Project Information for:	**L132305**		
Builder:	**DON REED CONST.**	Date:	12/27/2005
Lot:	**N/A**	Start Number:	**2168**
Subdivision:	**418 SW HILLTOP TER.**		
County or City:	**COLUMBIA COUNTY**		
Truss Page Count:	51		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

Gravity		**Wind**		**Building Code:**	**FBC2004**
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

REED, LARRY DON CGC 036224
Address: 2230 E BAYA AVE. STE 101
GLEN ST MARY FL 32040 Designer: **97**

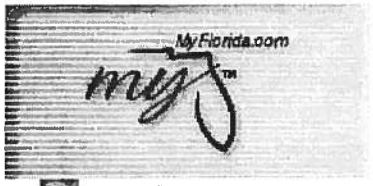
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1227052168	12/27/2005	41	T10	1227052208	12/27/2005
2	CJ3	1227052169	12/27/2005	42	T10G	1227052209	12/27/2005
3	DM1	1227052170	12/27/2005	43	T11	1227052210	12/27/2005
4	EJ5	1227052171	12/27/2005	44	T12	1227052211	12/27/2005
5	GR01	1227052172	12/27/2005	45	T16	1227052212	12/27/2005
6	HJ5	1227052173	12/27/2005	46	T17	1227052213	12/27/2005
7	T01	1227052174	12/27/2005	47	T17G	1227052214	12/27/2005
8	T02	1227052175	12/27/2005	48	T18	1227052215	12/27/2005
9	T02G	1227052176	12/27/2005	49	T19	1227052216	12/27/2005
10	T03	1227052177	12/27/2005	50	F02	1227052217	12/27/2005
11	T04	1227052178	12/27/2005	51	F01	1227052218	12/27/2005
12	T04G	1227052179	12/27/2005				
13	T05	1227052180	12/27/2005				
14	T07	1227052181	12/27/2005				
15	T08	1227052182	12/27/2005				
16	T09	1227052183	12/27/2005				
17	T10	1227052184	12/27/2005				
18	T10G	1227052185	12/27/2005				
19	T11	1227052186	12/27/2005				
20	T12	1227052187	12/27/2005				
21	T16	1227052188	12/27/2005				
22	T17	1227052189	12/27/2005				
23	T17G	1227052190	12/27/2005				
24	T18	1227052191	12/27/2005				
25	T19	1227052192	12/27/2005				
26	CJ3	1227052193	12/27/2005				
27	DM1	1227052194	12/27/2005				
28	EJ5	1227052195	12/27/2005				
29	GR01	1227052196	12/27/2005				
30	HJ5	1227052197	12/27/2005				
31	T01	1227052198	12/27/2005				
32	T02	1227052199	12/27/2005				
33	T02G	1227052200	12/27/2005				
34	T03	1227052201	12/27/2005				
35	T04	1227052202	12/27/2005				
36	T04G	1227052203	12/27/2005				
37	T05	1227052204	12/27/2005				
38	T07	1227052205	12/27/2005				
39	T08	1227052206	12/27/2005				
40	T09	1227052207	12/27/2005				

DEC 27 2005



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Licensee Information

Name:	**REED, LARRY DON (Primary Name)**
	DON REED CONSTRUCTION INC (DBA Name)
Main Address:	**2230 E BAYA AVE STE 101** **LAKE CITY Florida 32025**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	**2230 E BAYA AVE STE 101** **LAKE CITY FL 32025**
County:	**COLUMBIA**

License Information

License Type:	**Certified General Contractor**
Rank:	**Cert General**
License Number:	**CGC036224**
Status:	**Current,Active**
Licensure Date:	**03/08/1986**
Expires:	**08/31/2006**
Special Qualifications	**Qualification Effective**
Bldg Code Core Course Credit	
Qualified Business License Required	**08/13/2004**

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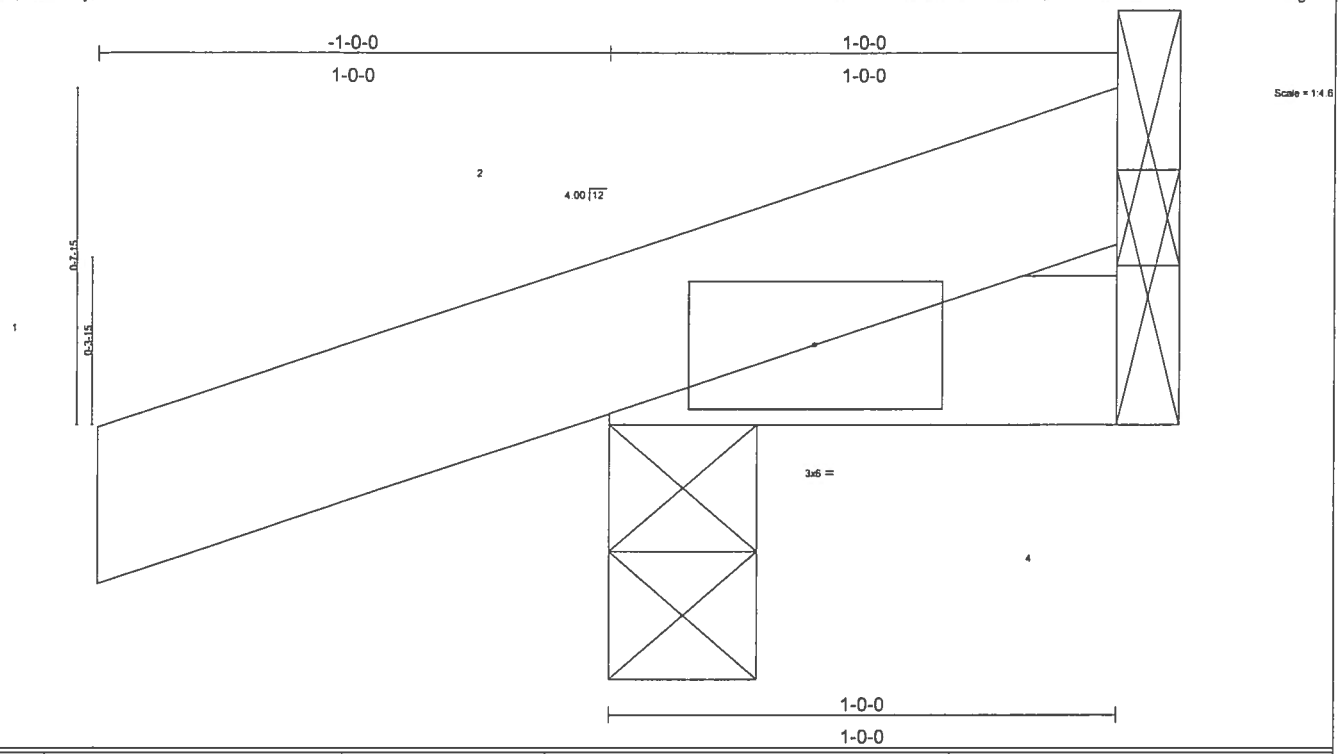
Dwg.#1227052168

Job	Truss	Truss Type	Qty	Ply	
L132305	CJ1	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:39 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
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: 5 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=126/0-3-8, 4=14/Mechanical, 3=-4/Mechanical
Max Horz 2=36(load case 3)
Max Uplift2=-104(load case 3), 3=-4(load case 1)
Max Grav 2=126(load case 1), 4=14(load case 1), 3=13(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-19/4
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 2 and 4 lb uplift at joint 3.

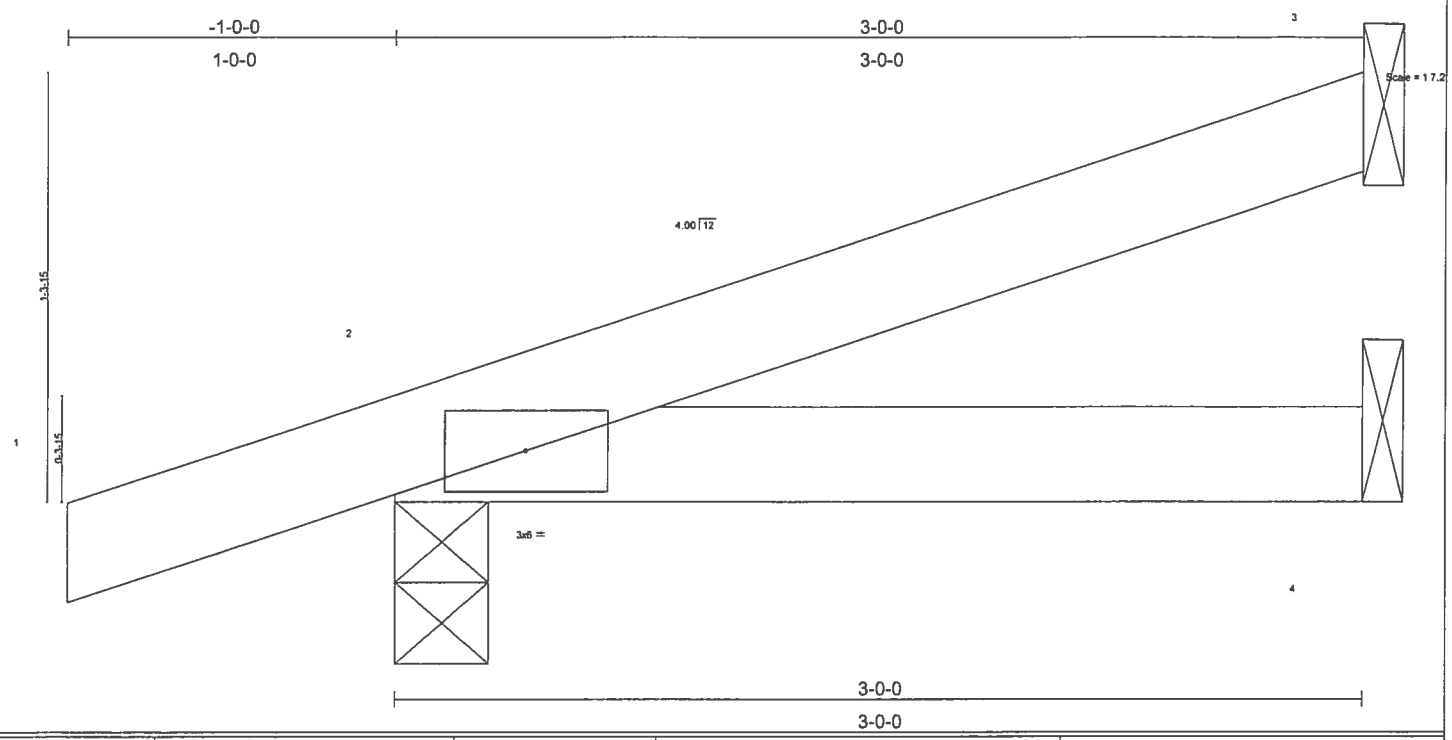
LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052169

Job	Truss	Truss Type	Qty	Ply	
L132305	CJ3	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:39 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
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: 11 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=63/Mechanical, 2=192/0-3-8, 4=42/Mechanical
Max Horz 2=66(load case 3)
Max Uplift3=-47(load case 3), 2=-115(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-35/16
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 115 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052170

Job	Truss	Truss Type	Qty	Ply	
L132305	DM1	KINGPOST	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:40 2005 Page 1

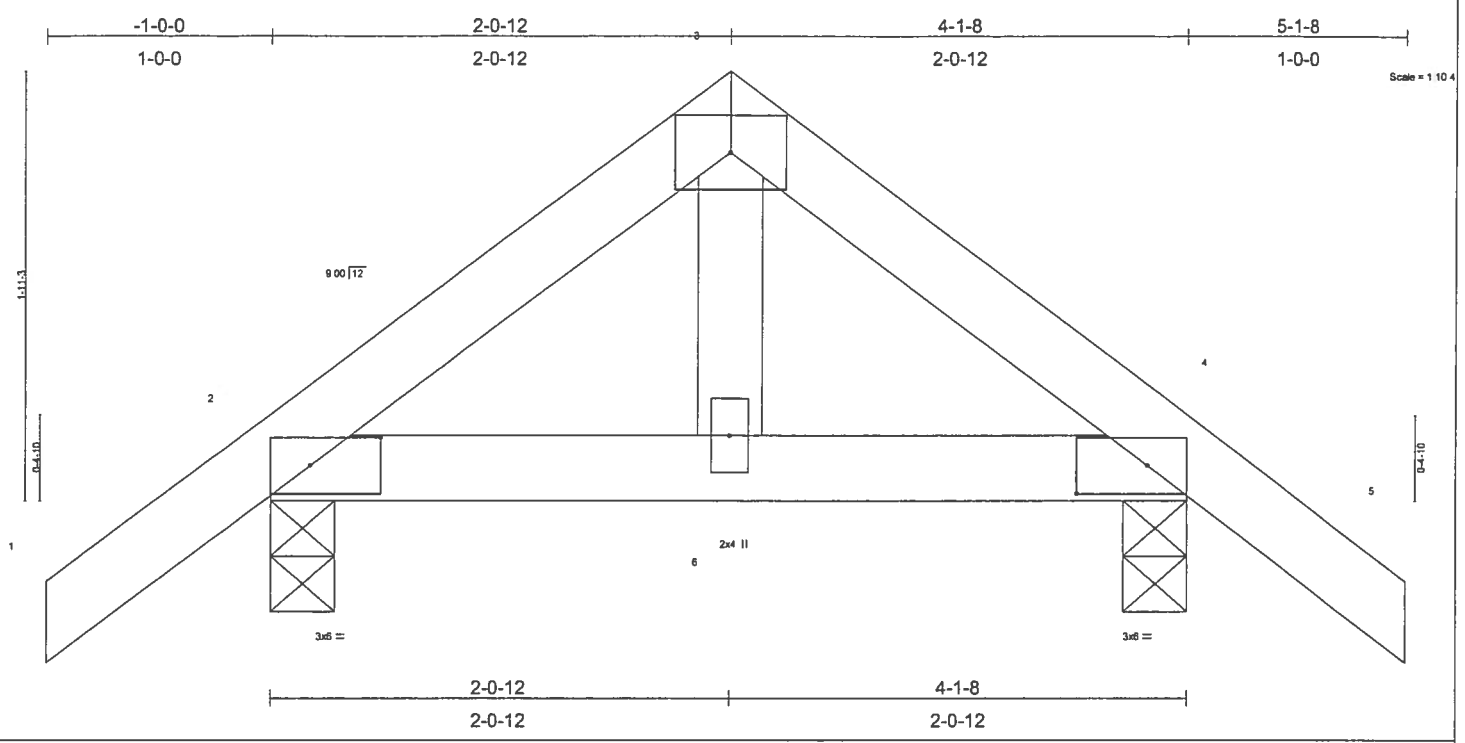


Plate Offsets (X,Y): [2:0-3-13,0-1-8], [4:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=223/0-3-8, 4=223/0-3-8
Max Horz 2=-59(load case 3)
Max Uplift2=-123(load case 5), 4=-123(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-149/28, 3-4=-149/28, 4-5=0/32
BOT CHORD 2-6=0/89, 4-6=0/89
WEBS 3-6=0/68

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2 and 123 lb uplift at joint 4.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052171

Job	Truss	Truss Type	Qty	Ply	
L132305	EJ5	MONO TRUSS	16	1	Job Reference (optional)

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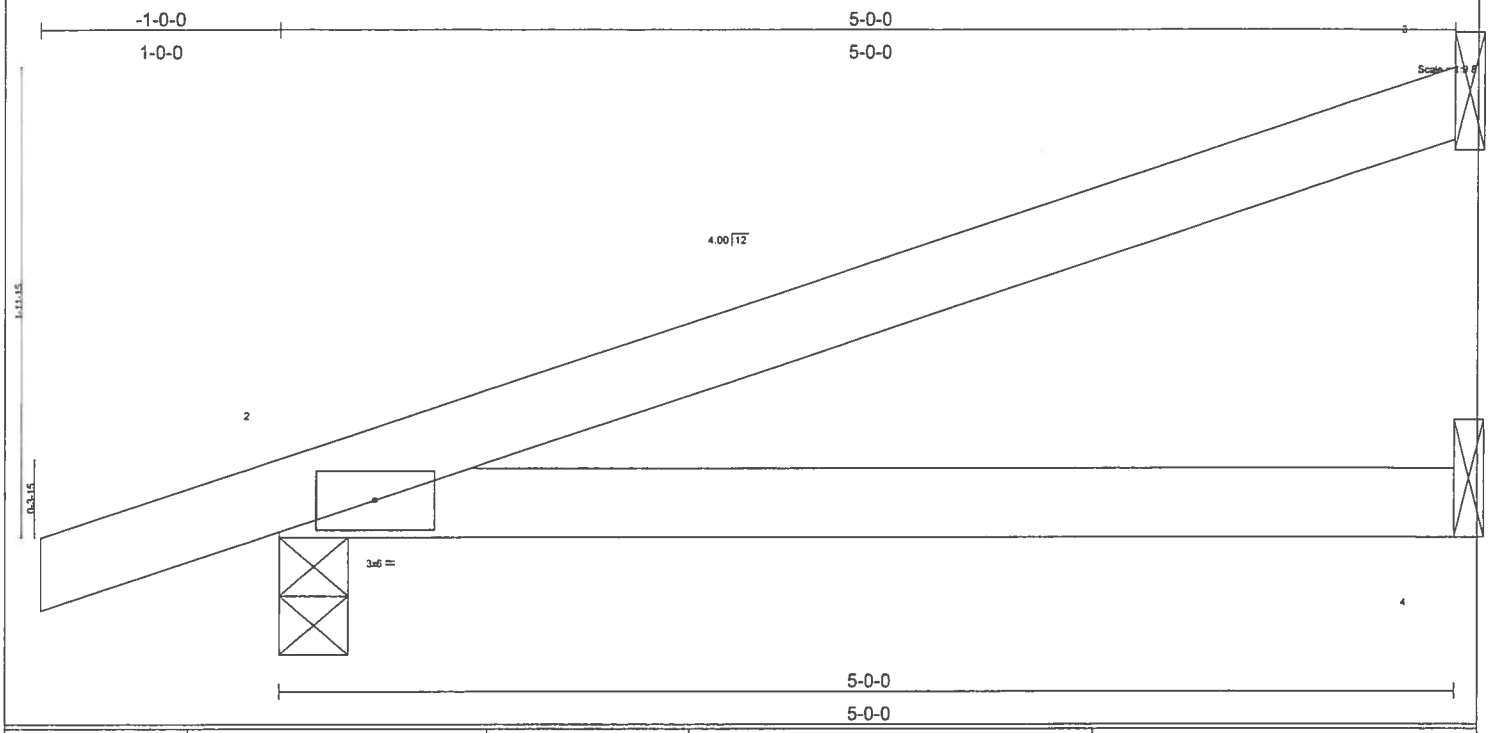


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 17 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=122/Mechanical, 2=271/0-3-8, 4=72/Mechanical
Max Horz 2=97(load case 3)
Max Uplift3=-96(load case 3), 2=-135(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-65/32
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 3 and 135 lb uplift at joint 2.

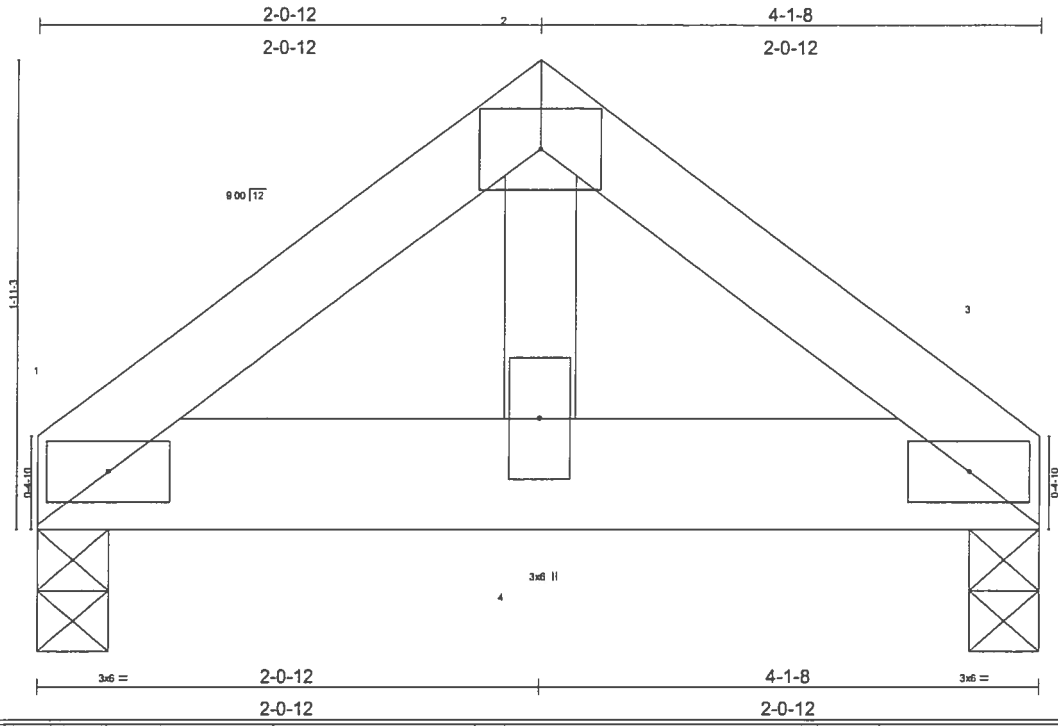
LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052172

Job	Truss	Truss Type	Qty	Ply	
L132305	GR01	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:41 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.01	4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.01	4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=954/0-3-8, 3=954/0-3-8
Max Horz 1=53(load case 3)
Max Uplift1=-360(load case 4), 3=-360(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-844/316, 2-3=-844/315
BOT CHORD 1-4=-226/641, 3-4=-226/641
WEBS 2-4=-325/917

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint 1 and 360 lb uplift at joint 3.
4) Girder carries tie-in span(s): 22-0-0 from 0-0-0 to 4-1-8
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, 2-3=-54, 1-3=-444(F=-414)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052173

Job	Truss	Truss Type	Qty	Ply	
L132305	HJ5	MONO TRUSS	3	1	Job Reference (optional)

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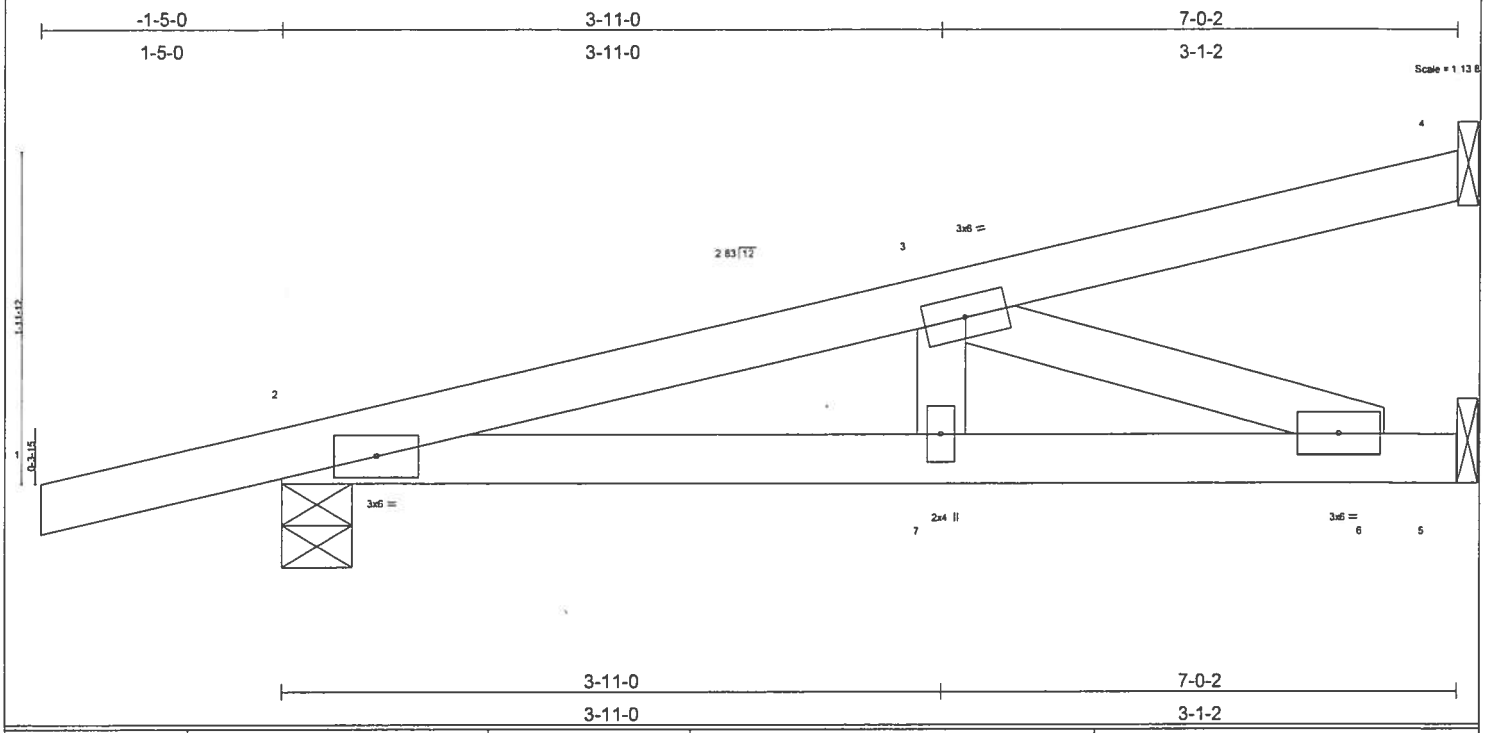


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 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=113/Mechanical, 2=270/0-4-15, 5=210/Mechanical
Max Horz 2=87(load case 2)
Max Uplift4=-84(load case 2), 2=-155(load case 2), 5=-45(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-491/111, 3-4=-27/20
BOT CHORD 2-7=-165/466, 6-7=-165/466, 5-6=0/0
WEBS 3-7=0/113, 3-6=-495/175

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 4, 155 lb uplift at joint 2 and 45 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-4=-95(F=-20, B=-20), 2=-0(F=15, B=15)-to-5=-53(F=-11, B=-11)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

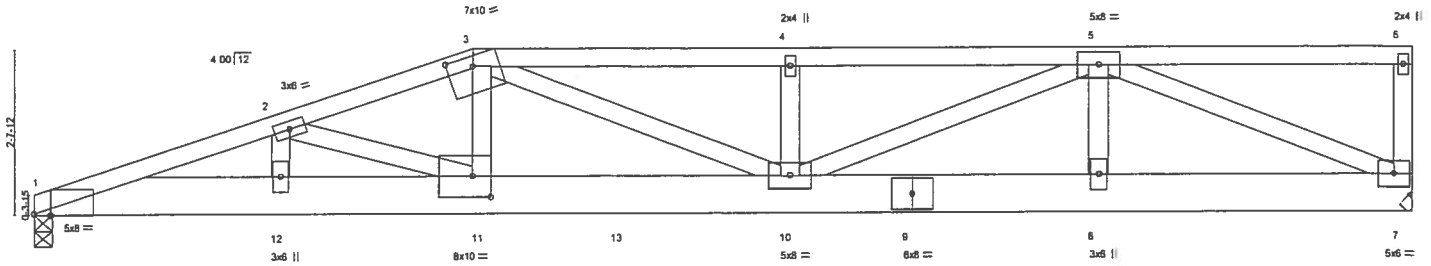
Dwg.#1227052174

Job	Truss	Truss Type	Qty	Ply	
L132305	T01	MONO HIP	1	3	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:43 2005 Page 1

3-10-10	6-11-8	12-0-7	16-11-9	22-0-8
3-10-10	3-0-14	5-0-15	4-11-3	5-0-15

Scale = 1:37.2



3-10-10	6-11-8	9-4-0	12-0-7	16-11-9	22-0-8
3-10-10	3-0-14	2-4-8	2-8-7	4-11-3	5-0-15

Plate Offsets (X,Y): [1:0-3-4,Edge], [3:0-5-0,0-2-0], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.16	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.26	10-11	>994	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 419 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
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.

