





|                |              |                    |           |          |                                                                |
|----------------|--------------|--------------------|-----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>CJ1 | Truss Type<br>JACK | Qty<br>10 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863001<br>Job Reference (optional) |
|----------------|--------------|--------------------|-----------|----------|----------------------------------------------------------------|

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Scale = 1:10.0

|                                                                        |                                                                                                                     |                                                         |                                                                                                                        |                                                           |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>LOADING</b> (psf)<br>TCLL 20.0<br>TCDL 7.0<br>BCLL 10.0<br>BCDL 5.0 | <b>SPACING</b> 2-0-0<br>Plates Increase 1.25<br>Lumber Increase 1.25<br>Rep Stress Incr YES<br>Code FBC2004/TPI2002 | <b>CSI</b><br>TC 0.27<br>BC 0.01<br>WB 0.00<br>(Matrix) | <b>DEFL</b><br>in (loc) l/def L/d<br>Vert(LL) -0.00 2 >999 360<br>Vert(TL) -0.00 2 >999 240<br>Horz(TL) 0.00 3 n/a n/a | <b>PLATES</b> <b>GRIP</b><br>MT20 244/190<br>Weight: 7 lb |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=90/Mechanical  
 Max Horz 2=101(load case 6)  
 Max Uplift 2=283(load case 6), 3=90(load case 1)  
 Max Grav 2=256(load case 1), 4=14(load case 2), 3=136(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/53, 2-3=77/86  
 BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
 2 = 0.16

**NOTES** (5)  
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 2 and 90 lb uplift at joint 3.  
 5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                                           |                      |                           |                                                                            |                 |                                                                       |
|-------------------------------------------|----------------------|---------------------------|----------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------|
| Job<br><b>L288863</b>                     | Truss<br><b>CJ1A</b> | Truss Type<br><b>JACK</b> | Qty<br><b>4</b>                                                            | Ply<br><b>1</b> | GIEBEIG - TOLAR RES.<br><b>L288863002</b><br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |                      |                           | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:06 2008 Page 1 |                 |                                                                       |

Scale = 1:10.0

|                      |                      |            |                           |               |             |
|----------------------|----------------------|------------|---------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b>               | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.27    | in (loc) l/defl L/d       | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.01    | Vert(LL) -0.00 2 >999 360 |               |             |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.00    | Vert(TL) -0.00 2 >999 240 |               |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   | Horz(TL) 0.00 3 n/a n/a   |               |             |
| Weight: 7 lb         |                      |            |                           |               |             |

|                                                                       |                                                                                                                                                               |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER</b><br>TOP CHORD 2 X 4 SYP No.2<br>BOT CHORD 2 X 4 SYP No.2 | <b>BRACING</b><br>TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.<br>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

**REACTIONS** (lb/size) 4=5/Mechanical, 2=256/0-3-8, 3=90/Mechanical  
 Max Horz 2=101(load case 6)  
 Max Uplift 2=283(load case 6), 3=90(load case 1)  
 Max Grav 4=14(load case 2), 2=256(load case 1), 3=136(load case 6)

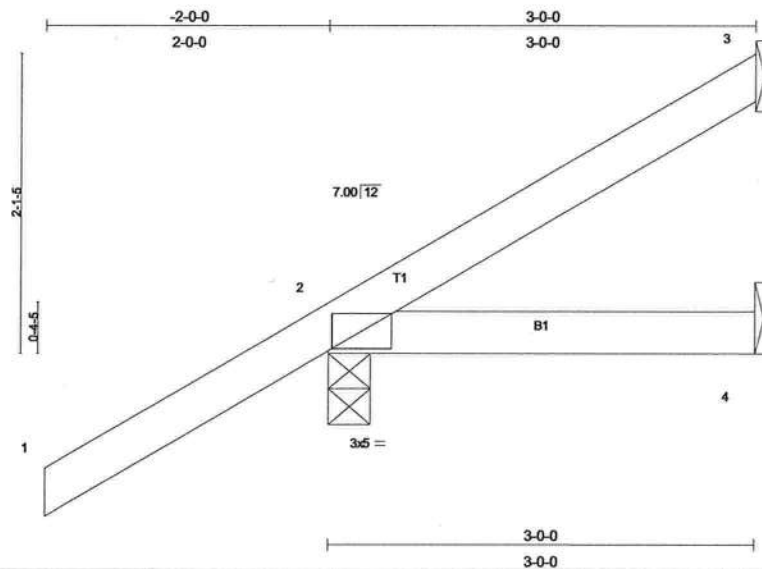
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/53, 2-3=-77/86  
 BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
 2 = 0.16

**NOTES** (5)  
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 2 and 90 lb uplift at joint 3.  
 5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                                           |              |                    |                                                                            |          |                                                                |
|-------------------------------------------|--------------|--------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>CJ3 | Truss Type<br>JACK | Qty<br>10                                                                  | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863003<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                    | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:07 2008 Page 1 |          |                                                                |



| LOADING (psf) | SPACING              | CSI      | DEFL                        | PLATES        | GRIP    |
|---------------|----------------------|----------|-----------------------------|---------------|---------|
| TCLL 20.0     | 2'-0"                | TC 0.28  | in (loc) l/defl L/d         | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.06  | Vert(LL) -0.00 2-4 >999 360 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Vert(TL) -0.01 2-4 >999 240 |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) -0.00 3 n/a n/a    |               |         |
|               | Code FBC2004/TPI2002 |          |                             | Weight: 13 lb |         |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

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

**REACTIONS** (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical  
Max Horz 2=154(load case 6)  
Max Uplift 3=31(load case 7), 2=200(load case 6)  
Max Grav 3=31(load case 4), 2=250(load case 1), 4=42(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=64/15  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
2 = 0.14

**NOTES** (5)  
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3 and 200 lb uplift at joint 2.  
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                |               |                    |          |          |                                                                |
|----------------|---------------|--------------------|----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>CJ3A | Truss Type<br>JACK | Qty<br>4 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863004<br>Job Reference (optional) |
|----------------|---------------|--------------------|----------|----------|----------------------------------------------------------------|

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Scale = 1:15.6

|               |                      |       |          |          |       |       |        |     |               |         |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|---------------|---------|
| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.28  | Vert(LL) | 0.01  | 2-4   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.08  | Vert(TL) | -0.01 | 2-4   | >999   | 240 |               |         |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.00  | Horz(TL) | -0.00 | 3     | n/a    | n/a |               |         |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |       |       |        |     | Weight: 13 lb |         |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

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

**REACTIONS** (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical  
Max Horz 2=154(load case 6)  
Max Uplift 3=31(load case 7), 2=235(load case 6), 4=33(load case 4)  
Max Grav 3=31(load case 4), 2=250(load case 1), 4=42(load case 2)

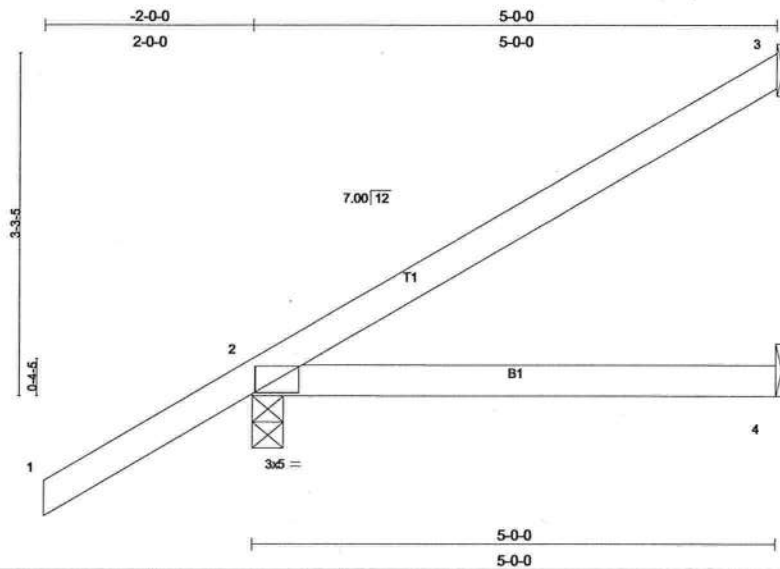
**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=64/15  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
2 = 0.14

**NOTES** (5)  
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3, 235 lb uplift at joint 2 and 33 lb uplift at joint 4.  
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                                           |              |                    |                                                                            |          |                                                                |
|-------------------------------------------|--------------|--------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>CJ5 | Truss Type<br>JACK | Qty<br>6                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863005<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                    | 6.300 s Apr 19 2006 MITek Industries, Inc. Mon Sep 15 10:32:08 2008 Page 1 |          |                                                                |



| LOADING (psf) | SPACING              | CSI      | DEFL                        | PLATES        | GRIP    |
|---------------|----------------------|----------|-----------------------------|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.28  | in (loc) l/defl L/d         | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.16  | Vert(LL) -0.03 2-4 >999 360 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Vert(TL) -0.05 2-4 >999 240 |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) -0.00 3 n/a n/a    |               |         |
|               | Code FBC2004/TPI2002 |          |                             | Weight: 20 lb |         |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

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

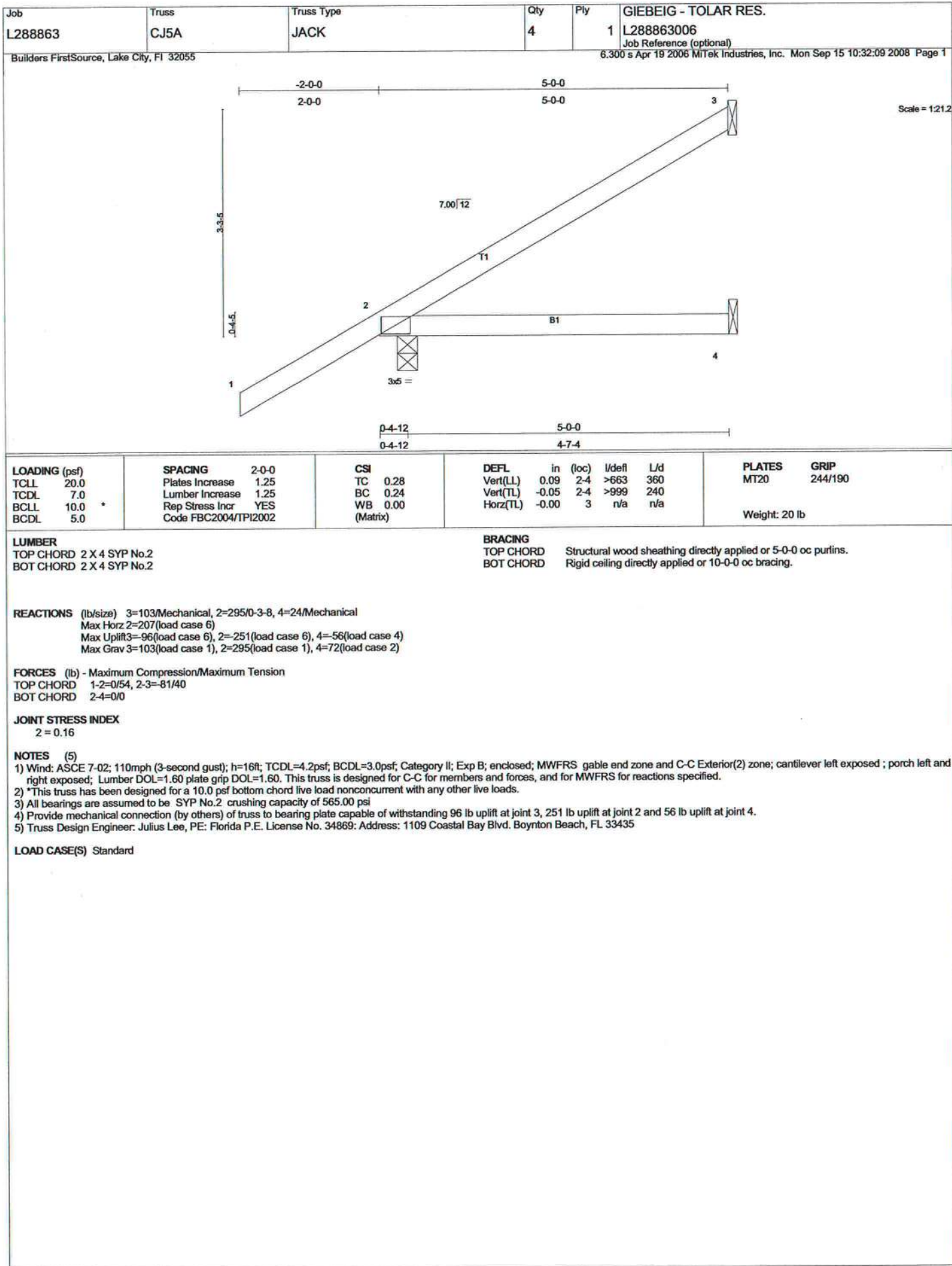
**REACTIONS** (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical  
Max Horz 2=207(load case 6)  
Max Uplift 3=96(load case 6), 2=191(load case 6)  
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=81/40  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
2 = 0.16

**NOTES** (5)  
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip  
DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 3 and 191 lb uplift at joint 2.  
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard



|                |              |                        |          |          |                                                                                                                                              |
|----------------|--------------|------------------------|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Job<br>L288863 | Truss<br>EJ4 | Truss Type<br>MONO HIP | Qty<br>1 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863007<br>Job Reference (optional)<br>6.300 g Apr 19 2006 Mitek Industries, Inc. Mon Sep 15 10:32:11 2008 Page 1 |
|----------------|--------------|------------------------|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|

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Scale: 3/4"=1'

|                                                                        |                                                                                                                    |                                                         |                                                                                                                        |                                                     |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>LOADING</b> (psf)<br>TCCL 20.0<br>TCCL 7.0<br>BCCL 10.0<br>BCDL 5.0 | <b>SPACING</b> 2-0-0<br>Plates Increase 1.25<br>Lumber Increase 1.25<br>Rep Stress Incr NO<br>Code FBC2004/TPI2002 | <b>CSI</b><br>TC 0.26<br>BC 0.22<br>WB 0.37<br>(Matrix) | <b>DEFL</b> in (loc) l/defl L/d<br>Vert(LL) -0.01 5 >999 360<br>Vert(TL) -0.02 4-5 >999 240<br>Horz(TL) 0.00 4 n/a n/a | <b>PLATES</b> GRIP<br>MT20 244/190<br>Weight: 31 lb |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 6 SYP No.1D  
 WEBS 2 X 4 SYP No.3

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

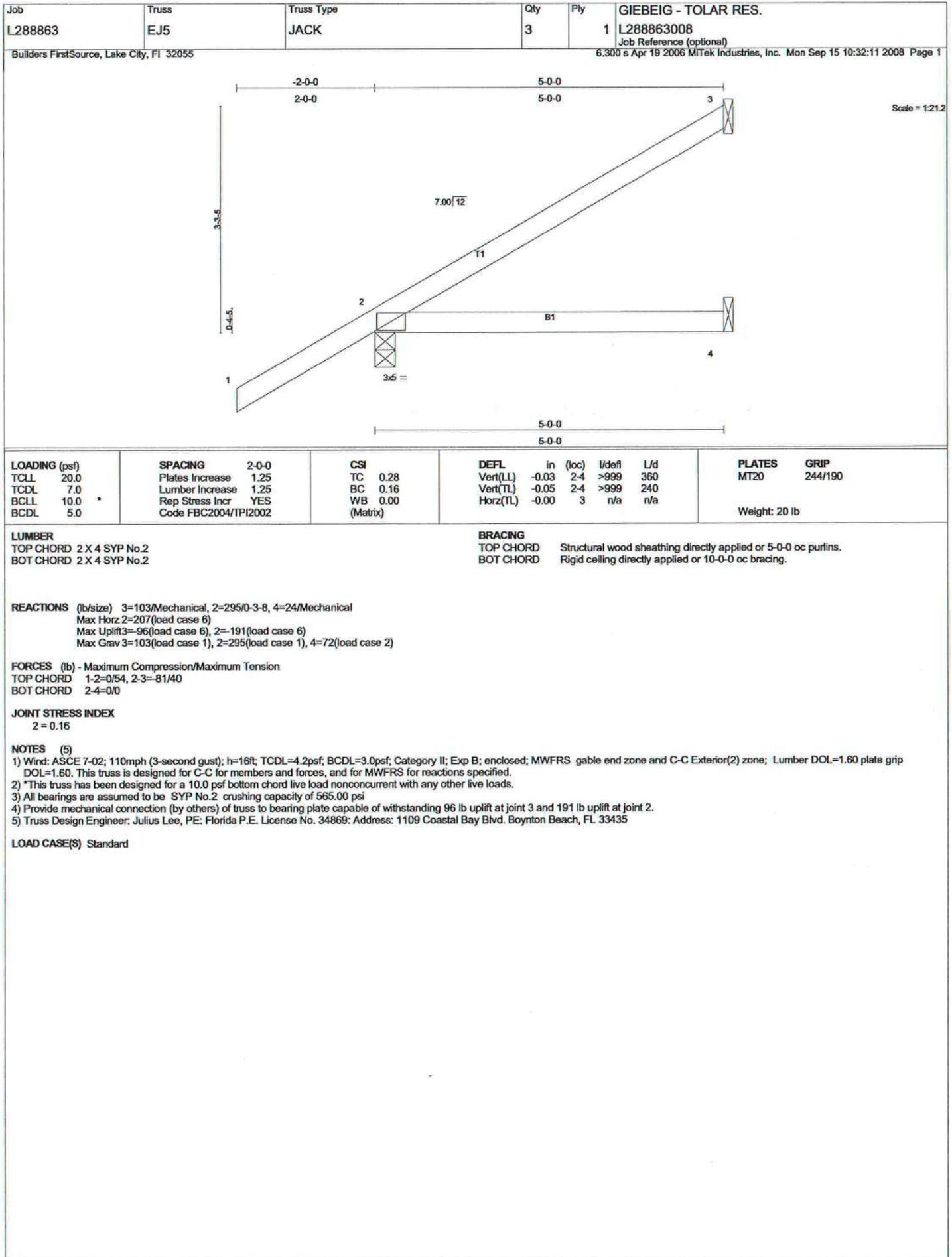
**REACTIONS** (lb/size) 1=967/0-3-8, 4=1073/Mechanical  
 Max Horz 1=113(load case 5)  
 Max Uplift 1=559(load case 5), 4=705(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=1012/573, 2-3=1/0, 3-4=26/25  
 BOT CHORD 1-5=512/830, 5-6=100/148, 4-6=100/148  
 WEBS 2-5=690/1142, 2-4=575/389

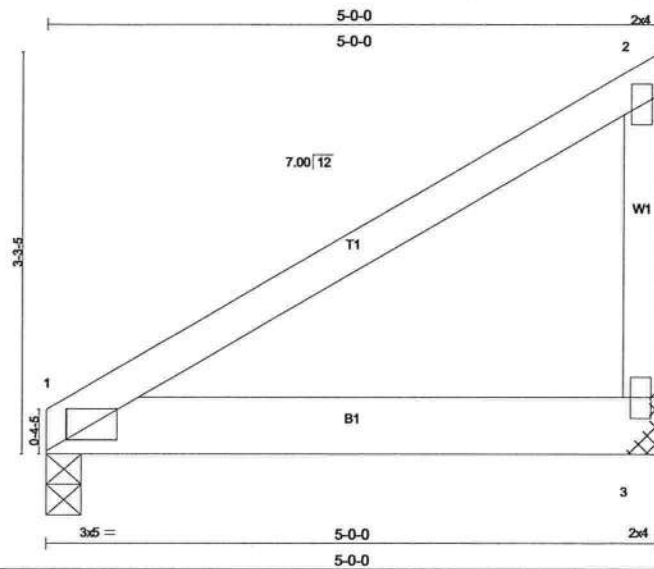
**JOINT STRESS INDEX**  
 1 = 0.53, 2 = 0.57, 3 = 0.01, 4 = 0.21 and 5 = 0.50

**NOTES** (8-9)  
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.  
 2) Provide adequate drainage to prevent water ponding.  
 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 559 lb uplift at joint 1 and 705 lb uplift at joint 4.  
 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 122 lb down and 111 lb up at 4-2-8 on bottom chord.  
 The design/selection of such connection device(s) is the responsibility of others.  
 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).  
 8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435  
 9) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard  
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-2=54, 2-3=80(F=26), 1-6=349(B=339), 4-6=354(F=5, B=339)  
 Concentrated Loads (lb)  
 Vert: 6=122(F)



|                                           |               |                          |                                                                            |          |                                                                |
|-------------------------------------------|---------------|--------------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>EJ5A | Truss Type<br>MONO TRUSS | Qty<br>1                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863009<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |               |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:12 2008 Page 1 |          |                                                                |



|                      |                      |            |                                 |               |               |
|----------------------|----------------------|------------|---------------------------------|---------------|---------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.31    | Vert(LL) 0.06 1-3 >999 360      | MT20          | 244/190       |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.53    | Vert(TL) -0.09 1-3 >600 240     |               |               |
| BCLL 10.0            | Rep Stress Incr NO   | WB 0.00    | Horz(TL) 0.00 n/a n/a           |               |               |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 |               |               |
|                      |                      |            |                                 |               | Weight: 24 lb |

|                           |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>             | <b>BRACING</b>                                                                                  |
| TOP CHORD 2 X 4 SYP No.2  | TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals. |
| BOT CHORD 2 X 6 SYP No.1D | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.                                  |
| WEBS 2 X 4 SYP No.3       |                                                                                                 |

**REACTIONS** (lb/size) 1=753/0-3-8, 3=753/Mechanical  
Max Horz 1=129(load case 5)  
Max Uplift 1=346(load case 5), 3=423(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=-83/52, 2-3=-127/127  
BOT CHORD 1-3=0/0

**JOINT STRESS INDEX**  
1 = 0.07, 2 = 0.07 and 3 = 0.07

**NOTES** (6)  
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.  
2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 346 lb uplift at joint 1 and 423 lb uplift at joint 3.  
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).  
6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard  
1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-266(F=256), 1-2=-54

|                                           |              |                          |                                                                            |          |                                                                |
|-------------------------------------------|--------------|--------------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>EJ7 | Truss Type<br>MONO TRUSS | Qty<br>15                                                                  | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863010<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:13 2008 Page 1 |          |                                                                |

Scale = 1/26.8  
Camber = 1/16 in

|                                     |                      |            |                             |               |             |
|-------------------------------------|----------------------|------------|-----------------------------|---------------|-------------|
| Plate Offsets (X,Y): [2-Edge,0-0-2] |                      |            |                             |               |             |
| <b>LOADING</b> (psf)                | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                 | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0                           | 2-0-0                | TC 0.41    | in (loc) l/defl L/d         | MT20          | 244/190     |
| TCDL 7.0                            | Plates Increase 1.25 | BC 0.28    | Vert(LL) -0.08 2-4 >999 360 |               |             |
| BCLL 10.0                           | Lumber Increase 1.25 | WB 0.00    | Vert(TL) -0.16 2-4 >496 240 |               |             |
| BCDL 5.0                            | Rep Stress Incr YES  | (Matrix)   | Horz(TL) -0.00 3 n/a n/a    |               |             |
|                                     | Code FBC2004/TPI2002 |            |                             | Weight: 26 lb |             |

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                            |
| TOP CHORD 2 X 4 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD 2 X 4 SYP No.2 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.            |

**REACTIONS** (lb/size) 3=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical  
 Max Horz 2=188(load case 6)  
 Max Uplift 3=93(load case 6), 2=130(load case 6)  
 Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/54, 2-3=111/61  
 BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**  
 2 = 0.70

**NOTES** (5)  
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 3 and 130 lb uplift at joint 2.  
 5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                                           |               |                          |                                                                            |          |                                                                |
|-------------------------------------------|---------------|--------------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>EJ7A | Truss Type<br>MONO TRUSS | Qty<br>4                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863011<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |               |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:14 2008 Page 1 |          |                                                                |

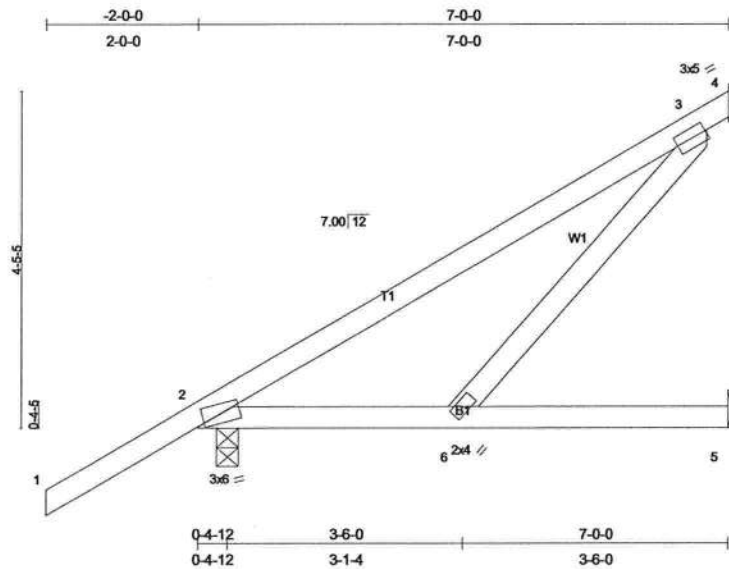


Plate Offsets (X,Y): [2-0-1-2,0-0-7]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.38  | Vert(LL) | 0.04  | 2-6   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.55  | Vert(TL) | -0.03 | 2-6   | >999   | 240 |               |         |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.16  | Horz(TL) | -0.00 | 4     | n/a    | n/a |               |         |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |       |       |        |     |               |         |
|               |                      |       |          |          |       |       |        |     | Weight: 34 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

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

#### REACTIONS (lb/size) 4=187/Mechanical, 2=352/0-3-8, 5=12/Mechanical

Max Horz 2=188(load case 6)  
Max Uplift 4=138(load case 6), 2=215(load case 6), 5=37(load case 4)  
Max Grav 4=187(load case 1), 2=352(load case 1), 5=42(load case 2)

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

TOP CHORD 1-2=0/54, 2-3=199/174, 3-4=143/94  
BOT CHORD 2-6=219/113, 5-6=0/0  
WEBS 3-6=342/176

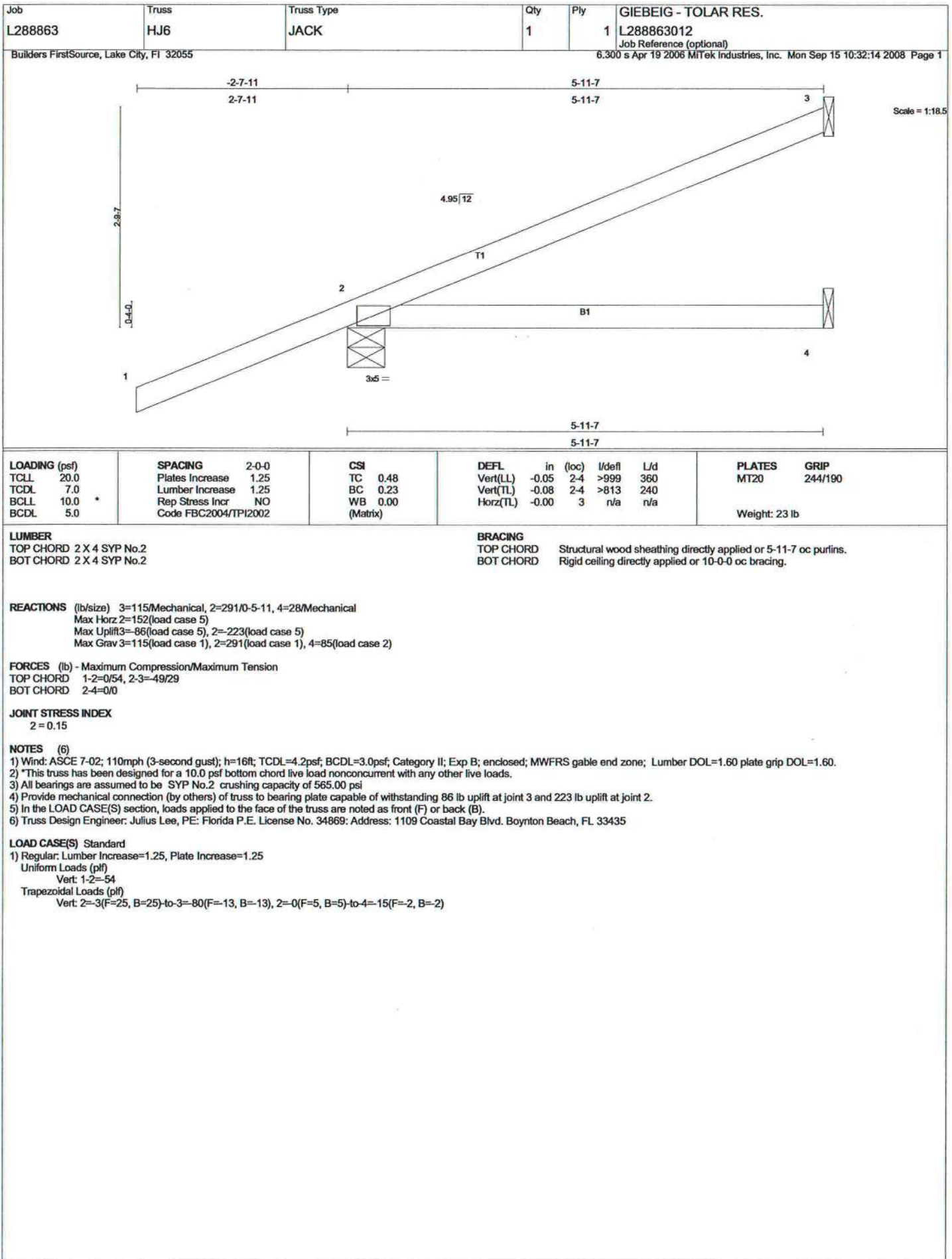
#### JOINT STRESS INDEX

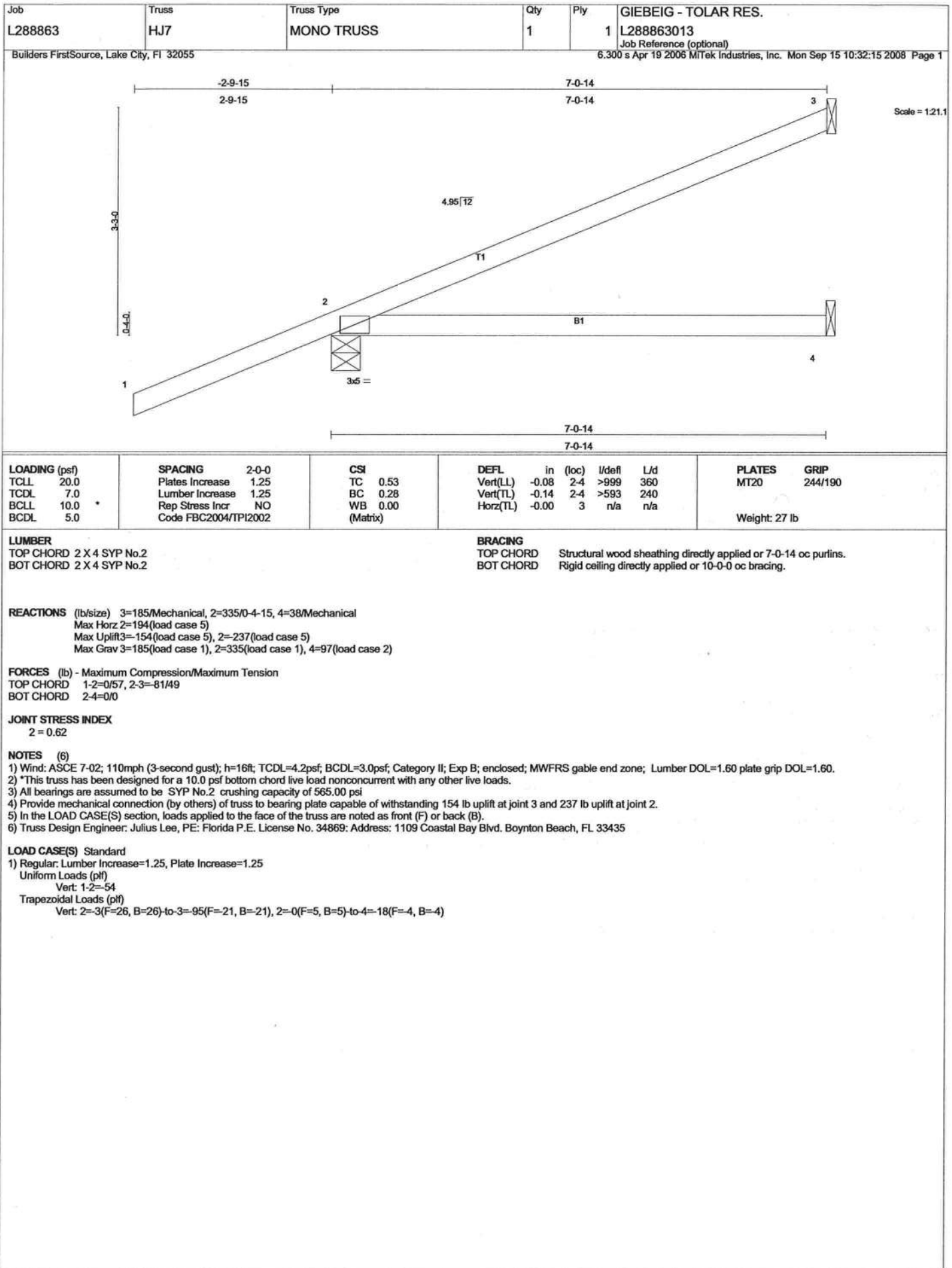
2 = 0.91, 3 = 0.11 and 6 = 0.20

#### NOTES (5)

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 4, 215 lb uplift at joint 2 and 37 lb uplift at joint 5.
- 5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S) Standard





|                                           |              |                          |                                                                            |          |                                                                |
|-------------------------------------------|--------------|--------------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>HJ9 | Truss Type<br>MONO TRUSS | Qty<br>3                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863014<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:16 2008 Page 1 |          |                                                                |

