| BID #1903888F Designed in Burlington, V | WA Review | county Bundary Reitsap.Wa. | | | | | | BASIC PERMIT PACKAGE REVIEWED FOR CODE COMPLIANCE 7/ WITH IRC 2015 KITSAP COUNTY BUILDING DEPARTMENT | | | | |
|--|------------------|----------------------------|-----------------------|-------------|---------|---------|-------|---|------------------------|-------------------------------------|-----|--|
| ENVISION NW Floors Roof | | | 2020 | | | | 40- | 00-00 | | | | |
| | 9-06 | 5-00 | + | | 10-06-0 | 00 | | | 20-00- | 00 | | |
| 2-00-00 | | | ° | 0 | 0 | 0 | 0 | | | 5-04-04 | | |
| | F02F 2-00-0 | 00 | -12 | ○ 00 | o O | • • | • | I 6 ⊲ F01G 6 ⊲ F01E | 1-04-00 | | | |
| 6-01-00 | F02E 2-00-0 | 00 | 2-03. | 2-00-00 | 2-00-00 | 2-00-00 | + | | 2-00-00 | GT01 | | |
| لَّى ا | F02E 2-01-0 | 00 | GT02B | F02G | F02G | F02G | F02G | F01E GT01A | 1-02-00 | P1 | | |
| + | GT02C | 1 | -11-00 | | | | | o⊲ F01D | 2-00-00 | <u>o</u> | | |
| 9-03-08 | | p⊲ F02l 2 | -00-00 | | | | | p.⊲ F01D | 2-00-00 | 0-01-12 | | |
| | 7-05-00 | F02 | -00-00 | | | | | o.⊲ F01D | 2-00-00 | | | |
| | | <pre></pre> | -00-00 | | | | | o.⊲ F01D | 1-06-00 | <mark>m 3-08-08 مم</mark> ک ن | | |
| | | | -04-08 | | | | | GT01C | 2-01-12 | | | |
| 34-00-00 | 5 d GT02 F02C | | <u>7-08</u> -00-00 | | | | | 5.⊲ F01C | 2-00-00 | | | |
| 34-0 | Σ⊲ F02C | | -00-00 | | | | | o.⊲ F01C | 2-00-00 | | (7) | |
| | Σ⊲ F02C | | - | | | | | o.⊲ F01C | 2-00-00 | | | |
| | F02C | | 2-00-00 | | | | | ⊳⊲ F01C | 2-00-00 | a | | |
| | >⊲ F02C | 2-00-00 | | | | | | o⊲ F01C | | | | |
| | ∑⊲ F02C | 2-00-00 | | | | | | o⊲ F01C | 2-00-00 2-00-00 | | | |
| | ×⊲ F02C | 2 | -00-00 | | | | | o.⊲ F01C | a | | | |
| | ۶d | 2 | -00-00 | | | | | 5.⊲ F01C | | | | |
| | F02C | 2 | -00-00 | | | | | F01B | | | | |
| _ | F02C | 1 | -10-04 | | | | | F01A | 2-00-00 | o | | |
| 0 | F02B | 24 | -01-12 | | | | | ⊳⊲ F01A | 2-00-00 | a | | |
| 00-00-9 | | F02A 2 | -00-00 | | | | | 2-00-00 F01A 2-00-00 | | | | |
| | | | -00-00 | | | | | o⊲ T F01A | 2-00-00 | | | |
| - | | F02 | • | | | | | F01 | 2-00-00 | | | |
| | 5-00-00 | | 1 | 15-00-0 | 00 | | | | 14-04-00 | 5-08-00 | | |
| | | T | | | | | 40- | 00-00 | | Ţ | | |
| | T | | | | | | | | | | | |
| | Basic Per | | | | | | | | | | | |
| | 3671 | | S S ATED | | Dep | oth: | 16-00 |) Spaci | ing: <i>24"</i> | | | |

| Job | Truss | Truss Type | Qty | Ply | ENVISION NW |
|--------------------------------|-----------------------------|-----------------------|------------------|----------|--|
| 1903888F | F01 | Floor Supported Gable | 1 | 1 | lab Reference (entionel) |
| Louws Truss, Inc., Ferndale, W | /A 98248 | | | | Job Reference (optional) 8.310 s Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:33:11 2019 Page 1 nwntyz 1pO-OMIKyWL63EqW0d66?uRr3HDFpdiuEjdN1mHkYayynK6 |
| | | | ID:T9FACX?ULBIN | NQU_rXIm | |
| | | | | | 0 ₁₁ 8 |
| | | | | | Scale = 1:22.8 |
| | | | | | |
| | | | | | |
| | | | | | |
| 1 2 | 3 4 | 5 6 | 5 7 | 8 | 8 9 10 11 12 |
| | | | | | |
| | | | | | |
| 9₩1 ST1 | ST1 S | TI STI S | ST1 ST1 | | |
| X X | | X X | H H | | |
| | | | | \sim | |
| 24 23 | 22 2 | 20 1 | 19 18 | | 17 16 15 14 13 |
| | | | | | 3x4 = |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 0-3-8 0-3-8 | | | 13-7-0 13-3-8 | | <u>13-10-</u> 8 0-3-8 |
| Plate Offsets (X,Y) [1: | Edge,0-0-12], [25:0-1-8,0-0 | -12] | 13-3-8 | | 0-3-8 |
| | | - | | | |

| 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 0.07 BC 0.02 WB 0.02 Matrix-R | DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00 | a - n/a 999 | PLATES MT20 Weight: 56 lb | GRIP 220/195 FT = 20%F, 11%E |
|---|---|--|---|-------------|--|---|
| LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing except end verticals. Rigid ceiling directly applie | | • | |

2x4 DF No.2(flat) 2x4 DF No.2(flat) WFBS OTHERS

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

REACTIONS. All bearings 13-10-8.

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

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

NOTES-

1) All plates are 1.5x4 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.

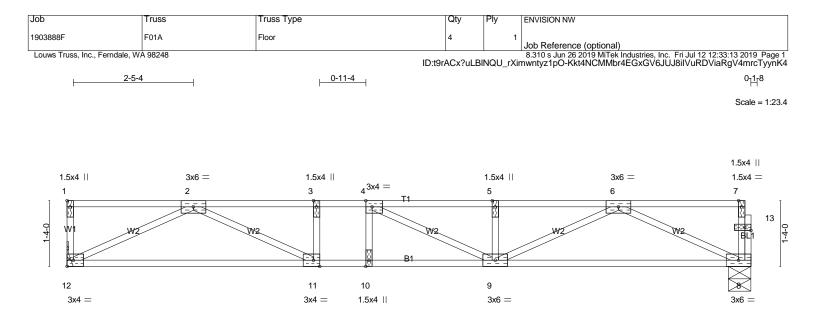
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means. 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Established Basic Permit

19-03671



| φ-3-8 | 5-1-8 | 5-7-2 ₁ 6-0-12 | | 13-7-0 | | <u>13-10</u> -8 0-3-8 |
|---|---|---|--|--|--|---|
| 0-3-8 | 4-10-0 | 0-5-10'0-5-10' | | 7-6-4 | | <u>0-3-8</u> |
| Plate Offsets (X,Y) | [1:Edge,0-0-12], [4:0-1-8,Edge], [11: | 0-1-8,Edge], [13:0-1-8,0-0- | 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 0.48 BC 0.71 WB 0.25 Matrix-SH | Vert(LL) -0.12 9-10 >9 Vert(CT) -0.16 9-10 >9 | defl L/d 999 480 999 360 n/a n/a | PLATES MT20 Weight: 64 lb | GRIP 220/195 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 D BOT CHORD 2x4 D WEBS 2x4 D | | | except end | wood sheathing di d verticals. ng directly applied | , ,, | , <i>'</i> |