REACTIONS (lb/size) 1=4976/0-3-8, 7=2141/Mechanical
Max Horz 1=101(load case 2)
Max Uplift1=-1873(load case 2), 7=-813(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-11282/4239, 2-3=-9782/3702, 3-4=-7574/2881, 4-5=-7574/2881, 5-6=-150/69, 6-7=-144/94
BOT CHORD 1-12=-4112/10735, 11-12=-4112/10735, 11-13=-3627/9517, 10-13=-3627/9517, 9-10=-1644/4326, 8-9=-1644/4326, 7-8=-1644/4326
WEBS 2-12=-236/712, 2-11=-1552/652, 3-11=-1310/3637, 3-10=-2117/884, 4-10=-243/181, 5-10=-1355/3557, 5-8=0/147, 5-7=-4572/1724

NOTES
1) 3-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1873 lb uplift at joint 1 and 813 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 521 lb down and 197 lb up at 9-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 1-13=-549(F=-519), 7-13=-30
Concentrated Loads (lb)
Vert: 13=-521(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052175

Job	Truss	Truss Type	Qty	Ply	
L132305	T02	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:44 2005 Page 1

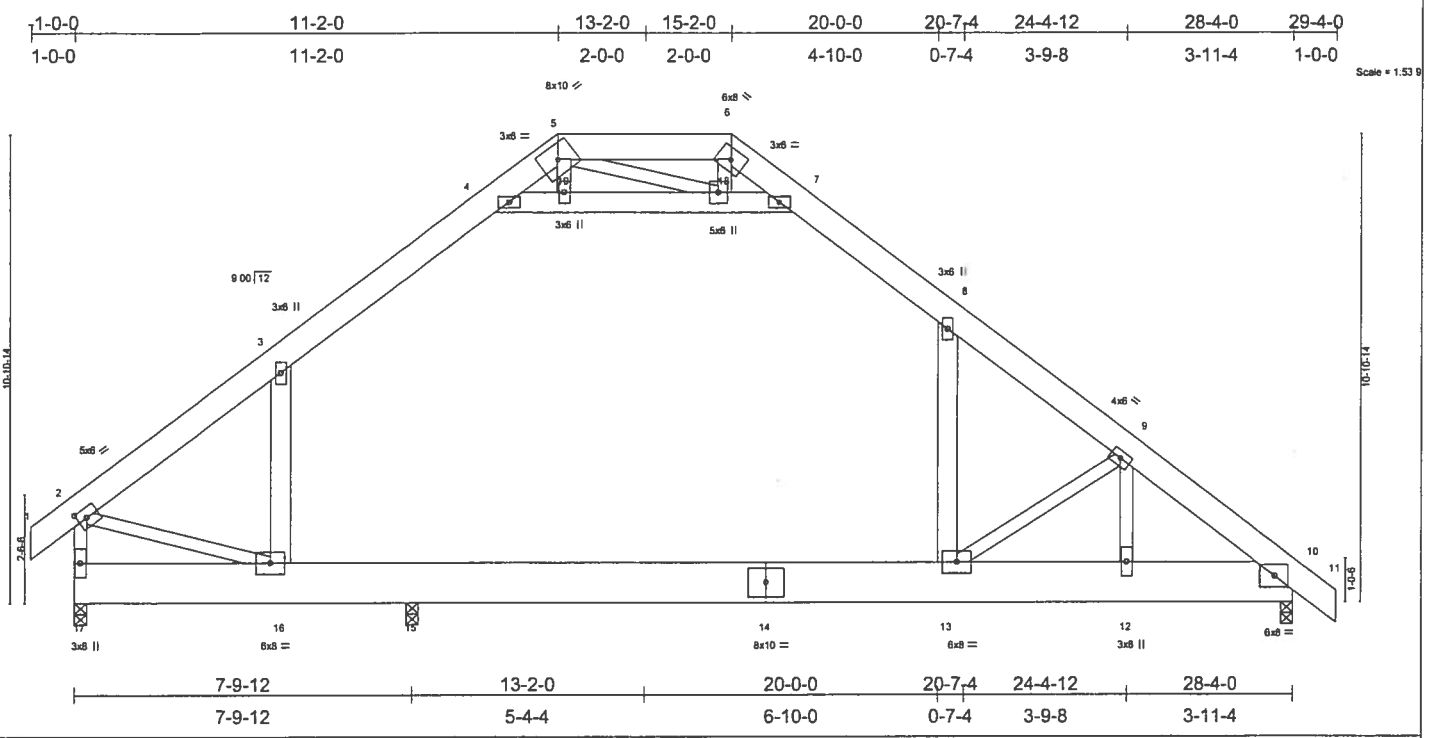


Plate Offsets (X,Y): [2:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.29	13-15	>848	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.46	13-15	>526	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 317 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.

REACTIONS (lb/size) 17=1103/0-3-8, 10=1543/0-3-8, 15=1361/0-3-8
Max Horz 17=-342(load case 3)
Max Uplift17=-179(load case 6), 10=-272(load case 6), 15=-25(load case 5)
Max Grav 17=1103(load case 1), 10=1543(load case 1), 15=1384(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-1389/224, 3-4=-1216/337, 4-5=0/301, 6-7=0/259, 7-8=-1034/338, 8-9=-1611/223, 9-10=-2140/306, 10-11=0/27, 2-17=-1382/214, 5-6=0/306
BOT CHORD 16-17=-313/347, 15-16=-19/1027, 14-15=-19/1027, 13-14=-19/1027, 12-13=-129/1669, 10-12=-128/1666
WEBS 2-16=-167/1065, 8-13=0/682, 3-16=-215/297, 4-19=-1490/353, 18-19=-1476/353, 7-18=-1259/334, 6-18=-119/83, 5-19=-1/135, 5-18=-132/336, 9-12=-89/343, 9-13=-849/331

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-19, 18-19, 7-18; Wall dead load (5.0psf) on member(s).8-13, 3-16
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-16, 13-15
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 17, 272 lb uplift at joint 10 and 25 lb uplift at joint 15.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052176

Job	Truss	Truss Type	Qty	Ply	
L132305	T02G	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:45 2005 Page 1

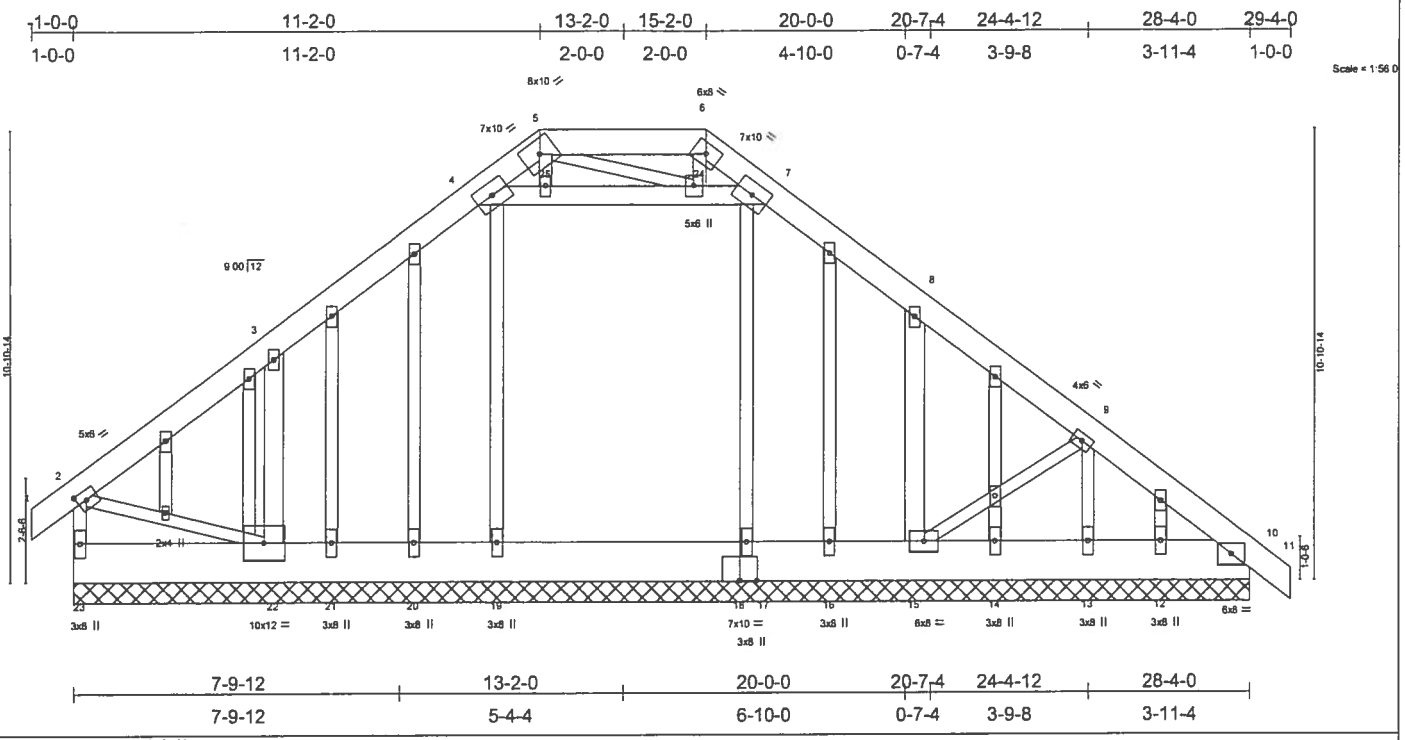


Plate Offsets (X,Y): [2:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.00	10	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 387 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D
OTHERS 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.

REACTIONS (lb/size) 23=806/28-4-0, 22=430/28-4-0, 15=398/28-4-0, 10=533/28-4-0, 13=367/28-4-0, 19=161/28-4-0, 20=15/28-4-0, 21=24/28-4-0, 17=162/28-4-0, 16=9/28-4-0, 14=64/28-4-0, 12=109/28-4-0
Max Horz 23=-342(load case 3)
Max Uplift23=-198(load case 3), 22=-340(load case 5), 15=-279(load case 6), 10=-147(load case 4), 13=-116(load case 5), 21=-4(load case 3), 12=-28(load case 3)
Max Grav 23=806(load case 1), 22=480(load case 10), 15=478(load case 11), 10=533(load case 1), 13=367(load case 1), 19=161(load case 1), 20=16(load case 9), 21=24(load case 1), 17=162(load case 9), 16=9(load case 11), 14=64(load case 11), 12=113(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-693/223, 3-4=-775/326, 4-5=-442/189, 6-7=-418/209, 7-8=-726/333, 8-9=-697/292, 9-10=-634/222, 10-11=0/31, 2-23=-737/205, 5-6=-349/230
BOT CHORD 22-23=-300/332, 21-22=-230/502, 20-21=-230/502, 19-20=-230/502, 18-19=-230/502, 17-18=-230/502, 16-17=-230/502, 15-16=-230/502, 14-15=-169/429, 13-14=-169/429, 12-13=-170/432, 10-12=-170/432
WEBS 2-22=-157/508, 8-15=-444/216, 3-22=-512/319, 4-25=-138/188, 24-25=-134/189, 7-24=-205/251, 6-24=-33/81, 5-25=0/43, 5-24=-125/126, 9-13=-322/157, 9-15=-76/131

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) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-25, 24-25, 7-24; Wall dead load (5.0psf) on member(s).8-15, 3-22
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 23, 340 lb uplift at joint 22, 279 lb uplift at joint 15, 147 lb uplift at joint 10, 116 lb uplift at joint 13, 4 lb uplift at joint 21 and 28 lb uplift at joint 12.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

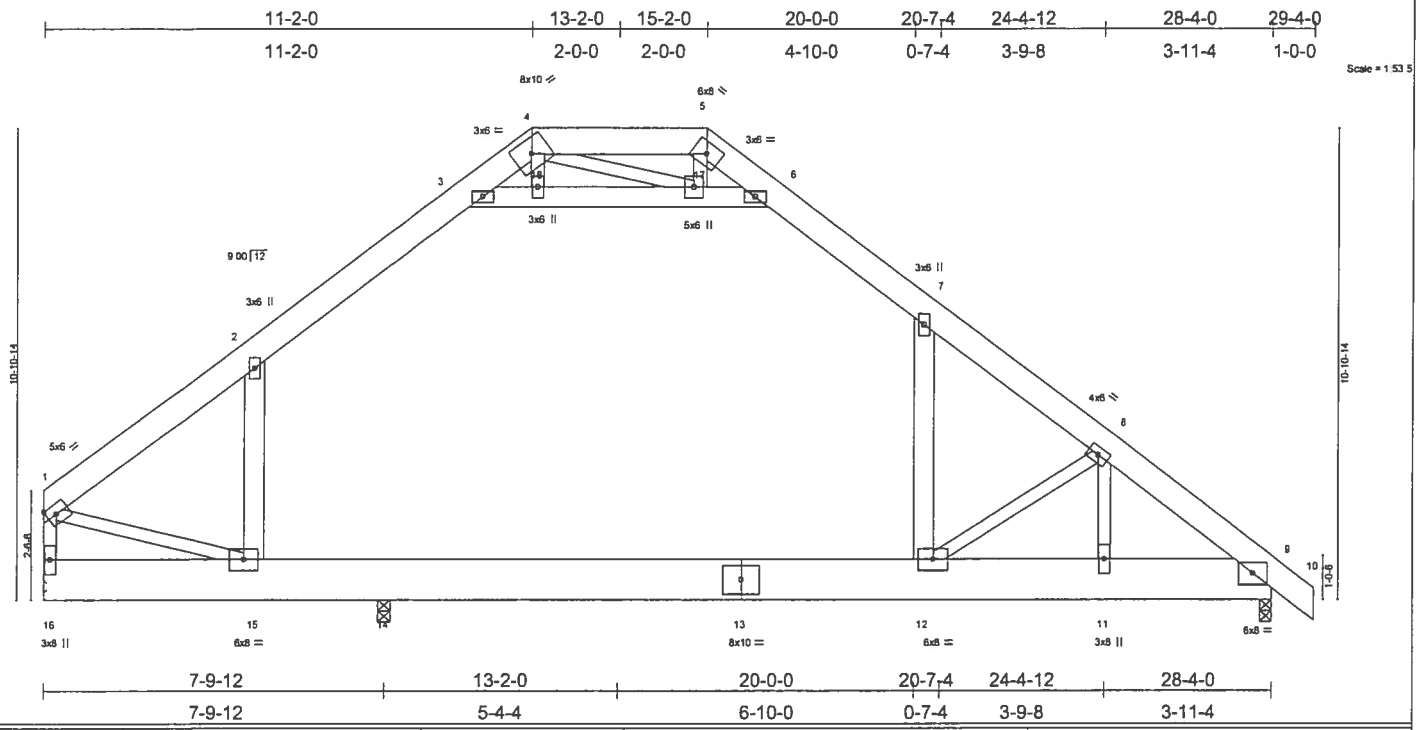
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64(F=-10), 2-3=-64(F=-10), 3-4=-76(F=-10), 4-5=-64(F=-10), 6-7=-64(F=-10), 7-8=-76(F=-10), 8-11=-64(F=-10), 10-23=-30, 4-7=-10, 5-6=-64(F=-10)
Drag: 8-15=-10, 3-22=-10

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052177

Job	Truss	Truss Type	Qty	Ply	
L132305	T03	ROOF TRUSS	5	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:46 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.29	12-14	>848	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.46	12-14	>526	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 314 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.

REACTIONS (lb/size) 16=1037/Mechanical, 9=1542/0-3-8, 14=1367/0-3-8
Max Horz 16=-357(load case 3)
Max Uplift16=-162(load case 6), 9=-272(load case 6), 14=-24(load case 5)
Max Grav 16=1037(load case 1), 9=1542(load case 1), 14=1390(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1385/222, 2-3=-1216/336, 3-4=0/301, 5-6=0/259, 6-7=-1034/336, 7-8=-1611/221, 8-9=-2139/305, 9-10=0/27, 1-16=-1313/174, 4-5=0/306
BOT CHORD 15-16=-298/359, 14-15=-18/1027, 13-14=-18/1027, 12-13=-18/1027, 11-12=-128/1669, 9-11=-127/1665
WEBS 1-15=-179/1057, 7-12=0/682, 2-15=-213/301, 3-18=-1491/352, 17-18=-1476/352, 6-17=-1259/330, 5-17=-119/83, 4-18=-1/135, 4-17=-132/336, 8-11=-90/343, 8-12=-849/332

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-18, 17-18, 6-17; Wall dead load (5.0psf) on member(s).7-12, 2-15
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 12-14
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 16, 272 lb uplift at joint 9 and 24 lb uplift at joint 14.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052178

Job	Truss	Truss Type	Qty	Ply	
L132305	T04	COMMON	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:47 2005 Page 1

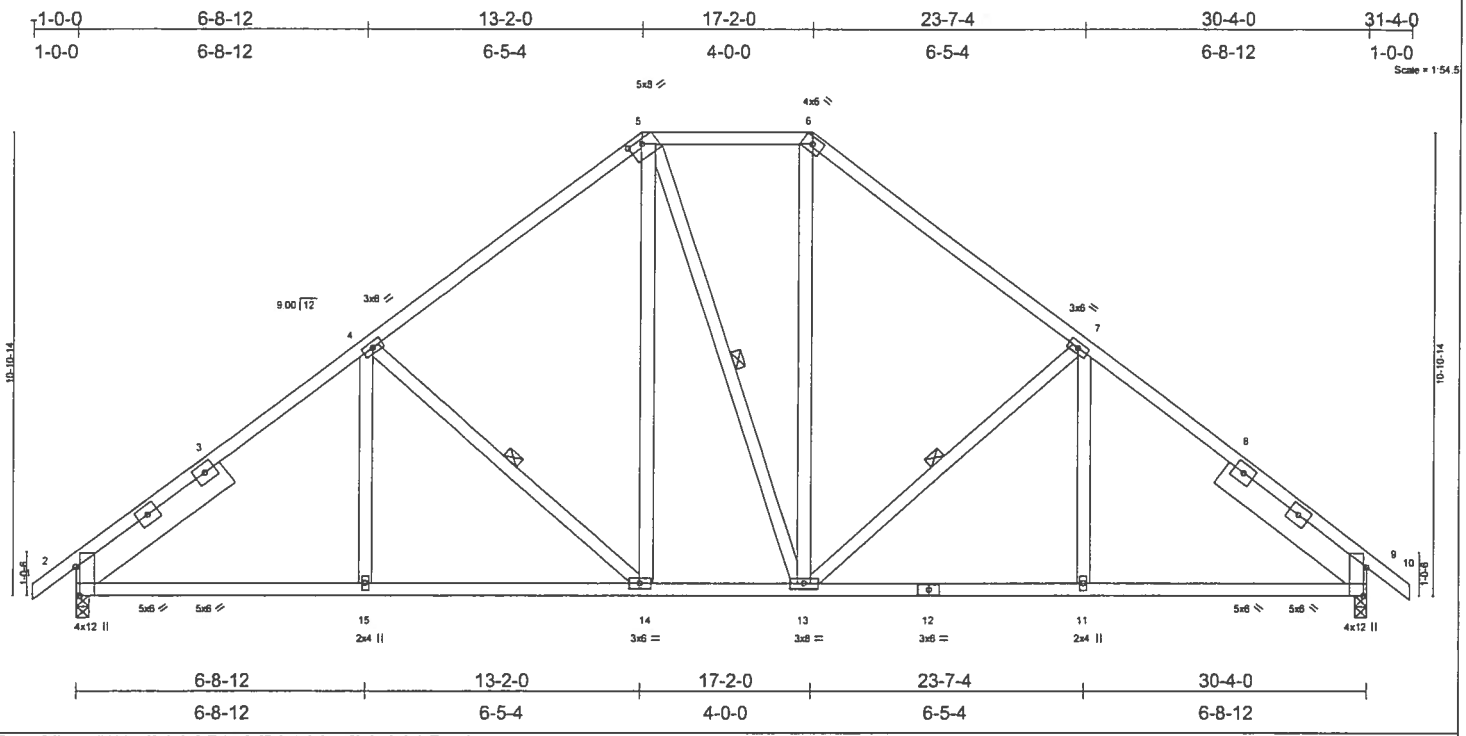


Plate Offsets (X,Y): [2:0-8-0,Edge], [5:0-4-0,0-1-6], [9:0-8-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.16	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 219 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 8 SYP No.1D 4-4-1, Right 2 X 8 SYP No.1D 4-4-1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13, 7-13

REACTIONS (lb/size) 2=1328/0-3-8, 9=1328/0-3-8
Max Horz 2=368(load case 4)
Max Uplift2=-444(load case 5), 9=-444(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/3, 2-3=-1660/569, 3-4=-1549/594, 4-5=-1240/588, 5-6=-917/559, 6-7=-1240/588, 7-8=-1548/594, 8-9=-1659/568, 9-10=0/3
BOT CHORD 2-15=-392/1192, 14-15=-392/1192, 13-14=-242/916, 12-13=-311/1191, 11-12=-311/1191, 9-11=-311/1191
WEBS 4-15=0/201, 4-14=-387/326, 5-14=-181/400, 5-13=-205/205, 6-13=-175/401, 7-13=-385/326, 7-11=0/199

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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2 and 444 lb uplift at joint 9.