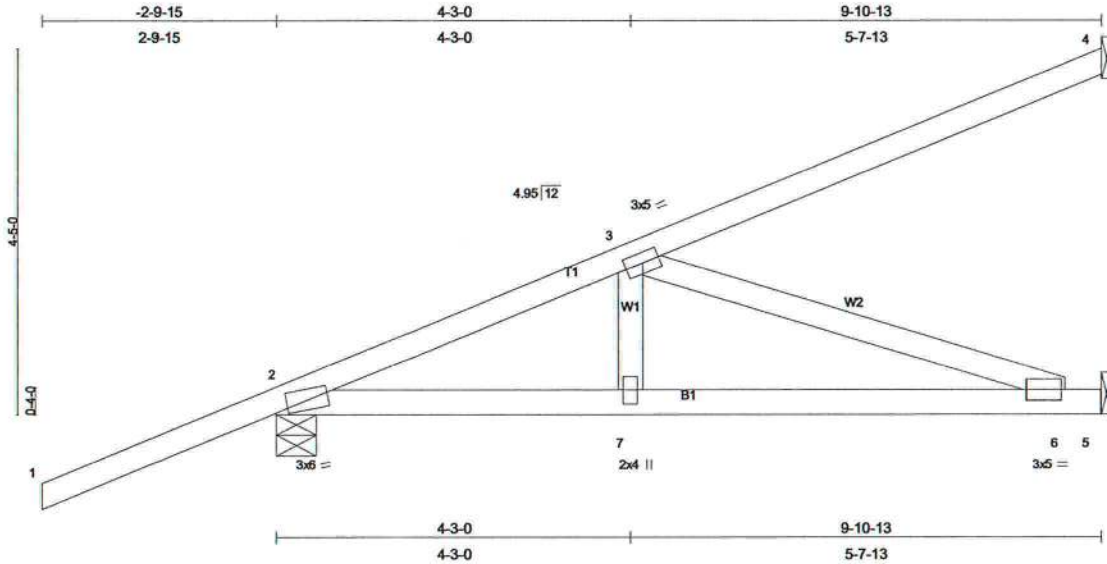


Plate Offsets (X,Y): [2-0-1-12,0-0-7]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.60  | Vert(LL) | 0.05  | 6-7   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.39  | Vert(TL) | -0.11 | 6-7   | >999   | 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.31  | Horz(TL) | 0.01  | 5     | n/a    | n/a |               |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) |          |       |       |        |     |               |         |
|               | Code FBC2004/TP12002 |          |          |       |       |        |     |               |         |
|               |                      |          |          |       |       |        |     | Weight: 46 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

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

**REACTIONS** (lb/size) 4=267/Mechanical, 2=456/0-5-11, 5=219/Mechanical  
Max Horz 2=316(load case 5)  
Max Uplift 4=248(load case 5), 2=261(load case 5), 5=71(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/58, 2-3=573/62, 3-4=126/74  
BOT CHORD 2-7=290/517, 6-7=290/517, 5-6=0/0  
WEBS 3-7=0/191, 3-6=547/307

#### JOINT STRESS INDEX

2 = 0.89, 3 = 0.16, 6 = 0.18 and 7 = 0.14

#### NOTES

- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 4, 261 lb uplift at joint 2 and 71 lb uplift at joint 5.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=54

Trapezoidal Loads (plf)

Vert: 2=3(F=25, B=25)-to-4=134(F=40, B=40), 2=0(F=5, B=5)-to-5=25(F=7, B=7)

|                |               |                          |          |          |                                                                |
|----------------|---------------|--------------------------|----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>HJ9A | Truss Type<br>MONO TRUSS | Qty<br>2 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863015<br>Job Reference (optional) |
|----------------|---------------|--------------------------|----------|----------|----------------------------------------------------------------|

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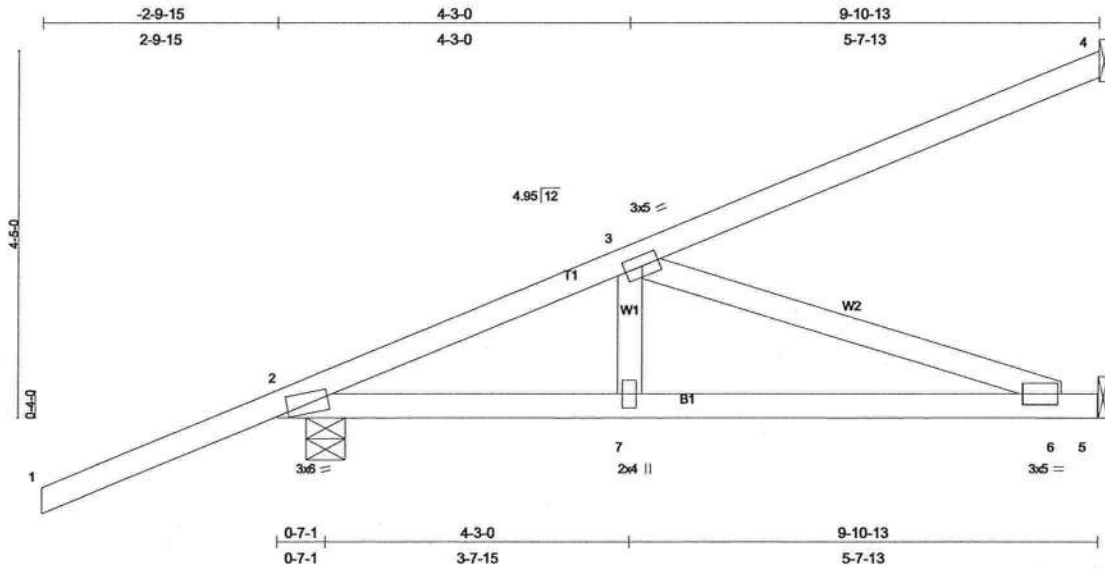


Plate Offsets (X,Y): [2:0-1-12,0-0-7]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.60  | Vert(LL) | 0.10  | 6-7   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.41  | Vert(TL) | -0.11 | 6-7   | >999   | 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.31  | Horz(TL) | 0.01  | 5     | n/a    | n/a |               |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) |          |       |       |        |     |               |         |
|               | Code FBC2004/TPI2002 |          |          |       |       |        |     |               |         |
|               |                      |          |          |       |       |        |     | Weight: 46 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.

#### REACTIONS (lb/size)

4=267/Mechanical, 2=456/0-5-11, 5=219/Mechanical  
Max Horz 2=316(load case 5)  
Max Uplift 4=249(load case 5), 2=382(load case 5), 5=190(load case 5)

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

TOP CHORD 1-2=0/58, 2-3=573/277, 3-4=-127/74  
BOT CHORD 2-7=-486/517, 6-7=-486/517, 5-6=0/0  
WEBS 3-7=94/191, 3-6=547/514

#### JOINT STRESS INDEX

2 = 0.90, 3 = 0.24, 6 = 0.18 and 7 = 0.14

#### NOTES (6)

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 4, 382 lb uplift at joint 2 and 190 lb uplift at joint 5.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S) Standard

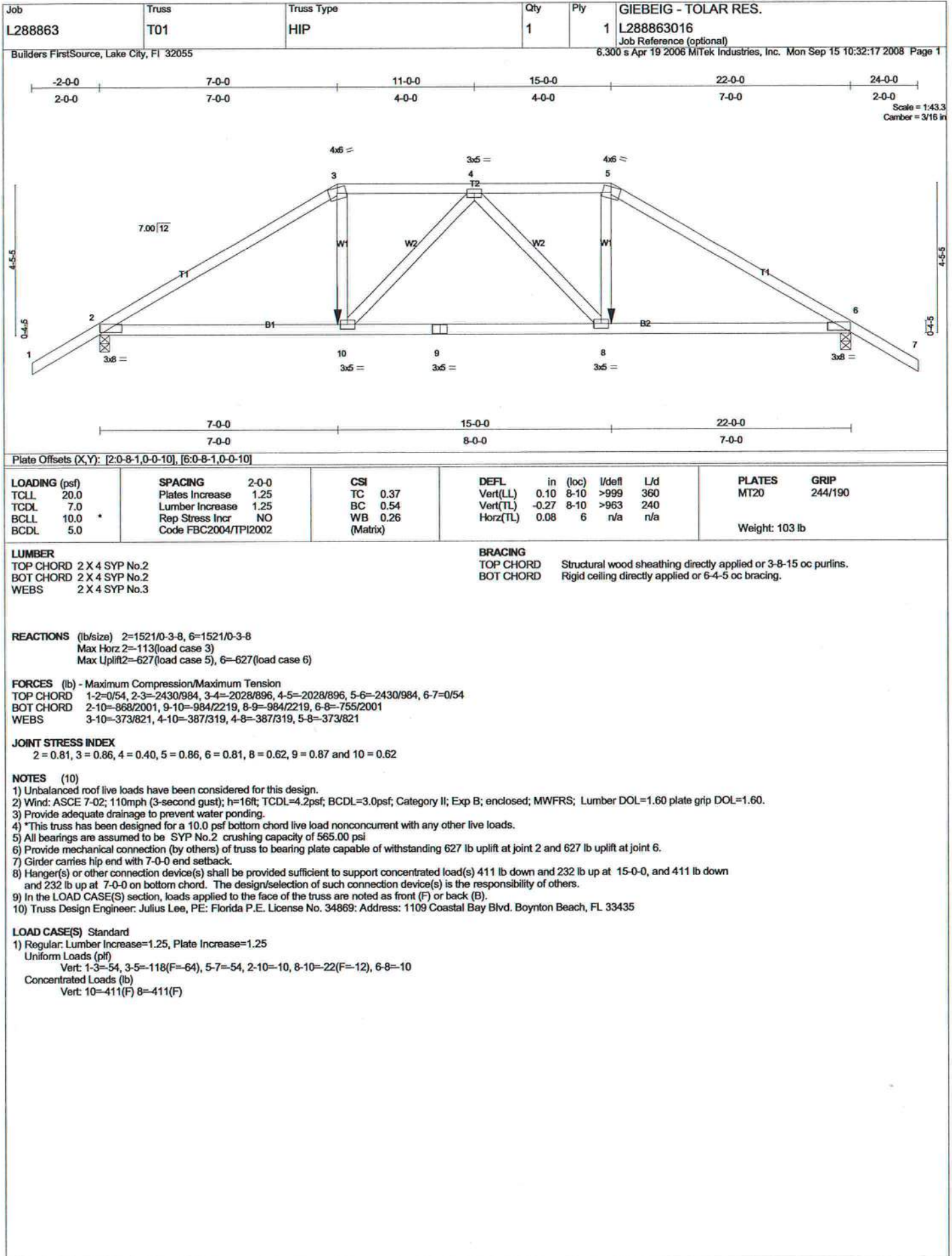
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=3(F=25, B=25)-to-4=-134(F=40, B=40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)



Job: L288863 Truss: T02 Truss Type: HIP Qty: 1 Ply: 1 GIEBEIG - TOLAR RES. L288863017  
Job Reference (optional)  
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Scale = 1/43.5  
Camber = 1/8 in

Plate Offsets (X,Y): [2:0-8-1,0-0-14], [7:0-8-1,0-0-14]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES | GRIP    |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|--------|---------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.25  | Vert(LL) | -0.15 | 7-9   | >999   | 360 | MT20   | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.37  | Vert(TL) | -0.27 | 7-9   | >963   | 240 |        |         |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.10  | Horz(TL) | 0.03  | 7     | n/a    | n/a |        |         |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |       |       |        |     |        |         |

Weight: 116 lb

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

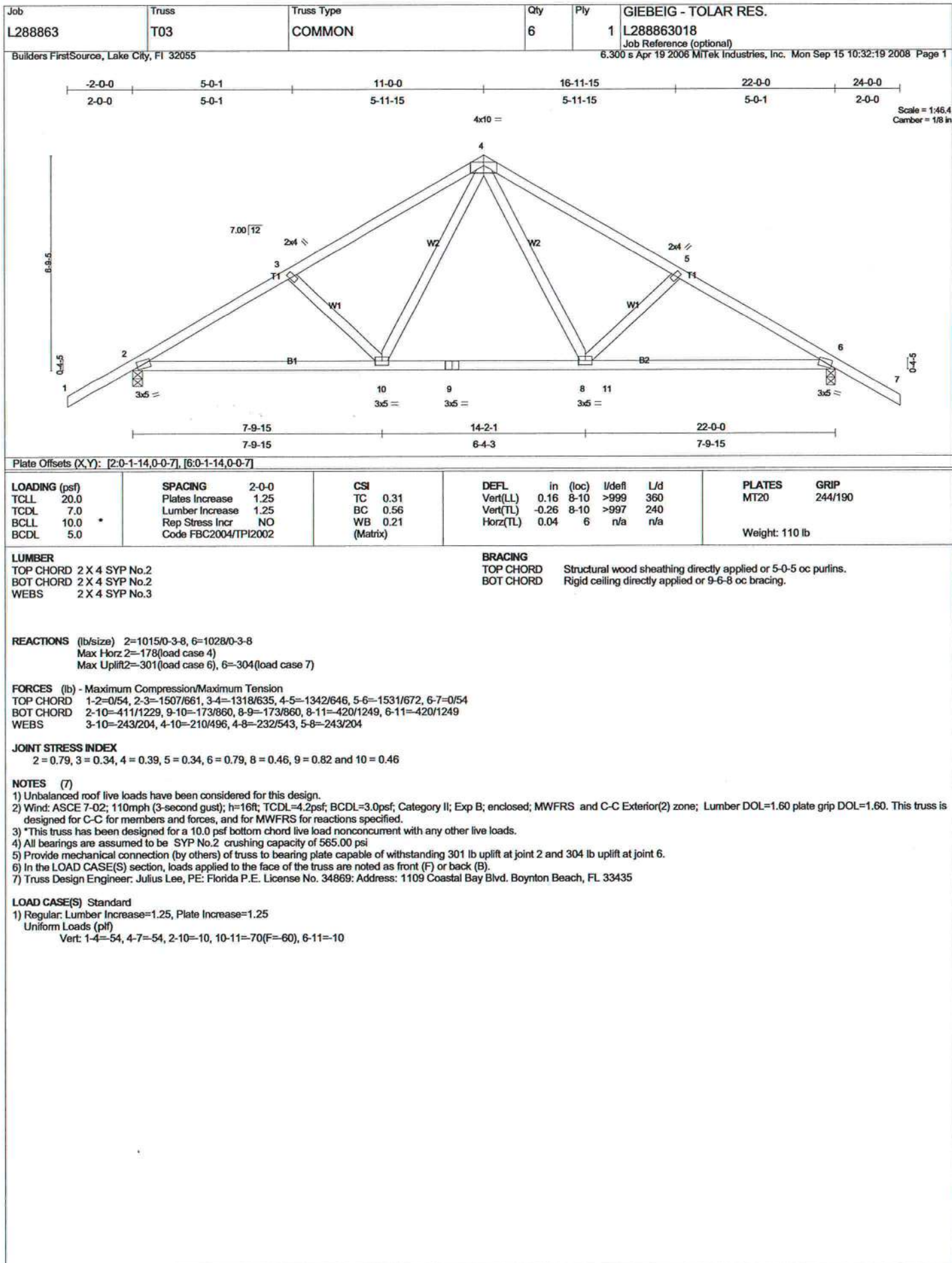
**REACTIONS** (lb/size) 2=811/0-3-8, 7=811/0-3-8  
Max Horz 2=145(load case 4)  
Max Uplift 2=235(load case 6), 7=235(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=1074/482, 3-4=848/421, 4-5=686/411, 5-6=848/421, 6-7=1074/482, 7-8=0/54  
BOT CHORD 2-11=255/862, 10-11=106/685, 9-10=106/685, 7-9=255/862  
WEBS 3-11=217/180, 4-11=55/240, 5-11=97/98, 5-9=55/240, 6-9=218/180

**JOINT STRESS INDEX**  
2 = 0.70, 3 = 0.34, 4 = 0.46, 5 = 0.47, 6 = 0.34, 7 = 0.70, 9 = 0.40, 10 = 0.55 and 11 = 0.58

**NOTES** (7)  
1) Unbalanced roof live loads have been considered for this design.  
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
3) Provide adequate drainage to prevent water ponding.  
4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi  
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 2 and 235 lb uplift at joint 7.  
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

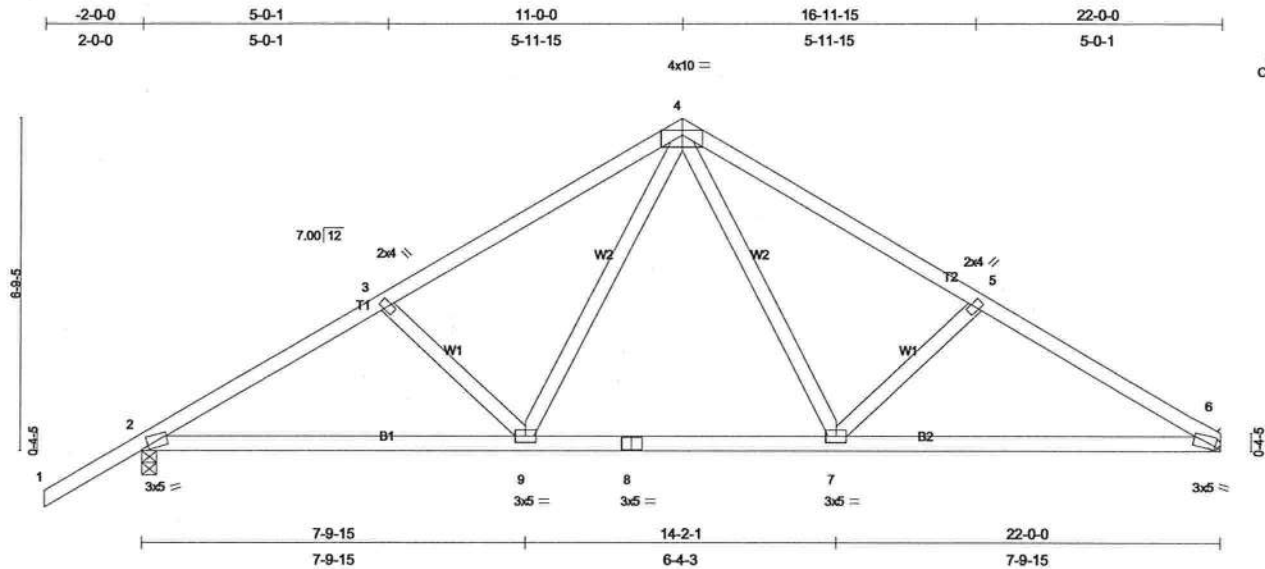
**LOAD CASE(S)** Standard



|                |              |                      |          |          |                                                                |
|----------------|--------------|----------------------|----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>T04 | Truss Type<br>COMMON | Qty<br>2 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863019<br>Job Reference (optional) |
|----------------|--------------|----------------------|----------|----------|----------------------------------------------------------------|

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Scale = 1/4\"/>

Plate Offsets (X,Y): [2:0-1-10,0-0-7], [6:0-1-10,0-0-7]

|                      |                      |            |                             |                |             |
|----------------------|----------------------|------------|-----------------------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                 | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | 2-0-0                | TC 0.30    | in (loc) l/defl L/d         | MT20           | 244/190     |
| TCDL 7.0             | Plates Increase 1.25 | BC 0.58    | Vert(LL) 0.15 7-9 >999 360  |                |             |
| BCLL 10.0            | Lumber Increase 1.25 | WB 0.23    | Vert(TL) -0.26 7-9 >999 240 |                |             |
| BCDL 5.0             | Rep Stress Incr NO   | (Matrix)   | Horz(TL) 0.04 6 n/a n/a     |                |             |
|                      | Code FBC2004/TPI2002 |            |                             | Weight: 107 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 8-6-15 oc bracing.

#### REACTIONS (lb/size)

6=879/Mechanical, 2=1007/0-3-8  
Max Horz 2=200(load case 5)  
Max Uplift 6=200(load case 7), 2=298(load case 6)

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

TOP CHORD 1-2=0/54, 2-3=1491/664, 3-4=1302/638, 4-5=1319/662, 5-6=1513/694  
BOT CHORD 2-9=488/1216, 8-9=250/846, 7-8=250/846, 6-7=525/1242  
WEBS 3-9=244/206, 4-9=207/498, 4-7=251/526, 5-7=262/230

#### JOINT STRESS INDEX

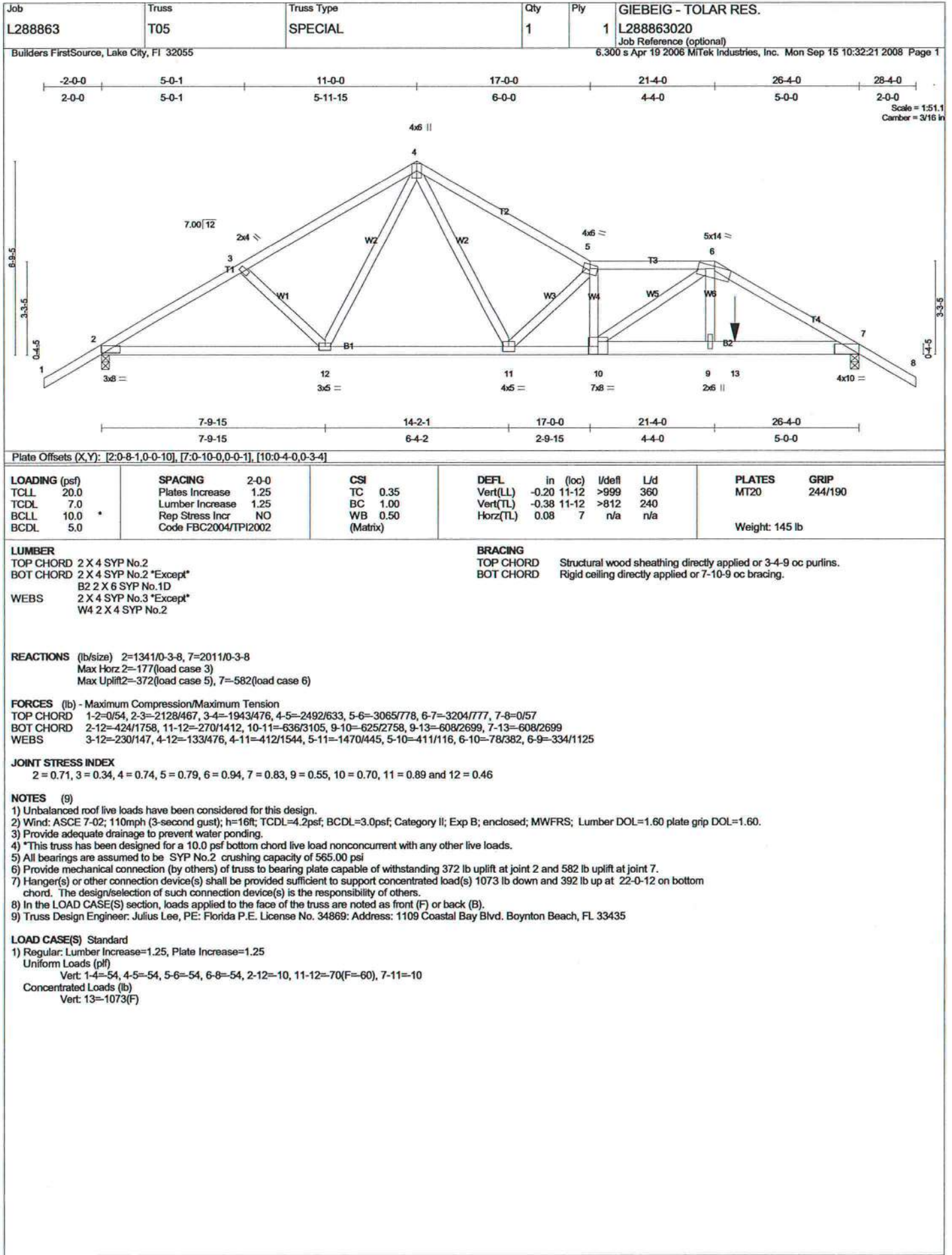
2 = 0.80, 3 = 0.34, 4 = 0.38, 5 = 0.34, 6 = 0.80, 7 = 0.46, 8 = 0.81 and 9 = 0.46

#### NOTES (7-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 6 and 298 lb uplift at joint 2.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson HTU26 to attach Truss to Carrying member

#### LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-4=54, 4-6=54, 2-9=10, 7-9=70(F=60), 6-7=10



|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T06</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863021</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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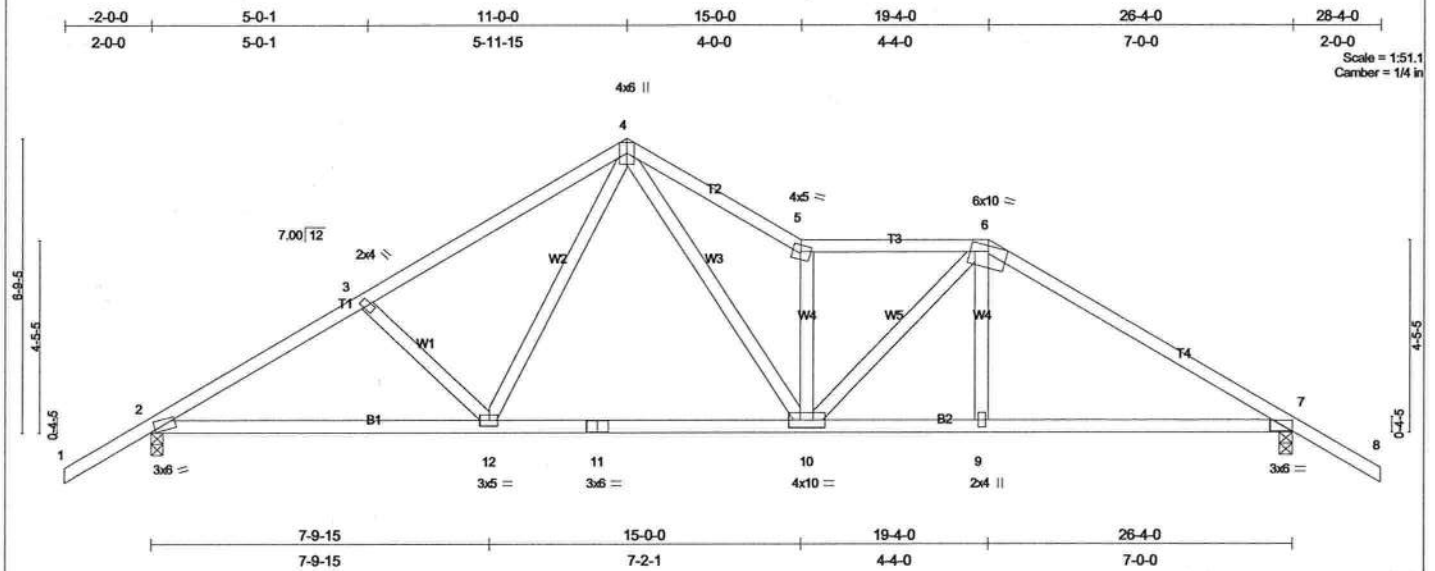


Plate Offsets (X,Y): [2-0-1-6,0-0-7], [7-0-3-3,0-1-8]

|                      |                      |            |                               |                |             |
|----------------------|----------------------|------------|-------------------------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | 2-0-0                | TC 0.45    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCDL 7.0             | Plates Increase 1.25 | BC 0.76    | Vert(LL) 0.27 10-12 >999 360  |                |             |
| BCLL 10.0            | Lumber Increase 1.25 | WB 0.69    | Vert(TL) -0.47 10-12 >672 240 |                |             |
| BCDL 5.0             | Rep Stress Incr NO   | (Matrix)   | Horz(TL) 0.06 7 n/a n/a       |                |             |
|                      | Code FBC2004/TPI2002 |            |                               | Weight: 138 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.