REACTIONS. (lb/size) 8=747/0-5-8 (min. 0-1-8), 12=753/Mechanical

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

TOP CHORD 2-3=-2062/0, 3-4=-2062/0, 4-5=-2056/0, 5-6=-2056/0

BOT CHORD 11-12=0/1312, 10-11=0/2062, 9-10=0/2062, 8-9=0/1329

WEBS 6-8=-1464/0, 2-12=-1457/0, 6-9=0/808, 2-11=0/844, 5-9=-295/0, 4-9=-305/223

NOTES-

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

LOAD CASE(S) Standard

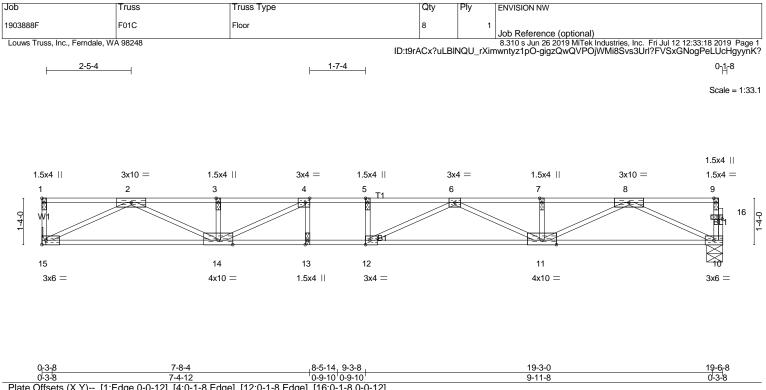
Established Basic Permit #

19-03671

| Job | Truss | Truss Type | Qty | Ply | ENVISION NW | | |
|-----------------------------------|---|---|--------------------------|--------------------|---|---|---|
| 1903888F | F01B | Floor | 1 | , | | | |
| Louws Truss, Inc., Ferndal | | | | | Job Reference (optio | nal) Tek Industries, Inc. Fri. | Jul 12 12:33:16 2019 Page 1 |
| | 0, 11100240 | | ID:t9rACx?uLBIN | IQU_rXir | nwntyz1pO-kJYD?EPF | | Jul 12 12:33:16 2019 Page 1 0yeHivws6B1?VDoyynK1 |
| 2-5-4 | | 0-8-12 | | | | 0-7-8 | 0- <u>1</u> -8 |
| | | | | | | | Scale = 1:32.3 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 1 | 3x4 = 2 3 | 3x4 = | 3x6 = | | 7 | 3x4 = 3x4 = 8 9 | 10 |
| I T | | 4 5 | 6 | | | o y | 10 |
| 0 W1 W2 | W2 " | W2 | W2 | TAS | WZ | | |
| | | | B1 | | | | |
| <u>۲ کل</u> ۱ | | E9 | | | | | |
| 18 2×4 — | 17 | 16 15 | _ | | $14 \times \times$ | 13× 12× × | <u>×××××</u> †µ 2vc – |
| 3x4 = | 3x6 | = 4x4 = | - | | 3x6 = | | 3x6 = |
| | | | | | | | |
| | | | | | | | |
| | | 0.5.0 | | | | 10.0.10 | |
| 0 <u>-3-8</u> 0-3-8 | 7-8-4 | 8-5-0 <u>8-0-10</u> 0-4-6 | <u>13-5-12</u> 5-0-12 | | 16-1-4 | 16-8-12 <u>16-5₇0</u> 0-3-12 | <u>19-3-0</u> <u>19-6</u> ₇ 8 2-6-4 0-3-8 |
| | | 0-4-6 0-4-6 dge], [8:0-1-8,Edge], [9:0-1-8,Ed | | 0.0 1 9 | | 0-3-12 | 2-0-4 0-3-0 |
| | | | | 9.0-1-0, | | | |
| LOADING (psf) TCLL 40.0 | | 0-0 CSI. .00 TC 0.49 | | n (loc)) 16-17 | l/defl L/d >999 480 | PLATES MT20 | GRIP 220/195 |
| TCDL 10.0 | Lumber DOL 1. | .00 BC 0.62 | Vert(CT) -0.13 | 3 16-17 | >999 360 | | |
| BCLL 0.0 BCDL 5.0 | Rep Stress Incr Y Code IRC2015/TPI20 | ES WB 0.27 014 Matrix-SH | Horz(CT) 0.02 | 2 14 | n/a n/a | Weight: 91 lb | FT = 20%F, 11%E |
| LUMBER- | | | BRACING- | | | | |
| TOP CHORD 2x4 D | | | TOP CHORD | | ural wood sheathing | directly applied or 6 | -0-0 oc purlins, |
| BOT CHORD 2x4 D WEBS 2x4 D | F No.2(flat) | | BOT CHORD | | t end verticals. ceiling directly applied | d or 6-0-0 oc bracin | g. |
| REACTIONS. All b | earings 6-1-8 except (it=leng | oth) 18=Mechanical. | | | | | |
| (lb) - Max l | Uplift All uplift 100 b or less | at joint(s) 11 except 13=-350(L | | C 2) 40 | | | |
| | | less at joint(s) 11, 13 except 14 | | .0 3), 12 | 2=300(LC 1) | | |
| | | es 250 (lb) or less except when 1370/0, 5-6=-1370/0, 6-7=0/990 | | | | | |
| 8-9= | =0/258 | 5-16=0/1370, 14-15=0/432, 13-1 | | n | | | |
| 11-1 | 2=-258/0 | | | Ο, | | | |
| | | =-1580/0, 2-17=0/579, 6-15=0/ =0/286, 8-14=-817/0, 8-13=-43 | | | | | |
| NOTES- | ,, • · · | ,, | , | | | | |
| 1) Unbalanced floor I | live loads have been conside | | | | | | |
| | 4 MT20 unless otherwise inc for truss to truss connections | | | | | | |
| 4) Provide mechanic | | russ to bearing plate capable o | f withstanding 100 lb up | olift at jo | int(s) 11 except (jt=lb |) | |
| 13=350. 5) This truss is desig | ned in accordance with the | 2015 International Residential C | Code sections R502.11. | 1 and R | 802.10.2 and | | |
| referenced standa | rd ANSI/TPI 1. | ed at 10-0-0 oc and fastened to | | | | | |
| Strongbacks to be | attached to walls at their ou | ter ends or restrained by other | | 0.1317 | x o j Hallo. | | |
| 7) CAUTION, Do not | erect truss backwards. | | | | | | |
| LOAD CASE(S) Star | ndard | | | | | | |
| | | | | | | | |

Established Basic Permit

19-03671



| Plate Offsets (X,Y) | [1:Edge,0-0-12], [4:0-1-8,Edge], [12: | 0-1-8,Edge], [16:0-1-8,0 | 0-0-12] | | | |
|---|---|---|------------------------------------|---|---------------------------------|---|
| 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 0.87 BC 0.67 WB 0.38 Matrix-SH | Vert(LL) -0.3 | n (loc) l/defl L/d 7 11-12 >619 480 3 11-12 >438 360 7 10 n/a n/a | PLATES MT20 Weight: 88 lb | GRIP 220/195 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DF No.2(flat) BOT CHORD 2x4 DF 2400F 2.0E(flat) WEBS 2x4 DF No.2(flat) | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing except end verticals. Rigid ceiling directly applie | , | |

REACTIONS. (lb/size) 10=1058/0-5-8 (min. 0-1-8), 15=1064/Mechanical

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

TOP CHORD 2-3=-3291/0, 3-4=-3291/0, 4-5=-4185/0, 5-6=-4185/0, 6-7=-3345/0, 7-8=-3345/0

BOT CHORD 14-15=0/1946, 13-14=0/4185, 12-13=0/4185, 11-12=0/4082, 10-11=0/1997

WEBS 8-10=-2202/0, 2-15=-2162/0, 8-11=0/1498, 2-14=0/1494, 3-14=-271/31, 6-11=-818/0, 4-14=-1179/0, 6-12=-248/548

NOTES-

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and

referenced standard ANSI/TPI 1.

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.

