, 13 lb uplift Graphical pu or the orienta | es continuous botto illy sheathed from o st lateral movemen spaced at 4-0-0 oc. as been designed in chord in all areas y 2-00-00 wide will y other members. are assumed to be nanical connection capable of withsta at joint 4 and 5 lb of din representation of tion of the purlin al | om chor one fac ti (i.e. d for a liv where fit betw SP No. (by oth nding 1 uplift at does no ong the | d bearing. e or securely iagonal web) e load of 20.0 a rectangle veen the botto 2. ers) of truss t 4 lb uplift at jr joint 5. t depict the s t top and/or | Dpsf om oint size | | | | | |
| FORCES | (LC 2) (Ib) - Maximum Com Tension 1-6=-78/109, 1-2=-12 | pression/Maximum 2/14, 2-3=-12/14, | LO | AD CASE(S) | Standard | | | | | | | | |
| BOT CHORD WEBS | 3-4=-78/109 5-6=-66/67, 4-5=-66/ 2-5=-197/278 | /67 | | | | | | | | | | | |
| NOTES | | | | | | | | | | | | | L11. |
| NOTES Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) 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=1.33 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. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (Pf=18.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0 | | | | | | | | | | | and a state of the | SEA 2867 | ROULEER. SK IIIII |
| Provide ad | dequate drainage to pro | event water ponding | | | | | | | | | | 111111 | (III) |

May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V20 | Valley | 1 | 1 | Job Reference (optional) | 173141584 |

1-11-9

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

5-10-0

| Scolo | - 1.21 | 0 |
|-------|--------|---|
| SUGIE | = 1.21 | |

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 18.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC202 | 21/TPI2014 | CSI TC BC WB Matrix-MR | 0.13 0.05 0.08 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 23 lb | GRIP 244/190 FT = 20% |
|--|---|---|---|--|--|--|---|--------------------------|----------------------|---|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2c4 SP No.3 2c4 SP No.3 (sige) 4=5-10-0, Max Horiz 6=-46 (LC Max Uplift 4=-9 (LC - (LC 9) Max Grav 4=92 (LC - | , except end verticals applied or 10-0-0 oc 5=5-10-0, 6=5-10-0 9) 10), 5=-5 (LC 10), 6=- 2), 5=258 (LC 2), 6=5 | 5) 6) 7) 8) 5. 9) 10 9 11 | Gable require Truss to be fibraced again Gable studs a * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mech bearing plate 9 lb uplift at ji Graphical pu or the orienta bottom chord | es continuous bott lly sheathed from st lateral moveme spaced at 4-0-0 or as been designec n chord in all area y 2-00-00 wide wii y other members. are assumed to be nanical connectior capable of withst bint 4 and 5 lb upl rin representation tion of the purlin a | om chor o one fac nt (i.e. d c. I for a liv s where II fit betv SP No. to (by oth anding S ift at join does no along the | d bearing. e or securely iagonal web). e load of 20.0p a rectangle veen the botton 2. ers) of truss to l b uplift at joir t 5. ot depict the size e top and/or | osf m nt 6, ze | | | | | |
| FORCES | (Ib) - Maximum Com Tension | pression/Maximum | L | OAD CASE(S) | Standard | | | | | | | | |
| TOP CHORD | 1-6=-75/105, 1-2=-1: 3-4=-75/104 | 3/15, 2-3=-13/15, | | | | | | | | | | | |
| BOT CHORD | 5-6=-55/55, 4-5=-55/ 2-5196/277 | /55 | | | | | | | | | | | |
| NOTES | 2 0- 100/211 | | | | | | | | | | | mun | 1111 |
| Wind: ASC Vasd=103 II; Exp B; I (3) zone; c left and rig MWFRS fc grip DOL= Truss desi only. For s see Stand- or consult TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce= Provide acc | CE 7-16; Vult=130mph mph; TCDL=6.0psf; B(Enclosed; MWFRS (en antilever left and right pht exposed;C-C for me or reactions shown; Lu 1.33 igned for wind loads in studs exposed to wind ard Industry Gable End qualified building desig CE 7-16; Pr=20.0 psf (.=1.15); Pg=20.0 psf; [Plate DOL=1.15); Is=: 0.9; Cs=1.00; Ct=1.10, dequate drainage to pro- | Cat. her al e, 1. 15 ly | | | | | | | . and the second | And | SEAL SEAL 2867 | ROUL 7 E.R. St. | |

- or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) Plate DOL=1.15); Pg=20.0 psf; Pf=18.9 psf (Lum
- DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0
- 4) Provide adequate drainage to prevent water ponding.

