



Project Information for: L246425

Builder: Prudential Builders
 Lot : 10
 Subdivision: Hunnington Place
 County: Columbia
 Truss Count: 34
 Design Program: MiTek 20/20 6.3
 Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B
 Floor (psf): N/A Wind Speed (mph): 110

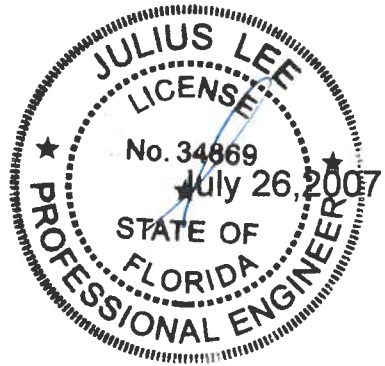
Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Justin Fitzhugh Florida License No. CRC1328401
 Address: P.O. Box 3333 Lake City, Florida

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435



Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1869659	CJ1	7/26/07	29	J1869687	T19C	7/26/07
2	J1869660	CJ3	7/26/07	30	J1869688	T19D	7/26/07
3	J1869661	CJ5	7/26/07	31	J1869689	T19E	7/26/07
4	J1869662	EJ14	7/26/07	32	J1869690	T20	7/26/07
5	J1869663	EJ14A	7/26/07	33	J1869691	T20G	7/26/07
6	J1869664	EJ5	7/26/07	34	J1869692	T21	7/26/07
7	J1869665	EJ7	7/26/07				
8	J1869666	HJ7	7/26/07				
9	J1869667	HJ9	7/26/07				
10	J1869668	PB01	7/26/07				
11	J1869669	PB02	7/26/07				
12	J1869670	T01	7/26/07				
13	J1869671	T02	7/26/07				
14	J1869672	T03	7/26/07				
15	J1869673	T04	7/26/07				
16	J1869674	T05	7/26/07				
17	J1869675	T06	7/26/07				
18	J1869676	T07	7/26/07				
19	J1869677	T08	7/26/07				
20	J1869678	T13	7/26/07				
21	J1869679	T15	7/26/07				
22	J1869680	T15A	7/26/07				
23	J1869681	T15G	7/26/07				
24	J1869682	T16	7/26/07				
25	J1869683	T17	7/26/07				
26	J1869684	T18	7/26/07				
27	J1869685	T19	7/26/07				
28	J1869686	T19B	7/26/07				

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Weight: 6 lb

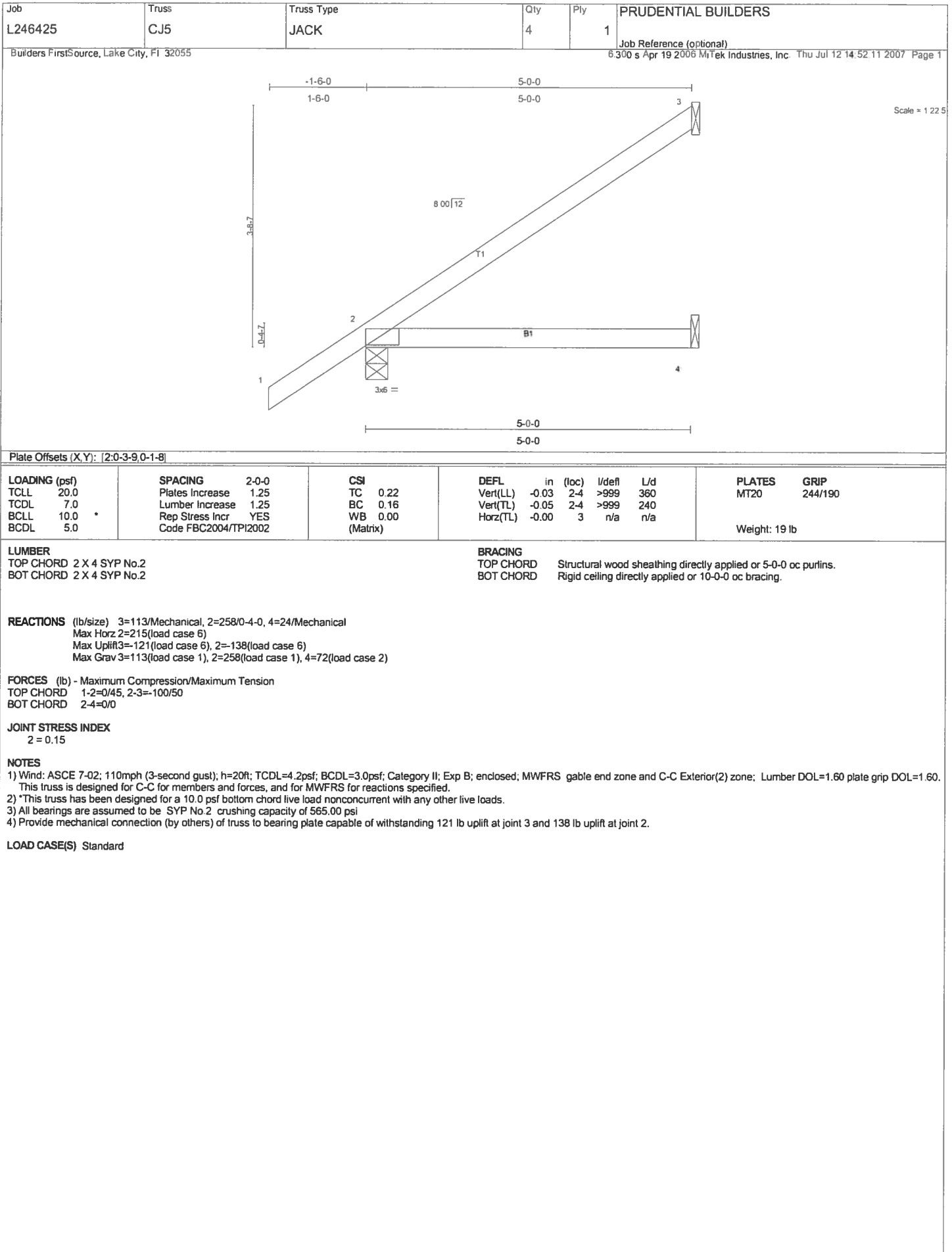
LOAD CASE(S) Standard

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Weight: 13 lb

LOAD CASE(S) Standard



Job L246425	Truss EJ5	Truss Type JACK	Qty 4	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6/30/06 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 12 14:52:20 2007 Page 1		

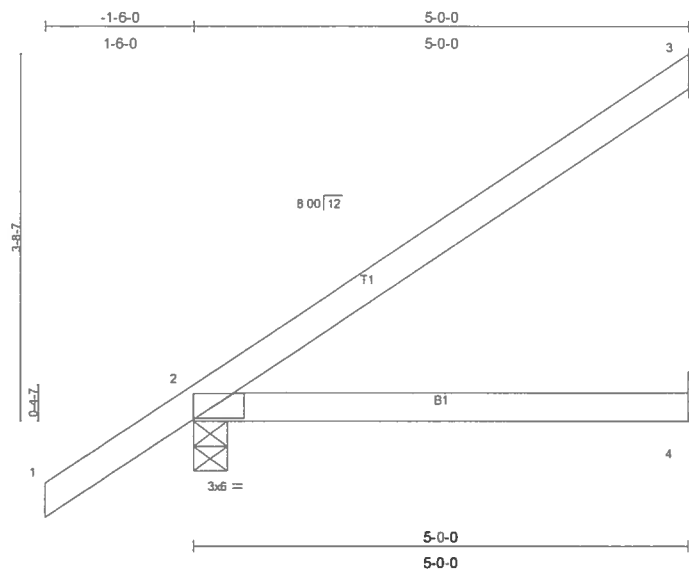


Plate Offsets (X,Y): [2:0-3:9,0-1:8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.16	Vert(TL)	-0.05	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: 19 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS

(lb/size) 3=113/Mechanical, 2=258/0-4-0, 4=24/Mechanical
Max Horz 2=215(load case 6)
Max Uplift 3=121(load case 6), 2=138(load case 6)
Max Grav 3=113(load case 1), 2=258(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=100/50
BOT CHORD 2-4=0/0

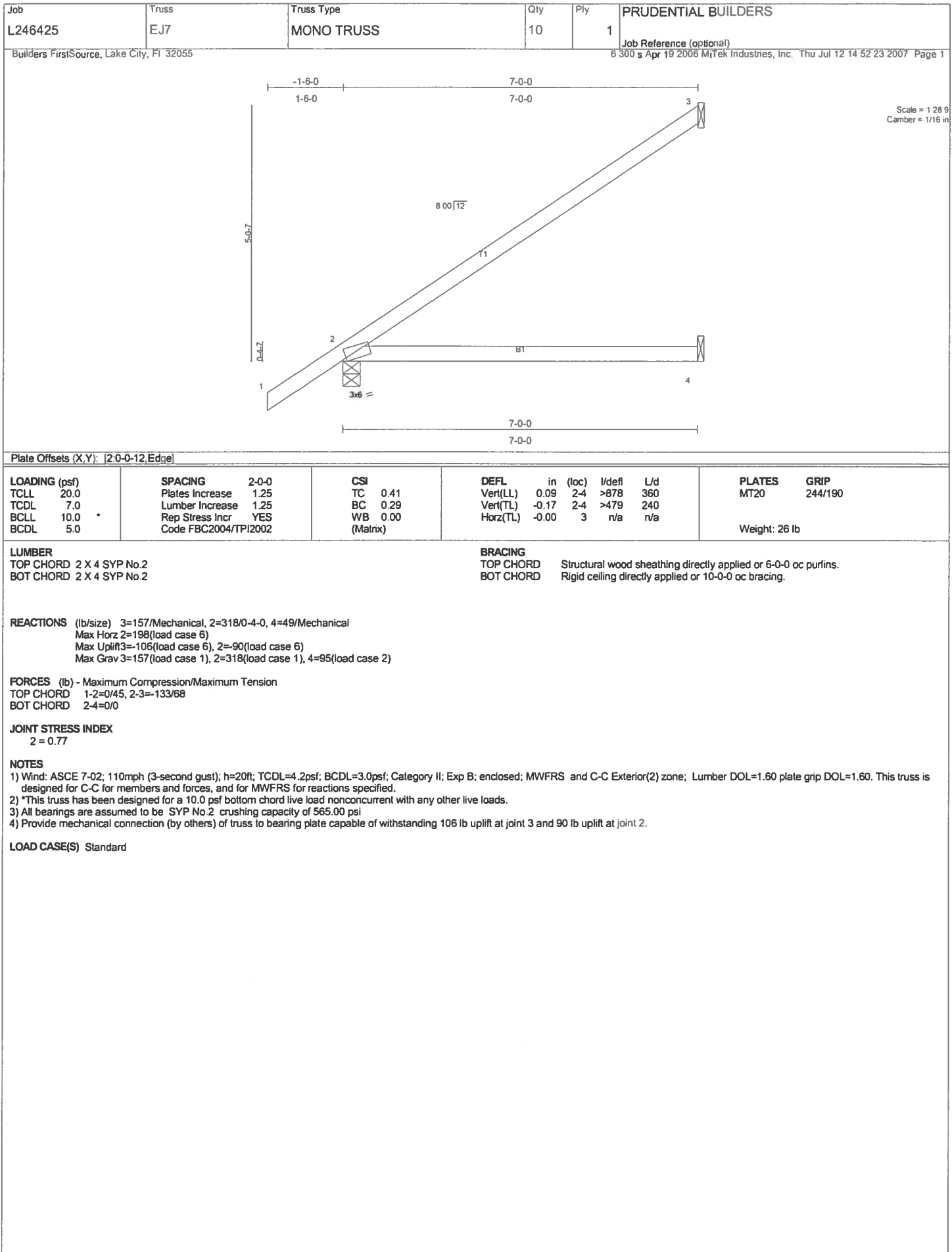
JOINT STRESS INDEX

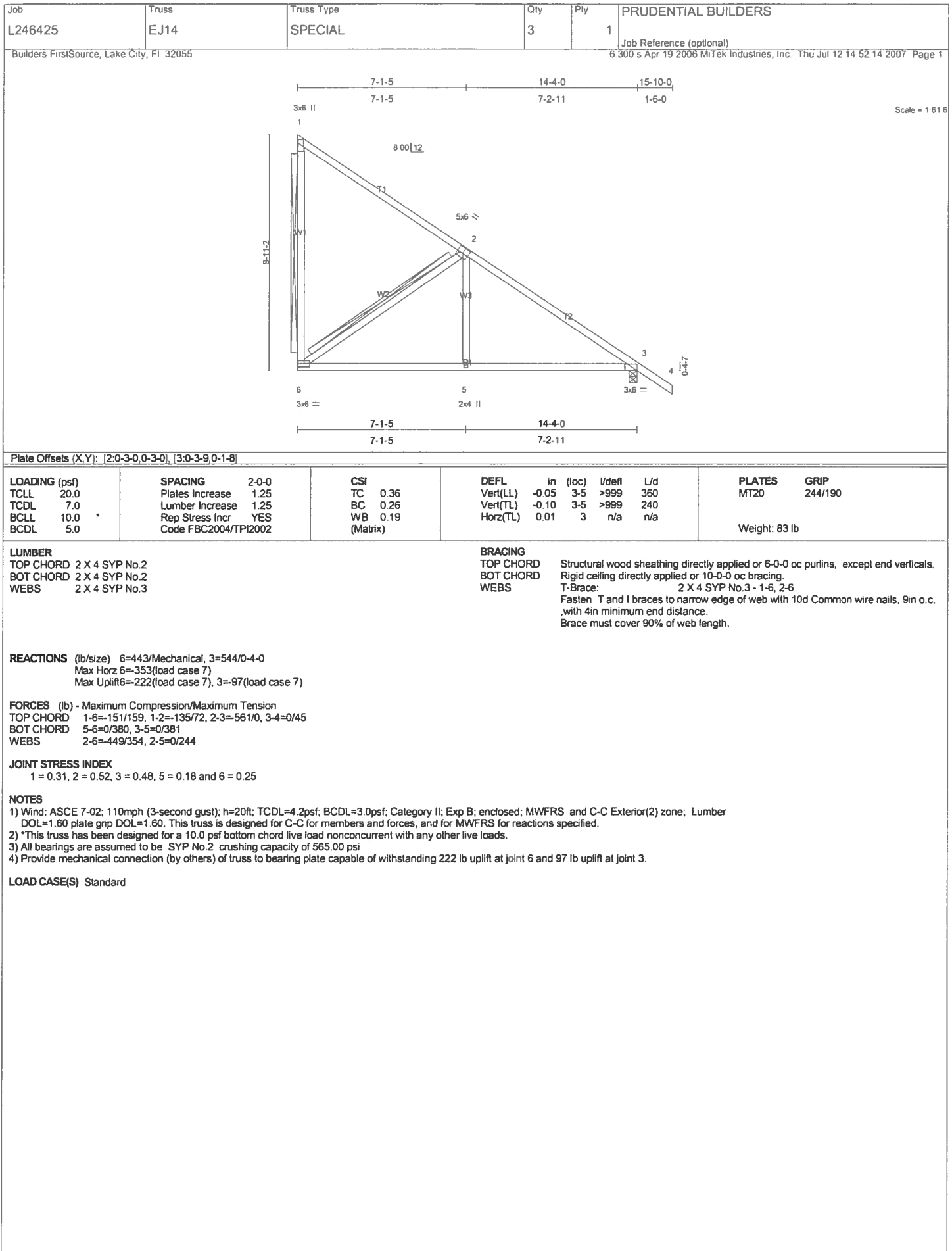
2 = 0.15

NOTES

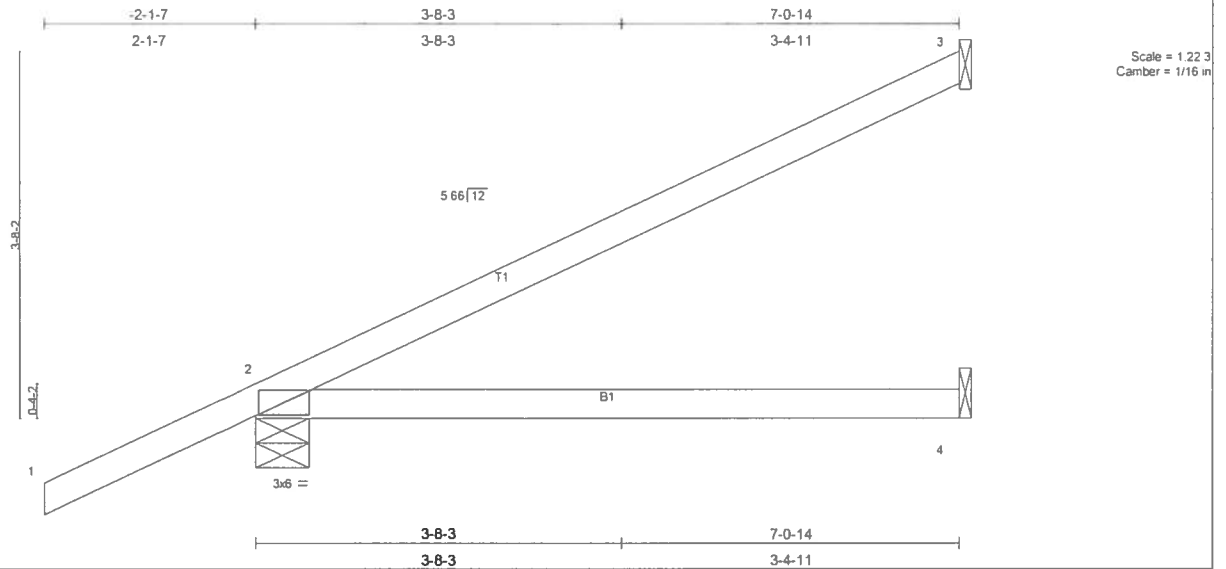
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) *This truss 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 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard