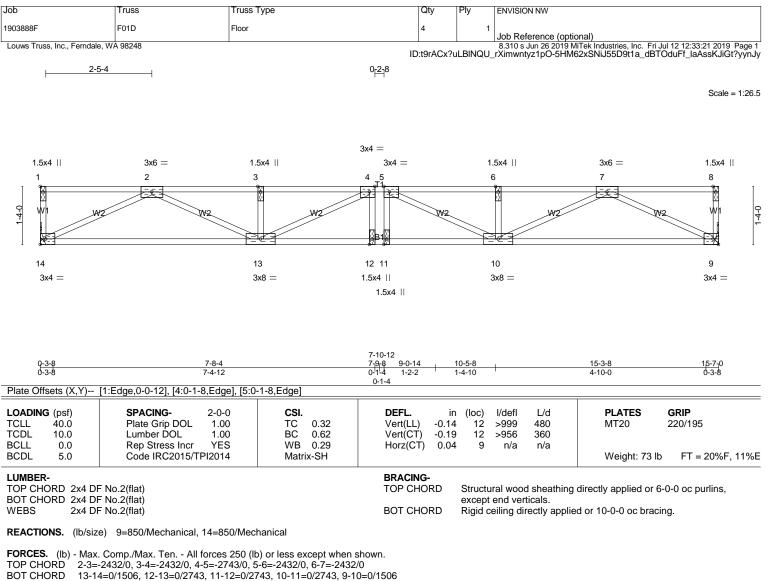
Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



19-03671



WEBS 7-9=-1673/0, 2-14=-1673/0, 7-10=0/1028, 2-13=0/1028, 6-10=-262/0, 3-13=-262/0, 5-10=-501/49, 4-13=-501/49

NOTES-

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

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

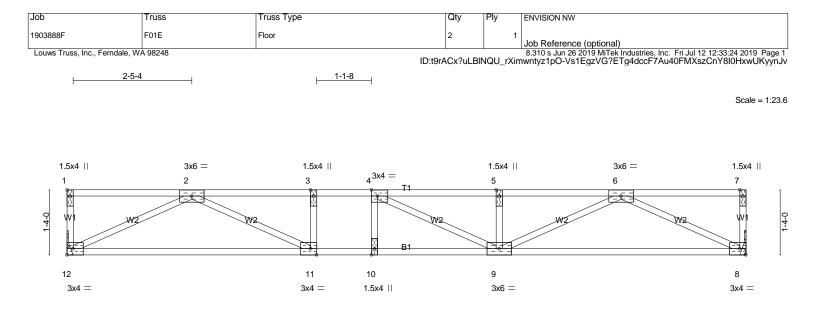
3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

LOAD CASE(S) Standard



19-03671



| Q-3-8 | 5-1-8 | 5-8-4 6-3-0 | | 13-7-12 | 13-11 ₁ -4 |
|---|---|---|------------------------------------|--|---|
| 0-3-8 | 4-10-0 | 0-6-12'0-6-12' | | 7-4-12 | 0-3-8 |
| Plate Offsets (X,Y) | [1:Edge,0-0-12], [4:0-1-8,Edge], [11: | 0-1-8,Edge] | | | |
| 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 0.51 BC 0.77 WB 0.25 Matrix-SH | - () | 9-10 >999 480 9-10 >919 360 | GRIP 220/195 FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI WEBS 2x4 DI | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing d except end verticals. Rigid ceiling directly applied | • |

REACTIONS. (lb/size) 8=760/Mechanical, 12=760/Mechanical

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

TOP CHORD 2-3=-2099/0, 3-4=-2099/0, 4-5=-2076/0, 5-6=-2076/0

BOT CHORD 11-12=0/1326, 10-11=0/2099, 9-10=0/2099, 8-9=0/1319

WEBS 6-8=-1465/0, 2-12=-1473/0, 6-9=0/840, 2-11=0/874, 5-9=-301/0, 3-11=-257/0, 4-9=-330/210

NOTES-

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

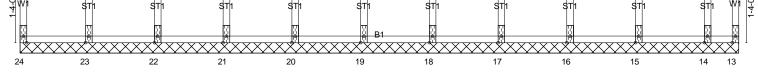
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



19-03671

| Job | Truss | Truss Type | Qty | Ply | ENVISION NW |
|---------------------------------|---------|-----------------------|----------|----------|--|
| 1903888F | F01G | Floor Supported Gable | 1 | 1 | Job Reference (optional) |
| Louws Truss, Inc., Ferndale, WA | A 98248 | ID:t9rAC | x?uLBINQ | U_rXimwr | 8.310 S Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:33:26 2019 Page 1 http://www.nyDMARKp0gqTFVLbUbQ1YDyynJt |
| | | | | | |
| | | | | | Scale = 1:22.3 |
| | | | | | |
| | | | | | |
| 1 2 | 3 | 5 6 | 7 | | 8 9 10 11 12 |
| | | | | | |
| | | | | | |



| 0-3-8 0-3-8 Plate Offsets (X,Y) | [1:Edge,0-0-12] | | 13-7-12 13-4-4 | | 13-11 ₇ 4 0-3-8 |
|---|---|---|---|---|--|
| 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 0.07 BC 0.01 WB 0.02 Matrix-R | DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0 | a - n/a 999 | PLATES GRIP MT20 220/195 Weight: 55 lb FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing except end verticals. Rigid ceiling directly applie | directly applied or 6-0-0 oc purlins, d or 10-0-0 oc bracing. |

WFBS 2x4 DF No.2(flat) OTHERS 2x4 DF No.2(flat)

REACTIONS. All bearings 13-11-4.

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

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

NOTES-

1) All plates are 1.5x4 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) 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.

LOAD CASE(S) Standard

Established Basic Permit

19-03671

| Job | Truss | Truss Type | Qty | Ply | ENVISION NW | | |
|---------------------------------|---------|-----------------------|--------------|-----------|---|--|---|
| 1903888F | F02 | Floor Supported Gable | 1 | 1 | Job Reference (optional) | | |
| Louws Truss, Inc., Ferndale, W | A 98248 | | ID:t9rACx?uL | .BINQU_r) | 8.310 s Jun 26 2019 MiTek Ir Kimwntyz1pO-spr7jgZPpm5 | ndustries, Inc. Fri Jul 12 1 5zBOUZ2gm3n4yLltsE | 12:33:29 2019 Page 1 Ss41AZeh9XyynJq |
| 0 ₁ 1 ₇ 8 | | | | | | | 0 _] 18 |
| | | | | | | | Scale: 1/2"=1' |
| | | | | | | | |
| | | | | | | | |
| 1 2 | 3 4 | 5 6 | 7 | 8 | 9 | 10 11 | 12 |
| | | | | 91 | | | |
| 25 4 ST1 | ST1 ST | 1 ST1 ST1 | ST1 | ST1 | ST1 | ST1 ST1 | |
| | | | | | | | BL1 7 |
| | | | | | | | |
| 24 23 | 22 21 | 20 19 | 18 | <u> </u> | 16 | 15 14 | 13 |
| 3x4 = | | | | | | | 3x4 = |
| | | | | | | | |

| 0-3-8 0-3-8 Plate Offsets (X,Y) | [1:Edge,0-0-12], [25:0-1-8,0-0-12], [2 | 6:0-1-8,0-0-12] | 14-3-0 13-11-8 | | <u>14-6-</u> 8 0-3-8 |
|---|---|--|---|--|--|
| 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 0.06 BC 0.01 WB 0.02 Matrix-R | DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0 | a - n/a 999 | PLATES GRIP MT20 220/195 Weight: 59 lb FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI WEBS 2x4 DI | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing of except end verticals. Rigid ceiling directly applied | directly applied or 6-0-0 oc purlins, d or 10-0-0 oc bracing. |

OTHERS 2x4 DF No.2(flat)

REACTIONS. All bearings 14-6-8.

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

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

NOTES-

1) All plates are 1.5x4 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.

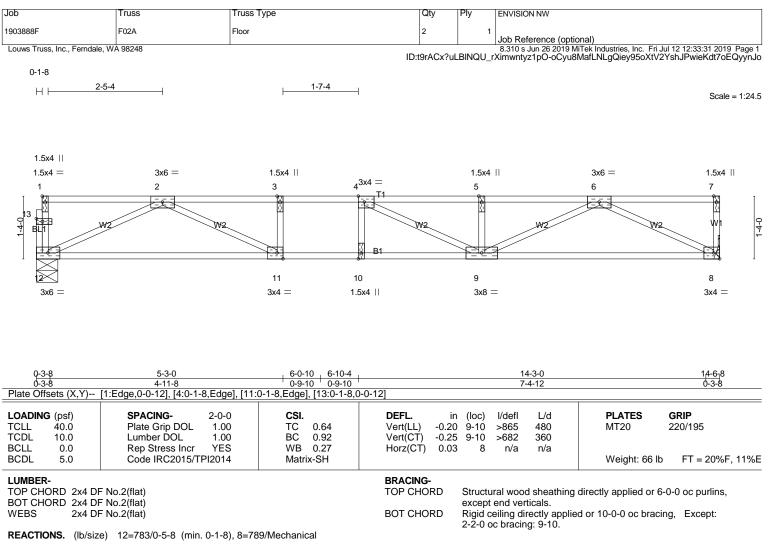
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) 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.

