

RE: 24052563 BCTH-28 Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: TRUE HOMES RALEIGH Project Name: 24052563 Lot/Block: 28 Model: Lucas TH @ Buies Creek Address: 188 Camel Crazies Place Subdivision: BCTH City: Lillington State: NC

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

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf

Design Program: MiTek 20/20 8.7 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 15 individual, dated Truss Design Drawings and 0 Additional Drawings.

| No. | Seal# | Truss Name | Date |
|-----|-----------|------------|----------|
| 1 | 165332716 | F3 | 5/3/2024 |
| 2 | 165332717 | F4 | 5/3/2024 |
| 3 | 165332718 | L02 | 5/3/2024 |
| 4 | 165332719 | F2 | 5/3/2024 |
| 5 | 165332720 | F1 | 5/3/2024 |
| 6 | 165332721 | L01 | 5/3/2024 |
| 7 | 165332722 | L03 | 5/3/2024 |
| 8 | 165332723 | F5 | 5/3/2024 |
| 9 | 165332724 | F6 | 5/3/2024 |
| 10 | 165332725 | F7 | 5/3/2024 |
| 11 | 165332726 | F8 | 5/3/2024 |
| 12 | 165332727 | F10 | 5/3/2024 |
| 13 | 165332728 | L04 | 5/3/2024 |
| 14 | 165332729 | F9 | 5/3/2024 |
| 15 | 165332730 | L05 | 5/3/2024 |

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

Truss Engineering Co. under my direct supervision

based on the parameters provided by The Building Center.

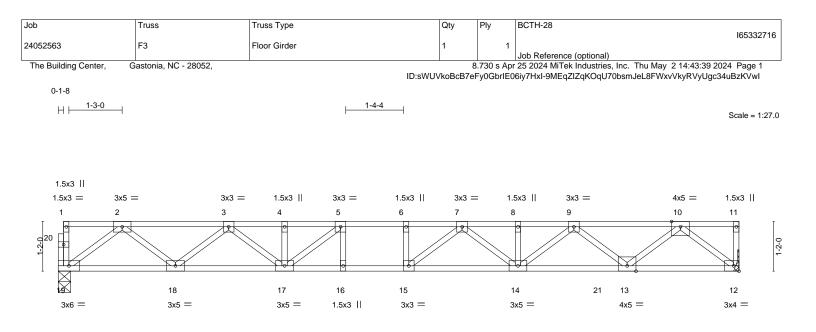
Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2024

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.





| | | | 15-11-12 15-11-12 | | | |
|---|--|---|------------------------------------|---|--|---|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014 | CSI. TC 0.71 BC 0.88 WB 0.56 Matrix-S | Vert(LL) -0.2 | in (loc) l/defl L/d 3 14-15 >818 360 2 14-15 >591 240 6 12 n/a n/a | PLATES MT20 Weight: 82 lb | GRIP 244/190 FT = 20%F, 11%E |
| BOT CHORD 2x4 S | P No.2(flat) P No.1(flat) P No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o | , |) oc purlins, |

REACTIONS. 19=0-3-8, 12=Mechanical (size) Max Grav 19=890(LC 1), 12=1112(LC 1)

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

TOP CHORD 2-3=-1859/0, 3-4=-3019/0, 4-5=-3019/0, 5-6=-3442/0, 6-7=-3442/0, 7-8=-3159/0, 8-9=-3159/0, 9-10=-2122/0

BOT CHORD 18-19=0/1114, 17-18=0/2565, 16-17=0/3442, 15-16=0/3442, 14-15=0/3418, 13-14=0/2763, 12-13=0/1224

2-19=-1395/0, 2-18=0/970, 3-18=-919/0, 3-17=0/579, 5-17=-749/0, 10-12=-1562/0, 10-13=0/1169, 9-13=-835/0, WEBS 9-14=0/505, 7-14=-331/0, 7-15=-237/334

NOTES-

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

2) Refer to girder(s) for truss to truss connections.

3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

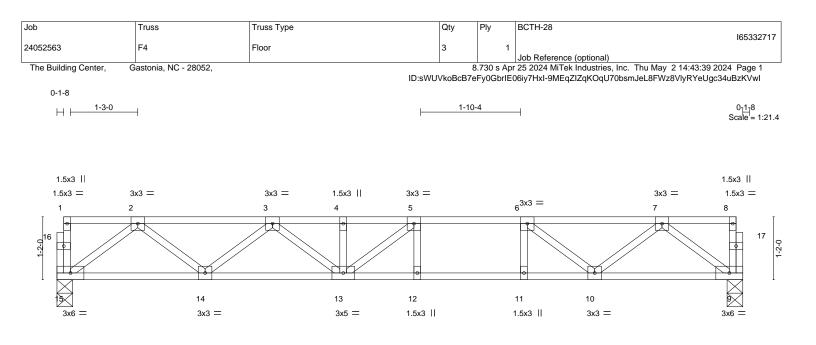
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 19-21=-10, 12-21=-95(B=-85), 1-11=-100







| | | | 12-8-12 12-8-12 | | | I |
|---|---|--|------------------------------------|--|---------------------------------|---|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014 | CSI. TC 0.63 BC 0.82 WB 0.32 Matrix-S | Vert(LL) -0.1 | n (loc) l/defl L/d 5 12-13 >999 360 0 12-13 >764 240 3 9 n/a n/a | PLATES MT20 Weight: 65 lb | GRIP 244/190 FT = 20%F, 11%E |
| BOT CHORD 2x4 SF | P No.2(flat) P No.1(flat) P No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing dir except end verticals. Rigid ceiling directly applied c | , ,,, |) oc purlins, |