Job L246425	Truss HJ7	Truss Type JACK	Qty 2	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14:52:27 2007 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.45	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(TL)	-0.14	2-4	>562	240		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002							Weight: 26 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 7-0-14 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

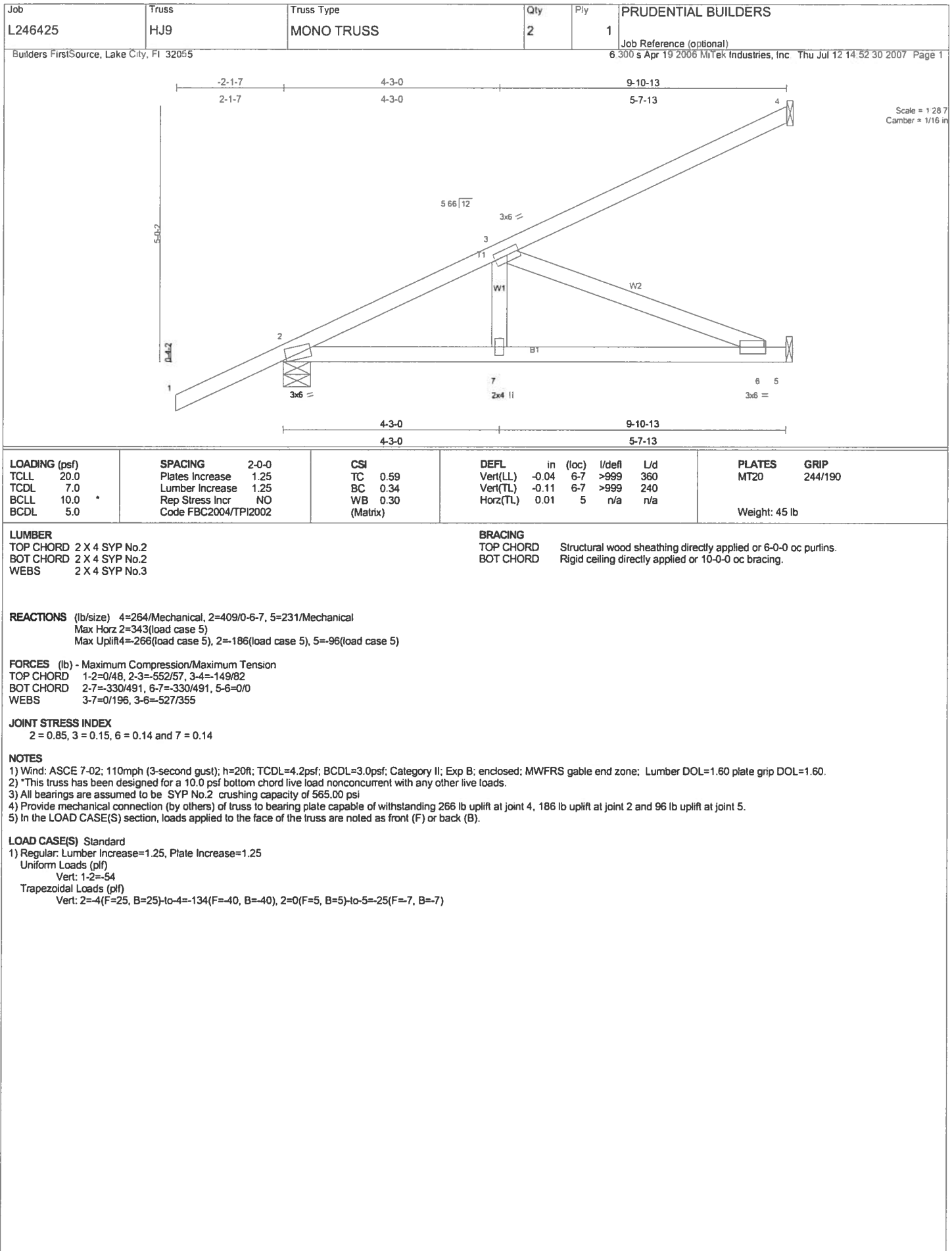
REACTIONS (lb/size) 3=191/Mechanical, 2=287/0-6-7, 4=45/Mechanical
Max Horz 2=201(load case 5)
Max Uplift 3=174(load case 5), 2=171(load case 5)
Max Grav 3=191(load case 1), 2=287(load case 1), 4=98(load case 2)

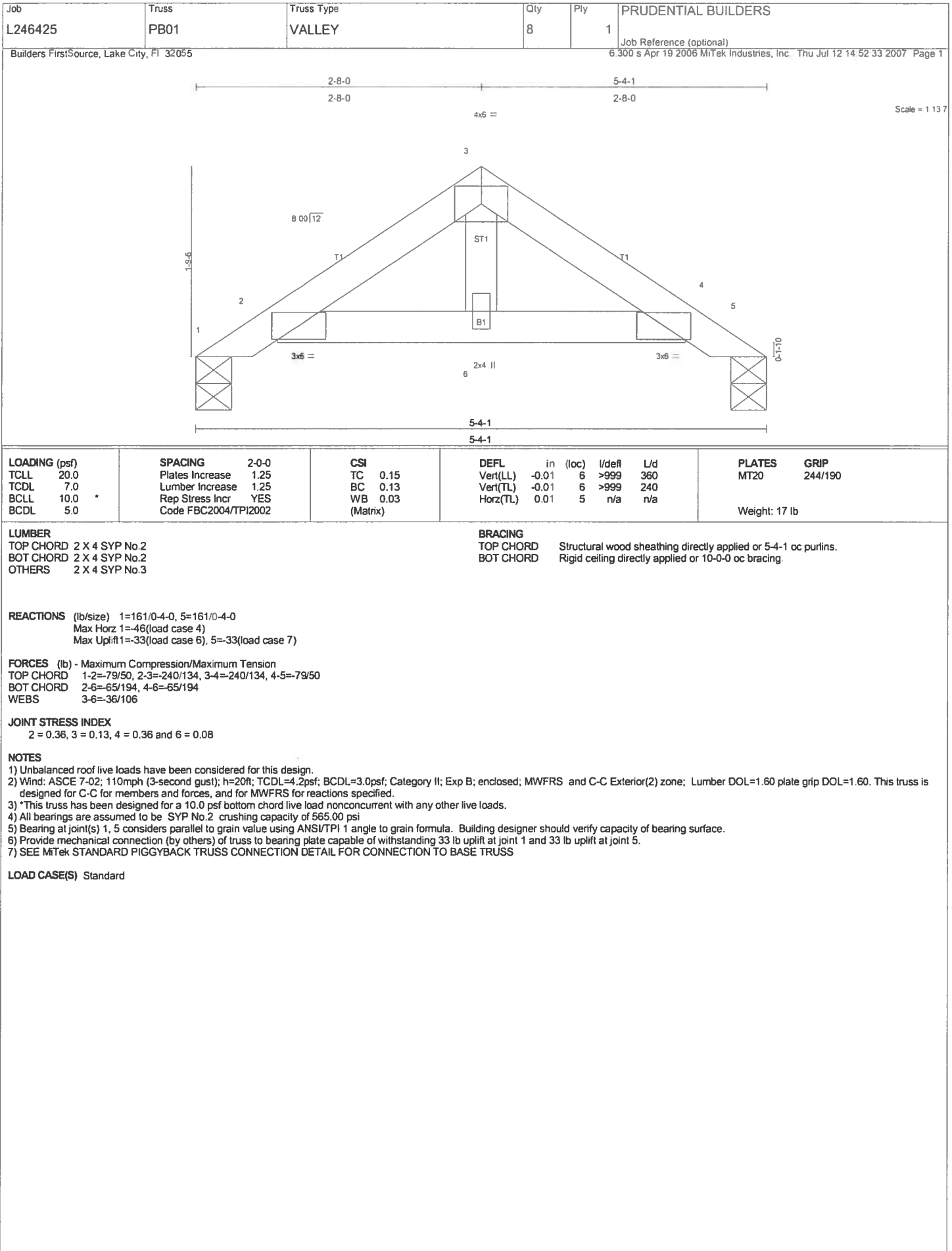
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=100/57
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.41

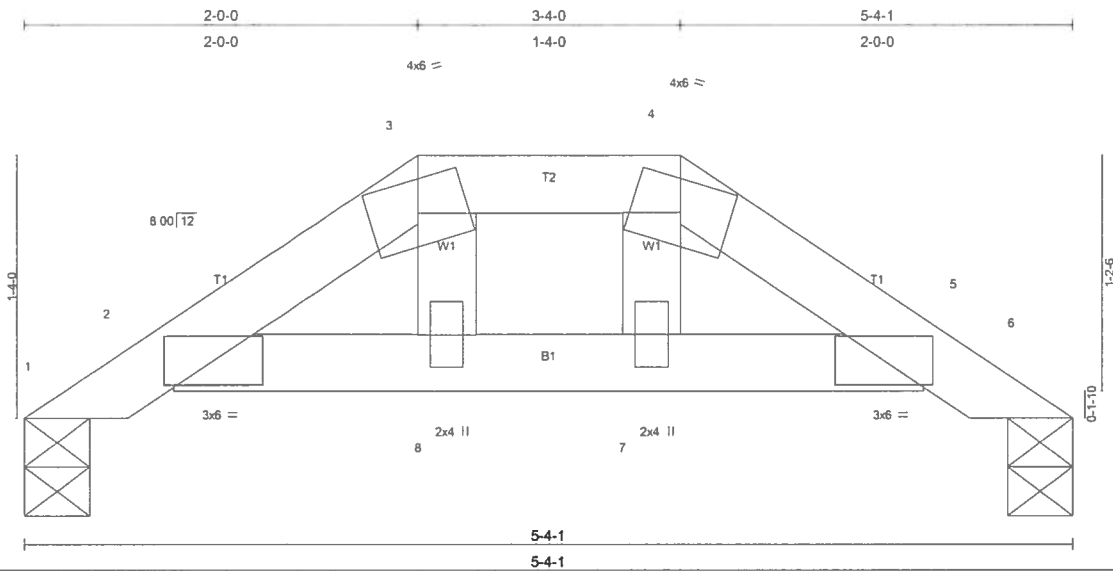
NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings 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 174 lb uplift at joint 3 and 171 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=4(F=25, B=25)-to-3=-95(F=-21, B=-21), 2=0(F=5, B=5)-to-4=-18(F=-4, B=-4)





Job L246425	Truss PB02	Truss Type VALLEY	Qty 2	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 52 37 2007 Page 1



Scale = 1 1/3

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.12	Ver(LL) -0.01 8 >999 360		
BCLL 10.0	Rep Stress Incr YES	WB 0.02	Ver(TL) -0.01 8 >999 240		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
				Weight: 17 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size)	1=161/0-4-0, 6=161/0-4-0
	Max Horz 1=-34(load case 4)
	Max Uplift 1=-30(load case 6), 6=-30(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-79/58, 2-3=-266/181, 3-4=-227/183, 4-5=-266/181, 5-6=-79/58
BOT CHORD 2-8=-117/220, 7-8=-120/227, 5-7=-117/220
WEBS 3-8=-17/60, 4-7=-17/60

JOINT STRESS INDEX
2 = 0.33, 3 = 0.07, 4 = 0.07, 5 = 0.33, 7 = 0.04 and 8 = 0.04

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; 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) Bearing at joint(s) 1, 6 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 30 lb uplift at joint 1 and 30 lb uplift at joint 6.
 - 8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

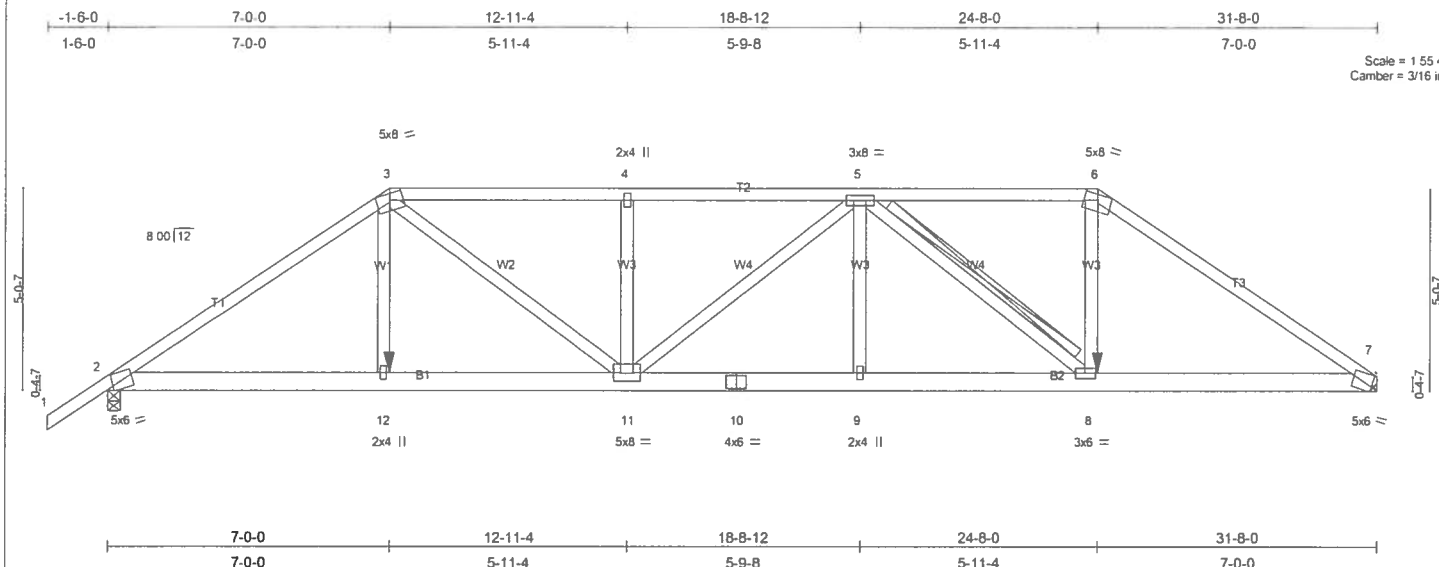
LOAD CASE(S) Standard

Job L246425	Truss T01	Truss Type HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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Scale = 1/55 4
Camber = 3/16 in

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.59	Vert(LL) -0.17 9-11 >999 360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.42	Vert(TL) -0.33 9-11 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.55	Horz(TL) 0.09 7 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			
				Weight: 185 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.10
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 2-10-14 oc purlins.
Rigid ceiling directly applied or 7-4-12 oc bracing.
T-Brace: 2 X 4 SYP No.3 - 5-8
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) 7=1944/Mechanical, 2=2050/0-4-0
Max Horz 2=148(load case 4)
Max Uplift 7=650(load case 3), 2=672(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-3249/1126, 3-4=-3525/1300, 4-5=-3524/1300, 5-6=-2646/997, 6-7=-3242/1126
BOT CHORD 2-12=-989/2608, 11-12=-985/2592, 10-11=-1286/3540, 9-10=-1286/3540, 8-9=-1286/3540, 7-8=-862/2606
WEBS 3-12=-125/527, 3-11=-553/1270, 4-11=-637/379, 5-11=-54/49, 5-9=0/221, 5-8=-1242/547, 6-8=-430/1273

JOINT STRESS INDEX

2 = 0.87, 3 = 0.86, 4 = 0.34, 5 = 0.60, 6 = 0.86, 7 = 0.85, 8 = 0.83, 9 = 0.34, 10 = 0.94, 11 = 0.59 and 12 = 0.38

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 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 650 lb uplift at joint 7 and 672 lb uplift at joint 2.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 171 lb up at 24-8-0, and 411 lb down and 171 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-105(F=-51), 6-7=-54, 2-12=-10, 8-12=-20(F=-10), 7-8=-10
Concentrated Loads (lb)
Vert: 12=-411(F) 8=-411(F)

Job L246425	Truss T02	Truss Type HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 12 14 52 44 2007 Page 1

