

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: DO180908
SELECT CUSTOM BLDRS

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

Pages or sheets covered by this seal: E13676464 thru E13676473

My license renewal date for the state of North Carolina is December 31, 2019.

North Carolina COA: C-0844



October 23, 2019

Gilbert, Eric

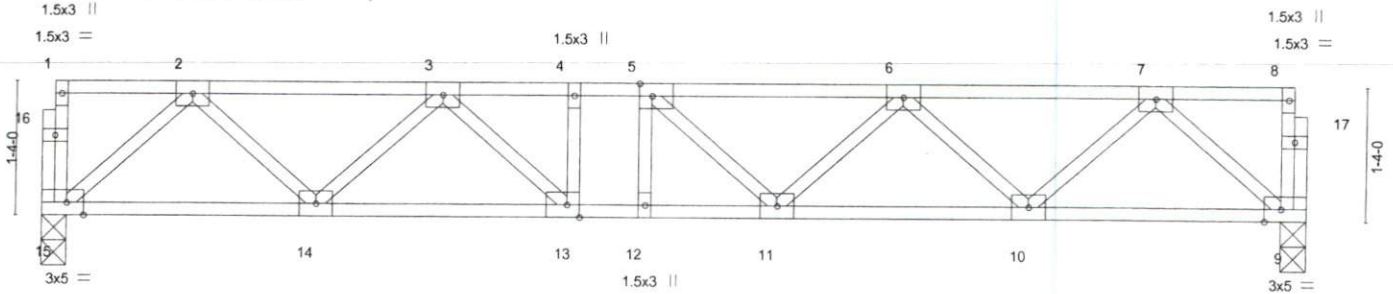
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

| | | | | | | |
|---------------------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676464 |
| DO180908 | F2 | FLOOR | 2 | 1 | | |
| Truss Builders, Inc., Morrisville, NC | | | | | Job Reference (optional) | |

8.240 e Oct 7 2019 MITek Industries, Inc. Wed Oct 23 14:50:18 2019 Page 1
 ID:XFkMq9loGQT7c0neEAgrzGyaS_T-SydfDfGIZXyxiadfbViWQaVdWOo06aCMw?ztqCyQWcJ



TRUSS SPACING HAS CHANGED TO 2-0-0 O.C. AS SHOWN. NO REPAIR REQUIRED.



| | |
|----------------------|--|
| Plate Offsets (X,Y)- | [5:0-1-8,Edge], [9:0-2-0,Edge], [13:0-1-8,Edge], [15:0-2-0,Edge] |
|----------------------|--|

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|---------------|---------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.36 | Vert(LL) | -0.07 11-12 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.64 | Vert(CT) | -0.10 11-12 | >999 | 240 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.28 | Horz(CT) | 0.02 9 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 68 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except [P] end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=672/0-3-0, 9=672/0-3-0

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-15=-34/0, 8-9=40/0, 1-2=-2/0, 2-3=-1128/0, 3-4=-1717/0, 4-5=-1717/0, 5-6=-1651/0, 6-7=-1137/0, 7-8=-2/0
 BOT CHORD 14-15=0/714, 13-14=0/1522, 12-13=0/1717, 11-12=0/1717, 10-11=0/1539, 9-10=0/709
 WEBS 7-9=-941/0, 2-15=-948/0, 7-10=0/596, 2-14=0/575, 6-10=-559/0, 3-14=-549/0, 6-11=0/225, 3-13=0/388, 5-11=-217/72, 4-13=-118/0, 5-12=-149/40

NOTES-
 1) Unbalanced floor live loads have been considered for this design.
 2) All plates are 3x4 MT20 unless otherwise indicated.
 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



October 23, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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|----------|-------|-----------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676465 |
| DO180908 | F2KW | Floor Supported Gable | 1 | 1 | Job Reference (optional) | |

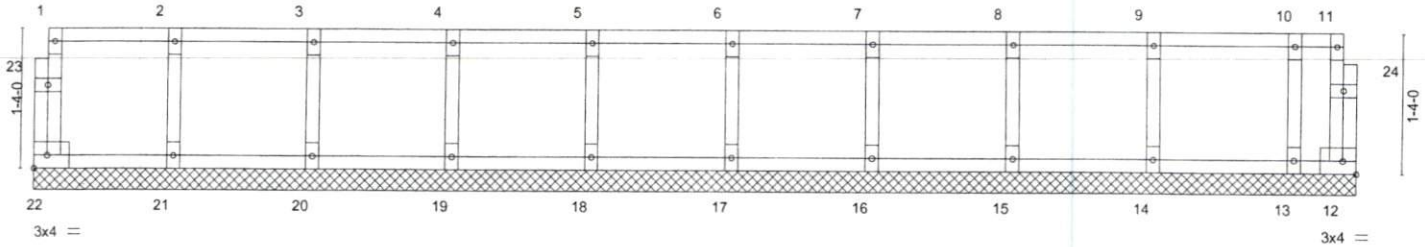
Truss Builders, Inc., Morrisville, NC

8,240 s Jul 14 2019 MiTek Industries, Inc. Wed Oct 23 07:10:21 2019 Page 1
ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-fe5_j4WYuEq80llYLO7_ql7mv2oS3YRCp1UZ4cyQc3G

0-1-8

0-1-8

Scale = 1:20.7



| | | | | | | |
|----------------------|------|----------------------|-------------|--------------------------|---------------|---------------|
| LOADING (psf) | | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL | 40.0 | 2-0-0 | TC 0.08 | in (loc) l/def L/d | MT20 | 244/190 |
| TCDL | 10.0 | Plate Grip DOL 1.00 | BC 0.02 | Vert(LL) n/a - n/a 999 | | |
| BCLL | 0.0 | Lumber DOL 1.00 | WB 0.03 | Vert(CT) n/a - n/a 999 | | |
| BCDL | 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.00 12 n/a n/a | | |
| | | Code IBC2015/TPI2014 | | | Weight: 57 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 12-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

FORCES.

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

NOTES-

- All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- 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 MI-7473 rev. 10/03/2015 BEFORE USE.

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ENGINEERING BY
TRENCO
A MiTek Affiliate

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|----------|-------|-----------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676467 |
| DO180908 | F3KW | Floor Supported Gable | 1 | 1 | Job Reference (optional) | |

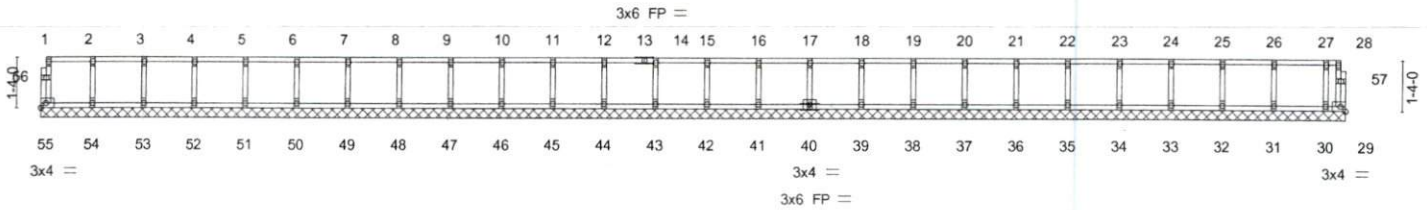
Truss Builders, Inc., Morrisville, NC

8,240 s Jul 14 2019 MiTek Industries, Inc. Wed Oct 23 07:10:24 2019 Page 1
 ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-3Dm7L6YQB9CjID170WhhS_IH8FpAGvAV?jDgxyQc3D

0-1-8

0-1-8

Scale = 1:56.6



| | | | | | | | | | |
|---------------|------|----------------------|------|----------|------|---------------------------|-------------|-------------|------------------------------|
| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. in (loc) l/defl L/d | | PLATES GRIP | |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.08 | 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 29 n/a | n/a | |
| BCDL | 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | Weight: 146 lb FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

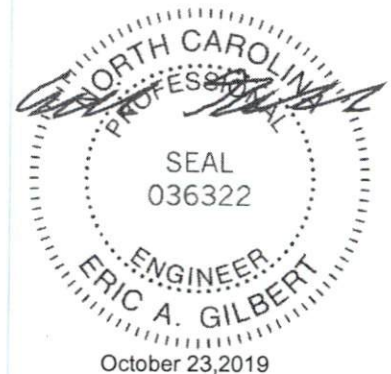
All bearings 33-10-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 29, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30

FORCES.

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

NOTES-

- All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- 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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| | | | | | | |
|----------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676468 |
| DO180908 | F4 | FLOOR | 6 | 1 | Job Reference (optional) | |

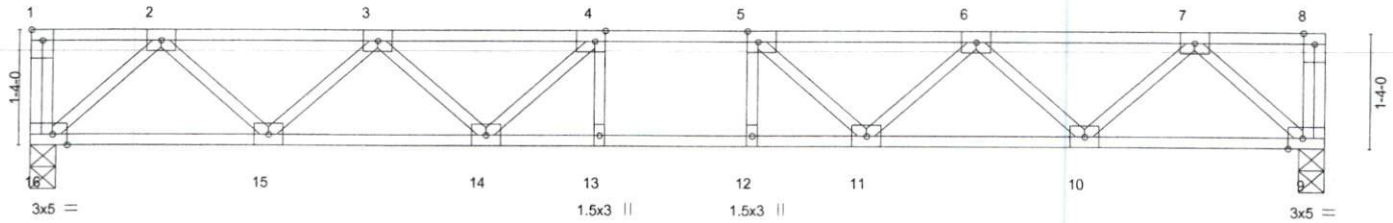
Truss Builders, Inc., Morrisville, NC

8.240 e Oct 7 2019 MiTek Industries, Inc. Wed Oct 23 14:59:33 2019 Page 1
 ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-kgTIO_Rs2tBntZKcZAgPd_Sg69qeZG2YnwoXyQW3e



TRUSS SPACING HAS CHANGED
 TO 2-0-0 O.C. AS SHOWN.
 NO REPAIR REQUIRED.