LOAD CASE(S) Standard

Established Basic Permit

19-03671



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

TOP CHORD 2-3=-2260/0, 3-4=-2260/0, 4-5=-2204/0, 5-6=-2204/0

BOT CHORD 11-12=0/1413, 10-11=0/2260, 9-10=0/2260, 8-9=0/1381

WEBS 6-8=-1534/0, 2-12=-1556/0, 6-9=0/914, 2-11=0/969, 5-9=-315/0, 3-11=-295/0, 4-9=-395/188

NOTES-

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

LOAD CASE(S) Standard

Established Basic Permit

19-03671

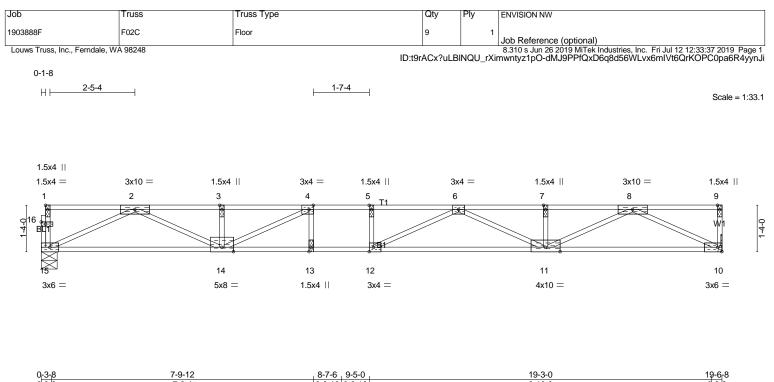
| Job | Truss | Truss Type | Qty | Ply ENVISIO | NNW | |] |
|--|--|--|--|---|---|-------------------------|-------------------------|
| 1903888F | | Floor | 1 | 1 | | | |
| Louws Truss, Inc., Ferndale | e, WA 98248 | | | 8.310 s . | erence (optional) Jun 26 2019 MiTek Ind | ustries, Inc. Fri Ju | 12 12:33:34 2019 Page 1 |
| 0-1-8 | | | ID:t9rACx?uLBI | NQU_rXimwntyz1p | oO-Dne0nOdXelkFl | 19NXrDMEU7g3 | 8muTF736mKrMSrlyynJl |
| H <u>2-4-4</u> | 1-2-10 0-0-8 1-2-10 | 2-4-4 2-5- | 4 <u>1-3-12 0</u> -₽- | 8 | | | Scale = 1:32.3 |
| 1 27 4 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 | 3x4 = 4x4 = 2 34 5 3x4 = 3x4 = | 3x6 = 6 | $3x4 = 3x$ $7 \qquad 89$ $17 \qquad 7$ $17 \qquad 16$ $3x8 = $ | ×4 = | 10 10 14 3x6 = | 3x4 = 11 | 12 W1 13 3x4 = |
| 0-3-8 3 | -11-6 -7-14 -7-14 -7-14 -7-14 -0-12 [1:Edge,0-0-12], [4:0-1-8,Edge | <u>11-9-12</u> 6-5-0 | aol [20:0.1.8 Edge] [2 | $\frac{13-1-6}{1-3-10}$ + $\frac{14-5-6}{1-3-10}$ | | <u>19-3-0</u> 4-10-0 | <u>19-6</u> -8 0-3-8 |
| | | | | 2.0-1-0,0-0-12] | | | |
| LOADING (psf) TCLL 40.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 | | | (loc) l/defl 14-15 >999 | | | GRIP 220/195 |
| TCDL 10.0 BCLL 0.0 | Lumber DOL 1.00 Rep Stress Incr YES | | Vert(CT) -0.10 Horz(CT) 0.01 | 13-14 >999 13 n/a | 360 n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | | 15 II/a | | Weight: 95 lb | FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DF BOT CHORD 2x4 DF WEBS 2x4 DF | | | BRACING- TOP CHORD BOT CHORD | except end vert | sheathing directly icals. ectly applied or 6- | | |
| (lb) - Max L | earings 5-5-8 except (jt=length Jplift All uplift 100 lb or less at Grav All reactions 250 lb or les | joint(s) except 21=-135(LC 4) | |), 13=643(LC 4) | | | |
| TOP CHORD 2-3= 8-9= 8-9= BOT CHORD 20-2 14-11 20-2 WEBS 2-21 | . Comp./Max. Ten All forces 0/633, 3-4=0/633, 4-5=0/1492, -1431/0, 9-10=-1581/0, 10-11= 1=-342/42, 19-20=-633/0, 18-1 5=0/1431, 13-14=0/1079 =-41/382, 4-18=-1187/0, 2-20= | 5-6=0/1492, 6-7=-1083/0, 7-8 -1581/0 9=-633/0, 16-17=0/1431, 15- -555/0, 4-19=0/711, 11-13=-1 | 3=-1083/0, 16=0/1431, 198/0, 6-18=-1705/0, | | | | |
| NOTES- 1) Unbalanced floor li 2) All plates are 1.5x4 3) Refer to girder(s) fr 4) Provide mechanica at joint 19. 5) This truss is design referenced standar | 4=0/558, 6-17=0/1154, 10-14= ive loads have been considere 4 MT20 unless otherwise indica or truss to truss connections. al connection (by others) of trus ned in accordance with the 201 rd ANSI/TPI 1. | d for this design. ated. ss to bearing plate capable of 5 International Residential Co | withstanding 135 lb up ode sections R502.11.1 | and R802.10.2 | and | | |

6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Established Basic Permit

19-03671



| 0-3-8 | 7-6-4 | '0-9-10'0-9-10' | 9-10-0 | 0-3-8 |
|---|---|--|--|--|
| Plate Offsets (X,Y) | [1:Edge,0-0-12], [4:0-1-8,Edge], [12: | 0-1-8,Edge], [16:0-1-8,0-0-12] | | |
| 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. DEFL. TC 0.86 Vert(LL) BC 0.67 Vert(CT) WB 0.38 Horz(CT) Matrix-SH Horz(CT) | in (loc) l/defl L/d -0.37 11-12 >627 480 -0.52 11-12 >443 360 0.07 10 n/a n/a | PLATES GRIP MT20 220/195 Weight: 88 lb FT = 20%F, 11%E |
| LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI | () | BRACING- TOP CHOF | 2D Structural wood sheathing di except end verticals. | rectly applied or 2-2-0 oc purlins, |

BOT CHORD

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

REACTIONS. (lb/size) 15=1058/0-5-8 (min. 0-1-8), 10=1064/Mechanical

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

TOP CHORD 2-3=-3319/0, 3-4=-3319/0, 4-5=-4191/0, 5-6=-4191/0, 6-7=-3318/0, 7-8=-3318/0

BOT CHORD 14-15=0/1986, 13-14=0/4191, 12-13=0/4191, 11-12=0/4070, 10-11=0/1957

WEBS 8-10=-2173/0, 2-15=-2190/0, 8-11=0/1512, 2-14=0/1481, 3-14=-272/30, 6-11=-835/0, 4-14=-1161/0, 6-12=-233/561

NOTES-

WEBS

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

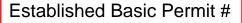
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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

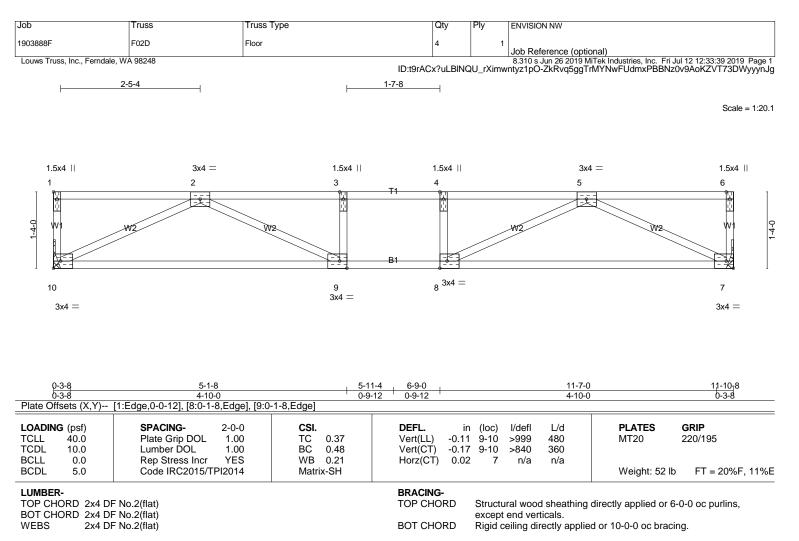
5) CAUTION, Do not erect truss backwards.