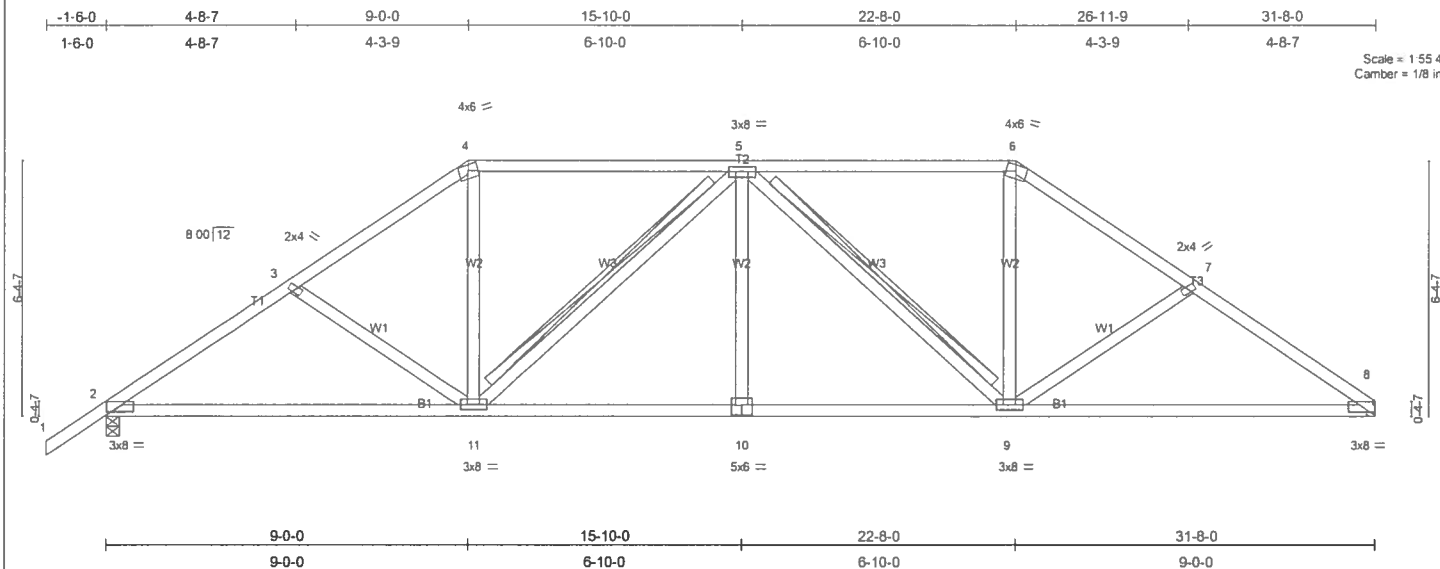


Plate Offsets (X,Y): [2:0-8-3,0-1-2], [8:0-8-3,0-1-2], [10:0-3-0,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.52	Vert(LL) -0.14 8-9 >999 360		
BCLL 10.0	Rep Stress Incr YES	WB 0.19	Vert(TL) -0.27 8-9 >999 240		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.07 8 n/a n/a		
Weight: 170 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	Rigid ceiling directly applied or 8-4-8 oc bracing.
WEBS 2 X 4 SYP No.3	T-Brace: 2 X 4 SYP No.3 - 5-11, 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) 8=1001/Mechanical, 2=1096/0-4-0
Max Horz 2=186(load case 5)
Max Uplift 8=215(load case 4), 2=248(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1544/744, 3-4=-1347/702, 4-5=-1083/650, 5-6=-1091/660, 6-7=-1358/716, 7-8=-1548/767
BOT CHORD 2-11=-525/1210, 10-11=-522/1328, 9-10=-522/1328, 8-9=-554/1232
WEBS 3-11=-168/173, 4-11=-168/429, 5-11=-411/218, 5-10=0/164, 5-9=-405/214, 6-9=-180/431, 7-9=-186/196

JOINT STRESS INDEX
2 = 0.73, 3 = 0.34, 4 = 0.59, 5 = 0.57, 6 = 0.59, 7 = 0.34, 8 = 0.73, 9 = 0.57, 10 = 0.37 and 11 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 215 lb uplift at joint 8 and 248 lb uplift at joint 2.

LOAD CASE(S) Standard

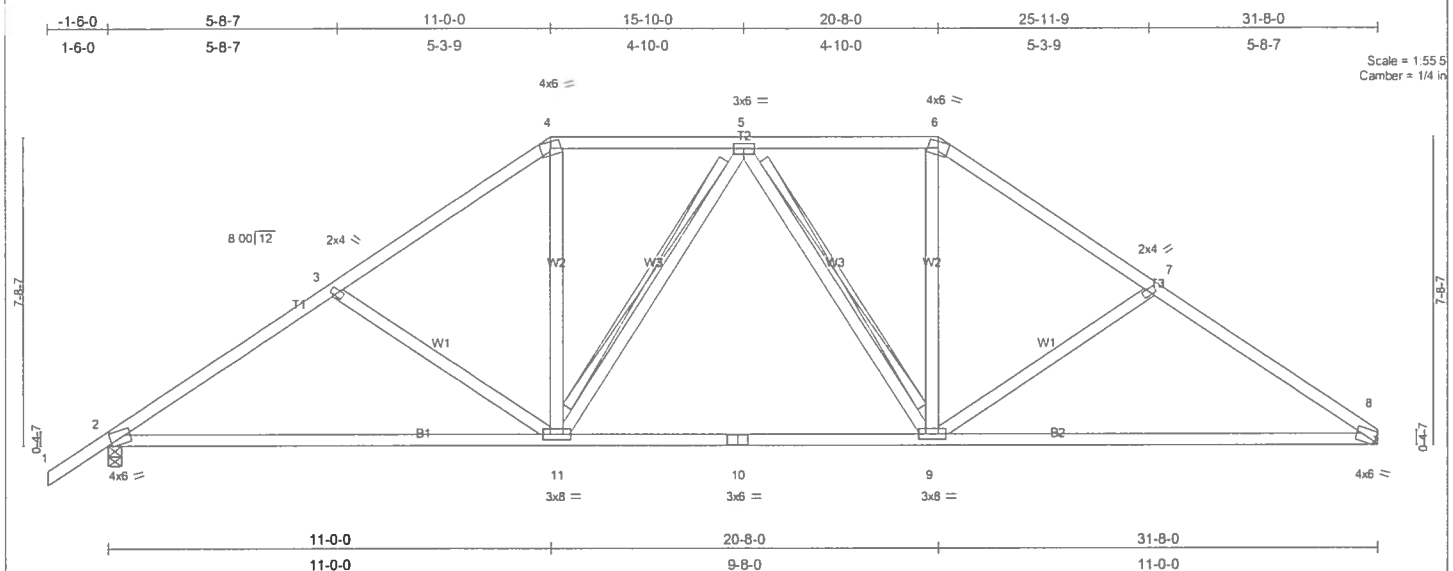


Plate Offsets (X,Y): [2:0-1-1,Edge], [8:0-1-1,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.37	Vert(LL)	-0.30	8-9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.51	Vert(TL)	-0.56	8-9	>674	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.22	Horz(TL)	0.06	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 169 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 4-8-2 oc purlins.

BOT CHORD Rigid ceiling directly applied or 8-5-15 oc bracing.

WEBS T-Brace: 2 X 4 SYP No.3 - 5-11, 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) 8=1001/Mechanical, 2=1096/0-4-0

Max Horz 2=223(load case 5)

Max Uplift 8=188(load case 7), 2=261(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1525/732, 3-4=-1263/666, 4-5=-987/624, 5-6=-992/631, 6-7=-1270/675, 7-8=-1521/749

BOT CHORD 2-11=-505/1193, 10-11=-355/1066, 9-10=-355/1066, 8-9=-527/1210

WEBS 3-11=-262/249, 4-11=-161/405, 5-11=-254/188, 5-9=-247/185, 6-9=-170/407, 7-9=-277/269

JOINT STRESS INDEX

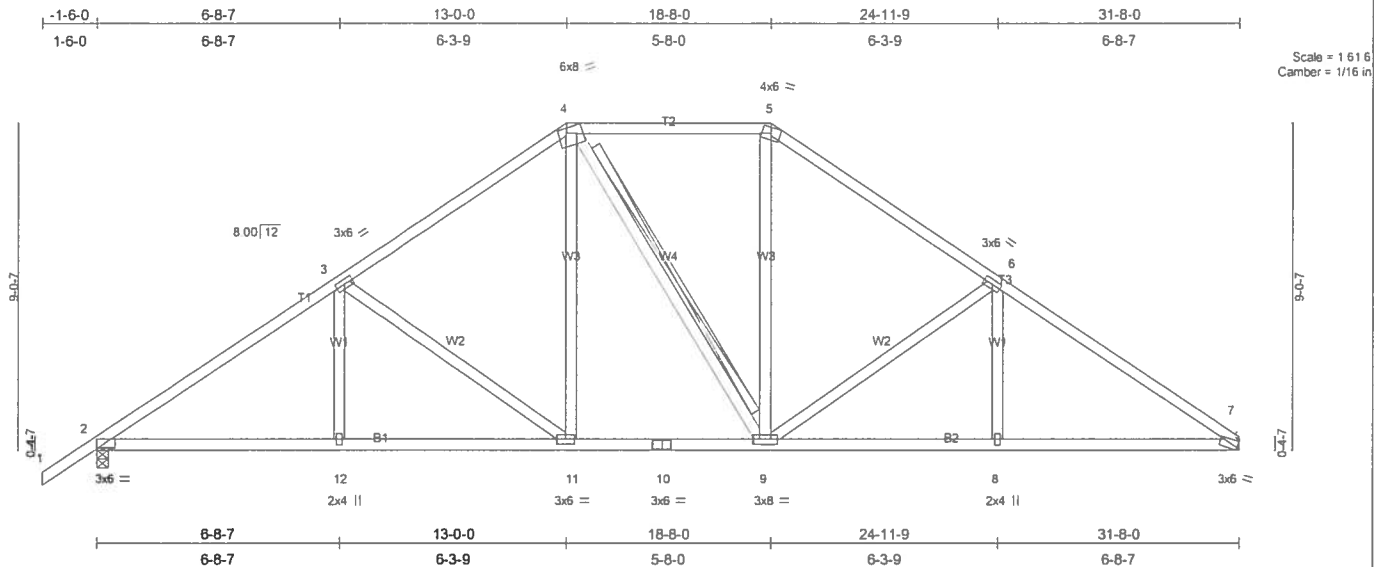
2 = 0.93, 3 = 0.34, 4 = 0.54, 5 = 0.43, 6 = 0.54, 7 = 0.34, 8 = 0.93, 9 = 0.59, 10 = 0.38 and 11 = 0.59

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 188 lb uplift at joint 8 and 261 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L246425	Truss T04	Truss Type HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)

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Scale = 1/61.6
Camber = 1/16 in

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [4:0-2-11,0-1-12], [7:0-0-12,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl l/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.38	Vert(LL) 0.08 7-8 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.43	Vert(TL) -0.13 7-8 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 7 n/a n/a		
	Code FBC2004/TPI2002				
					Weight: 180 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 4-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-9
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) 7=1001/Mechanical, 2=1096/0-4-0
Max Horz 2=260(load case 5)
Max Uplift 7=198(load case 7), 2=271(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1540/693, 3-4=-1160/639, 4-5=-889/609, 5-6=-1163/642, 6-7=-1556/714
BOT CHORD 2-12=-461/1190, 11-12=-461/1190, 10-11=-227/887, 9-10=-227/887, 8-9=-484/1207, 7-8=-484/1207
WEBS 3-12=0/215, 3-11=-376/288, 4-11=-131/324, 4-9=-142/142, 5-9=-139/326, 6-9=-395/314, 6-8=0/217

JOINT STRESS INDEX

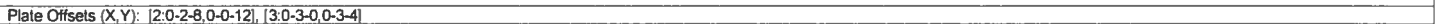
2 = 0.72, 3 = 0.43, 4 = 0.76, 5 = 0.59, 6 = 0.43, 7 = 0.82, 8 = 0.34, 9 = 0.59, 10 = 0.32, 11 = 0.35 and 12 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; 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 198 lb uplift at joint 7 and 271 lb uplift at joint 2.

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

Job L246425	Truss T06	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 52 58 2007 Page 1		

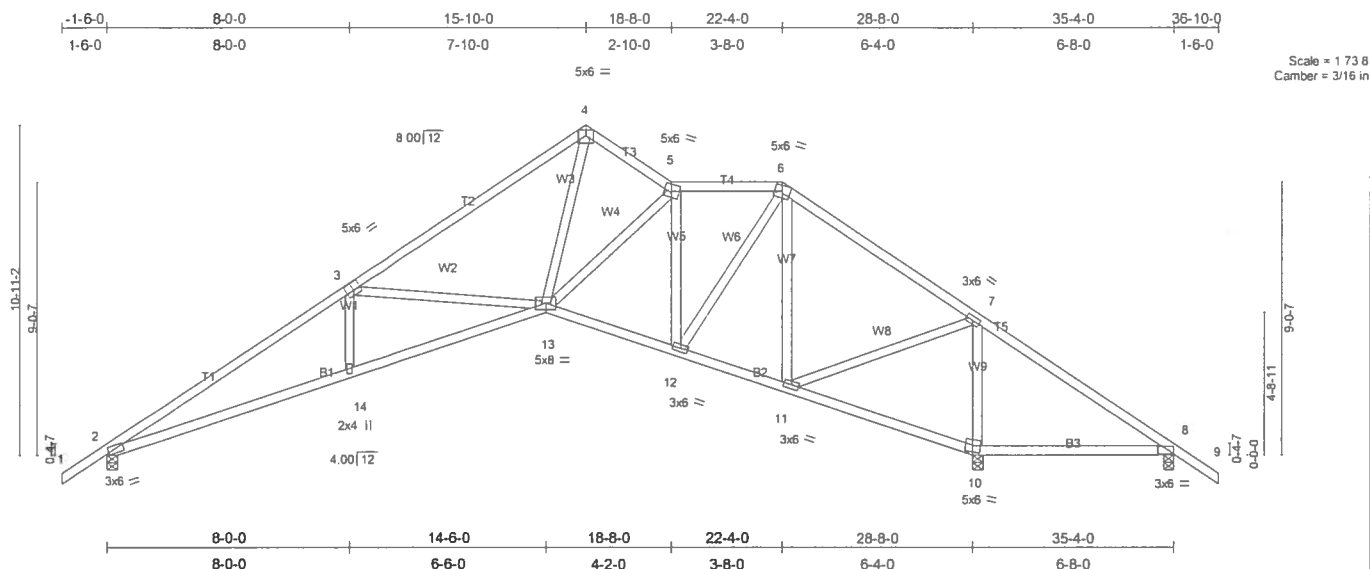


Plate Offsets (X,Y): [2.0-2-13, Edge], [3.0-3-0, 0-3-4], [8.0-3-9, 0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	0.13	2-14	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.47	Vert(TL)	-0.27	2-14	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Horz(TL)	0.17	10	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 195 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 3-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size)

2=853/0-4-0, 10=1922/0-4-0, 8=355/0-4-0
Max Horz 2=294(load case 4)
Max Uplift 2=238(load case 6), 10=414(load case 6), 8=410(load case 10)
Max Grav 2=853(load case 1), 10=1922(load case 1), 8=52(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=-1961/765, 3-4=-1158/414, 4-5=-842/382, 5-6=-551/362, 6-7=-364/233, 7-8=-313/1189, 8-9=0/45
BOT CHORD 2-14=483/1621, 13-14=480/1608, 12-13=83/606, 11-12=0/245, 10-11=-1005/449, 8-10=-890/392
WEBS 3-14=0/243, 3-13=-674/531, 4-13=-196/700, 5-13=-104/285, 5-12=-641/182, 6-12=-166/658, 6-11=-748/237, 7-11=-254/1190, 7-10=-1519/631

JOINT STRESS INDEX

2 = 0.68, 3 = 0.82, 4 = 0.58, 5 = 0.26, 6 = 0.54, 7 = 0.69, 8 = 0.57, 10 = 0.83, 11 = 0.64, 12 = 0.56, 13 = 0.57 and 14 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grp 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
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2, 414 lb uplift at joint 10 and 410 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L246425	Truss T07	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 53 02 2007 Page 1