LOAD CASE(S) Standard

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THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052179

Job	Truss	Truss Type	Qty	Ply	
L132305	T04G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:48 2005 Page 1

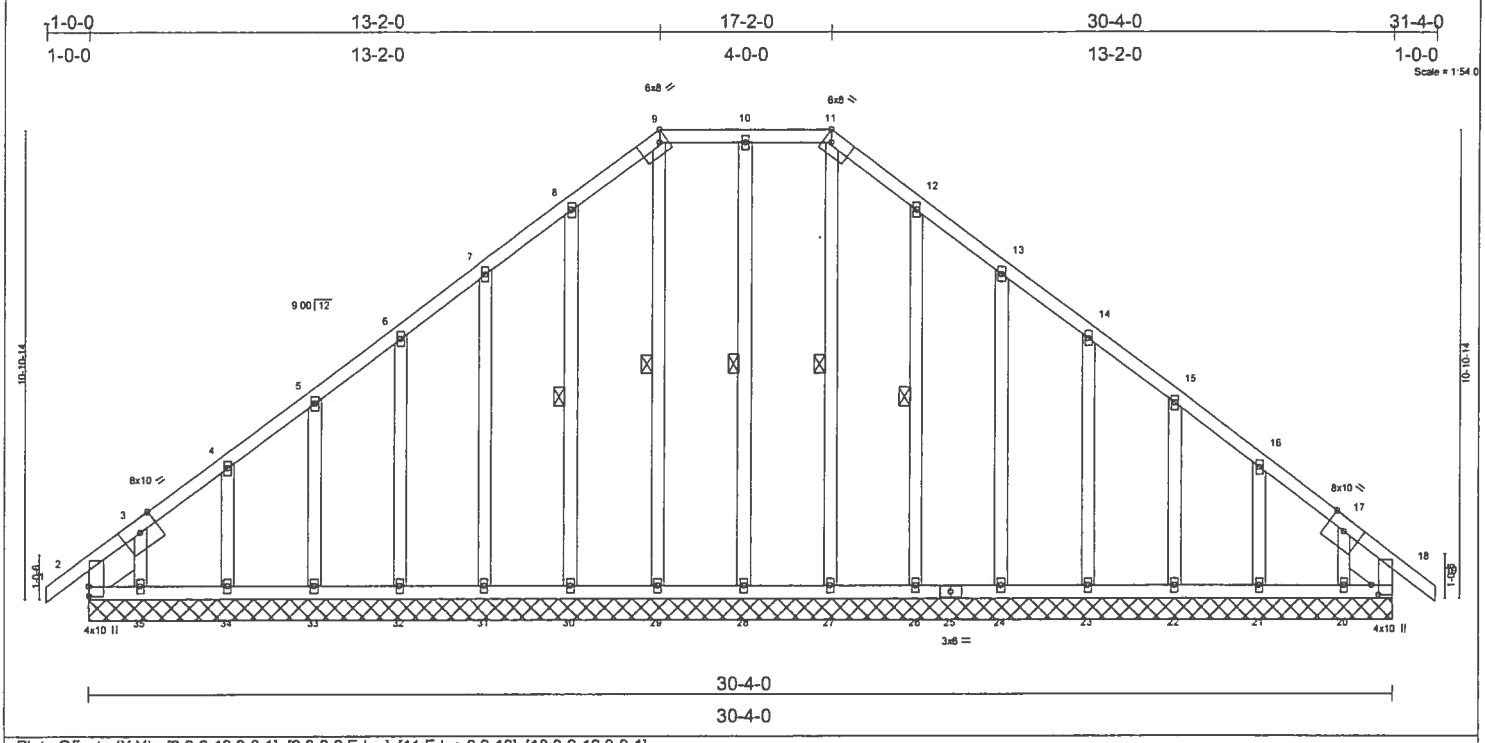


Plate Offsets (X,Y): [2:0-2-12,0-0-1], [9:0-2-2,Edge], [11:Edge,0-2-13], [18:0-2-12,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	19	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	19	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	18	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 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
SLIDER Left 2 X 8 SYP No.1D 1-6-0, Right 2 X 8 SYP No.1D 1-6-0

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 1 Row at midpt 10-28, 9-29, 8-30, 11-27, 12-26

REACTIONS (lb/size) 2=134/30-4-0, 18=134/30-4-0, 28=166/30-4-0, 29=153/30-4-0, 30=167/30-4-0, 31=168/30-4-0, 32=168/30-4-0, 33=168/30-4-0, 34=170/30-4-0, 35=116/30-4-0, 27=153/30-4-0, 26=167/30-4-0, 24=168/30-4-0, 23=168/30-4-0, 22=168/30-4-0, 21=170/30-4-0, 20=116/30-4-0
Max Horz 2=-368(load case 3)
Max Uplift2=-260(load case 3), 18=-106(load case 4), 28=-82(load case 4), 29=-51(load case 4), 30=-107(load case 5), 31=-120(load case 5), 32=-115(load case 5), 33=-115(load case 5), 34=-117(load case 5), 35=-230(load case 5), 26=-105(load case 6), 24=-121(load case 6), 23=-114(load case 6), 22=-115(load case 6), 21=-117(load case 6), 20=-202(load case 6)
Max Grav 2=340(load case 4), 18=186(load case 3), 28=170(load case 10), 29=156(load case 9), 30=167(load case 9), 31=168(load case 1), 32=168(load case 9), 33=168(load case 1), 34=170(load case 9), 35=154(load case 3), 27=156(load case 10), 26=167(load case 10), 24=168(load case 1), 23=168(load case 10), 22=168(load case 1), 21=170(load case 10), 20=119(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/3, 2-3=-449/319, 3-4=-282/232, 4-5=-222/224, 5-6=-165/217, 6-7=-107/209, 7-8=-60/257, 8-9=-59/310, 9-10=-22/280, 10-11=-22/280, 11-12=-59/308, 12-13=-60/233, 13-14=-59/148, 14-15=-60/75, 15-16=-79/81, 16-17=-143/89, 17-18=-296/129, 18-19=0/3
BOT CHORD 2-35=-75/220, 34-35=-75/220, 33-34=-75/220, 32-33=-75/220, 31-32=-75/220, 30-31=-75/220, 29-30=-75/220, 28-29=-75/220, 27-28=-75/220, 26-27=-75/220, 25-26=-75/220, 24-25=-75/220, 23-24=-75/220, 22-23=-75/220, 21-22=-75/220, 20-21=-75/220, 18-20=-75/220
WEBS 10-28=-110/94, 9-29=-110/63, 8-30=-107/119, 7-31=-108/132, 6-32=-108/127, 5-33=-108/126, 4-34=-108/131, 3-35=-135/231, 11-27=-96/8, 12-26=-107/117, 13-24=-108/133, 14-23=-108/126, 15-22=-108/127, 16-21=-108/130, 17-20=-71/205

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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2, 106 lb uplift at joint 18, 82 lb uplift at joint 28, 51 lb uplift at joint 29, 107 lb uplift at joint 30, 120 lb uplift at joint 31, 115 lb uplift at joint 32, 115 lb uplift at joint 33, 117 lb uplift at joint 34, 230 lb uplift at joint 35, 105 lb uplift at joint 26, 121 lb uplift at joint 24, 114 lb uplift at joint 23, 115 lb uplift at joint 22, 117 lb uplift at joint 21 and 202 lb uplift at joint 20.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052180

Job	Truss	Truss Type	Qty	Ply	
L132305	T05	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:50 2005 Page 1

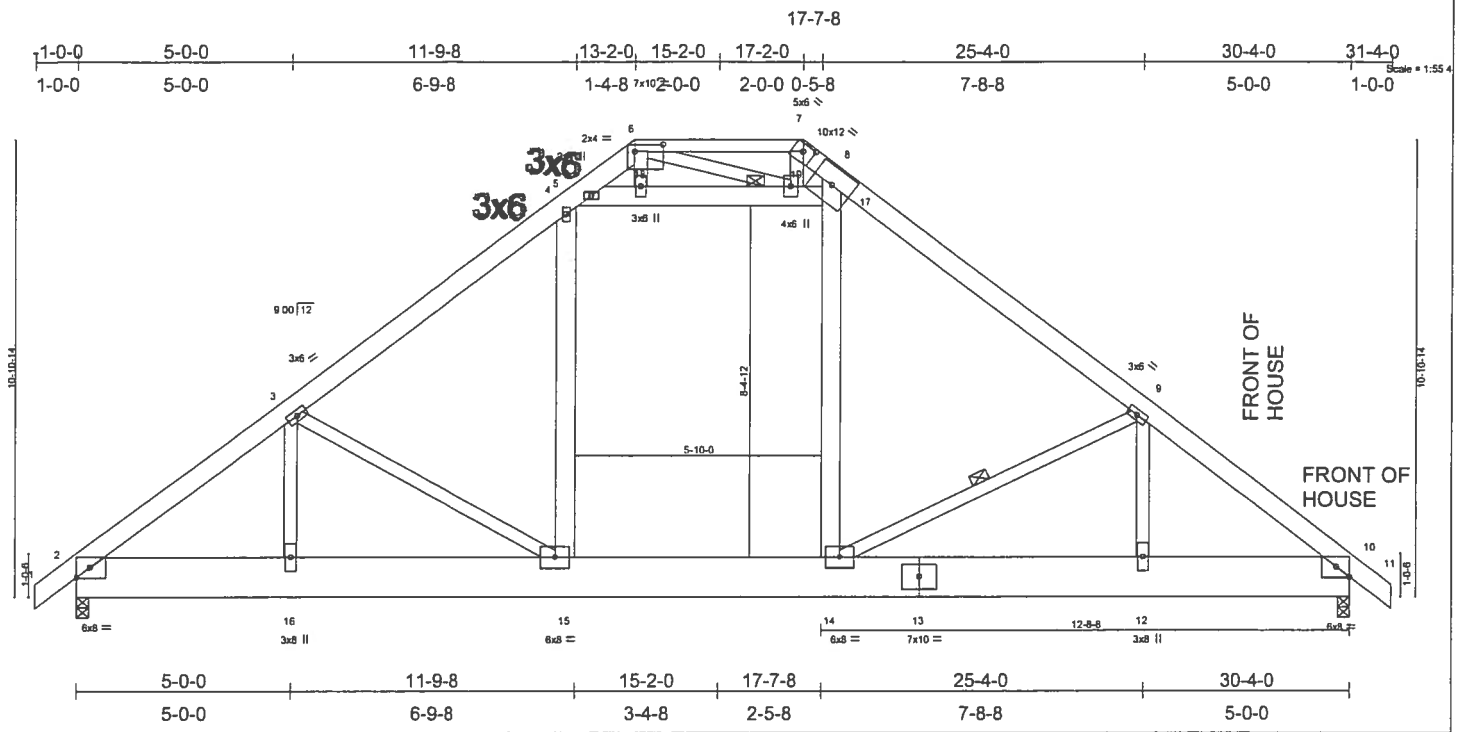


Plate Offsets (X,Y): [6:0-8-0,0-2-0], [7:0-3-0,0-2-2]

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)	-0.06	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.11	15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 329 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T2 2 X 4 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-14
JOINTS 1 Brace at Jt(s): 19

REACTIONS (lb/size) 2=1708/0-3-8, 10=1686/0-3-8
Max Horz 2=357(load case 4)
Max Uplift2=-298(load case 5), 10=-307(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-2310/373, 3-4=-1989/339, 4-5=-1377/357, 5-6=-359/133, 7-8=-915/272, 8-9=-1957/343, 9-10=-2249/387, 10-11=0/24, 6-7=-839/182
BOT CHORD 2-16=-265/1729, 15-16=-265/1729, 14-15=-17/1495, 13-14=-188/1704, 12-13=-188/1704, 10-12=-188/1704
WEBS 3-16=-76/178, 9-12=-70/126, 14-17=-88/838, 8-17=-31/585, 4-15=-95/618, 5-18=-1323/430, 18-19=-1329/439, 17-19=-693/251, 6-18=-46/70, 7-19=-132/287, 6-19=-216/701, 3-15=-361/339, 9-14=-365/371

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-18, 18-19, 17-19; Wall dead load (5.0psf) on member(s).14-17, 4-15
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2 and 307 lb uplift at joint 10.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

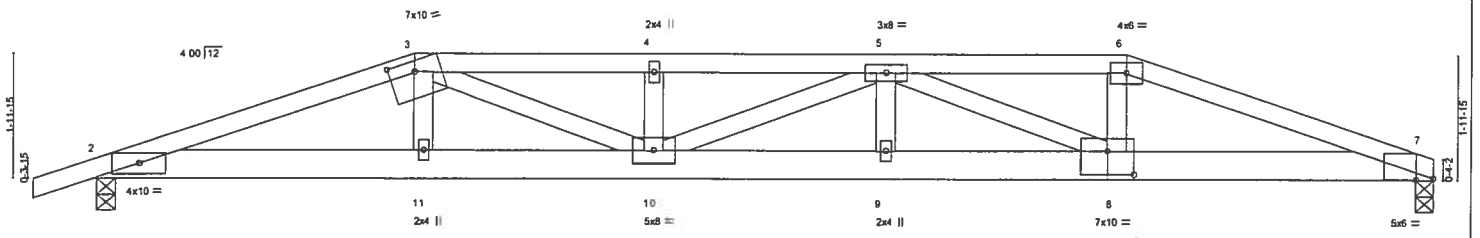
Dwg.#1227052181

Job	Truss	Truss Type	Qty	Ply	
L132305	T07	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:51 2005 Page 1

-1-0-0	5-0-0	8-9-15	12-6-1	16-4-0	21-3-8
1-0-0	5-0-0	3-9-15	3-8-3	3-9-15	4-11-8

Scale = 1:37.0



5-0-0	8-9-15	12-6-1	16-4-0	21-3-8
5-0-0	3-9-15	3-8-3	3-9-15	4-11-8

Plate Offsets (X,Y): [3:0-5-0,0-2-0], [7:0-3-6,0-0-3], [8:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.31	9-10	>801	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.50	9-10	>501	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 108 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 2-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.

REACTIONS (lb/size) 7=1444/0-3-8, 2=1508/0-3-8
Max Horz 2=49(load case 2)
Max Uplift7=-573(load case 3), 2=-639(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-3954/1561, 3-4=-4868/1954, 4-5=-4868/1954, 5-6=-3740/1529, 6-7=-3898/1553
BOT CHORD 2-11=-1461/3713, 10-11=-1468/3753, 9-10=-1939/4982, 8-9=-1939/4982, 7-8=-1429/3657
WEBS 3-11=-82/444, 3-10=-526/1304, 4-10=-333/245, 5-10=-165/74, 5-9=0/249, 5-8=-1448/587, 6-8=-289/946

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 573 lb uplift at joint 7 and 639 lb uplift at joint 2.
5) Girder carries hip end with 4-11-8 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 243 lb down and 107 lb up at 16-4-0, and 245 lb down and 107 lb up at 5-0-0 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).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-91(F=-37), 6-7=-54, 2-11=-30, 8-11=-50(F=-20), 7-8=-30
Concentrated Loads (lb)
Vert: 8=-243(F) 11=-245(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052182

Job	Truss	Truss Type	Qty	Ply	
L132305	T08	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:52 2005 Page 1

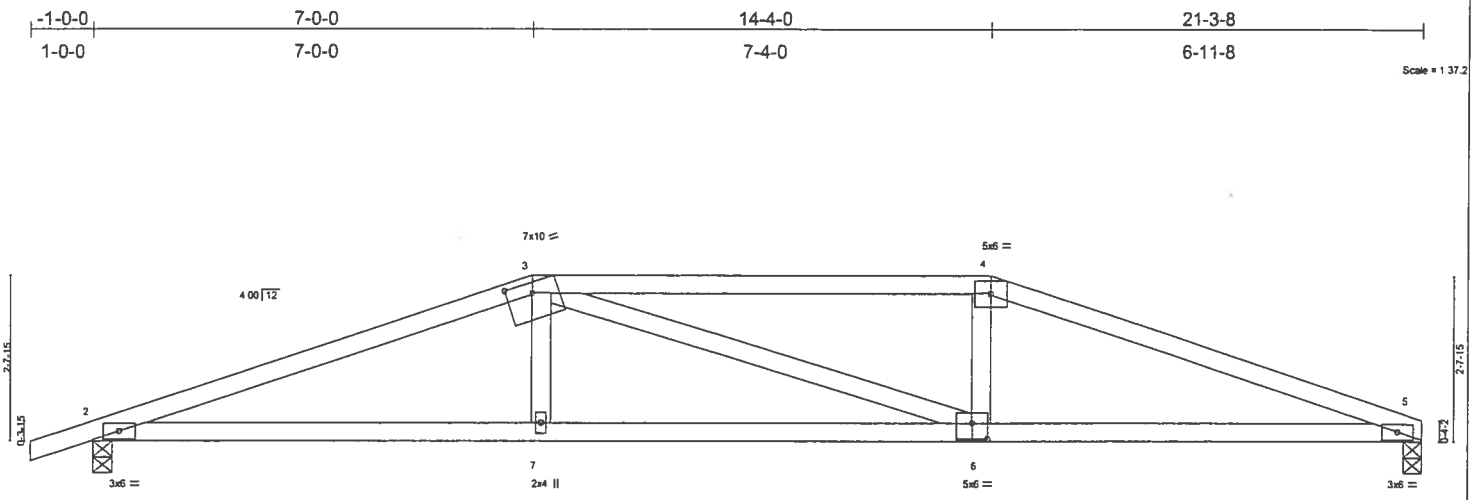


Plate Offsets (X,Y): [3:0-5-0,0-2-0], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.15	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.25	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.06	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 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 4-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing.

REACTIONS (lb/size) 5=880/0-3-8, 2=946/0-3-8
Max Horz 2=54(load case 3)
Max Uplift5=-314(load case 4), 2=-381(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-2019/814, 3-4=-1877/832, 4-5=-2011/824
BOT CHORD 2-7=-703/1860, 6-7=-700/1874, 5-6=-713/1863
WEBS 3-7=0/236, 3-6=-200/201, 4-6=0/278

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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 5 and 381 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

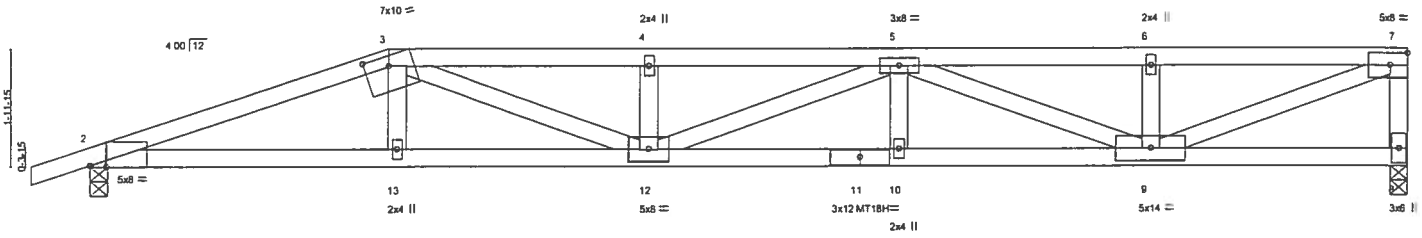
Dwg.#1227052183

Job	Truss	Truss Type	Qty	Ply	
L132305	T09	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:52 2005 Page 1

-1-0-0	5-0-0	9-4-14	13-8-0	17-11-2	22-4-0
1-0-0	5-0-0	4-4-14	4-3-2	4-3-2	4-4-14

Scale = 1:39.3



5-0-0	9-4-14	13-8-0	17-11-2	22-4-0
5-0-0	4-4-14	4-3-2	4-3-2	4-4-14

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.39	10-12	>670	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.63	10-12	>418	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 104 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.

REACTIONS (lb/size) 8=1575/0-3-8, 2=1557/0-3-8
Max Horz 2=98(load case 2)
Max Uplift8=-637(load case 2), 2=-663(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-4002/1595, 3-4=-5125/2086, 4-5=-5125/2086, 5-6=-3250/1314, 6-7=-3250/1314, 7-8=-1440/640
BOT CHORD 2-13=-1539/3741, 12-13=-1546/3778, 11-12=-2009/4954, 10-11=-2009/4954, 9-10=-2009/4954, 8-9=-72/176
WEBS 3-13=-73/440, 3-12=-614/1443, 4-12=-382/294, 5-12=-89/184, 5-10=0/223, 5-9=-1835/748, 6-9=-366/284, 7-9=-1337/3310

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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 637 lb uplift at joint 8 and 663 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 107 lb up at 5-0-0 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).

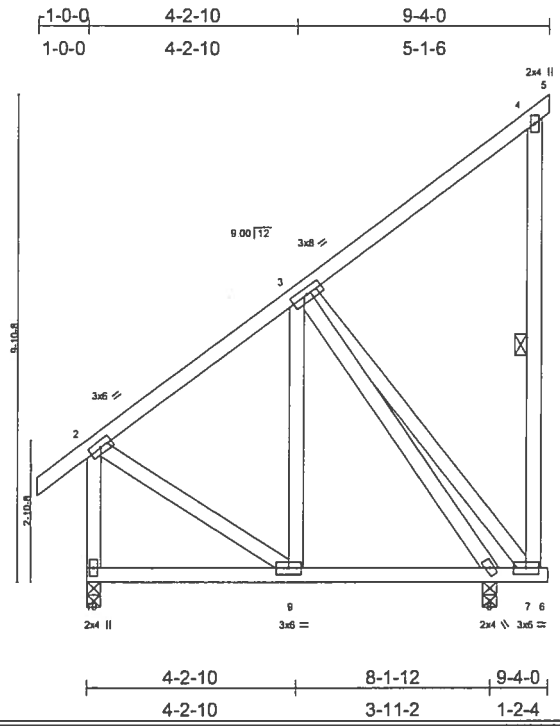
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-7=-91(F=-37), 2-13=-30, 8-13=-50(F=-20)
Concentrated Loads (lb)
Vert: 13=-245(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052184

Job	Truss	Truss Type	Qty	Ply	
L132305	T10	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:53 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.01	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.
WEBS 1 Row at midpt 4-7

REACTIONS (lb/size) 10=402/0-3-8, 8=420/0-3-8
Max Horz 10=372(load case 5)
Max Uplift8=-411(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-10=-341/0, 1-2=0/37, 2-3=-232/0, 3-4=-109/62, 4-5=-2/0, 4-7=-114/145
BOT CHORD 9-10=-374/24, 8-9=-186/139, 7-8=-49/79, 6-7=0/0
WEBS 2-9=0/227, 3-9=-80/36, 3-8=-328/451, 3-7=-130/83

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052185

Job	Truss	Truss Type	Qty	Ply	
L132305	T10G	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:54 2005 Page 1

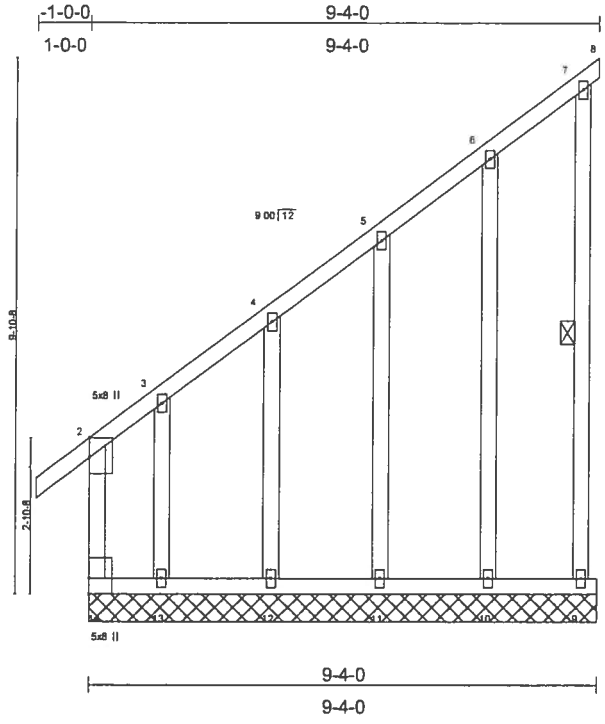


Plate Offsets (X,Y): [2:0-4-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.01	1	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	-0.23	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 84 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2 *Except*
W2 2 X 4 SYP No.3
OTHERS 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:
8-3-12 oc bracing: 13-14.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 8=14/9-4-0, 9=59/9-4-0, 14=129/9-4-0, 10=169/9-4-0, 11=167/9-4-0, 12=176/9-4-0, 13=110/9-4-0
Max Horz 14=373(load case 5)
Max Uplift8=-93(load case 5), 9=-22(load case 5), 14=-64(load case 3), 10=-30(load case 5), 11=-161(load case 5), 13=-1090(load case 5)
Max Grav 8=14(load case 1), 9=59(load case 1), 14=1033(load case 5), 10=169(load case 1), 11=167(load case 1), 12=176(load case 1), 13=110(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-620/49, 3-4=-282/35, 4-5=-216/31, 5-6=-119/31, 6-7=-48/16, 7-8=-60/7, 7-9=-39/0, 2-14=-542/48
BOT CHORD 13-14=-13/1, 12-13=-13/1, 11-12=-13/1, 10-11=-13/1, 9-10=-13/1
WEBS 6-10=-108/101, 5-11=-108/145, 4-12=-114/93, 3-13=-63/553

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) 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"
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 8, 22 lb uplift at joint 9, 64 lb uplift at joint 14, 30 lb uplift at joint 10, 161 lb uplift at joint 11 and 1090 lb uplift at joint 13.