REACTIONS. (size) 15=0-3-8, 9=0-3-8 Max Grav 15=680(LC 1), 9=680(LC 1)

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

TOP CHORD 2-3=-1328/0, 3-4=-2022/0, 4-5=-2022/0, 5-6=-1935/0, 6-7=-1334/0

BOT CHORD 14-15=0/838, 13-14=0/1791, 12-13=0/1935, 11-12=0/1935, 10-11=0/1935, 9-10=0/817

WEBS 2-15=-1049/0, 2-14=0/638, 3-14=-603/0, 3-13=0/294, 5-13=-239/280, 7-9=-1022/0, 7-10=0/673, 6-10=-766/0

NOTES-

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

 Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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.sbcacomponents.com)



| ob | Truss | | Truss Type | | Qty | Ply | BCTH-28 | | | 10500074 |
|----------------------|-------------|-------------|------------|-------|------------|-------|-----------------|---|----|--------------|
| 4052563 | L02 | | GABLE | | 1 | 1 | Job Referenc | e (optional) | | 16533271 |
| The Building Center, | Gastonia, N | IC - 28052, | | | ID:sWUVkoB | | or 25 2024 MiTe | ek Industries, Inc. TI zCKbjdJC3_TJRRS | | |
| 0 ₁₁ 8 | | | | | | | | | | |
| | | | | | | | | | | Scale = 1:19 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 3x3 10 |
| 21 | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | Ť |
| | | | | | | | | | | |
| 20 | 19 | 18 | 17 | 16 | 15 | | 14 | 13 | 12 | 11 |
| 3x3 = | | | | | | | | | | 3x3 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 1-4-0 | 2-8 | -0 | | 5-4-0 | 6-8-0 | 8-0-0 | 9-4 | | | 1-8-12 |

| | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1 | 1-4-0 | 1-4-0 | 1-0-12 |
|--------|----------|-----------------|--------|----------|----------|----------|--------|-------|---------------|-----------------|
| LOADIN | IG (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC 0.08 | Vert(LL) | n/a - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 11 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2015/T | PI2014 | Matrix-R | | | | | Weight: 51 lb | FT = 20%F, 11%E |

LUMBER-

 TOP CHORD
 2x4 SP No.2(flat)

 BOT CHORD
 2x4 SP No.2(flat)

 WEBS
 2x4 SP No.3(flat)

 OTHERS
 2x4 SP No.3(flat)

BRACING-TOP CHORD BOT CHORD

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

REACTIONS. All bearings 11-8-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

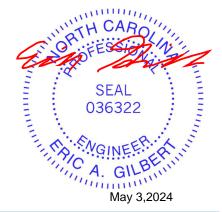
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



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| Job | Truss | Truss Type | | Qty | Ply | BCTH-28 | | 1653327 | 10 |
|------------------|---------------------------------------|------------|-------|-------------|------------|-----------------------|--|----------------------|-----------------|
| 24052563 | F2 | Floor | | 5 | 1 | 1 | | 1000027 | 19 |
| 24032303 | 12 | 11001 | | l' | | Job Reference (option | onal) | | |
| The Building Cer | nter, Gastonia, NC - 280 | 52, | | | 8.730 s A | | stries, Inc. Thu May 214 | :43:38 2024 Page 1 | |
| | | | | ID:sWUVkoBo | :B7eFy0Gbr | IE06iy7HxI-hAgSMyYC | Z4idWs0fCc76c1zqH5MI | Bi4YLSyKXMlzKVwJ | |
| 0-1-8 | | | | | | | | | |
| 1-3- | -0 , | | 1-2-1 | 2 . | | | | 0-1-8 | |
| H H | | | | | | | | 0-1-8 Scale = 1:2 | 26.2 |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | 3x5 = | 3x3 = | 3x3 = | 3x3 | = | 3x3 = | 3x | 5 = | |
| 1 | 2 | 3 4 | 5 | 6 7 | | 8 9 | 10 | 11 | |
| I o | | | | | | | 2.6 | | Ī |
| 28 | | | | H / | | H / | $ \land \land$ | K hi | 21 |
| 28 | | | | | | | \sim // | | 21 ₀ |
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| | | | | | | | | | |
| 1.9 | 18 | 17 | 16 | 15 | | 14 | 13 | 12 | |
| 3x6 = | 3x5 = | 3x5 = | | 3x3 = | | 3x5 = | 3x5 = | 3x6 = | |

| | | | | 15-11-12 15-11-12 | | | |
|---|-------------------------------------|---|--|------------------------------------|---|---------------------------------|---|
| LOADING TCLL TCDL BCLL BCDL | (psf) 40.0 10.0 0.0 5.0 | SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014 | CSI. TC 0.51 BC 0.98 WB 0.44 Matrix-S | Vert(LL) -0.2 | in (loc) l/defl L/d 2 14-15 >862 360 0 14-15 >623 240 6 12 n/a n/a | PLATES MT20 Weight: 83 lb | GRIP 244/190 FT = 20%F, 11%E |
| LUMBER- TOP CHO BOT CHO WEBS | RD 2x4 SF RD 2x4 SF | P No.2(flat) P No.2(flat) P No.3(flat) | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o | |) oc purlins, |