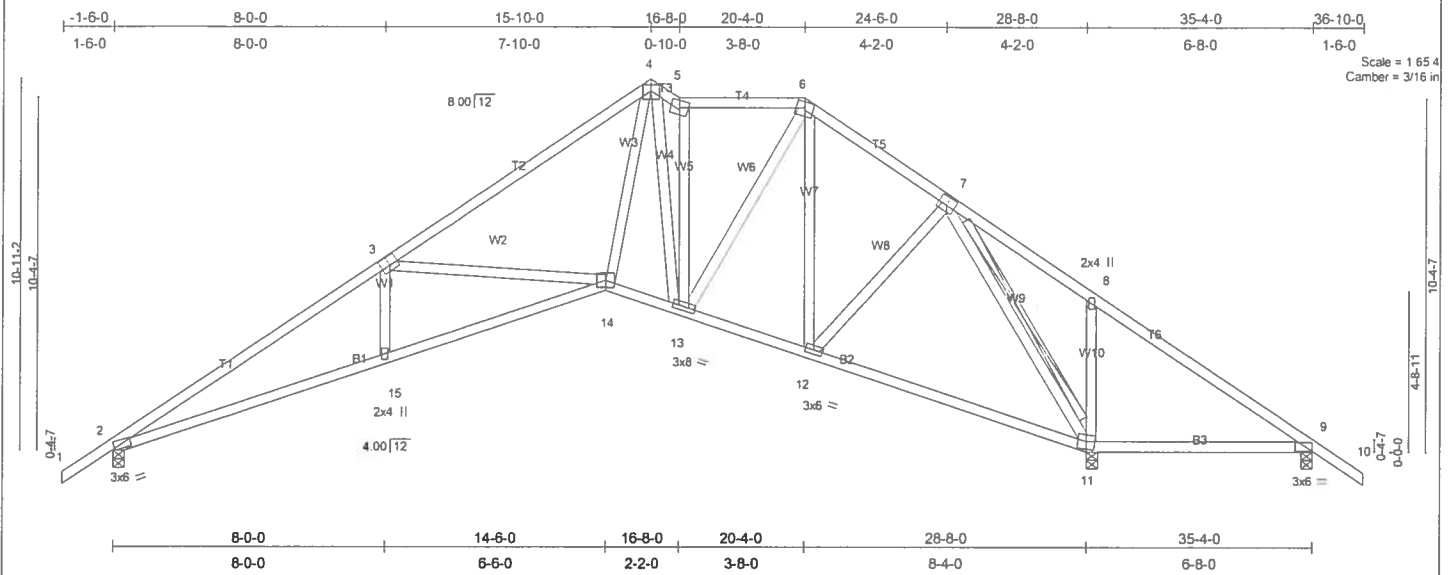


Plate Offsets (X,Y): [2.0-2.13,Edge], [3.0-3.0,0-3.4], [7.0-3.0,0-3.0], [9.0-3.9,0-1.8]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def L/d	PLATES MT20	GRIP 244/190
TCLL 20.0	Plates Increase 1.25	TC 0.47	Vert(LL) 0.13 2-15 >999 360		
TCDL 7.0	Lumber Increase 1.25	BC 0.48	Vert(TL) -0.27 2-15 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.67	Horz(TL) 0.19 11 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			
Weight: 211 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins.
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 - 7-11
	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=873/0-4-0, 11=1814/0-4-0, 9=267/0-4-0
Max Horz 2=-294(load case 4)
Max Uplift 2=-240(load case 6), 11=-402(load case 6), 9=-341(load case 10)
Max Grav 2=873(load case 1), 11=1814(load case 1), 9=40(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2027/772, 3-4=-1226/425, 4-5=-665/316, 5-6=-670/384, 6-7=-513/320, 7-8=-202/983, 8-9=-314/1037, 9-10=0/45
BOT CHORD 2-15=-518/1678, 14-15=-515/1662, 13-14=-173/764, 12-13=-42/413, 11-12=-125/223, 9-11=-769/397
WEBS 3-15=0/246, 3-14=-669/524, 4-14=-208/891, 4-13=-468/186, 5-13=-331/33, 6-13=-214/564, 6-12=-486/197, 7-12=-141/563, 7-11=-1579/424, 8-11=-338/338

JOINT STRESS INDEX
2 = 0.71, 3 = 0.80, 4 = 0.65, 5 = 0.20, 6 = 0.35, 7 = 0.46, 8 = 0.34, 9 = 0.64, 11 = 0.78, 12 = 0.43, 13 = 0.69, 14 = 0.65 and 15 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch 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 plates are 5x6 MT20 unless otherwise indicated.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 240 lb uplift at joint 2, 402 lb uplift at joint 11 and 341 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L246425	Truss T08	Truss Type SPECIAL	Qty 7	Ply 1	PRUDENTIAL BUILDERS Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 53 05 2007 Page 1
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Builders FirstSource, Lake City, Fl 32055

Plate Offsets (X,Y): [2-0-2-14 Edge], [3-0-3-0,0-3-4], [4-0-2-0 Edge], [7-0-3-0,0-3-0], [8-0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	0.13	8-10	>609	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Vert(TL)	-0.26	2-13	>999	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.66	Horz(TL)	0.18	10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 192 lb										

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS T-Brace: 2 X 4 SYP No.3 - 6-10 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=878/0-4-0, 10=1790/0-4-0, 8=248/0-4-0
Max Horz 2=-279(load case 4)
Max Uplift 2=-238(load case 6), 10=-393(load case 6), 8=-394(load case 4)
Max Grav 2=878(load case 1), 10=1790(load case 1), 8=53(load case 5)

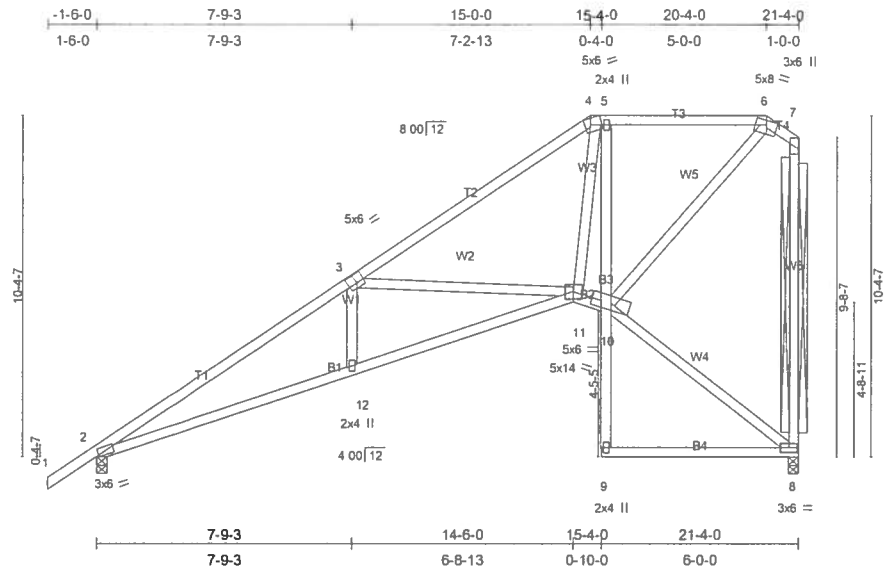
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2051/786, 3-4=-1259/438, 4-5=-924/448, 5-6=-528/328, 6-7=-223/953, 7-8=-312/1001, 8-9=0/45
BOT CHORD 2-13=-550/1699, 12-13=-548/1688, 11-12=-56/432, 10-11=-87/216, 8-10=-739/395
WEBS 3-13=0/240, 3-12=-646/514, 5-12=-287/719, 5-11=-468/213, 6-11=-162/549, 6-10=-1571/435, 7-10=-337/337, 4-12=0/349

JOINT STRESS INDEX
2 = 0.70, 3 = 0.75, 4 = 0.70, 5 = 0.33, 6 = 0.55, 7 = 0.73, 8 = 0.63, 10 = 0.77, 11 = 0.42, 12 = 0.60 and 13 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch 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 238 lb uplift at joint 2, 393 lb uplift at joint 10 and 394 lb uplift at joint 8.
8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

Job L246425	Truss T13	Truss Type SPECIAL	Qty 4	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MtTek Industries, Inc. Thu Jul 12 14 53 09 2007 Page 1



Scale = 1/8" = 1'-0"

Plate Offsets (X,Y): [2:0-2-14,Edge], [3:0-3-0,0-3-4], [4:0-2-0,Edge]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.99	Vert(LL) 0.17 11-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.54	Vert(TL) -0.25 11-12	>999	240		
BCLL 10.0	Rep Stress Incr YES	WB 0.58	Horz(TL) 0.25 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)					
							Weight: 144 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD 2 X 4 SYP No.2 *Except*	Rigid ceiling directly applied or 6-1-11 oc bracing.
B3 2 X 4 SYP No.3	I-Brace: 2 X 4 SYP No.3 - 7-8
WEBS 2 X 4 SYP No.3	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.

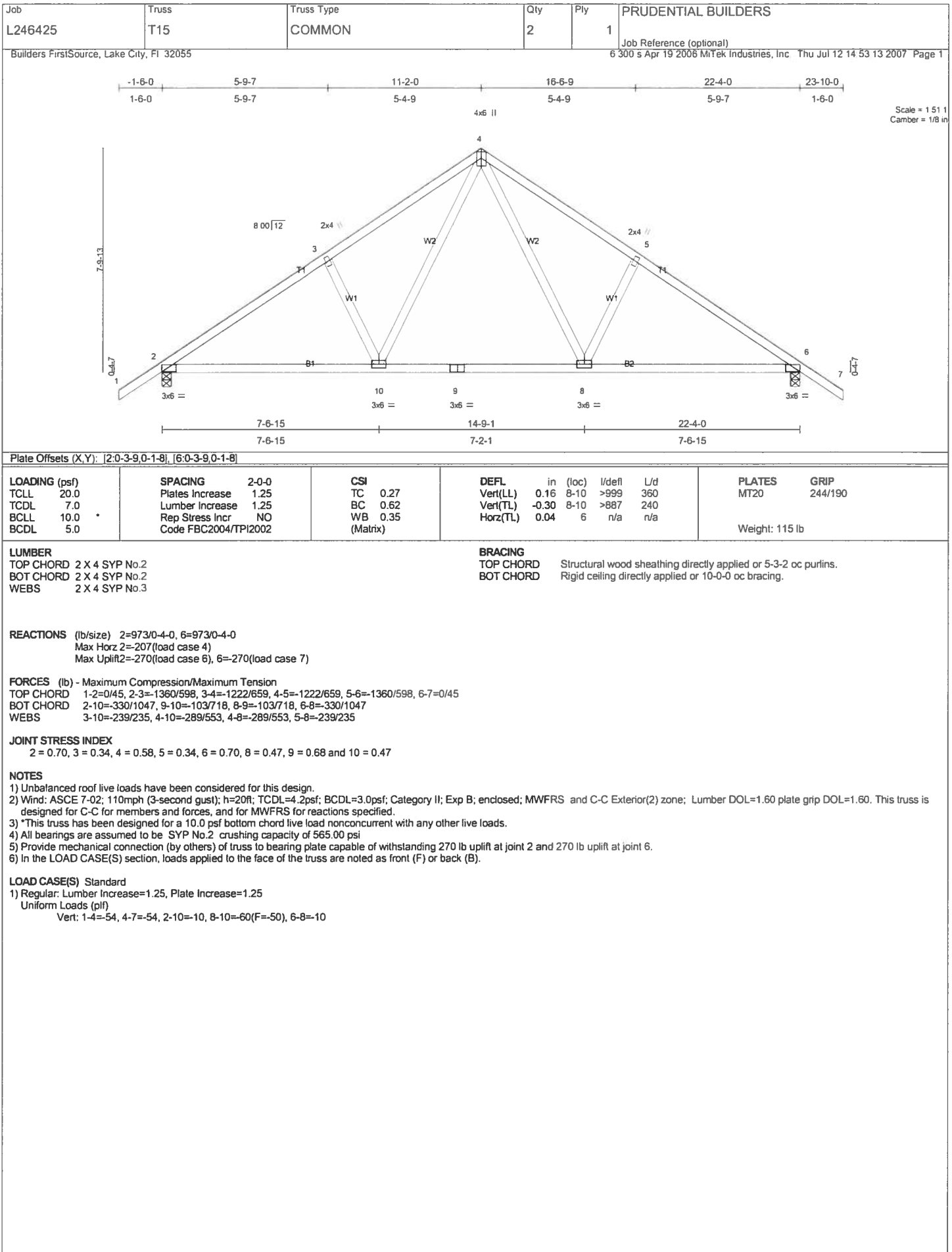
REACTIONS (lb/size) 2=766/0-4-0, 8=669/0-4-0
Max Horz 2=358(load case 6)
Max Uplift2=177(load case 6), 8=217(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-1685/787, 3-4=-841/412, 4-5=-553/402, 5-6=-547/392, 6-7=-392/266, 7-8=-646/436
BOT CHORD 2-12=-995/1383, 11-12=-985/1361, 10-11=-360/562, 9-10=0/79, 5-10=-614/369, 8-9=-2/15
WEBS 3-12=0/261, 3-11=-692/535, 6-10=-530/786, 4-11=-273/559, 8-10=-35/38

JOINT STRESS INDEX
2 = 0.64, 3 = 0.74, 4 = 0.69, 5 = 0.54, 6 = 0.68, 7 = 0.62, 8 = 0.59, 9 = 0.60, 10 = 0.47, 11 = 0.54 and 12 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 177 lb uplift at joint 2 and 217 lb uplift at joint 8.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



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LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 1-9=-10, 7-9=-60(F=50), 5-7=-10

Job L246425	Truss T15G	Truss Type GABLE	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 12 14 53 20 2007 Page 1		

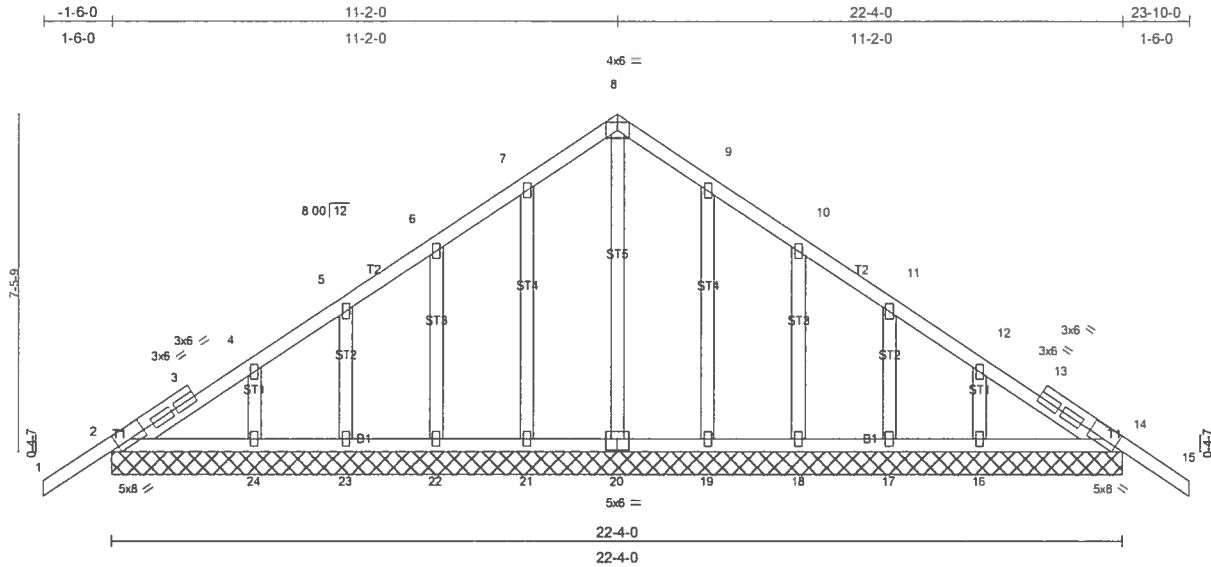


Plate Offsets (X,Y): [2:0-4-5,0-1-12], [14:0-4-5,0-1-12], [20:0-3-0,0-3-0]

LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2004/TP12002	CSI TC 0.22 BC 0.05 WB 0.14 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.01 15 n/r 120 Vert(TL) -0.01 15 n/r 90 Horz(TL) 0.01 14 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 136 lb
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LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 OTHERS 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.
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REACTIONS (lb/size) 2=307/22-4-0, 14=307/22-4-0, 20=175/22-4-0, 21=193/22-4-0, 22=198/22-4-0, 23=179/22-4-0, 24=250/22-4-0, 19=193/22-4-0, 18=198/22-4-0, 17=179/22-4-0, 16=250/22-4-0
Max Horz 2=253(load case 4)
Max Uplift 2=117(load case 6), 14=141(load case 7), 21=113(load case 6), 22=126(load case 6), 23=126(load case 6), 24=111(load case 6), 19=110(load case 7), 18=127(load case 7), 17=124(load case 7), 16=117(load case 7)
Max Grav 2=307(load case 1), 14=307(load case 1), 20=175(load case 1), 21=197(load case 10), 22=198(load case 1), 23=179(load case 10), 24=250(load case 1), 19=197(load case 11), 18=198(load case 1), 17=179(load case 11), 16=250(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=5/70, 2-3=194/150, 3-4=191/154, 4-5=144/147, 5-6=95/141, 6-7=66/169, 7-8=66/214, 8-9=66/214, 9-10=66/153, 10-11=64/80, 11-12=71/51, 12-13=101/64, 13-14=103/60, 14-15=5/70
BOT CHORD 2-24=36/189, 23-24=36/189, 22-23=36/189, 21-22=36/189, 20-21=36/189, 19-20=36/189, 18-19=36/189, 17-18=36/189, 16-17=36/189, 14-16=36/189
WEBS 8-20=155/4, 7-21=178/125, 6-22=177/145, 5-23=163/137, 4-24=220/144, 9-19=178/124, 10-18=177/145, 11-17=163/137, 12-16=220/144