Scale = 1:25.1



| | | | | |
|-------|-------|-------|--------|---------|
| 2-9-0 | 5-3-0 | 9-7-8 | 12-1-8 | 14-10-8 |
| 2-9-0 | 2-6-0 | 4-4-8 | 2-6-0 | 2-9-0 |

Plate Offsets (X,Y) - [1:Edge,0-1-8], [2:0-0-0,0-0-0], [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-0-0,0-0-0], [9:0-2-0,Edge], [16:0-2-0,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|-------------|--------|-----|---------------|---------------|
| TCLL 40.0 | 2-0-0 | TC 0.41 | Vert(LL) | -0.12 13-14 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.90 | Vert(CT) | -0.16 13-14 | >999 | 240 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.37 | Horz(CT) | 0.04 9 | n/a | n/a | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | | | | | | |
| | Code IBC2015/TPI2014 | | | | | | Weight: 78 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except [P] end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=804/0-3-8, 9=804/0-3-8

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-16=-44/0, 8-9=-44/0, 1-2=0/0, 2-3=-1410/0, 3-4=-2184/0, 4-5=-2423/0, 5-6=-2184/0, 6-7=-1410/0, 7-8=0/0
 BOT CHORD 15-16=0/854, 14-15=0/1937, 13-14=0/2423, 12-13=0/2423, 11-12=0/2423, 10-11=0/1937, 9-10=0/854
 WEBS 7-9=-1137/0, 2-16=-1137/0, 7-10=0/774, 2-15=0/774, 6-10=-732/0, 3-15=-732/0, 6-11=0/397, 3-14=0/397, 5-11=-479/0, 4-14=-479/0, 4-13=-125/153, 5-12=-125/153

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



October 23, 2019

| | | | | | | |
|----------|-------|-----------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676469 |
| DO180908 | F4KW | Floor Supported Gable | 1 | 1 | Job Reference (optional) | |

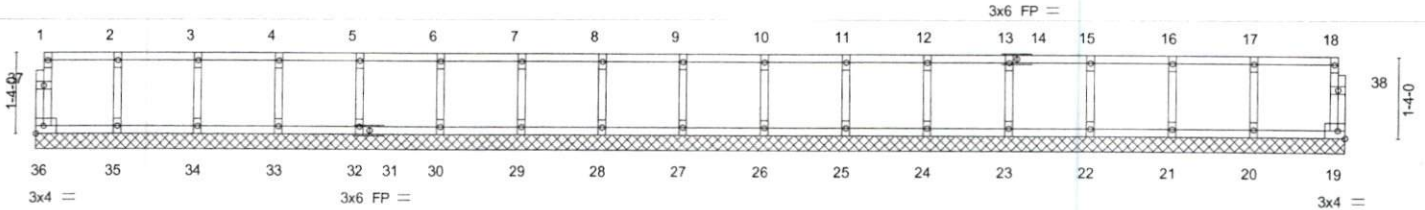
Truss Builders, Inc., Morrisville, NC

8,240 s Jul 14 2019 MiTek Industries, Inc. Wed Oct 23 07:10:25 2019 Page 1
 ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-XPkVZRZ2ySKaVMcKaECw?BHStf9V?MPokfSnDnyQc3C

0-1-8

0-1-8

Scale = 1:35.8



| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|-----|---------------|---------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.08 | Vert(LL) | n/a | n/a | 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | 999 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 19 | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 94 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 21-6-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20

FORCES.

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

NOTES-

- All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- 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.



October 23, 2019

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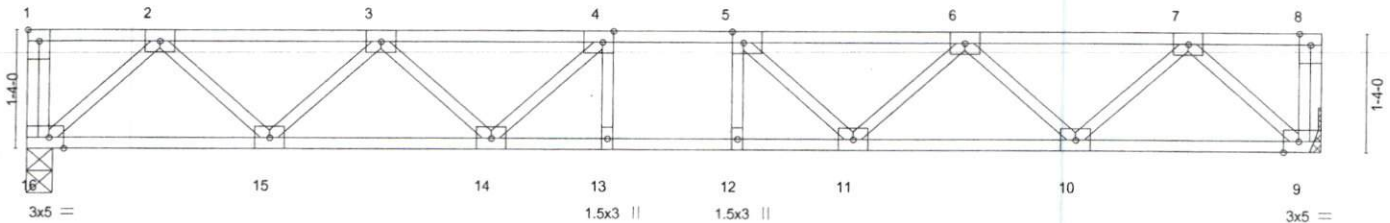
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|---------------------------------------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676472 |
| DO180908 | F7 | FLOOR | 5 | 1 | | |
| Truss Builders, Inc., Morrisville, NC | | | | | Job Reference (optional) | |

8.240 e Oct 7 2019 MiTek Industries, Inc. Wed Oct 23 15:04:49 2019 Page 1
 ID:XFkMq9loGQT7c0neEAgrzGyaS_T-SWmw1UpfR8hLiRj37wmDF4S6U01hUgZC?TTuDYQW_i



TRUSS SPACING HAS CHANGED
 TO 2-0-0 O.C. AS SHOWN.
 NO REPAIR REQUIRED.

Scale = 1:24.5



| | | | | |
|-------|-------|-------|---------|--------|
| 2-9-0 | 5-3-0 | 9-4-0 | 11-10-0 | 14-7-0 |
| 2-9-0 | 2-6-0 | 4-1-0 | 2-6-0 | 2-9-0 |

Plate Offsets (X,Y) - [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-2-0,Edge], [16:0-2-0,Edge]

| | | | | | |
|----------------------|----------------------|-------------|-------------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 2-0-0 | TC 0.40 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.81 | Vert(LL) -0.11 12-13 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.36 | Vert(CT) -0.15 12-13 >999 240 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.04 9 n/a n/a | | |
| | Code IBC2015/TPI2014 | | | Weight: 78 lb | FT = 0%F, 6%E |

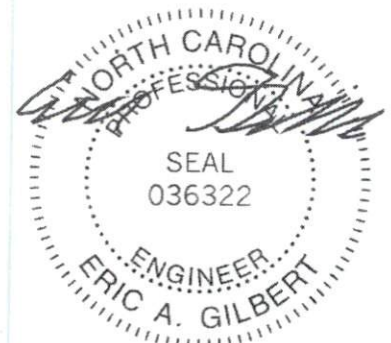
LUMBER-
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 16=788/0-3-8, 9=788/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-16=-44/0, 8-9=-44/0, 1-2=0/0, 2-3=-1376/0, 3-4=-2115/0, 4-5=-2335/0, 5-6=-2115/0, 6-7=-1376/0, 7-8=0/0
 BOT CHORD 15-16=0/836, 14-15=0/1886, 13-14=0/2335, 12-13=0/2335, 11-12=0/2335, 10-11=0/1886, 9-10=0/836
 WEBS 7-9=-1112/0, 2-16=-1112/0, 7-10=0/751, 2-15=0/751, 6-10=-710/0, 3-15=-710/0, 6-11=0/371, 3-14=0/371, 5-11=-440/0, 4-14=-440/0, 4-13=-125/149, 5-12=-125/149

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 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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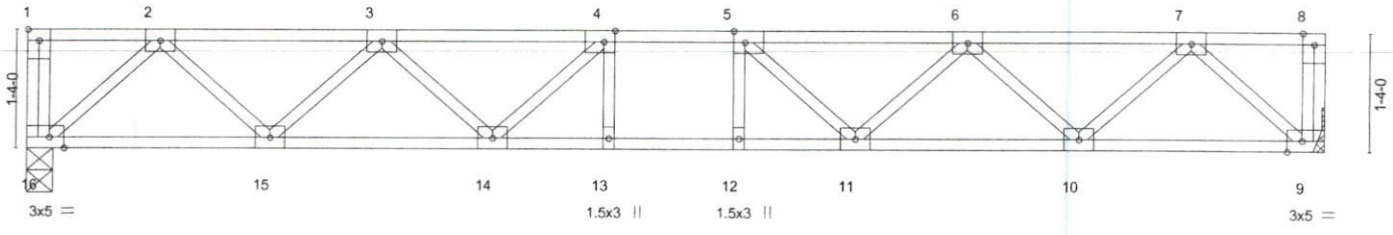
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|---------------------------------------|-------|------------|-----|-----|--------------------------|---|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676471 |
| DO180908 | F6 | FLOOR | 1 | 1 | Job Reference (optional) | |
| Truss Builders, Inc., Morrisville, NC | | | | | | 8.240 e Oct 7 2019 MITek Industries, Inc. Wed Oct 23 15:03:55 2019 Page 1 |
| | | | | | | ID:XFkmQ9loGQT7c0neEAgzGyaS_T-17VWh09n9Yt0D7bhyat61trDkjbP13JcncOc?MyQW?Y |



TRUSS SPACING HAS CHANGED TO 2-0-0 O.C. AS SHOWN. NO REPAIR REQUIRED.

Scale = 1:24.5



| | | | | |
|---|-------|-------|---------|--------|
| 2-9-0 | 5-3-0 | 9-4-0 | 11-10-0 | 14-7-0 |
| 2-9-0 | 2-6-0 | 4-1-0 | 2-6-0 | 2-9-0 |
| Plate Offsets (X,Y) - [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-2-0,Edge], [16:0-2-0,Edge] | | | | |

| | | | | | |
|----------------------|----------------------|-------------|-------------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 2-0-0 | TC 0.40 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.81 | Vert(LL) -0.11 12-13 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.36 | Vert(CT) -0.15 12-13 >999 240 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.04 9 n/a n/a | | |
| | Code IBC2015/TPI2014 | | | Weight: 78 lb | FT = 0%F, 6%E |

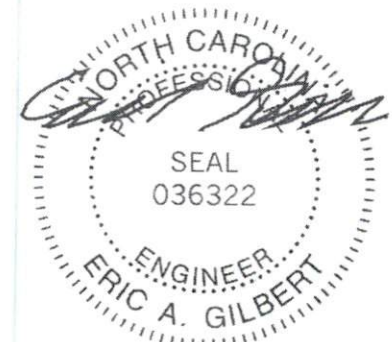
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 16=788/0-3-8, 9=788/Mechanical

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-44/0, 8-9=-44/0, 1-2=0/0, 2-3=-1376/0, 3-4=-2115/0, 4-5=-2335/0, 5-6=-2115/0, 6-7=-1376/0, 7-8=0/0
BOT CHORD 15-16=0/836, 14-15=0/1886, 13-14=0/2335, 12-13=0/2335, 11-12=0/2335, 10-11=0/1886, 9-10=0/836
WEBS 7-9=-1112/0, 2-16=-1112/0, 7-10=0/751, 2-15=0/751, 6-10=-710/0, 3-15=-710/0, 6-11=0/371, 3-14=0/371, 5-11=-440/0, 4-14=-440/0, 4-13=-125/149, 5-12=-125/149

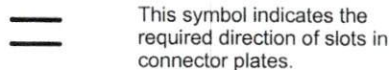
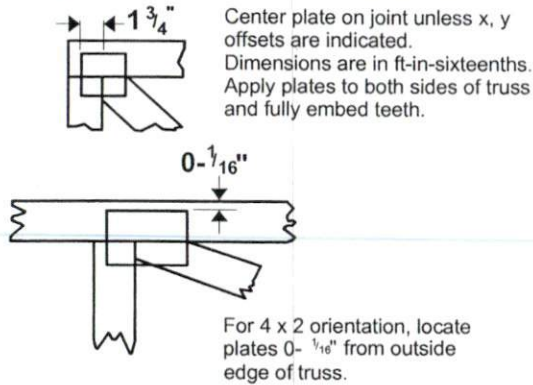
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