#### REACTIONS

(lb/size) 2=1197/0-3-8, 7=1140/0-3-8  
Max Horz 2=-178(load case 4)  
Max Uplift 2=-332(load case 6), 7=342(load case 7)

#### FORCES

(lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=-1869/864, 3-4=-1682/838, 4-5=-2160/1151, 5-6=-1809/931, 6-7=-1669/755, 7-8=0/54  
BOT CHORD 2-12=-584/1536, 11-12=-336/1155, 10-11=-336/1155, 9-10=-463/1351, 7-9=-465/1351  
WEBS 3-12=-229/205, 4-12=-232/532, 4-10=-674/1289, 5-10=-1204/662, 6-10=-300/644, 6-9=-9/131

#### JOINT STRESS INDEX

2 = 0.81, 3 = 0.34, 4 = 0.73, 5 = 0.75, 6 = 0.69, 7 = 0.74, 9 = 0.34, 10 = 0.84, 11 = 0.84 and 12 = 0.46

#### NOTES

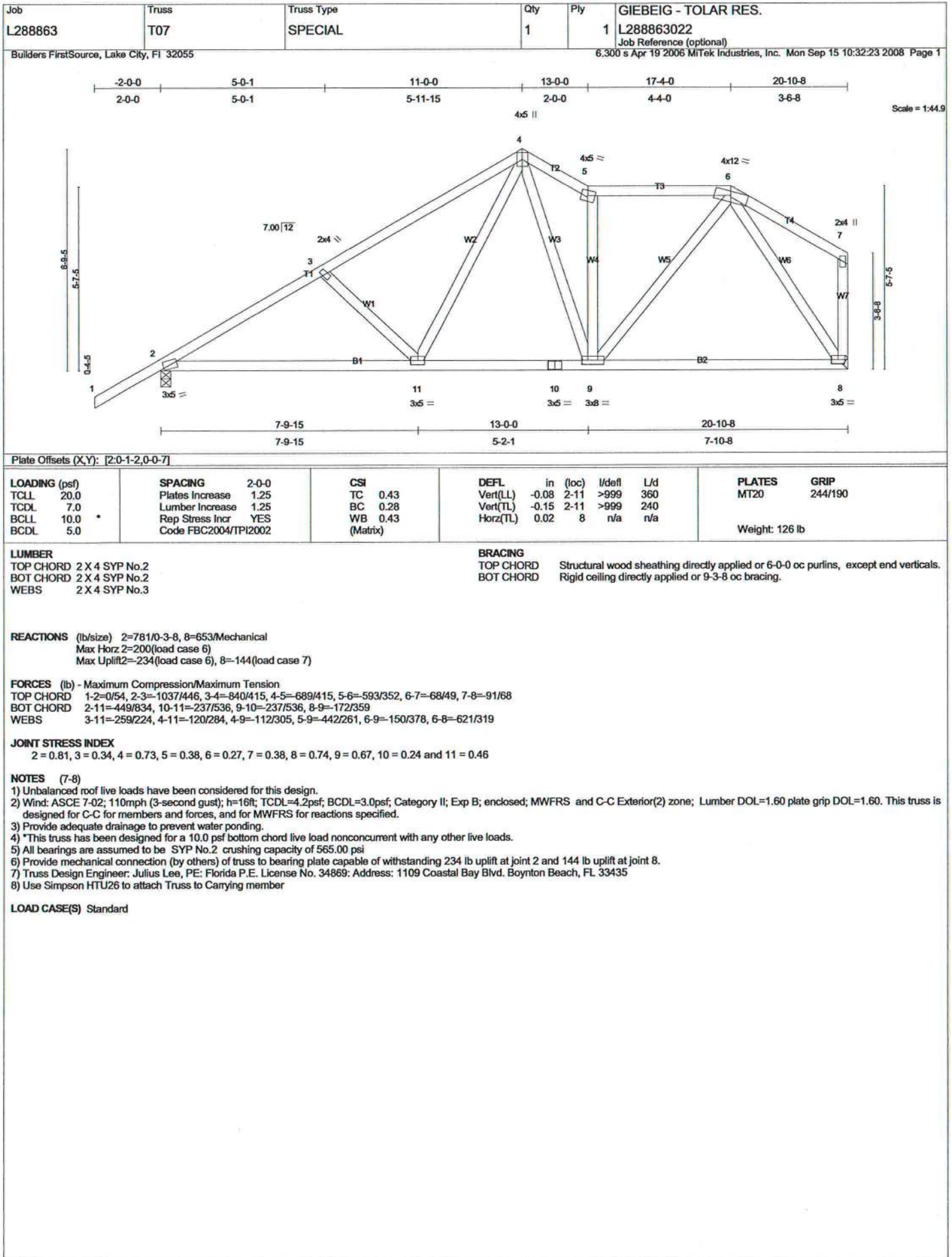
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 332 lb uplift at joint 2 and 342 lb uplift at joint 7.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S)

Standard  
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-5=-54, 5-6=-54, 6-8=-54, 2-12=-10, 10-12=-70(F=60), 7-10=-10



|                                           |                     |                          |                                                                            |                 |                                                                              |
|-------------------------------------------|---------------------|--------------------------|----------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b>                     | Truss<br><b>T08</b> | Truss Type<br><b>HIP</b> | Qty<br><b>1</b>                                                            | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863023</b><br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |                     |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:24 2008 Page 1 |                 |                                                                              |

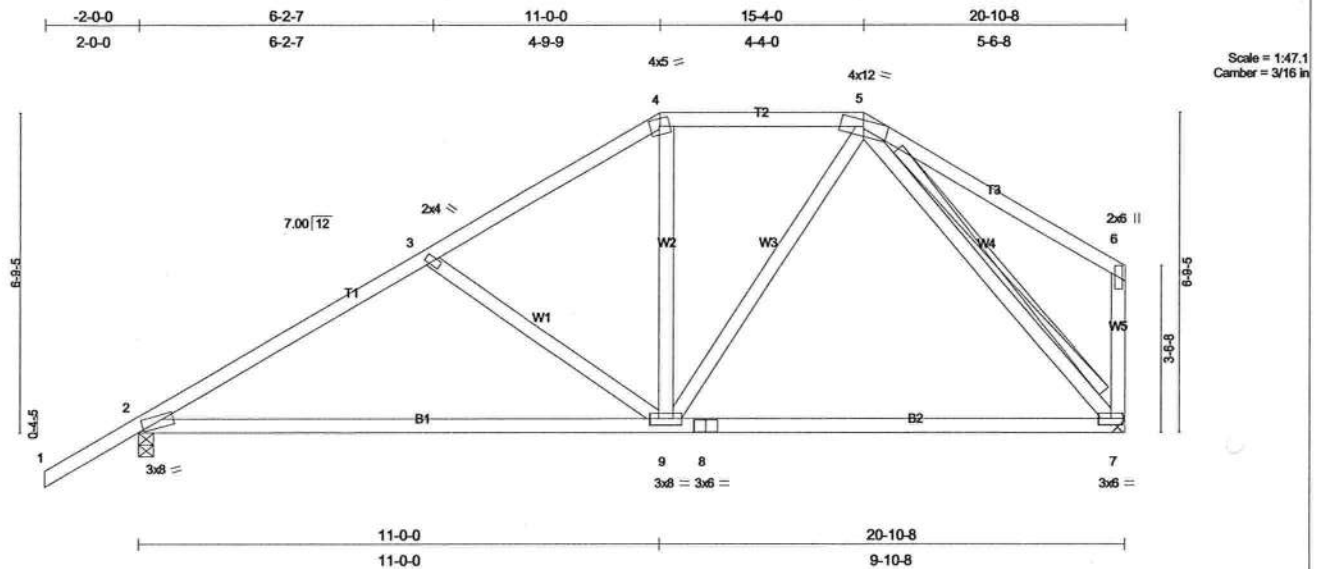


Plate Offsets (X,Y): [2-0-1-2,0-0-3]

| LOADING (psf)  | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | I/defl | L/d | PLATES | GRIP    |
|----------------|----------------------|-------|----------|----------|-------|-------|--------|-----|--------|---------|
| TCLL 20.0      | Plates Increase      | 1.25  | TC 0.53  | Vert(LL) | -0.26 | 2-9   | >954   | 360 | MT20   | 244/190 |
| TCDL 7.0       | Lumber Increase      | 1.25  | BC 0.51  | Vert(TL) | -0.47 | 2-9   | >525   | 240 |        |         |
| BCLL 10.0      | Rep Stress Incr      | YES   | WB 0.24  | Horz(TL) | 0.02  | 7     | n/a    | n/a |        |         |
| BCDL 5.0       | Code FBC2004/TPI2002 |       | (Matrix) |          |       |       |        |     |        |         |
| Weight: 116 lb |                      |       |          |          |       |       |        |     |        |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 9-8-5 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 5-7  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 2=781/0-3-8, 7=653/Mechanical  
Max Horz 2=200(load case 6)  
Max Uplift 2=234(load case 6), 7=112(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=980/431, 3-4=696/352, 4-5=538/354, 5-6=129/113, 6-7=171/142  
BOT CHORD 2-9=417/774, 8-9=182/414, 7-8=182/414  
WEBS 3-9=291/246, 4-9=18/191, 5-9=94/285, 5-7=569/252

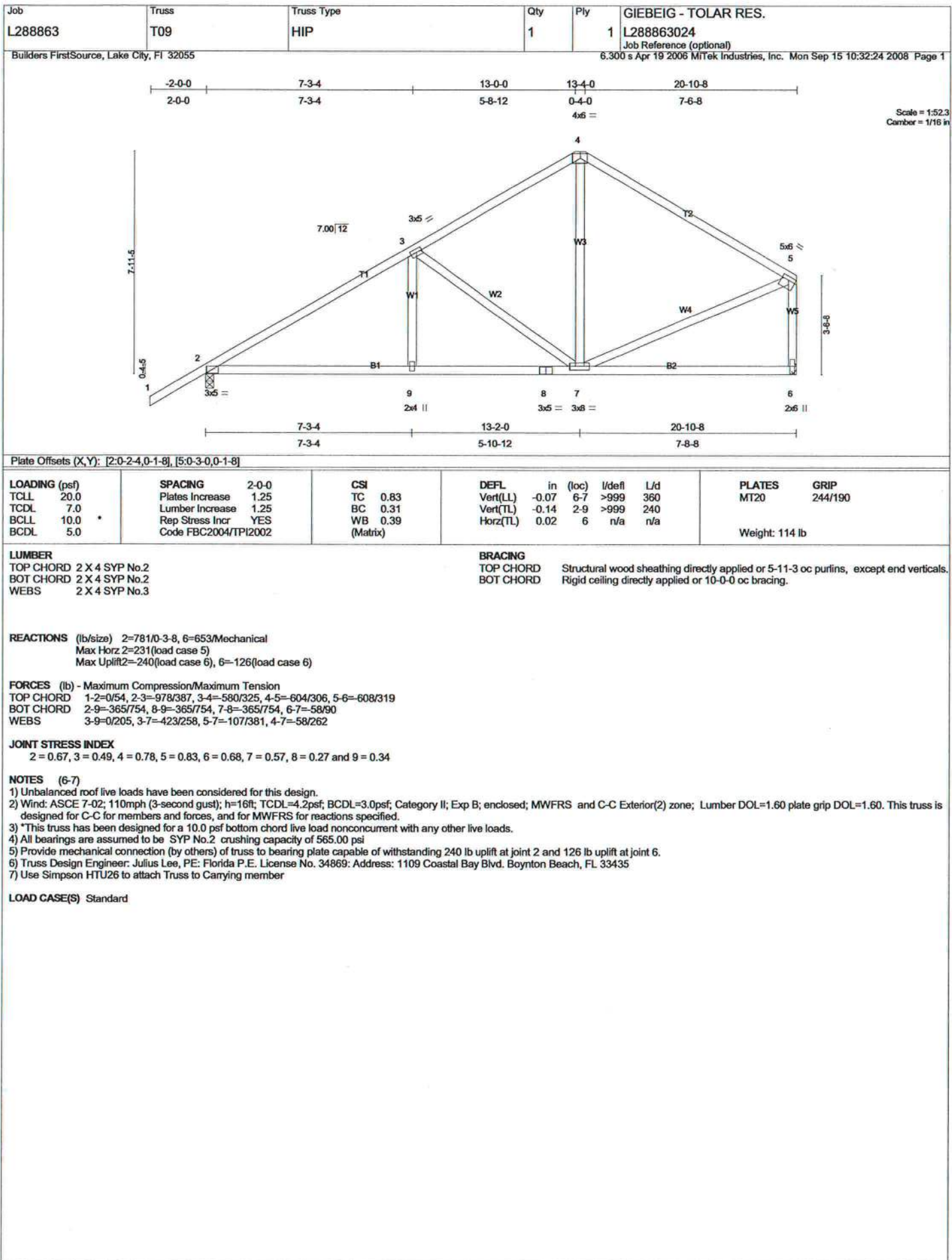
#### JOINT STRESS INDEX

2 = 0.86, 3 = 0.34, 4 = 0.48, 5 = 0.43, 6 = 0.58, 7 = 0.68, 8 = 0.70 and 9 = 0.59

#### NOTES (7-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 2 and 112 lb uplift at joint 7.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard



|                                           |              |                      |                                                                            |          |                                                                |
|-------------------------------------------|--------------|----------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>T10 | Truss Type<br>COMMON | Qty<br>2                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863025<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                      | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:25 2008 Page 1 |          |                                                                |

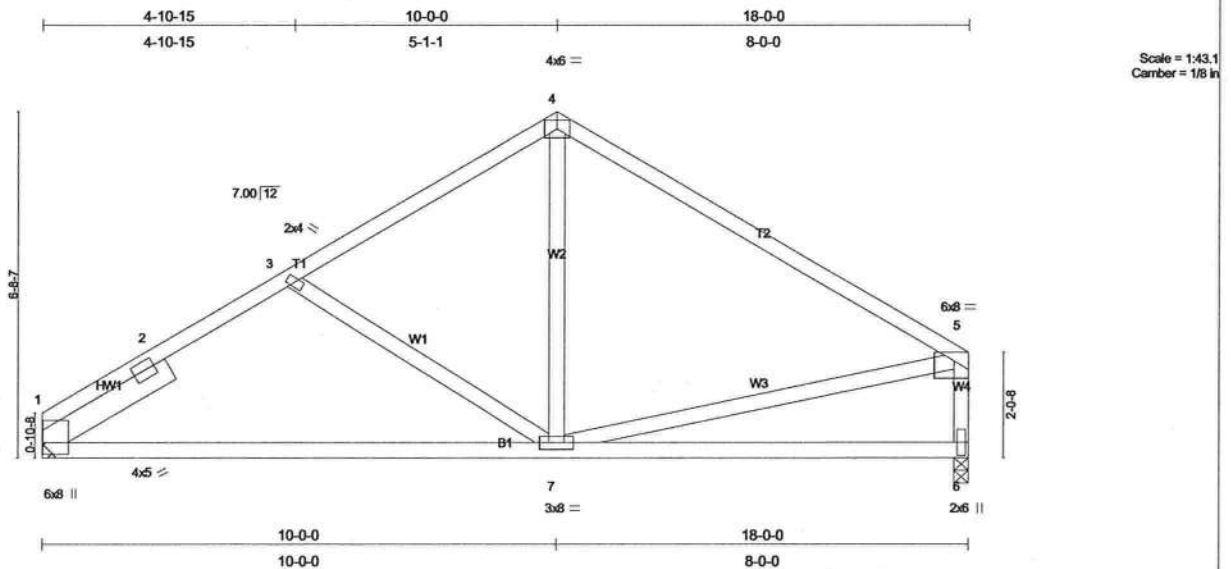


Plate Offsets (X,Y): [1:0-2-12,0-0-3], [5:0-3-8,Edge]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.90  | Vert(LL) | -0.14 | 1-7   | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.40  | Vert(TL) | -0.24 | 1-7   | >875   | 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.16  | Horz(TL) | 0.01  | 6     | n/a    | n/a |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) |          |       |       |        |     |               |         |
|               | Code FBC2004/TPI2002 |          |          |       |       |        |     | Weight: 97 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3  
SLIDER Left 2 X 6 SYP No.1D 2-10-10

#### 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) 1=571/Mechanical, 6=571/0-3-8  
Max Horz 1=175(load case 5)  
Max Uplift 1=122(load case 6), 6=114(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=777/359, 2-3=693/373, 3-4=563/311, 4-5=617/293, 5-6=532/281  
BOT CHORD 1-7=296/599, 6-7=126/181  
WEBS 3-7=240/186, 4-7=37/271, 5-7=83/274

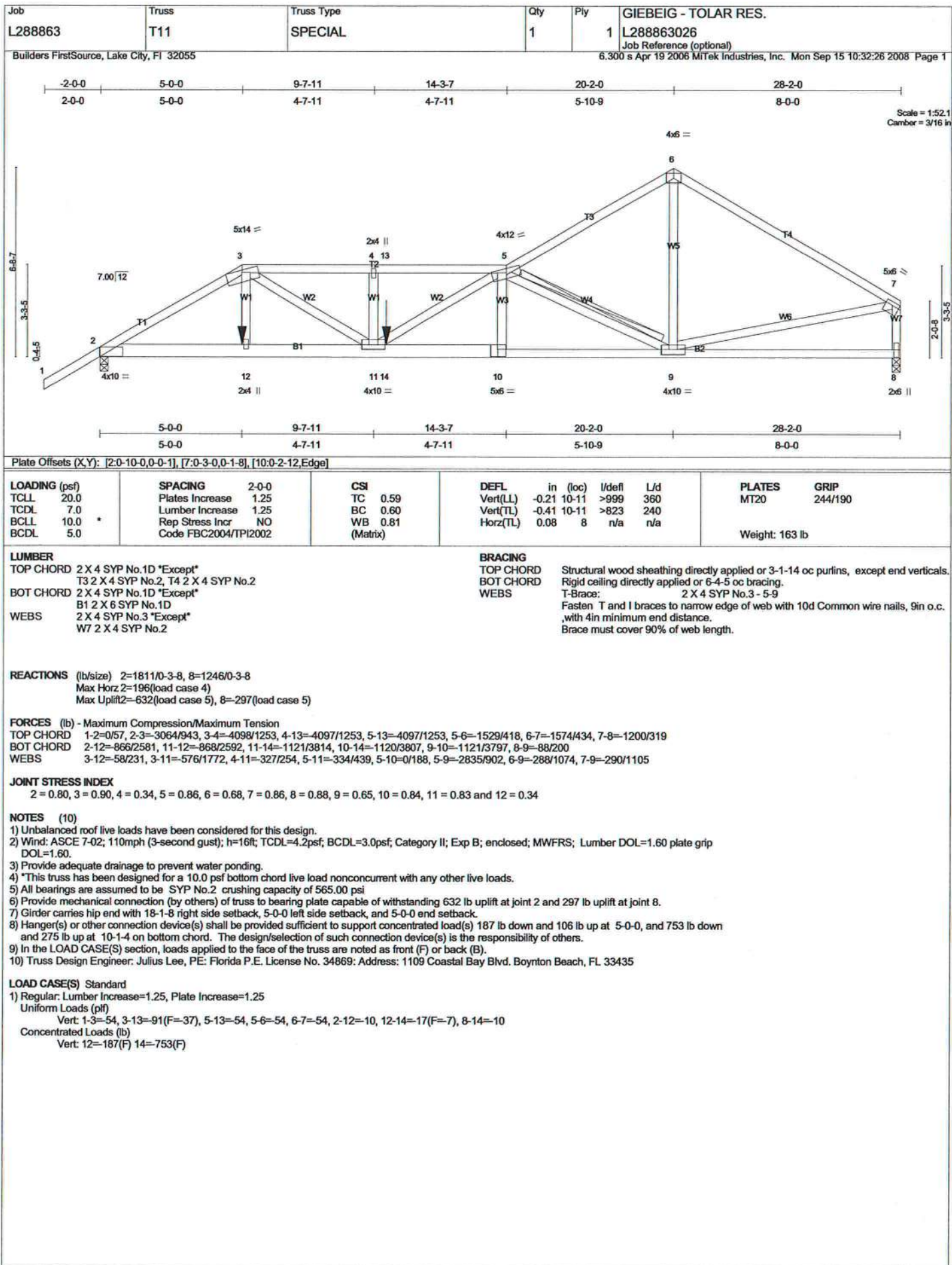
#### JOINT STRESS INDEX

1 = 0.68, 1 = 0.35, 2 = 0.00, 3 = 0.34, 4 = 0.82, 5 = 0.57, 6 = 0.63 and 7 = 0.57

#### NOTES (6-7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 1 and 114 lb uplift at joint 6.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



|                |              |                       |          |          |                                                                |
|----------------|--------------|-----------------------|----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>T12 | Truss Type<br>SPECIAL | Qty<br>1 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863027<br>Job Reference (optional) |
|----------------|--------------|-----------------------|----------|----------|----------------------------------------------------------------|

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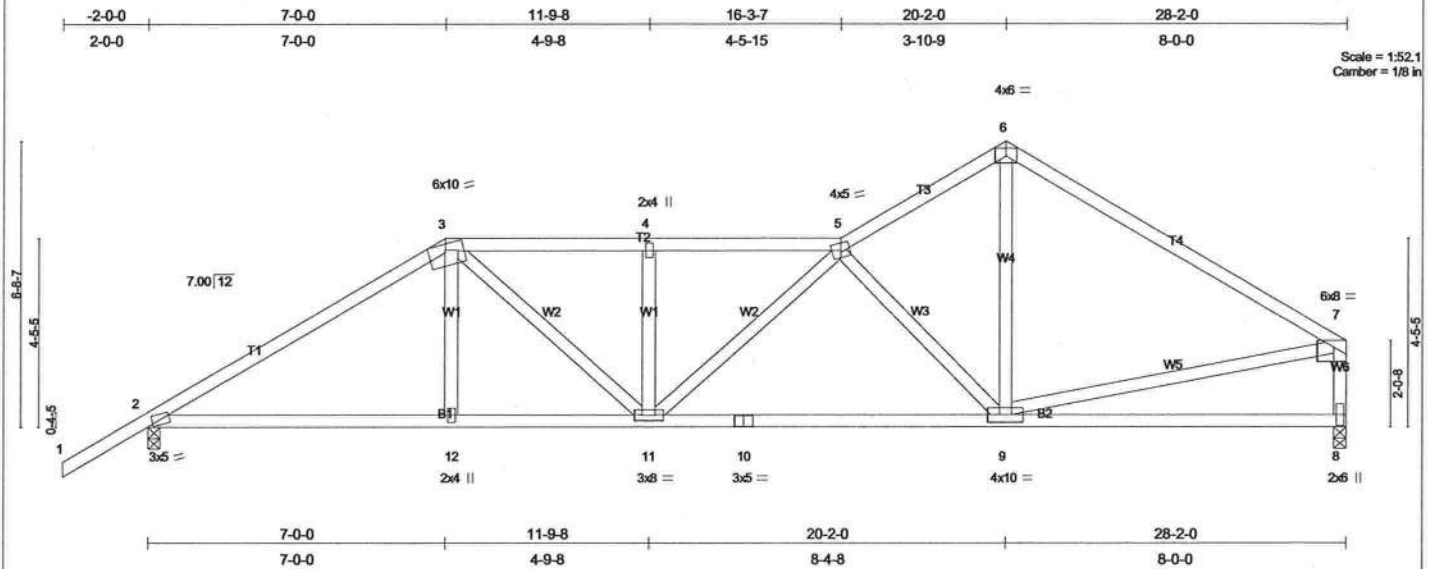


Plate Offsets (X,Y): [2-0-1-10,0-0-7], [7-0-3-8,Edge]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.89  | Vert(LL) | -0.11 | 9-11  | >999   | 360 | MT20           | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.41  | Vert(TL) | -0.24 | 9-11  | >999   | 240 |                |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.52  | Horz(TL) | 0.05  | 8     | n/a    | n/a |                |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) |          |       |       |        |     |                |         |
|               | Code FBC2004/TPI2002 |          |          |       |       |        |     |                |         |
|               |                      |          |          |       |       |        |     | Weight: 152 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 7-8-4 oc bracing.

#### REACTIONS (lb/size) 2=1012/0-3-8, 8=888/0-3-8

Max Horz 2=196(load case 5)  
Max Uplift 2=319(load case 6), 8=172(load case 6)

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

TOP CHORD 1-2=0/54, 2-3=1431/647, 3-4=1467/775, 4-5=1467/775, 5-6=981/534, 6-7=1063/509, 7-8=845/433  
BOT CHORD 2-12=526/1145, 11-12=525/1147, 10-11=676/1448, 9-10=676/1448, 8-9=131/185  
WEBS 3-12=0/177, 3-11=196/423, 4-11=233/181, 5-11=37/74, 5-9=912/514, 6-9=272/610, 7-9=199/656

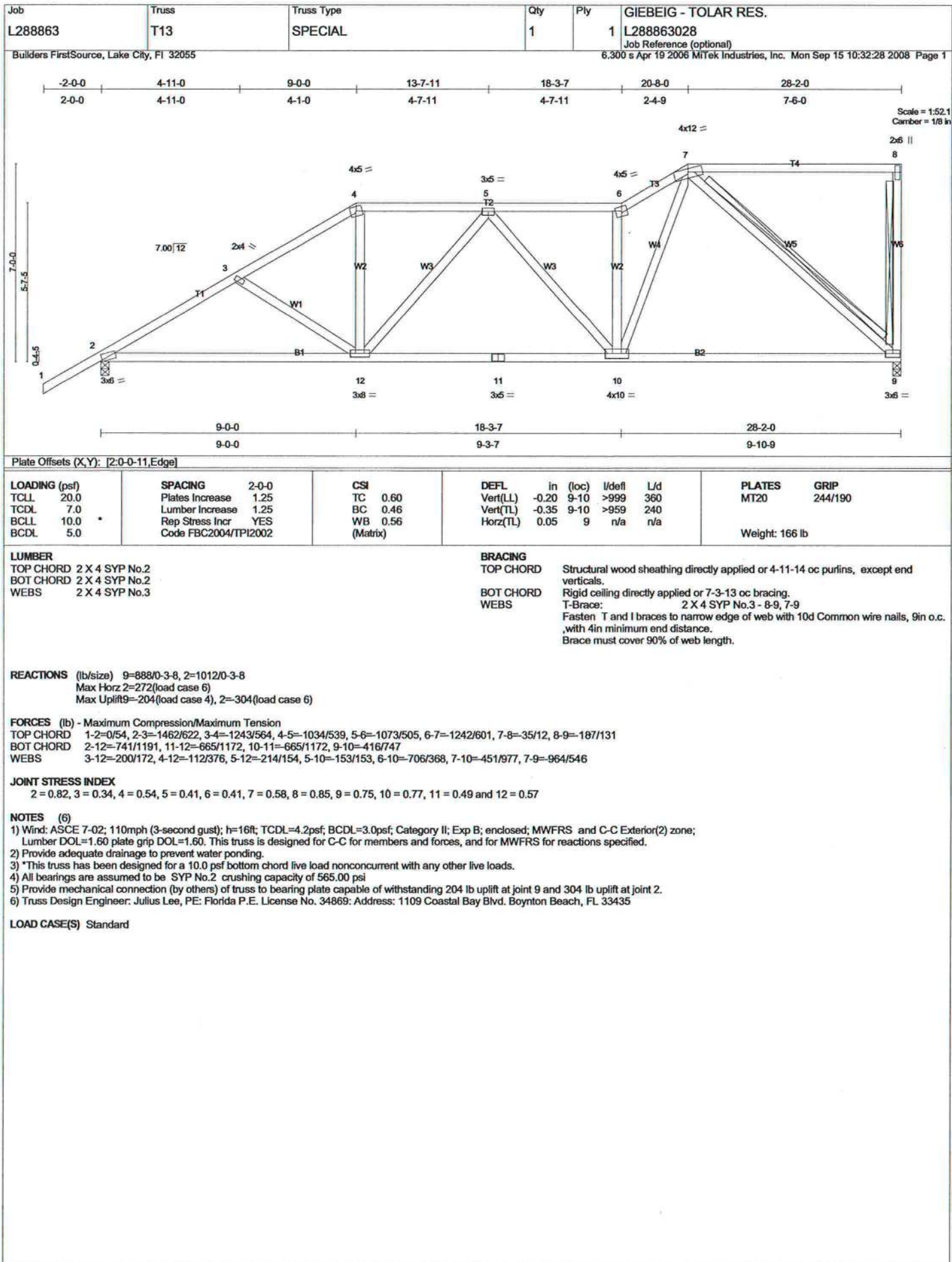
#### JOINT STRESS INDEX

2 = 0.78, 3 = 0.65, 4 = 0.34, 5 = 0.52, 6 = 0.78, 7 = 0.58, 8 = 0.74, 9 = 0.37, 10 = 0.54, 11 = 0.57 and 12 = 0.34

#### NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 319 lb uplift at joint 2 and 172 lb uplift at joint 8.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S) Standard



|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T14</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863029</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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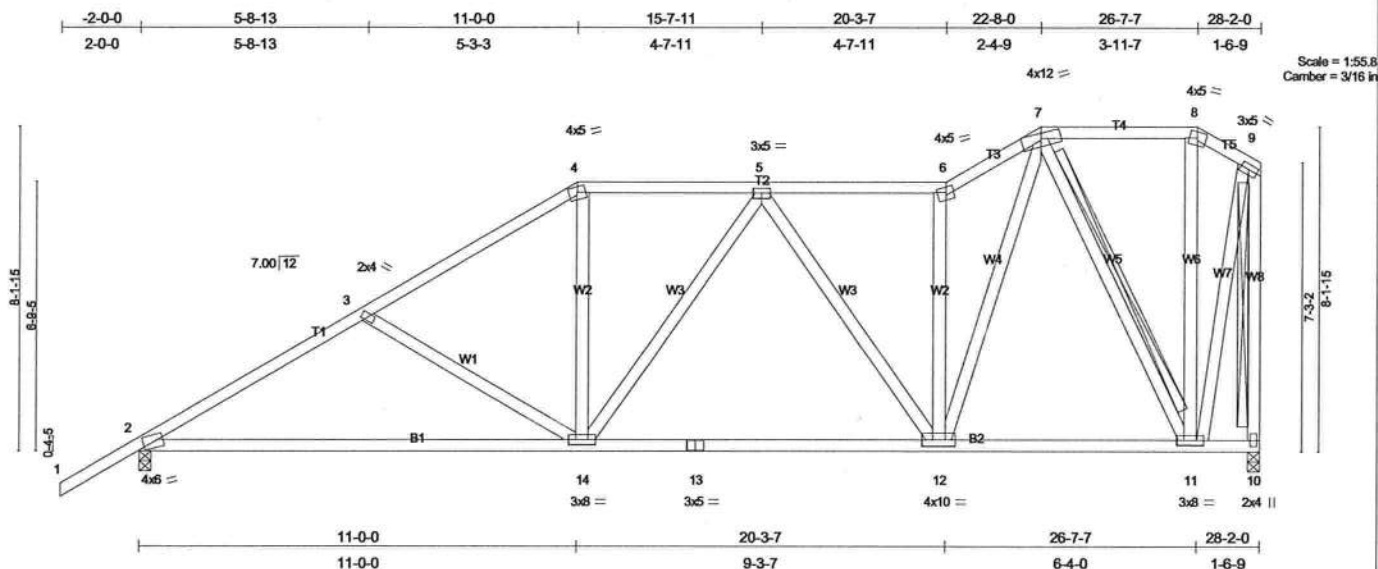


Plate Offsets (X,Y): [2:0-1-10,Edge]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | I/defl | L/d | PLATES         | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|--------|-----|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.32  | Vert(LL) | -0.28 | 2-14  | >999   | 360 | MT20           | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.53  | Vert(TL) | -0.51 | 2-14  | >660   | 240 |                |         |
| BCCL 10.0     | Lumber Increase 1.25 | WB 0.62  | Horz(TL) | 0.04  | 10    | n/a    | n/a |                |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) |          |       |       |        |     |                |         |
|               | Code FBC2004/TP12002 |          |          |       |       |        |     |                |         |
|               |                      |          |          |       |       |        |     | Weight: 198 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 7-3-8 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 7-11, 9-10  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.  
with 4in minimum end distance.  
Brace must cover 90% of web length.