Thunner . May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V21 | Valley | 1 | 1 | Job Reference (optional) | 173141585 |

1-5-9

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:53 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

5-10-0

| Cool | | 4.4 | | ۱. |
|-------|-----|-----|-----|----|
| - DCA | H = | | 9.9 | |

| Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL | (psf) 20.0 18.9/20.0 10.0 0.0* 10.0 | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/ | TPI2014 | CSI TC BC WB Matrix-MR | 0.12 0.05 0.08 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 4 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 Weight: 21 lb | GRIP 244/190 FT = 20% |
|--|---|--|--|--|--|---|--|--------------------------|----------------------|-----------------------------|--------------------------|---------------------------------|------------------------------------|
| LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 2-0-0 oc purlins: 1-3 Rigid ceiling directly bracing. (size) 4=5-10-0, Max Horiz 6=32 (LC Max Uplift 4=-5 (LC - (LC 9) Max Grav 4=93 (LC (LC 2) | , except end verticals applied or 10-0-0 oc 5=5-10-0, 6=5-10-0 10) 10), 5=-5 (LC 10), 6=- 2), 5=257 (LC 2), 6=5 | 5) 6) 7) 8) 5. 9) 10) -5 11) 03 | Gable require Truss to be fi braced again Gable studs st * This truss h on the bottom on the bottom and an All bearings a Provide medi bearing plate bearing plate bearing plate or the orienta bottom chord | es continuous bott ully sheathed from st lateral moveme spaced at 4-0-0 or as been designed n chord in all area: y 2-00-00 wide wi y other members. are assumed to be nanical connectior capable of withst- oint 4 and 5 lb upli rlin representation tion of the purlin a | om chor one fac nt (i.e. d 2. for a liv s where Il fit betw SP No. (by oth anding 5 ft at join does no long the | d bearing. e or securely iagonal web). a rectangle veen the botto 2. ers) of truss to i lb uplift at joir t 5. ot depict the si t to pand/or | osf m nt 6, ze | | | | | |
| FORCES | (lb) - Maximum Com Tension | pression/Maximum | LOA | AD CASE(S) | Standard | | | | | | | | |
| TOP CHORD | 1-6=-73/102, 1-2=-18 3-4=-73/102 | 8/19, 2-3=-18/19, | | | | | | | | | | | |
| BOT CHORD | 5-6=-46/44, 4-5=-46/ 2-5=-195/275 | /44 | | | | | | | | | | | |
| NOTES | 20 100/210 | | | | | | | | | | | | 11. |
| Wind: ASC Vasd=103 II; Exp B; I (3) zone; c left and rig MWFRS fr grip DOL= Truss desis only. For see Stand or consult TCLL: ASC Plate DOL DOL=1.15 Exp.; Ce= Provide acc | CE 7-16; Vult=130mph imph; TCDL=6.0psf; B0 Enclosed; MWFRS (en cantilever left and right ht exposed;C-C for me or reactions shown; Lu ±1.33 igned for wind loads in studs exposed to wind ard Industry Gable Ene qualified building desig CE 7-16; Pr=20.0 psf (=1.15); Pg=20.0 psf; F is Plate DOL=1.15); Is= 0.9; CS=1.00; Ct=1.10, dequate drainage to pri | Cat. ner al e e, 1. 15 ly | | | | | | | | and states | SEA 2867 | ROUL AND ALLING | |

- or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 $\,$ 3) Plate DOL=1.15); Pg=20.0 psf; Pf=18.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0
- 4) Provide adequate drainage to prevent water ponding.