2x4 DF No.2(flat)

LOAD CASE(S) Standard



19-03671



REACTIONS. (lb/size) 7=646/Mechanical, 10=646/Mechanical

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

TOP CHORD 2-3=-1574/0, 3-4=-1574/0, 4-5=-1574/0

BOT CHORD 9-10=0/1088, 8-9=0/1574, 7-8=0/1088

WEBS 5-7=-1208/0, 2-10=-1208/0, 5-8=0/618, 2-9=0/618

NOTES-

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

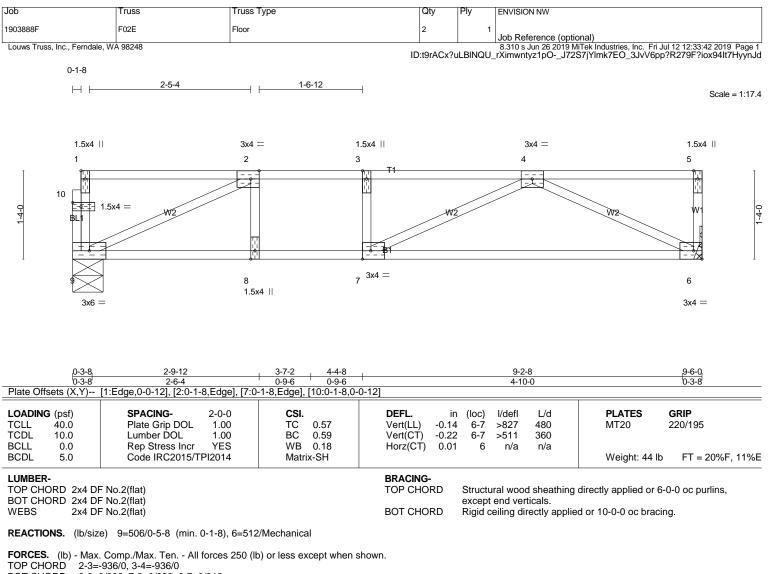
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



19-03671

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



BOT CHORD 8-9=0/936, 7-8=0/936, 6-7=0/812 4-6=-902/0, 2-9=-1025/0, 4-7=0/274

WEBS

NOTES-

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

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

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

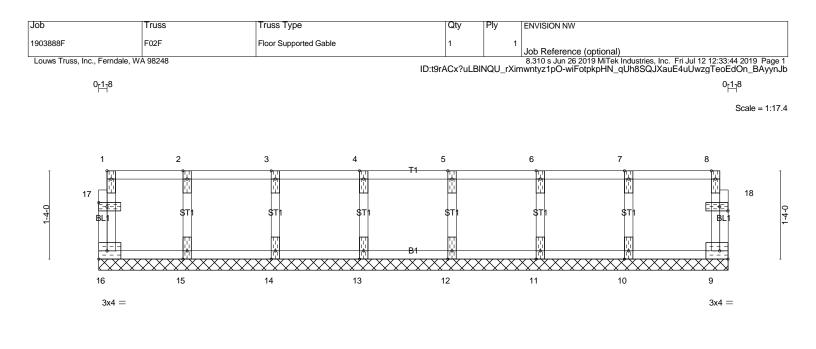
Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Established Basic Permit #

19-03671



| 0-3-8 0-3-8 | | | <u>9-2-8</u> 8-11-0 | | | <u>9-6-0</u> 0-3-8 |
|---|---|--|--|---|--|---|
| | [1:Edge,0-0-12], [17:0-1-8,0-0-12], [1 | 8:0-1-8,0-0-12] | 0110 | | | |
| 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 0.07 BC 0.01 WB 0.02 Matrix-R | DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00 | n - n/a 999 n - n/a 999 | PLATES MT20 Weight: 40 lb | GRIP 220/195 FT = 20%F, 11%E |
| | | | BRACING- TOP CHORD BOT CHORD | Structural wood sheathing except end verticals. Rigid ceiling directly applie | | • |

REACTIONS. All bearings 9-6-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

NOTES-

1) All plates are 1.5x4 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.

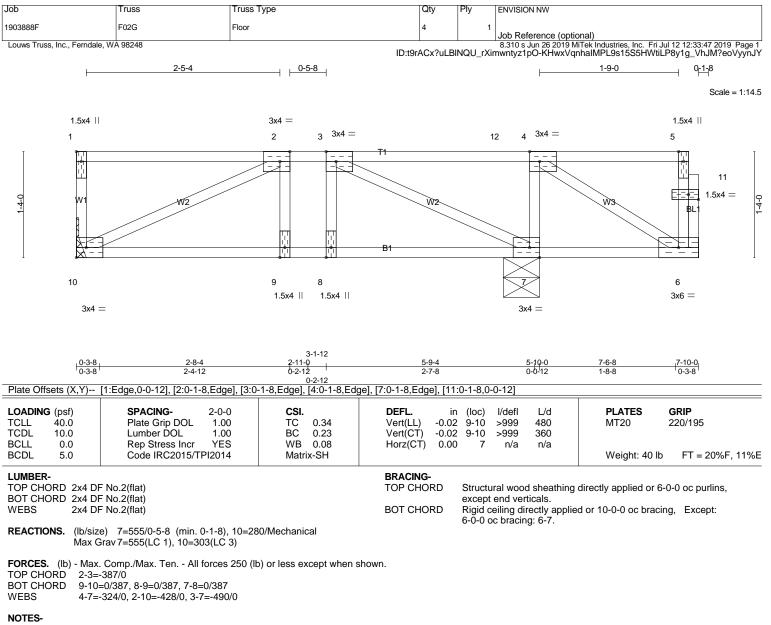
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) 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.

LOAD CASE(S) Standard

Established Basic Permit

19-03671



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

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

 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

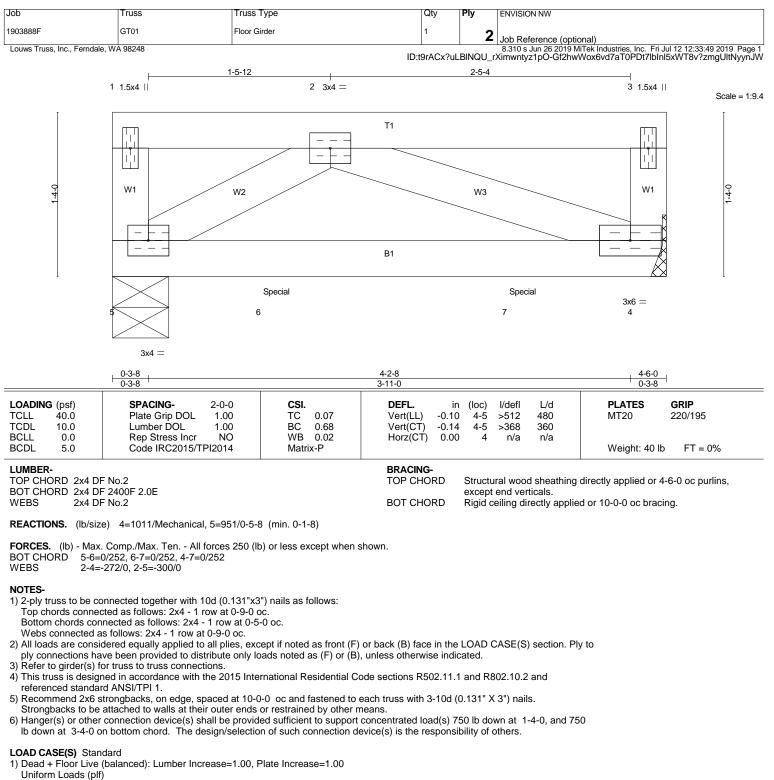
Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards.

.