REACTIONS. (size) 19=0-3-8, 12=Mechanical

Max Grav 19=859(LC 1), 12=859(LC 1)

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

TOP CHORD 2-3=-1781/0, 3-4=-2873/0, 4-5=-2873/0, 5-6=-3224/0, 6-7=-3224/0, 7-8=-2886/0, 8-9=-2886/0, 9-10=-1779/0

BOT CHORD 18-19=0/1074, 17-18=0/2451, 16-17=0/3224, 15-16=0/3224, 14-15=0/3164, 13-14=0/2454, 12-13=0/1073

WEBS 2-19=-1344/0, 2-18=0/921, 3-18=-872/0, 3-17=0/538, 5-17=-650/0, 10-12=-1343/0, 10-13=0/919, 9-13=-879/0, 9-14=0/552, 7-14=-355/0, 7-15=-188/378

NOTES-

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

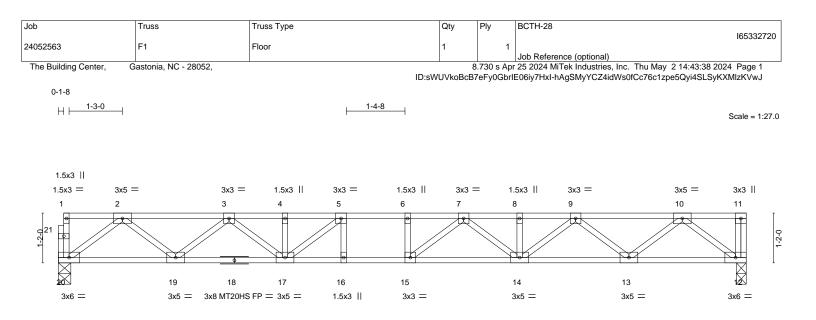
2) All plates are 1.5x3 MT20 unless otherwise indicated.

3) Refer to girder(s) for truss to truss connections.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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| | <u>5-4-8</u> 5-4-8 | | 16-1-8 10-9-0 | | | | | | | | | |
|---|--|--|------------------------------------|--|--------------------------|--|--|--|--|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014 | CSI. TC 0.55 BC 0.74 WB 0.44 Matrix-S | Vert(LL) -0.2 | in (loc) l/defl 22 14-15 >880 30 14-15 >636 05 12 n/a | L/d 360 240 n/a | PLATES MT20 MT20HS Weight: 84 lb | GRIP 244/190 187/143 FT = 20%F, 11%E | | | | | |
| BOT CHORD 2x4 SF 12-18: WEBS 2x4 SF REACTIONS. (siz | , , | | BRACING- TOP CHORD BOT CHORD | except end vert | cals. | rectly applied or 6-0-0 or 10-0-0 oc bracing. |) oc purlins, | | | | | |
| FORCES. (lb) - Max. TOP CHORD 2-3= 8-9= BOT CHORD 19-2 12-1 WEBS 2-20 | Grav 20=867(LC 1), 12=873(LC 1) . Comp./Max. Ten All forces 250 (lb) o -1802/0, 3-4=-2910/0, 4-5=-2910/0, 5-6= -2926/0, 9-10=-1799/0 0=0/1084, 17-19=0/2481, 16-17=0/3282 13=0/1084 =-1358/0, 2-19=0/934, 3-19=-884/0, 3-1 =-892/0, 9-14=0/564, 7-14=-367/0, 7-15 | =-3282/0, 6-7=-3282/0, 7-8 , 15-16=0/3282, 14-15=0/3 7=0/548, 10-12=-1360/0, f | 3=-2926/0, 3214, 13-14=0/2484, | | | | | | | | | |
| | re loads have been considered for this d | esign. | | | | | | | | | | |

All plates are MT20 plates unless otherwise indicated.

3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.



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| ob | Truss | | Trus | ss Type | | | Qty | Ply | BCTH-28 | | | | | 0500070 |
|---------------------|------------|----------------|----------|----------|-------|-------|-------|--------|--------------|------------------------------|-------------|-------|--------|------------|
| 4052563 | L01 | | GAE | BLE | | | 1 | 1 | | nce (optional) | | | | 16533272 |
| The Building Center | r, Gastoni | a, NC - 28052, | | | | ID:sW | JVkoB | | pr 25 2024 M | Tek Industrie: 6ILaa5s?40 | s, Inc. Thu | | | |
| 0 _] 18 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | So | ale = 1:26 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3 | x3 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 10 | 11 | 12 | 1 | 3 |
| | 0 | 0 | ∂ | <u>0</u> | | | | | 0 | <u> </u> | 0 | 0 | | |
| | | | | | | | | ****** | | | | | ****** | × |
| 27 | 26 | 25 | 24 | 23 22 | 21 | 20 | 19 | 1 | 8 | 17 | 16 | 15 | 1 | 4 |
| 3x3 = | | | | 3x6 FI | P= | | | | | | | | 3 | x3 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1-4-0 | 2-8-0 | 4-0-0 | 5-4-0 | 6-8-0 | 8-0-0 | 9-4-0 | | 10-8-0 | 12-0-0 | 13-4-0 | 1 | 4-8-0 | 16-1-8 | |
| 1 0 | 200 | | 0 4-0 | 0.0-0 | 0.0=0 | 5 4-0 | | | 12 0-0 | 10-4-0 | | | 1010 | - |