#### REACTIONS

(lb/size) 2=1012/0-3-8, 10=888/0-3-8  
Max Horz 2=292(load case 6)  
Max Uplift 2=305(load case 6), 10=216(load case 6)

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

TOP CHORD 1-2=0/54, 2-3=1441/611, 3-4=1153/520, 4-5=936/509, 5-6=783/397, 6-7=946/505, 7-8=169/122, 8-9=210/118, 9-10=866/450  
BOT CHORD 2-14=739/1173, 13-14=539/950, 12-13=539/950, 11-12=268/495, 10-11=4/7  
WEBS 3-14=283/240, 4-14=62/335, 5-14=25/143, 5-12=295/207, 6-12=623/372, 7-12=525/988, 7-11=748/418, 8-11=107/70, 9-11=387/759

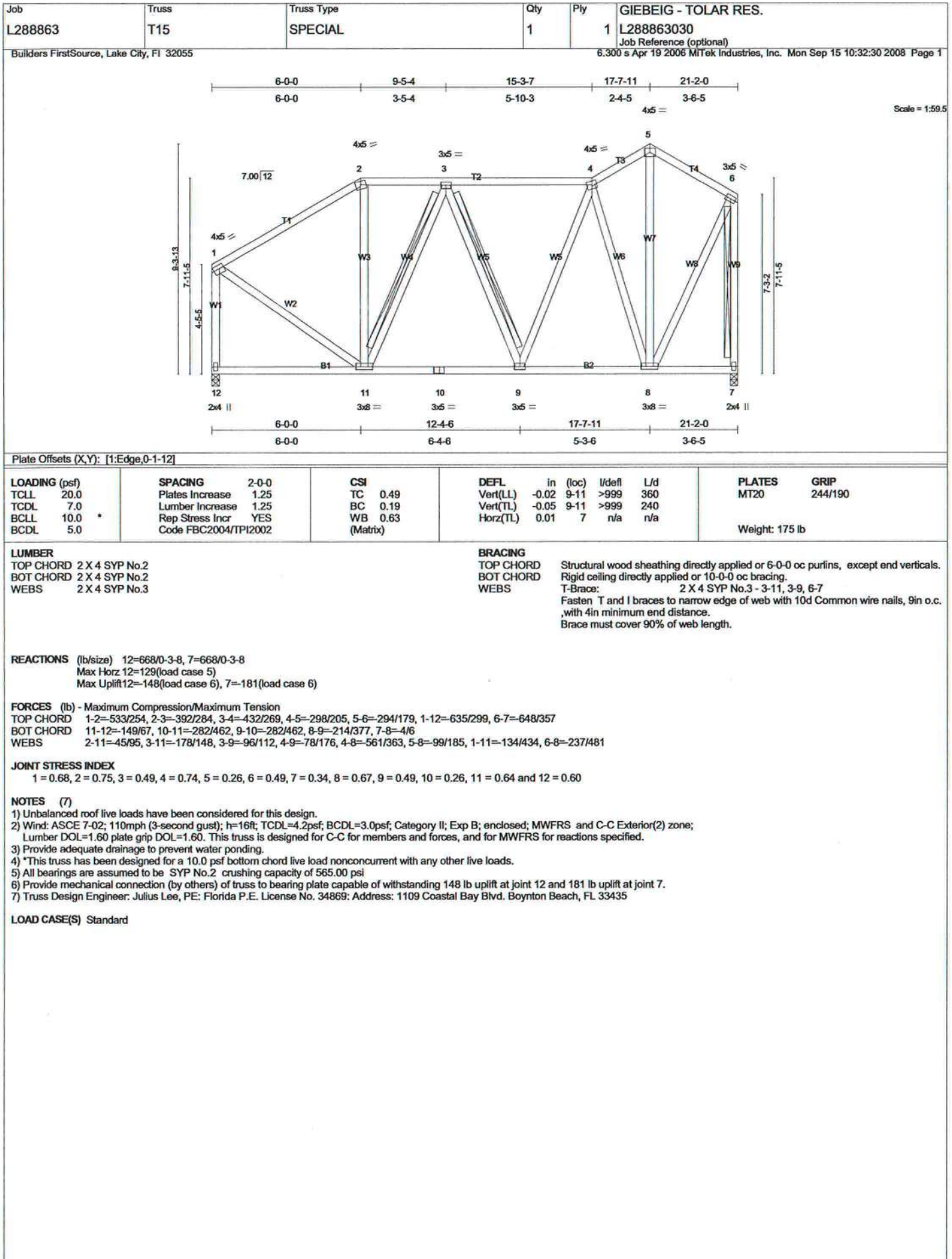
#### JOINT STRESS INDEX

2 = 0.79, 3 = 0.34, 4 = 0.72, 5 = 0.42, 6 = 0.41, 7 = 0.59, 8 = 0.31, 9 = 0.54, 10 = 0.39, 11 = 0.87, 12 = 0.80, 13 = 0.33 and 14 = 0.58

#### NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone;  
Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 2 and 216 lb uplift at joint 10.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



|                       |                     |                               |                 |                 |                                                                              |
|-----------------------|---------------------|-------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T16</b> | Truss Type<br><b>MONO HIP</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863031</b><br>Job Reference (optional) |
|-----------------------|---------------------|-------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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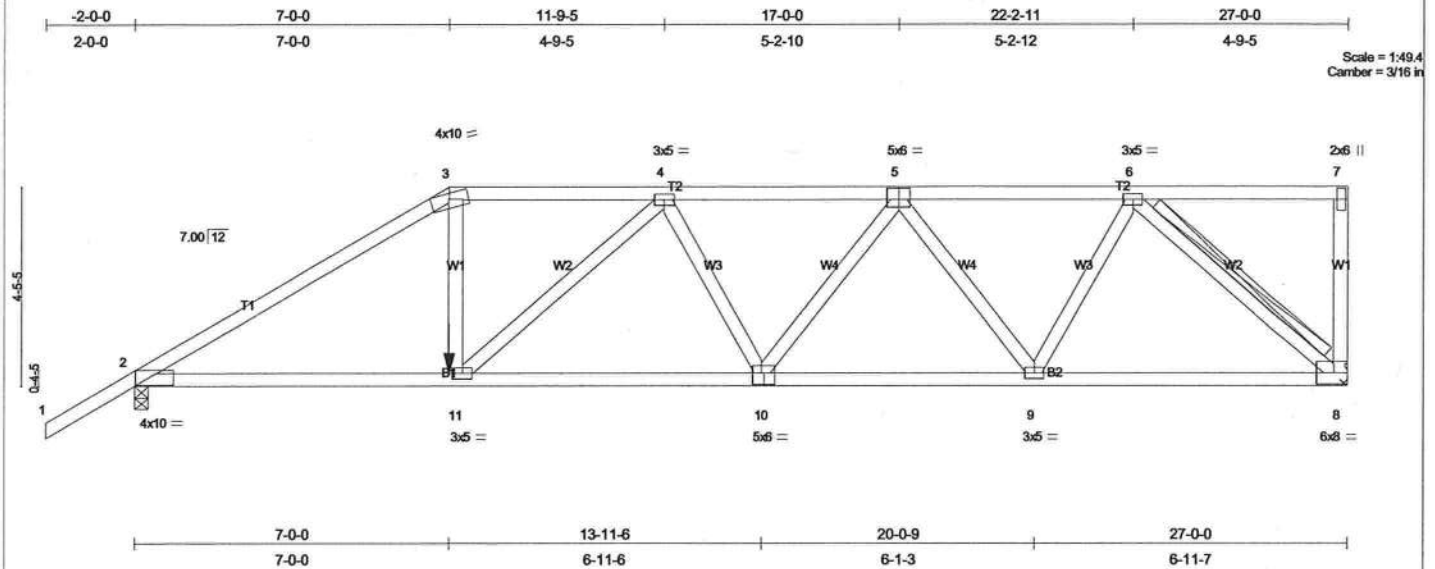


Plate Offsets (X,Y): [2-0-0-5,Edge], [5-0-3-0,0-3-0], [10-0-3-0,0-3-0]

|                      |                      |            |                      |               |            |                |             |
|----------------------|----------------------|------------|----------------------|---------------|------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) | <b>L/defl</b> | <b>L/d</b> | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.49    | Vert(LL) 0.16 10-11  | >999          | 360        | MT20           | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.67    | Vert(TL) -0.33 10-11 | >974          | 240        |                |             |
| BCLL 10.0            | Rep Stress Incr NO   | WB 0.62    | Horz(TL) 0.12 8      | n/a           | n/a        |                |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                      |               |            |                |             |
|                      |                      |            |                      |               |            | Weight: 142 lb |             |

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                                   |
| TOP CHORD 2 X 4 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 3-3-10 oc purlins, except end verticals.                 |
| BOT CHORD 2 X 4 SYP No.2 | Rigid ceiling directly applied or 5-4-2 oc bracing.                                                              |
| WEBS 2 X 4 SYP No.3      | T-Brace: 2 X 4 SYP No.3 - 6-8                                                                                    |
|                          | Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance. |
|                          | Brace must cover 90% of web length.                                                                              |

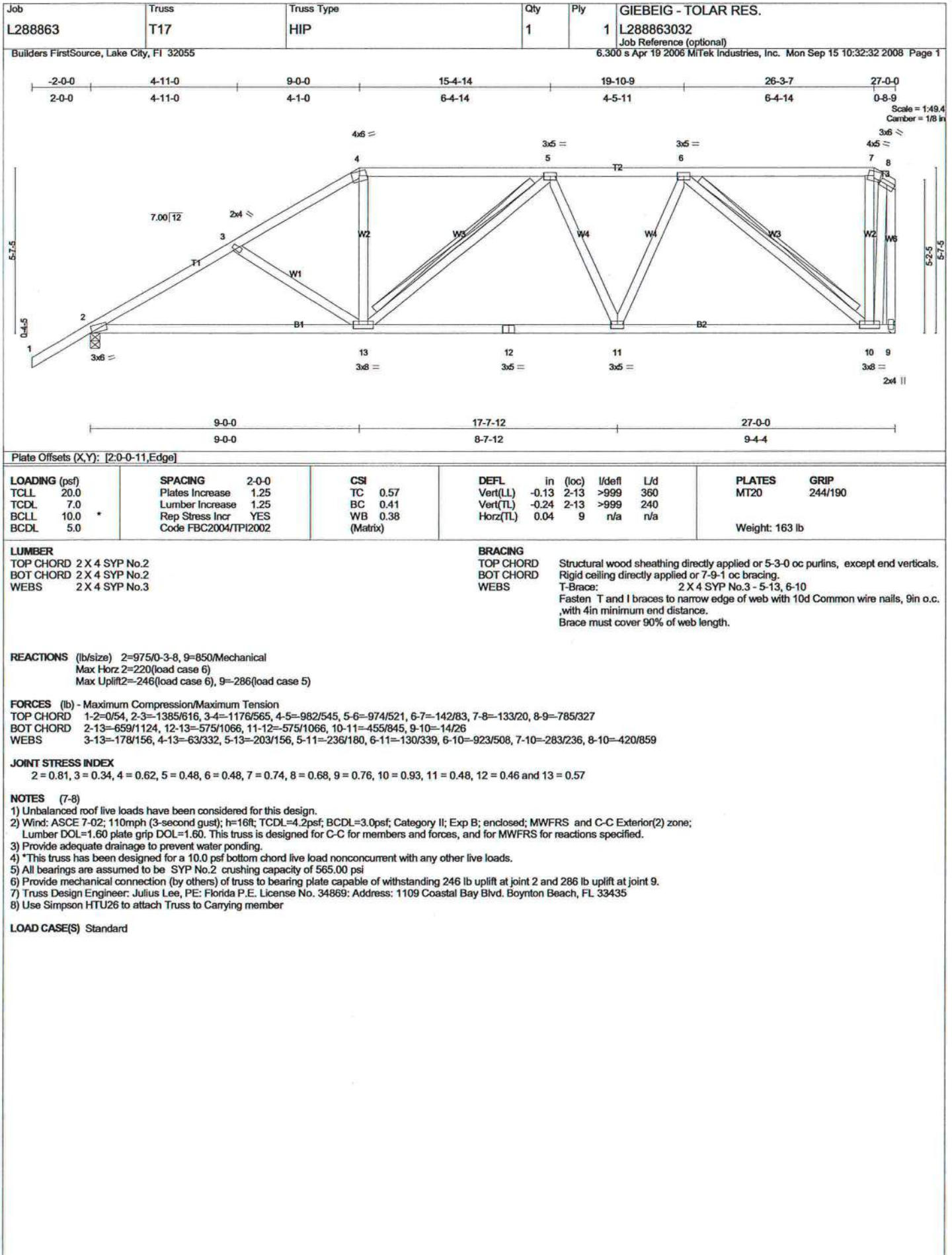
**REACTIONS** (lb/size) 8=1897/Mechanical, 2=1833/0-3-8  
Max Horz 2=191 (load case 5)  
Max Uplift 8=869 (load case 3), 2=721 (load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=3030/1244, 3-4=2554/1117, 4-5=3083/1347, 5-6=2314/1020, 6-7=53/13, 7-8=247/159  
BOT CHORD 2-11=1103/2516, 10-11=1398/3119, 9-10=1333/2928, 8-9=846/1806  
WEBS 3-11=483/1039, 4-11=760/506, 4-10=77/146, 5-10=58/261, 5-9=1037/530, 6-9=376/1096, 6-8=2354/1118

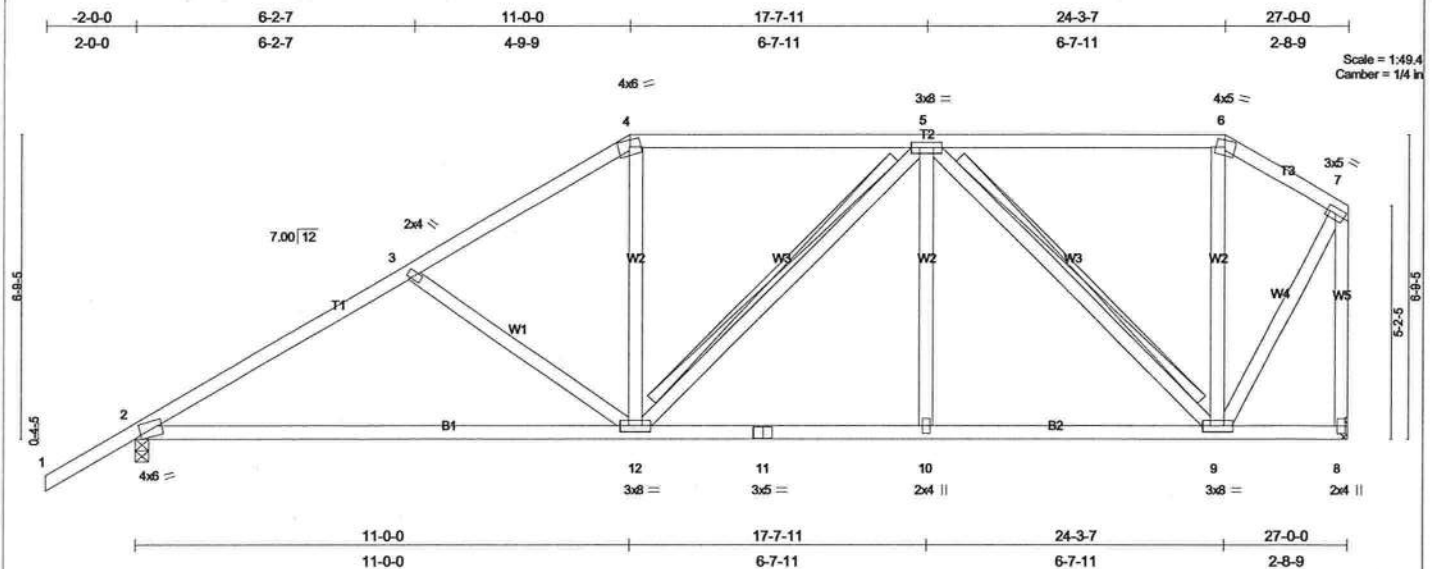
**JOINT STRESS INDEX**  
2 = 0.84, 3 = 0.76, 4 = 0.45, 5 = 0.69, 6 = 0.89, 7 = 0.75, 8 = 0.40, 9 = 0.89, 10 = 0.75 and 11 = 0.78

- NOTES** (8-9)
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
  - 2) Provide adequate drainage to prevent water ponding.
  - 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 869 lb uplift at joint 8 and 721 lb uplift at joint 2.
  - 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 232 lb up at 7-0-0 on bottom chord.  
The design/selection of such connection device(s) is the responsibility of others.
  - 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
  - 8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
  - 9) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard  
1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=54, 3-7=118(F=64), 2-11=10, 8-11=22(F=12)  
Concentrated Loads (lb)  
Vert: 11=411(F)



|                                           |                     |                          |                                                                            |                 |                                                                              |
|-------------------------------------------|---------------------|--------------------------|----------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b>                     | Truss<br><b>T18</b> | Truss Type<br><b>HIP</b> | Qty<br><b>1</b>                                                            | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863033</b><br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |                     |                          | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:33 2008 Page 1 |                 |                                                                              |



|                                      |                      |            |                              |               |             |
|--------------------------------------|----------------------|------------|------------------------------|---------------|-------------|
| Plate Offsets (X,Y): [2-0-1-10,Edge] |                      |            |                              |               |             |
| <b>LOADING</b> (psf)                 | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b>                  | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0                            | Plates Increase 1.25 | TC 0.43    | in (loc) l/defl L/d          | MT20          | 244/190     |
| TCDL 7.0                             | Lumber Increase 1.25 | BC 0.60    | Vert(LL) -0.30 2-12 >999 360 |               |             |
| BCLL 10.0                            | Rep Stress Incr YES  | WB 0.34    | Vert(TL) -0.55 2-12 >581 240 |               |             |
| BCDL 5.0                             | Code FBC2004/TPI2002 | (Matrix)   | Horz(TL) 0.04 8 n/a n/a      |               |             |
| Weight: 165 lb                       |                      |            |                              |               |             |

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>            | <b>BRACING</b>                                                                                                   |
| TOP CHORD 2 X 4 SYP No.2 | TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals.                 |
| BOT CHORD 2 X 4 SYP No.2 | Rigid ceiling directly applied or 6-0-0 oc bracing.                                                              |
| WEBS 2 X 4 SYP No.3      | T-Brace: 2 X 4 SYP No.3 - 5-12, 5-9                                                                              |
|                          | Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance. |
|                          | Brace must cover 90% of web length.                                                                              |

**REACTIONS** (lb/size) 2=975/0-3-8, 8=850/Mechanical  
Max Horz 2=234(load case 6)  
Max Uplift 2=257(load case 6), 8=211(load case 5)

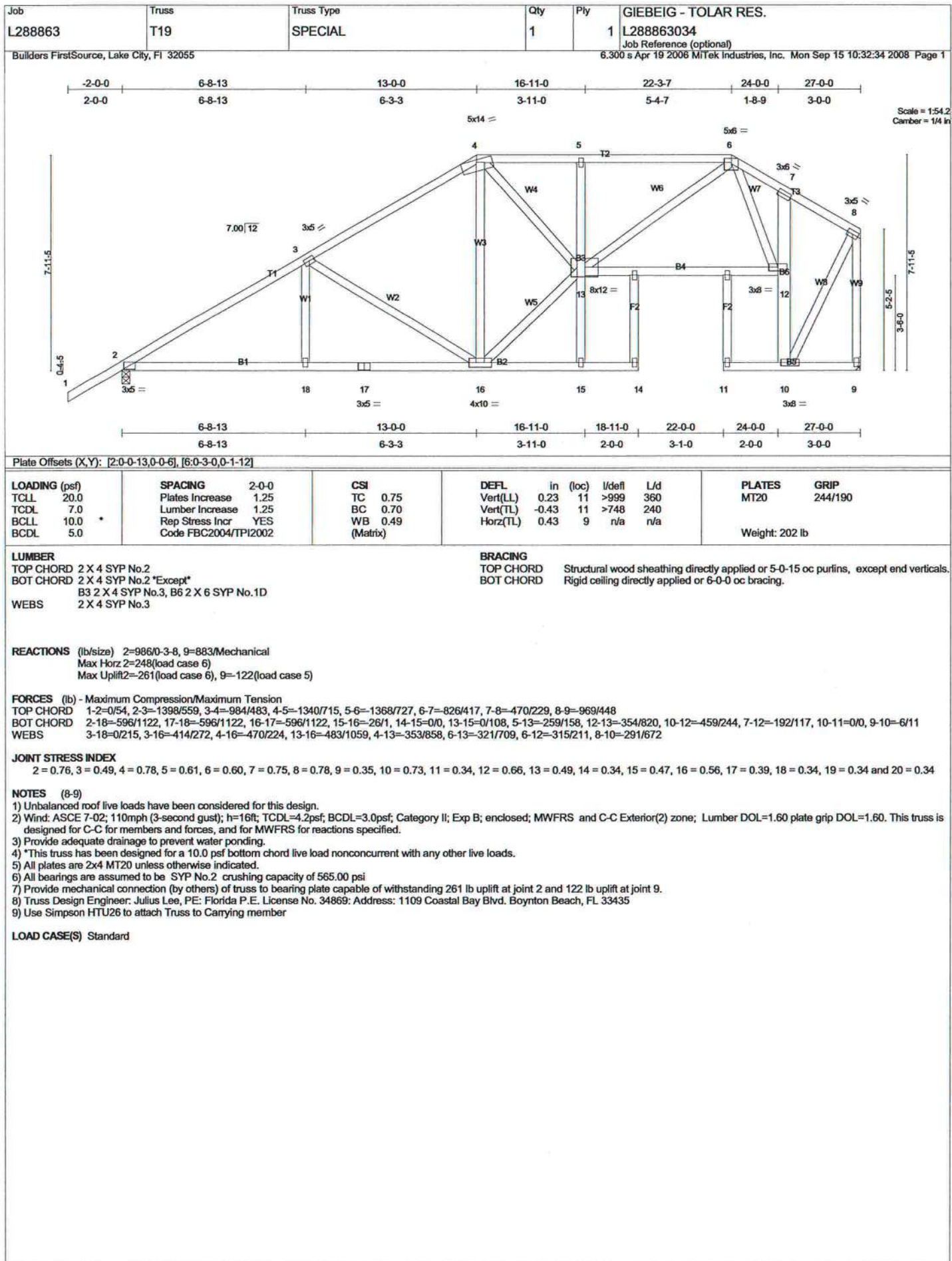
**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=1350/603, 3-4=1076/531, 4-5=876/516, 5-6=343/234, 6-7=400/220, 7-8=844/432  
BOT CHORD 2-12=634/1088, 11-12=428/826, 10-11=428/826, 9-10=428/826, 8-9=2/3  
WEBS 3-12=267/227, 4-12=49/299, 5-12=60/136, 5-10=0/160, 5-9=692/367, 6-9=108/89, 7-9=351/716

**JOINT STRESS INDEX**  
2 = 0.80, 3 = 0.34, 4 = 0.60, 5 = 0.57, 6 = 0.69, 7 = 0.58, 8 = 0.34, 9 = 0.80, 10 = 0.34, 11 = 0.28 and 12 = 0.57

#### NOTES (7-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 2 and 211 lb uplift at joint 8.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard



|                |              |                       |          |          |                                                                |
|----------------|--------------|-----------------------|----------|----------|----------------------------------------------------------------|
| Job<br>L288863 | Truss<br>T20 | Truss Type<br>SPECIAL | Qty<br>1 | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863035<br>Job Reference (optional) |
|----------------|--------------|-----------------------|----------|----------|----------------------------------------------------------------|

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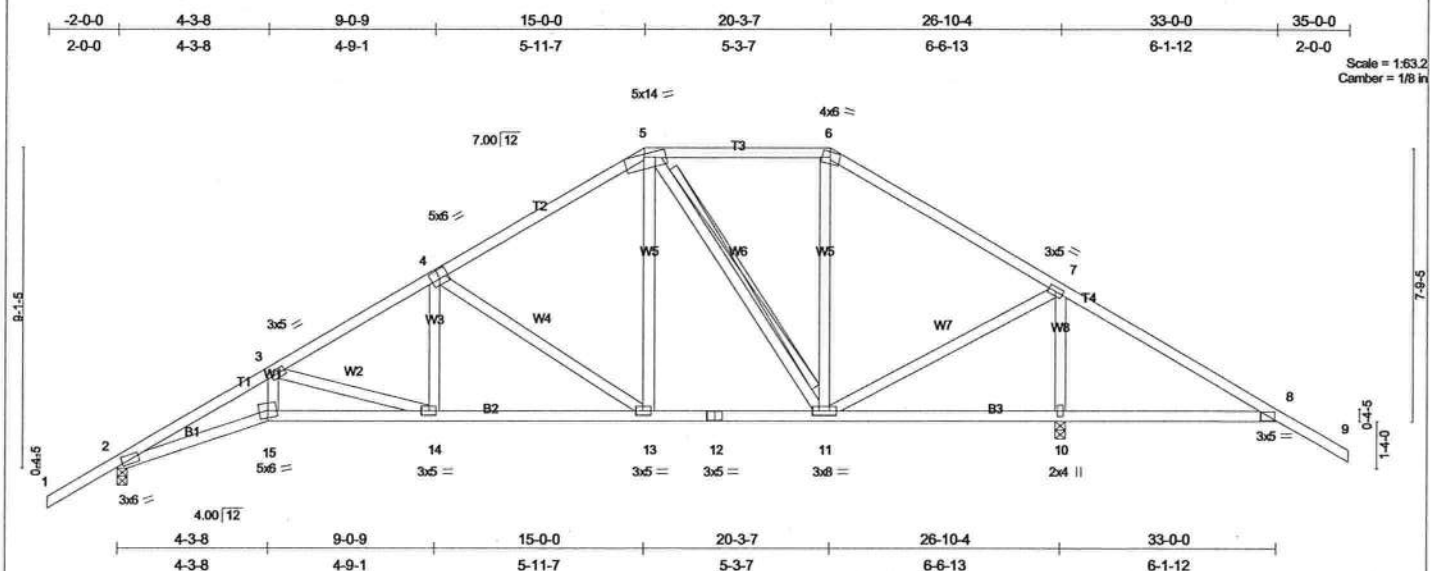


Plate Offsets (X,Y): [4:0-3-0,0-3-0]

|                      |                      |            |                               |                |             |
|----------------------|----------------------|------------|-------------------------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | 2-0-0                | TC 0.38    | in (loc) l/defl L/d           | MT20           | 244/190     |
| TCCL 7.0             | Plates Increase 1.25 | BC 0.52    | Vert(LL) -0.13 14-15 >999 360 |                |             |
| BCCL 10.0            | Lumber Increase 1.25 | WB 0.59    | Vert(TL) -0.25 14-15 >999 240 |                |             |
| BCDL 5.0             | Rep Stress Incr YES  | (Matrix)   | Horz(TL) 0.13 10 n/a n/a      |                |             |
|                      | Code FBC2004/TPI2002 |            |                               | Weight: 187 lb |             |

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 5-11  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
Brace must cover 90% of web length.

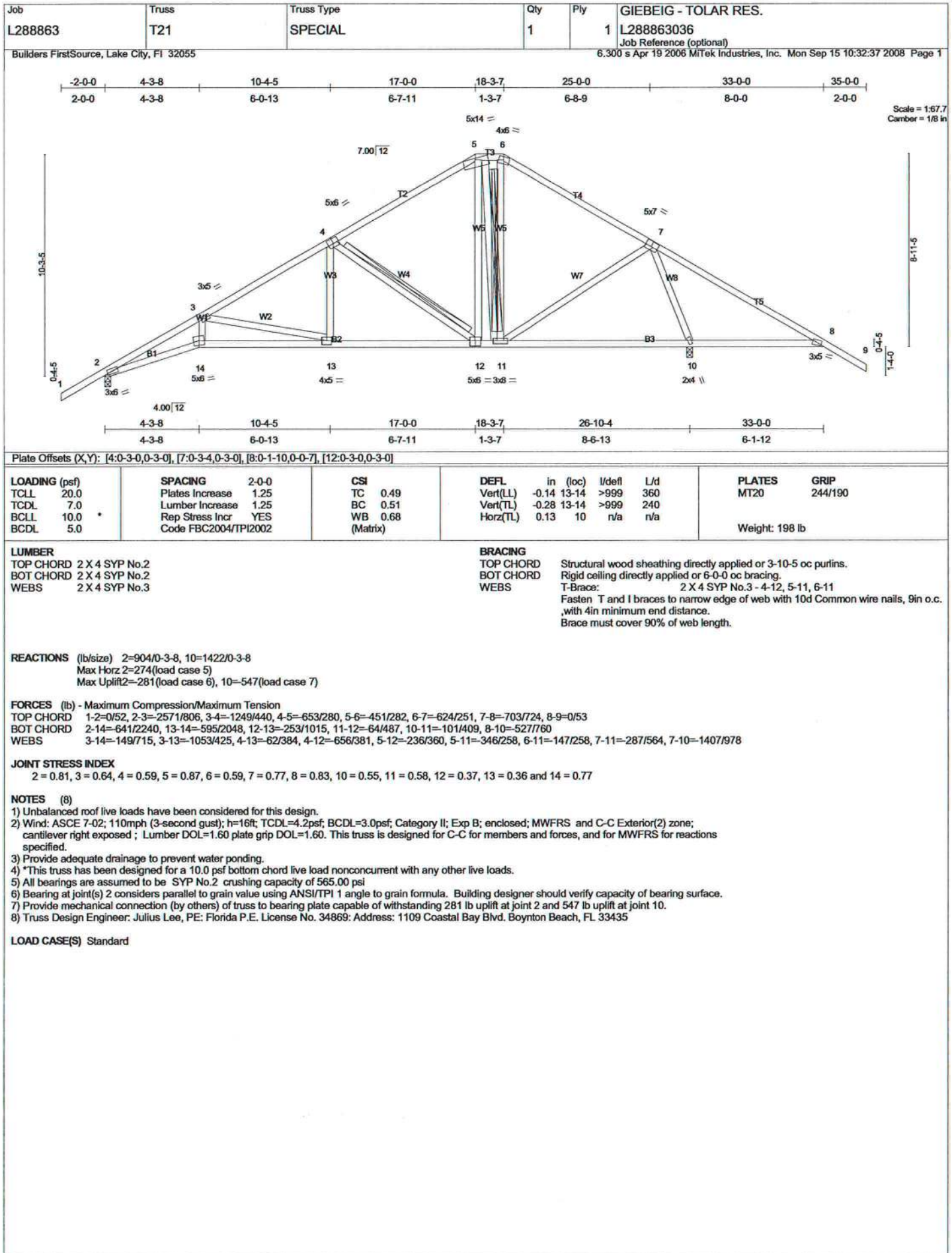
**REACTIONS** (lb/size) 2=901/0-3-8, 10=1425/0-3-8  
Max Horz 2=241(load case 5)  
Max Uplift 2=276(load case 6), 10=528(load case 7)  
Max Grav 2=918(load case 10), 10=1425(load case 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/52, 2-3=2594/795, 3-4=1389/491, 4-5=832/331, 5-6=430/211, 6-7=551/170, 7-8=656/639, 8-9=0/53  
BOT CHORD 2-15=671/2255, 14-15=615/2062, 13-14=317/1161, 12-13=158/658, 11-12=158/658, 10-11=472/698, 8-10=472/698  
WEBS 3-15=1777/112, 3-14=930/349, 4-14=68/367, 4-13=615/342, 5-13=164/403, 5-11=402/248, 6-11=186/140, 7-11=581/984, 7-10=1342/930

**JOINT STRESS INDEX**  
2 = 0.82, 3 = 0.63, 4 = 0.44, 5 = 0.92, 6 = 0.60, 7 = 0.65, 8 = 0.59, 10 = 0.53, 11 = 0.93, 12 = 0.23, 13 = 0.40, 14 = 0.40 and 15 = 0.79

- NOTES** (8)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 2 and 528 lb uplift at joint 10.
  - 8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard



|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T22</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863037</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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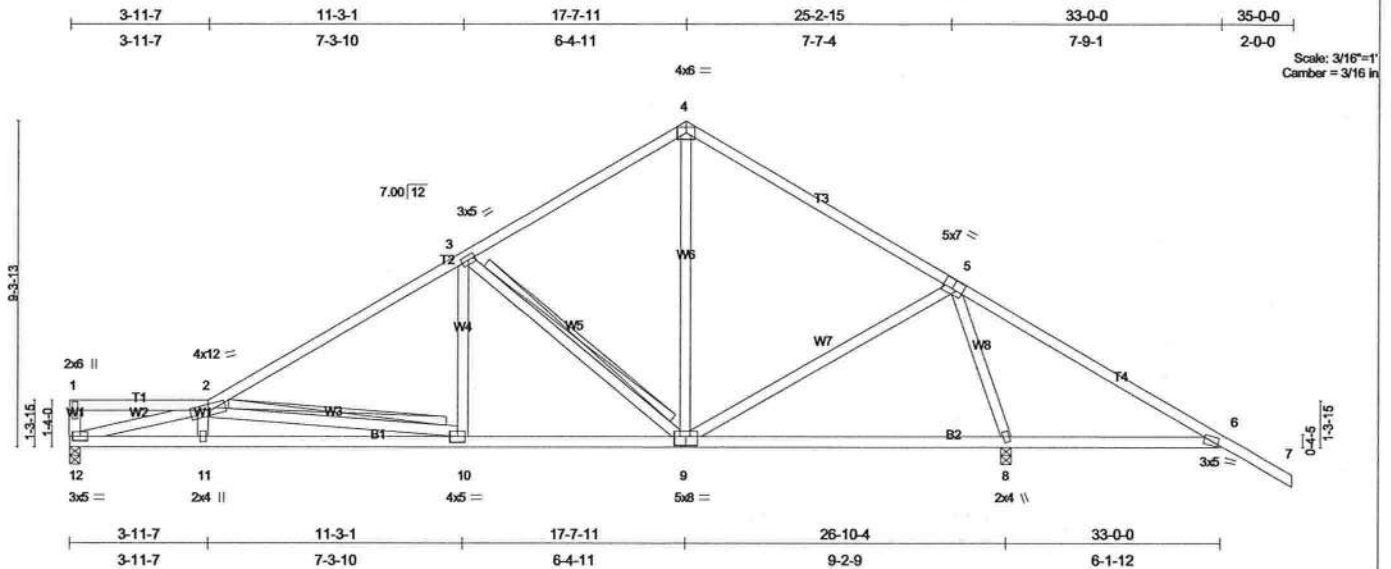


Plate Offsets (X,Y): [5:0-3-4,0-3-4], [6:0-1-2,0-0-7], [9:0-4-0,0-3-0]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc)    | l/defl | L/d | PLATES         | GRIP    |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|----------------|---------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.53  | Vert(LL) | -0.18 10-11 | >999   | 360 | MT20           | 244/190 |
| TCCL 7.0      | Lumber Increase      | 1.25  | BC 0.61  | Vert(TL) | -0.38 10-11 | >843   | 240 |                |         |
| BCCL 10.0     | Rep Stress Incr      | YES   | WB 0.65  | Horz(TL) | 0.06 8      | n/a    | n/a |                |         |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |             |        |     |                |         |
|               |                      |       |          |          |             |        |     | Weight: 179 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-7 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 2-10, 3-9  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 12=783/0-3-8, 8=1427/0-3-8  
Max Horz 12=270(load case 4)  
Max Uplift 12=193(load case 6), 8=549(load case 7)

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

TOP CHORD 1-12=105/65, 1-2=189/65, 2-3=1200/436, 3-4=623/280, 4-5=644/268, 5-6=698/706, 6-7=0/53  
BOT CHORD 11-12=889/2454, 10-11=899/2456, 9-10=231/960, 8-9=133/430, 6-8=511/752  
WEBS 2-12=2346/977, 2-11=16/145, 2-10=1510/751, 3-10=83/363, 3-9=664/405, 4-9=88/313, 5-9=317/599, 5-8=1391/982

#### JOINT STRESS INDEX

1 = 0.58, 2 = 0.96, 3 = 0.49, 4 = 0.70, 5 = 0.75, 6 = 0.80, 8 = 0.54, 9 = 0.46, 10 = 0.52, 11 = 0.34 and 12 = 0.86

#### NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 12 and 549 lb uplift at joint 8.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T23</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863038</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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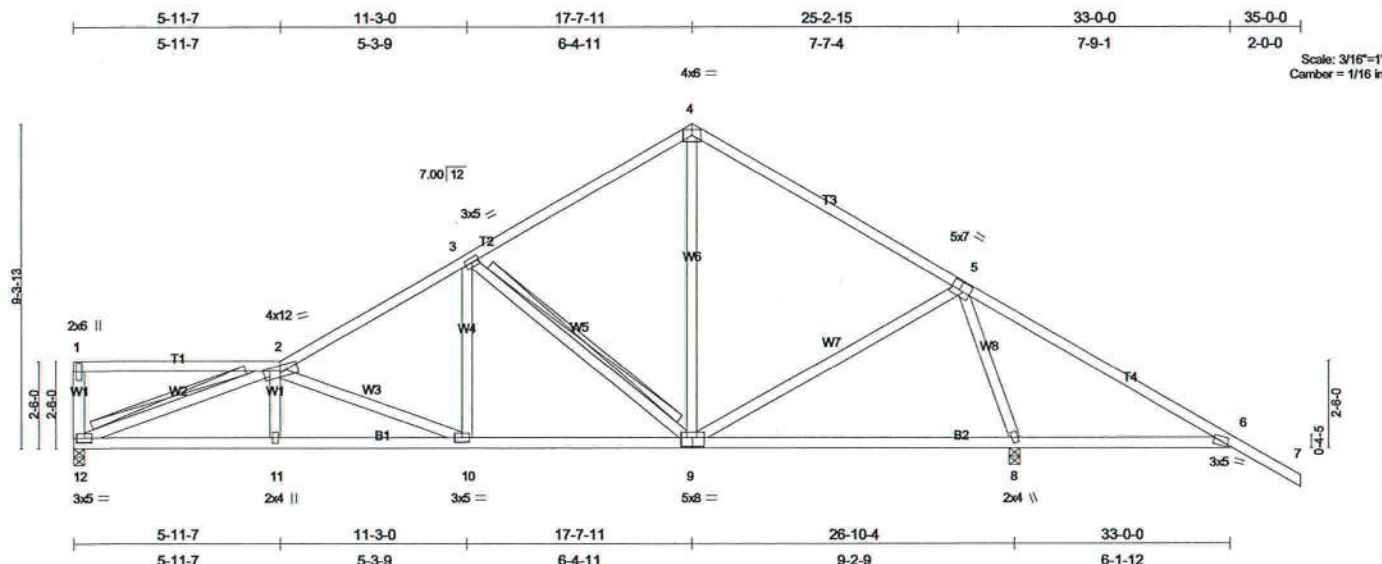


Plate Offsets (X,Y): [5-0-3-0,0-3-0], [6-0-1-2,0-0-7], [9-0-4-0,0-3-0]

|                      |                      |            |                             |                |             |
|----------------------|----------------------|------------|-----------------------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                 | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | 2-0-0                | TC 0.55    | in (loc) l/defl L/d         | MT20           | 244/190     |
| TCDL 7.0             | Plates Increase 1.25 | BC 0.45    | Vert(LL) -0.13 8-9 >999 360 |                |             |
| BCLL 10.0            | Lumber Increase 1.25 | WB 0.57    | Vert(TL) -0.23 8-9 >999 240 |                |             |
| BCDL 5.0             | Rep Stress Incr YES  | (Matrix)   | Horz(TL) 0.04 8 n/a n/a     |                |             |
|                      | Code FBC2004/TPI2002 |            |                             | Weight: 182 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 2-12, 3-9  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 12=783/0-3-8, 8=1427/0-3-8  
Max Horz 12=269(load case 4)  
Max Uplift 12=196(load case 6), 8=548(load case 7)

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

TOP CHORD 1-12=165/110, 1-2=100/46, 2-3=1149/440, 3-4=617/272, 4-5=647/267, 5-6=699/707, 6-7=0/53  
BOT CHORD 11-12=477/1621, 10-11=480/1619, 9-10=215/934, 8-9=133/432, 6-8=513/753  
WEBS 2-12=1628/643, 2-11=0/159, 2-10=741/373, 3-10=124/361, 3-9=626/379, 4-9=75/308, 5-9=319/605, 5-8=1393/980

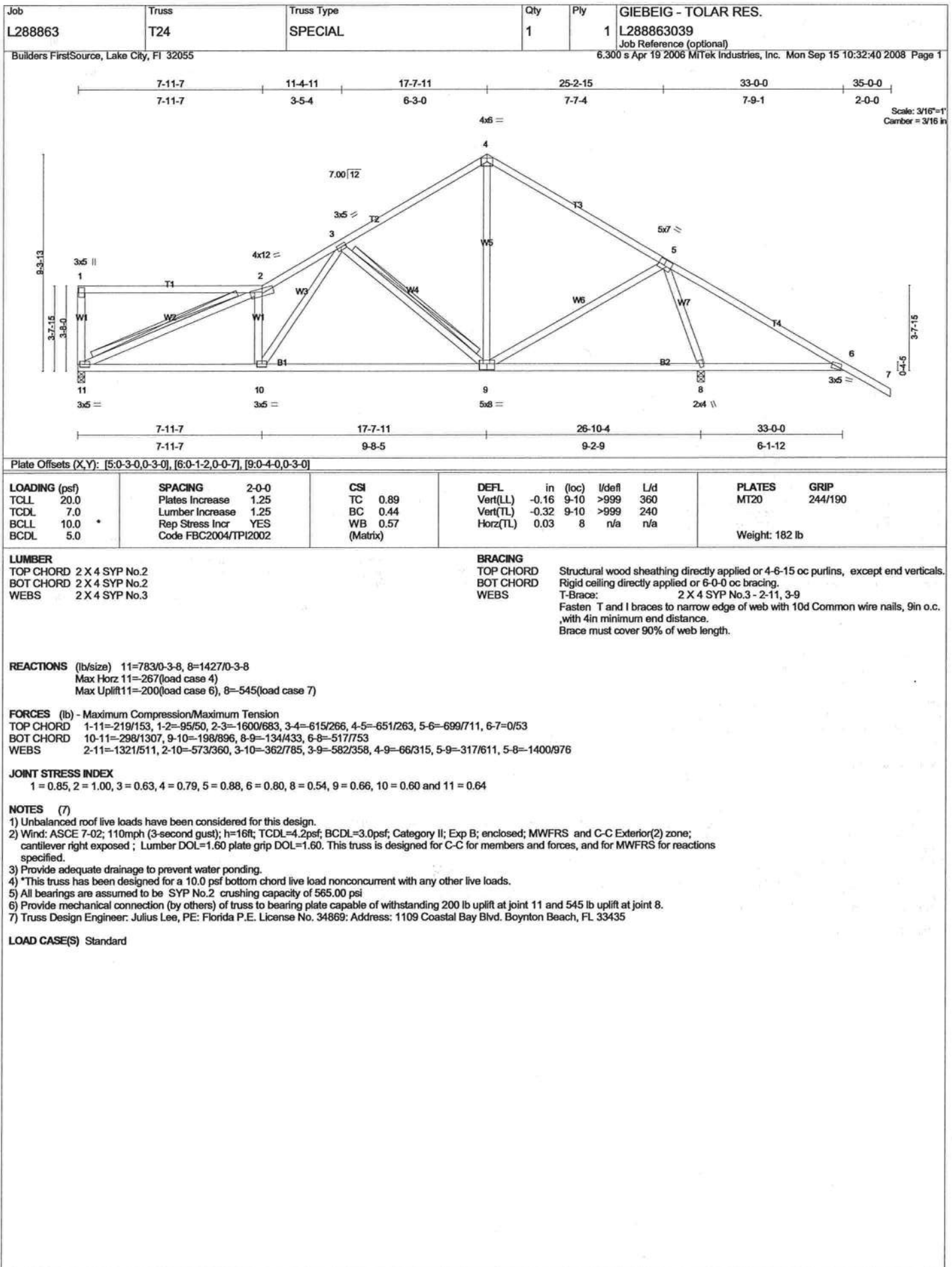
#### JOINT STRESS INDEX

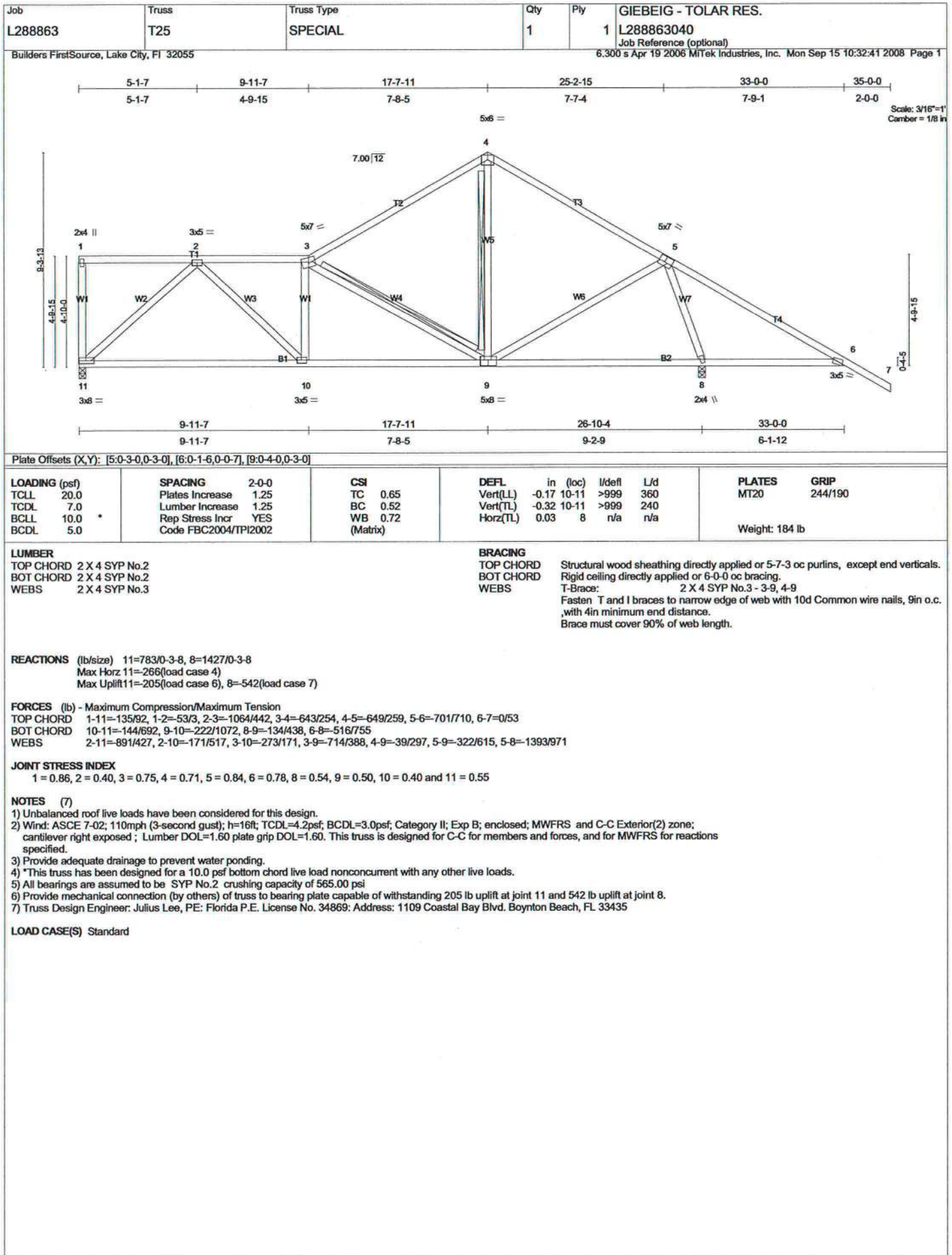
1 = 0.85, 2 = 0.71, 3 = 0.49, 4 = 0.77, 5 = 0.88, 6 = 0.81, 8 = 0.54, 9 = 0.49, 10 = 0.40, 11 = 0.34 and 12 = 0.58

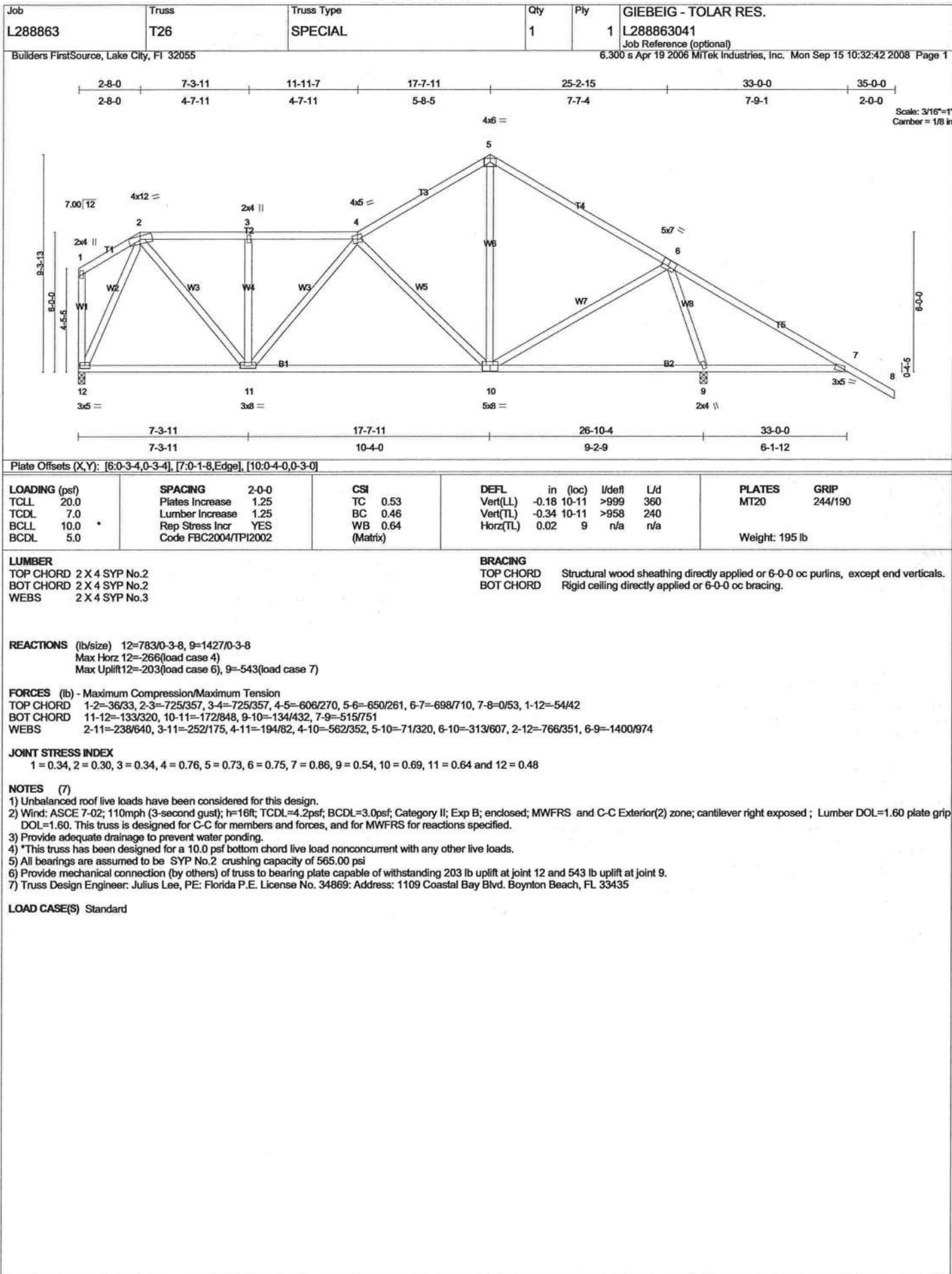
#### NOTES (7)

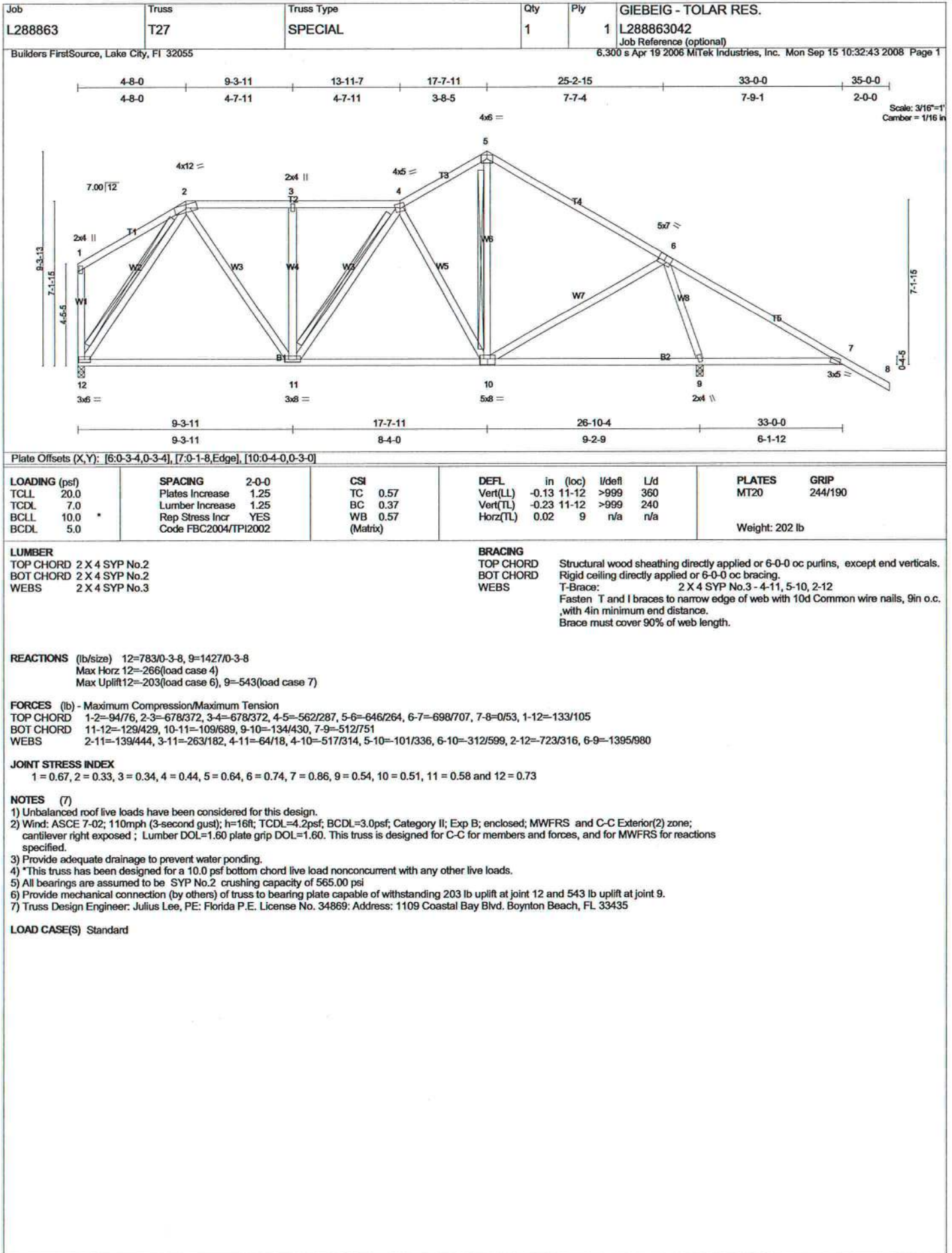
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 12 and 548 lb uplift at joint 8.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard









|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T28</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>1</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863043</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

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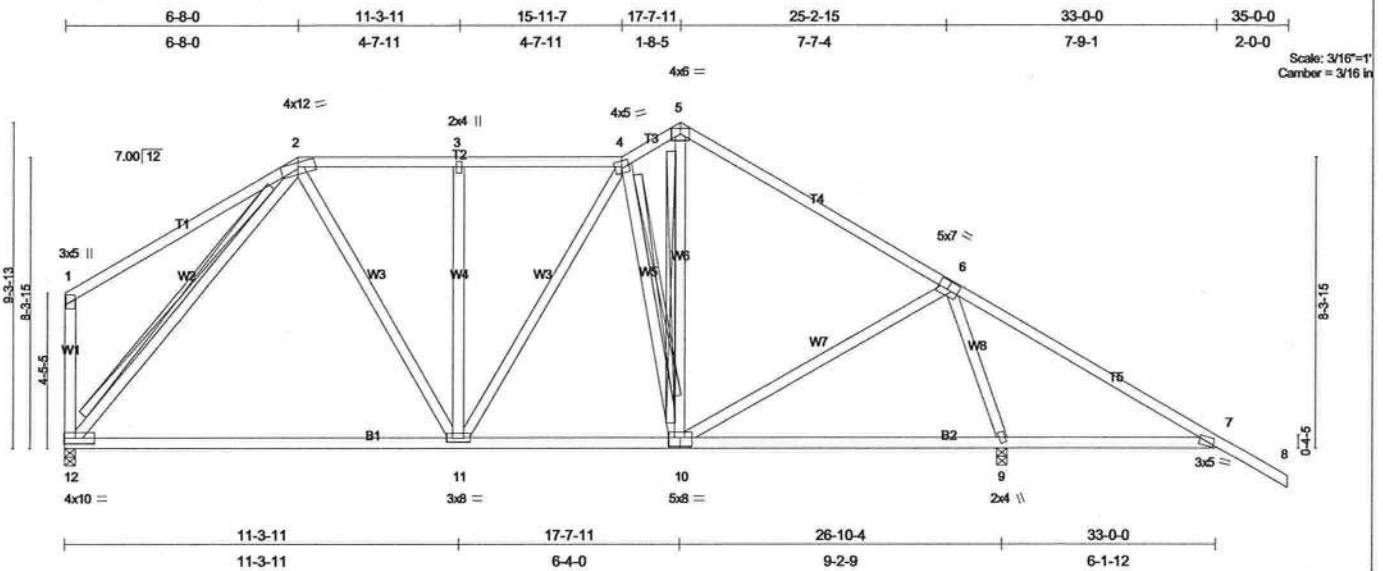


Plate Offsets (X,Y): [6:0-3-4,0-3-0], [7:0-1-2,0-0-7], [10:0-4-0,0-3-0]

|                      |                      |            |                      |               |            |                |             |
|----------------------|----------------------|------------|----------------------|---------------|------------|----------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) | <b>l/defl</b> | <b>L/d</b> | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.96    | Vert(LL) -0.30 11-12 | >999          | 360        | MT20           | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.53    | Vert(TL) -0.53 11-12 | >608          | 240        |                |             |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.57    | Horz(TL) 0.02 9      | n/a           | n/a        |                |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                      |               |            |                |             |
|                      |                      |            |                      |               |            | Weight: 211 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
WEBS T-Brace: 2 X 4 SYP No.3 - 4-10, 5-10, 2-12  
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 12=783/0-3-8, 9=1427/0-3-8  
Max Horz 12=265(load case 4)  
Max Uplift 12=203(load case 6), 9=543(load case 7)

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

TOP CHORD 1-2=158/128, 2-3=612/370, 3-4=612/370, 4-5=498/290, 5-6=644/269, 6-7=699/706, 7-8=0/53, 1-12=209/166  
BOT CHORD 11-12=119/480, 10-11=53/551, 9-10=135/430, 7-9=511/753  
WEBS 2-11=137/297, 3-11=244/166, 4-11=93/132, 4-10=522/270, 5-10=116/377, 6-10=318/600, 2-12=664/266, 6-9=1391/984

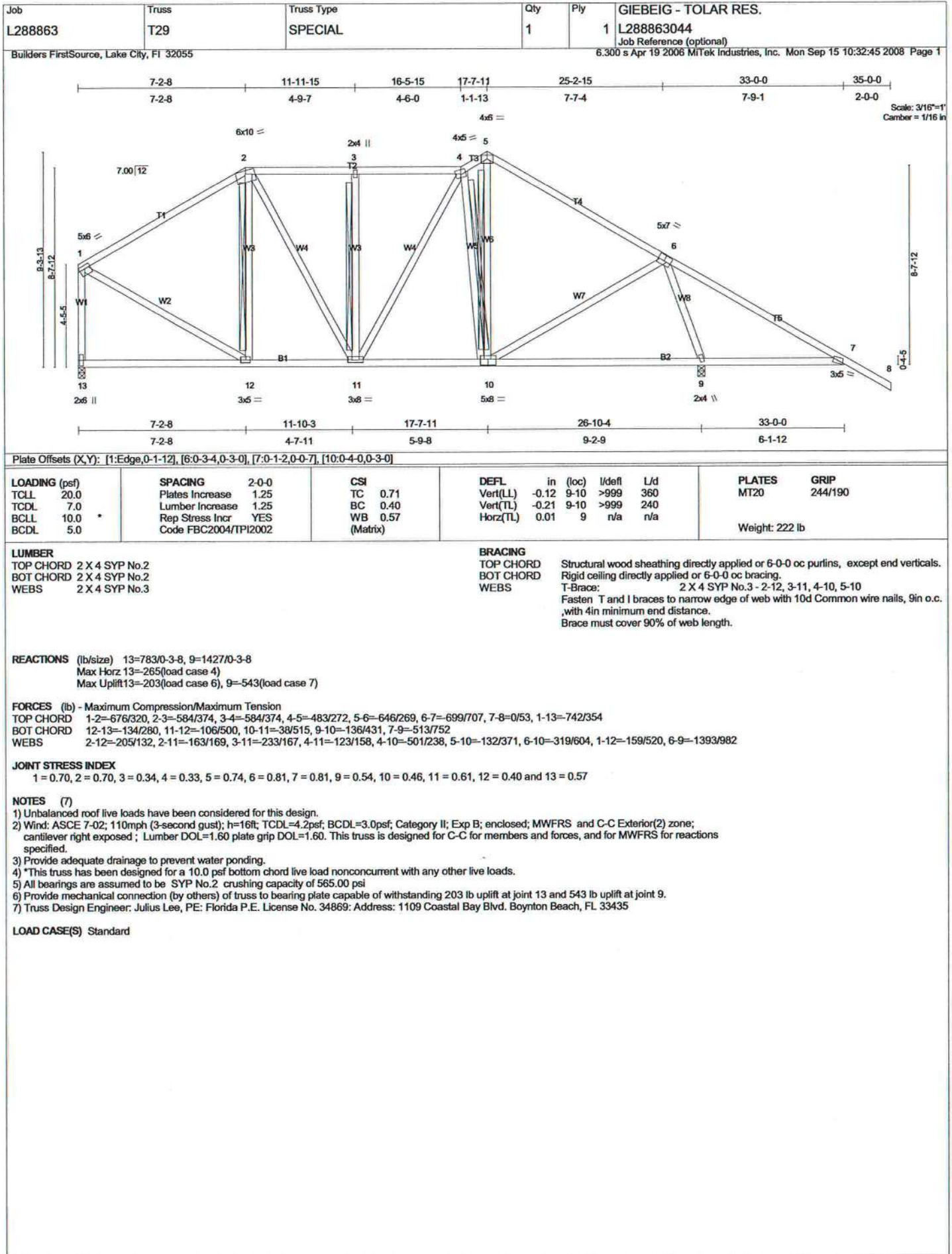
#### JOINT STRESS INDEX

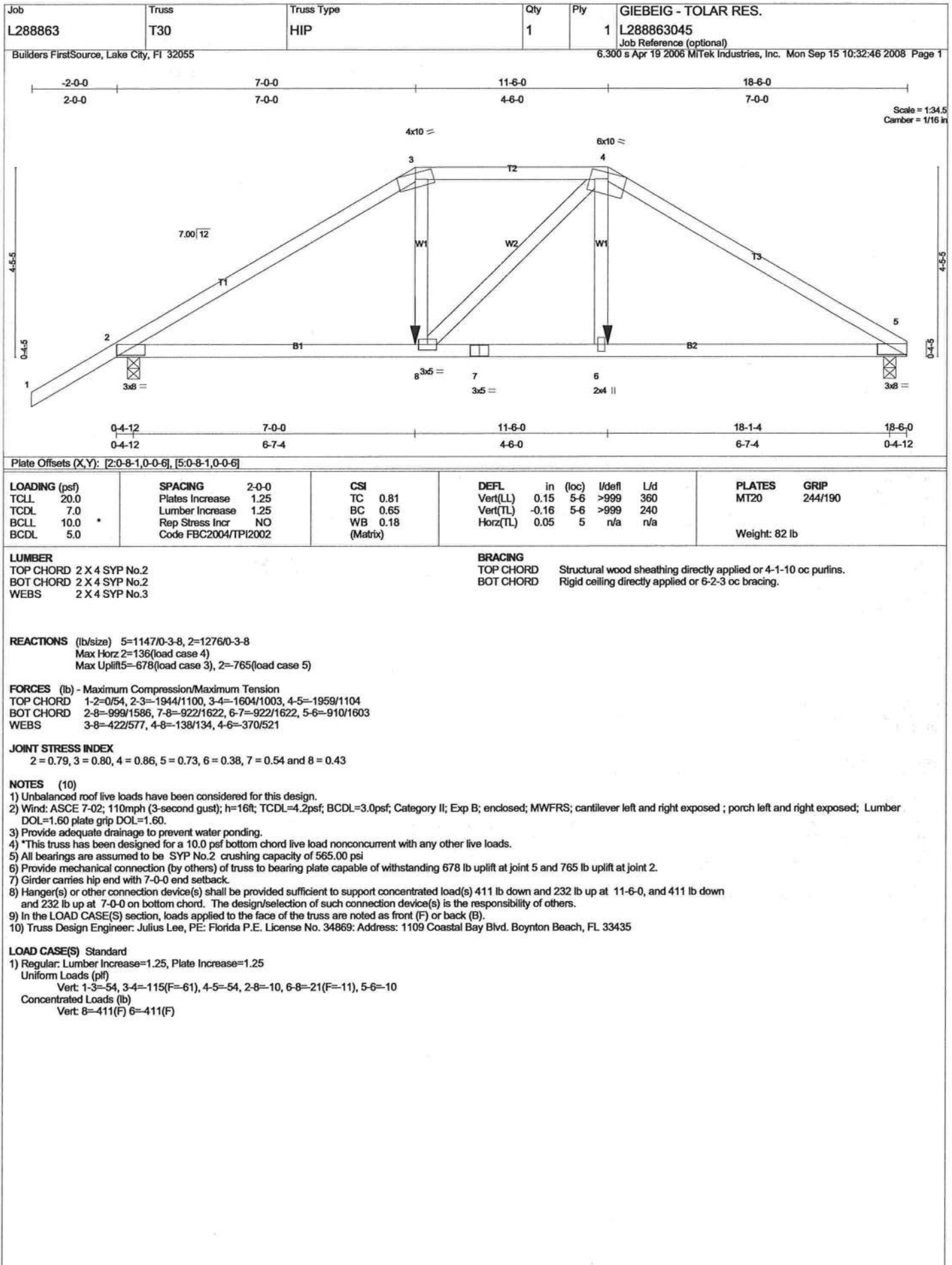
1 = 0.54, 2 = 0.59, 3 = 0.34, 4 = 0.34, 5 = 0.69, 6 = 0.81, 7 = 0.81, 9 = 0.54, 10 = 0.45, 11 = 0.60 and 12 = 0.58

#### NOTES (7)

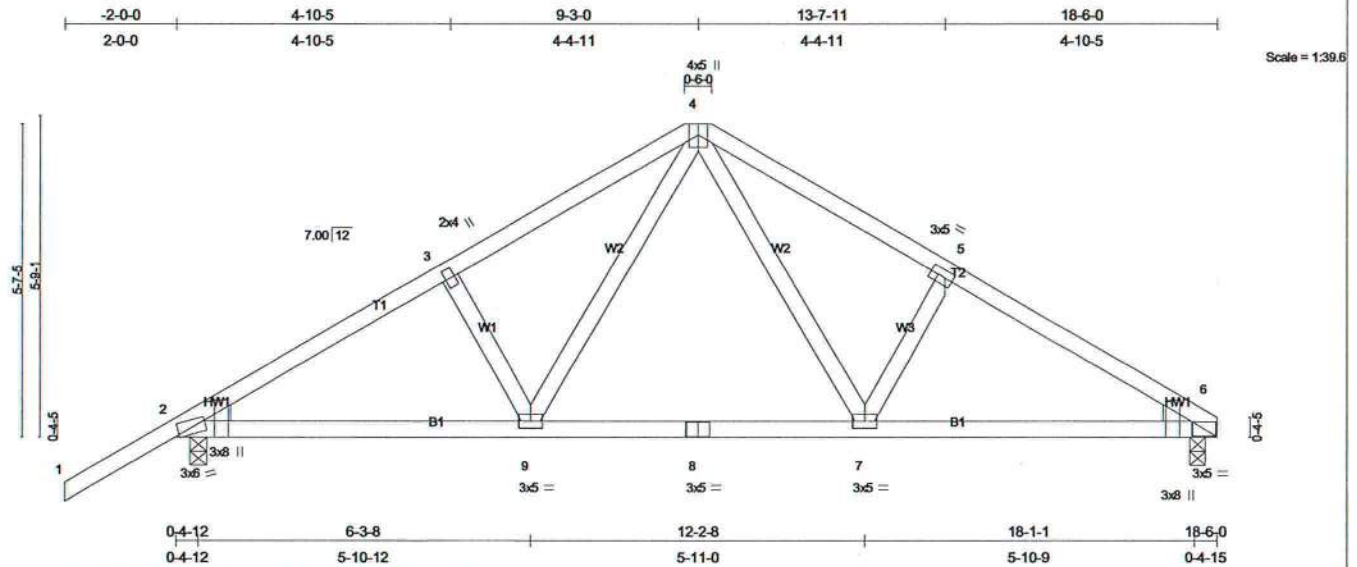
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing chord live load of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 12 and 543 lb uplift at joint 9.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard





|                                           |                     |                             |                                                                            |                 |                                                                              |
|-------------------------------------------|---------------------|-----------------------------|----------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b>                     | Truss<br><b>T31</b> | Truss Type<br><b>COMMON</b> | Qty<br><b>1</b>                                                            | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863046</b><br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |                     |                             | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:47 2008 Page 1 |                 |                                                                              |



|                                                                                      |                      |            |                             |               |             |
|--------------------------------------------------------------------------------------|----------------------|------------|-----------------------------|---------------|-------------|
| Plate Offsets (X,Y): [2:0-0-11,Edge], [2:0-0-4,Edge], [6:0-0-4,Edge], [6:0-0-4,Edge] |                      |            |                             |               |             |
| <b>LOADING</b> (psf)                                                                 | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                 | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0                                                                            | 2-0-0                | TC 0.59    | in (loc) l/defl L/d         | MT20          | 244/190     |
| TCDL 7.0                                                                             | Plates Increase 1.25 | BC 0.62    | Vert(LL) 0.13 6-7 >999 360  |               |             |
| BCLL 10.0                                                                            | Lumber Increase 1.25 | WB 0.40    | Vert(TL) -0.07 6-7 >999 240 |               |             |
| BCDL 5.0                                                                             | Rep Stress Incr YES  | (Matrix)   | Horz(TL) -0.02 6 n/a n/a    |               |             |
|                                                                                      | Code FBC2004/TPI2002 |            |                             | Weight: 91 lb |             |

|                                             |                                                                           |
|---------------------------------------------|---------------------------------------------------------------------------|
| <b>LUMBER</b>                               | <b>BRACING</b>                                                            |
| TOP CHORD 2 X 4 SYP No.2                    | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. |
| BOT CHORD 2 X 4 SYP No.2                    | BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.             |
| WEBS 2 X 4 SYP No.3                         |                                                                           |
| WEDGE                                       |                                                                           |
| Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3 |                                                                           |