JOINT STRESS INDEX
2 = 0.42, 3 = 0.00, 3 = 0.23, 3 = 0.23, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.28, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.00, 13 = 0.23, 13 = 0.23, 14 = 0.42, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.20, 21 = 0.34, 22 = 0.34, 23 = 0.34 and 24 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise specified.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 141 lb uplift at joint 14, 113 lb uplift at joint 21, 126 lb uplift at joint 22, 126 lb uplift at joint 23, 111 lb uplift at joint 24, 110 lb uplift at joint 19, 127 lb uplift at joint 18, 124 lb uplift at joint 17 and 117 lb uplift at joint 16.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=87(F=33), 8-15=87(F=33), 2-14=10

Job L246425	Truss T16	Truss Type HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 53 23 2007 Page 1

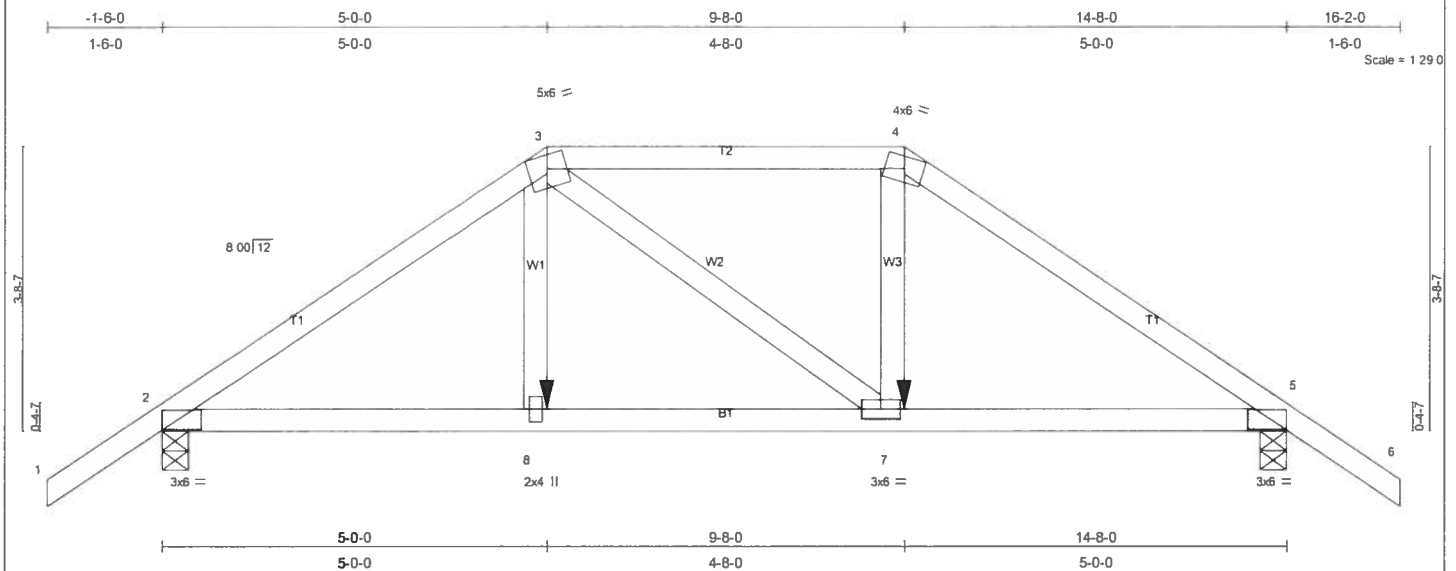


Plate Offsets (X,Y): [2-0-3-9,0-1-8], [5-0-3-9,0-1-8]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.20	Ver(LL) -0.02 7-8 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.09	Ver(TL) -0.05 7-8 >999 240		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 70 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=842/0-4-0, 5=834/0-4-0
Max Horz 2=93(load case 4)
Max Uplift 2=267(load case 5), 5=264(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1137/296, 3-4=-873/280, 4-5=-1121/294, 5-6=0/45
BOT CHORD 2-8=-268/875, 7-8=-267/864, 5-7=-195/862
WEBS 3-8=-35/253, 3-7=-86/86, 4-7=-64/284

JOINT STRESS INDEX
2 = 0.59, 3 = 0.40, 4 = 0.51, 5 = 0.58, 7 = 0.19 and 8 = 0.18

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
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 267 lb uplift at joint 2 and 264 lb uplift at joint 5.
7) Girder carries hip end with 5-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 187 lb down and 68 lb up at 9-8-0, and 187 lb down and 68 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-91(F=-37), 4-6=-54, 2-8=-10, 7-8=-17(F=-7), 5-7=-10
Concentrated Loads (lb)
Vert: 8=-187(F) 7=-187(F)

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.36	Vert(LL) 0.06	2-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.28	Vert(TL) -0.10	4-6	>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/TP12002	(Matrix)					Weight: 60 lb	

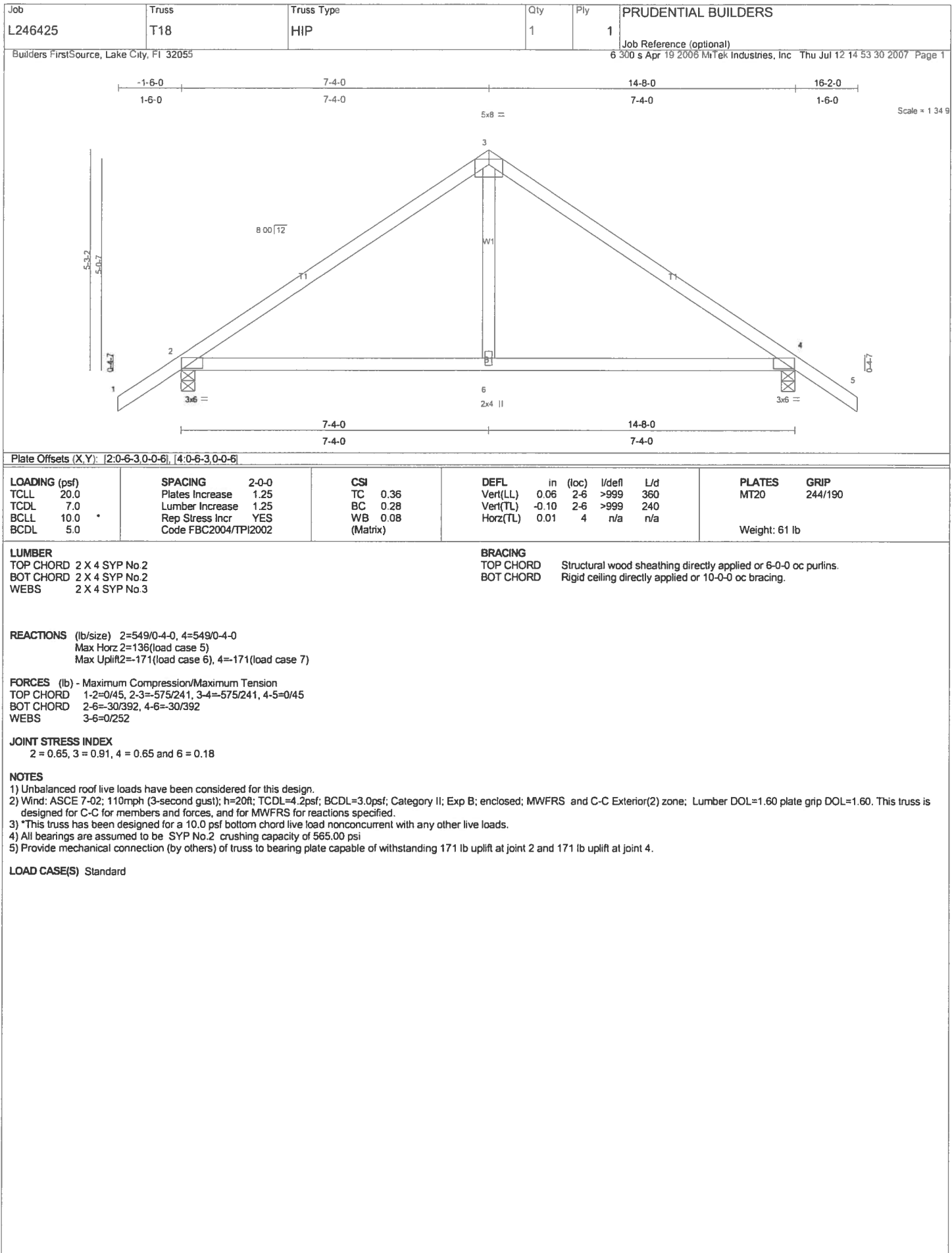
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=575/241, 3-4=575/241, 4-5=0/45
BOT CHORD 2-6=30/392, 4-6=30/392
WEBS 3-6=0/252

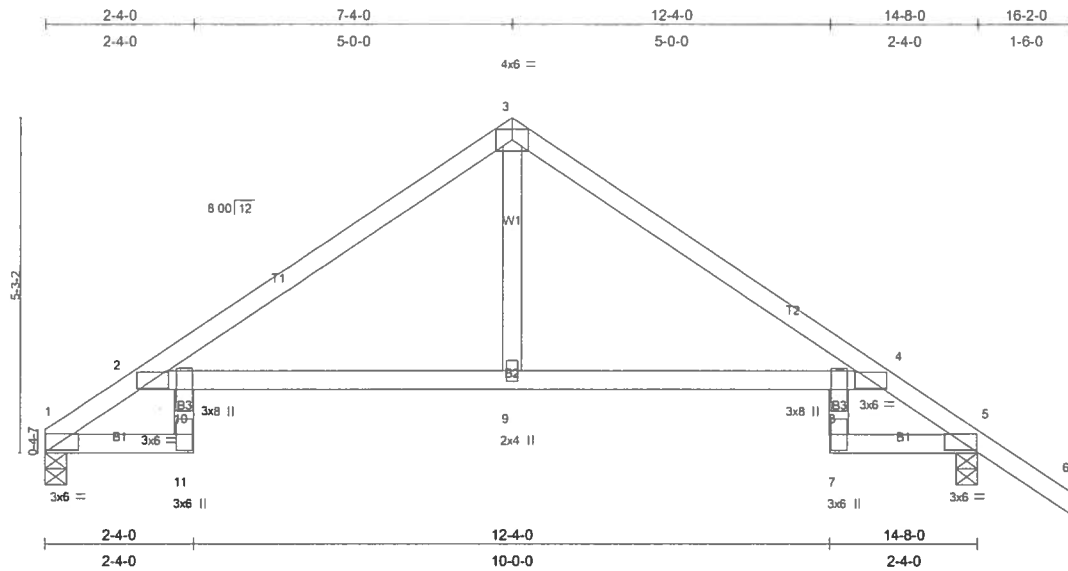
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=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) *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 171 lb uplift at joint 2 and 171 lb uplift at joint 4.

LOAD CASE(S) Standard



Job L246425	Truss T19	Truss Type SPECIAL	Qty 4	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055			6 300 s Apr 19 2006 MiTek Industries, Inc Thu Jul 12 14 53 33 2007 Page 1		



Scale = 1/4" = 1'-0"
Camber = 3/16"

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.80	Vert(LL) 0.17 9-10 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.11	Vert(TL) -0.32 9-10 >536 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.25 5 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 61 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) 1=453/0-4-0, 5=554/0-4-0
Max Horz 1=155(load case 4)
Max Uplift 1=95(load case 6), 5=172(load case 7)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-656/331, 2-3=-681/274, 3-4=-683/277, 4-5=-601/249, 5-6=0/45
BOT CHORD 1-11=-159/417, 10-11=-22/102, 2-10=0/161, 9-10=-51/537, 8-9=-51/537, 4-8=-88/181, 7-8=-1/83, 5-7=-79/364
WEBS 3-9=-46/331

JOINT STRESS INDEX

1 = 0.65, 2 = 0.48, 3 = 0.72, 4 = 0.48, 5 = 0.65, 7 = 0.42, 8 = 0.90, 9 = 0.24, 10 = 0.90 and 11 = 0.42

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 95 lb uplift at joint 1 and 172 lb uplift at joint 5.

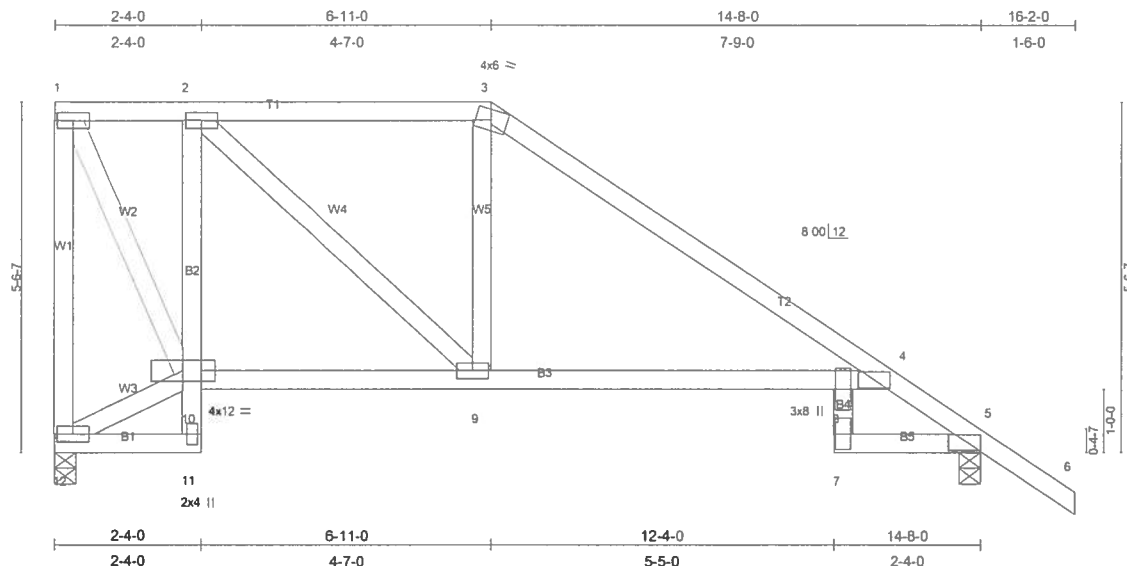
LOAD CASE(S) Standard

Job L246425	Truss T19B	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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Scale = 1/32
Camber = 3/16 in

Plate Offsets (X,Y): 5-0-3-9-0-1-8

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
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 0.96	Vert(LL) -0.18 8-9 >959 360		
BCLL 10.0	Rep Stress Incr YES	WB 0.16	Vert(TL) -0.37 8-9 >471 240		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.17 5 n/a n/a		
				Weight: 90 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
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 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 7-8.