| - | 110 | 200 | 100 | 010 | 000 | 000 | 010 | | | 12 0 | | 10 1 0 | 1100 | 1010 |
|--------|----------|-------|-------------|--------|-------|-------|----------|----------|-------|--------|-----|--------|---------------|-----------------|
| ī | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | <u> </u> | 4-0 | 1-4- | 0 ' | 1-4-0 | 1-4-0 | <u>' 1-5-8</u> |
| LOADIN | IG (psf) | SPAC | CING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | | PLATES | GRIP |
| TCLL | 40.0 | Plate | Grip DOL | 1.00 | TC | 0.08 | Vert(LL) | n/a | - | n/a | 999 | | MT20 | 244/190 |
| TCDL | 10.0 | Lumb | er DOL | 1.00 | BC | 0.01 | Vert(CT) | n/a | - | n/a | 999 | | | |
| BCLL | 0.0 | Rep S | Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 14 | n/a | n/a | | | |
| BCDL | 5.0 | Code | IRC2015/TI | PI2014 | Matri | x-R | | | | | | | Weight: 68 lb | FT = 20%F, 11%E |
| | | | | | | | | | | | | | | |
| LUMBE | R. | | | | | | BRACING. | | | | | | | |

LOWDEN-TOP CHORD2x4 SP No.2(flat)BOT CHORD2x4 SP No.2(flat)WEBS2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

TOP CHORD BOT CHORD

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

REACTIONS. All bearings 16-1-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 27, 14, 26, 25, 24, 23, 21, 20, 19, 18, 17, 16, 15

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

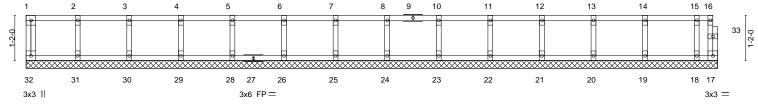
Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.





| | Truss | Truss Type | | Qty | Ply | BCTH-28 | |
|----------------------|-----------------------|------------|-------|---------|----------|---|----------------------|
| | | | | | | | 165332722 |
| 24052563 | L03 | GABLE | | 1 | 1 | | |
| | | | | | | Job Reference (optional) | |
| The Building Center, | Gastonia, NC - 28052, | | | | | 25 2024 MiTek Industries, Inc. Thu May 2 14:43:42 2 | |
| | | | ID:sW | UVkoBcB | 7eFy0Gbr | E06iy7HxI-axvzCKbjdJC3_TJRRSB2mt8bxjy2e_vwNZ | IVWzKVwF |
| | | | | | | | 0- <mark>1</mark> -8 |
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| | | | | | | | Scale = 1:29.8 |
| | | | | | | | |
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| 0.0.1 | | | | | | | |
| 3x3 | | | 3x6 | FP = | | | |



| | 1-4-0 | 2-8-0 | 4-0-0 | 5-4-0 | 6-8-0 | 8-0-0 | 9-4-0 | 10-8-0 |) | 12-0-0 | 13- | 4-0 | 14-8-0 | 16-0-0 | 17-4-0 1 ₁ 7-10-8 |
|--------|-------|-------|---------------|-----------|-------|---------|-------|---------|------|--------|--------|------------------|--------|---------------|------------------------------|
| | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | | 1-4-0 | 1-4 | 4-0 ¹ | 1-4-0 | 1-4-0 | 1-4-0 0-6-8 |
| LOADIN | · · · | | SPACING- | 2-0-0 | C | | | EFL. | in | (loc) | l/defl | L/d | | PLATES | GRIP |
| TCLL | 40.0 | | Plate Grip DC | | TC | | | ert(LL) | n/a | - | n/a | 999 | | MT20 | 244/190 |
| TCDL | 10.0 | | Lumber DOL | 1.00 | B | | | ert(CT) | n/a | - | n/a | 999 | | | |
| BCLL | 0.0 | | Rep Stress In | | W | | Н | orz(CT) | 0.00 | 17 | n/a | n/a | | | |
| BCDL | 5.0 | | Code IRC20 | 5/TPI2014 | M | atrix-R | | | | | | | | Weight: 76 lb | FT = 20%F, 11%E |
| | | | | | | | | | | | | | | | |
| LUMBER | २- | | | | | | в | RACING- | | | | | | | |

TOP CHORD2x4 SP No.2(flat)BOT CHORD2x4 SP No.2(flat)WEBS2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 17-10-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19, 18