October 23, 2019

Symbols

PLATE LOCATION AND ORIENTATION



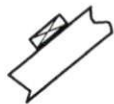
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

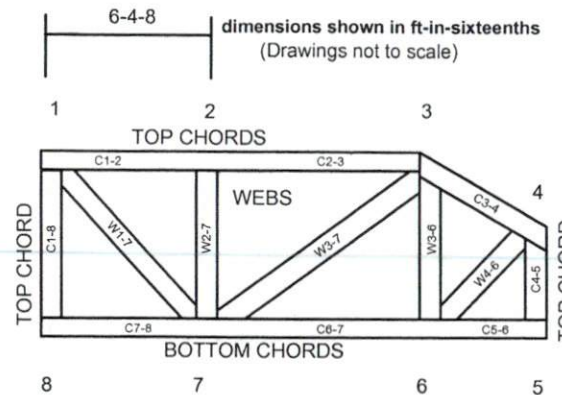


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
- DSB-89: Design Standard for Bracing.
- BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

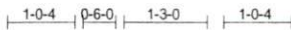
Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

| | | | | | | |
|----------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676473 |
| DO180908 | F8 | FLOOR | 5 | 1 | Job Reference (optional) | |

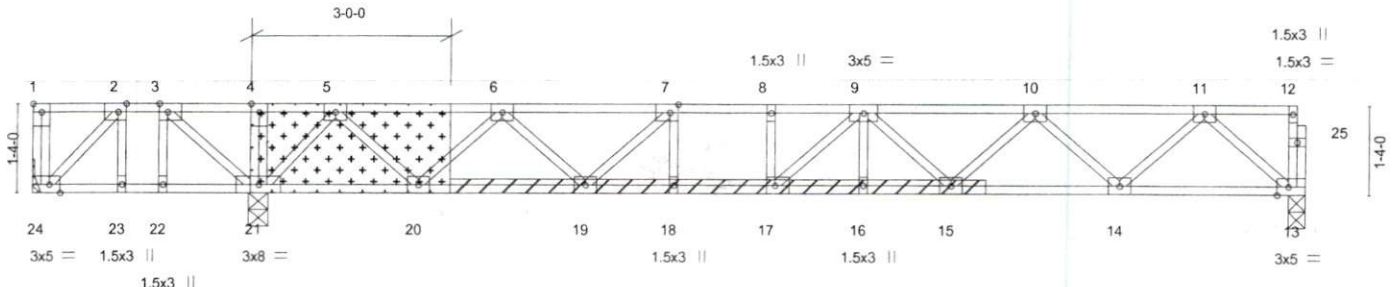
Truss Builders, Inc., Morrisville, NC

8 240 e Oct 7 2019 MiTek Industries, Inc. Wed Oct 23 15:05:42 2019 Page 1
ID:XFkmQ9loGQT7c0neEAgzGyaS_T-PjTz9cSuzQMqYaGFJZHCsRnR5s16cQIMOlOnFyQVzt



REPAIR: TRUSS SPACING HAS CHANGED TO 2-0-0 O.C. AS SHOWN.

Scale = 1:32.6



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER.



APPLY 2 X 3 or 2 X 4 X 8' SPF/DF/SP NO.2 SCAB(S) TO EACH FACE OF TRUSS AS SHOWN. ATTACH WITH CONSTRUCTION QUALITY ADHESIVE AND (1 ROW) OF (0.131" X 3") NAILS SPACED 2" ON CENTER IN ALL ALIGNING MEMBERS. USE 2" MEMBER END DISTANCE.



Plate Offsets (X,Y) - [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [7:0-1-8,Edge], [13:0-2-0,Edge], [17:0-1-8,Edge], [24:0-2-0,Edge]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|----------------|---------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.76 | Vert(LL) | -0.14 16-17 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 1.00 | Vert(CT) | -0.20 16-17 | >938 | 240 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.48 | Horz(CT) | 0.03 13 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 105 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except [P] end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 24=-273/Mechanical, 13=750/0-3-0, 21=1580/0-3-8

Max Uplift 24=-398(LC 4)

Max Grav 24=51(LC 3), 13=753(LC 7), 21=1580(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-24=-113/0, 12-13=-37/0, 1-2=0/0, 2-3=0/529, 3-4=0/1246, 4-5=0/1246, 5-6=-406/0, 6-7=-1523/0, 7-8=-2027/0, 8-9=-2027/0, 9-10=-1993/0, 10-11=-1311/0, 11-12=-2/0

BOT CHORD 23-24=-529/0, 22-23=-529/0, 21-22=-529/0, 20-21=-370/0, 19-20=0/1088, 18-19=0/2027, 17-18=0/2027, 16-17=0/2204, 15-16=0/2204, 14-15=0/1788, 13-14=0/803

WEBS 4-21=-69/36, 2-24=0/748, 3-21=-1020/0, 2-23=-277/0, 3-22=0/288, 11-13=-1066/0, 5-21=-1281/0, 11-14=0/707, 5-20=0/1009, 10-14=-663/0, 6-20=-956/0, 10-15=0/286, 6-19=0/613, 9-15=-287/0, 9-16=0/120, 7-19=-703/0, 9-17=-410/157, 7-18=-7232, 8-17=-70/65

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 24.
- 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.
- CAUTION. Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
A MiTek Affiliate

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Edenton, NC 27932

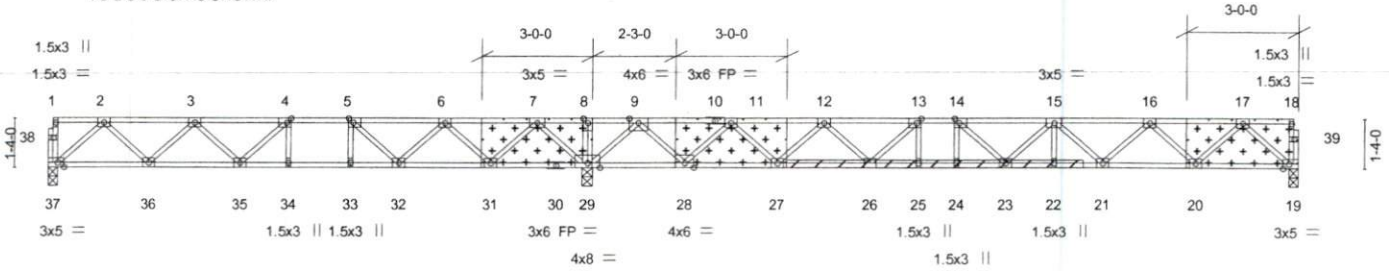
| | | | | | | |
|----------|-------|------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676466 |
| DO180908 | F3 | FLOOR | 6 | 1 | Job Reference (optional) | |

Truss Builders, Inc., Morrisville, NC

8.240 a Oct 7 2019 MITek Industries, Inc. Wed Oct 23 14:52:23 2019 Page 1
ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-I?hvSONi7xiCCnhhQFSq_xBrqmJku0Pifxl?iTyQWAM



REPAIR: TRUSS SPACING HAS CHANGED TO 2-0-0 O.C. AS SHOWN.



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER.



APPLY 2 X 3 or 2 X 4 X 8' SPF/DF/SP NO.2 SCAB(S) TO EACH FACE OF TRUSS AS SHOWN. ATTACH WITH CONSTRUCTION QUALITY ADHESIVE AND (1 ROW) OF (0.131"X3") NAILS SPACED 2" ON CENTER IN ALL ALIGNING MEMBERS. USE 2" MEMBER END DISTANCE.

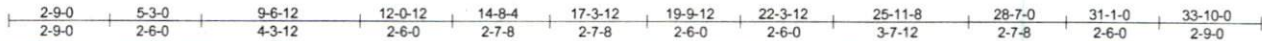


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-2-0,Edge], [37:0-2-0,Edge]

| | | | | | | | | | |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|----------------|---------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.95 | Vert(LL) | -0.25 23-24 | >906 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 1.00 | Vert(CT) | -0.33 23-24 | >682 | 240 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.65 | Horz(CT) | 0.05 19 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | Weight: 176 lb | FT = 0%F, 6%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except [P] end verticals. |
| BOT CHORD 2x4 SP No.2(flat) | BOT CHORD Rigid ceiling directly applied. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 37=560/0-3-0, 29=2261/0-3-8, 19=861/0-3-0
Max Grav 37=678(LC 3), 29=2261(LC 1), 19=901(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-37=-45/0, 18-19=-37/0, 1-2=-2/0, 2-3=-1151/3, 3-4=-1673/176, 4-5=-1703/435, 5-6=-1264/812, 6-7=-250/1402, 7-8=0/2793, 8-9=0/2793, 9-11=-50/742, 11-12=-1623/143, 12-13=-2611/0, 13-14=-3024/0, 14-15=-3046/0, 15-16=-2628/0, 16-17=-1630/0, 17-18=-2/0
BOT CHORD 36-37=0/713, 35-36=-41/1565, 34-35=-435/1703, 33-34=-435/1703, 32-33=-435/1703, 31-32=-1099/885, 29-31=-1789/0, 28-29=-1481/0, 27-28=-382/970, 26-27=0/2243, 25-26=0/3024, 24-25=0/3024, 23-24=0/3024, 22-23=0/2989, 21-22=0/2989, 20-21=0/2259, 19-20=0/972
WEBS 8-29=-108/0, 2-37=-946/0, 7-29=-1468/0, 2-36=-24/609, 7-31=0/1086, 3-36=-576/53, 6-31=-1036/0, 3-35=-188/150, 6-32=0/717, 4-35=-41/427, 5-32=-931/0, 4-34=-328/0, 5-33=0/354, 17-19=-1291/0, 9-29=-1746/0, 17-20=0/916, 9-28=0/1368, 16-20=-874/0, 11-28=-1340/0, 16-21=0/513, 11-27=0/964, 15-21=-491/0, 15-22=-26/15, 12-27=-917/0, 15-23=-155/176, 12-26=0/617, 14-23=-183/371, 13-26=-757/0, 13-25=-39/313, 14-24=-302/59

- NOTES-
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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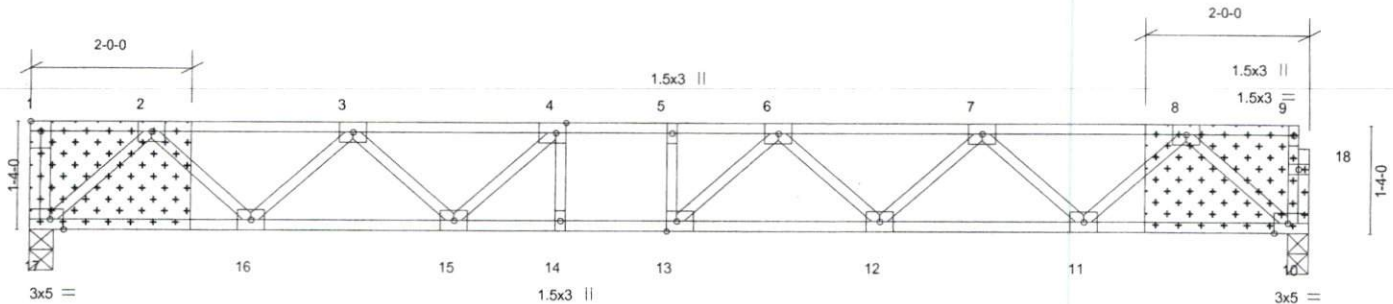
| | | | | | | |
|---------------------------------------|-------|------------|-----|-----|---------------------|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | SELECT CUSTOM BLDRS | E13676470 |
| DO180908 | F5 | FLOOR | 7 | 1 | | |
| Truss Builders, Inc., Morrisville, NC | | | | | | Job Reference (optional) |

8 240 e Oct 7 2019 MiTek Industries, Inc. Wed Oct 23 15:01:41 2019 Page 1
 ID:XFkmQ9loGQT7c0neEAgzGyaS_T-yMPsZCXjN?18XLx6RThbcJliqmeRSuzmwX17yQW1e



REPAIR: TRUSS SPACING HAS CHANGED TO 2-0-0 O.C. AS SHOWN.