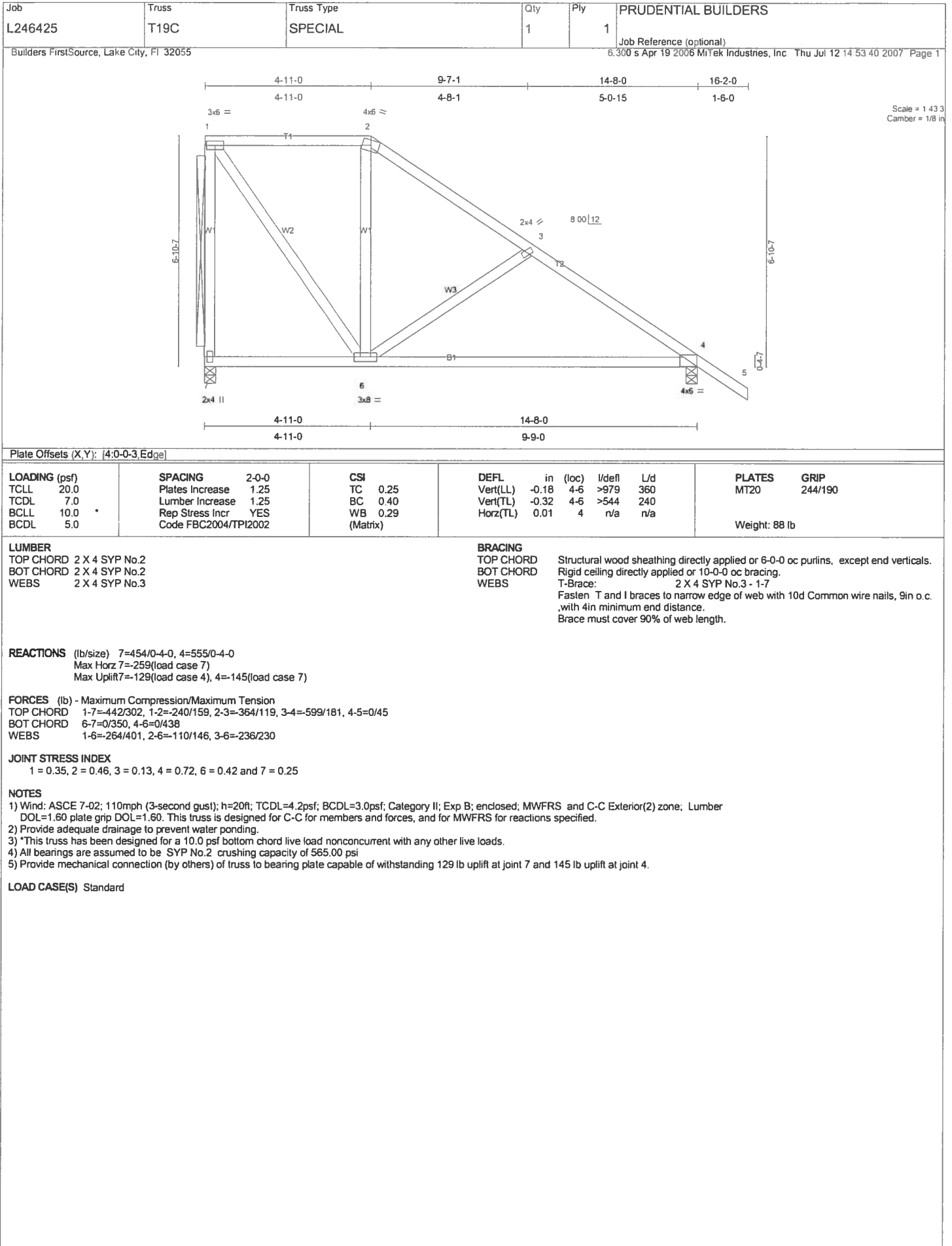
REACTIONS (lb/size) 12=454/0-4-0, 5=555/0-4-0
Max Horz 12=-216(load case 7)
Max Uplift 12=-128(load case 4), 5=-153(load case 7)

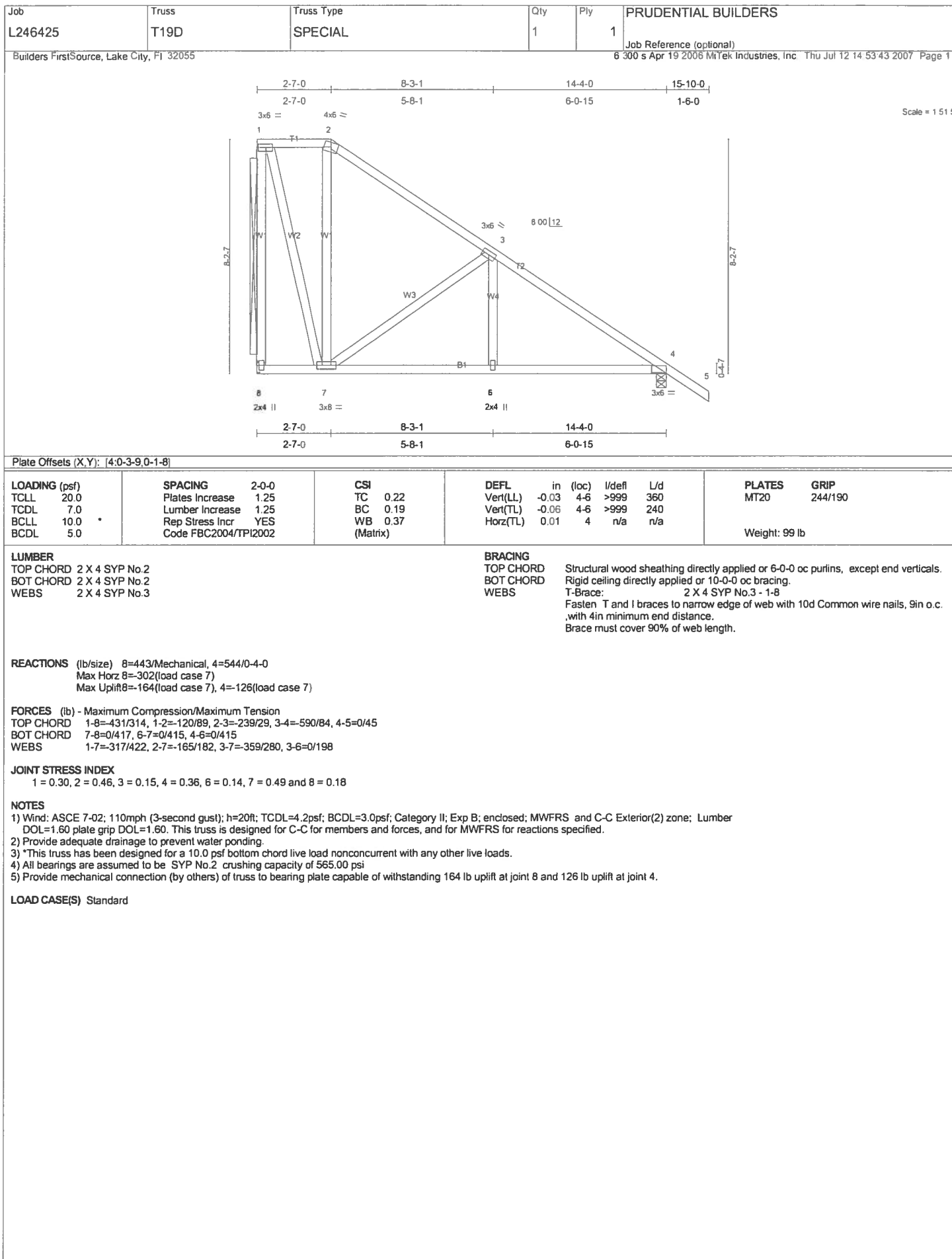
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-417/130, 1-2=-182/48, 2-3=-466/226, 3-4=-612/174, 4-5=-603/211, 5-6=0/45
BOT CHORD 11-12=-4/53, 10-11=0/30, 2-10=-399/285, 9-10=-34/249, 8-9=0/469, 4-8=-61/128, 7-8=0/85, 5-7=-61/363
WEBS 10-12=-54/338, 1-10=-105/405, 2-9=-241/383, 3-9=-78/162

JOINT STRESS INDEX
1 = 0.35, 2 = 0.24, 3 = 0.74, 4 = 0.56, 5 = 0.45, 7 = 0.35, 8 = 0.80, 9 = 0.24, 10 = 0.68, 11 = 0.12 and 12 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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) 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 plates are 3x6 MT20 unless otherwise indicated.
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 128 lb uplift at joint 12 and 153 lb uplift at joint 5.

LOAD CASE(S) Standard





Job L246425	Truss T19E	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 12 14 53 46 2007 Page 1

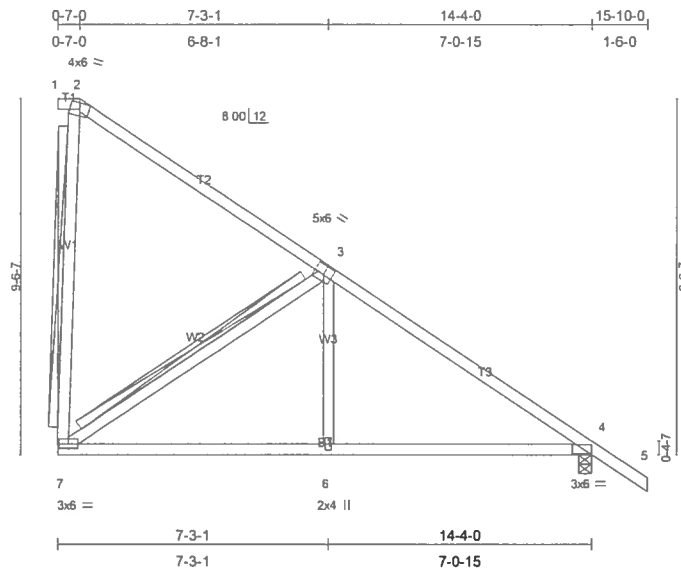


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [4:0-3-9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	Vert(LL)	-0.07	6-7	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.38	Vert(TL)	-0.12	6-7	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.20	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 82 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.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-7, 3-7
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) 4=544/0-4-0, 7=451/Mechanical
Max Horz 7=345(load case 7)
Max Uplift 4=102(load case 7), 7=223(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1/0, 2-3=-131/48, 3-4=-570/7, 4-5=0/45
BOT CHORD 6-7=0/390, 4-6=0/391
WEBS 2-7=-165/170, 3-7=-462/361, 3-6=0/256

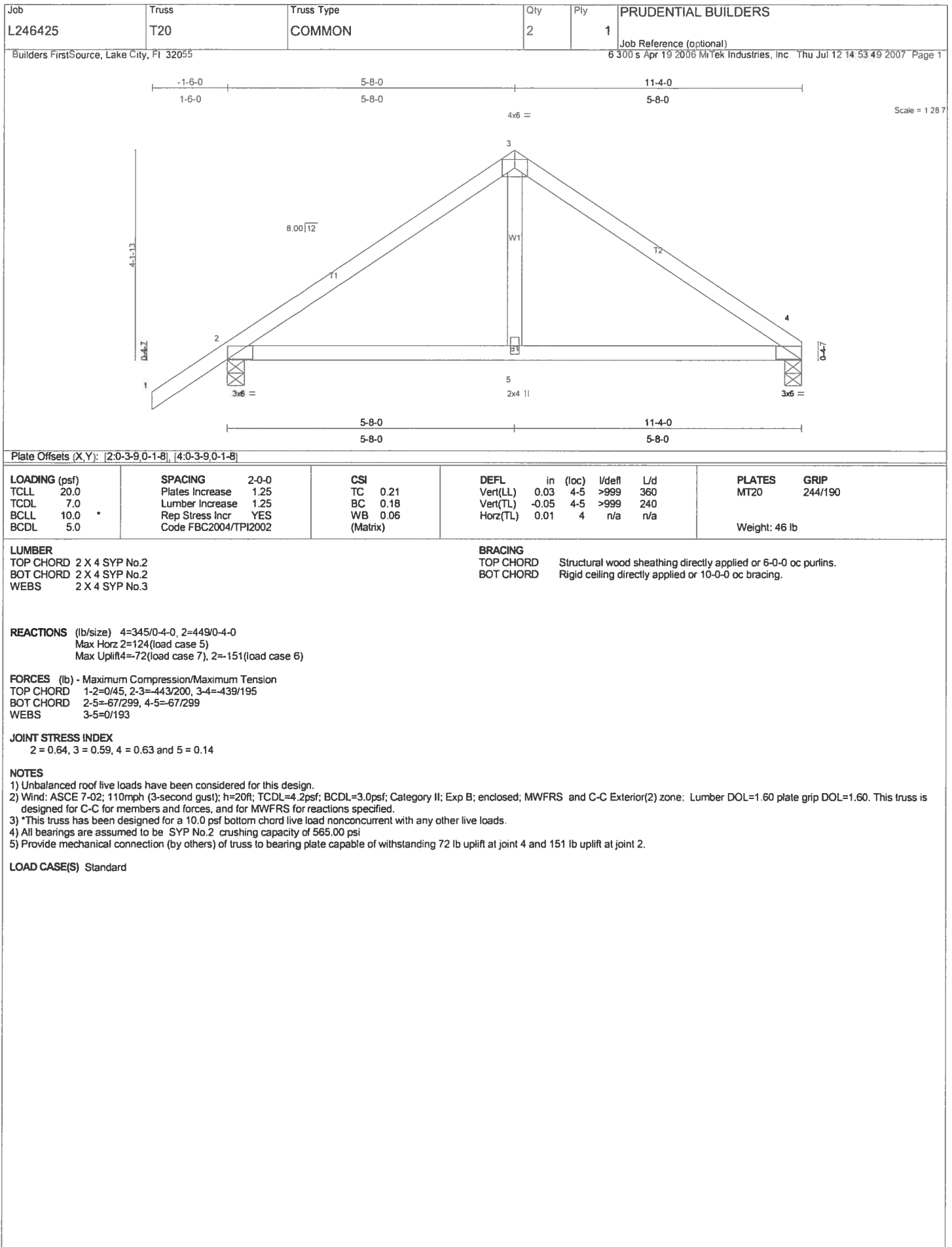
JOINT STRESS INDEX

2 = 0.07, 3 = 0.82, 4 = 0.46, 6 = 0.19 and 7 = 0.17

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=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 102 lb uplift at joint 4 and 223 lb uplift at joint 7.

LOAD CASE(S) Standard



Job L246425	Truss T20G	Truss Type GABLE	Qty 1	Ply 1	PRUDENTIAL BUILDERS
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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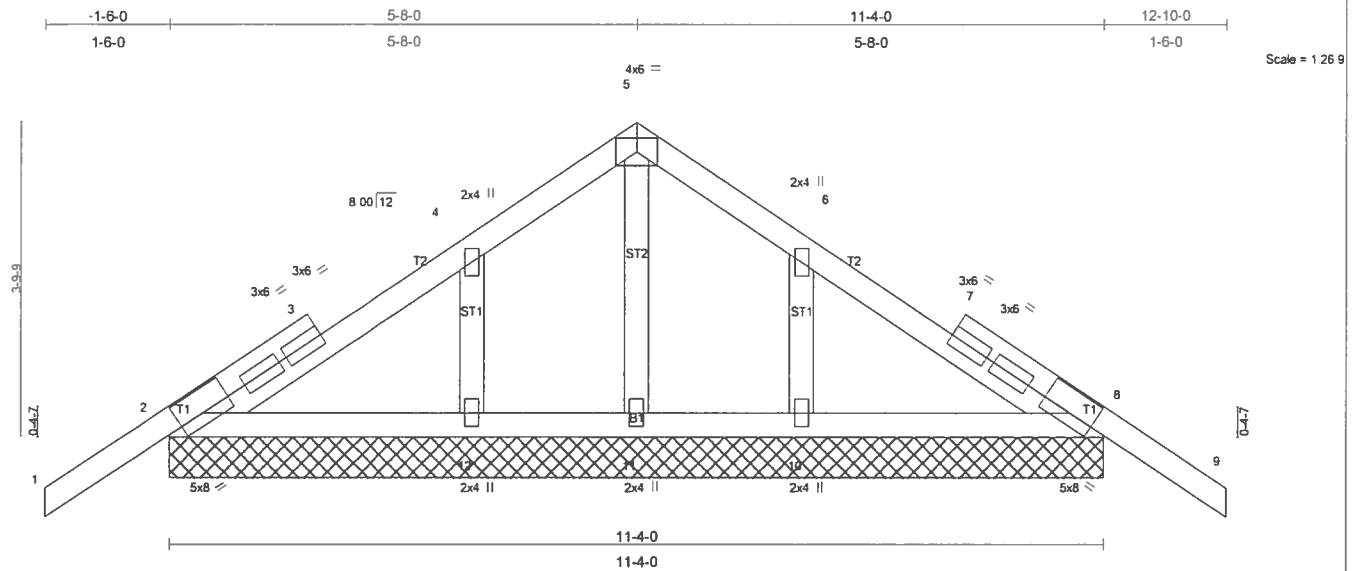


Plate Offsets (X,Y): [2:0-4-5:0-1-12], [8:0-4-5:0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(LL) -0.01 9 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.01 9 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 8 n/a n/a		
	Code FBC2004/TP12002			Weight: 58 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=289/11-4-0, 8=289/11-4-0, 11=176/11-4-0, 12=303/11-4-0, 10=302/11-4-0

Max Horz 2=-126(load case 4)

Max Uplift 2=-161(load case 6), 8=-176(load case 7), 11=-10(load case 5), 12=-157(load case 6), 10=-160(load case 7)

Max Grav 2=294(load case 10), 8=294(load case 11), 11=176(load case 1), 12=305(load case 10), 10=305(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-6/70, 2-3=-76/72, 3-4=-73/130, 4-5=-26/86, 5-6=-26/86, 6-7=-29/130, 7-8=-40/45, 8-9=-6/70

BOT CHORD 2-12=-41/137, 11-12=-41/137, 10-11=-41/137, 8-10=-41/137

WEBS 5-11=-174/16, 4-12=-262/195, 6-10=-262/195

JOINT STRESS INDEX

2 = 0.45, 3 = 0.00, 3 = 0.25, 3 = 0.25, 4 = 0.13, 5 = 0.07, 6 = 0.13, 7 = 0.00, 7 = 0.25, 7 = 0.25, 8 = 0.45, 10 = 0.11, 11 = 0.06 and 12 = 0.11