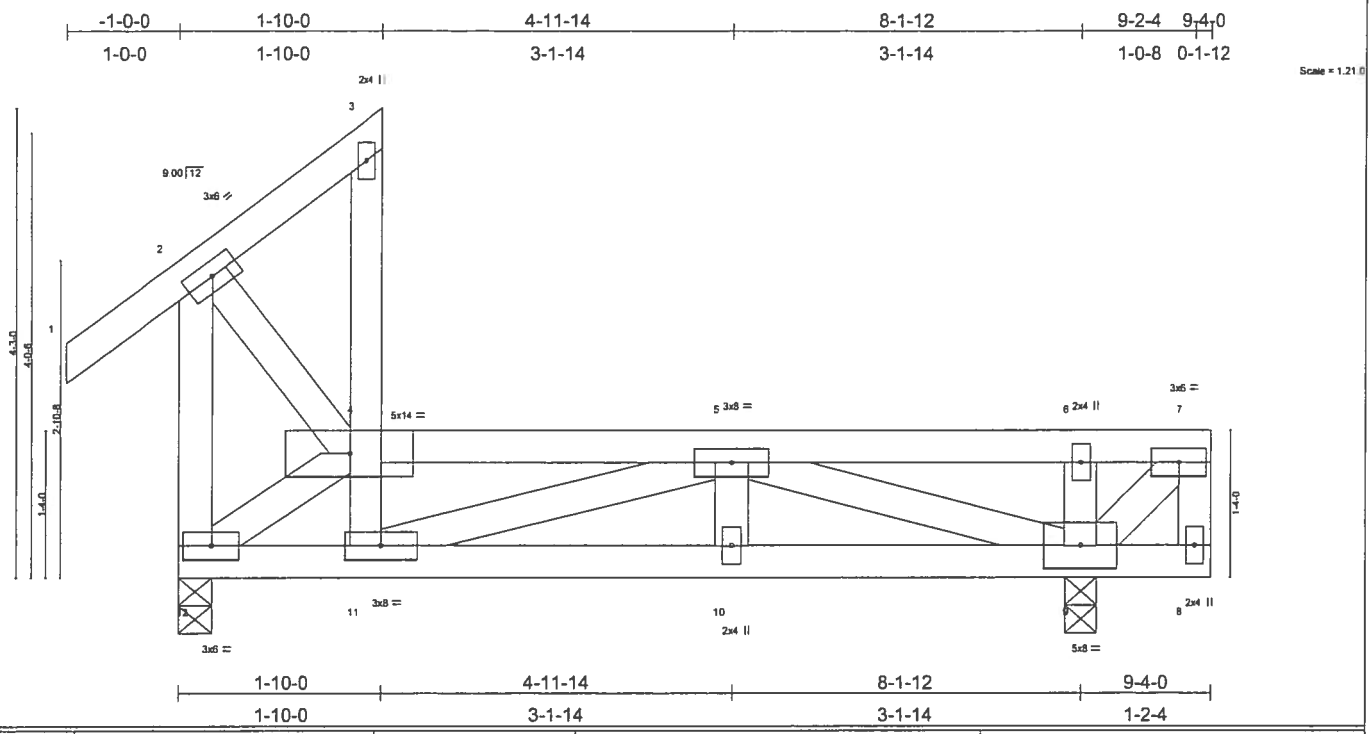
LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052186

Job	Truss	Truss Type	Qty	Ply	
L132305	T11	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:55 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.04	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.07	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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 5-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 9=2446/0-3-8, 12=755/0-3-8
Max Horz 12=216(load case 4)
Max Uplift9=-975(load case 5), 12=-224(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-76/24, 4-11=-12/131, 3-4=-25/44, 4-5=-1132/746, 5-6=-278/756, 6-7=-278/756, 7-8=-165/64, 2-12=-110/21
BOT CHORD 11-12=-639/876, 10-11=-659/1333, 9-10=-659/1333, 8-9=-124/47
WEBS 5-11=-219/84, 5-10=0/58, 5-9=-2179/981, 6-9=-847/368, 7-9=-902/328, 4-12=-1048/519, 2-4=-34/227

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 975 lb uplift at joint 9 and 224 lb uplift at joint 12.
5) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 954 lb down and 360 lb up at 9-2-4 on top 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).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 4-7=-244(F=-190), 8-12=-30
Concentrated Loads (lb)
Vert: 7=-954(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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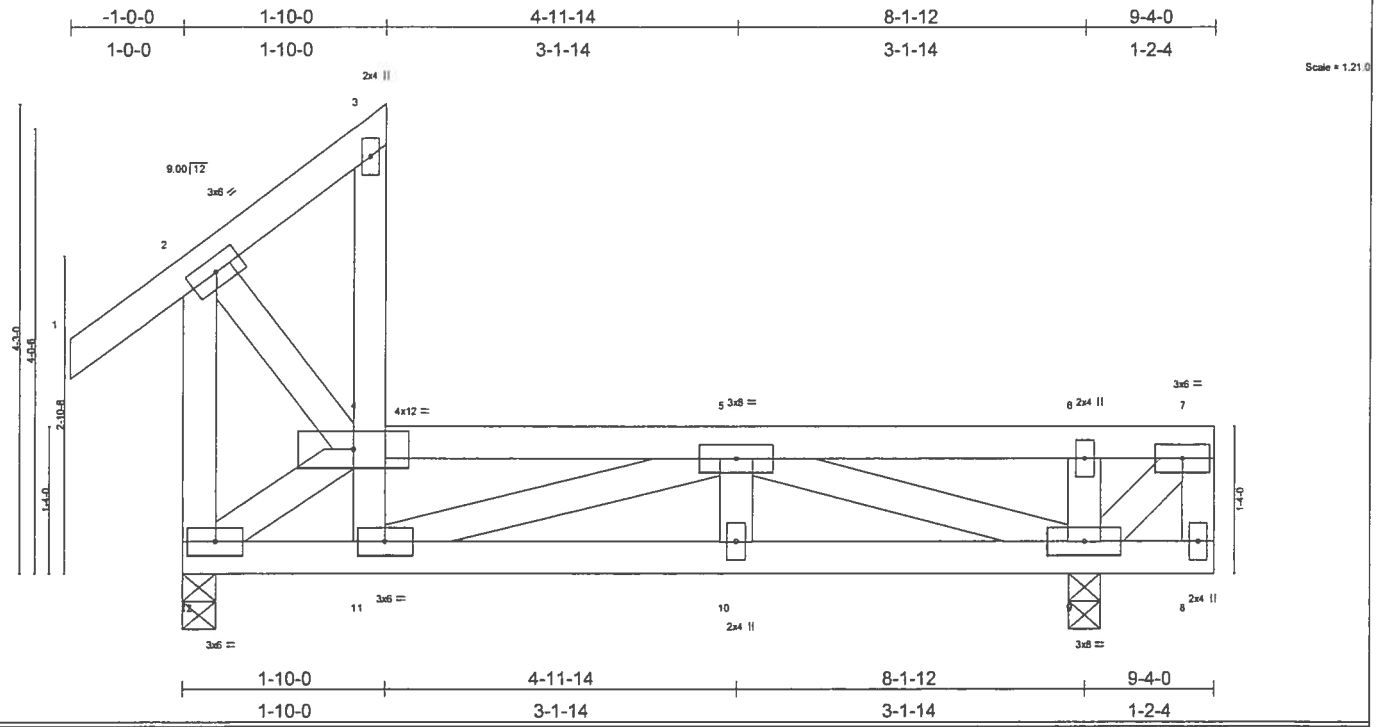
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052187

Job	Truss	Truss Type	Qty	Ply	
L132305	T12	SPECIAL	8	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:55 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.03	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.05	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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.

REACTIONS (lb/size) 9=822/0-3-8, 12=600/0-3-8
Max Horz 12=216(load case 4)
Max Uplift9=-362(load case 5), 12=-165(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-74/25, 4-11=-21/176, 3-4=-25/45, 4-5=-814/627, 5-6=-85/38, 6-7=-85/38, 7-8=-52/21, 2-12=-119/23
BOT CHORD 11-12=-554/650, 10-11=-589/1148, 9-10=-589/1148, 8-9=-24/10
WEBS 5-11=-358/111, 5-10=0/61, 5-9=-1119/581, 6-9=-422/208, 7-9=-67/155, 4-12=-780/418, 2-4=-18/221

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint 9 and 165 lb uplift at joint 12.
5) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
6) 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, 2-3=-54, 4-7=-134(F=-80), 8-12=-30

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052188

Job	Truss	Truss Type	Qty	Ply	
L132305	T16	SPECIAL	1	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

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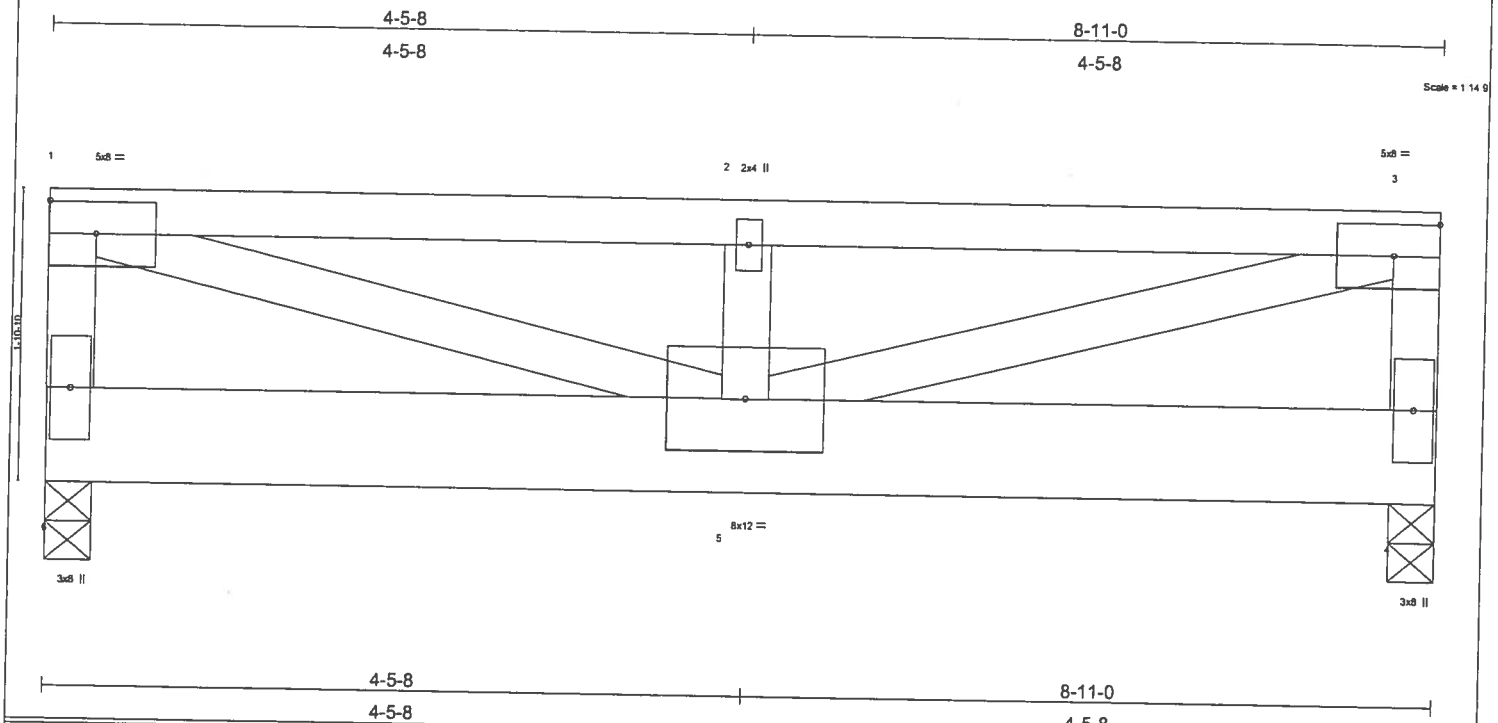

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.08	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.13	5	>820	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=1943/0-3-8, 4=1943/0-3-8
Max Uplift6=-734(load case 2), 4=-734(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-953/388, 1-2=-2754/1036, 2-3=-2754/1036, 3-4=-953/388
BOT CHORD 5-6=-175/428, 4-5=-175/428
WEBS 1-5=-907/2452, 2-5=-110/122, 3-5=-907/2452

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) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 734 lb uplift at joint 6 and 734 lb uplift at joint 4.
4) Girder carries tie-in span(s): 19-9-0 from 0-0-0 to 8-11-0
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: 1-3=-54, 4-6=-397(F=-367)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052189

Job	Truss	Truss Type	Qty	Ply	
L132305	T17	COMMON	12	1	Job Reference (optional)

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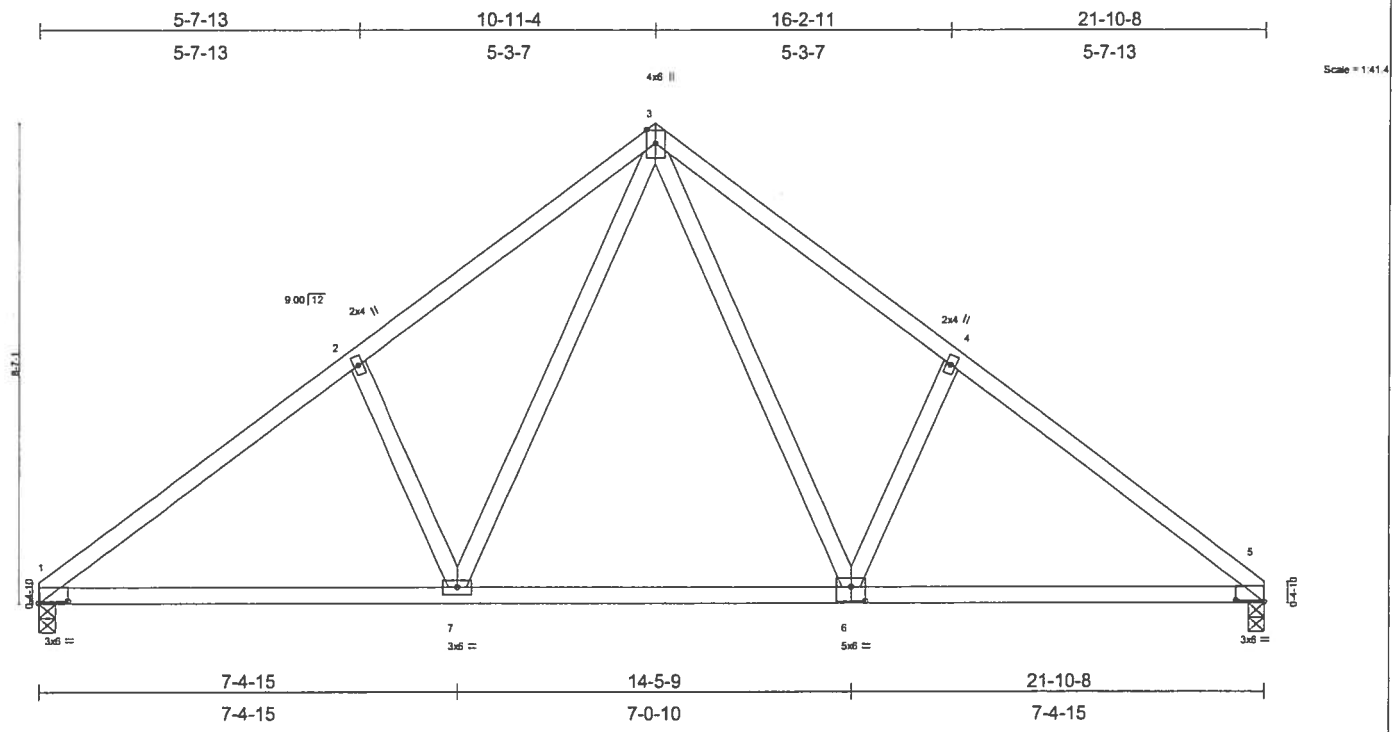

Plate Offsets (X,Y): [1:0-6-3,0-0-6], [5:0-6-3,0-0-6], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.17	1-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 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 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=906/0-3-8, 5=906/0-3-8
Max Horz 1=-287(load case 3)
Max Uplift1=-282(load case 5), 5=-282(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1192/435, 2-3=-1090/529, 3-4=-1090/529, 4-5=-1192/435
BOT CHORD 1-7=-310/897, 6-7=-88/602, 5-6=-246/897
WEBS 2-7=-263/300, 3-7=-266/519, 3-6=-266/519, 4-6=-263/300

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 1 and 282 lb uplift at joint 5.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052190

Job	Truss	Truss Type	Qty	Ply	
L132305	T17G	COMMON	2	1	Job Reference (optional)

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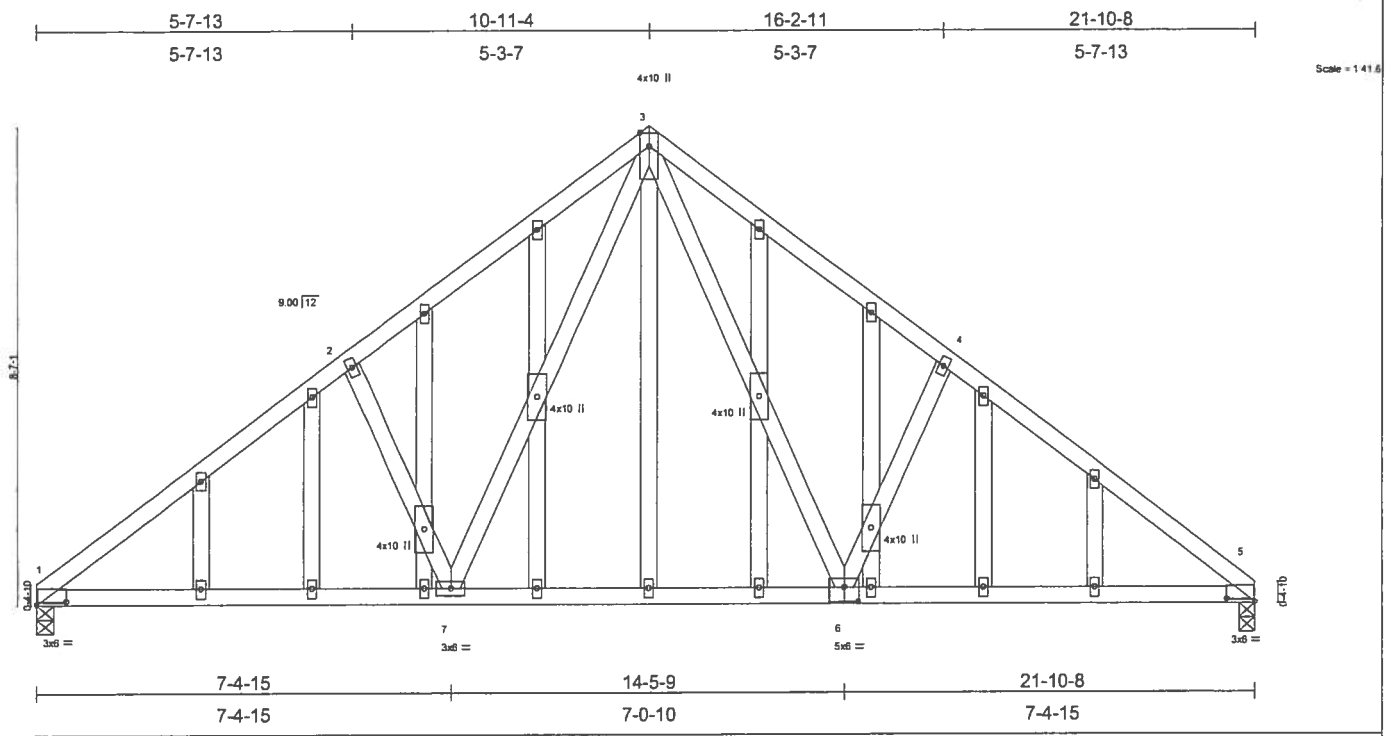

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [5:0-6-3,0-0-10], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.11	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.18	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1014/0-3-8, 5=1014/0-3-8
Max Horz 1=287(load case 4)
Max Uplift1=-323(load case 5), 5=-323(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1342/476, 2-3=-1221/563, 3-4=-1221/563, 4-5=-1342/476
BOT CHORD 1-7=-351/1006, 6-7=-115/675, 5-6=-283/1006
WEBS 2-7=-308/316, 3-7=-283/566, 3-6=-283/566, 4-6=-308/317

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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 323 lb uplift at joint 1 and 323 lb uplift at joint 5.
7) 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=-64(F=-10), 3-5=-64(F=-10), 1-5=-30

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052191

Job	Truss	Truss Type	Qty	Ply	
L132305	T18	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:59 2005 Page 1

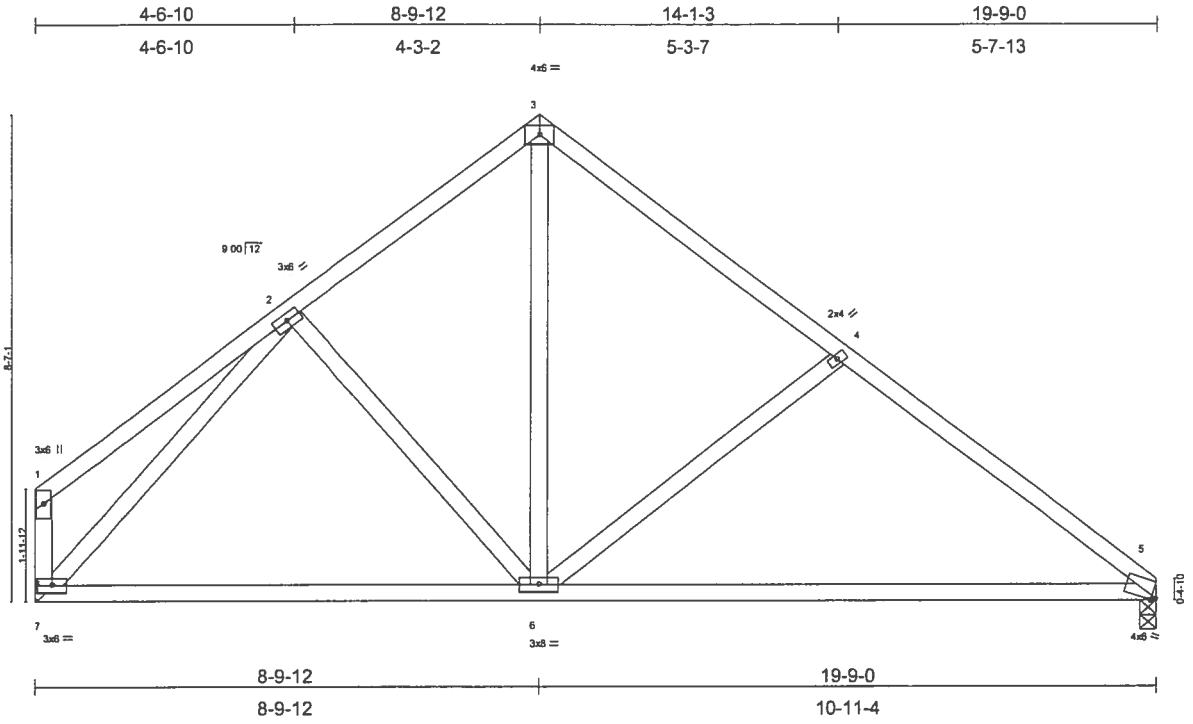

Plate Offsets (X,Y): [5:0-1-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.31	5-6	>764	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.52	5-6	>447	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 109 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 5-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=817/0-3-8, 7=817/Mechanical
Max Horz 7=-280(load case 3)
Max Uplift5=-254(load case 6), 7=-246(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-223/133, 2-3=-721/355, 3-4=-753/345, 4-5=-987/388, 1-7=-211/149
BOT CHORD 6-7=-187/549, 5-6=-209/752
WEBS 2-6=-88/195, 3-6=-234/534, 4-6=-299/303, 2-7=-655/220

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 254 lb uplift at joint 5 and 246 lb uplift at joint 7.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052192

Job	Truss	Truss Type	Qty	Ply	
L132305	T19	MONO TRUSS	11	1	Job Reference (optional)

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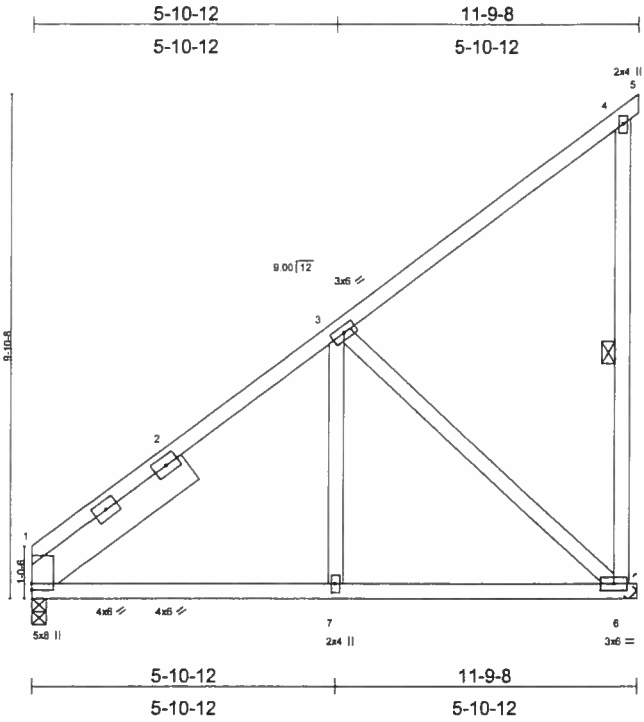


Plate Offsets (X,Y): [1:0-1-8,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.02	1-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.04	1-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 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 8 SYP No.1D 3-9-13

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.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 1=483/0-3-8, 6=487/Mechanical
Max Horz 1=439(load case 5)
Max Uplift1=-1(load case 5), 6=-373(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-489/0, 2-3=-400/0, 3-4=-118/66, 4-5=-2/0, 4-6=-130/158
BOT CHORD 1-7=-258/320, 6-7=-258/320
WEBS 3-7=0/187, 3-6=-418/340

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 373 lb uplift at joint 6.