0-1-8
 Scale = 1:26.9



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER.

| | | | | |
|---|-------|--------|--------|--------|
| 2-9-0 | 5-3-0 | 10-6-0 | 13-0-0 | 15-9-0 |
| 2-9-0 | 2-6-0 | 5-3-0 | 2-6-0 | 2-9-0 |
| Plate Offsets (X,Y) - [1:Edge,0-1-8], [4:0-1-8,Edge], [10:0-2-0,Edge], [13:0-1-8,Edge], [17:0-2-0,Edge] | | | | |

| | | | | | |
|----------------------|----------------------|-------------|-------------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 2-0-0 | TC 0.45 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.90 | Vert(LL) -0.16 12-13 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.40 | Vert(CT) -0.22 12-13 >859 240 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.05 10 n/a n/a | | |
| | Code IBC2015/TPI2014 | | | Weight: 83 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except [P] end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=852/0-3-8, 10=846/0-3-0

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-17=-44/0, 9-10=-38/0, 1-2=0/0, 2-3=-1514/0, 3-4=-2390/0, 4-5=-2704/0, 5-6=-2704/0, 6-7=-2395/0, 7-8=-1512/0, 8-9=-2/0
 BOT CHORD 16-17=0/910, 15-16=0/2086, 14-15=0/2704, 13-14=0/2704, 12-13=0/2666, 11-12=0/2089, 10-11=0/908
 WEBS 8-10=-1206/0, 2-17=-1211/0, 8-11=0/840, 2-16=0/840, 7-11=-803/0, 3-16=-796/0, 7-12=0/424, 3-15=0/462, 6-12=-377/0, 4-15=-543/0, 6-13=-193/345, 4-14=-86/156, 5-13=-140/39

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.



October 23, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
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ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: DO180908
619 JASMINE RD FT

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

Pages or sheets covered by this seal: E13260652 thru E13260663

My license renewal date for the state of North Carolina is December 31, 2019.

North Carolina COA: C-0844



July 10, 2019

Strzyzewski, Marvin

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

| | | | | | | |
|-----------------|-------------|---------------------|-----------|----------|-------------------|-----------|
| Job 00160908 | Truss F1 | Truss Type Floor | Qty 18 | Ply 1 | 619 JASMINE RD FT | E13260652 |
|-----------------|-------------|---------------------|-----------|----------|-------------------|-----------|

Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jul 10 10:04:53 2019 Page 1

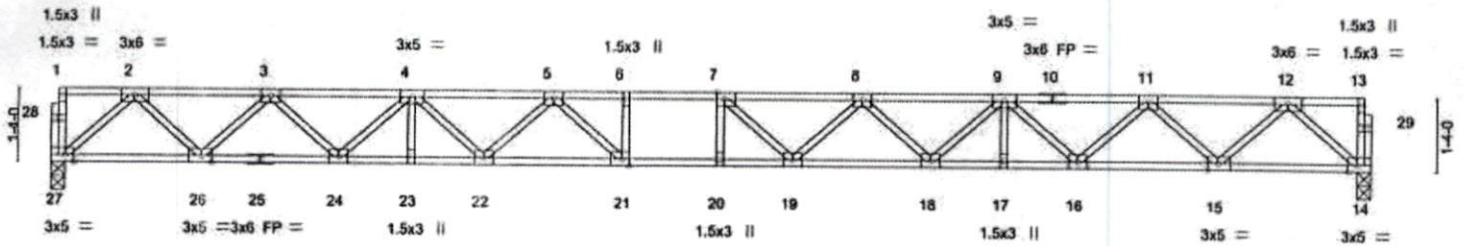
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0-1-8

H | 1-3-0 |

| 1-7-0 |

0-1-8
Scale = 1:40.4



| | | | | | | | |
|---|-------|--------|--------|---------|--------|--------|---------|
| 2-9-0 | 5-3-0 | 7-10-8 | 13-5-8 | 15-11-8 | 18-7-0 | 21-1-0 | 23-10-0 |
| 2-9-0 | 2-6-0 | 2-7-8 | 5-7-0 | 2-6-0 | 2-7-8 | 2-6-0 | 2-9-0 |
| Plate Offsets (X,Y) - [7:0-1-8,Edge], [14:0-2-0,Edge], [15:0-2-4,Edge], [21:0-1-8,Edge], [26:0-2-4,Edge], [27:0-2-0,Edge] | | | | | | | |

| | | | | | | | | | |
|----------------------|----------------------|-------|------------|--------------|----------|-------|------|----------------|---------------|
| LOADING (psf) | SPACING- | 1-4-0 | CSL | DEFL. | in (loc) | l/def | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.70 | Vert(LL) | -0.46 | 20 | >611 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.90 | Vert(CT) | -0.64 | 20 | >445 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.47 | Horz(CT) | 0.09 | 14 | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 125 lb | FT = 0%F, 6%E |

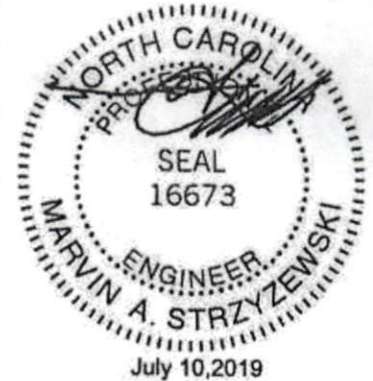
| | |
|---|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2(flat) *Except* 14-25: 2x4 SP No.1D(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 27=861/0-3-0, 14=861/0-3-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=1650/0, 3-4=2847/0, 4-5=3685/0, 5-6=4185/0, 6-7=4185/0, 7-8=4116/0,
8-9=3687/0, 9-11=2846/0, 11-12=1650/0
BOT CHORD 26-27=0/942, 24-26=0/2337, 23-24=0/3372, 22-23=0/3372, 21-22=0/3992, 20-21=0/4185,
19-20=0/4185, 18-19=0/4003, 17-18=0/3366, 16-17=0/3366, 15-16=0/2338, 14-15=0/942
WEBS 12-14=-1252/0, 2-27=-1253/0, 12-15=0/985, 2-26=0/985, 11-15=-957/0, 3-26=-955/0,
11-16=0/706, 3-24=0/709, 9-16=-708/0, 4-24=-714/0, 9-18=0/449, 4-22=0/425,
8-18=-426/0, 5-22=-437/0, 8-19=-34/310, 5-21=-97/519, 7-19=-380/197

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MH-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MITTEK 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 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 216 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
A MITTEK AIRBAULT

818 Soundside Road
Edenton, NC 27932

| | | | | | | |
|----------|-------|-----------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | 619 JASMINE RD FT | E13260653 |
| DO180908 | F1KW | Floor Supported Gable | 1 | 1 | Job Reference (optional) | |

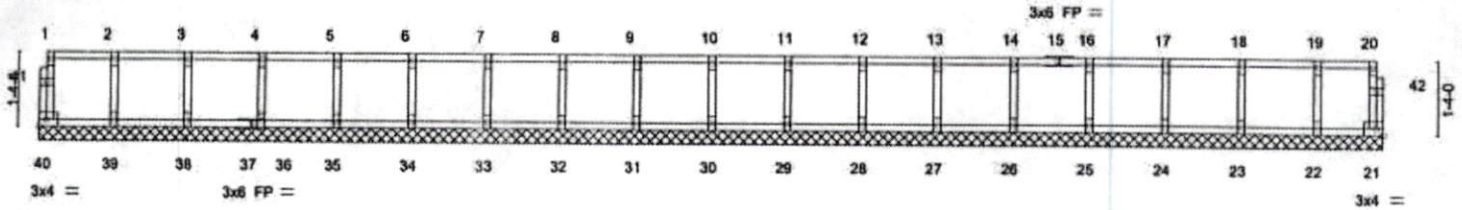
Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:04:54 2019 Page 1
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0-1/8

0-1/8

Scale = 1:39.7



23-10-0
23-10-0

| | | | | | | | | | |
|----------------------|-----------------|-----------------|-------------|--------------|----------|--------|-----|----------------|---------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.08 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 21 | n/a | | |
| BCDL 5.0 | Code | IBC2015/TPJ2014 | Matrix-R | | | | | | |
| | | | | | | | | Weight: 104 lb | FT = 0%F, 6%E |

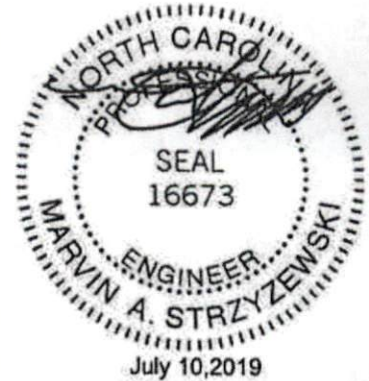
LUMBER-
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 23-10-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22

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.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 10/03/2018 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 ANSIPR11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

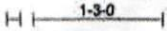
ENGINEERING BY
TRENCO
 A MITek Affiliate
 818 Soundside Road
 Eden, NC 27932

| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F2 | Truss Type Floor | Qty 2 | Ply 1 | 619 JASMINE RD FT | E13260654 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