**REACTIONS** (lb/size) 2=705/0-3-8, 6=576/0-3-8  
Max Horz 2=172(load case 5)  
Max Uplift 2=451(load case 6), 6=352(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=890/1100, 3-4=769/1128, 4-5=793/1162, 5-6=913/1132  
BOT CHORD 2-9=871/703, 8-9=529/490, 7-8=529/490, 6-7=910/730  
WEBS 3-9=206/183, 4-9=537/272, 4-7=593/309, 5-7=224/208

**JOINT STRESS INDEX**  
2 = 0.69, 2 = 0.51, 3 = 0.34, 4 = 0.58, 5 = 0.44, 6 = 0.52, 6 = 0.30, 7 = 0.45, 8 = 0.24 and 9 = 0.45

- NOTES** (6)
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 451 lb uplift at joint 2 and 352 lb uplift at joint 6.
  - 6) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

|                                           |              |                      |                                                                            |          |                                                                |
|-------------------------------------------|--------------|----------------------|----------------------------------------------------------------------------|----------|----------------------------------------------------------------|
| Job<br>L288863                            | Truss<br>T32 | Truss Type<br>COMMON | Qty<br>2                                                                   | Ply<br>1 | GIEBEIG - TOLAR RES.<br>L288863047<br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |              |                      | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:47 2008 Page 1 |          |                                                                |

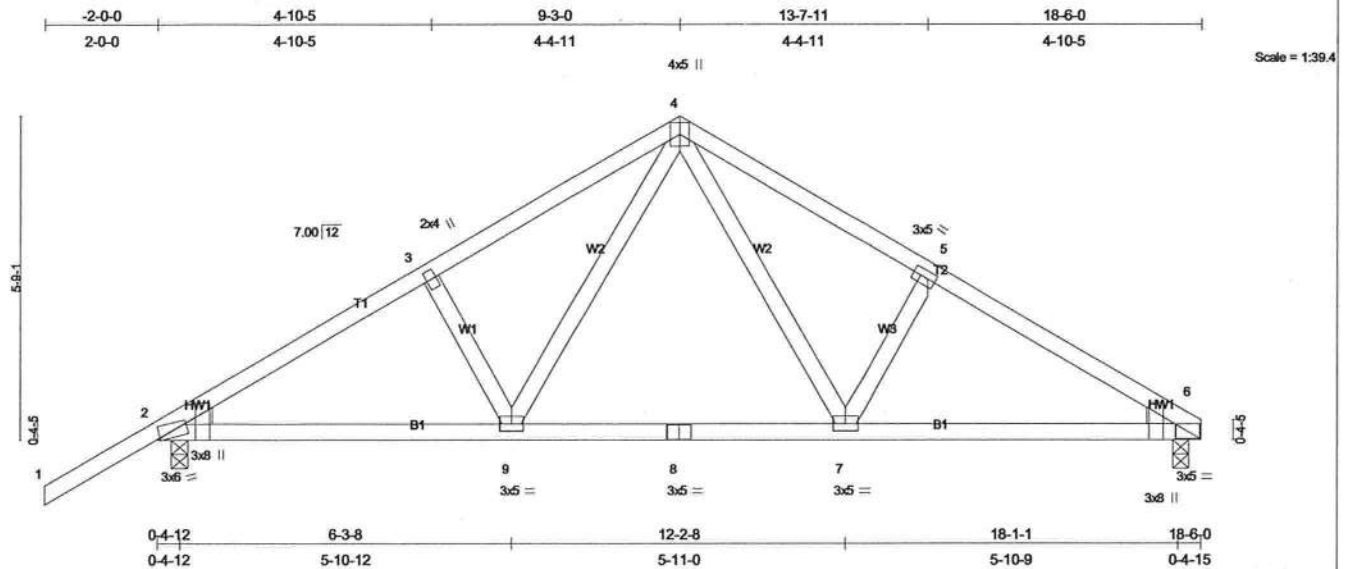


Plate Offsets (X,Y): [2:0-0-11,Edge], [2:0-0-4,Edge], [6:0-0-5,Edge], [6:0-0-4,Edge]

|                      |                      |            |                      |               |            |               |               |
|----------------------|----------------------|------------|----------------------|---------------|------------|---------------|---------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) | <b>l/defl</b> | <b>L/d</b> | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.59    | Vert(LL) 0.13 6-7    | >999          | 360        | MT20          | 244/190       |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.62    | Vert(TL) -0.07 6-7   | >999          | 240        |               |               |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.40    | Horz(TL) -0.02 6     | n/a           | n/a        |               |               |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                      |               |            |               |               |
|                      |                      |            |                      |               |            |               | Weight: 91 lb |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3  
WEDGE  
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.

**REACTIONS** (lb/size) 2=705/0-3-8, 6=576/0-3-8  
Max Horz 2=172(load case 5)  
Max Uplift 2=451(load case 6), 6=352(load case 7)

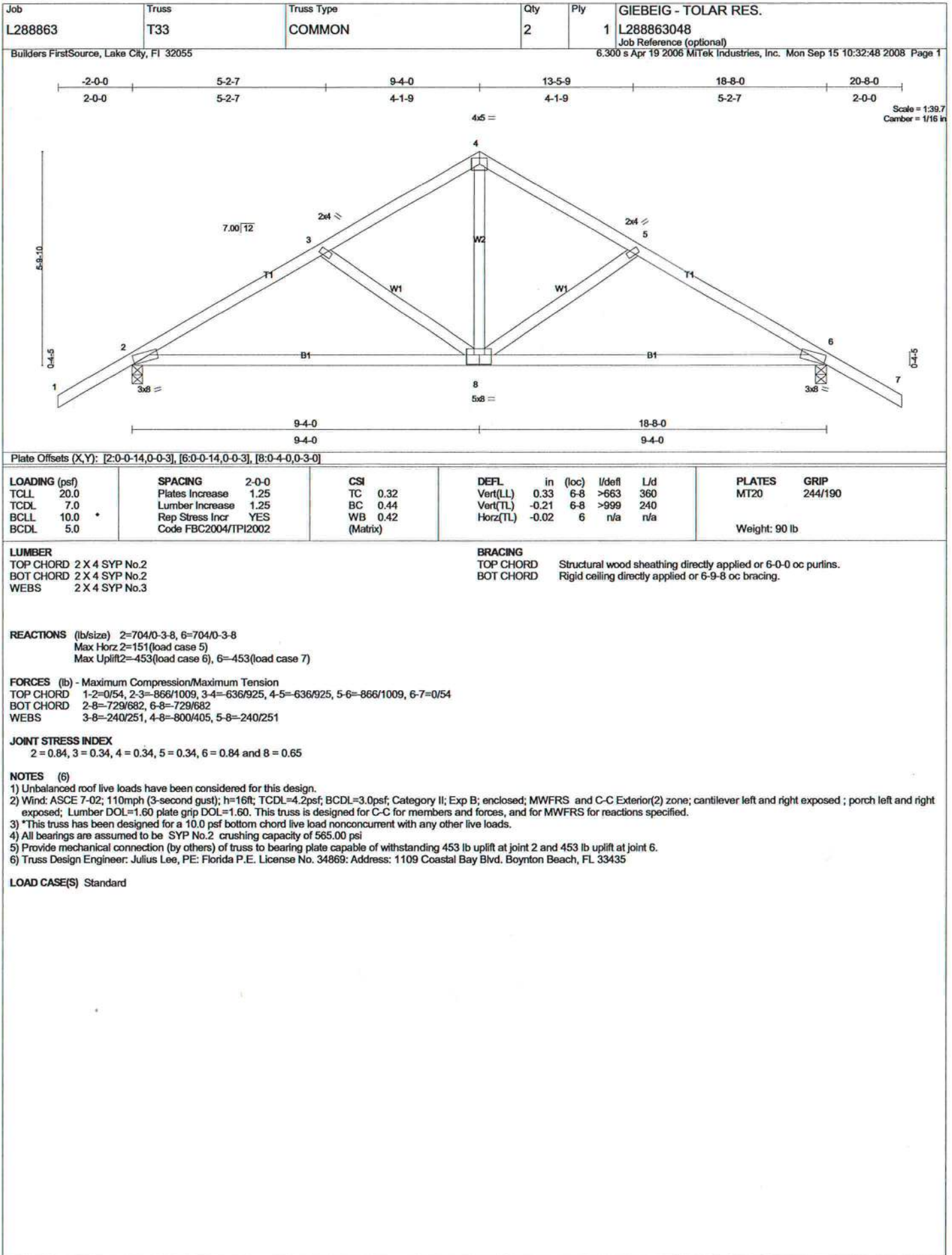
**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/54, 2-3=891/1100, 3-4=769/1128, 4-5=793/1162, 5-6=913/1132  
BOT CHORD 2-9=872/703, 8-9=529/490, 7-8=529/490, 6-7=910/730  
WEBS 3-9=206/183, 4-9=537/272, 4-7=593/309, 5-7=224/208

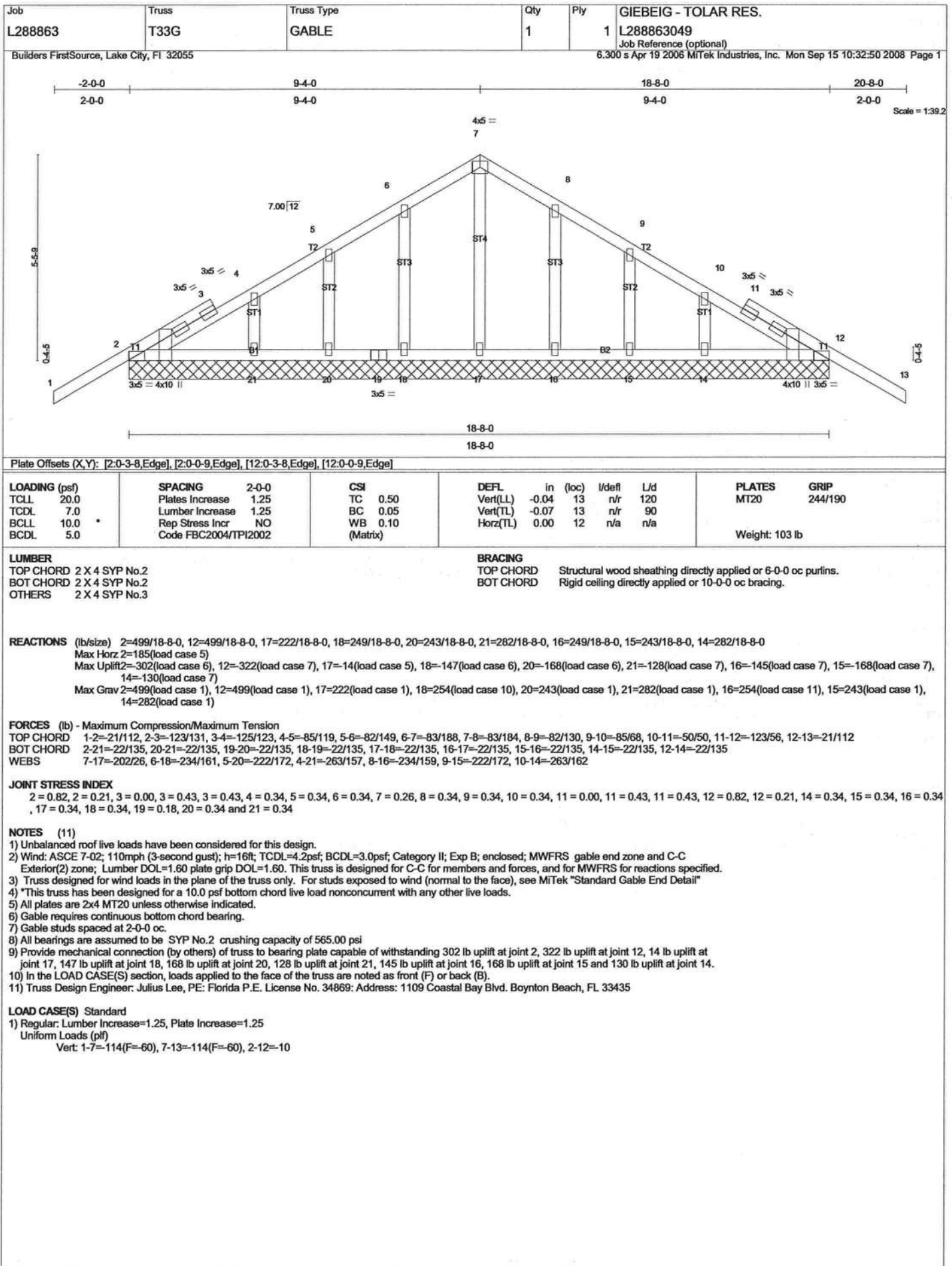
**JOINT STRESS INDEX**  
2 = 0.68, 2 = 0.51, 3 = 0.34, 4 = 0.54, 5 = 0.44, 6 = 0.52, 6 = 0.30, 7 = 0.45, 8 = 0.24 and 9 = 0.45

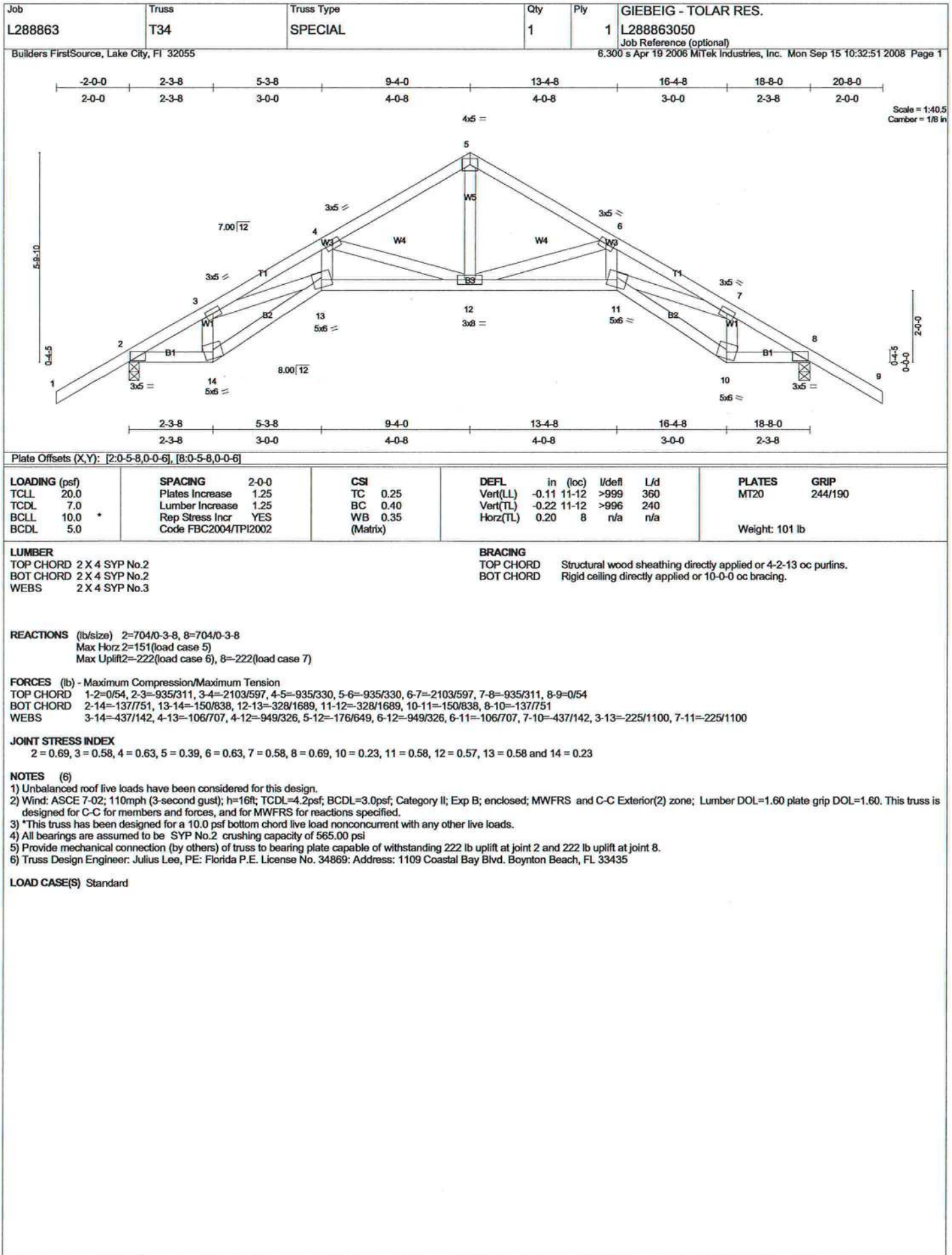
#### NOTES (6)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 451 lb uplift at joint 2 and 352 lb uplift at joint 6.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard







|                       |                     |                              |                 |                 |                                                                              |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b> | Truss<br><b>T35</b> | Truss Type<br><b>SPECIAL</b> | Qty<br><b>5</b> | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863051</b><br>Job Reference (optional) |
|-----------------------|---------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------------------------|

Builders FirstSource, Lake City, FL 32055

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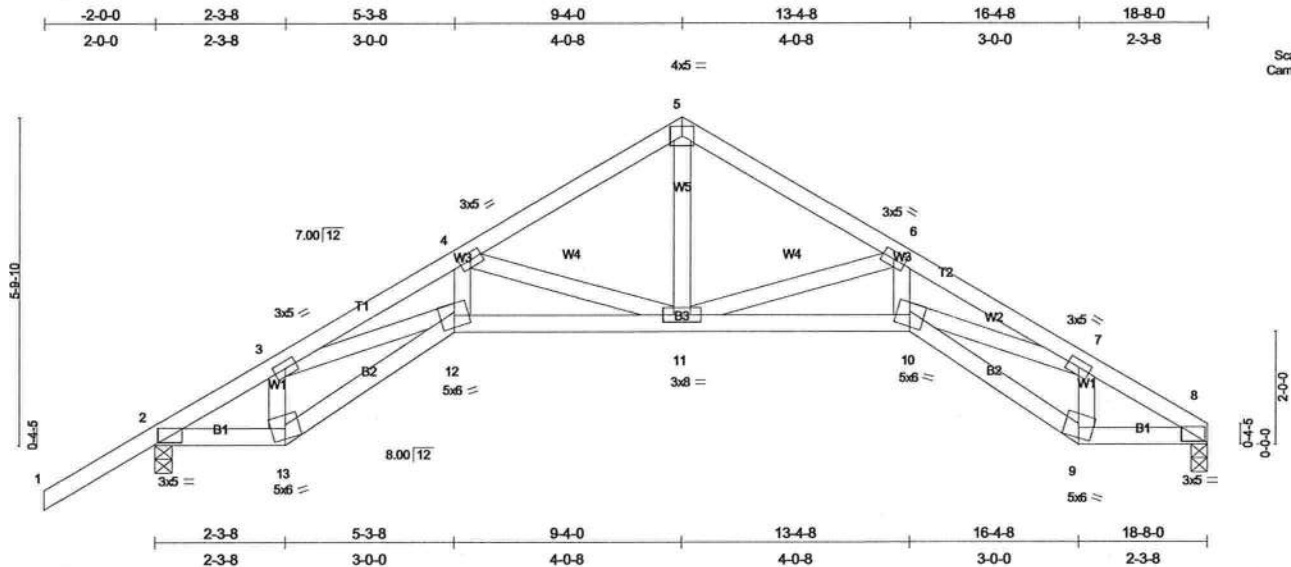


Plate Offsets (X,Y): [2:0-5-9,0-0-6], [8:0-5-9,0-0-6]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in (loc)    | l/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|-------------|--------|-----|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.25  | Vert(TL) | -0.12 10-11 | >999   | 360 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.42  | Vert(TL) | -0.23 10-11 | >962   | 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.36  | Horz(TL) | 0.20 8      | n/a    | n/a |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) |          |             |        |     |               |         |
|               | Code FBC2004/TPI2002 |          |          |             |        |     | Weight: 98 lb |         |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 8-0-12 oc bracing.

#### REACTIONS (lb/size)

8=581/0-3-8, 2=711/0-3-8  
Max Horz 2=173(load case 5)  
Max Uplift 8=125(load case 7), 2=223(load case 6)

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

TOP CHORD 1-2=0/54, 2-3=948/333, 3-4=2137/788, 4-5=957/411, 5-6=956/410, 6-7=2190/862, 7-8=1034/454  
BOT CHORD 2-13=231/762, 12-13=253/850, 11-12=556/1717, 10-11=610/1756, 9-10=395/951, 8-9=355/850  
WEBS 3-13=444/195, 4-12=192/718, 4-11=959/412, 5-11=252/669, 6-11=999/468, 6-10=252/760, 7-9=460/218, 3-12=380/1120, 7-10=318/1076

#### JOINT STRESS INDEX

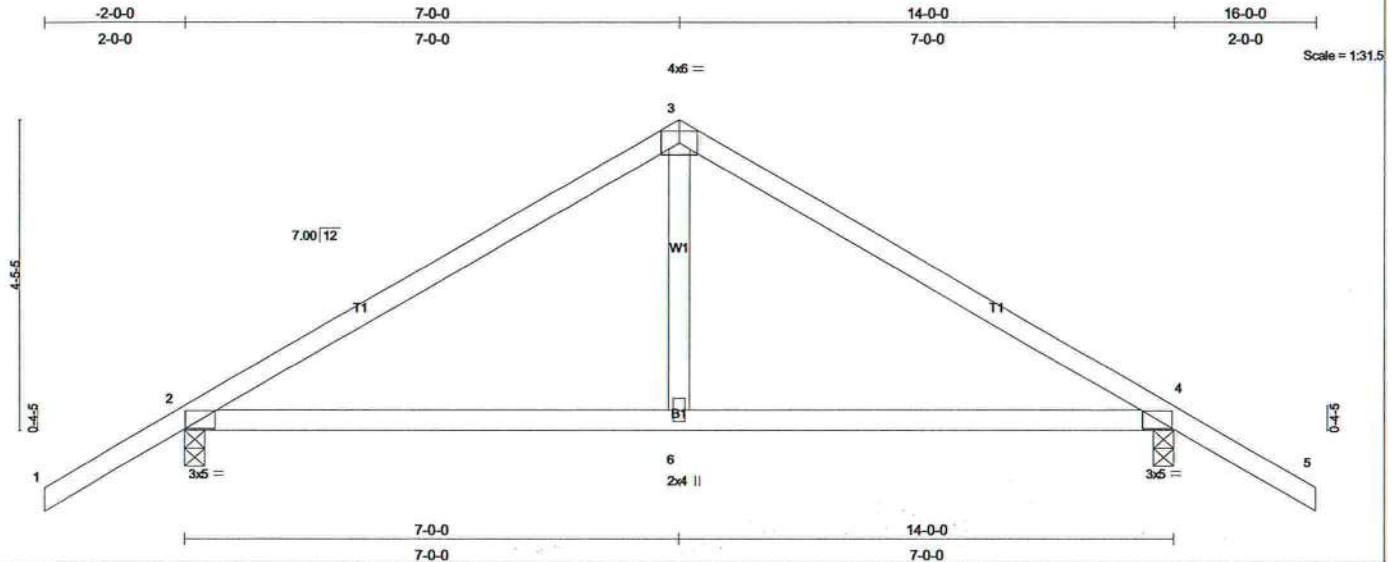
2 = 0.69, 3 = 0.59, 4 = 0.68, 5 = 0.42, 6 = 0.68, 7 = 0.59, 8 = 0.69, 9 = 0.26, 10 = 0.61, 11 = 0.57, 12 = 0.61 and 13 = 0.26

#### NOTES (6)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 8 and 223 lb uplift at joint 2.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### LOAD CASE(S) Standard

|                                           |                     |                             |                                                                            |                 |                                                                              |
|-------------------------------------------|---------------------|-----------------------------|----------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|
| Job<br><b>L288863</b>                     | Truss<br><b>T36</b> | Truss Type<br><b>COMMON</b> | Qty<br><b>5</b>                                                            | Ply<br><b>1</b> | <b>GIEBEIG - TOLAR RES.</b><br><b>L288863052</b><br>Job Reference (optional) |
| Builders FirstSource, Lake City, FL 32055 |                     |                             | 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 15 10:32:53 2008 Page 1 |                 |                                                                              |



|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING (psf)</b> | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.31    | Vert(LL) -0.04 2-6 >999 360     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.25    | Vert(TL) -0.08 2-6 >999 240     |               |             |
| BCLL 10.0 *          | Rep Stress Incr YES  | WB 0.08    | Horz(TL) 0.01 4 n/a n/a         |               |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 |               |             |
|                      |                      |            |                                 | Weight: 58 lb |             |

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3

#### BRACING

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

#### REACTIONS

(lb/size) 2=555/0-3-8, 4=555/0-3-8  
Max Horz 2=113(load case 4)  
Max Uplift 2=192(load case 6), 4=192(load case 7)

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

TOP CHORD 1-2=0/54, 2-3=565/218, 3-4=565/218, 4-5=0/54  
BOT CHORD 2-6=25/408, 4-6=25/408  
WEBS 3-6=0/237

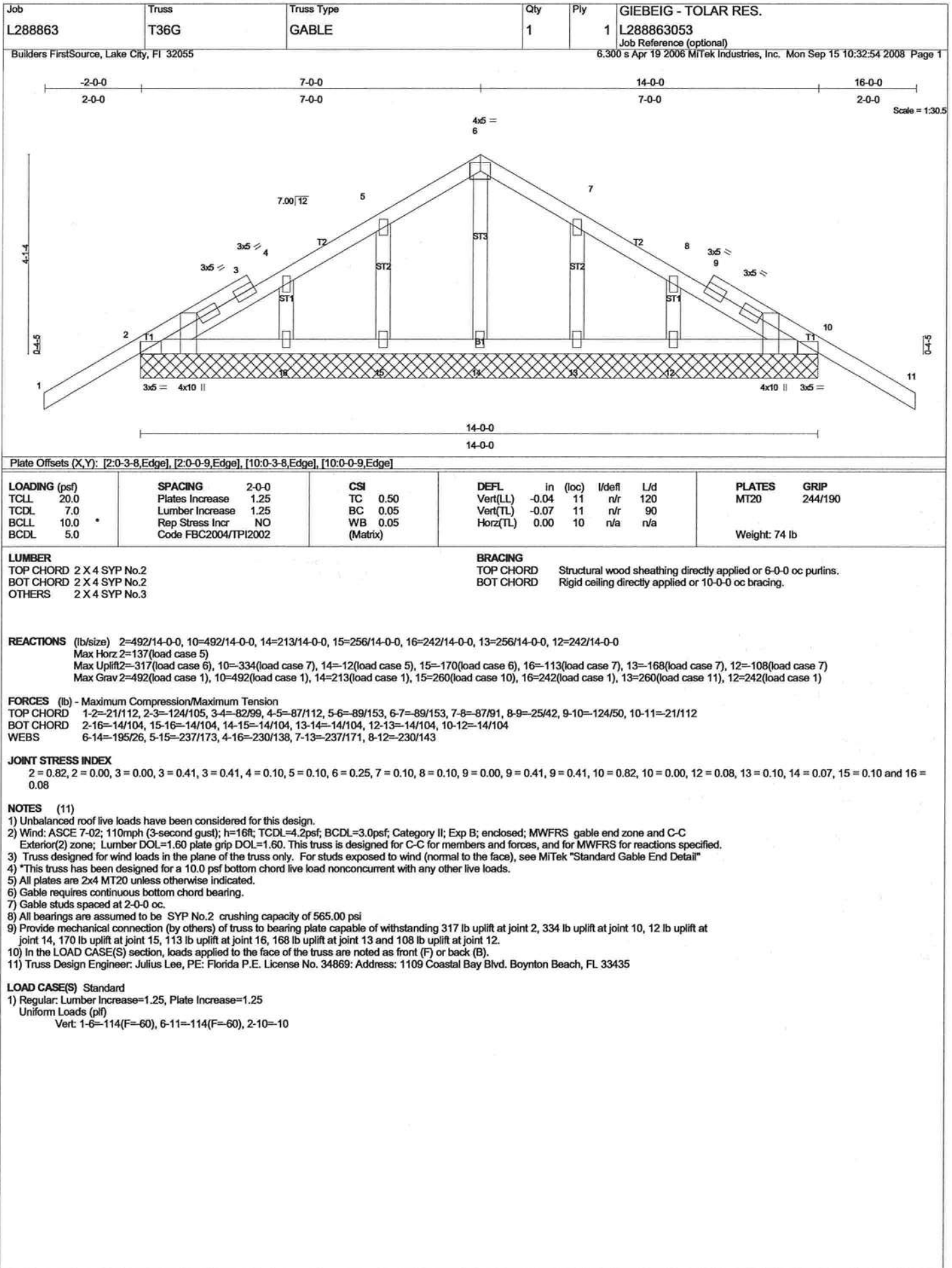
#### JOINT STRESS INDEX

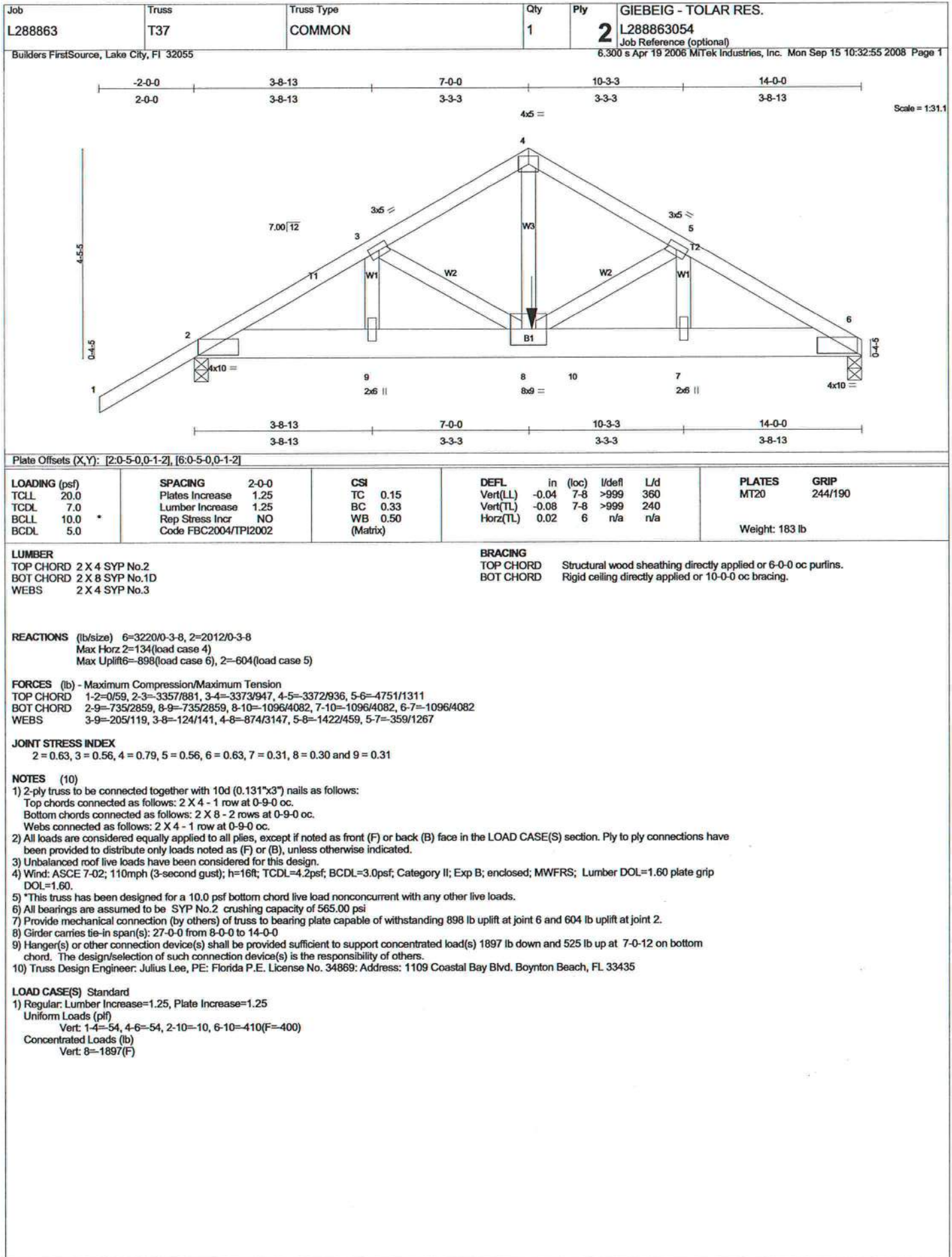
2 = 0.60, 3 = 0.76, 4 = 0.60 and 6 = 0.17

#### NOTES (6)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 2 and 192 lb uplift at joint 4.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard





# STEPPDOWN CORNER SET

TOP CHORD 2X4 SO. PINE #2 or Better  
 BOT CHORD 2X4 SO. PINE #2 or Better  
 WEBS 2X4 SO. PINE #3 or Better

**120 MPH MAX**

Setback 7' or Less

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.