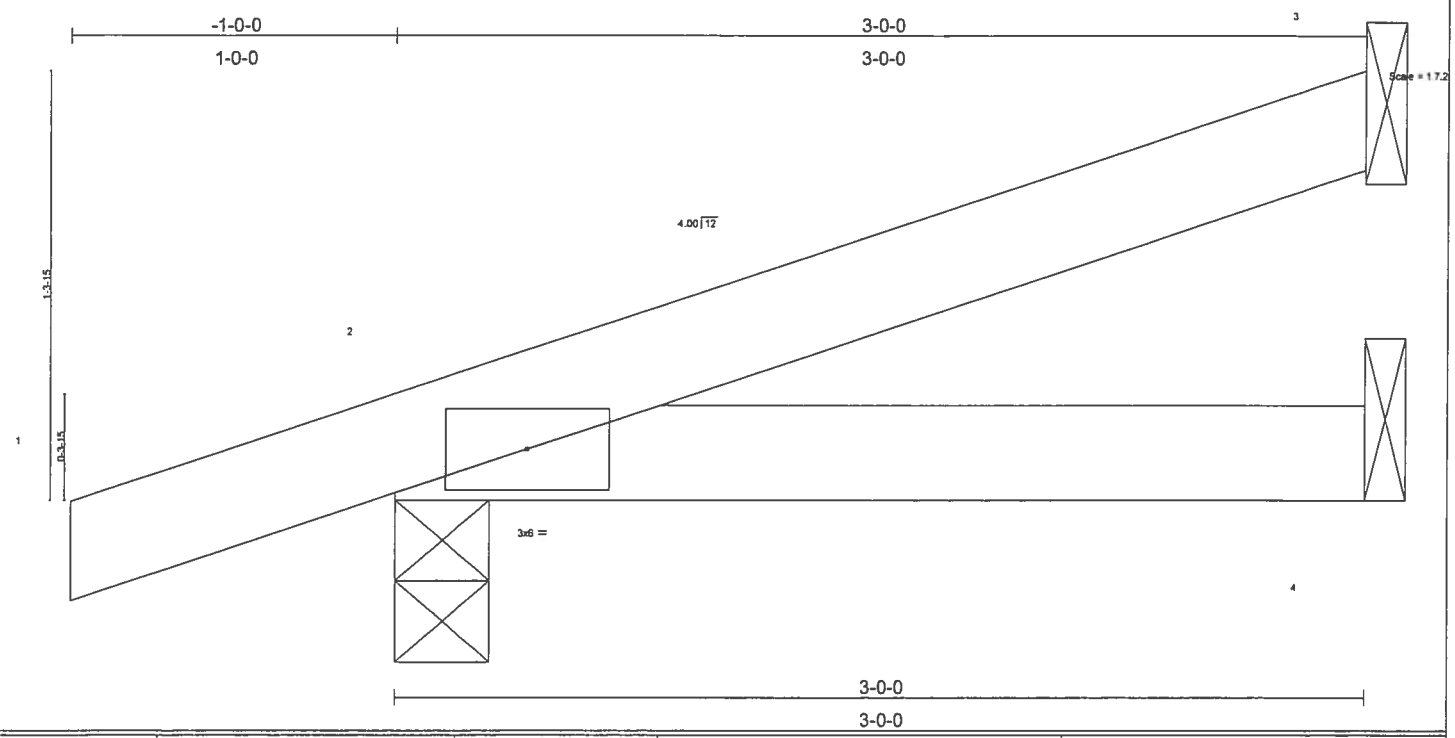
LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052193

Job	Truss	Truss Type	Qty	Ply	
L132305	CJ3	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:39 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
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: 11 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=63/Mechanical, 2=192/0-3-8, 4=42/Mechanical
Max Horz 2=66(load case 3)
Max Uplift3=-47(load case 3), 2=-115(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-35/16
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 115 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052194

Job	Truss	Truss Type	Qty	Ply	
L132305	DM1	KINGPOST	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:40 2005 Page 1

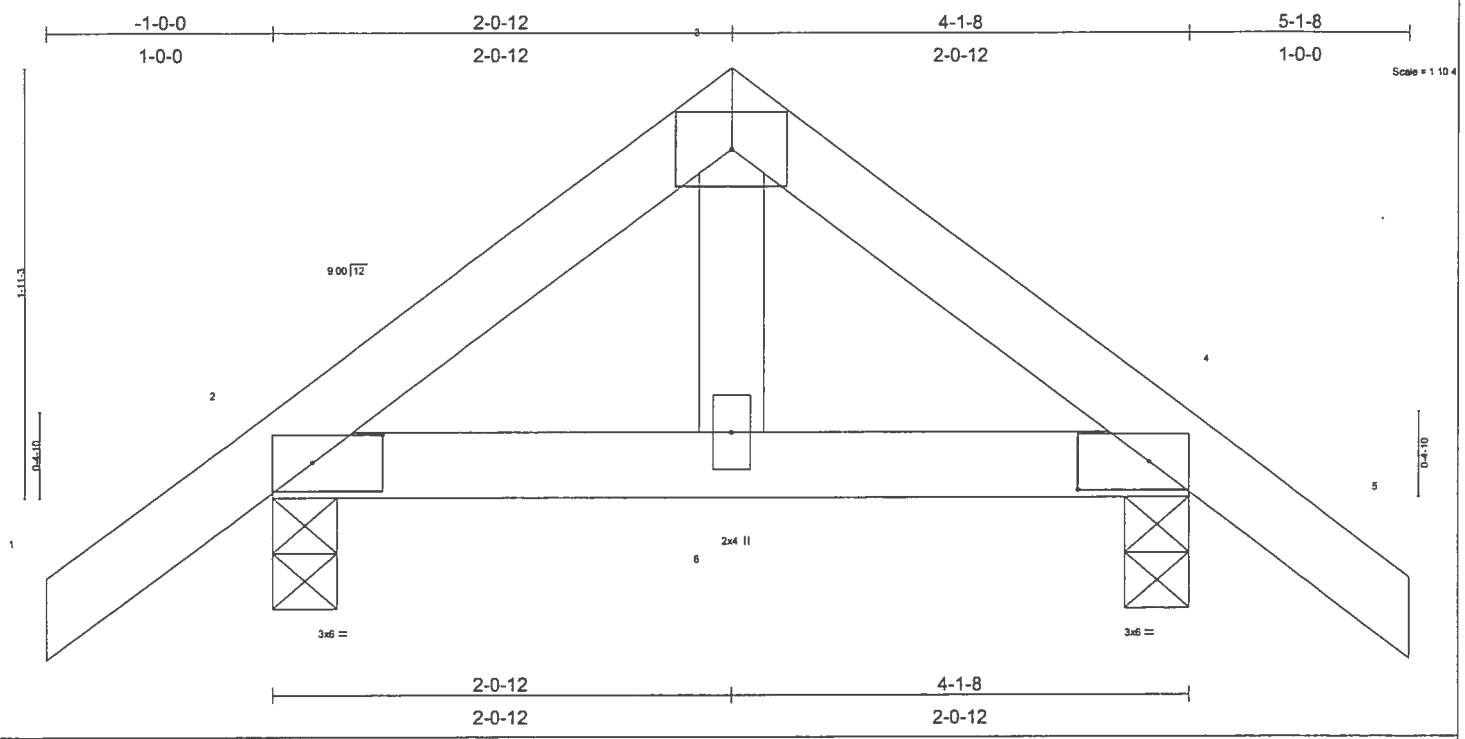

Plate Offsets (X,Y): [2:0-3-13,0-1-8], [4:0-3-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=223/0-3-8, 4=223/0-3-8
Max Horz 2=-59(load case 3)
Max Uplift2=-123(load case 5), 4=-123(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-149/28, 3-4=-149/28, 4-5=0/32
BOT CHORD 2-6=0/89, 4-6=0/89
WEBS 3-6=0/68

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2 and 123 lb uplift at joint 4.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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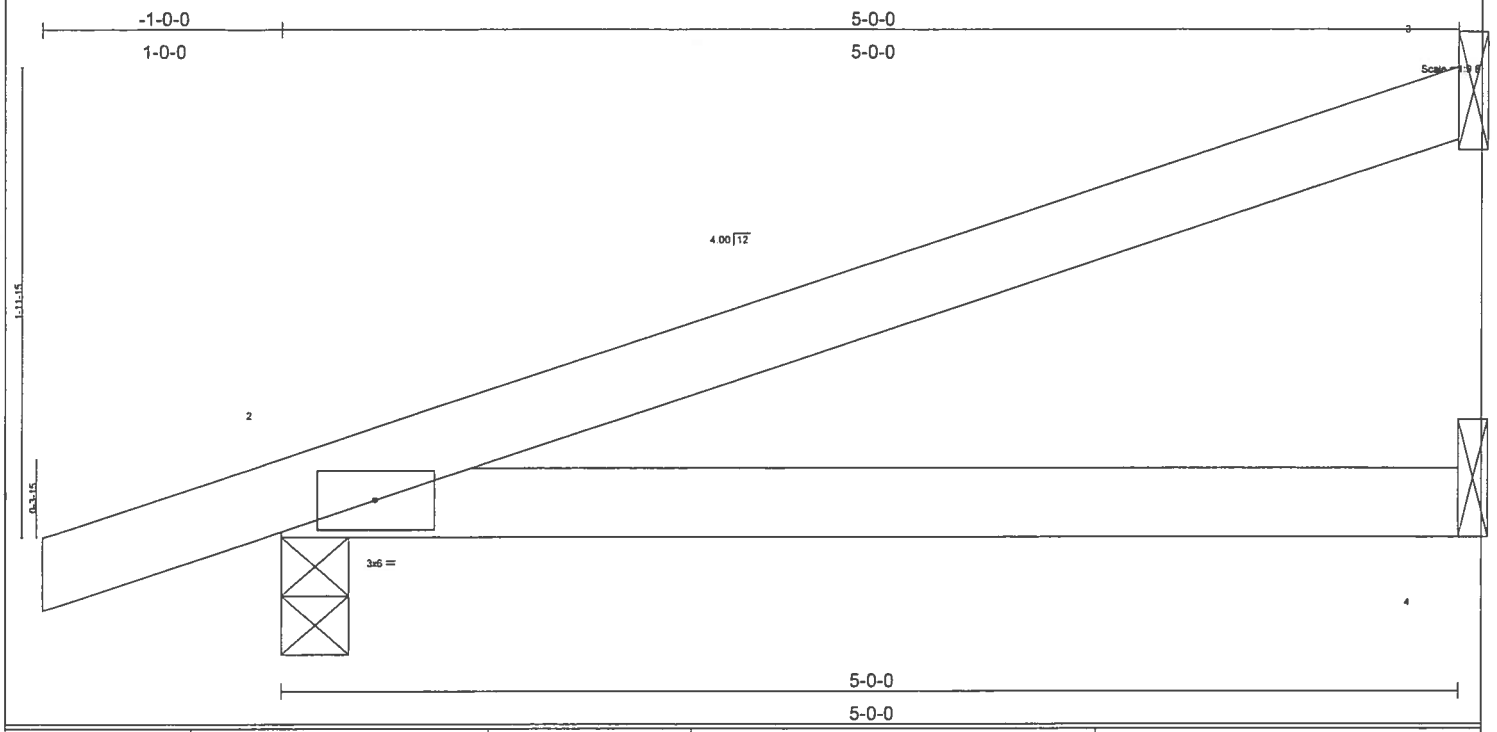
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052195

Job	Truss	Truss Type	Qty	Ply	
L132305	EJ5	MONO TRUSS	16	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:41 2005 Page 1



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)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
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: 17 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=122/Mechanical, 2=271/0-3-8, 4=72/Mechanical
Max Horz 2=97(load case 3)
Max Uplift3=-96(load case 3), 2=-135(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-65/32
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 3 and 135 lb uplift at joint 2.

LOAD CASE(S) Standard

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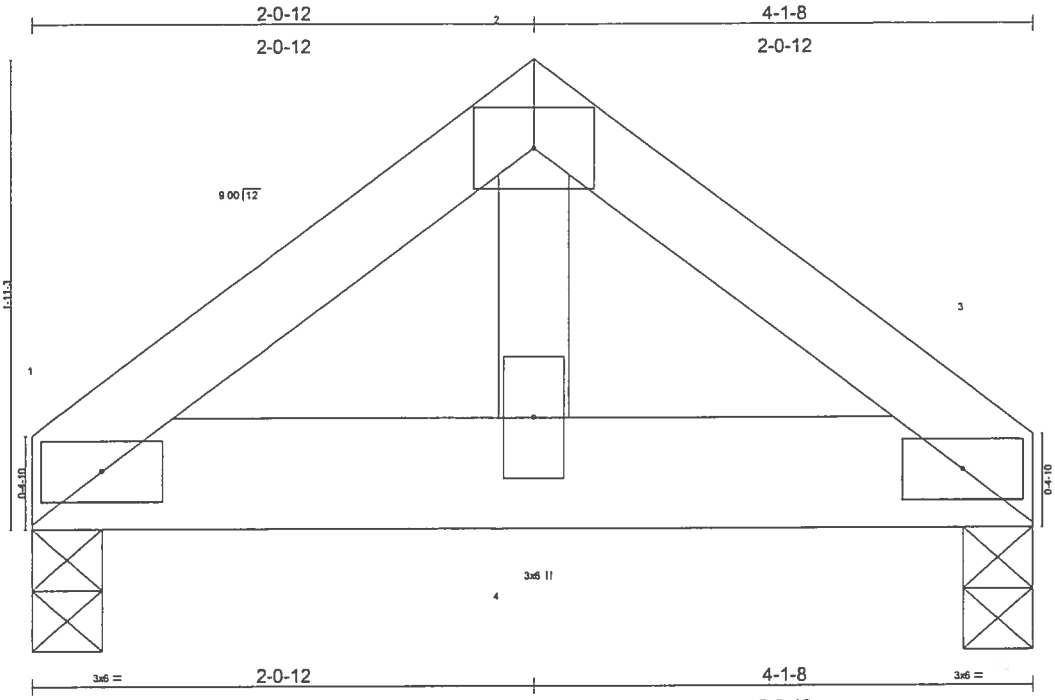
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052196

Job	Truss	Truss Type	Qty	Ply	
L132305	GR01	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:41 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.01	4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.01	4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=954/0-3-8, 3=954/0-3-8
Max Horz 1=53(load case 3)
Max Uplift1=-360(load case 4), 3=-360(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-844/316, 2-3=-844/315
BOT CHORD 1-4=-226/641, 3-4=-226/641
WEBS 2-4=-325/917

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint 1 and 360 lb uplift at joint 3.
4) Girder carries tie-in span(s): 22-0-0 from 0-0-0 to 4-1-8
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, 2-3=-54, 1-3=-444(F=-414)

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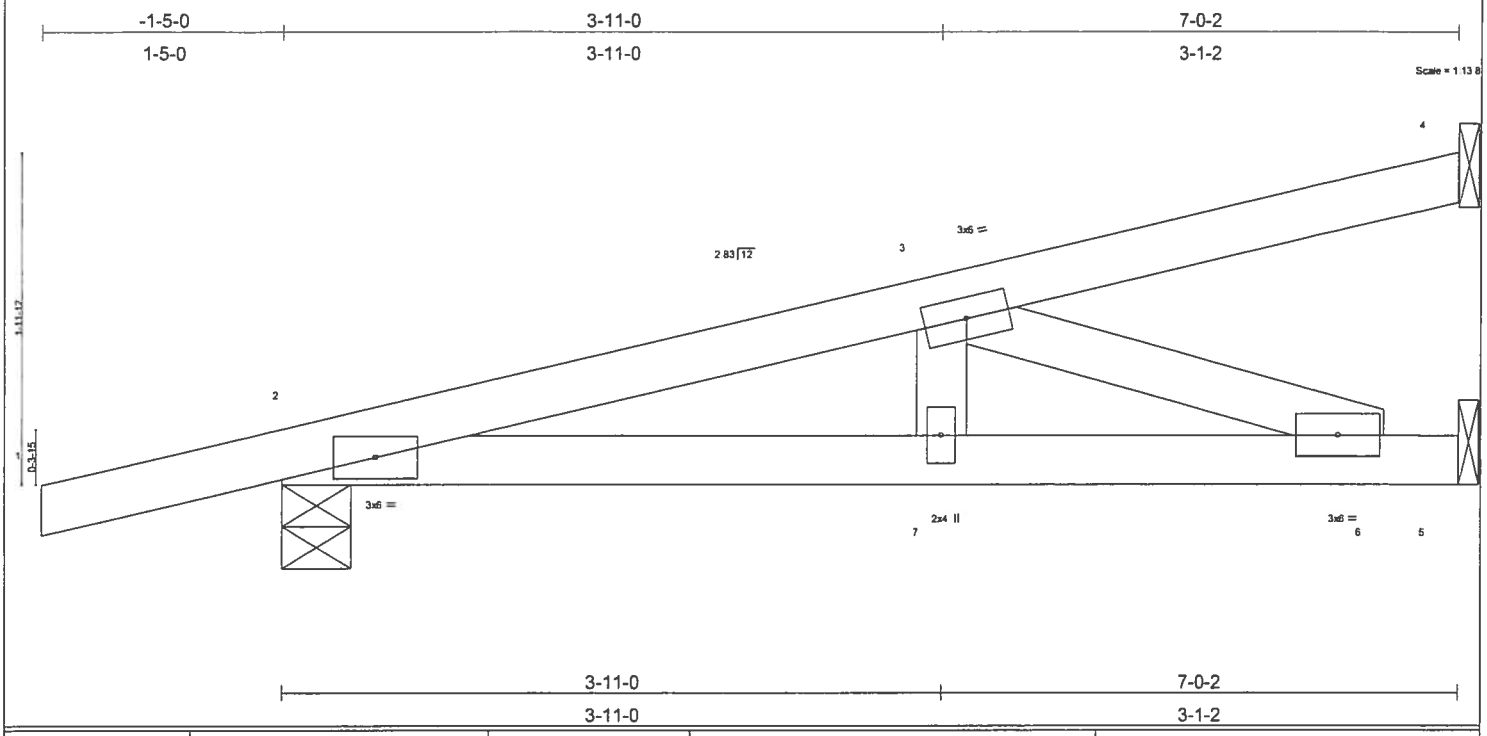
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052197

Job	Truss	Truss Type	Qty	Ply	
L132305	HJ5	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:42 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 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=113/Mechanical, 2=270/0-4-15, 5=210/Mechanical
Max Horz 2=87(load case 2)
Max Uplift4=-84(load case 2), 2=-155(load case 2), 5=-45(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-491/111, 3-4=-27/20
BOT CHORD 2-7=-165/466, 6-7=-165/466, 5-6=0/0
WEBS 3-7=0/113, 3-6=-495/175

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 4, 155 lb uplift at joint 2 and 45 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-4=-95(F=-20, B=-20), 2=-0(F=15, B=15)-to-5=-53(F=-11, B=-11)

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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

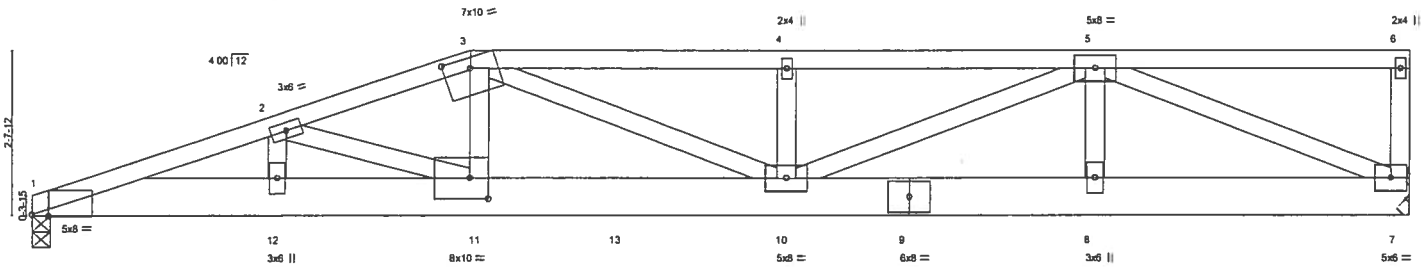
Dwg.#1227052198

Job	Truss	Truss Type	Qty	Ply	
L132305	T01	MONO HIP	1	3	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:43 2005 Page 1

3-10-10	6-11-8	12-0-7	16-11-9	22-0-8
3-10-10	3-0-14	5-0-15	4-11-3	5-0-15

Scale = 1:37.2



3-10-10	6-11-8	9-4-0	12-0-7	16-11-9	22-0-8
3-10-10	3-0-14	2-4-8	2-8-7	4-11-3	5-0-15

Plate Offsets (X,Y): [1:0-3-4,Edge], [3:0-5-0,0-2-0], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.16	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.26	10-11	>994	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 419 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
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.