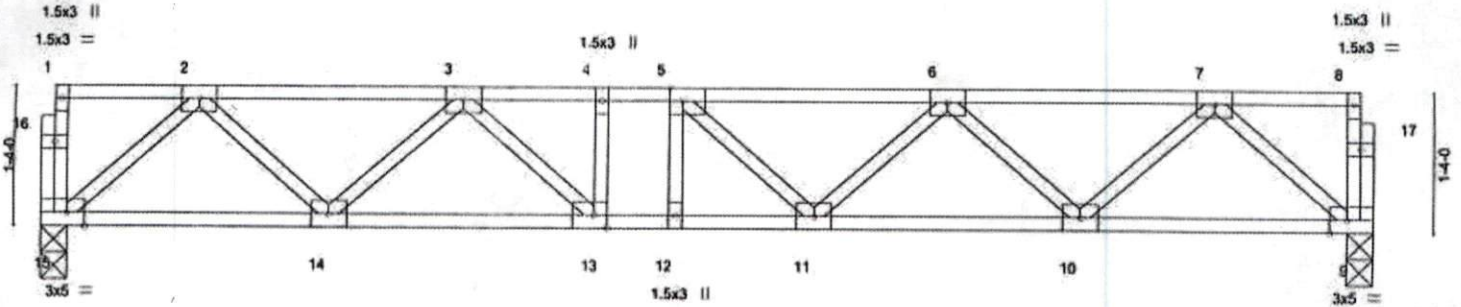
Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jul 10 10:04:55 2019 Page 1
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0-1-8



0-1-8
Scale = 1:21.1



| | | | |
|---|-------|--------|--------|
| 2-9-0 | 7-4-0 | 9-10-0 | 12-7-0 |
| 2-9-0 | 4-7-0 | 2-6-0 | 2-9-0 |
| Plate Offsets (X,Y)- [5:0-1-8,Edge], [9:0-2-0,Edge], [13:0-1-8,Edge], [15:0-2-0,Edge] | | | |

| | | | | | |
|----------------------|----------------------|-------------|-------------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 1-7-3 | TC 0.29 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.51 | Vert(LL) -0.06 11-12 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.23 | Vert(CT) -0.08 11-12 >999 240 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.02 9 n/a n/a | | |
| | Code IBC2015/TPI2014 | | | Weight: 68 lb | FT = 0%F, 6%E |

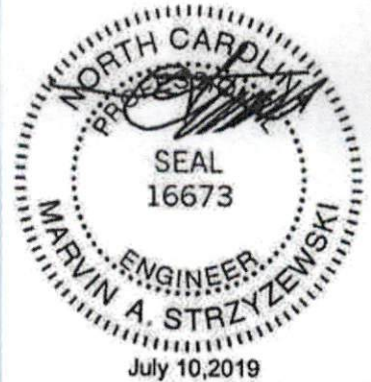
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 15=537/0-3-0, 9=537/0-3-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-902/0, 3-4=-1373/0, 4-5=-1373/0, 5-6=-1320/0, 6-7=-909/0
BOT CHORD 14-15=0/571, 13-14=0/1217, 12-13=0/1373, 11-12=0/1373, 10-11=0/1230, 9-10=0/567
WEBS 7-9=-752/0, 2-15=-758/0, 7-10=0/476, 2-14=0/460, 6-10=-447/0, 3-14=-439/0, 3-13=0/310

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - 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.



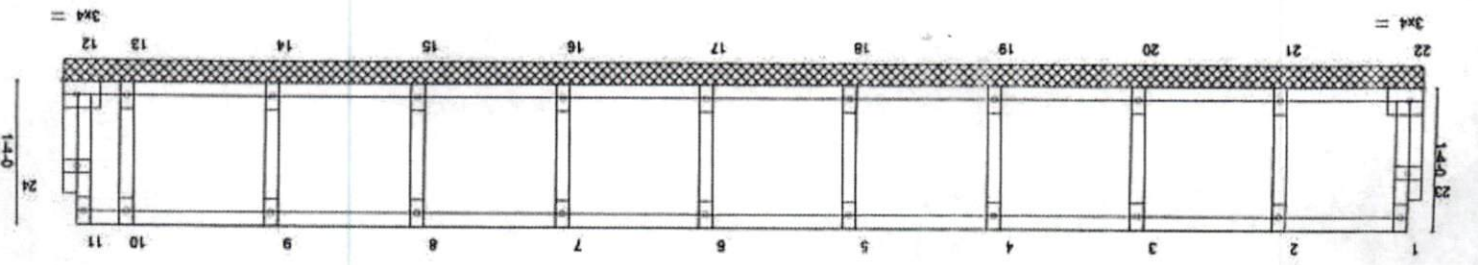
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 ANSITPH Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Leo Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

| | | | |
|------------|---------------------------------------|--------------------------|-------------------|
| Job | Truss Builders, Inc., Morrisville, NC | Job Reference (optional) | 619 JASMINE RD FT |
| Truss | PKW | Qty | 1 |
| Truss Type | Floor Supported Gable | Ply | 1 |
| DC180908 | | | |

ID:FKM09i0c0TTcdneAgzCyas_T-nLWYkxy4sikaTJ_0r1478FRqvr7BJOUhWf8jzVrB
 8,220 S Nov 18 2018 MarTek Industries, Inc. Wed Jul 10 10:04:56 2019 Page 1
 Scale = 1:20.7



| LOADING (psf) | SPACING | CSL | DEFL. | in (loc) | Wdefl | L/d |
|---------------|----------------------|-------|----------|----------|-------|-----|
| TCLL 40.0 | Plate Grip DOL | 1.00 | Vert(LL) | n/a | n/a | 999 |
| TCDL 10.0 | Lumber DOL | 1.00 | Vert(CT) | n/a | n/a | 999 |
| BCLL 0.0 | Rep Stress Incr | YES | Horz(CT) | 0.00 | 12 | n/a |
| BCDL 5.0 | Code IBC2015/FP12014 | Mix-R | | | | n/a |

| 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) | |

REACTIONS. All bearings 12-7-0.
 (b) - Max Gravity All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

FORCES. (b) - 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 14-0 oc.
 5) Recommend 2x4 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.



July 10, 2019

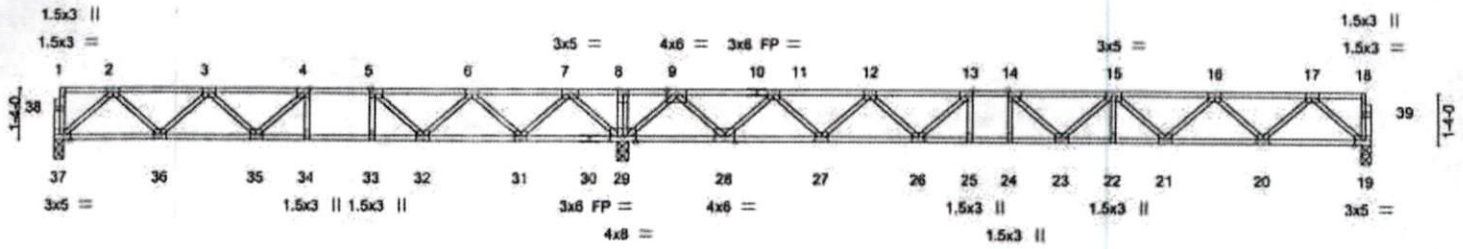
TRENCO ENGINEERING BY A MEMBER AMERICA
 818 Soundside Road
 Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MARK REFERENCE PAGE MR-7473 rev. 10/2019 BEFORE USE.
 Design valid for use only with MarTek connectors. The 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 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, erection, delivery, erection and bracing of trusses and truss systems, see ANSIPPT Quality Criteria, DSB-88 and BCSI Building Component Safety Information available from Truss Plus Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F3 | Truss Type Floor | Qty 6 | Ply 1 | 619 JASMINE RD FT | E13260656 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:04:58 2019 Page 1
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| | | | | | | | | | | | |
|-------|-------|--------|---------|--------|---------|---------|---------|---------|--------|--------|---------|
| 2-9-0 | 5-3-0 | 8-6-12 | 12-0-12 | 14-8-4 | 17-3-12 | 19-9-12 | 22-3-12 | 25-11-8 | 28-7-0 | 31-1-0 | 33-10-0 |
| 2-9-0 | 2-6-0 | 4-3-12 | 2-6-0 | 2-7-8 | 2-7-8 | 2-6-0 | 2-6-0 | 3-7-12 | 2-7-8 | 2-6-0 | 2-9-0 |

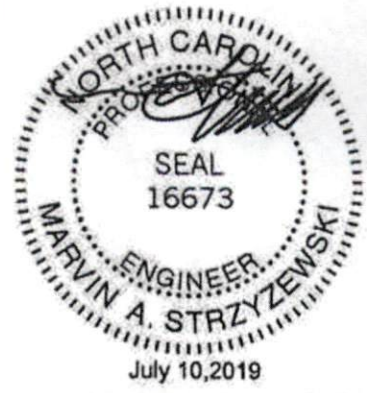
| | | | | | | | | | | | |
|--|----------------------|-------|----------|----------|-------------|--------|-----|----------------|---------------|--|--|
| Plate Offsets (X,Y) - [4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-2-0,Edge], [37:0-2-0,Edge] | | | | | | | | | | | |
| LOADING (psf) | SPACING- | 1-7-3 | CSL | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP | | |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.76 | Vert(LL) | -0.20 23-24 | >999 | 480 | MT20 | 244/190 | | |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.95 | Vert(CT) | -0.27 23-24 | >854 | 240 | | | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.52 | Horz(CT) | 0.04 19 | n/a | n/a | | | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | Weight: 176 lb | FT = 0%F, 6%E | | |

| | | |
|-----------------------------|-----------|---|
| LUMBER- | BRACING- | |
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2(flat) | BOT CHORD | Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | | |

REACTIONS. (lb/size) 37=448/0-3-0, 29=1807/0-3-8, 19=688/0-3-0
Max Grav 37=542(LC 3), 29=1807(LC 1), 19=720(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-920/2, 3-4=-1337/141, 4-5=-1361/348, 5-6=-1010/649, 6-7=-200/1121, 7-8=0/2233, 8-9=0/2233, 9-11=-40/593, 11-12=-1297/114, 12-13=-2087/0, 13-14=-2417/0, 14-15=-2435/0, 15-16=-2101/0, 16-17=-1303/0
 BOT CHORD 36-37=0/570, 35-36=-33/1251, 34-35=-348/1361, 33-34=-348/1361, 32-33=-348/1361, 31-32=-878/707, 29-31=-1430/0, 28-29=-1184/0, 27-28=-305/776, 26-27=0/1793, 25-26=0/2417, 24-25=0/2417, 23-24=0/2417, 22-23=0/2390, 21-22=0/2390, 20-21=0/1806, 19-20=0/777
 WEBS 2-37=-757/0, 7-29=-1174/0, 2-36=-19/487, 7-31=0/868, 3-36=-461/42, 6-31=-828/0, 6-32=0/573, 4-35=-32/342, 5-32=-745/0, 4-34=-262/0, 5-33=0/283, 17-19=-1032/0, 9-29=-1390/0, 17-20=0/732, 9-28=0/1094, 16-20=-699/0, 11-28=-1071/0, 16-21=0/410, 11-27=0/771, 15-21=-393/0, 12-27=-733/0, 12-26=0/494, 14-23=-146/297, 13-26=-605/0

- NOTES-
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 4) CAUTION, Do not erect truss backwards.