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

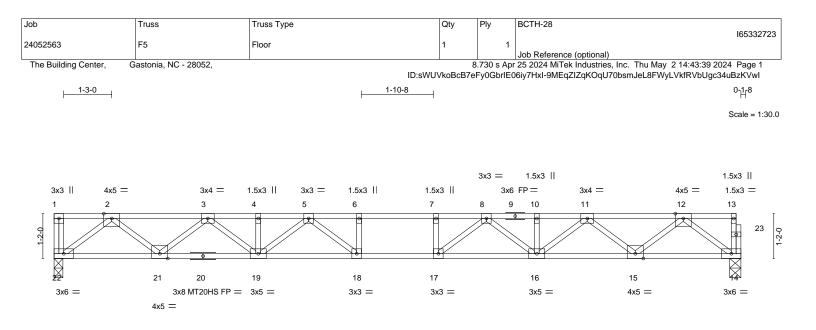
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.







| | | | 17-10-8 | | | | | |
|---|---|--|---|---|-------------------------------|--------------------------|--|--|
| | | | 17-10-8 | | | | | |
| LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0 | SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014 | CSI. TC 0.68 BC 0.83 WB 0.52 Matrix-S | Vert(LL) -0.3 | in (loc) 30 17-18 32 17-18 37 14 | l/defl >696 >506 n/a | L/d 360 240 n/a | PLATES MT20 MT20HS Weight: 91 lb | GRIP 244/190 187/143 FT = 20%F, 11%E |
| BOT CHORD 2x 14 WEBS 2x REACTIONS. | 4 SP No.2(flat) 4 SP No.2(flat) *Except* -20: 2x4 SP No.1(flat) 4 SP No.3(flat) (size) 22=0-2-12, 14=0-3-8 ax Grav 22=969(LC 1), 14=963(LC 1) | | BRACING- TOP CHORD BOT CHORD | except | end verti | icals. | rectly applied or 5-6-6 or 10-0-0 oc bracing. | oc purlins, |
| TOP CHORD | Max. Comp./Max. Ten All forces 250 (lb) o -32042/0, 3-43400/0, 4-53400/0, 5-6- 3-10=-3400/0, 10-11=-3400/0, 11-12=-2041/ 21-22=0/1211, 19-21=0/2838, 18-19=0/3808 14-15=0/1210 2-22=-1519/0, 2-21=0/1081, 3-21=-1037/0, 5 2-14=-1516/0, 12-15=0/1082, 11-15=-1038 7-17=-285/0, 6-18=-285/0 | =-4057/0, 6-7=-4057/0, 7-{ 0 1, 17-18=0/4057, 16-17=0/ 3-19=0/717, 5-19=-522/0, | 8=-4057/0, /3809, 15-16=0/2838, 5-18=-73/638, | | | | | |

NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

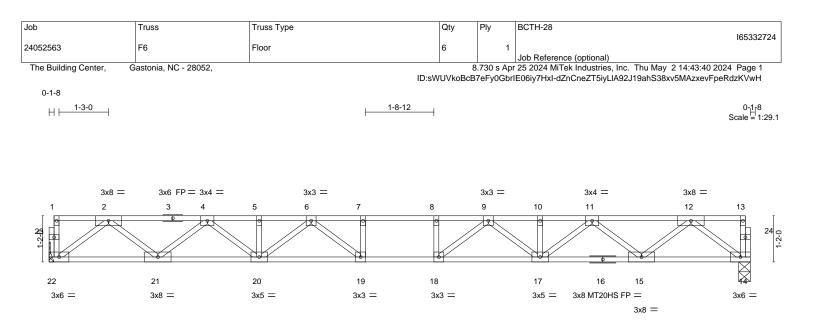
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 22.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.



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| | | | 17-8-12 17-8-12 | | | |
|--|---|--|---|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014 | CSI. TC 0.62 BC 0.80 WB 0.51 Matrix-S | Vert(LL) -0.29 | (loc) l/defl L/d 18-19 >713 360 18-19 >519 240 14 n/a n/a | PLATES MT20 MT20HS Weight: 90 lb | GRIP 244/190 187/143 FT = 20%F, 11%E |
| BOT CHORD 2x4 SF 14-16: WEBS 2x4 SF REACTIONS. (siz | P No.2(flat) P No.1(flat) *Except* 2x4 SP No.2(flat) P No.3(flat) te) 22=Mechanical, 14=0-3-8 Grav 22=955(LC 1), 14=955(LC 1) | | BRACING- TOP CHORD BOT CHORD | except end verticals. | ing directly applied or 5-8-7 plied or 10-0-0 oc bracing. | 14 oc purlins, |
| TOP CHORD 2-4= 9-10 BOT CHORD 21-2 14-1 2-22 WEBS 2-22 11-1 | Comp./Max. Ten All forces 250 (lb) o -2021/0, 4-5=-3360/0, 5-6=-3360/0, 6-7= =-3360/0, 10-11=-3360/0, 11-12=-2021/ 2=0/1200, 20-21=0/2809, 19-20=0/3760 I5=0/1200 =-1502/0, 2-21=0/1069, 4-21=-1025/0, 4 5=-1025/0, 11-17=0/704, 9-17=-511/0, 9 =-270/0, 8-18=-270/0 | 3993/0, 7 ⁻ 8=-3993/0, 8-9 0 , 18-19=0/3993, 17-18=0/ -20=0/704, 12-14=-1502/0 | 9=-3993/0, 3760, 15-17=0/2809, 0, 12-15=0/1070, | | | |

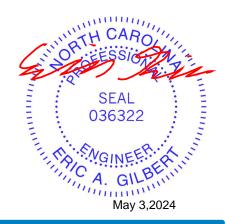
NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 1.5x3 MT20 unless otherwise indicated.