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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 161 lb uplift at joint 2, 176 lb uplift at joint 8, 10 lb uplift at joint 11, 157 lb uplift at joint 12 and 160 lb uplift at joint 10.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-87(F=33), 5-9=-87(F=33), 2-8=-10

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Weight: 126 lb

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 2-6=21(F=-11), 6-7=10, 4-7=-479(F=-469)
Concentrated Loads (lb)
Vert: 6=-1944(F)

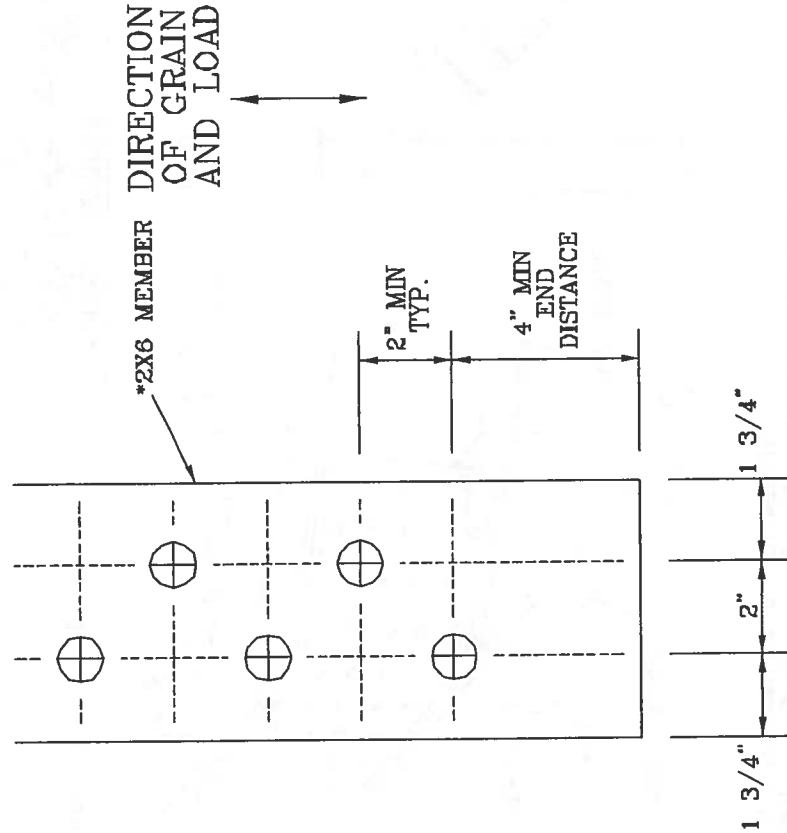
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

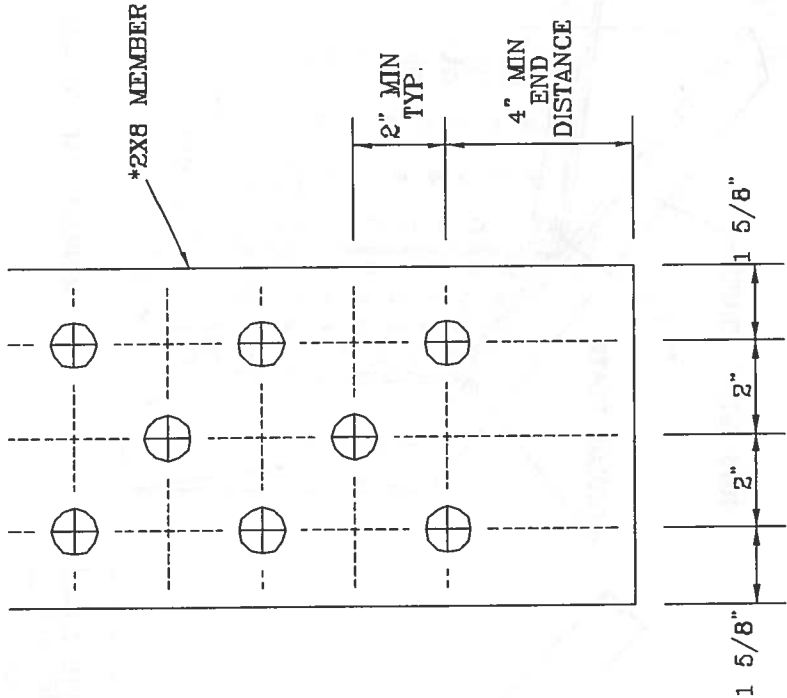
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT 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 A828.016

	VARIATIONS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (800 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DORSETT DR., SUITE 200, MADISON, WI 53719) AND VICA (VIRGINIA TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) 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. 1400 SW 4TH AVENUE DELRAY BEACH, FL 33444-2161				TC LL	PSF	REF	BOLT SPACING
						TC DL	PSF	DATE	11/26/03
						BC DL	PSF	DRWG	CNBOLTS1103
						BC LL	PSF	-ENG	JL
						TOT. LD.	PSF		
						DUR. FAC.			
						SPACING			

No: 34899
STATE OF FLORIDA

No. 34869
STATE OF FLORIDA

TRULOX CONNECTION DETAIL

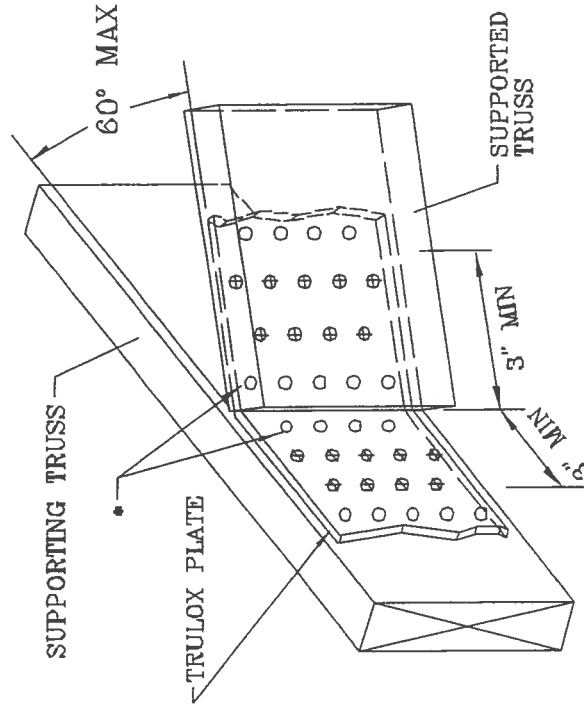
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* 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.

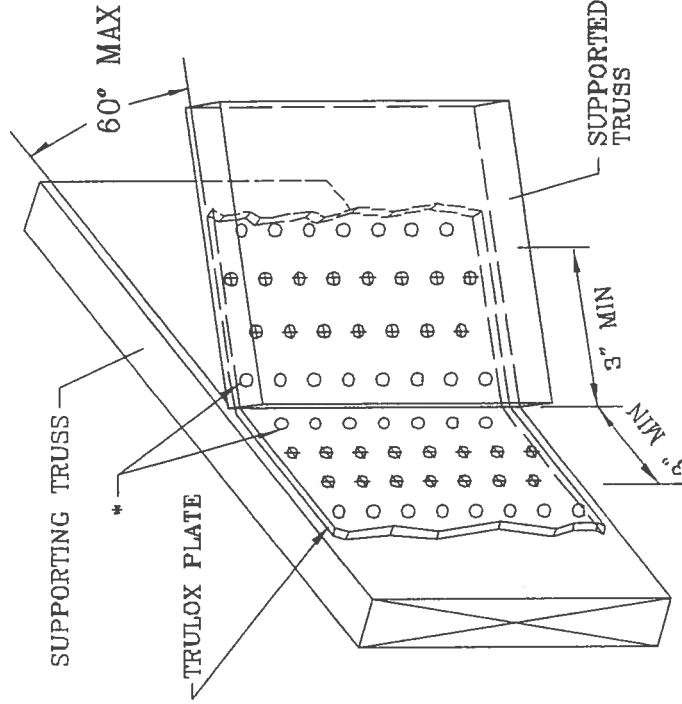
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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



MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#



MINIMUM 5X6 TRULOX PLATE

THIS DRAWING REPLACES DRAWINGS 1.158,989 1.158,988/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 2033 L-40 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI) TRUSS PLATE INSTALLATION, 2033 JONORUD DR., SUITE 800, MADISON, WI 53719 AND VITCA (VOID TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TYP 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 33444-2101

REF TRULOX

DATE 11/26/03

DRWG CNTRULOX1103

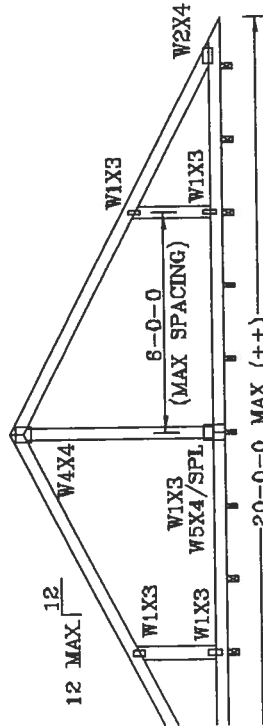
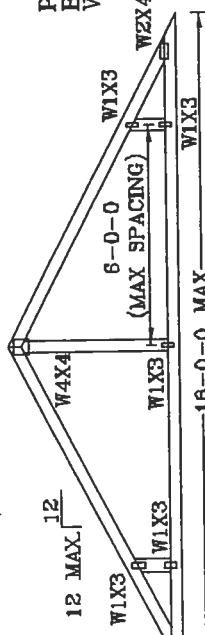
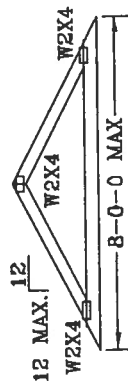
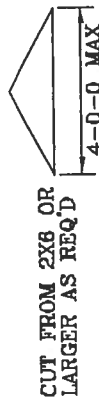
-ENG JL

No: 34869
STATE OF FLORIDA

VALLEY TRUSS DETAIL

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.

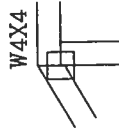
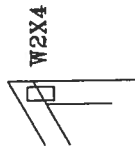
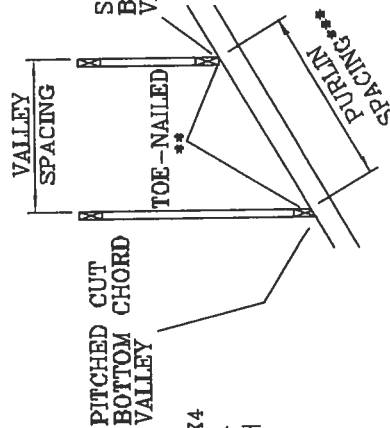
- * 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- ** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
 SEC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR
 ASCE 7-98 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED
 BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

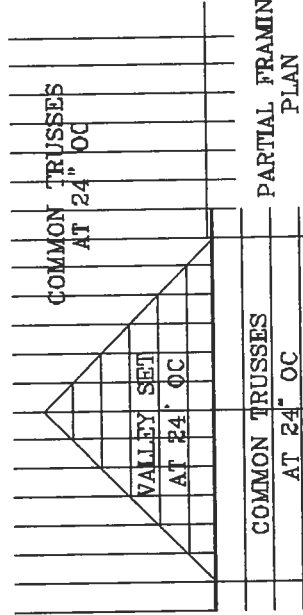
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS
 BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.
 ++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES
 NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



OPTIONAL STUB
END DETAIL

OPTIONAL HIP
JOINT DETAIL



COMMON TRUSSES
AT 24" OC

PARTIAL FRAMING
PLAN

THIS DRAWING REPLACES DRAWING A105		JULIUS LEE'S CONS. ENGINEERS P.A.		TC LL	20	PSF	REF	VALLEY DETAIL
		1455 SW 4th AVENUE DECATUR, GA 30044-2141		TC DL	7	15	PSF	DATE 11/26/03
		NO. 34869 STATE OF FLORIDA		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"			

REMARKS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS COUNCIL
 OF AMERICA, 6300 CENTRE DRIVE, SUITE 200, FARMINGTON, CT 06031. FOR SAFETY PRACTICES PRIOR TO PERFORMING
 STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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/AF&PA NDS-1997 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."

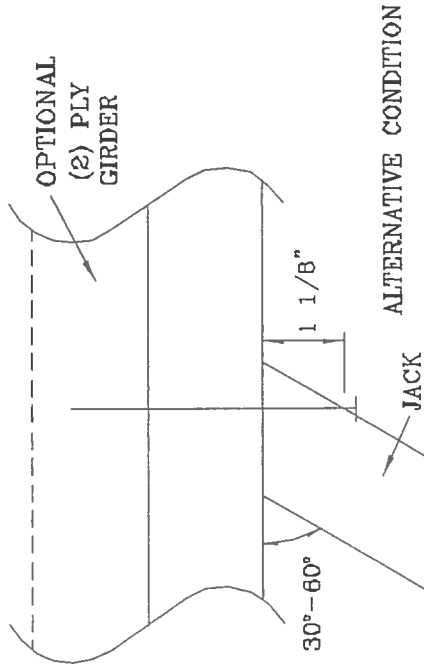
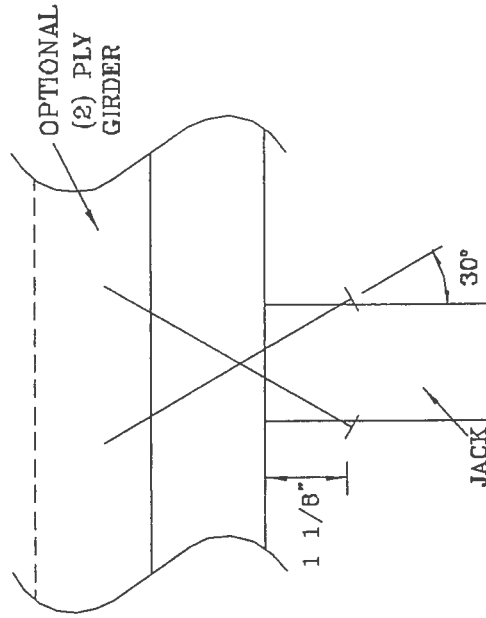
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

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

MAXIMUM LATERAL 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 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	199#
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#

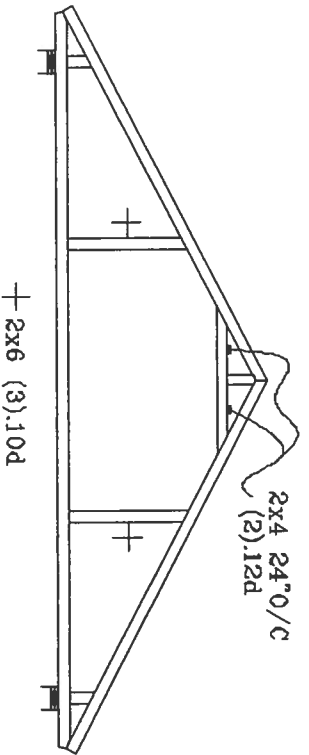
ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



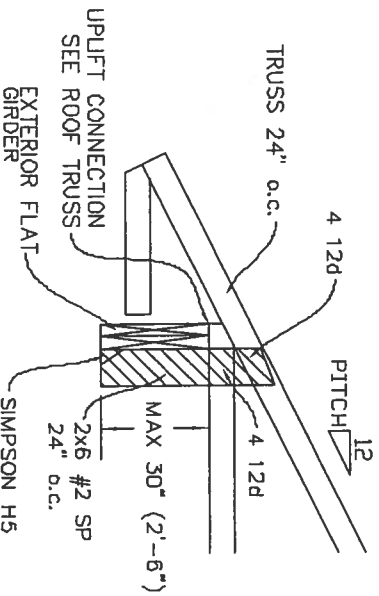
THIS DRAWING REPLACES DRAWING 784040

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND PLACING. INSTITUTE 3037 (JANUARY 1983) AND 3038 (JANUARY 1983) PUBLISHED BY THE TRUSS ASSOCIATION OF AMERICA, 6800 ENTERPRISE LN, NARISSE, VI 50735 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. 1460 SW 4TH AVENUE MELBOURNE, FL 32904-2181		TC LL	PSF	REF	TOE-NAIL
		TC DL	PSF	DATE 11/26/03			
		BC DL	PSF	DRWG CNTONAIL103			
		BC LL	PSF	-ENG JL			
		TOT. LD.	PSF				
No: 34689 STATE OF FLORIDA		DUR. FAC. 1.00					
		SPACING					