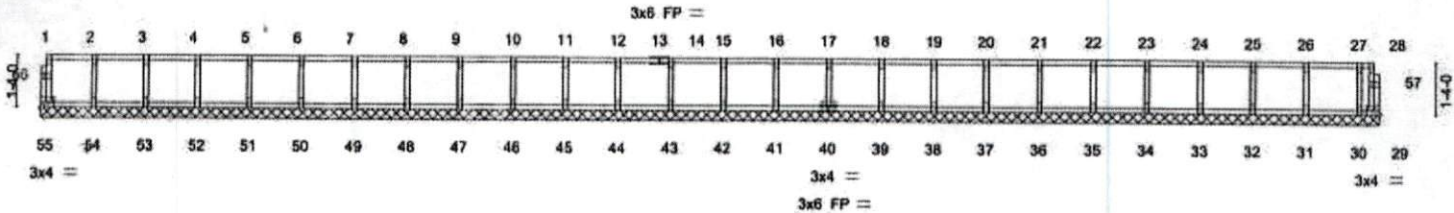
| | | | | | | |
|---------------------------------------|-------|-----------------------|-----|-----|--------------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | 619 JASMINE RD FT | E13260657 |
| DO18D908 | F3KW | Floor Supported Gable | 1 | 1 | | |
| Truss Builders, Inc., Morrisville, NC | | | | | Job Reference (optional) | |

6.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:05:02 2019 Page 1
 ID: XFKmQ9loGQT7c0noEAgzGyaS_T-bUtpL0j35lOn8867UFPVTJKAcj8za4si4MNyzVRV

0-1/8

0-1/8

Scale = 1:56.6



| | | | | | | | | | |
|----------------------|----------------------|-------|------------|--------------|----------|-------|-----|----------------|---------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSL | DEFL. | in (loc) | Vdefl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.08 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.02 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 29 | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 146 lb | FT = 0%F, 6%E |

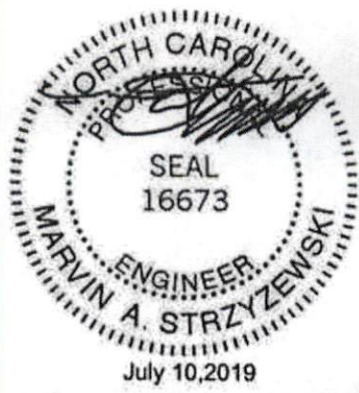
LUMBER-
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 33-10-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 29, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30

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.



| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F4 | Truss Type Floor | Qty 6 | Ply 1 | 619 JASMINE RD FT | E13260658 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

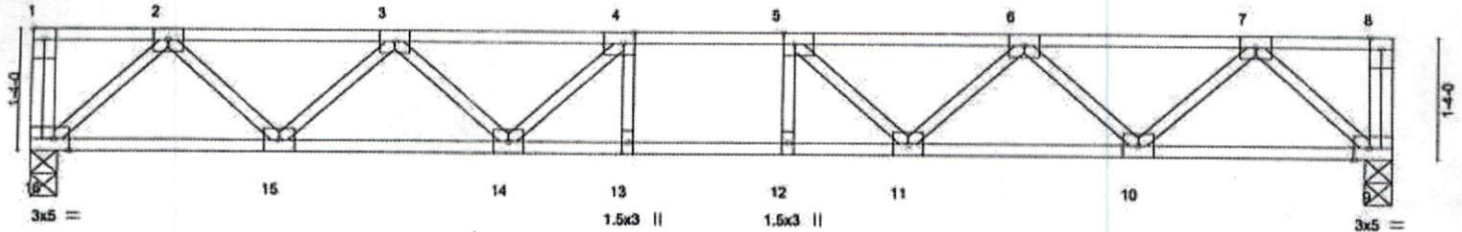
Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:05:03 2019 Page 1
ID:XFkmQ9loQQT7c0neEAgrzGyaS_T-3hRC3h1LR0BxwYMKGpfjnd2aFjKzSW6jWRdupyzVRU

1-3-0

1-7-8

Scale = 1:24.4



| | | | | |
|-------|-------|-------|--------|---------|
| 2-9-0 | 5-3-0 | 9-7-8 | 12-1-8 | 14-10-8 |
| 2-9-0 | 2-6-0 | 4-4-8 | 2-6-0 | 2-9-0 |

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-2-0,Edge], [16:0-2-0,Edge]

| LOADING (psf) | SPACING- | CSL | DEFL | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|-------------|--------|-----|---------------|---------------|
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.32 | Vert(LL) | -0.10 13-14 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.72 | Vert(CT) | -0.13 13-14 | >999 | 240 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.29 | Horz(CT) | 0.03 9 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | Matrix-R | | | | | | |
| | | | | | | | Weight: 78 lb | FT = 0%F, 6%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

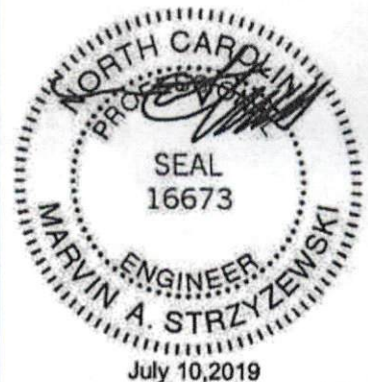
REACTIONS. (lb/size) 16=643/0-3-8, 9=643/0-3-8

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

| | |
|-----------|---|
| TOP CHORD | 2-3=-1128/0, 3-4=-1746/0, 4-5=-1937/0, 5-6=-1746/0, 6-7=-1128/0 |
| BOT CHORD | 15-16=0/683, 14-15=0/1548, 13-14=0/1937, 12-13=0/1937, 11-12=0/1937, 10-11=0/1548, 9-10=0/683 |
| WEBS | 7-9=-909/0, 2-16=-909/0, 7-10=0/619, 2-15=0/619, 6-10=-585/0, 3-15=-585/0, 6-11=0/317, 3-14=0/317, 5-11=-383/0, 4-14=-383/0 |

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- 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 MB-7473 rev. 10/03/2015 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 ANSIP/TPI Quality Criteria, DSB-89 and BCS1 Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
A IA IBC AFFILIATE
818 Soundside Road
Edenton, NC 27932

| | | | | | | |
|----------|-------|-----------------------|-----|-----|-------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | 619 JASMINE RD FT | E13260659 |
| DO180908 | F4KW | Floor Supported Gable | 1 | 1 | | |

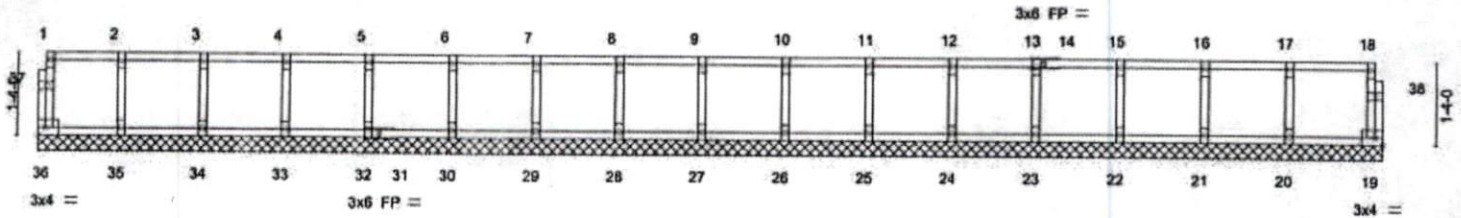
Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:05:04 2019 Page 1
 ID:XFkmO9loGQT7c0neEAgrzGyaS_T-YL_aG11zCKJoYhwWGXAyKqao07rAB1SDXABAQGyzVRT

0-1/8
H

0-1/8
H

Scale = 1:35.8



21'-6-0
21'-6-0

| | | | | | |
|----------------------|----------------------|-------------|--------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 2-0-0 | TC 0.08 | in (loc) l/def L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.01 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.03 | Vert(CT) n/a - n/a 999 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.00 19 n/a n/a | | |
| | Code IBC2015/TP12014 | | | Weight: 94 lb | FT = 0%F, 6%E |

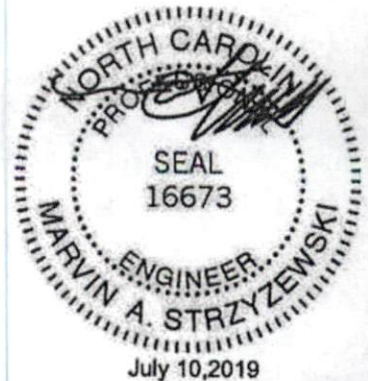
LUMBER-
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 21-6-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20

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

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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 M9-7473 rev. 10/03/2016 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 ANSIP111 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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 A MITek Alliance
 818 Soundside Road
 Edenton, NC 27932

| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F5 | Truss Type Floor | Qty 7 | Ply 1 | 619 JASMINE RD FT | E13260650 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