4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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



| Job | Truss | Truce Tur | • | Ohr | Ply | BCTH-28 | | | |
|--------------------|-----------------------|-------------|--|------------|-------------|---------------------|--|------------------|----------------------------------|
| JOD | Truss | Truss Typ | le | Qty | Piy | BCTH-28 | | | 165332725 |
| 24052563 | F7 | Floor | | 1 | 1 | | | | |
| The Building Cente | er, Gastonia, NC - 28 | 9050 | | | 9 720 e Ar | Job Referenc | e (optional) k Industries, Inc. Thu | Mov 0 14.40.40 0 | 024 Daga 1 |
| The building Cente | er, Gasionia, NC - 20 | 0052, | | ID:sWUVkoE | | | nCneZT5iyLlA92J19 | | |
| 0-1-8 | | | | | | | | , , | |
| LI 1-3-0 | | | 0-8-8 | 3-4 | | | | | 0- ₁ 1 _г 8 |
| H <u>⊢ 1-3-0</u> | | | | | | | | | Scale [⊟] 1:29.8 |
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| | | | | | 3x3 = | | | | |
| | 4x5 = | 3x4 = | 3x3 = 3x3 = | | 3 | x6 FP= | 3x4 = | 4x5 = | |
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| 24 | 23 | 22 21 | 20 19 | 18 | | 17 | 16 | | |
| 3x6 = | 4x5 = 3x8 | MT20HS FP = | 3x5 = | 3x3 = | | 3x5 = | 4x5 | 5 = | 3x6 = |
| | | 3x5 = | | | | | | | |
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| | | 8-0-0 | 8-9-4 | | | 4 | 8-1-4 | | |
| | | 8-0-0 | 8-8-8 9 ₁ 0-1 ₀ 0-8-8 0-3-6 | | | 9 | -0-10 | | |
| | | | 0-0-12 | | | | | | |

| | | | 0-0-12 | | | | | | |
|---|---|--|--|---|---|--|--|--|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014 | CSI. TC 0.56 BC 0.87 WB 0.52 Matrix-S | DEFL. ir Vert(LL) -0.32 Vert(CT) -0.45 Horz(CT) 0.07 | 19 >659 360 19 >480 240 | PLATES MT20 MT20HS Weight: 95 lb | GRIP 244/190 187/143 FT = 20%F, 11%E | | | |
| LUMBER- | | | BRACING- | | | | | | |
| | 2x4 SP No.2(flat) | | TOP CHORD | Structural wood shoathing | directly applied or 5.9 | | | | |
| | 2x4 SP No.2(flat) *Except* | | TOP CHORD | DP CHORD Structural wood sheathing directly applied or 5-8-1 oc purlins, except end verticals. | | | | | |
| | 15-22: 2x4 SP No.1(flat) | | BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. | | | | | |
| | 2x4 SP No.3(flat) | | Boronone | | a of to o o oo brading. | | | | |
| REACTIONS. | (size) 24=0-5-8, 15=0-3-8 Max Grav 24=976(LC 1), 15=976(LC 1) | | | | | | | | |
| FORCES. (lb) | Max. Comp./Max. Ten All forces 250 (lb) o | less except when shown | I. | | | | | | |
| TOP CHORD | 2-3=-2073/0, 3-4=-3461/0, 4-5=-3461/0, 5-6= | -4136/0, 6-7=-4136/0, 7-8 | 8=-4164/0, | | | | | | |
| | 8-9=-4164/0, 9-11=-3460/0, 11-12=-3460/0, 12-13=-2073/0 | | | | | | | | |
| BOT CHORD | 23-24=0/1227, 21-23=0/2885, 20-21=0/3892, 19-20=0/4164, 18-19=0/4164, 17-18=0/3891, | | | | | | | | |
| | 16-17=0/2884, 15-16=0/1227 | | | | | | | | |
| WEBS | 2-24=-1536/0, 2-23=0/1102, 3-23=-1057/0, 3 | , , , , | , | | | | | | |
| | 13-15=-1537/0, 13-16=0/1102, 12-16=-1055 | 0, 12-17=0/735, 9-17=-55 | 50/0, 9-18=-42/598, | | | | | | |

NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.3) All plates are 1.5x3 MT20 unless otherwise indicated.

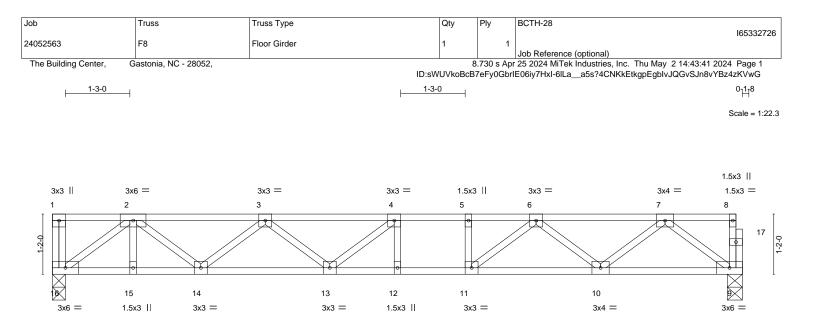
7-20=-458/324

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.