LOAD CASE(S) Standard

Established Basic Permit

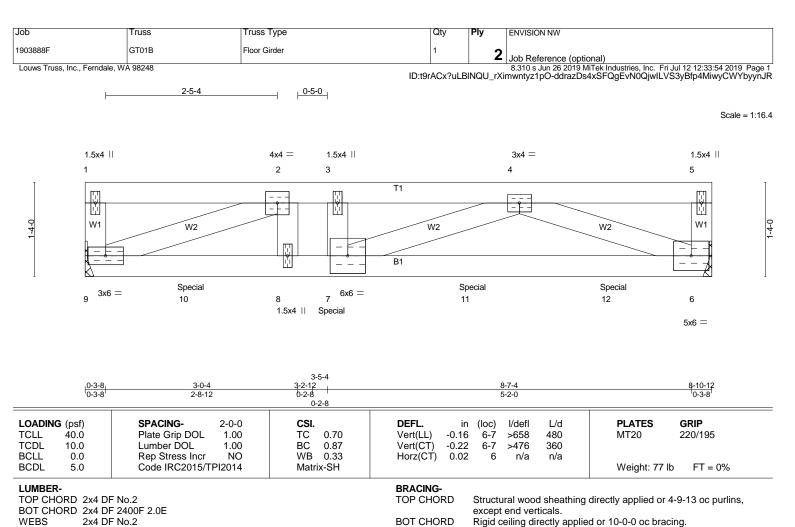
19-03671



Uniform Loads (plf) Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb) Vert: 6=-750(F) 7=-750(F)

Established Basic Permit #

19-03671



REACTIONS. (lb/size) 6=2182/Mechanical, 9=2125/Mechanical

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

TOP CHORD 2-3=-4771/0, 3-4=-4771/0, 4-5=-580/0

BOT CHORD 9-10=0/4771, 8-10=0/4771, 7-8=0/4771, 7-11=0/3301, 11-12=0/3301, 6-12=0/3301

WEBS 4-6=-2934/0, 2-9=-4924/0, 4-7=0/1720, 2-8=0/486, 3-7=0/1197

NOTES-

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x4 - 1 row at 0-4-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to

ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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

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

5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) 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.

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 840 lb down at 1-6-0, 840 lb down at 3-6-0, and 840 lb down at 5-6-0, and 840 lb down at 7-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 6-9=-10, 1-5=-100

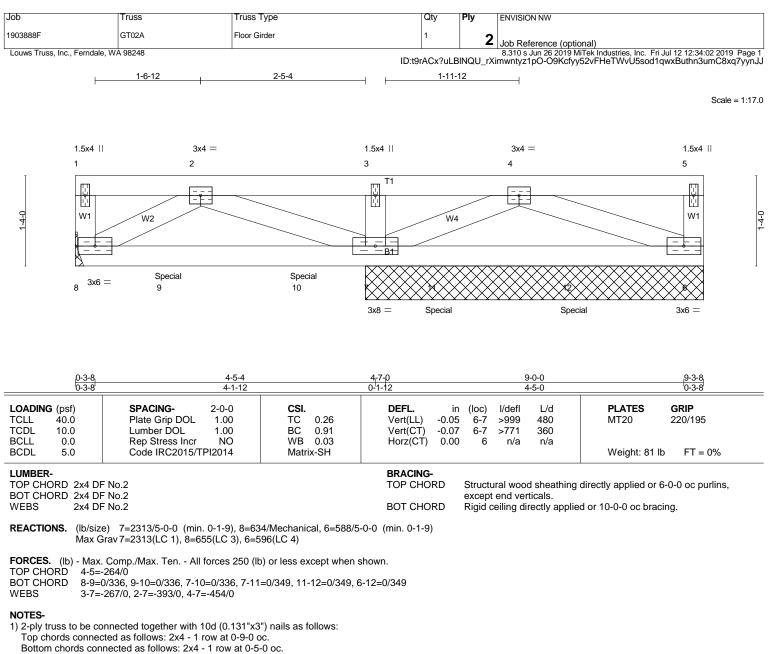
Concentrated Loads (lb)

Vert: 7=-840(B) 10=-840(B) 11=-840(B) 12=-840(B)

Established Basic Permit

19-03671

^{1) 2-}ply truss to be connected together with 10d (0.131"x3") nails as follows:



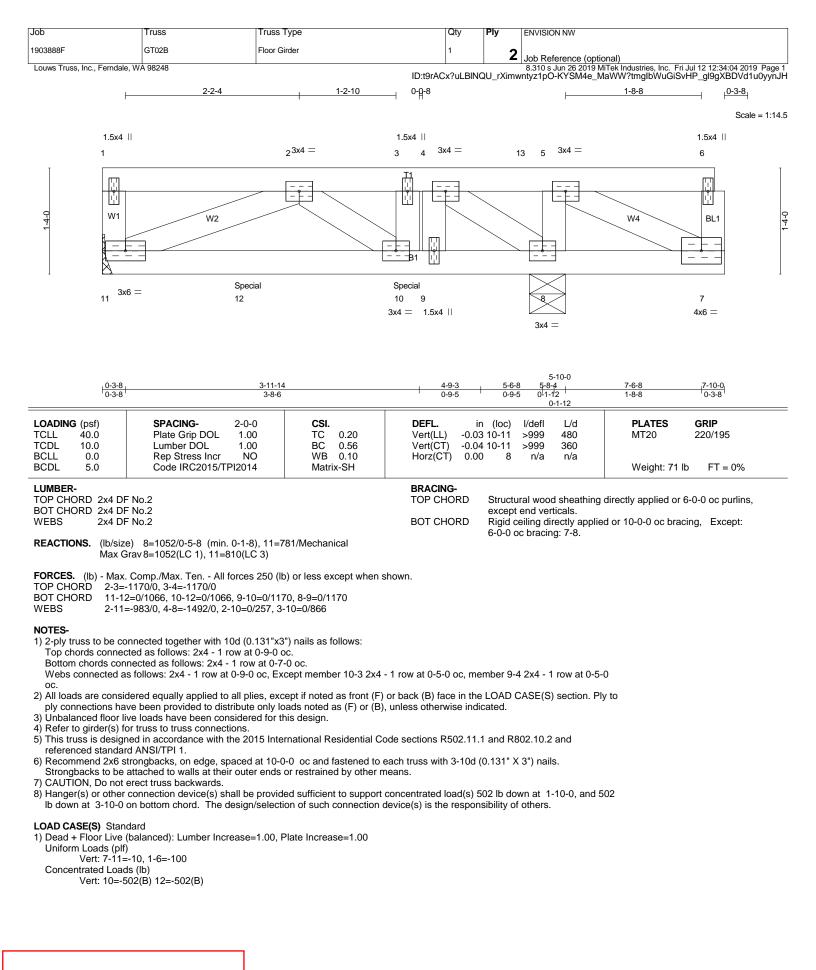
- Webs connected as follows: 2x4 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) 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.
- 7) CAUTION, Do not erect truss backwards.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 636 lb down at 1-4-8, 636 lb down at 3-4-8, and 636 lb down at 5-4-8, and 636 lb down at 7-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 6-8=-10, 1-5=-100 Concentrated Loads (lb)
 - Vert: 9=-636(F) 10=-636(F) 11=-636(F) 12=-636(F)

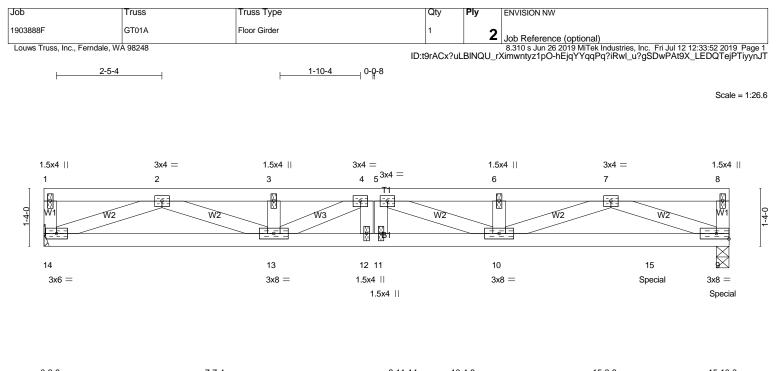
Established Basic Permit #

19-03671



Established Basic Permit #

19-03671



| 0-3-8 0-3-8 | 7-7-4 7-3-12 | | 8-11-14 | 10-4-8 1-4-10 | | 15-6-8 5-2-0 | <u>15-10</u> -0 0-3-8 |
|---|--|--|--|--|--|--------------------------------------|--|
| 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 0.42 BC 0.75 WB 0.18 Matrix-SH | DEFL. Vert(LL) Vert(CT) Horz(CT) | in (loc) -0.13 9-10 -0.18 9-10 0.03 9 | >999 360 | PLATES MT20 Weight: 138 | GRIP 220/195 i lb FT = 0% |
| LUMBER- TOP CHORD 2x4 DI BOT CHORD 2x4 DI | | | BRACING TOP CHC | RD Struct | ural wood sheathing of the state of the stat | directly applied or | 6-0-0 oc purlins, |

BOT CHORD

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

WEBS 2x4 DF No.2

REACTIONS. (lb/size) 9=3928/0-3-8 (min. 0-2-2), 14=959/Mechanical

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

2-3=-3284/0, 3-4=-3284/0, 4-5=-3824/0, 5-6=-4127/0, 6-7=-4127/0, 7-8=-440/0 TOP CHORD

BOT CHORD $13-14=0/2016,\ 12-13=0/3824,\ 11-12=0/3824,\ 10-11=0/3824,\ 10-15=0/2604,\ 9-15=0/2604$

WEBS 7-9=-2333/0, 2-14=-2089/0, 7-10=0/1642, 2-13=0/1367, 5-10=0/739, 4-13=-752/0, 4-12=0/402, 5-11=-561/0

NOTES

1) Special connection required to distribute bottom chord loads equally between all plies.