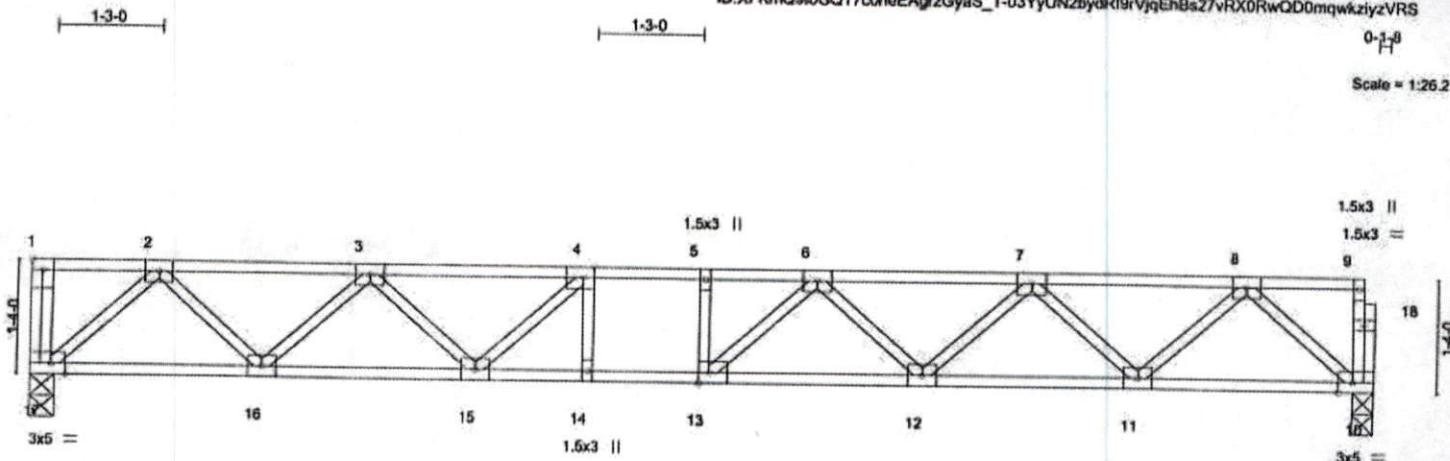
Truss Builders, Inc., Morrisville, NC

8.220 s Nov 18 2018 MITek Industries, Inc. Wed Jul 10 10:05:05 2019 Page 1
ID:XFkmQ9loGQT7c0neEAgzGyaS_T-03YyUN2bydRf9VjqEhBs27vRX0RwQD0mqwkziyzVRS

Job Reference (optional)

0-1-0

Scale = 1:26.2



| | | | | |
|-------|-------|--------|--------|--------|
| 2-9-0 | 5-3-0 | 10-6-0 | 13-0-0 | 15-9-0 |
| 2-9-0 | 2-6-0 | 5-3-0 | 2-6-0 | 2-9-0 |

| | | | | | | | | | |
|---|----------------------|-------|------------|----------------|----------|--------|-----|---------------|---------------|
| Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [10:0-2-0,Edge], [13:0-1-8,Edge], [17:0-2-0,Edge] | | | | | | | | | |
| LOADING (psf) | SPACING- | 1-7-3 | CSI | DEFL | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | | TC 0.34 | Vert(LL) -0.12 | 12-13 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | | BC 0.72 | Vert(CT) -0.17 | 12-13 | >999 | 240 | | |
| BCLL 0.0 | Rep Stress Incr YES | | WB 0.32 | Horz(CT) 0.04 | 10 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 83 lb | FT = 0%F, 6%E |

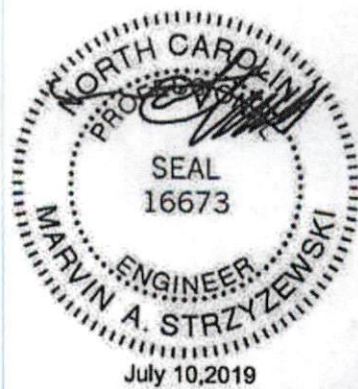
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 17=682/0-3-8, 10=677/0-3-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1210/0, 3-4=-1910/0, 4-5=-2162/0, 5-6=-2162/0, 6-7=-1914/0, 7-8=-1209/0
BOT CHORD 16-17=0/727, 15-16=0/1668, 14-15=0/2162, 13-14=0/2162, 12-13=0/2131, 11-12=0/1670, 10-11=0/726
WEBS 8-10=-964/0, 2-17=-968/0, 8-11=0/672, 2-16=0/672, 7-11=-642/0, 3-16=-636/0, 7-12=0/339, 3-15=0/369, 6-12=-302/0, 4-15=-434/0, 6-13=-154/276

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x4 MT20 unless otherwise indicated.
 - 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.
 - CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.
Design void 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 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

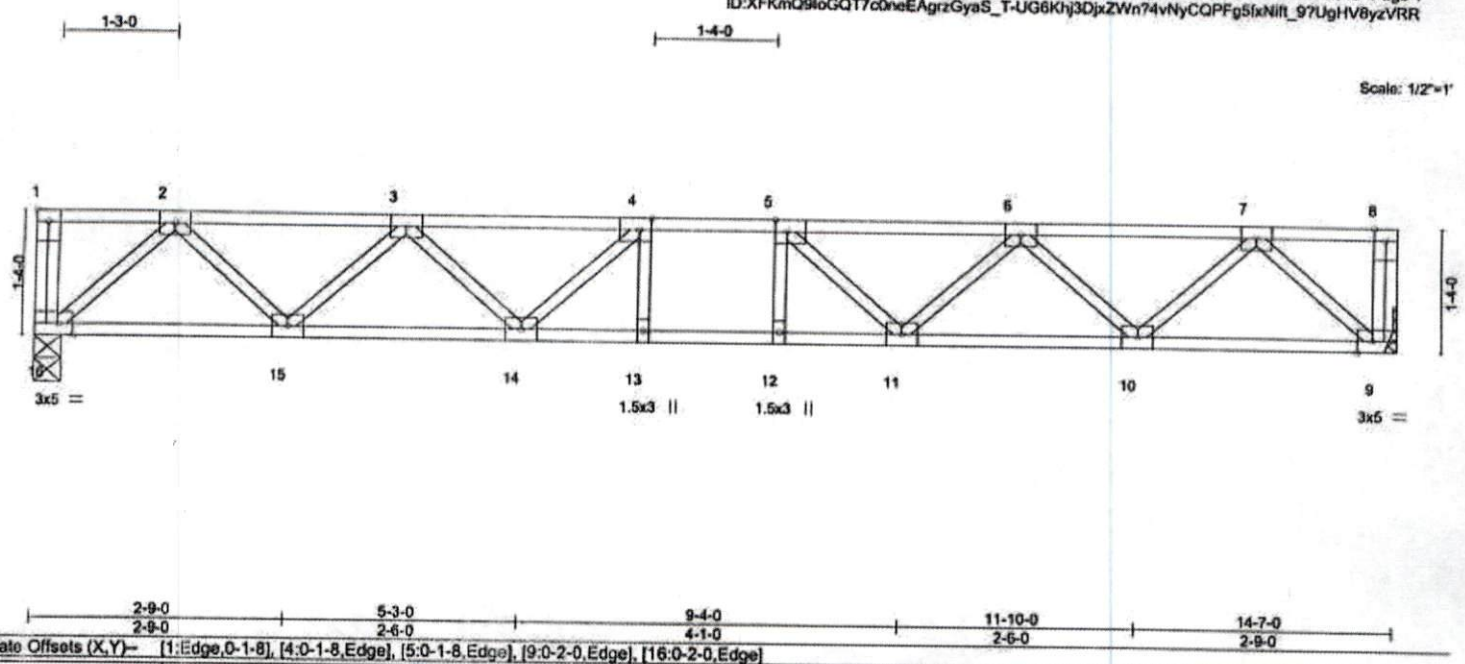
ENGINEERING BY
TRENCO
A MITEK COMPANY
618 Soundside Road
Edenton, NC 27932

| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F6 | Truss Type FLOOR | Qty 1 | Ply 1 | 619 JASMINE RD FT | E13260661 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jul 10 10:05:06 2019 Page 1
ID:XFkmQ9loGQT7c0neEAgrzGyaS_T-UG6Khj3DjxZWn74vNyCQPFg5fxNlft_97UgHV8yzVRR

Scale: 1/2"=1'



| | | | | | |
|---------------|----------------------|----------|-------------------------------|---------------|---------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 40.0 | 1-7-3 | TC 0.31 | In (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.65 | Vert(LL) -0.09 12-13 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.29 | Vert(CT) -0.12 12-13 >999 240 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.03 9 n/a n/a | | |
| | Code IBC2015/TPI2014 | | | Weight: 78 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purtins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=630/0-3-8, 9=630/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=1100/0, 3-4=1691/0, 4-5=1867/0, 5-6=1691/0, 6-7=1100/0
 BOT CHORD 15-16=0/668, 14-15=0/1508, 13-14=0/1867, 12-13=0/1867, 11-12=0/1867, 10-11=0/1508, 9-10=0/668
 WEBS 7-9=889/0, 2-16=889/0, 7-10=0/601, 2-15=0/601, 6-10=567/0, 3-15=567/0, 6-11=0/296, 3-14=0/296, 5-11=352/0, 4-14=352/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 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.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 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 ANSVTPH Quality Criteria, DSB-99 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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TRENCO
 A MiTek AIRBAU
 818 Soundside Road
 Edenton, NC 27932

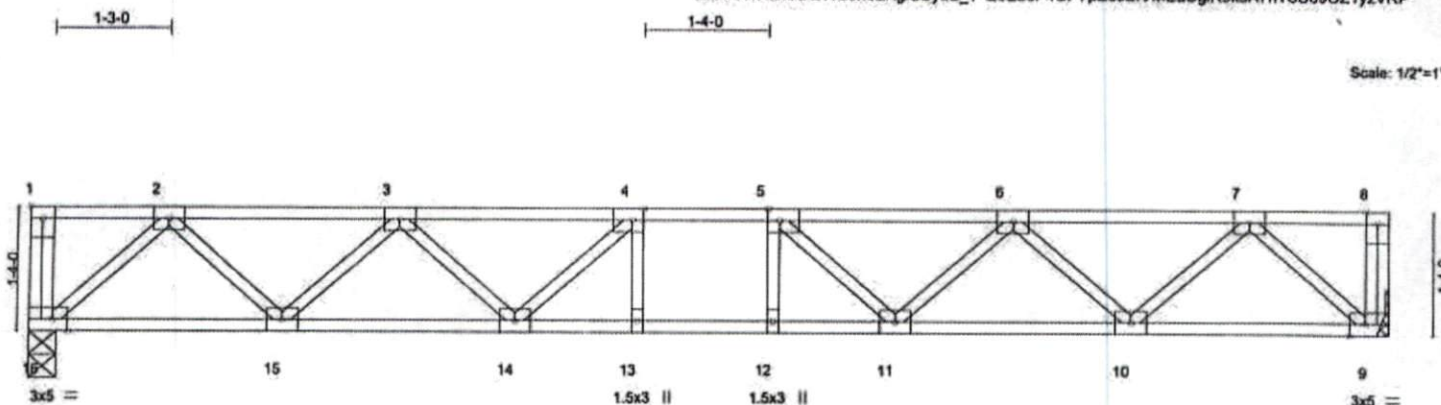
| | | | | | | |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|
| Job DO180908 | Truss F7 | Truss Type Floor | Qty 5 | Ply 1 | 619 JASMINE RD FT | E13260662 |
|-----------------|-------------|---------------------|----------|----------|-------------------|-----------|

Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jul 10 10:05:08 2019 Page 1

ID:XFkMq9loGQT7c0neEAgrzGyaS_T-QeE56P4UFYpE0JEIVMEUgIR9k3A7nTSSo9OZ1yzVRP

Scale: 1/2"=1'



| | | | | |
|-------|-------|-------|---------|--------|
| 2-9-0 | 5-3-0 | 9-4-0 | 11-10-0 | 14-7-0 |
| 2-9-0 | 2-6-0 | 4-1-0 | 2-6-0 | 2-9-0 |

| | | | | | | | | | |
|---|----------------------|----------|----------------|--------------|----------|--------|-----|---------------|---------------|
| Plate Offsets (X,Y) - [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:0-2-0,Edge], [16:0-2-0,Edge] | | | | | | | | | |
| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.31 | Veri(LL) -0.09 | 12-13 | >999 | 480 | | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.65 | Veri(CT) -0.12 | 12-13 | >999 | 240 | | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.29 | Horz(CT) 0.03 | 9 | n/a | n/a | | | |
| BCDL 5.0 | Code IBC2015/TP12014 | Matrix-R | | | | | | | |
| | | | | | | | | Weight: 78 lb | FT = 0%F, 6%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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=630/0-3-8, 9=630/Mechanical

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

TOP CHORD 2-3=-1100/0, 3-4=-1891/0, 4-5=-1867/0, 5-6=-1691/0, 6-7=-1100/0
TOP CHORD 15-16=0/568, 14-15=0/1508, 13-14=0/1867, 12-13=0/1867, 11-12=0/1867, 10-11=0/1508, 9-10=0/668
WEBS 7-9=-889/0, 2-16=-889/0, 7-10=0/601, 2-15=0/601, 6-10=-567/0, 3-15=-567/0, 6-11=0/296, 3-14=0/296, 5-11=-352/0, 4-14=-352/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 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.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 10/03/2016 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 ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
A MiTek Affiliate

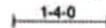
818 Seaside Road
Eden, NC 27932

| | | | | | | |
|----------|-------|------------|-----|-----|-------------------|-----------|
| Job | Truss | Truss Type | Qty | Ply | 618 JASMINE RD FT | E13260663 |
| DO180908 | F8 | Floor | 5 | 1 | | |

Truss Builders, Inc., Morrisville, NC

8.220 s Nov 16 2018 MITek Industries, Inc. Wed Jul 10 10:05:09 2019 Page 1
ID:XFkM09loGQT7c0neEAgrzGyaS_T-uroTJl560sx5eTpU34m71uJXH8LxsCBchSux6TyzvRO

Job Reference (optional)



0-1-8

Scale: 3/8"=1'

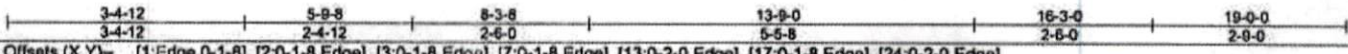
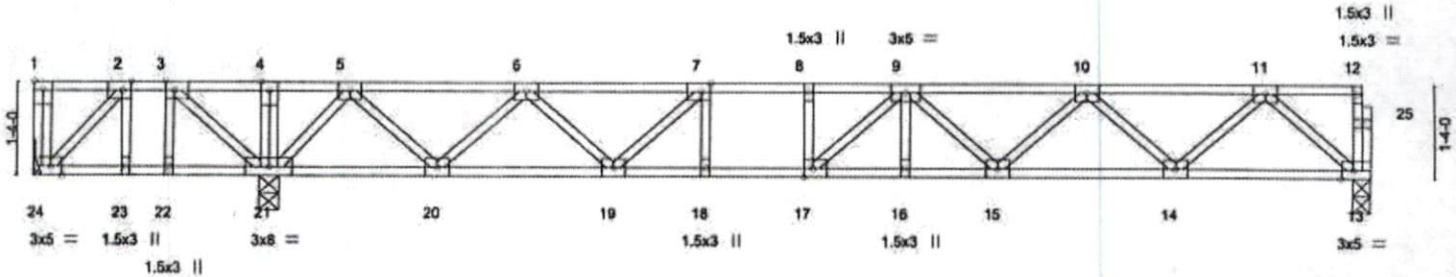


Plate Offsets (X, Y) - [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [7:0-1-8,Edge], [13:0-2-0,Edge], [17:0-1-8,Edge], [24:0-2-0,Edge]

| | | | | | | | | | |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|----------------|---------------|
| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.81 | Vert(LL) | -0.11 16-17 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.87 | Vert(CT) | -0.16 16-17 | >999 | 240 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.38 | Horz(CT) | 0.02 13 | n/a | n/a | | |
| BCDL 5.0 | Code IBC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 105 lb | FT = 0%F, 6%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 24=-218/Mechanical, 13=600/0-3-0, 21=1263/0-3-8
Max Uplift 24=-318(LC 4)
Max Grav 24=41(LC 3), 13=602(LC 7), 21=1263(LC 1)

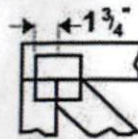
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/423, 3-4=0/996, 4-5=0/996, 5-6=-324/0, 6-7=-1218/0, 7-8=-1621/0, 8-9=-1621/0, 9-10=-1593/0, 10-11=-1048/0
BOT CHORD 23-24=-423/0, 22-23=-423/0, 21-22=-423/0, 20-21=-296/0, 19-20=0/870, 18-19=0/1621, 17-18=0/1621, 16-17=0/1762, 15-16=0/1762, 14-15=0/1429, 13-14=0/642
WEBS 2-24=0/598, 3-21=-815/0, 11-13=-852/0, 5-21=-1024/0, 11-14=0/565, 5-20=0/807, 10-14=-530/0, 6-20=-765/0, 6-19=0/490, 7-19=-562/0, 9-17=-328/125

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 24.
 - 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.

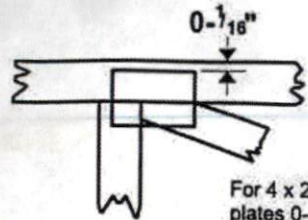


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MITek 20/20 software or upon request.

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

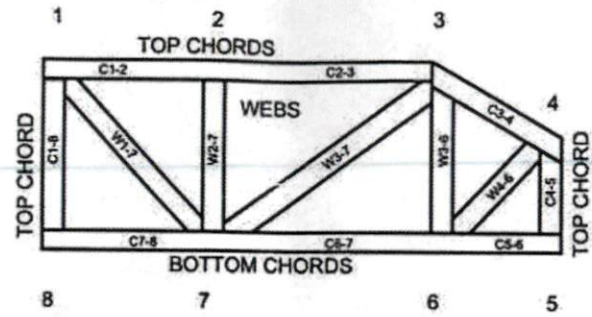
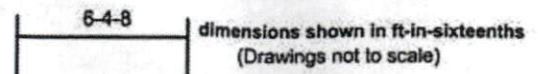


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
- DSB-89: Design Standard for Bracing.
- BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

- ESR-1311, ESR-1352, ESR1988
- ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

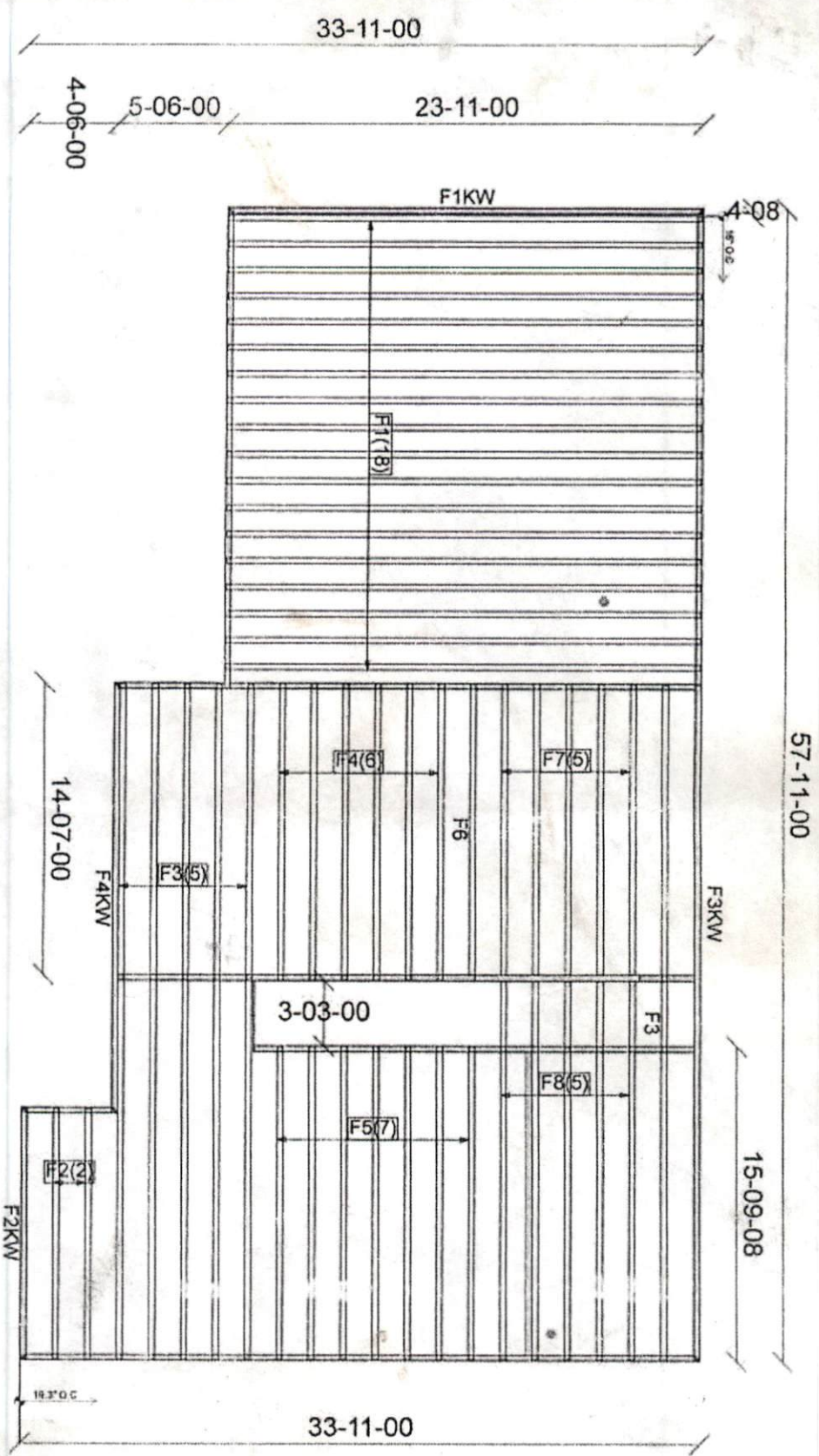
Callin No sound ~~cost~~

Walls - Wrong Shown

not searched
Cabinets - Bleeding

6814 919-557

Lisa



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