| | | 1 | 13-4-8 13-4-8 | |
|------------------|-----------------------|----------|--|-------------------------------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) I/defl L/d | PLATES GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.61 | Vert(LL) -0.13 12-13 >999 360 | MT20 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.83 | Vert(CT) -0.18 12-13 >864 240 | |
| BCLL 0.0 | Rep Stress Incr NO | WB 0.37 | Horz(CT) 0.03 9 n/a n/a | |
| BCDL 5.0 | Code IRC2015/TPI2014 | Matrix-S | | Weight: 70 lb FT = 20%F, 11% |
| LUMBER- | | | BRACING- | |
| TOP CHORD 2x4 SP | No.2(flat) | | TOP CHORD Structural wood sheathing di | rectly applied or 6-0-0 oc purlins, |

BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)

BOT CHORD

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 16=0-3-0, 9=0-3-8 (size) Max Grav 16=989(LC 1), 9=749(LC 1)

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

TOP CHORD 2-3=-1799/0, 3-4=-2391/0, 4-5=-2418/0, 5-6=-2418/0, 6-7=-1491/0

BOT CHORD 15-16=0/1284, 14-15=0/1284, 13-14=0/2273, 12-13=0/2418, 11-12=0/2418, 10-11=0/2050, 9-10=0/926

2-16=-1586/0, 2-14=0/658, 3-14=-616/0, 7-9=-1159/0, 7-10=0/735, 6-10=-728/0, 6-11=0/623 WEBS

NOTES-

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

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.

4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 381 lb down at 1-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

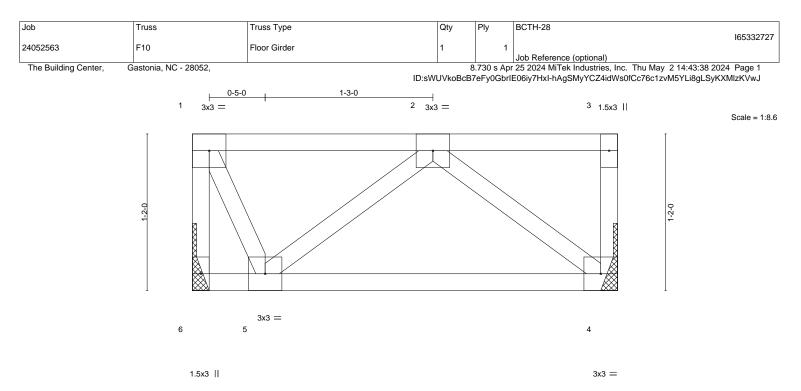
Vert: 9-16=-10, 1-8=-100

Concentrated Loads (lb)

Vert: 2=-301(B)



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| | | | 3-2-0 3-2-0 | |
|---|--|---|---|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014 | CSI. TC 0.18 BC 0.20 WB 0.17 Matrix-P | DEFL. in (loc) l/defl L/d Vert(LL) -0.00 5 >999 360 Vert(CT) -0.01 4-5 >999 240 Horz(CT) 0.00 4 n/a n/a | PLATES GRIP MT20 244/190 Weight: 18 lb FT = 20%F, 11%E |

LUMBER-

 TOP CHORD
 2x4 SP No.2(flat)

 BOT CHORD
 2x4 SP No.2(flat)

 WEBS
 2x4 SP No.3(flat)

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 4=Mechanical Max Grav 6=401(LC 1), 4=475(LC 1)

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

TOP CHORD 1-6=-404/0

WEBS 2-4=-670/0, 2-5=-484/0, 1-5=0/366

NOTES-

1) Refer to girder(s) for truss to truss connections.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 541 lb down at 1-10-4 on top

chord. The design/selection of such connection device(s) is the responsibility of others.

4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 4-6=-10, 1-3=-100 Concentrated Loads (lb)

Vert: 2=-541(F)



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Edenton, NC 27932

| Job | Truss | Truss Type | | | ty | Ply | BCTH- | 20 | | | | | |
|----------------------|-----------------------|---|--|----------------------|---------|-------------------|--------------|--------------|----------------|------------|------------------------|-------------|--------|
| JOD | TTUSS | Truss Type | | G | lly | Ріу | DUIN- | 20 | | | | 165332 | 2728 |
| 24052563 | L04 | GABLE | | 1 | | 1 | | | | | | 100001 | |
| | | | | | | | | | (optional) | | | | |
| The Building Center, | Gastonia, NC - 28052, | | | | | | | | | | | 2 2024 Page | |
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| 3X3 — | | | | | | | | | | | | 3x0 — | |
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| <u> </u> | 2-8-0 | <u>4-0-0</u> 1-4-0 | 5-4-0 1-4-0 | 6-8-0 | | <u>8-0</u> 1-4 |)-0 1-0 | | 9-4-0 1-4-0 | | <u>10-8-0</u> 1-4-0 | 0-5-8 | |
| 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | | 1-2 | -0 | | 1-4-0 | | 1-4-0 | 0-0-0 | |
| LOADING (psf) | SPACING- | 2-0-0 CS | | DEFL. | in | (loc) | l/defl | L/d | | PLATES | | | |
| TCLL 40.0 | Plate Grip DOL | 1.00 TC | | Vert(LL) | n/a | - | n/a | 999 | | MT20 | 244/1 | 190 | |
| TCDL 10.0 | Lumber DOL | 1.00 BC | | Vert(CT) | n/a | - | n/a | 999 | | | | | |

| н | IN/ | D | = | D |
|---|-----|---|---|---|

BCLL

BCDL

2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) TOP CHORD BOT CHORD WEBS OTHERS 2x4 SP No.3(flat)