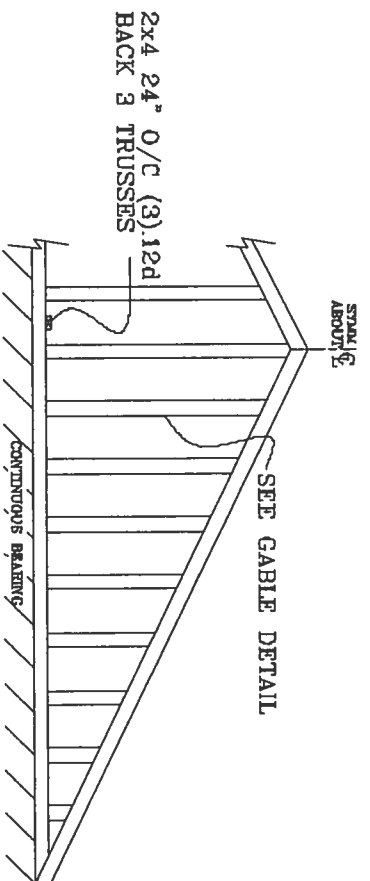
TYPICAL ATTIC TRUSS BRACING



TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS

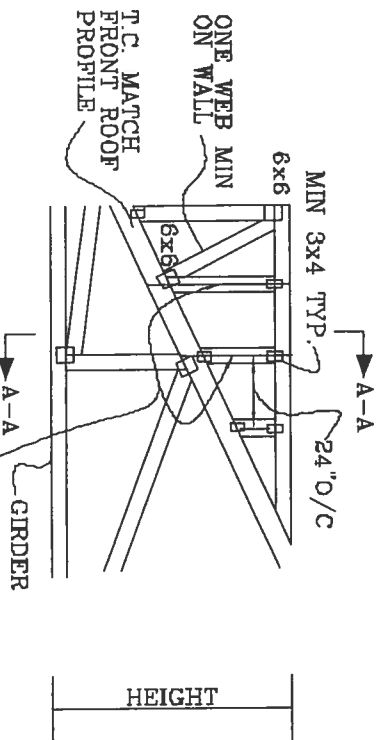


GABLE END TRUSS DETAIL



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

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
MIAMI BEACH, FL 33134-2161

No. 34850
STATE OF FLORIDA

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPICES MUST BE STAGGERED SO THAT ONE SPICE 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 7-93, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

CAT 1, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC

ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

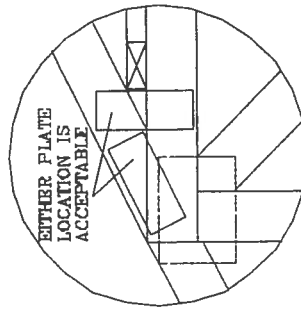
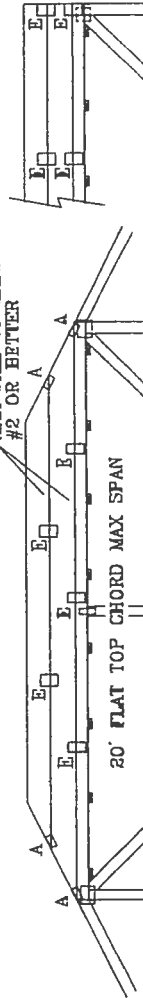
WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

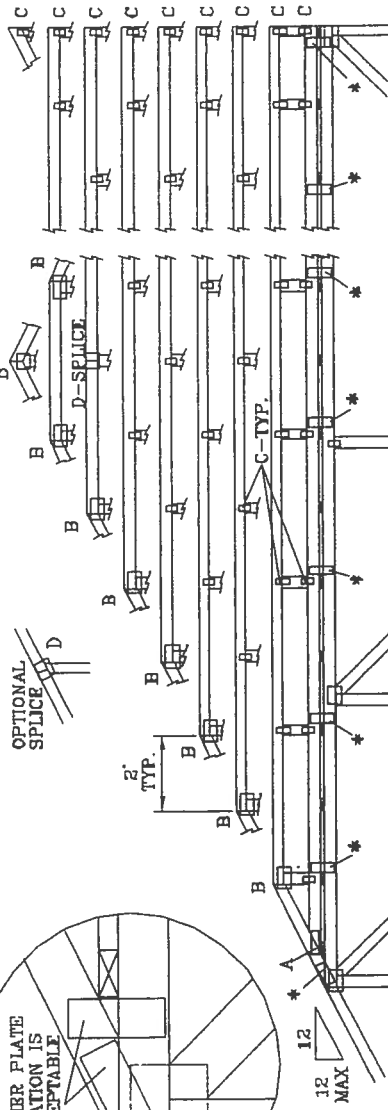
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

MAX SIZE OF 2X12 #2 OR BETTER

20' FLAT TOP CHORD MAX SPAN



OPTIONAL SPICE



*ATTACH PIGGYBACK WITH 3X6 TRUOX OR ALPINE PIGGYBACK SPECIAL PLATE.

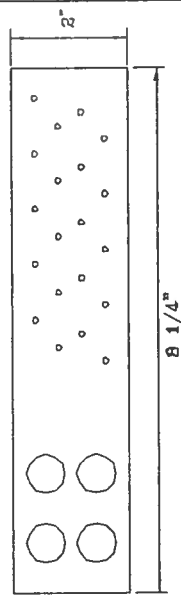
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRUOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRUOX PLATES WITH (6) 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 TRUOX INFORMATION.

WEB LENGTH	WEB BRACING CHART	
	NO BRACING	REQUIRED BRACING
0' TO 7'9"	1X4 "1" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4' OC.	
7'9" TO 10'	2X4 "1" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4' OC.	
10' TO 14'		

* 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.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 647,045

JULIUS LEE'S
CONS. ENGINEERS P.A.
1465 SW 4th AVENUE
DEER BEACH, FL 33444-2161

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AISC 1-100 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL INSTITUTE, 505 BROADWAY DR., SUITE 200, HANSON, NJ 07030, AND AISC 308, TRUSS CONSTRUCTION OF AMERICA, 6200 ENTERPRISE LN, HANSON, NJ 07030. THESE TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

MAX LOADING

55 PSF AT
1.33 DUR. FAC.

50 PSF AT
1.25 DUR. FAC.

47 PSF AT
1.15 DUR. FAC.

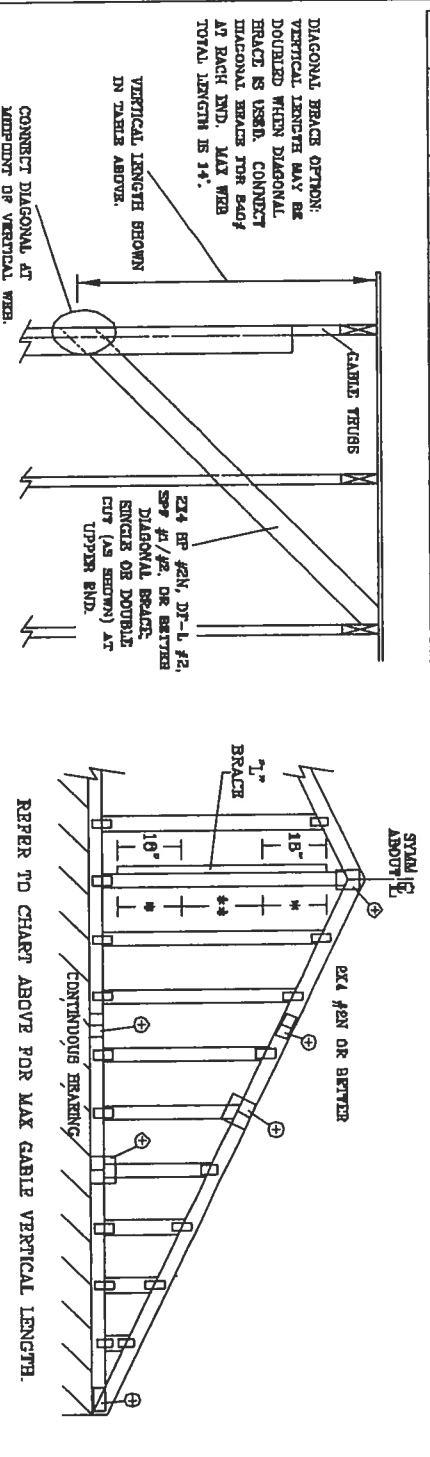
SPACING 24.0"

No: 34968
STATE OF FLORIDA

REF PIGGYBACK
DATE 11/26/03

DRWG/MIK STD PIGGY
-ENG JL

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 **	
SPACING	GRADE	BRACE	NO BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" 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"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
16" 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"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
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"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"	12' 11"



BRACING GROUP SPECIES AND GRADES:		GROUP A:		GROUP B:	
SPF	GRADE	#1 / #2	STUD	#1 / #2	STUD
	GRADE	#1 / #2	STUD	#1 / #2	STUD
SPF	GRADE	#1 / #2	STUD	#1 / #2	STUD
	GRADE	#1 / #2	STUD	#1 / #2	STUD
SPF	GRADE	#1 / #2	STUD	#1 / #2	STUD
	GRADE	#1 / #2	STUD	#1 / #2	STUD
SPF	GRADE	#1 / #2	STUD	#1 / #2	STUD
	GRADE	#1 / #2	STUD	#1 / #2	STUD

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WITH DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR EACH AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH BROWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

ATTACH EACH "L" BRACE WITH 104 NAILS. * FOR (1) "L" BRACE: BRACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES. ** FOR (2) "L" BRACES: BRACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES. "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE TRUSS DETAIL NOTES: LIVE LOAD DEFLECTION CRITERIA IS L/240. PROVIDE UPLIFT CONNECTIONS FOR 136 PSF OVER CONTINUOUS BRACING (6 PSF W/ DEAD LOAD). CABLE END SUPPORTS LOAD FROM 4' 0" OUTLEAKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

CABLE VERTICAL PLATE SIZES: VERTICAL LENGTH LESS THAN 4' 0" NO BRACE. GREATER THAN 4' 0", BUT LESS THAN 11' 6" 2X4. GREATER THAN 11' 6" 2X6.

REFER TO COMMON TRUSS DESIGN FOR PEAK, SPICE, AND HEBL PLATES.

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

MAX GABLE VERTICAL LENGTH		2X4		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
		GABLE VERTICAL SPECIES	GRADE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 2"	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' 6"	6' 6"
	HF	STUD	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"	4' 5"
	SP	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"	3' 9"
	DFL	#1	3' 2"	5' 8"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"
24" O.C.	SPF	#2	3' 6"	5' 6"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"	5' 11"
	HF	STUD	3' 3"	4' 6"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"	4' 8"
	SP	STANDARD	3' 0"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"	3' 10"
	DFL	#1 / #2	3' 8"	5' 4"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"
16" O.C.	SPF	#3	3' 7"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"
	HF	STUD	3' 7"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"
	SP	STANDARD	3' 7"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"
	DFL	#1 / #2	3' 7"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"
12" O.C.	SPF	#1 / #2	4' 0"	6' 11"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"
	HF	STUD	3' 11"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"
	SP	STANDARD	3' 11"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"	6' 3"
	DFL	#1 / #2	4' 0"	6' 11"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"	7' 2"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-YR	#1 / #2	STUD
HEM-FIR	#2	STUD
DOUGLAS FIR-LARCH	#3	STUD
DOUGLAS FIR-LARCH	#3	STUD
DOUGLAS FIR-LARCH	#3	STUD
DOUGLAS FIR-LARCH	#3	STUD

GROUP B:

HEM-FIR	#1 & BTR	#1
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2

GROUP B:

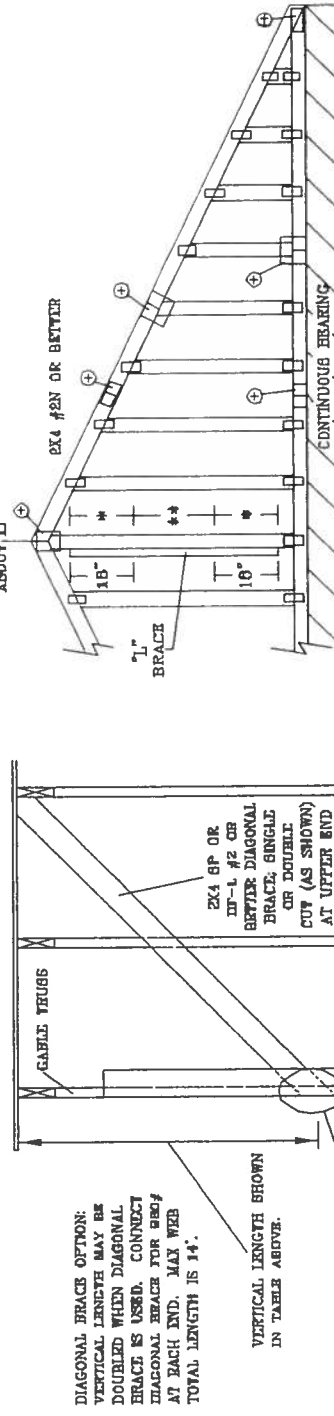
HEM-FIR	#1 & BTR	#1
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2

DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2
DOUGLAS FIR-LARCH	#1	#2

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
 PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (6 PSF TO DEAD LOAD).
 CABLE END SUPPORTS LOAD FROM 4" OUTLOOKERS WITH 2" OVERHANG, OR 12" PLYWOOD 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 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
 "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPICE
LESS THAN 4' 0"	1X4 OR 2X4
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2X6
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPICE AND HEEL PLATES.	



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ADVANCING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSTON BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 383 DUNSTON DR., SUITE 200, HANSON, VT 05719, AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANSEN, VT 05719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTICED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

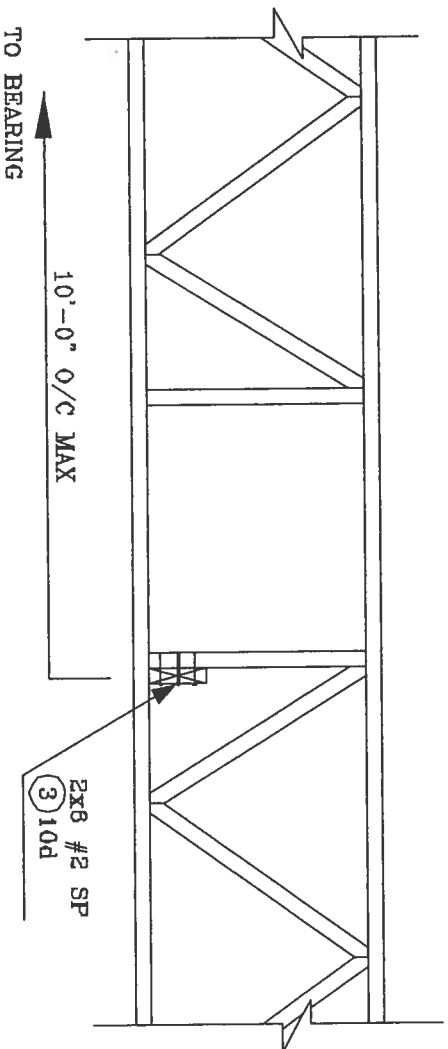
JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1466 SW 4th AVENUE
 DELRAY BEACH, FL 33444-2101

REF: ASCE7-02-GABI3030
 DATE: 11/26/03
 DWG: WTRK STD GABLE 50' x 17'
 -ENG-

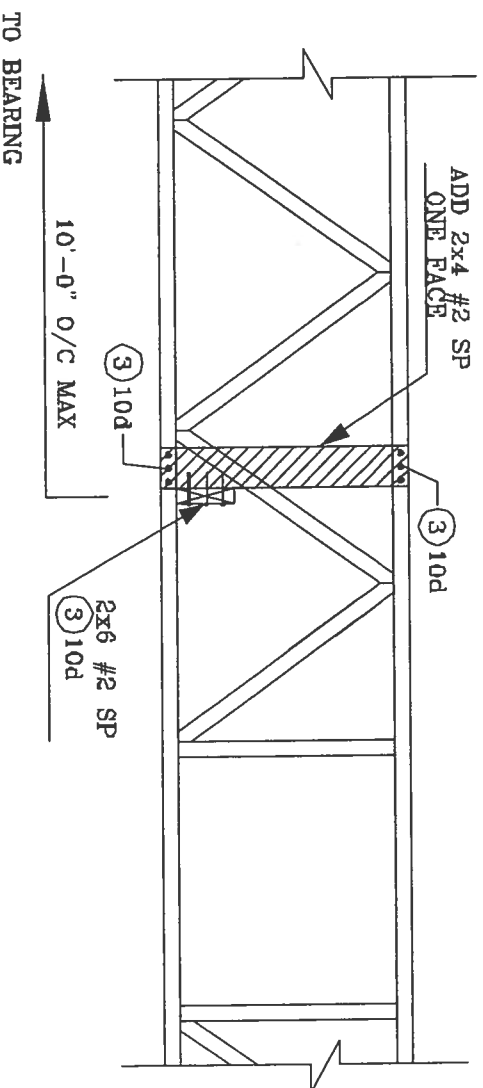
MAX. TOT. LD. 60 PSF
 MAX SPACING 24' 0"

No. 34809
 STATE OF FLORIDA

STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



JULIUS LEE'S
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1455 SW 41st AVENUE
DEERFIELD BEACH, FL 33441-2161

No: 34486
STATE OF FLORIDA