2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x4 - 1 row at 0-4-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 4) Unbalanced floor live loads have been considered for this design.
- 5) Refer to girder(s) for truss to truss connections.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

7) 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.

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1001 lb down at 14-0-12, and 2177 lb down at 15-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 9-14=-10, 1-8=-100 Concentrated Loads (lb)

Vert: 9=-2177(F) 15=-1001(B)

Established Basic Permit

19-03671

| Job | Truss | Truss Type | 9 | Qty | Ply | ENVISION NW | | |
|-------------------------------------|--|--|--|------------------|-------------------|--|----------------------------|--|
| 1903888F | GT01C | Floor Girder | | 1 | 2 | | ional) | |
| Louws Truss, Inc., Fer | mdale, WA 98248 | I | I | D:t9rACx?uLBIN | | 8.310 s Jun 26 2019 l | AiTek Industries, Inc. Fri | Jul 12 12:33:57 2019 Page 1 SACQ0Pv9cwQA9wyynJO |
| | 2-5-4 | | Q-5-4 | | | | <u>⊢</u> 2 | 2-8-12 0-3-8 |
| | | | | | | | | Scale = 1:32.6 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 1.5x4 Ⅱ 1 | 3x6 = 2 | 1.5x4 3 | 3x4 = 1.5x4 4 5 | 5x6 = 6 | | 1.5x4 7 | 3x10 = 8 | 2x4 9 |
| | | —————————————————————————————————————— | | | | | т <u>2</u> | |
| 1-4-0 | | | | | $\langle \rangle$ | | | W3 BL -+- |
| | B1 | | | | B2 | | | |
| 15 | | 14 | 13 12 | | | 11 | 16 | |
| 4x6 = | | 8x12 = | 2x4 3x4 = | | | 4x12 = | Special | 5x8 = |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | 8-7-8 | | | | | |
| 0 <u>-3-8</u> 0-3-8 | | -2-4 10-12 | <u>8-4-14</u> 0-2-10 0-2-10 | | | <u>19-3-0</u> 10-7-8 | | <u>19-6-</u> 8 0-3-8 |
| Plate Offsets (X,Y | () [6:0-3-0,0-3-0], [14 | 0-5-8,0-4-8] | 0-2-10 | | | | T | |
| LOADING (psf) | SPACING- | 2-0-0 | | | (loc) | l/defl L/d | PLATES | GRIP |
| TCLL 40.0 TCDL 10.0 | Plate Grip D Lumber DOL | 1.00 | BC 0.86 V | /ert(CT) -0.46 | 11-12 11-12 | >688 480 >503 360 | MT20 | 220/195 |
| BCLL 0.0 BCDL 5.0 | Rep Stress II Code IRC20 | | WB 0.47 H Matrix-SH | lorz(CT) 0.05 | 5 10 | n/a n/a | Weight: 194 | lb FT = 0% |
| WEBS 2x4 | 6 DF No.2 *Except* 1: 2x6 DF 2400F 2.0E 4 DF No.2 0/size) 10=2769/0-5-8 | (min 0-1-8) 15-144 | | OT CHORD | | end verticals. eiling directly applie | ed or 10-0-0 oc brac | ing. |
| , | , | | | | | | | |
| TOP CHORD 2 | 2-3=-5891/0, 3-4=-5891/ | | r less except when shown. -8052/0, 6-7=-10151/0, 7-8 | =-10151/0, | | | | |
| BOT CHORD 1 | | | , 11-12=0/9657, 11-16=0/61 | | 142 | | | |
| | 3-10=-5727/0, 2-15=-34 5-12=-2097/0, 4-13=0/6 | | -14=0/2666, 6-11=0/919, 4- | 14=-2372/0, | | | | |
| NOTES- | | | | | | | | |
| | e connected together w nnected as follows: 2x4 | | ails as follows: | | | | | |
| | connected as follows: 2 ed as follows: 2x4 - 1 ro | | ed at 0-4-0 oc. | | | | | |
| 2) All loads are co | onsidered equally applie | ed to all plies, except | if noted as front (F) or back s noted as (F) or (B), unless | (B) face in the | LOAD (| CASE(S) section. P | ly to | |
| 3) Unbalanced flo | oor live loads have beer | considered for this | | | Juliu. | | | |
| 5) This truss is de | | | tional Residential Code sec | tions R502.11. | 1 and R8 | 802.10.2 and | | |
| 6) Recommend 2 | | | oc and fastened to each tru | iss with 3-10d (| 0.131" X | 3") nails. | | |
| | be attached to walls a not erect truss backwar | | estrained by other means. | | | | | |
| | | | sufficient to support concent vice(s) is the responsibility (| | 115 lb d | own at 15-8-8 on | | |
| LOAD CASE(S) (1) Dead + Floor L | Standard Live (balanced): Lumber | | | | | | | |
| | 0-15=-10, 1-9=-100 | | | | | | | |
| Concentrated L Vert: 1 | Loads (lb) 6=-2115(B) | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| tablished | Basic Perm | it# | | | | | | |
| | | | | | | | | |

19-03671

| Job | Truss | Truss Type | Qty | Ply ENVISION NW | | |
|--|--|--|----------------------------------|--|-------------------------------------|------------------------------|
| 1903888F Louws Truss, Inc., Ferndale, WA | GT02 | Floor Girder | 1 | 2 Job Reference (option | onal) iTek Industries, Inc., Fri | lul 12 12:33:59 2019, Page 1 |
| 0-3-8 | 30240 | | ID:t9rACx?uLE | 8.310 s Jun 26 2019 M BINQU_rXimwntyz1pObfT0xw | /DI_tin?nKozI5?PCO |)zyZUMAS4EvGDoyynJM |
| ⊢ <u>2-5-4</u> | | Q-5-4 | | | | Scale = 1:32.5 |
| | | | | | | Scale = 1.52.5 |
| | | | | | | |
| 3x4 = | | | | | | |
| 1.5x4 1 | 3x6 = 1.5 2 3 | x4 	 3x4 = 1.5x4 	 4 	 5 | 4 3x4 = 6 | 1.5x4 7 | 3x6 = 8 | 1.5x4 9 |
| | | | | | | |
| | | | BI | | | <u>−4-</u> |
| | 14 | | | 11 | | <u>/</u> 1 10 |
| 4x12 = | | 4 16 13 12 8 = Special 1.5x4 3x | 4 = | 3x10 = | | 3x6 = |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 0-3-8 0-3-8 | <u>8-5-12</u> 8-2-4 | 8-11-0 <u>8₇8₁6</u> 0-2-10 | | <u>19-3-0</u> | | <u>19-6</u> 78 0-3-8 |
| Plate Offsets (X,Y) [1:0 | - | 0-2-10 | | 10-4-0 | | 0-3-8 |
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in | (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 TCDL 10.0 | Plate Grip DOL 1.00 Lumber DOL 1.00 | D BC 0.63 | Vert(LL) -0.27 Vert(CT) -0.37 | 13 >627 360 | MT20 | 220/195 |
| BCLL 0.0 BCDL 5.0 | Rep Stress Incr NC Code IRC2015/TPI2014 | | Horz(CT) 0.05 | 10 n/a n/a | Weight: 168 | lb FT = 0% |
| LUMBER- TOP CHORD 2x4 DF No | . 0 | | BRACING- TOP CHORD | Structural wood shoothing | directly applied or y | |
| BOT CHORD 2x4 DF No BOT CHORD 2x4 DF 24 WEBS 2x4 DF No | 00F 2.0E | | BOT CHORD | Structural wood sheathing except end verticals. Rigid ceiling directly applie | | • |
| | ,. <u>~</u> 15=1451/0-5-8 (min. 0-1- | 8) 10=1295/Mechanical | | | | ing. |
| | x | 250 (lb) or less except when | shown. | | | |
| TOP CHORD 2-3=-585 | 5/0, 3-4=-5855/0, 4-5=-71 | 64/0, 5-6=-7164/0, 6-7=-4910 6=0/7164, 12-13=0/7164, 11- | /0, 7-8=-4910/0 | 328 | | |
| | 943/0, 2-15=-3478/0, 8-11= 558, 5-12=-379/0 | =0/2245, 2-14=0/2676, 3-14=- | 328/0, 6-11=-1552/0, 4 | -14=-1546/0, 6-12=0/1297, | | |
| NOTES- | | | | | | |
| Top chords connected | ected together with 10d (0. as follows: 2x4 - 1 row at | 0-7-0 oc. | | | | |
| Webs connected as fol | ted as follows: 2x4 - 1 row llows: 2x4 - 1 row at 0-9-0 | OC. | | | | |
| ply connections have b | een provided to distribute | es, except if noted as front (F) only loads noted as (F) or (B) | | | y to | |
| 4) Refer to girder(s) for tr | | a for this design. 15 International Residential C | ada agationa PEO2 11 1 | and P902 10 2 and | | |
| referenced standard Al | NSI/TPI 1. | at 10-0-0 oc and fastened to | | | | |
| | ched to walls at their oute | r ends or restrained by other r | | 0.131 × 3) Italis. | | |
| 8) Hanger(s) or other con | nection device(s) shall be | provided sufficient to support device(s) is the responsibility | | 45 lb down at 7-6-8 on botto | om | |
| LOAD CASE(S) Standard | | | | | | |
| 1) Dead + Floor Live (bala Uniform Loads (plf) | anced): Lumber Increase= | 1.00, Plate Increase=1.00 | | | | |
| Vert: 10-15=-10 Concentrated Loads (It | b) | | | | | |
| Vert: 16=-645(I | В) | | | | | |
| | | | | | | |