REACTIONS (lb/size) 1=4976/0-3-8, 7=2141/Mechanical
Max Horz 1=101(load case 2)
Max Uplift1=-1873(load case 2), 7=-813(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-11282/4239, 2-3=-9782/3702, 3-4=-7574/2881, 4-5=-7574/2881, 5-6=-150/69, 6-7=-144/94
BOT CHORD 1-12=-4112/10735, 11-12=-4112/10735, 11-13=-3627/9517, 10-13=-3627/9517, 9-10=-1644/4326, 8-9=-1644/4326, 7-8=-1644/4326
WEBS 2-12=-236/712, 2-11=-1552/652, 3-11=-1310/3637, 3-10=-2117/884, 4-10=-243/181, 5-10=-1355/3557, 5-8=0/147, 5-7=-4572/1724

NOTES
1) 3-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1873 lb uplift at joint 1 and 813 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 521 lb down and 197 lb up at 9-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 1-13=-549(F=-519), 7-13=-30
Concentrated Loads (lb)
Vert: 13=-521(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052199

Job	Truss	Truss Type	Qty	Ply	
L132305	T02	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:44 2005 Page 1

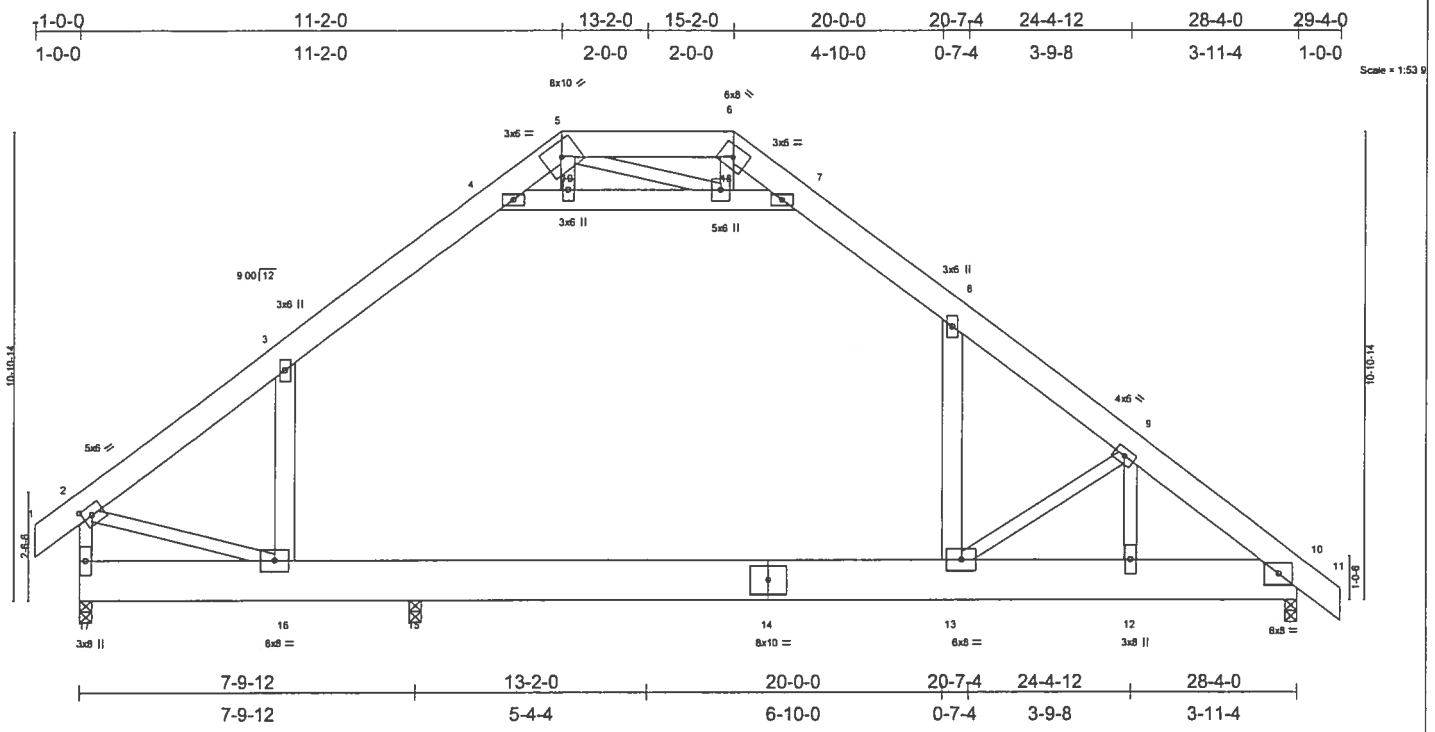

Plate Offsets (X,Y): [2:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.29	13-15	>848	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.46	13-15	>526	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 317 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.

REACTIONS (lb/size) 17=1103/0-3-8, 10=1543/0-3-8, 15=1361/0-3-8
Max Horz 17=-342(load case 3)
Max Uplift17=-179(load case 6), 10=-272(load case 6), 15=-25(load case 5)
Max Grav 17=1103(load case 1), 10=1543(load case 1), 15=1384(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-1389/224, 3-4=-1216/337, 4-5=0/301, 6-7=0/259, 7-8=-1034/338, 8-9=-1611/223, 9-10=-2140/306, 10-11=0/27, 2-17=-1382/214, 5-6=0/306
BOT CHORD 16-17=-313/347, 15-16=-19/1027, 14-15=-19/1027, 13-14=-19/1027, 12-13=-129/1669, 10-12=-128/1666
WEBS 2-16=-167/1065, 8-13=0/682, 3-16=-215/297, 4-19=-1490/353, 18-19=-1476/353, 7-18=-1259/334, 6-18=-119/83, 5-19=-1/135, 5-18=-132/336, 9-12=-89/343, 9-13=-849/331

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-19, 18-19, 7-18; Wall dead load (5.0psf) on member(s).8-13, 3-16
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-16, 13-15
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 17, 272 lb uplift at joint 10 and 25 lb uplift at joint 15.

LOAD CASE(S) Standard

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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052200

Job	Truss	Truss Type	Qty	Ply	
L132305	T02G	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:45 2005 Page 1

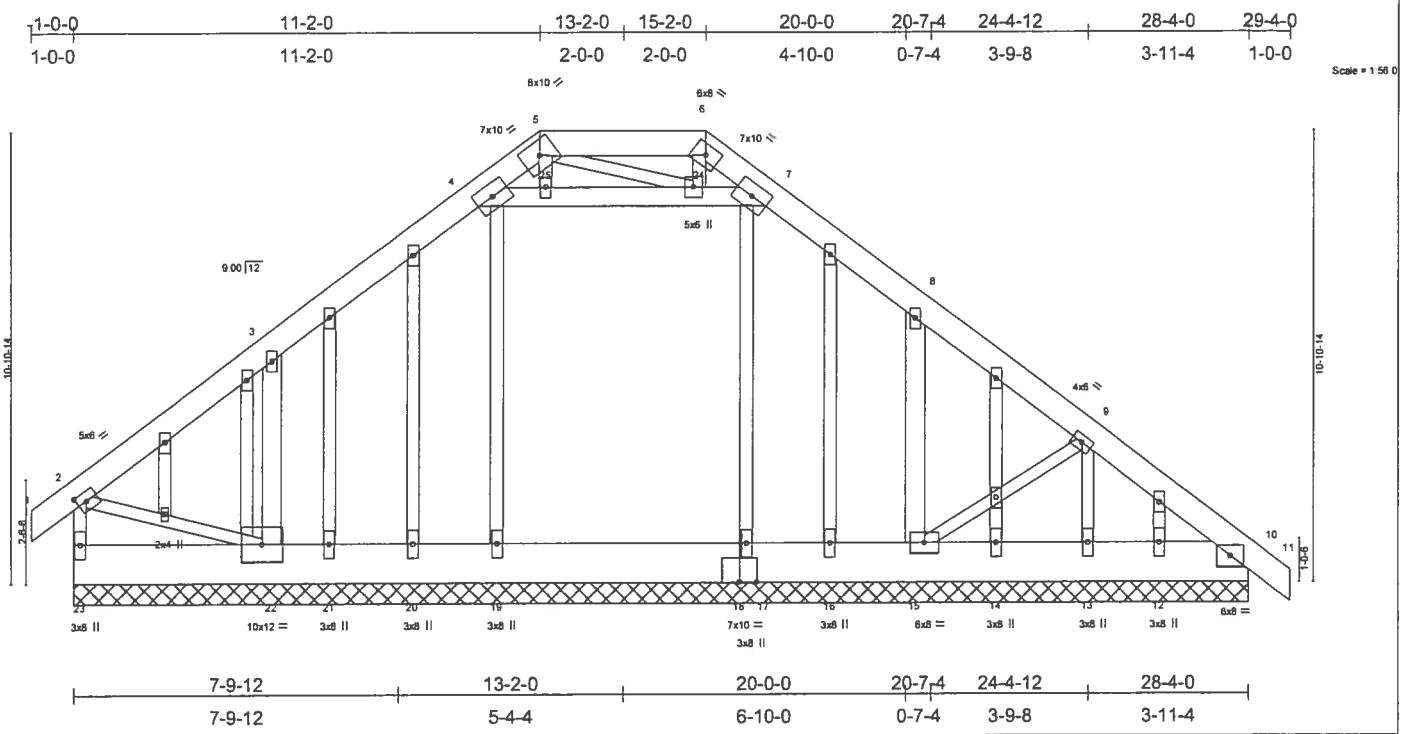


Plate Offsets (X,Y): [2:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.00	10	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 387 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D
OTHERS 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.

REACTIONS (lb/size) 23=806/28-4-0, 22=430/28-4-0, 15=398/28-4-0, 10=533/28-4-0, 13=367/28-4-0, 19=161/28-4-0, 20=15/28-4-0, 21=24/28-4-0, 17=162/28-4-0, 16=9/28-4-0, 14=64/28-4-0, 12=109/28-4-0
Max Horz 23=-342(load case 3)
Max Uplift23=-198(load case 3), 22=-340(load case 5), 15=-279(load case 6), 10=-147(load case 4), 13=-116(load case 5), 21=-4(load case 3), 12=-28(load case 3)
Max Grav 23=806(load case 1), 22=480(load case 10), 15=478(load case 11), 10=533(load case 1), 13=367(load case 1), 19=161(load case 1), 20=16(load case 9), 21=24(load case 1), 17=162(load case 9), 16=9(load case 11), 14=64(load case 11), 12=113(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-693/223, 3-4=-775/326, 4-5=-442/189, 6-7=-418/209, 7-8=-726/333, 8-9=-697/292, 9-10=-634/222, 10-11=0/31, 2-23=-737/205, 5-6=-349/230
BOT CHORD 22-23=-300/332, 21-22=-230/502, 20-21=-230/502, 19-20=-230/502, 18-19=-230/502, 17-18=-230/502, 16-17=-230/502, 15-16=-230/502, 14-15=-169/429, 13-14=-169/429, 12-13=-170/432, 10-12=-170/432
WEBS 2-22=-157/508, 8-15=-444/216, 3-22=-512/319, 4-25=-138/188, 24-25=-134/189, 7-24=-205/251, 6-24=-33/81, 5-25=0/43, 5-24=-125/126, 9-13=-322/157, 9-15=-76/131

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) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-25, 24-25, 7-24; Wall dead load (5.0psf) on member(s).8-15, 3-22
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 23, 340 lb uplift at joint 22, 279 lb uplift at joint 15, 147 lb uplift at joint 10, 116 lb uplift at joint 13, 4 lb uplift at joint 21 and 28 lb uplift at joint 12.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

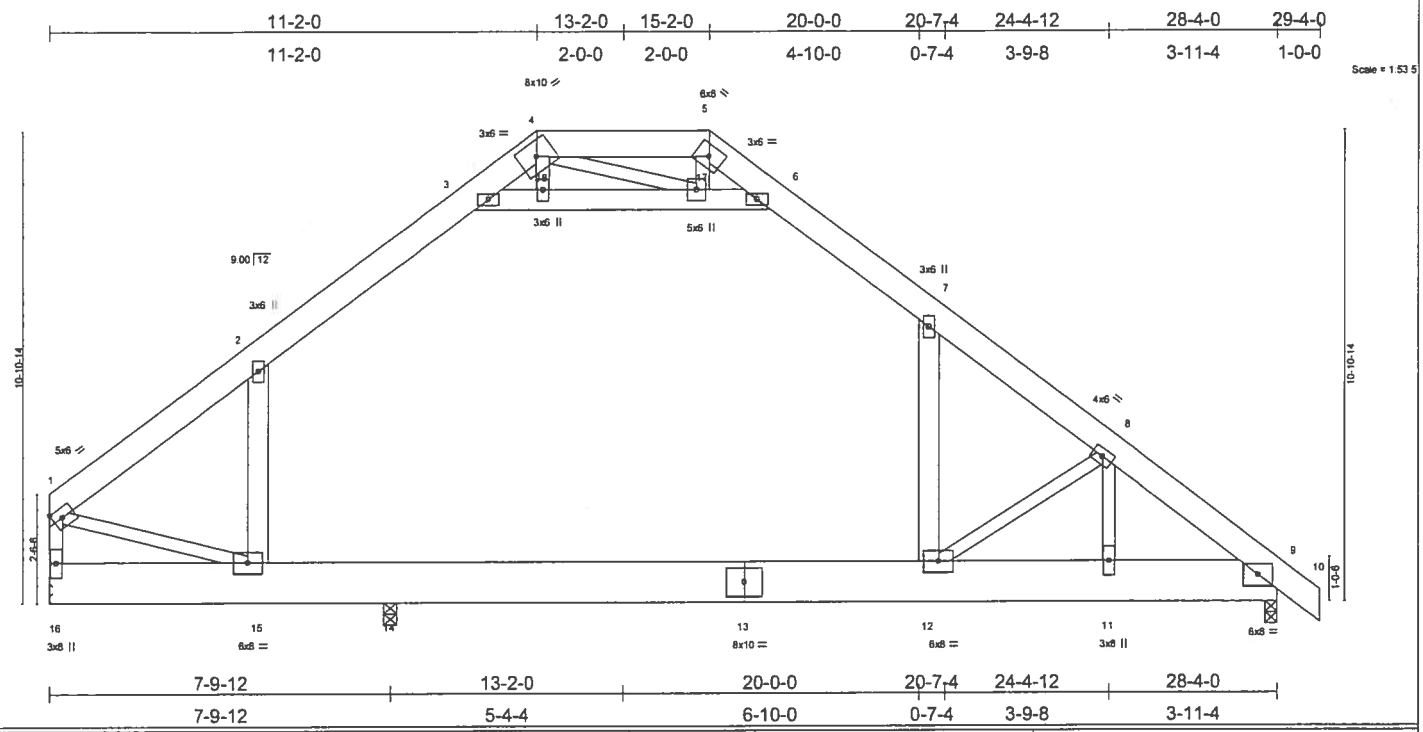
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-64(F=-10), 2-3=-64(F=-10), 3-4=-76(F=-10), 4-5=-64(F=-10), 6-7=-64(F=-10), 7-8=-76(F=-10), 8-11=-64(F=-10), 10-23=-30, 4-7=-10, 5-6=-64(F=-10)
Drag: 8-15=-10, 3-22=-10

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052201

Job	Truss	Truss Type	Qty	Ply	
L132305	T03	ROOF TRUSS	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:46 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.29	12-14	>848	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.46	12-14	>526	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 314 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.

REACTIONS (lb/size) 16=1037/Mechanical, 9=1542/0-3-8, 14=1367/0-3-8
Max Horz 16=-357(load case 3)
Max Uplift16=-162(load case 6), 9=-272(load case 6), 14=-24(load case 5)
Max Grav 16=1037(load case 1), 9=1542(load case 1), 14=1390(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1385/222, 2-3=-1216/336, 3-4=0/301, 5-6=0/259, 6-7=-1034/336, 7-8=-1611/221, 8-9=-2139/305, 9-10=0/27, 1-16=-1313/174, 4-5=0/306
BOT CHORD 15-16=-298/359, 14-15=-18/1027, 13-14=-18/1027, 12-13=-18/1027, 11-12=-128/1669, 9-11=-127/1665
WEBS 1-15=-179/1057, 7-12=0/682, 2-15=-213/301, 3-18=-1491/352, 17-18=-1476/352, 6-17=-1259/330, 5-17=-119/83, 4-18=-1/135, 4-17=-132/336, 8-11=-90/343, 8-12=-849/332

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-18, 17-18, 6-17; Wall dead load (5.0psf) on member(s).7-12, 2-15
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 12-14
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 16, 272 lb uplift at joint 9 and 24 lb uplift at joint 14.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052202

Job	Truss	Truss Type	Qty	Ply	
L132305	T04	COMMON	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:47 2005 Page 1

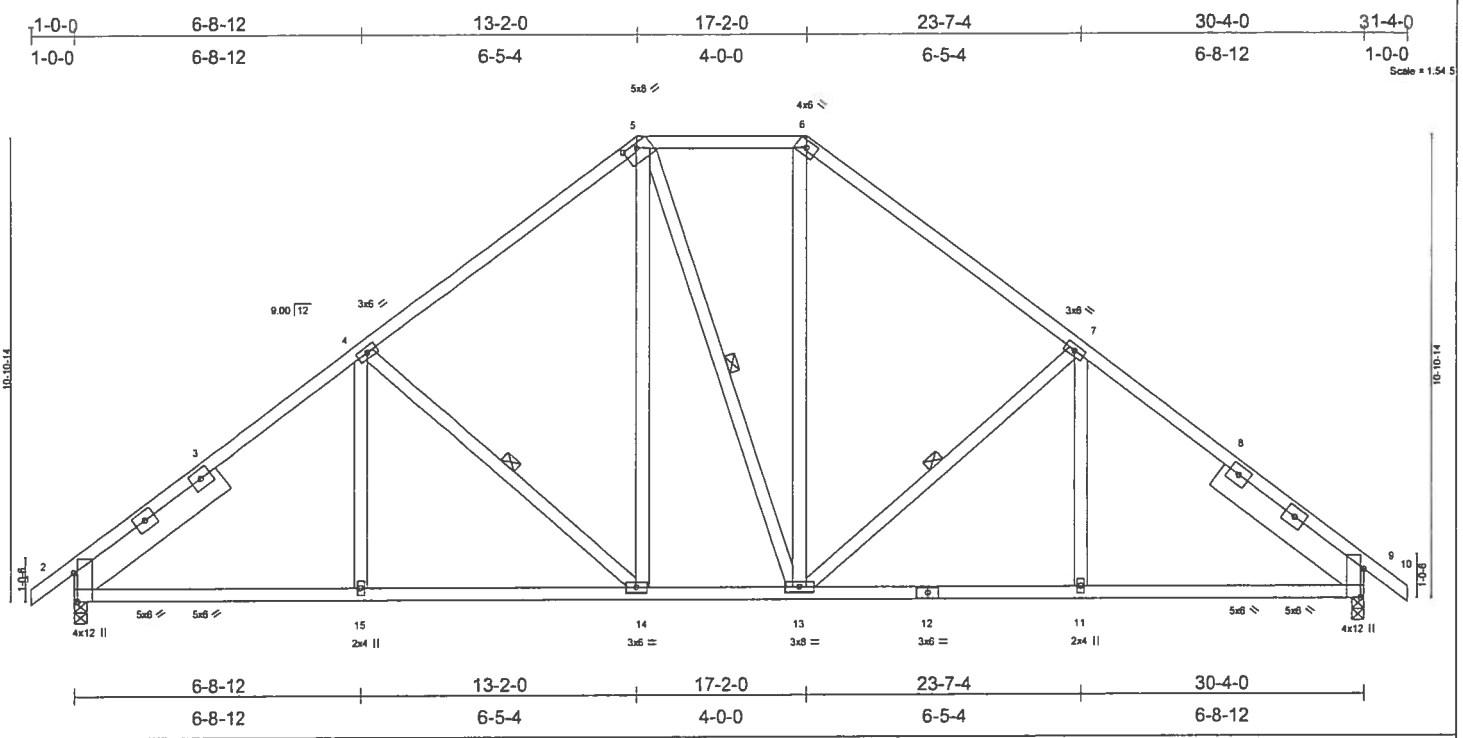


Plate Offsets (X,Y): [2:0-8-0,Edge], [5:0-4-0,0-1-6], [9:0-8-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.16	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 219 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 8 SYP No.1D 4-4-1, Right 2 X 8 SYP No.1D 4-4-1

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13, 7-13

REACTIONS (lb/size) 2=1328/0-3-8, 9=1328/0-3-8
Max Horz 2=368(load case 4)
Max Uplift2=-444(load case 5), 9=-444(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/3, 2-3=-1660/569, 3-4=-1549/594, 4-5=-1240/588, 5-6=-917/559, 6-7=-1240/588, 7-8=-1548/594, 8-9=-1659/568, 9-10=0/3
BOT CHORD 2-15=-392/1192, 14-15=-392/1192, 13-14=-242/916, 12-13=-311/1191, 11-12=-311/1191, 9-11=-311/1191
WEBS 4-15=0/201, 4-14=-387/326, 5-14=-181/400, 5-13=-205/205, 6-13=-175/401, 7-13=-385/326, 7-11=0/199

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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2 and 444 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052203

Job	Truss	Truss Type	Qty	Ply	
L132305	T04G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industnes, Inc. Wed Dec 21 13:11:48 2005 Page 1

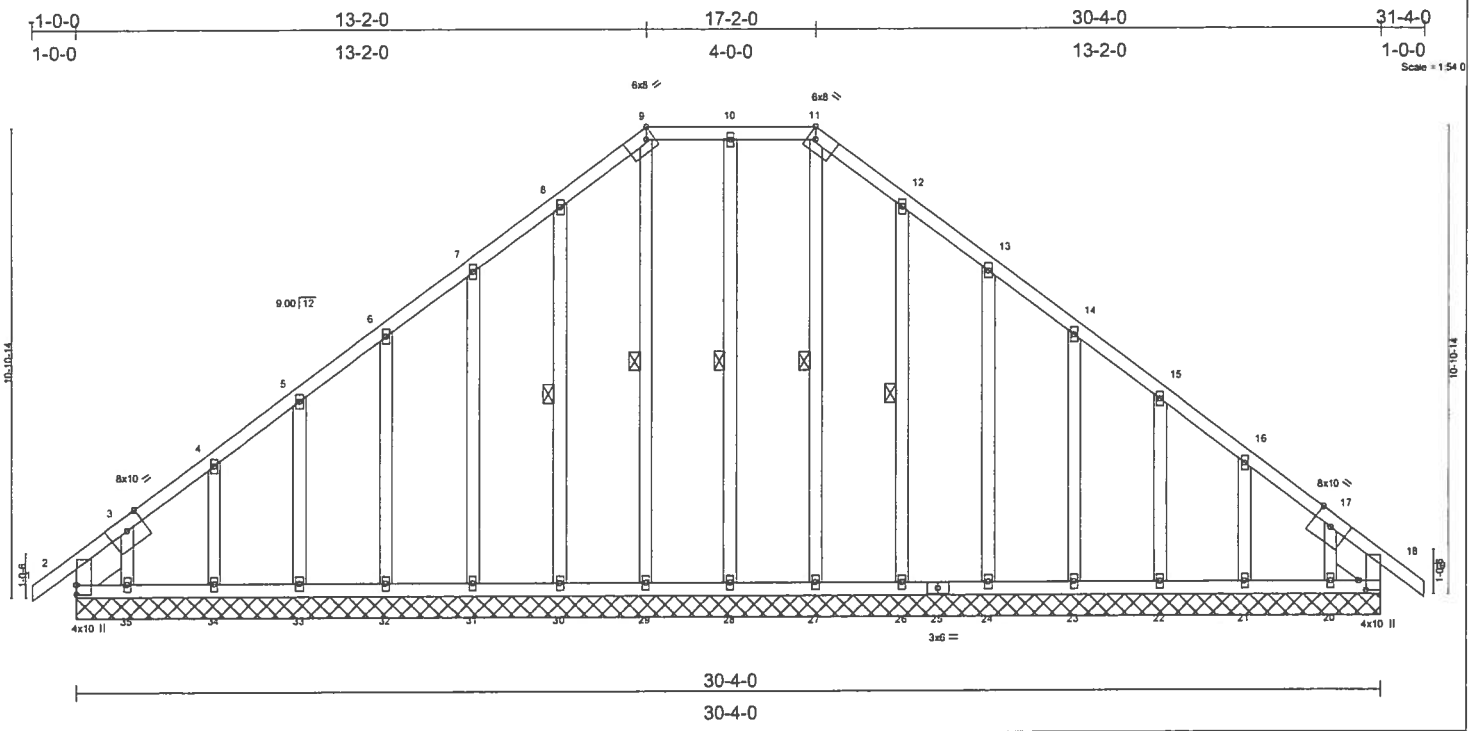


Plate Offsets (X,Y): [2:0-2-12,0-0-1], [9:0-2-2,Edge], [11:Edge,0-2-13], [18:0-2-12,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	19	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	19	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	18	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 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
SLIDER Left 2 X 8 SYP No.1D 1-6-0, Right 2 X 8 SYP No.1D 1-6-0

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 1 Row at midpt 10-28, 9-29, 8-30, 11-27, 12-26