0.0

5.0

BRACING-TOP CHORD BOT CHORD

Horz(CT)

11

0.00

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

Weight: 49 lb

FT = 20%F, 11%E

n/a

n/a

REACTIONS. All bearings 11-1-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 19, 11, 18, 17, 16, 15, 14, 13, 12

YES

WB

Matrix-R

0.03

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

Rep Stress Incr

Code IRC2015/TPI2014

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

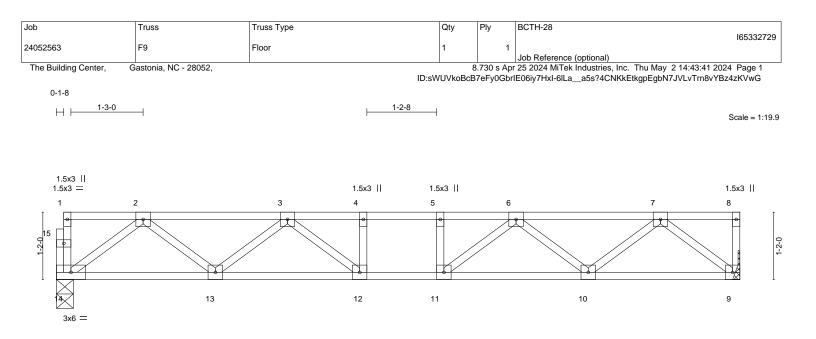
6) CAUTION, Do not erect truss backwards.



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Edenton, NC 27932



| | | | 11-10-0 11-10-0 | | | | |
|--|---|--|---|--|----------------|------------------------|--|
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES | CSI. TC 0.28 BC 0.50 WB 0.28 | DEFL. in Vert(LL) -0.07 Vert(CT) -0.09 Horz(CT) 0.02 | 12 >999 240 | PLATES MT20 | GRIP 244/190 | |
| BCDL 5.0 | Code IRC2015/TPI2014 | Matrix-S | | | Weight: 60 lb | FT = 20%F, 11%E | |
| LUMBER- | | I | BRACING- | | | | |
| | P No.2(flat) | TOP CHORD | | | | | |
| | P No.2(flat) P No.3(flat) | | | except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing | | | |

WEBS 2x4 SP No.3(flat)

(size)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

14=0-3-8, 9=Mechanical

Max Grav 14=634(LC 1), 9=641(LC 1)

TOP CHORD 2-3=-1217/0, 3-4=-1769/0, 4-5=-1769/0, 5-6=-1769/0, 6-7=-1195/0

BOT CHORD 13-14=0/779, 12-13=0/1619, 11-12=0/1769, 10-11=0/1606, 9-10=0/750

2-14=-975/0, 2-13=0/570, 3-13=-523/0, 3-12=-24/370, 7-9=-958/0, 7-10=0/580, 6-10=-535/0, 6-11=-13/381 WEBS

NOTES-

REACTIONS.

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

2) All plates are 3x3 MT20 unless otherwise indicated.

3) Refer to girder(s) for truss to truss connections.

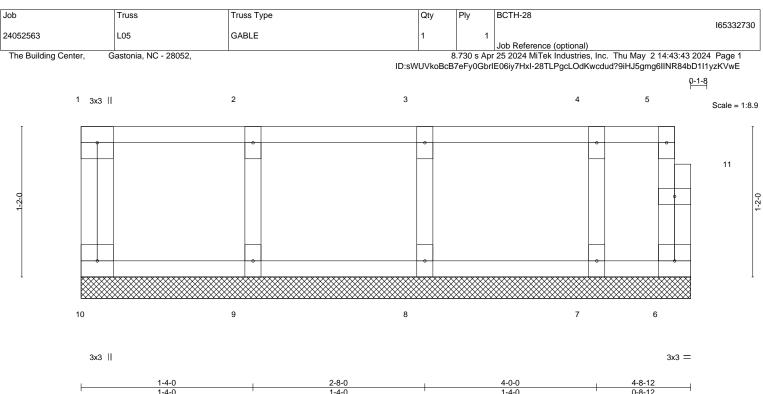
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.







| | 1-4-0 | | | 1-4-0 | | 1-4-0 | | | | 0-8-12 | | |
|------|-------|-----------------|--------|-------|------|----------|------|-------|--------|--------|---------------|-----------------|
| | (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | тс | 0.08 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.02 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2015/T | PI2014 | Matri | x-R | | | | | | Weight: 23 lb | FT = 20%F, 11%E |

LUMBER-

| 2x4 SP No.2(flat) |
|-------------------|
| 2x4 SP No.2(flat) |
| 2x4 SP No.3(flat) |
| 2x4 SP No.3(flat) |
| |

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 4-8-12 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-8-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Gable requires continuous bottom chord bearing.

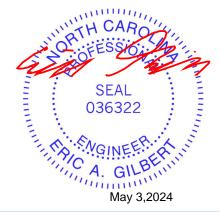
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



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