Established Basic Permit #

19-03671

| Job | Truss | Truss Type | 9 | | Qty | Ply | ENVISION NW | | |
|---|---|--|--|--|-----------|--------------------|---------------------|--|---|
| 1903888F | GT02C | Floor Girder | | | 1 | 2 | Job Reference (or | ntional) | |
| Louws Truss, Inc., Ferr | ndale, WA 98248 | | | ID: | 9rACx?u | | 8.310 s Jun 26 2019 | MiTek Industries, Inc. Fri /ig0EtRuakEOtGfSzK5X | Jul 12 12:34:07 2019 Page (kACh?M_JdvTriVKyynJ |
| 0-3-8 | | | | | | | | | |
| | 2-5-4 1-4-8 | | | | | F | 1-2-8 | | Scale = 1:32 |
| | | | | | | | | | |
| | | | | | | | | | |
| 3x4 = | | | | | | | | | |
| 1.5x4 ∣∣ | $_{3x4} =$ | 3x4 = | 1.5x4 | 3x6 = | | 1.5x4 | | 3x4 = | 1.5x4 |
| 1 | | 3 | 4 | 5 T1 | | 6 | 7 | 8 | 9 |
| | W2 | W2 | W. | | W2 | | | W2 | ₩2₩1 |
| | | | | - B1 | | | | | |
| | 15 | 4 | R S | 17 | 18 | 12 | 19 11 | 20 21 | 10 |
| 4x12 = | | 5x4 | 3x8 = | Special | Special | | | Special Speci | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 0-3-8 | 3-3-12 4-0-0 4-8-4 | 7-6-12 | | 12-10-8 | | 13. | 14-1-0 5-12 | 19-3-0 | 19-6 ₁ 8 |
| 0-3-8 | <u>3-0-4</u> () [1:0-2-0,0-1-0] | 2-10-8 | | 5-3-12 | | | 7-4 0-7-4 | 5-2-0 | 0-3-8 |
| x - ¹ | | 2.0.0 | CSI. | DEFL. | | (100) | l/defl L/d | DIATES | GRIP |
| LOADING (psf) TCLL 40.0 | SPACING- Plate Grip DOL | 2-0-0 1.00 | TC 0.42 | Vert(LL) | -0.11 | n (loc) I 12-13 | >999 480 | PLATES MT20 | 220/195 |
| TCDL 10.0 BCLL 0.0 | Lumber DOL Rep Stress Incr | 1.00 NO | BC 0.59 WB 0.28 | Vert(CT Horz(C1 | , | 12-13 1 10 | >991 360 n/a n/a | | |
| BCDL 5.0 | Code IRC2015/ | FPI2014 | Matrix-SH | | | | | Weight: 163 | lb FT = 0% |
| LUMBER- TOP CHORD 2x4 | | | | BRACIN TOP CH | - | Structu | ral wood choothin | ig directly applied or 6 | |
| BOT CHORD 2x4 | 4 DF 2400F 2.0E | | | | | except | end verticals. | | |
| WEBS 2x4 | 4 DF No.2 | | | BOT CH | ORD | Rigid c | eiling directly app | lied or 6-0-0 oc bracin | g. |
| | /size) 16=76/0-5-8 (min. ax Uplift16=-197(LC 4) | 0-1-8), 13=2704/ | 0-3-8 (min. 0-1-8 |), 10=1294/Mech | anical | | | | |
| | ax Grav 16=153(LC 3), 13= | =2704(LC 1), 10=1 | 1304(LC 4) | | | | | | |
| | /lax. Comp./Max. Ten Al | | | | | | | | |
| | -3=0/939, 3-4=0/1643, 4-5 5-16=-939/0, 14-15=-939/ | | | | 8=0/152 | 26, | | | |
| | 12-19=0/3869, 11-19=0/38 -13=-265/0, 2-16=0/1062, | | | | /1678, | | | | |
| | -12=0/2576 | , | , | , | , | | | | |
| NOTES- | | 40-1 (0.404" | alla aa fallawa | | | | | | |
| Top chords cor | e connected together with nnected as follows: 2x4 - 1 | row at 0-9-0 oc. | | | | | | | |
| | connected as follows: 2x4 ed as follows: 2x4 - 1 row a | |)C. | | | | | | |
| All loads are constraints | onsidered equally applied t s have been provided to di | o all plies, except stribute only loads | if noted as front (s noted as (F) or (| F) or back (B) fac B) unless otherv | ce in the | LOAD C | ASE(S) section. | Ply to | |
| 3) Unbalanced flo | or live loads have been co s) for truss to truss conne | onsidered for this of | | | | | | | |
| 5) Provide mecha | nical connection (by other | s) of truss to bear | | | | | | | |
| referenced star | signed in accordance with ndard ANSI/TPI 1. | | | | | | | | |
| | x6 strongbacks, on edge, s be attached to walls at the | | | | 3-10d (| 0.131" X | 3") nails. | | |
| 8) CAUTION, Do | not erect truss backwards. her connection device(s) s | | | | ad(e) 8 | 00 lb dov | vn at 9.7.8 293 | b | |
| down at 11-7-1 | 12, 293 lb down at 13-7-1 | 2, and 293 lb dow | n at 15-7-12, and | | | | | | |
| 0 | n of such connection devi | ce(s) is the respor | isibility of others. | | | | | | |
| LOAD CASE(S) S 1) Dead + Floor L | Standard ive (balanced): Lumber In | crease=1.00, Plat | e Increase=1.00 | | | | | | |
| Uniform Loads | | , | | | | | | | |
| von. n | | | | | | | | | |
| | | | | | | | | | |
| Continued on page | | | | | | | | | |
| stablished | Basic Permit | # | | | | | | | |
| 100 | 10074 | | | | | | | | |
| 19-0 |)3671 | | _ | | | | | | |
| | | | Permit Nu | mber: 20- | 04899 | 9 | | | |

| ſ | Job | Truss | Truss Type | Qty | Ply | ENVISION NW |
|---|---------------------------------|---------|--------------|-----------|---------|--|
| | 1903888F | GT02C | Floor Girder | 1 | 2 | Job Reference (optional) |
| L | Louws Truss, Inc., Ferndale, WA | A 98248 | ID: | t9rACx?ul | LBINQU_ | 8.310 s Jun 26 2019 MiTek Industries, Inc. Fri Jul 12 12:34:07 2019 Page 2 rXimwntyz1pO-I77Vig0EtRuakE0tGfSzK5XkACh?M_JdvTriVKyynJE |

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 17=-800(B) 18=-293(B) 19=-293(B) 20=-293(B) 21=-293(B)

Established Basic Permit #

19-03671