REACTIONS (lb/size) 2=134/30-4-0, 18=134/30-4-0, 28=166/30-4-0, 29=153/30-4-0, 30=167/30-4-0, 31=168/30-4-0, 32=168/30-4-0, 33=168/30-4-0, 34=170/30-4-0, 35=116/30-4-0, 27=153/30-4-0, 26=167/30-4-0, 24=168/30-4-0, 23=168/30-4-0, 22=168/30-4-0, 21=170/30-4-0, 20=116/30-4-0
Max Horz 2=-368(load case 3)
Max Uplift2=-260(load case 3), 18=-106(load case 4), 28=-82(load case 4), 29=-51(load case 4), 30=-107(load case 5), 31=-120(load case 5), 32=-115(load case 5), 33=-115(load case 5), 34=-117(load case 5), 35=-230(load case 5), 26=-105(load case 6), 24=-121(load case 6), 23=-114(load case 6), 22=-115(load case 6), 21=-117(load case 6), 20=-202(load case 6)
Max Grav 2=340(load case 4), 18=186(load case 3), 28=170(load case 10), 29=156(load case 9), 30=167(load case 9), 31=168(load case 1), 32=168(load case 9), 33=168(load case 1), 34=170(load case 9), 35=154(load case 3), 27=156(load case 10), 26=167(load case 10), 24=168(load case 1), 23=168(load case 10), 22=168(load case 1), 21=170(load case 10), 20=119(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/3, 2-3=-449/319, 3-4=-282/232, 4-5=-222/224, 5-6=-165/217, 6-7=-107/209, 7-8=-60/257, 8-9=-59/310, 9-10=-22/280, 10-11=-22/280, 11-12=-59/308, 12-13=-60/233, 13-14=-59/148, 14-15=-60/75, 15-16=-79/81, 16-17=-143/89, 17-18=-296/129, 18-19=0/3
BOT CHORD 2-35=-75/220, 34-35=-75/220, 33-34=-75/220, 32-33=-75/220, 31-32=-75/220, 30-31=-75/220, 29-30=-75/220, 28-29=-75/220, 27-28=-75/220, 26-27=-75/220, 25-26=-75/220, 24-25=-75/220, 23-24=-75/220, 22-23=-75/220, 21-22=-75/220, 20-21=-75/220, 18-20=-75/220
WEBS 10-28=-110/94, 9-29=-110/63, 8-30=-107/119, 7-31=-108/132, 6-32=-108/127, 5-33=-108/126, 4-34=-108/131, 3-35=-135/231, 11-27=-96/8, 12-26=-107/117, 13-24=-108/133, 14-23=-108/126, 15-22=-108/127, 16-21=-108/130, 17-20=-71/205

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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2, 106 lb uplift at joint 18, 82 lb uplift at joint 28, 51 lb uplift at joint 29, 107 lb uplift at joint 30, 120 lb uplift at joint 31, 115 lb uplift at joint 32, 115 lb uplift at joint 33, 117 lb uplift at joint 34, 230 lb uplift at joint 35, 105 lb uplift at joint 26, 121 lb uplift at joint 24, 114 lb uplift at joint 23, 115 lb uplift at joint 22, 117 lb uplift at joint 21 and 202 lb uplift at joint 20.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052204

Job	Truss	Truss Type	Qty	Ply	
L132305	T05	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:50 2005 Page 1

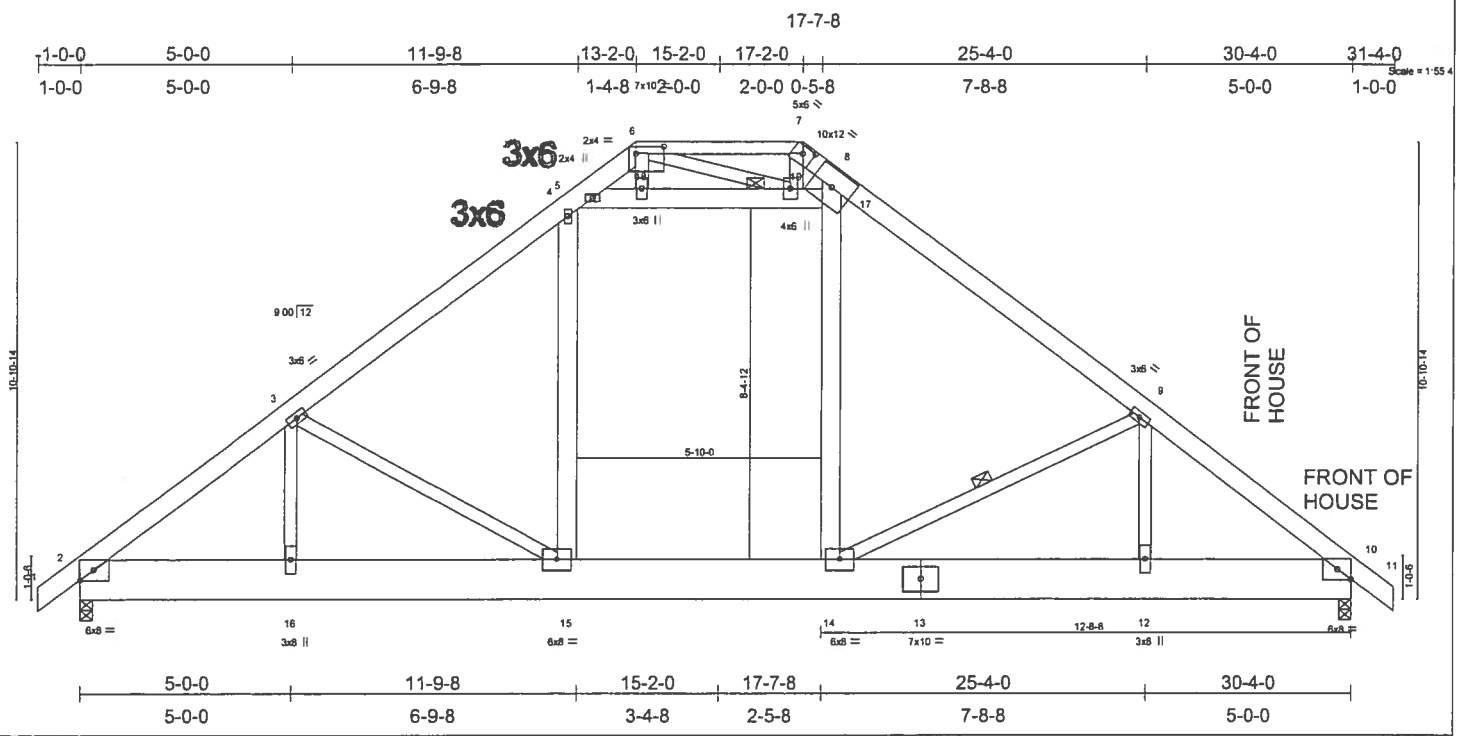


Plate Offsets (X,Y): [6:0-8-0,0-2-0], [7:0-3-0,0-2-2]

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)	-0.06	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.11	15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.03	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 329 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T2 2 X 4 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except* W7 2 X 6 SYP No.1D, W3 2 X 6 SYP No.1D, W4 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-14
JOINTS 1 Brace at Jt(s): 19

REACTIONS (lb/size) 2=1708/0-3-8, 10=1686/0-3-8
Max Horz 2=357(load case 4)
Max Uplift2=-298(load case 5), 10=-307(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-2310/373, 3-4=-1989/339, 4-5=-1377/357, 5-6=-359/133, 7-8=-915/272, 8-9=-1957/343, 9-10=-2249/387, 10-11=0/24, 6-7=-839/182
BOT CHORD 2-16=-265/1729, 15-16=-265/1729, 14-15=-17/1495, 13-14=-188/1704, 12-13=-188/1704, 10-12=-188/1704
WEBS 3-16=-76/178, 9-12=-70/126, 14-17=-88/838, 8-17=-31/585, 4-15=-95/618, 5-18=-1323/430, 18-19=-1329/439, 17-19=-693/251, 6-18=-46/70, 7-19=-132/287, 6-19=-216/701, 3-15=-361/339, 9-14=-365/371

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) Provide adequate drainage to prevent water ponding.
4) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-18, 18-19, 17-19; Wall dead load (5.0psf) on member(s).14-17, 4-15
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2 and 307 lb uplift at joint 10.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

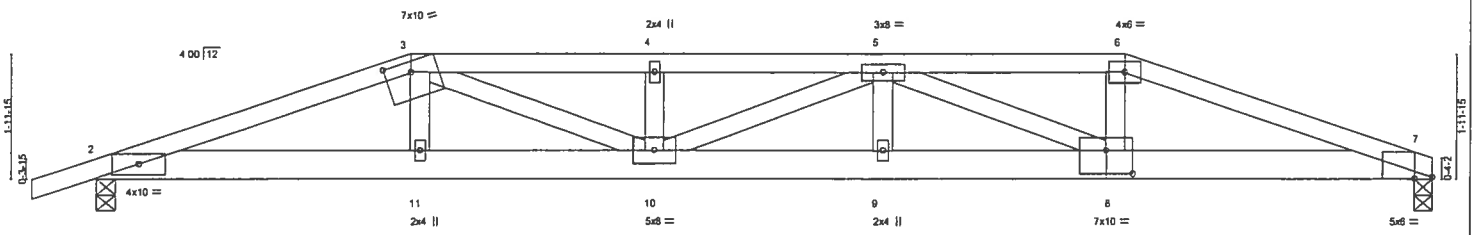
Dwg.#1227052205

Job	Truss	Truss Type	Qty	Ply	
L132305	T07	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:51 2005 Page 1

-1-0-0	5-0-0	8-9-15	12-6-1	16-4-0	21-3-8
1-0-0	5-0-0	3-9-15	3-8-3	3-9-15	4-11-8

Scale = 1:37.0



5-0-0	8-9-15	12-6-1	16-4-0	21-3-8
5-0-0	3-9-15	3-8-3	3-9-15	4-11-8

Plate Offsets (X,Y): [3:0-5-0,0-2-0], [7:0-3-6,0-0-3], [8:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.31	9-10	>801	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.50	9-10	>501	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 108 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 2-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.

REACTIONS (lb/size) 7=1444/0-3-8, 2=1508/0-3-8
Max Horz 2=49(load case 2)
Max Uplift7=-573(load case 3), 2=-639(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-3954/1561, 3-4=-4868/1954, 4-5=-4868/1954, 5-6=-3740/1529, 6-7=-3898/1553
BOT CHORD 2-11=-1461/3713, 10-11=-1468/3753, 9-10=-1939/4982, 8-9=-1939/4982, 7-8=-1429/3657
WEBS 3-11=-82/444, 3-10=-526/1304, 4-10=-333/245, 5-10=-165/74, 5-9=0/249, 5-8=-1448/587, 6-8=-289/946

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 573 lb uplift at joint 7 and 639 lb uplift at joint 2.
5) Girder carries hip end with 4-11-8 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 243 lb down and 107 lb up at 16-4-0, and 245 lb down and 107 lb up at 5-0-0 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).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-91(F=-37), 6-7=-54, 2-11=-30, 8-11=-50(F=-20), 7-8=-30
Concentrated Loads (lb)
Vert: 8=-243(F) 11=-245(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052206

Job	Truss	Truss Type	Qty	Ply	
L132305	T08	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:52 2005 Page 1

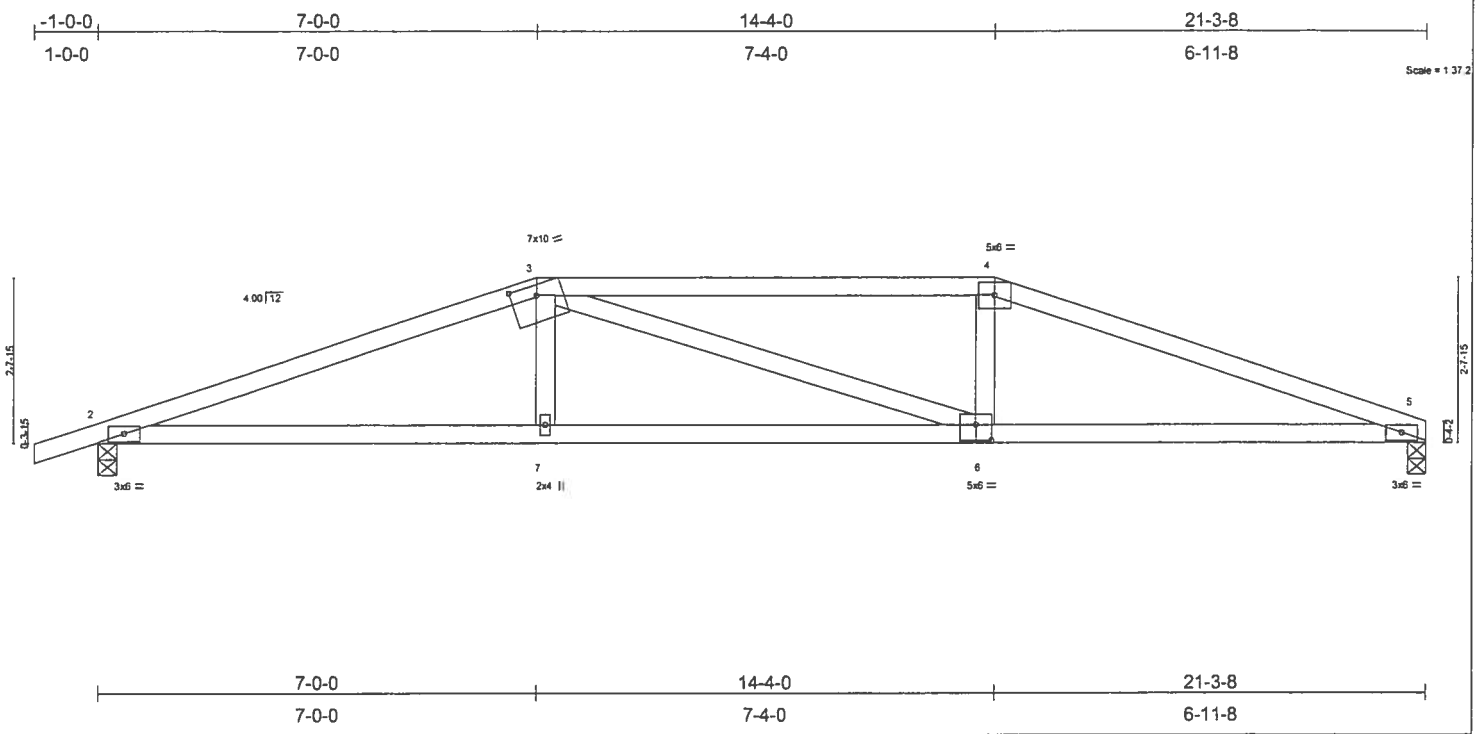


Plate Offsets (X,Y): [3:0-5-0,0-2-0], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.15	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.25	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.06	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 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 4-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing.

REACTIONS (lb/size) 5=880/0-3-8, 2=946/0-3-8
Max Horz 2=54(load case 3)
Max Uplift5=-314(load case 4), 2=-381(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-2019/814, 3-4=-1877/832, 4-5=-2011/824
BOT CHORD 2-7=-703/1860, 6-7=-700/1874, 5-6=-713/1863
WEBS 3-7=0/236, 3-6=-200/201, 4-6=0/278

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) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 5 and 381 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052207

Job	Truss	Truss Type	Qty	Ply	
L132305	T09	MONO HIP	1	1	Job Reference (optional)

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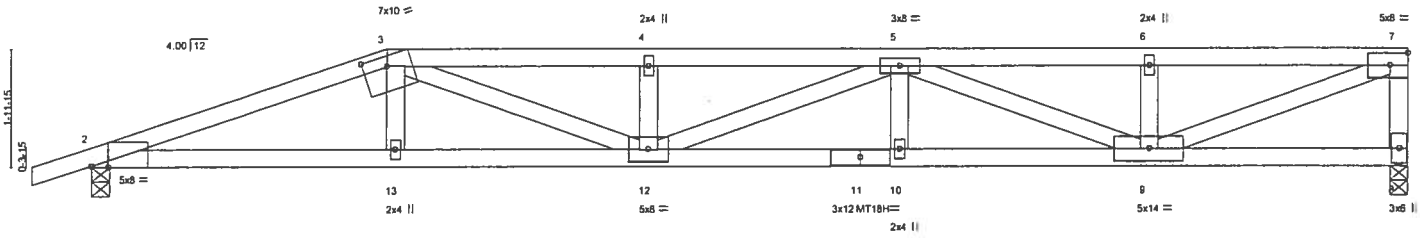
-1-0-0	5-0-0	9-4-14	13-8-0	17-11-2	22-4-0
1-0-0	5-0-0	4-4-14	4-3-2	4-3-2	4-4-14

Scale = 1:39.3



5-0-0	9-4-14	13-8-0	17-11-2	22-4-0
5-0-0	4-4-14	4-3-2	4-3-2	4-4-14

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.39	10-12	>670	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.63	10-12	>418	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 104 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.

REACTIONS (lb/size) 8=1575/0-3-8, 2=1557/0-3-8
Max Horz 2=98(load case 2)
Max Uplift8=-637(load case 2), 2=-663(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-4002/1595, 3-4=-5125/2086, 4-5=-5125/2086, 5-6=-3250/1314, 6-7=-3250/1314, 7-8=-1440/640
BOT CHORD 2-13=-1539/3741, 12-13=-1546/3778, 11-12=-2009/4954, 10-11=-2009/4954, 9-10=-2009/4954, 8-9=-72/176
WEBS 3-13=-73/440, 3-12=-614/1443, 4-12=-382/294, 5-12=-89/184, 5-10=0/223, 5-9=-1835/748, 6-9=-366/284, 7-9=-1337/3310

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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 637 lb uplift at joint 8 and 663 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 107 lb up at 5-0-0 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).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-7=-91(F=-37), 2-13=-30, 8-13=-50(F=-20)
Concentrated Loads (lb)
Vert: 13=-245(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052208

Job	Truss	Truss Type	Qty	Ply	
L132305	T10	MONO TRUSS	6	1	Job Reference (optional)

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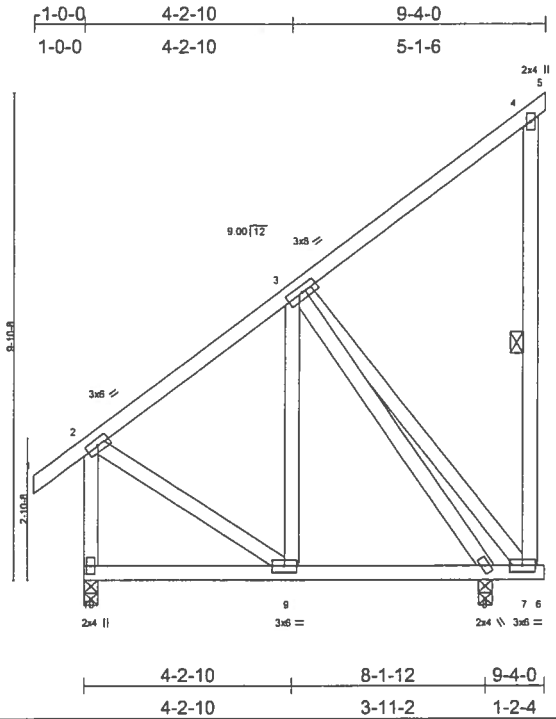

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.01	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.
WEBS 1 Row at midpt 4-7

REACTIONS (lb/size) 10=402/0-3-8, 8=420/0-3-8
Max Horz 10=372(load case 5)
Max Uplift8=-411(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-10=-341/0, 1-2=0/37, 2-3=-232/0, 3-4=-109/62, 4-5=-2/0, 4-7=-114/145
BOT CHORD 9-10=-374/24, 8-9=-186/139, 7-8=-49/79, 6-7=0/0
WEBS 2-9=0/227, 3-9=-80/36, 3-8=-328/451, 3-7=-130/83

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052209

Job	Truss	Truss Type	Qty	Ply	
L132305	T10G	MONO TRUSS	2	1	Job Reference (optional)

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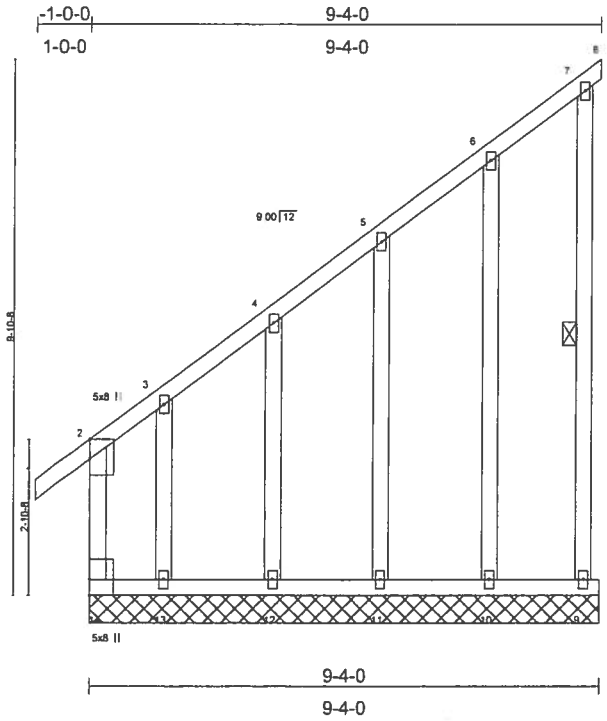

Plate Offsets (X,Y): [2:0-4-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.01	1	n/r	90		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	-0.23	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 84 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2 *Except*
W2 2 X 4 SYP No.3
OTHERS 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:
8-3-12 oc bracing: 13-14.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 8=14/9-4-0, 9=59/9-4-0, 14=129/9-4-0, 10=169/9-4-0, 11=167/9-4-0, 12=176/9-4-0, 13=110/9-4-0
Max Horz 14=373(load case 5)
Max Uplift8=-93(load case 5), 9=-22(load case 5), 14=-64(load case 3), 10=-30(load case 5), 11=-161(load case 5), 13=-1090(load case 5)
Max Grav 8=14(load case 1), 9=59(load case 1), 14=1033(load case 5), 10=169(load case 1), 11=167(load case 1), 12=176(load case 1), 13=110(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-620/49, 3-4=-282/35, 4-5=-216/31, 5-6=-119/31, 6-7=-48/16, 7-8=-60/7, 7-9=-39/0, 2-14=-542/48
BOT CHORD 13-14=-13/1, 12-13=-13/1, 11-12=-13/1, 10-11=-13/1, 9-10=-13/1
WEBS 6-10=-108/101, 5-11=-108/145, 4-12=-114/93, 3-13=-63/553

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) 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"
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 8, 22 lb uplift at joint 9, 64 lb uplift at joint 14, 30 lb uplift at joint 10, 161 lb uplift at joint 11 and 1090 lb uplift at joint 13.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052210

Job	Truss	Truss Type	Qty	Ply	
L132305	T11	SPECIAL	4	1	Job Reference (optional)

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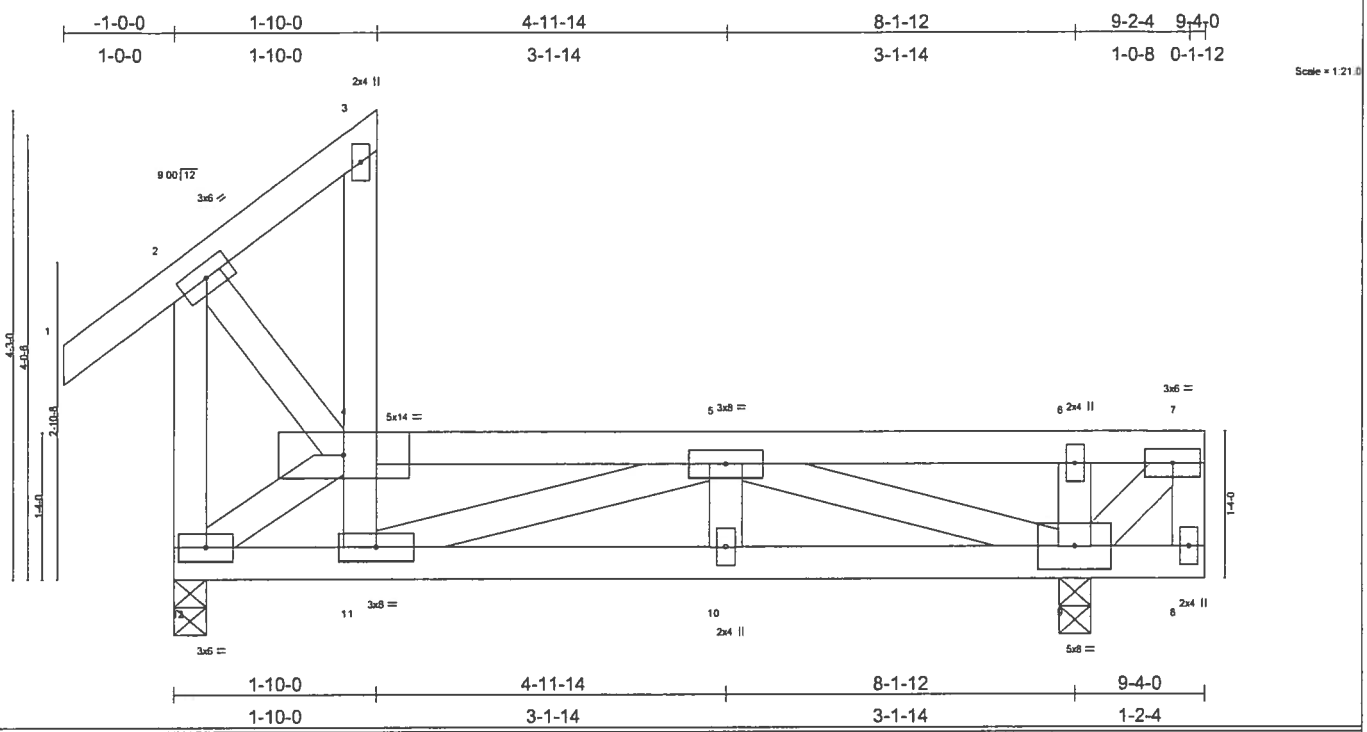