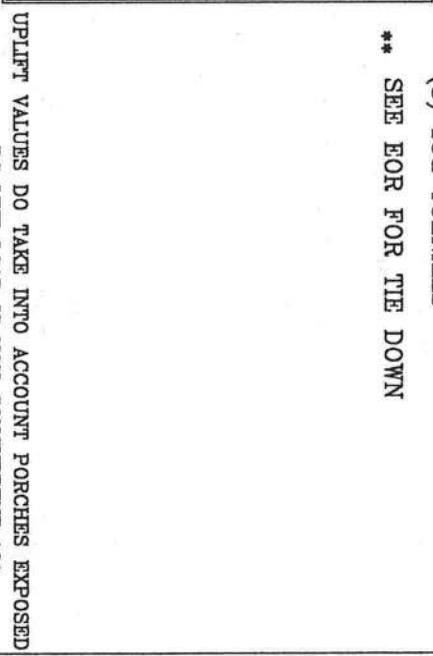
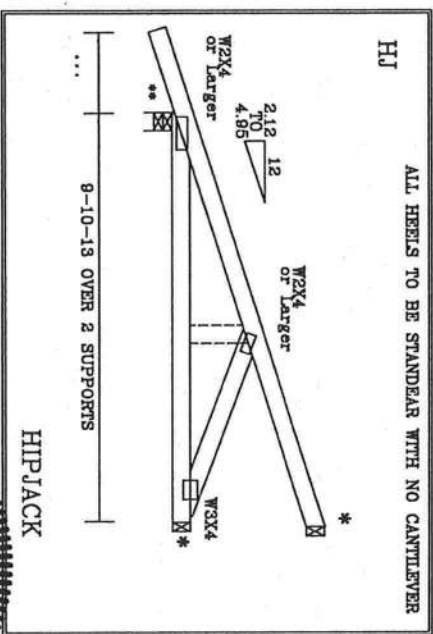
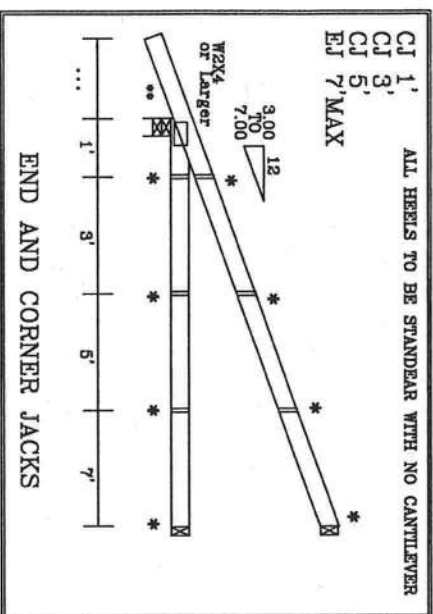
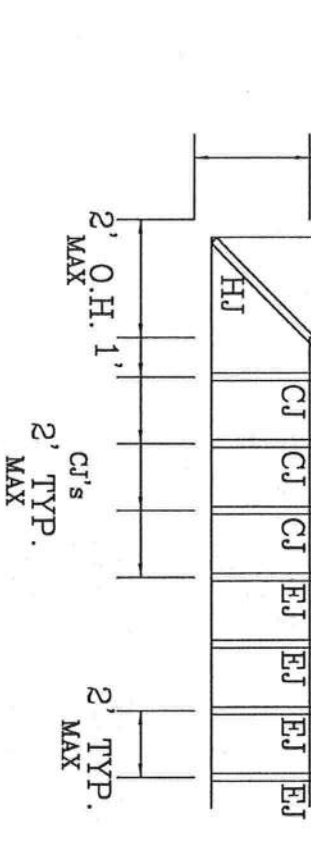
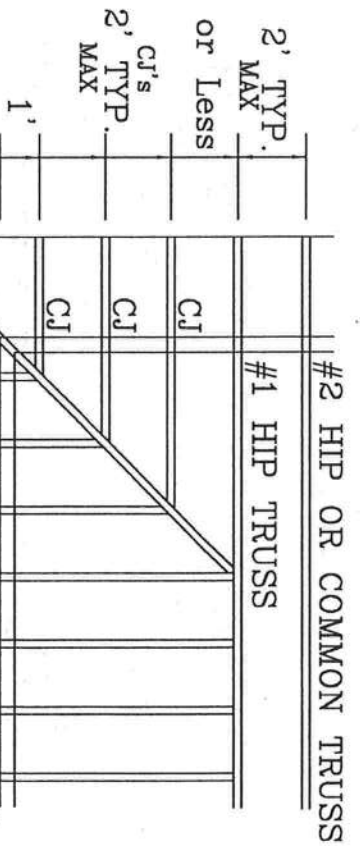
UPLIFT: 400# or Less  
 BRG LOC: \*  
 UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND  
 SPEED=120 "C" MPH. MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED. TILE

UPLIFT: 400# or Less  
 BRG LOC: \*  
 UPLIFT BASED ON 15.0 PSF TOTAL DEAD LOAD. WIND  
 SPEED=120 "C" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)

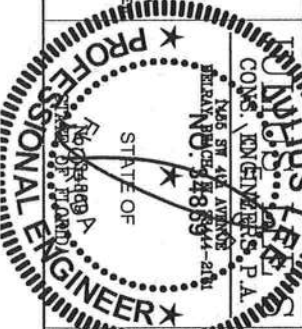
PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.

UPLIFT: 400# or Less  
 BRG LOC: \*  
 UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND  
 SPEED=120 "B" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)



CORNER SET  
 SETBACK  
 7'0" MAX

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC-1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 983 DUNDAS ST. E., SUITE 200, MISSISSAUGA, ONT. L4X 1L3, CANADA. (416) 671-1111. ALSO REFER TO THE TRUSS PLATE INSTITUTE'S TRUSSING HANDBOOK, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 983 DUNDAS ST. E., SUITE 200, MISSISSAUGA, ONT. L4X 1L3, CANADA. (416) 671-1111. THE TRUSS PLATE INSTITUTE'S TRUSSING HANDBOOK IS THE ONLY AUTHORITY ON TRUSSING. THE TRUSS PLATE INSTITUTE'S TRUSSING HANDBOOK IS THE ONLY AUTHORITY ON TRUSSING. THE TRUSS PLATE INSTITUTE'S TRUSSING HANDBOOK IS THE ONLY AUTHORITY ON TRUSSING.

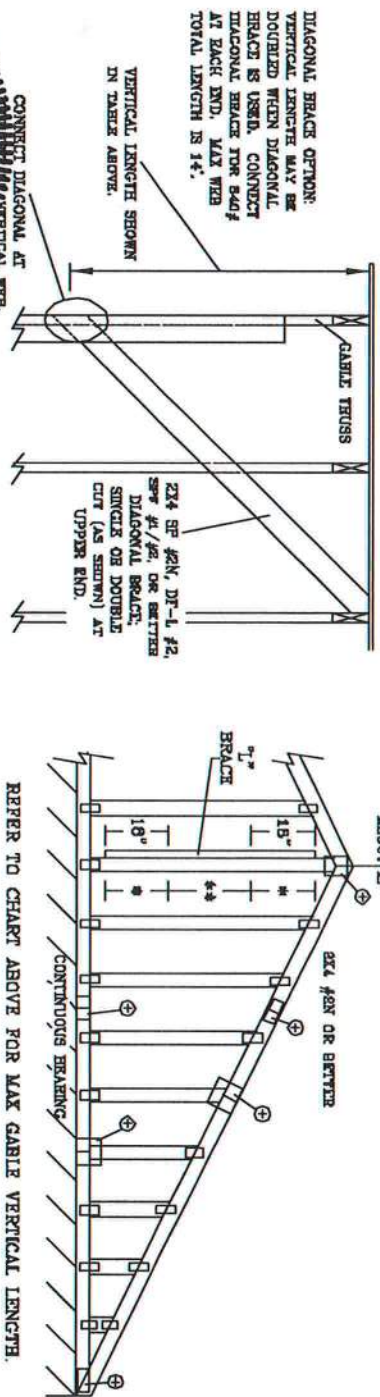


| ITEM | QTY | UNIT    | PRICE | TOTAL |
|------|-----|---------|-------|-------|
| 1    | 20  | MAX PSF |       |       |
| 2    | 20  | MAX PSF |       |       |
| 3    | 20  | MAX PSF |       |       |
| 4    | 20  | MAX PSF |       |       |
| 5    | 20  | MAX PSF |       |       |
| 6    | 20  | MAX PSF |       |       |
| 7    | 20  | MAX PSF |       |       |
| 8    | 20  | MAX PSF |       |       |
| 9    | 20  | MAX PSF |       |       |
| 10   | 20  | MAX PSF |       |       |
| 11   | 20  | MAX PSF |       |       |
| 12   | 20  | MAX PSF |       |       |
| 13   | 20  | MAX PSF |       |       |
| 14   | 20  | MAX PSF |       |       |
| 15   | 20  | MAX PSF |       |       |
| 16   | 20  | MAX PSF |       |       |
| 17   | 20  | MAX PSF |       |       |
| 18   | 20  | MAX PSF |       |       |
| 19   | 20  | MAX PSF |       |       |
| 20   | 20  | MAX PSF |       |       |
| 21   | 20  | MAX PSF |       |       |
| 22   | 20  | MAX PSF |       |       |
| 23   | 20  | MAX PSF |       |       |
| 24   | 20  | MAX PSF |       |       |
| 25   | 20  | MAX PSF |       |       |
| 26   | 20  | MAX PSF |       |       |
| 27   | 20  | MAX PSF |       |       |
| 28   | 20  | MAX PSF |       |       |
| 29   | 20  | MAX PSF |       |       |
| 30   | 20  | MAX PSF |       |       |
| 31   | 20  | MAX PSF |       |       |
| 32   | 20  | MAX PSF |       |       |
| 33   | 20  | MAX PSF |       |       |
| 34   | 20  | MAX PSF |       |       |
| 35   | 20  | MAX PSF |       |       |
| 36   | 20  | MAX PSF |       |       |
| 37   | 20  | MAX PSF |       |       |
| 38   | 20  | MAX PSF |       |       |
| 39   | 20  | MAX PSF |       |       |
| 40   | 20  | MAX PSF |       |       |
| 41   | 20  | MAX PSF |       |       |
| 42   | 20  | MAX PSF |       |       |
| 43   | 20  | MAX PSF |       |       |
| 44   | 20  | MAX PSF |       |       |
| 45   | 20  | MAX PSF |       |       |
| 46   | 20  | MAX PSF |       |       |
| 47   | 20  | MAX PSF |       |       |
| 48   | 20  | MAX PSF |       |       |
| 49   | 20  | MAX PSF |       |       |
| 50   | 20  | MAX PSF |       |       |
| 51   | 20  | MAX PSF |       |       |
| 52   | 20  | MAX PSF |       |       |
| 53   | 20  | MAX PSF |       |       |
| 54   | 20  | MAX PSF |       |       |
| 55   | 20  | MAX PSF |       |       |
| 56   | 20  | MAX PSF |       |       |
| 57   | 20  | MAX PSF |       |       |
| 58   | 20  | MAX PSF |       |       |
| 59   | 20  | MAX PSF |       |       |
| 60   | 20  | MAX PSF |       |       |
| 61   | 20  | MAX PSF |       |       |
| 62   | 20  | MAX PSF |       |       |
| 63   | 20  | MAX PSF |       |       |
| 64   | 20  | MAX PSF |       |       |
| 65   | 20  | MAX PSF |       |       |
| 66   | 20  | MAX PSF |       |       |
| 67   | 20  | MAX PSF |       |       |
| 68   | 20  | MAX PSF |       |       |
| 69   | 20  | MAX PSF |       |       |
| 70   | 20  | MAX PSF |       |       |
| 71   | 20  | MAX PSF |       |       |
| 72   | 20  | MAX PSF |       |       |
| 73   | 20  | MAX PSF |       |       |
| 74   | 20  | MAX PSF |       |       |
| 75   | 20  | MAX PSF |       |       |
| 76   | 20  | MAX PSF |       |       |
| 77   | 20  | MAX PSF |       |       |
| 78   | 20  | MAX PSF |       |       |
| 79   | 20  | MAX PSF |       |       |
| 80   | 20  | MAX PSF |       |       |
| 81   | 20  | MAX PSF |       |       |
| 82   | 20  | MAX PSF |       |       |
| 83   | 20  | MAX PSF |       |       |
| 84   | 20  | MAX PSF |       |       |
| 85   | 20  | MAX PSF |       |       |
| 86   | 20  | MAX PSF |       |       |
| 87   | 20  | MAX PSF |       |       |
| 88   | 20  | MAX PSF |       |       |
| 89   | 20  | MAX PSF |       |       |
| 90   | 20  | MAX PSF |       |       |
| 91   | 20  | MAX PSF |       |       |
| 92   | 20  | MAX PSF |       |       |
| 93   | 20  | MAX PSF |       |       |
| 94   | 20  | MAX PSF |       |       |
| 95   | 20  | MAX PSF |       |       |
| 96   | 20  | MAX PSF |       |       |
| 97   | 20  | MAX PSF |       |       |
| 98   | 20  | MAX PSF |       |       |
| 99   | 20  | MAX PSF |       |       |
| 100  | 20  | MAX PSF |       |       |

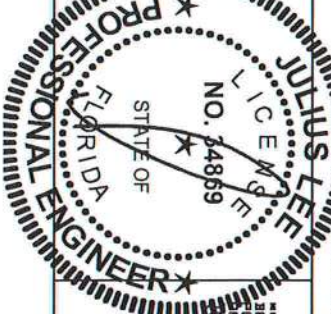
REVIEWED  
 By Julius Lee at 10:52 am, Jun 27, 2008

ASCE 7-02: 130 MPH WIND SPEED, 16' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

| MAX GABLE VERTICAL LENGTH |                      |          |          |                     |         |                     |         |                      |         |                     |         |                     |         |                      |  |
|---------------------------|----------------------|----------|----------|---------------------|---------|---------------------|---------|----------------------|---------|---------------------|---------|---------------------|---------|----------------------|--|
| CABLE VERTICAL SPACING    | 2x4 VERTICAL SPECIES | GRADE    | BRACE NO | (1) 1x4 "L" BRACE * |         | (1) 2x4 "L" BRACE * |         | (2) 2x4 "L" BRACE ** |         | (1) 2x6 "L" BRACE * |         | (2) 2x6 "L" BRACE * |         | (2) 2x8 "L" BRACE ** |  |
|                           |                      |          |          | GROUP A             | GROUP B | GROUP A             | GROUP B | GROUP A              | GROUP B | GROUP A             | GROUP B | GROUP A             | GROUP B |                      |  |
| 24" O.C.                  | SPF                  | #1 / #2  | 3' 4"    | 6' 10"              | 6' 0"   | 6' 11"              | 7' 1"   | 8' 3"                | 8' 6"   | 10' 10"             | 11' 2"  | 12' 11"             | 13' 3"  |                      |  |
|                           |                      | #3       | 3' 3"    | 4' 11"              | 4' 11"  | 6' 6"               | 6' 6"   | 8' 3"                | 8' 3"   | 10' 1"              | 10' 1"  | 12' 11"             | 12' 11" |                      |  |
|                           | HF                   | STUD     | 3' 3"    | 4' 11"              | 4' 11"  | 6' 5"               | 6' 6"   | 8' 3"                | 8' 3"   | 10' 0"              | 10' 0"  | 12' 11"             | 12' 11" |                      |  |
|                           |                      | STANDARD | 3' 3"    | 4' 2"               | 4' 2"   | 5' 6"               | 5' 6"   | 7' 5"                | 7' 5"   | 8' 8"               | 8' 8"   | 11' 6"              | 11' 6"  |                      |  |
|                           | SP                   | #1       | 3' 8"    | 5' 10"              | 6' 3"   | 6' 11"              | 7' 5"   | 8' 3"                | 8' 11"  | 10' 10"             | 11' 8"  | 12' 11"             | 13' 11" |                      |  |
|                           |                      | #2       | 3' 7"    | 6' 10"              | 6' 3"   | 6' 11"              | 7' 5"   | 8' 3"                | 8' 11"  | 10' 10"             | 11' 8"  | 12' 11"             | 13' 11" |                      |  |
|                           | DFL                  | #3       | 3' 6"    | 5' 0"               | 6' 0"   | 6' 8"               | 6' 8"   | 8' 3"                | 8' 8"   | 10' 4"              | 10' 4"  | 12' 11"             | 13' 7"  |                      |  |
|                           |                      | STUD     | 3' 6"    | 5' 0"               | 5' 0"   | 6' 7"               | 6' 7"   | 8' 3"                | 8' 8"   | 10' 3"              | 10' 3"  | 12' 11"             | 13' 7"  |                      |  |
|                           | 16" O.C.             | SPF      | STANDARD | 3' 4"               | 4' 3"   | 4' 3"               | 5' 8"   | 5' 8"                | 7' 8"   | 7' 8"               | 9' 6"   | 9' 6"               | 12' 9"  | 12' 9"               |  |
|                           |                      |          | #1 / #2  | 3' 10"              | 6' 8"   | 6' 10"              | 7' 11"  | 8' 1"                | 9' 6"   | 9' 6"               | 12' 6"  | 12' 6"              | 14' 0"  | 14' 0"               |  |
| HF                        |                      | #3       | 3' 8"    | 6' 0"               | 6' 0"   | 7' 11"              | 7' 11"  | 9' 5"                | 9' 5"   | 12' 4"              | 12' 4"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | STUD     | 3' 8"    | 6' 0"               | 6' 0"   | 7' 11"              | 7' 11"  | 9' 5"                | 9' 5"   | 12' 4"              | 12' 4"  | 14' 0"              | 14' 0"  |                      |  |
| SP                        |                      | STANDARD | 3' 9"    | 5' 8"               | 6' 2"   | 6' 10"              | 6' 10"  | 8' 8"                | 9' 2"   | 10' 7"              | 10' 7"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | #1       | 4' 3"    | 8' 8"               | 7' 2"   | 7' 11"              | 8' 6"   | 9' 5"                | 10' 2"  | 12' 5"              | 12' 5"  | 14' 0"              | 14' 0"  |                      |  |
| DFL                       |                      | #2       | 4' 2"    | 6' 8"               | 7' 2"   | 7' 11"              | 8' 6"   | 9' 5"                | 10' 2"  | 12' 6"              | 13' 5"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | #3       | 4' 0"    | 6' 8"               | 6' 2"   | 7' 11"              | 8' 2"   | 9' 6"                | 9' 11"  | 12' 6"              | 13' 8"  | 14' 0"              | 14' 0"  |                      |  |
| 12" O.C.                  |                      | SPF      | STUD     | 4' 0"               | 6' 1"   | 6' 1"               | 7' 11"  | 8' 1"                | 9' 5"   | 9' 11"              | 12' 5"  | 12' 5"              | 14' 0"  | 14' 0"               |  |
|                           |                      |          | STANDARD | 3' 10"              | 5' 3"   | 5' 3"               | 6' 11"  | 6' 11"               | 8' 4"   | 8' 4"               | 10' 10" | 10' 10"             | 14' 0"  | 14' 0"               |  |
|                           | HF                   | #1 / #2  | 4' 3"    | 7' 4"               | 7' 4"   | 8' 9"               | 8' 11"  | 10' 6"               | 10' 6"  | 13' 8"              | 13' 8"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | #3       | 4' 2"    | 6' 11"              | 6' 11"  | 8' 9"               | 8' 9"   | 10' 6"               | 10' 6"  | 13' 8"              | 13' 8"  | 14' 0"              | 14' 0"  |                      |  |
|                           | SP                   | STUD     | 4' 2"    | 6' 11"              | 6' 11"  | 7' 10"              | 7' 10"  | 10' 6"               | 10' 6"  | 12' 9"              | 12' 9"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | STANDARD | 4' 8"    | 7' 4"               | 7' 4"   | 8' 9"               | 8' 9"   | 10' 5"               | 11' 2"  | 13' 8"              | 14' 0"  | 14' 0"              | 14' 0"  |                      |  |
|                           | DFL                  | #2       | 4' 7"    | 7' 4"               | 7' 4"   | 8' 9"               | 8' 9"   | 10' 6"               | 11' 2"  | 13' 8"              | 14' 0"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | #3       | 4' 4"    | 7' 2"               | 7' 2"   | 8' 9"               | 8' 9"   | 10' 5"               | 10' 5"  | 13' 8"              | 14' 0"  | 14' 0"              | 14' 0"  |                      |  |
|                           | STUD                 | #1       | 4' 4"    | 7' 1"               | 7' 1"   | 8' 9"               | 8' 9"   | 10' 6"               | 10' 6"  | 13' 8"              | 14' 0"  | 14' 0"              | 14' 0"  |                      |  |
|                           |                      | STANDARD | 4' 3"    | 6' 1"               | 6' 1"   | 8' 0"               | 8' 0"   | 10' 5"               | 10' 5"  | 12' 8"              | 12' 8"  | 14' 0"              | 14' 0"  |                      |  |



| CABLE TRUSS DETAIL NOTES:                                                                   |  |
|---------------------------------------------------------------------------------------------|--|
| LIVE LOAD DEFLECTION CRITERIA IS L/240.                                                     |  |
| PROVIDE UPLIFT CONNECTIONS FOR 136 PSF OVER CONTINUOUS BEARING (6 PSF TO DEAD LOAD).        |  |
| CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 8' 0" OVERHANG, OR 12" PLYWOOD OVERHANG. |  |
| ATTACH EACH "L" BRACE WITH 104 NAILS.                                                       |  |
| * FOR (1) "L" BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.     |  |
| ** FOR (2) "L" BRACES, SPACE NAILS AT 5" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.   |  |
| "L" BRACING MUST BE A MINIMUM OF 80K OR WEB MEMBER LENGTH.                                  |  |



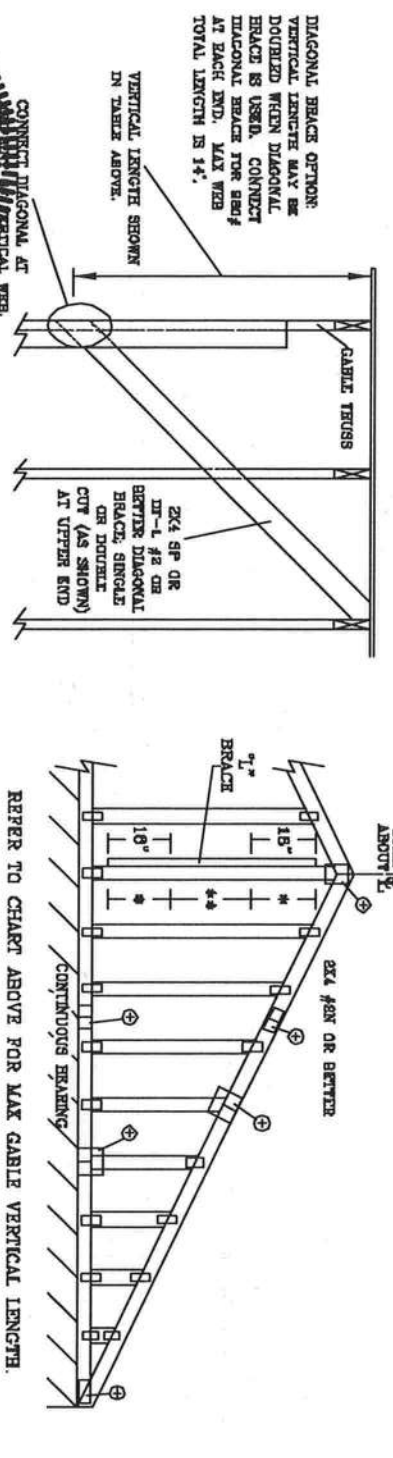
REVIEWED  
By Julius Lee at 12:00 pm, Jun 11, 2008

JULIUS LEE'S  
CONS. ENGINEERS P.A.  
1435 97th AVE. APT. 200  
DELANO BEACH, FL 33441-8161

| REF                               | ASCE 7-02-CAB13015 |
|-----------------------------------|--------------------|
| DATE                              | 11/26/03           |
| DRAWG. MTRX. STD. CABLE IS E. EIT |                    |
| -ENG                              |                    |

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

| MAX GABLE VERTICAL LENGTH |        | CABLE TRUSS |          | BRACE     |         | NO BRACES |         | (1) 1X4 "L" BRACE * |         | (1) 2X4 "L" BRACE * |         | (1) 2X6 "L" BRACE * |         | (2) 2X8 "L" BRACE * |         | (2) 2X10 "L" BRACE * |         |
|---------------------------|--------|-------------|----------|-----------|---------|-----------|---------|---------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|----------------------|---------|
| SPACING                   | GRADE  | 2X4 SPECIES | BRACE    | NO BRACES | GROUP A | GROUP B   | GROUP C | GROUP D             | GROUP E | GROUP F             | GROUP G | GROUP H             | GROUP I | GROUP J             | GROUP K | GROUP L              | GROUP M |
| 12" O.C.                  | D.F.L. | SPF         | #1 / #2  | 3' 2"     | 5' 6"   | 6' 6"     | 6' 6"   | 6' 6"               | 6' 6"   | 6' 6"               | 6' 6"   | 6' 6"               | 6' 6"   | 6' 6"               | 6' 6"   | 6' 6"                | 6' 6"   |
|                           |        | SPF         | #3       | 3' 1"     | 4' 5"   | 4' 5"     | 4' 5"   | 4' 5"               | 4' 5"   | 4' 5"               | 4' 5"   | 4' 5"               | 4' 5"   | 4' 5"               | 4' 5"   | 4' 5"                | 4' 5"   |
|                           |        | SPF         | STUD     | 3' 1"     | 4' 6"   | 4' 6"     | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"                | 4' 6"   |
|                           |        | SPF         | STANDARD | 2' 11"    | 3' 9"   | 3' 9"     | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"                | 3' 9"   |
| 16" O.C.                  | D.F.L. | SPF         | #1 / #2  | 3' 6"     | 5' 6"   | 5' 6"     | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"                | 5' 6"   |
|                           |        | SPF         | #3       | 3' 3"     | 4' 6"   | 4' 6"     | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"                | 4' 6"   |
|                           |        | SPF         | STUD     | 3' 3"     | 4' 7"   | 4' 7"     | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"                | 4' 7"   |
|                           |        | SPF         | STANDARD | 2' 11"    | 3' 9"   | 3' 9"     | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"                | 3' 9"   |
| 24" O.C.                  | D.F.L. | SPF         | #1 / #2  | 3' 6"     | 5' 6"   | 5' 6"     | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"               | 5' 6"   | 5' 6"                | 5' 6"   |
|                           |        | SPF         | #3       | 3' 3"     | 4' 6"   | 4' 6"     | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"               | 4' 6"   | 4' 6"                | 4' 6"   |
|                           |        | SPF         | STUD     | 3' 3"     | 4' 7"   | 4' 7"     | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"               | 4' 7"   | 4' 7"                | 4' 7"   |
|                           |        | SPF         | STANDARD | 2' 11"    | 3' 9"   | 3' 9"     | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"               | 3' 9"   | 3' 9"                | 3' 9"   |



**BRACING GROUP SPECIES AND GRADES:**

**GROUP A:** MED-FIR

SPRUC-PINE-FIR: #1 / #2, #3, STUD, STANDARD

DOUGLAS FIR-LARCH: #1, #2, #3, STUD, STANDARD

**GROUP B:** KID-FIR

SPRUC-PINE-FIR: #1, #2, #3, STUD, STANDARD

DOUGLAS FIR-LARCH: #1, #2, #3, STUD, STANDARD

**CABLE TRUSS DETAIL NOTES:**

LIVE LOAD DEFLECTION CRITERIA IS  $L/240$ .

PROVIDE UPLIFT CONNECTIONS FOR 180 PSF OVER CONTINUOUS BRACING (6 PSF TO DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 8' 0" OVERHANG, OR 12" PLTWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

\* FOR (1) "L" BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

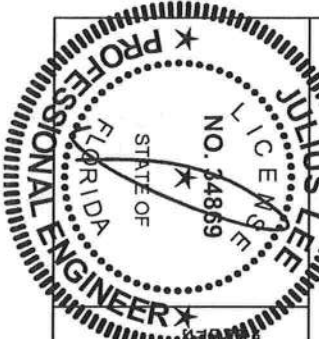
\*\* FOR (2) "L" BRACES: SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

**CABLE VERTICAL PLATE SIZES**

| VERTICAL LENGTH                         | NO SERVICE |
|-----------------------------------------|------------|
| LESS THAN 4' 0"                         | 1X4 OR 2X4 |
| GREATER THAN 4' 0" BUT LESS THAN 11' 0" | 2X4        |
| GREATER THAN 11' 0"                     | 2X6        |

+ REFER TO COMMON TRUSS DESIGN FOR PEAK SPLICE, AND BEEL PLATES.



CONNECTIONS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-43 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 1800 ENTERPRISE DR., SUITE 200, WASHINGTON, VA 22191 AND VITA (WOOD TRUSS COUNCIL, 1000 WOOD TRUSS DRIVE, SUITE 100, WASHINGTON, VA 22191) FOR SPECIFIC PRACTICES PRIOR TO PERFORMING CONSTRUCTION. ALL TRUSSES SHALL HAVE A PROPERLY ATTACHED ROOF CEILING.