L. GAL May 1,2025

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| Job | Truss | Truss Type | Qty | Ply | 87 Eagle Creek - Edisto E - Roof | |
|----------|-------|------------|-----|-----|----------------------------------|-----------|
| 25040190 | V22 | Valley | 1 | 1 | Job Reference (optional) | 173141586 |

Run: 8.73 S Feb 19 2025 Print: 8.730 S Feb 19 2025 MiTek Industries, Inc. Wed Apr 30 12:37:54 ID:fxVoEGtnPiYHUsMIGjM8kYzLYrB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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| Sca | ale = 1:17.3 | | | | | | | | | | | | |
|--|--|---|---|--|--|--|---|----------------------------|----------------------|-----------------------------|--|----------------|---|
| Loa TCL Sno TCE BCL | ding L (roof) w (Pf/Pg) DL L | (psf) 20.0 18.9/20.0 10.0 0.0* | Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code | 2-0-0 1.15 1.15 YES IRC2021/TPI2014 | CSI TC BC WB Matrix-MR | 0.42 0.19 0.00 | DEFL Vert(LL) Vert(TL) Horiz(TL) | in n/a n/a 0.00 | (loc) - - 3 | l/defl n/a n/a n/a | L/d 999 999 n/a | PLATES MT20 | GRIP 244/190 |
| BCE | DL | 10.0 | | | | | | | | | | Weight: 18 lb | FT = 20% |
| LUN TOF BOT WEE BR/ TOF BOT | MBER CHORD CHORD SS ACING CHORD CHORD ACTIONS | 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2-0-0 oc purlins: 1-2 Rigid ceiling directly bracing. (size) 3=5-10-0, Max Horiz 4=18 (LC Max Uplift 3=-5 (LC Max Grav 3=222 (LC | , except end vertica applied or 10-0-0 oc 4=5-10-0 10) 10), 4=-5 (LC 9) 2 2), 4=222 (LC 2) | 8) * This trust on the bott 3-06-00 tal chord and 9) All bearing 10) Provide me bearing pla and 5 lb up 11) Graphical or the orier bottom cho | s has been design om chord in all are l by 2-00-00 wide any other member s are assumed to echanical connecti the capable of with blift at joint 3. ourlin representation tation of the purlir ord. | ed for a liv eas where will fit betv rs. be SP No. ion (by oth standing 5 on does no n along the | e load of 20.0 a rectangle veen the botto 2 . ers) of truss to i lb uplift at joi ot depict the s e top and/or | Dpsf om ont 4 ize | | | | | |
| FOF | CES | (lb) - Maximum Com | pression/Maximum | | | | | | | | | | |
| TOF BOT | CHORD | Tension 1-4=-168/237, 1-2=- 3-4=-185/198 | 185/170, 2-3=-168/2 | 37 | | | | | | | | | |
| NOT | TES | | | | | | | | | | | | |
| 1) | Wind: ASC Vasd=103i II; Exp B; E (3) zone; c left and rig MWFRS fo grip DOL= | CE 7-16; Vult=130mph mph; TCDL=6.0psf; Bo Enclosed; MWFRS (er eantilever left and right ht exposed;C-C for mo or reactions shown; Lu 1.33 | (3-second gust) CDL=6.0psf; h=25ft; ivelope) and C-C Co exposed ; end vertic embers and forces 8 mber DOL=1.60 pla | Cat. rmer cal te | | | | | | | | WITH CA | NRO IN |
| 2) | Truss designed only. For s see Standa | gned for wind loads in studs exposed to wind ard Industry Gable Eng qualified building desir | the plane of the trus (normal to the face) d Details as applicat | ss , ple, u 1 | | | | | | | in the second se | o ess | Charles and the second |
| 3) | TCLL: ASC Plate DOL DOL=1.15 Exp.: Ce=(| CE 7-16; Pr=20.0 psf (=1.15); Pg=20.0 psf; F Plate DOL=1.15); Is= 0.9: Cs=1.00: Ct=1 10 | roof LL: Lum DOL=1 Pf=18.9 psf (Lum 1.0; Rough Cat B; Fi . Lu=50-0-0 | .15 ully | | | | | | 11111 | | SEA 2867 | L 77 |
| 4) | Provide ad | lequate drainage to pr | event water ponding | | | | | | | | - | N | 1 5 |
| 5) Gable requires continuous bottom chord bearing. | | | | | | | | | | | 50 | S.ENO. | FRIDE |
| 6) | Truss to be | e fully sheathed from c | one face or securely | | | | | | | | 11 | Ch GIN | E.F. SIN |
| 7) | braced aga Gable stud | ainst lateral movement Is spaced at 4-0-0 oc. | t (i.e. diagonal web). | | | | | | | | | L.G | ALIM |

- Plate DOL=1.15); Pg=20.0 psf; Pf=18.9 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely
- braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 4-0-0 oc.

May 1,2025

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