**REVIEWED**  
By Julius Lee at 12:00 pm, Jun 11, 2008

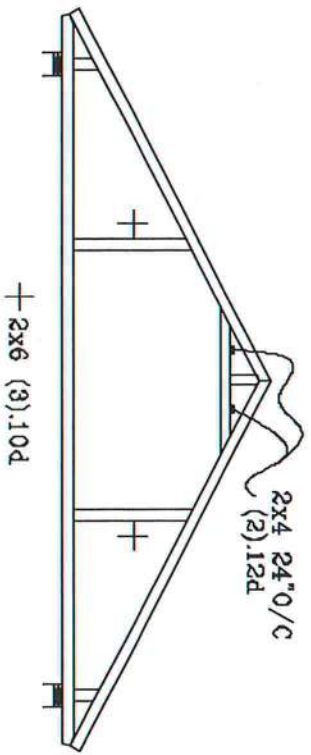
**JULIUS LEE'S**  
CONS. ENGINEERS P.A.  
1466 SW 4th AVENUE  
DELRAY BEACH, FL 33444-2161

No. 34869  
STATE OF FLORIDA

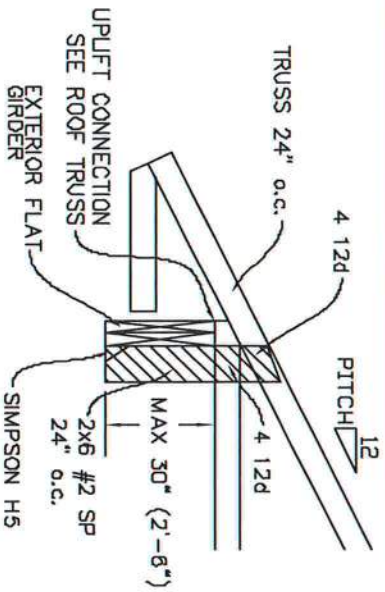
MAX. TOT. LD. 60 PSF  
MAX. SPACING 24.0"

REF ASCE7-02-CAB13030  
DATE 11/26/03  
DWG NOTE STD GABLE 30' x 17'  
-ENG

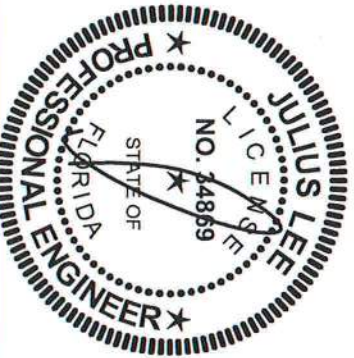
# TYPICAL ATTIC TRUSS BRACING



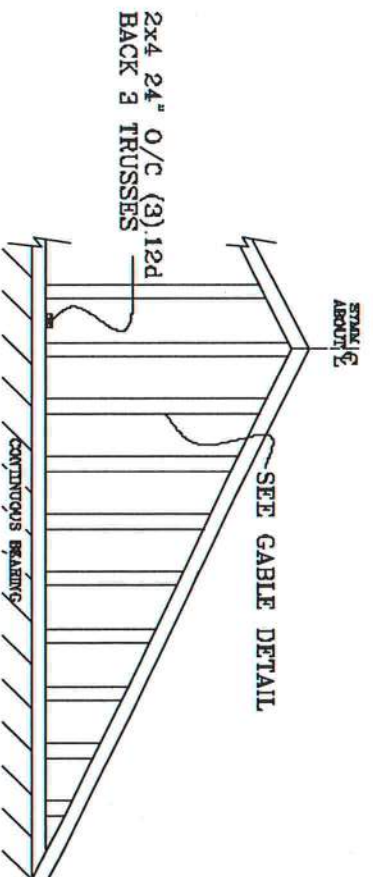
# TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



REVIEWED  
By Julius Lee at 11:59 am, Jun 11, 2008

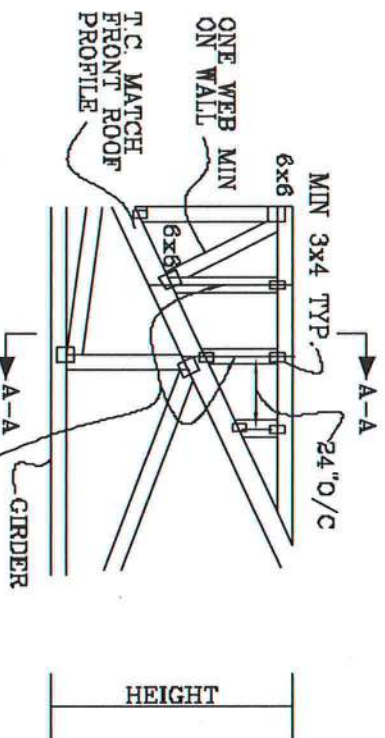


# GABLE END TRUSS DETAIL



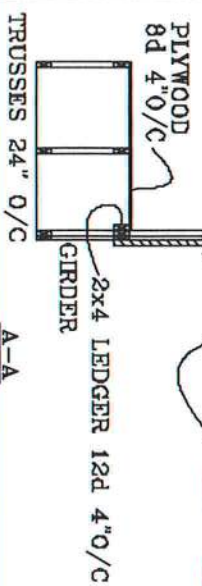
MINIMUM BRACING ON GABLE TRUSS OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR BOB

# TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



SEE ROOF TRUSSES FOR UPLIFT  
ROOF 24" O/C

SEE GABLE END DETAIL FOR T-BRACE BEHIND EACH VERTICAL



A-A

JULIUS LEE'S  
CONS. ENGINEERS P.A.  
1425 SW 4th AVENUE  
DEPT. BEACH, FL 33444-2161

No. 34869  
STATE OF FLORIDA

TOP CHORD 2X4 #2 OR BETTER  
BOT CHORD 2X4 #2 OR BETTER  
WEBS 2X4 #3 OR BETTER

# PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

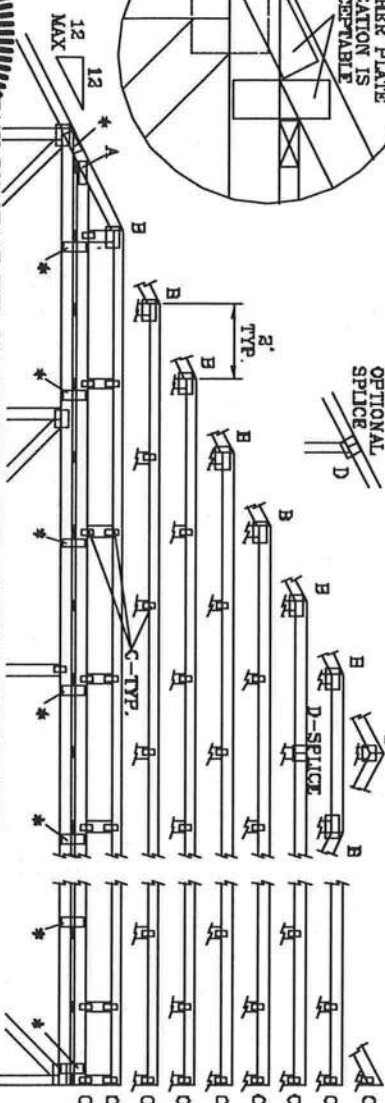
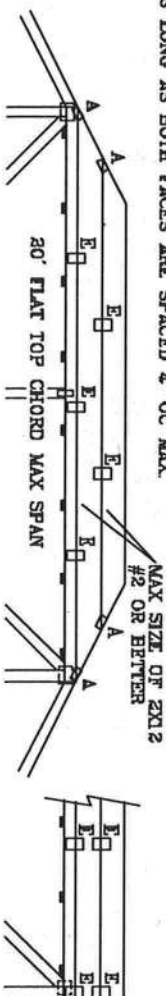
CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, PEG ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF



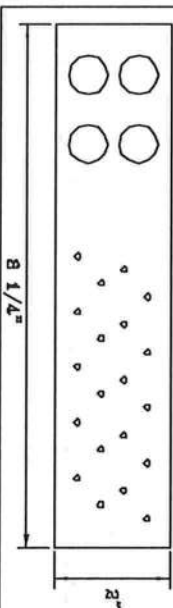
THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 647.045

| JOINT TYPE | SPANS UP TO                                   |       |       |
|------------|-----------------------------------------------|-------|-------|
|            | 30'                                           | 34'   | 62'   |
| A          | 2X4                                           | 2.6X4 | 3X6   |
| B          | 4X6                                           | 6X6   | 6X6   |
| C          | 1.5X3                                         | 1.6X4 | 1.5X4 |
| D          | 5X4                                           | 6X6   | 6X6   |
| E          | 4X6 OR 3X6 TRUSS AT 4' OC, ROTATED VERTICALLY |       |       |

ATTACH TRUSS PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRUSS INFORMATION.

| WEB LENGTH  | WEB BRACING CHART                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------|
| 0' TO 7'9"  | NO BRACING                                                                                                                 |
| 7'9" TO 10' | 1X4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.  |
| 10' TO 14'  | 2X4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC. |

\* PIGGYBACK SPECIAL PLATE  
ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. TO ENSURE BUILDING COMPONENT SAFETY, INFORMATION, FURNISHED BY THE TRUSS MANUFACTURER TO THE BUILDING OFFICIALS, MUST BE FOLLOWED. THE TRUSS MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE BUILDING. THE TRUSS MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE BUILDING. THE TRUSS MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE BUILDING.

JULIUS LEE'S  
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1406 SW 4th AVENUE  
ORLANDO, FL 32804-2661

REVIEWED

By Julius Lee at 11:59 am, Jun 11, 2008

No. 34869  
STATE OF FLORIDA

| MAX LOADING    | REF                 | PIGGYBACK |
|----------------|---------------------|-----------|
| 55 PSF AT      | DATE                | 08/12/07  |
| 1.33 DUR. FAC. | DRWG/ITEK STD PIGGY |           |
| 50 PSF AT      | —ENG JL             |           |
| 1.25 DUR. FAC. |                     |           |
| 47 PSF AT      |                     |           |
| 1.15 DUR. FAC. |                     |           |
| SPACING        | 24.0"               |           |

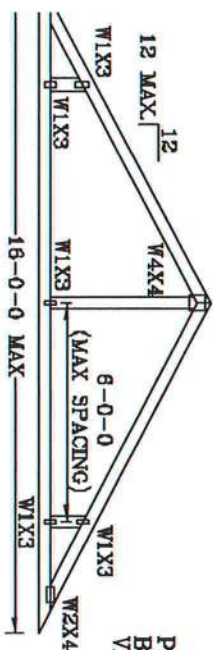
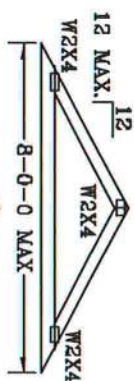
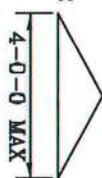
TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
WEBS 2X4 SP #3 OR BETTER.

\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

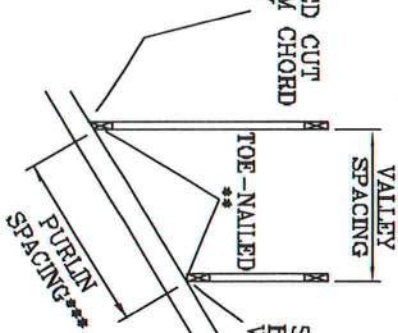
ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:

(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR  
FIBC 2004 110 MPH. ASCE 7-02 110 MPH WIND OR (3) 16d FOR  
ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED  
BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

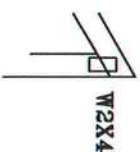
CUT FROM 2X6 OR  
LARGER AS REQ'D



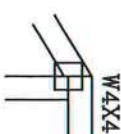
# PITCHED CUT BOTTOM CHORD VALLEY



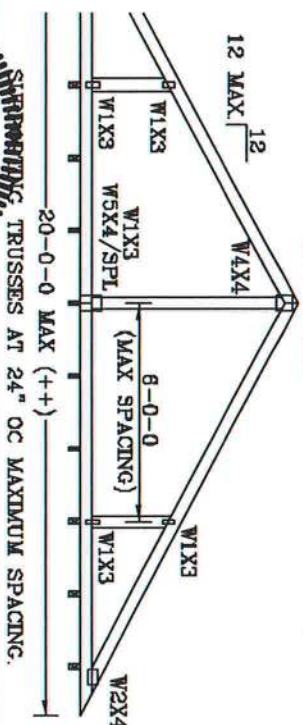
**SQUARE CUT**  
**BOTTOM CHORD**  
**VALLEY**



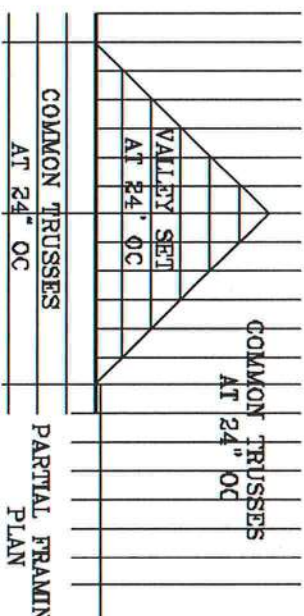
OPTIONAL STUB  
END DETAIL



### OPTIONAL HIP JOINT DETAIL



—20-0-0 MAX (++)—  
TRUSSES AT 24" OC MAXIMUM SPACING



COMMON TRUSSES  
AT 24" OC

# PARTIAL FRAMING PLAN

**THIS DRAWING REPLACES DRAWING A105**

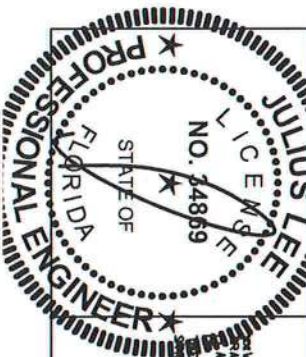
MANUFACTURER, TRUCKS, HEAVY DUTTY CARRIER, IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURING INSTITUTE, 580 CONCORD ROAD, RD. SUITE 600, WILMINGTON, VA 53750, AND WOOD COUNCIL TRUSS COUNCIL OF AMERICA, 6010 W. 10TH AVENUE, DENVER, CO 80202, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE OVERSEAS DEDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED LUTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED DIOD CEILING.

**JULIUS LEE'S**  
CONS. ENGINEERS P.A.

1455 SW 4th Avenue  
RAY BEACH, FL 33446-2161

|             |    |      |     |      |               |
|-------------|----|------|-----|------|---------------|
| TC LL       | 20 | 20   | PSF | REF  | VALLEY DETAIL |
| TC DL       | 7  | 15   | PSF | DATE | 11/26/03      |
| BC DL       | 5  | 5    | PSF | DRWG | VALTRUSS1103  |
| BC LL       | 0  | 0    | PSF | -ENG | JL            |
| TOT. LD.    | 32 | 40   | PSF |      |               |
| DURFAC 1.25 |    | 1.25 |     |      |               |
| SPACING     |    | 24"  |     |      |               |

**REVIEWED**  
By Julius Lee at 11:59 am, Jun 11, 2008



# TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AP&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING, EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.

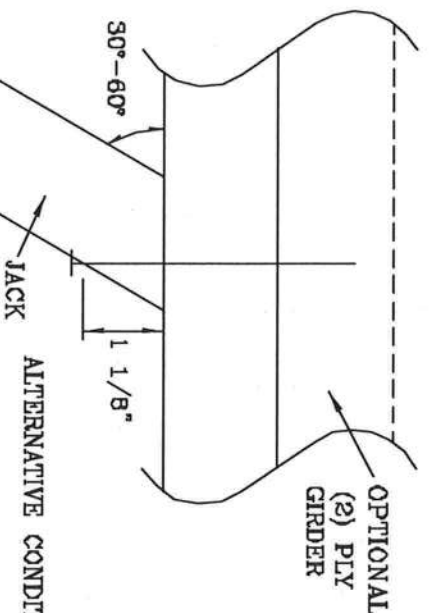
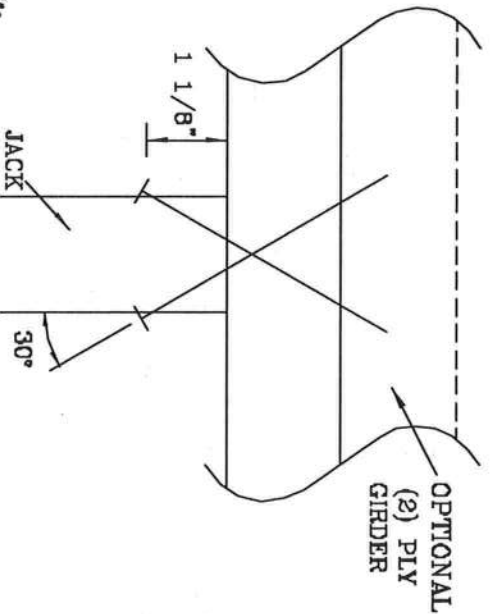
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

| NUMBER OF TOE-NAILS | SOUTHERN PINE |         | DOUGLAS FIR-LARCH |         | HEM-FIR |         | SPRUCE PINE FIR |         |
|---------------------|---------------|---------|-------------------|---------|---------|---------|-----------------|---------|
|                     | 1 PLY         | 2 PILES | 1 PLY             | 2 PILES | 1 PLY   | 2 PILES | 1 PLY           | 2 PILES |
| 2                   | 187#          | 256#    | 181#              | 234#    | 156#    | 203#    | 154#            | 189#    |
| 3                   | 296#          | 383#    | 271#              | 351#    | 234#    | 304#    | 230#            | 298#    |
| 4                   | 394#          | 511#    | 361#              | 468#    | 312#    | 406#    | 307#            | 397#    |
| 5                   | 493#          | 639#    | 452#              | 585#    | 390#    | 507#    | 384#            | 496#    |

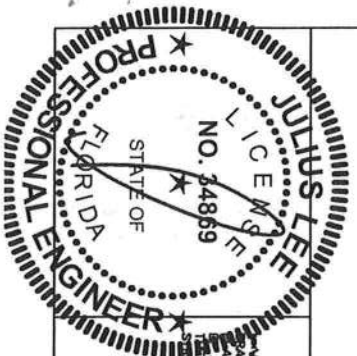
ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND SPACING. REFER TO BEST 1-435 CALLING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS INSTITUTE, 388 VINEYARD DR., SUITE 200, MADISON, VA 20179 AND VITA (WOOD TRUSS COUNCIL, 1000 WILSON BLVD., SUITE 200, FALLS CHURCH, VA 22044) FOR SAFETY PRACTICES PRIOR TO PERFORMING ANY TRUSS WORK. ALL TRUSSES SHALL BE PROPERLY IDENTIFIED, AND ALL TRUSSES SHALL HAVE A PERMANENT IDENTIFICATION NUMBER AND SERIAL NUMBER ATTACHED TO EACH TRUSS. ALL TRUSSES SHALL HAVE A PERMANENT IDENTIFICATION NUMBER ATTACHED TO EACH TRUSS. ALL TRUSSES SHALL HAVE A PERMANENT IDENTIFICATION NUMBER ATTACHED TO EACH TRUSS.



REVIEWED  
By Julius Lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S  
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1400 NW 4TH AVENUE  
DELMAR BEACH, FL 33441-2161

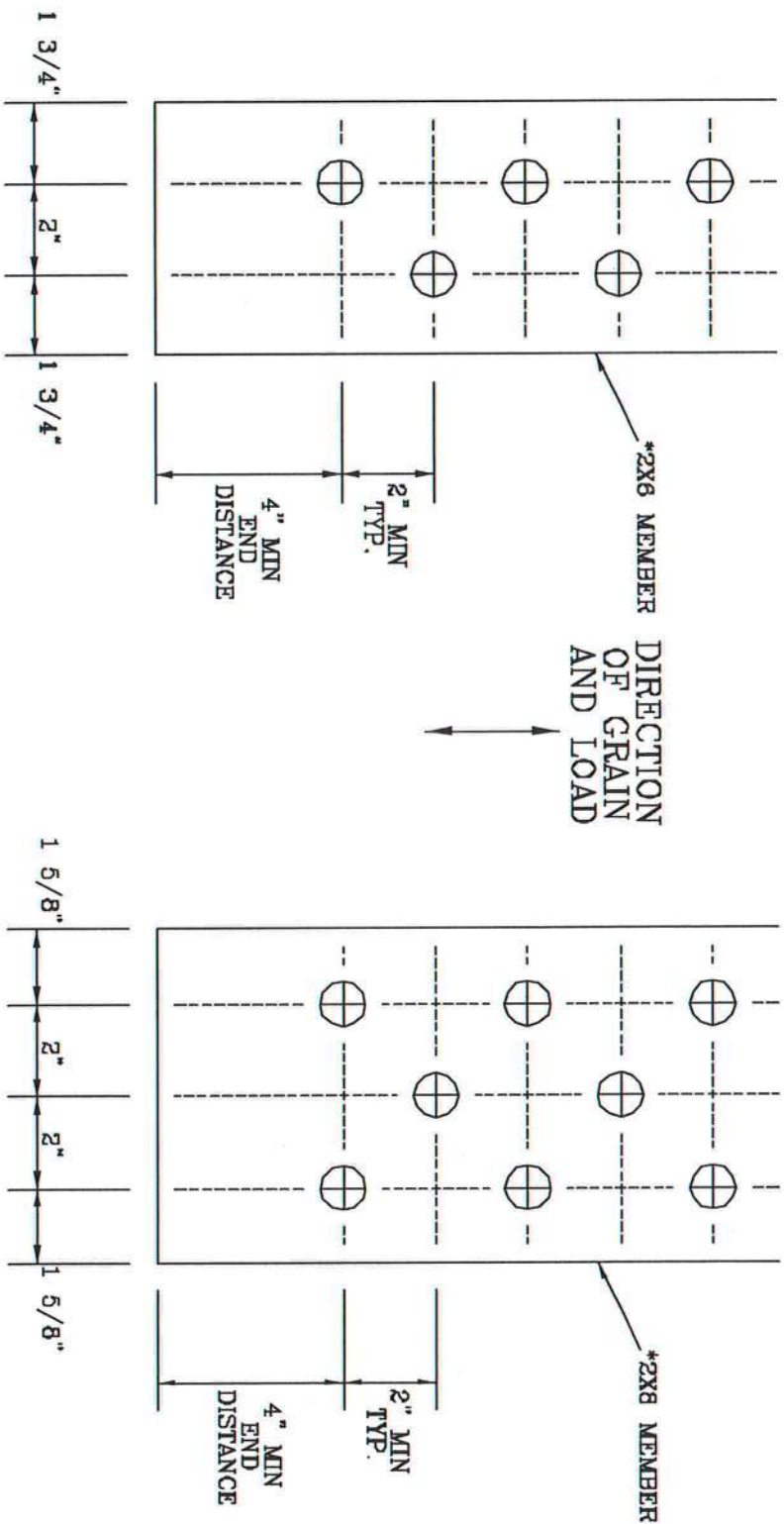
No. 34869  
STATE OF FLORIDA

|           |      |      |             |
|-----------|------|------|-------------|
| TC LL     | PSF  | REF  | TOE-NAIL    |
| TC DL     | PSF  | DATE | 09/12/07    |
| BC DL     | PSF  | DRWG | CNTONALL103 |
| BC LL     | PSF  | -ENG | JL          |
| TOT. LD.  | PSF  |      |             |
| DUR. FAC. | 1.00 |      |             |
| SPACING   |      |      |             |

1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

\* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.  
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS  
QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED  
IN ONE OF THE PATTERNS SHOWN BELOW.  
WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

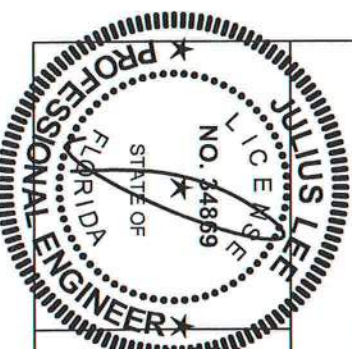
THIS DRAWING REPLACES DRAWING A628.016

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND  
ERECTING. REFER TO 2015 IBC BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS  
INSTITUTE, 380 DOWNEY DR., SUITE 200, WATSON, VA, 22091 AND VITA CYCLO TRUSS COUNCIL  
IN AMERICA, 6000 ENTERPRISE LN, HARRISON, VT 05743 FOR SAFETY PRACTICES PRIOR TO PERFORMING  
THESE FUNCTIONS. TRUSSES DIRECTLY INDICATED, IF DAMAGED, SHALL HAVE FRAGMENTS ATTACHED  
TO ORIGINAL PANELS AND SECTION CHIEF SHALL HAVE A PHOTOGRAPH ATTACHED TO SECTION DETAIL.

JULIUS LEE'S  
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1450 BY 4TH AVENUE  
DELRAY BEACH, FL 33444-2161

|          |     |      |               |
|----------|-----|------|---------------|
| TC LL    | PSF | REF  | BOLT SPACING  |
| TC DL    | PSF | DATE | 11/26/03      |
| BC DL    | PSF | DRWG | CNBOLTSPI1103 |
| BC LL    | PSF | ENG  | JL            |
| TOT. LD. | PSF |      |               |

|           |  |
|-----------|--|
| DUR. FAC. |  |
| SPACING   |  |



REVIEWED  
By Julius Lee at 11:59 am, Jun 11, 2006

No: 34869  
STATE OF FLORIDA

# TRULOX CONNECTION DETAIL

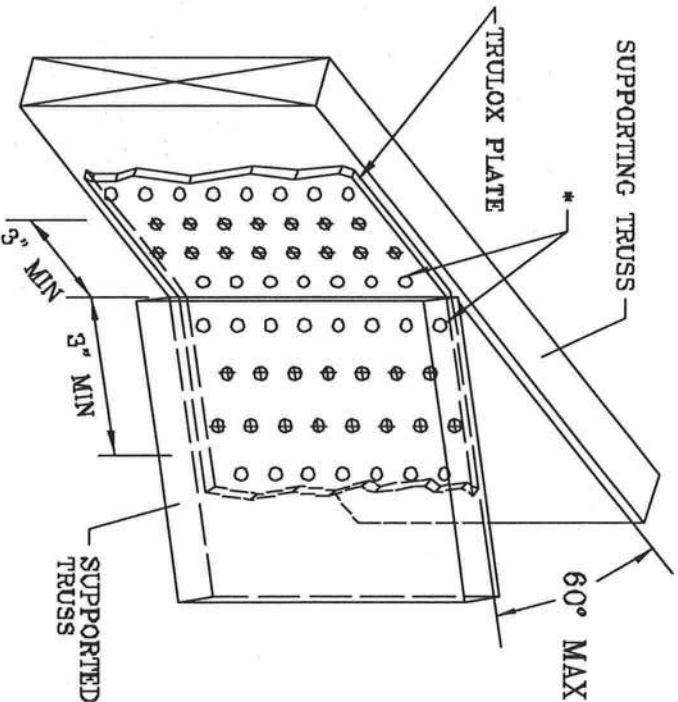
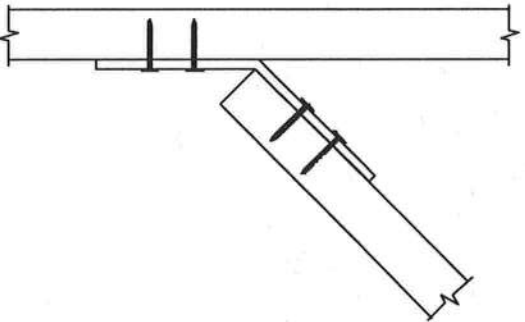
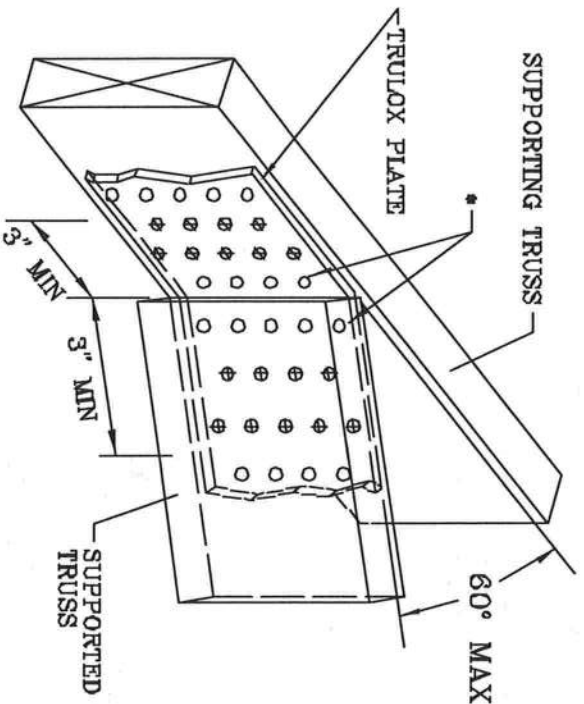
11 GAUGE (0.120" X 1.376") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

\* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE

MINIMUM 5X6 TRULOX PLATE

| TRULOX PLATE SIZE | REQUIRED NAILS PER TRUSS | MAXIMUM LOAD UP OR DOWN |
|-------------------|--------------------------|-------------------------|
| 3X6               | 9                        | 350#                    |
| 6X6               | 15                       | 990#                    |

REVIEWED  
By Julius Lee at 11:58 am, Jun 11, 2008

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R  
1,154,844 1,152,217 1,152,017 1,159,154 & 1,151,524

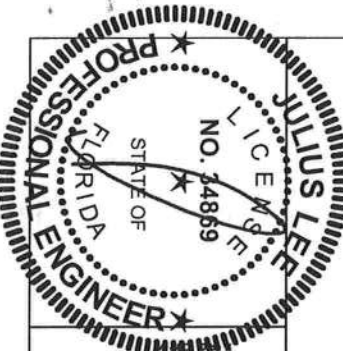
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 3031-1-03 (BUILDING DEPARTMENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS BRACING INSTITUTE, 5801 ENTERPRISE DR., SUITE 600, WATSON, VA 25719 AND VITA CYCLO TRUSS COUNCIL, 6800 AMERICA 6300 ENTERPRISE LN, WATSON, VA 25719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S  
CONS. ENGINEERS P.A.

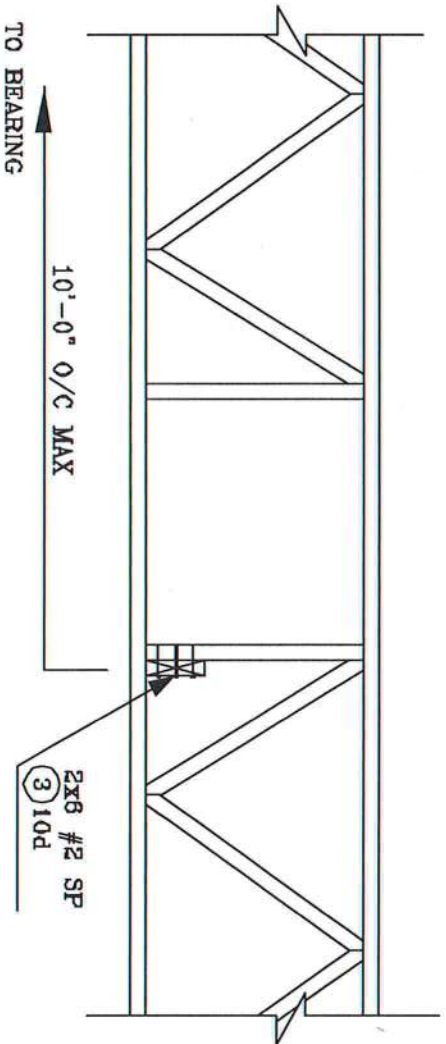
1455 SW 4TH AVENUE  
DELRAY BEACH, FL 33444-2181

| REF  | TRULOX       |
|------|--------------|
| DATE | 11/26/03     |
| DWG  | CNTRULOX1103 |
| -ENG | JL           |

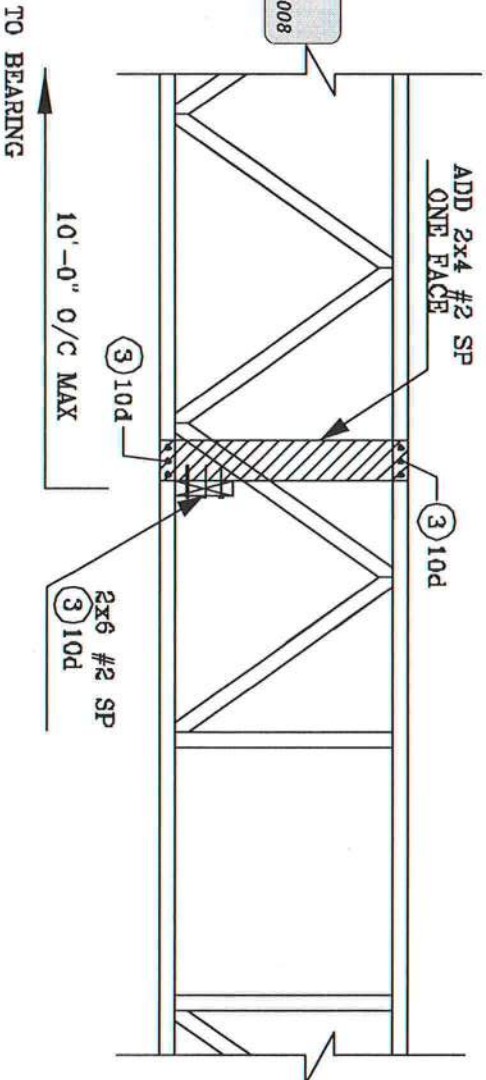
Nr: 34869  
STATE OF FLORIDA



# STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS

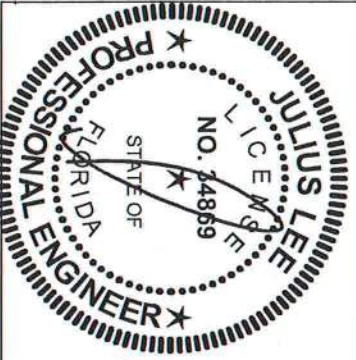


## ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



### REVIEWED

By Julius Lee at 11:58 am, Jun 11, 2008



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STATE OF FLORIDA