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.04	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.07	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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 5-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 9=2446/0-3-8, 12=755/0-3-8
Max Horz 12=216(load case 4)
Max Uplift9=-975(load case 5), 12=-224(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-76/24, 4-11=-12/131, 3-4=-25/44, 4-5=-1132/746, 5-6=-278/756, 6-7=-278/756, 7-8=-165/64, 2-12=-110/21
BOT CHORD 11-12=-639/876, 10-11=-659/1333, 9-10=-659/1333, 8-9=-124/47
WEBS 5-11=-219/84, 5-10=0/58, 5-9=-2179/981, 6-9=-847/368, 7-9=-902/328, 4-12=-1048/519, 2-4=-34/227

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 975 lb uplift at joint 9 and 224 lb uplift at joint 12.
5) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 954 lb down and 360 lb up at 9-2-4 on top 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).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 4-7=-244(F=-190), 8-12=-30
Concentrated Loads (lb)
Vert: 7=-954(F)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052211

Job	Truss	Truss Type	Qty	Ply	
L132305	T12	SPECIAL	8	1	Job Reference (optional)

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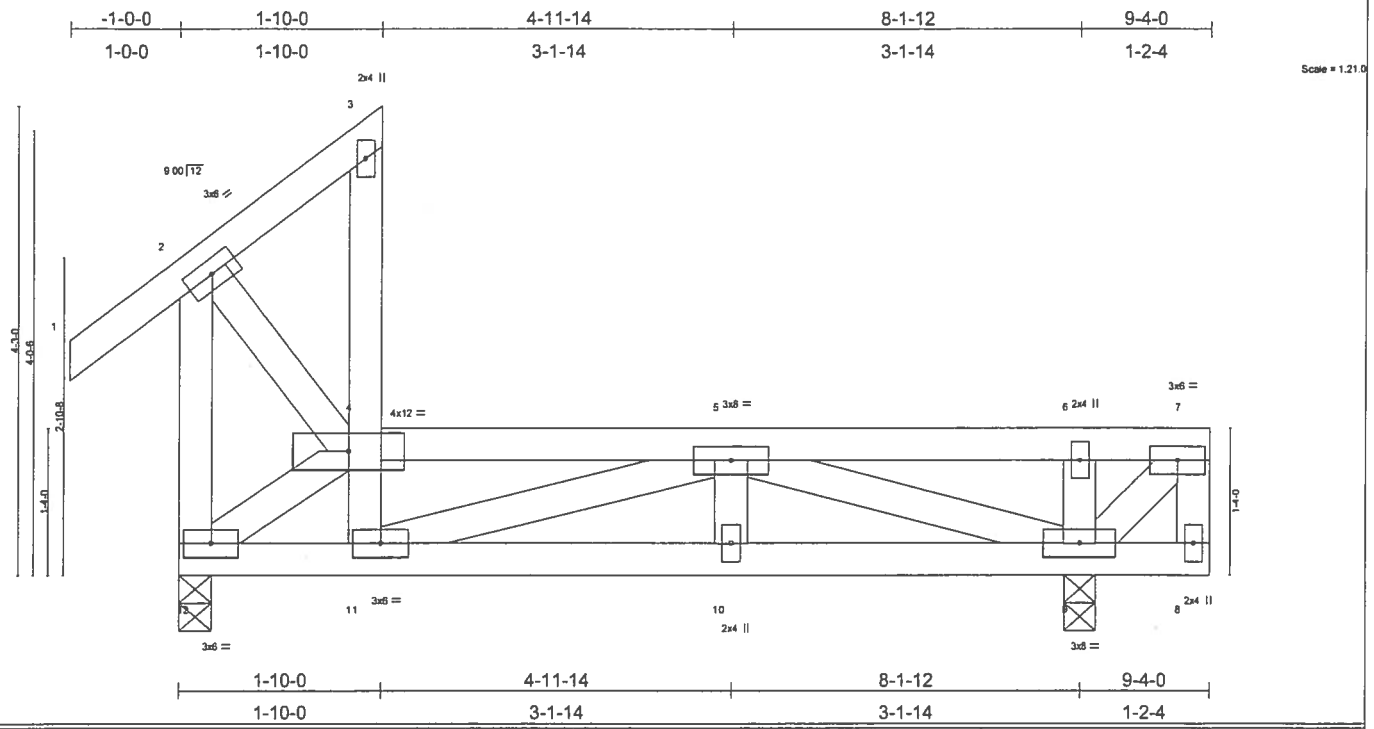

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.03	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.05	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 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.

REACTIONS (lb/size) 9=822/0-3-8, 12=600/0-3-8
Max Horz 12=216(load case 4)
Max Uplift9=-362(load case 5), 12=-165(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-74/25, 4-11=-21/176, 3-4=-25/45, 4-5=-814/627, 5-6=-85/38, 6-7=-85/38, 7-8=-52/21, 2-12=-119/23
BOT CHORD 11-12=-554/650, 10-11=-589/1148, 9-10=-589/1148, 8-9=-24/10
WEBS 5-11=-358/111, 5-10=0/61, 5-9=-1119/581, 6-9=-422/208, 7-9=-67/155, 4-12=-780/418, 2-4=-18/221

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint 9 and 165 lb uplift at joint 12.
5) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
6) 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, 2-3=-54, 4-7=-134(F=-80), 8-12=-30

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052212

Job	Truss	Truss Type	Qty	Ply	
L132305	T16	SPECIAL	1	1	Job Reference (optional)

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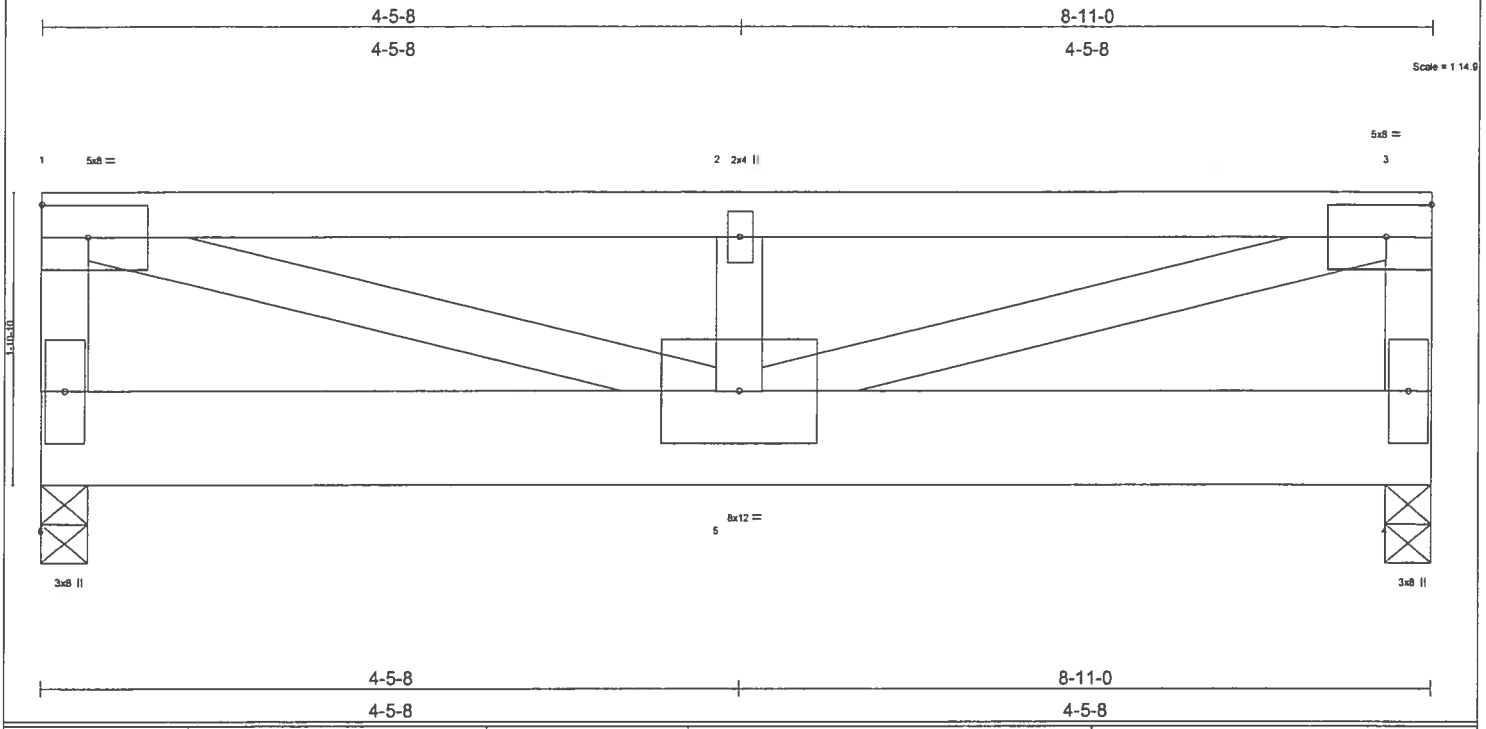

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.08	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.13	5	>820	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=1943/0-3-8, 4=1943/0-3-8
Max Uplift6=-734(load case 2), 4=-734(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-953/388, 1-2=-2754/1036, 2-3=-2754/1036, 3-4=-953/388
BOT CHORD 5-6=-175/428, 4-5=-175/428
WEBS 1-5=-907/2452, 2-5=-110/122, 3-5=-907/2452

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) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 734 lb uplift at joint 6 and 734 lb uplift at joint 4.
4) Girder carries tie-in span(s): 19-9-0 from 0-0-0 to 8-11-0
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: 1-3=-54, 4-6=-397(F=-367)

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052213

Job	Truss	Truss Type	Qty	Ply	
L132305	T17	COMMON	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:57 2005 Page 1

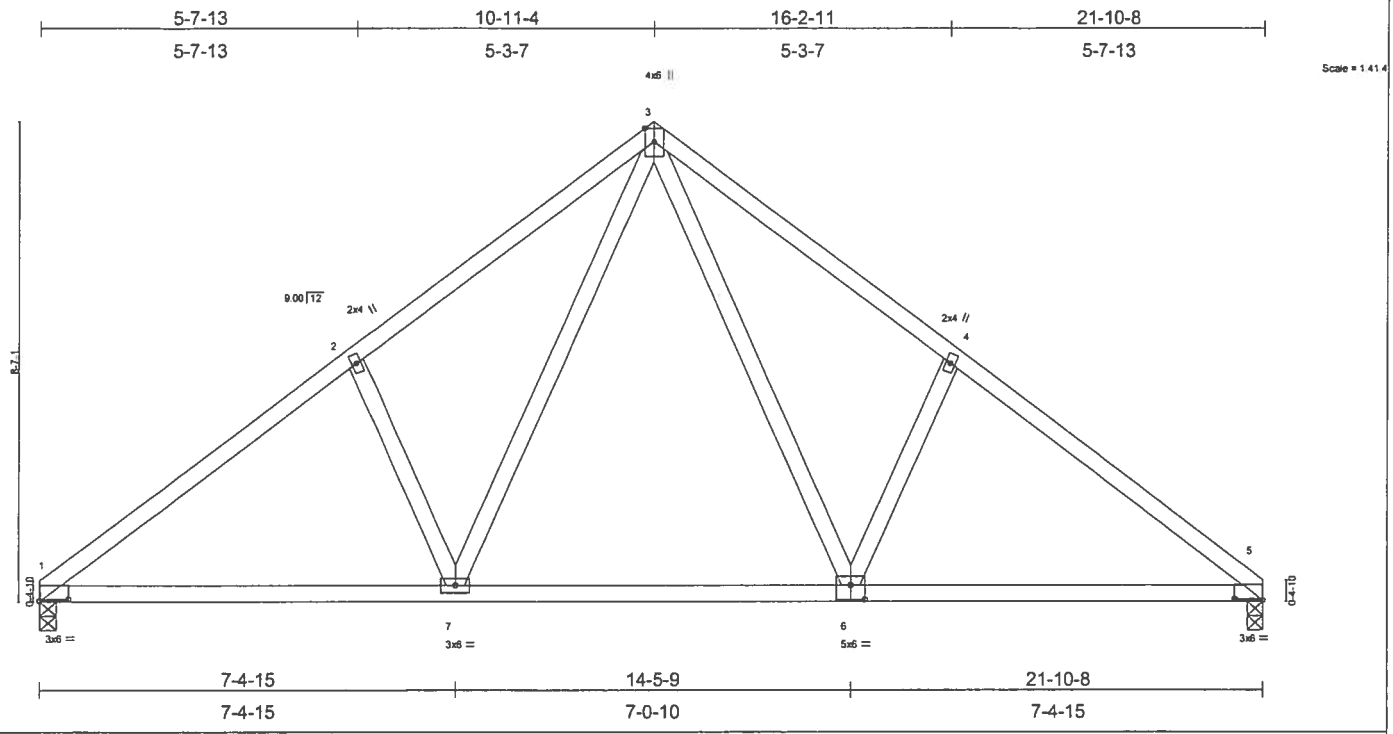

Plate Offsets (X,Y): [1:0-6-3,0-0-6], [5:0-6-3,0-0-6], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.17	1-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 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 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=906/0-3-8, 5=906/0-3-8
Max Horz 1=-287(load case 3)
Max Uplift1=-282(load case 5), 5=-282(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1192/435, 2-3=-1090/529, 3-4=-1090/529, 4-5=-1192/435
BOT CHORD 1-7=-310/897, 6-7=-88/602, 5-6=-246/897
WEBS 2-7=-263/300, 3-7=-266/519, 3-6=-266/519, 4-6=-263/300

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 1 and 282 lb uplift at joint 5.

LOAD CASE(S) Standard

DECEMBER 27, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052214

Job	Truss	Truss Type	Qty	Ply	
L132305	T17G	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:58 2005 Page 1

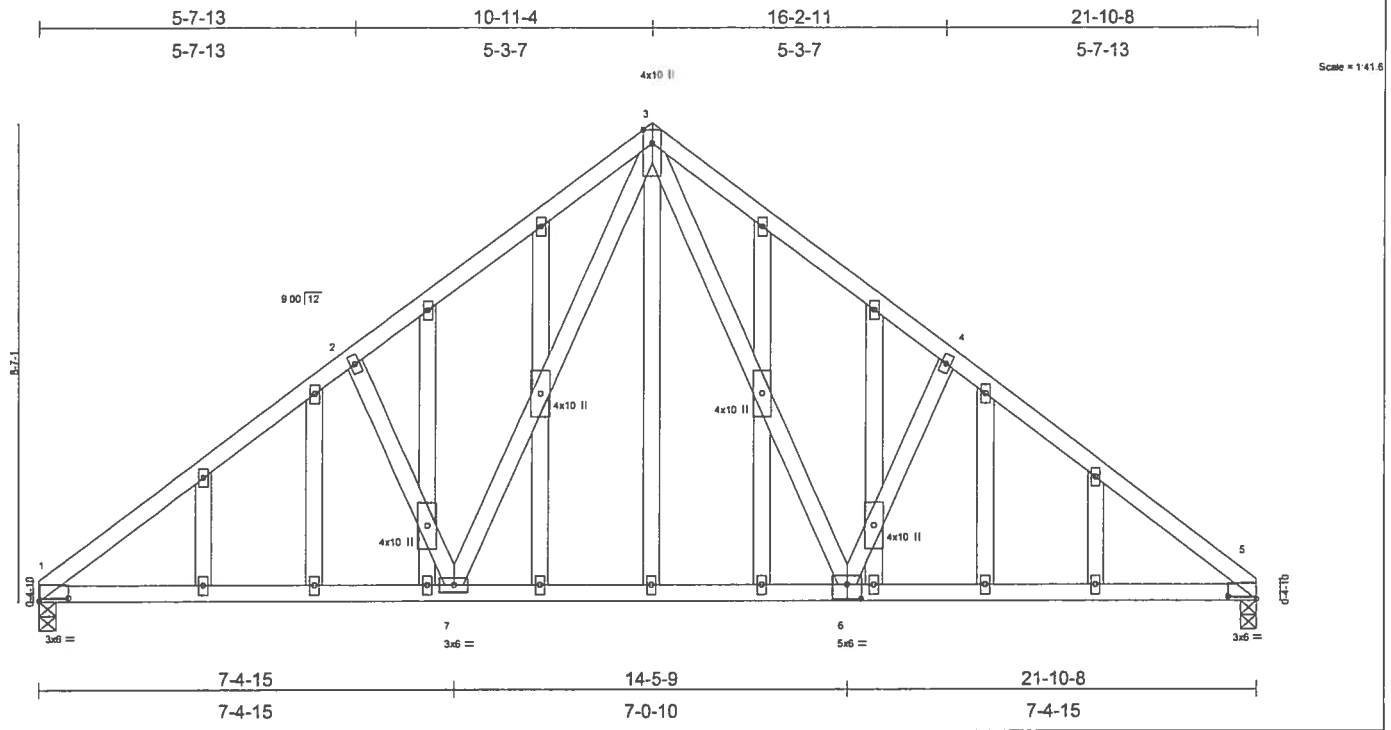

Plate Offsets (X,Y): [1:0-6-3,0-0-10], [5:0-6-3,0-0-10], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.11	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.18	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=1014/0-3-8, 5=1014/0-3-8
Max Horz 1=287(load case 4)
Max Uplift1=-323(load case 5), 5=-323(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1342/476, 2-3=-1221/563, 3-4=-1221/563, 4-5=-1342/476
BOT CHORD 1-7=-351/1006, 6-7=-115/675, 5-6=-283/1006
WEBS 2-7=-308/316, 3-7=-283/566, 3-6=-283/566, 4-6=-308/317

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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 323 lb uplift at joint 1 and 323 lb uplift at joint 5.
7) 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=-64(F=-10), 3-5=-64(F=-10), 1-5=-30

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052215

Job	Truss	Truss Type	Qty	Ply	
L132305	T18	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Dec 21 13:11:59 2005 Page 1

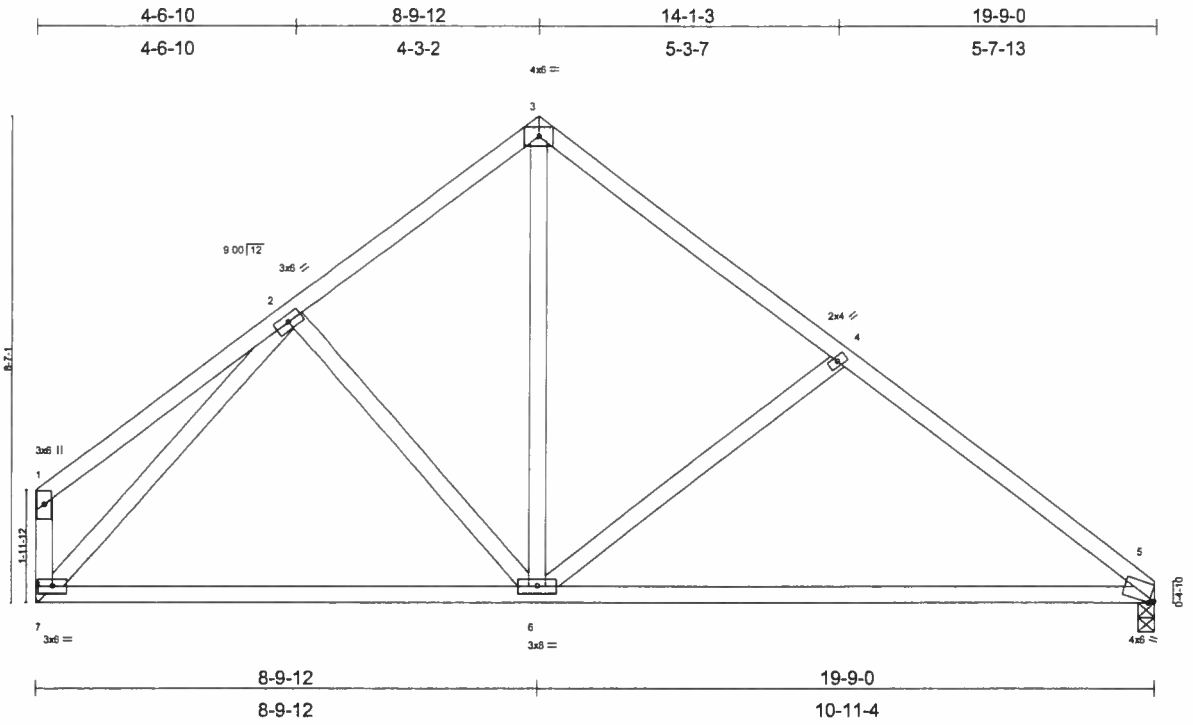

Plate Offsets (X,Y): [5:0-1-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.31	5-6	>764	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.52	5-6	>447	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 109 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 5-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=817/0-3-8, 7=817/Mechanical
Max Horz 7=-280(load case 3)
Max Uplift5=-254(load case 6), 7=-246(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-223/133, 2-3=-721/355, 3-4=-753/345, 4-5=-987/388, 1-7=-211/149
BOT CHORD 6-7=-187/549, 5-6=-209/752
WEBS 2-6=-88/195, 3-6=-234/534, 4-6=-299/303, 2-7=-655/220

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 254 lb uplift at joint 5 and 246 lb uplift at joint 7.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052216

Job	Truss	Truss Type	Qty	Ply	
L132305	T19	MONO TRUSS	11	1	Job Reference (optional)

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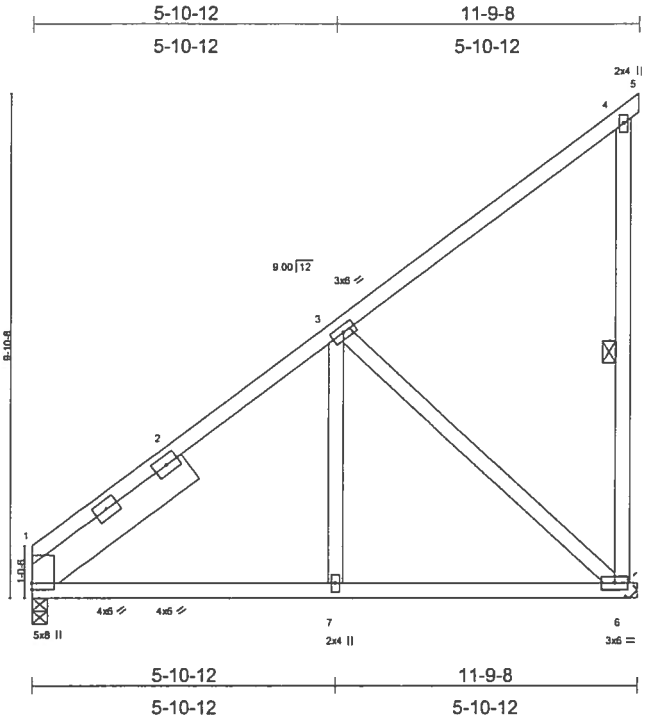

Plate Offsets (X,Y): [1:0-1-8,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.02	1-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.04	1-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 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 8 SYP No.1D 3-9-13

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.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 1=483/0-3-8, 6=487/Mechanical
Max Horz 1=439(load case 5)
Max Uplift1=-1(load case 5), 6=-373(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-489/0, 2-3=-400/0, 3-4=-118/66, 4-5=-2/0, 4-6=-130/158
BOT CHORD 1-7=-258/320, 6-7=-258/320
WEBS 3-7=0/187, 3-6=-418/340

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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1 and 373 lb uplift at joint 6.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052217

Job	Truss	Truss Type	Qty	Ply	
L132305F	F02	ROOF TRUSS	1	2	Job Reference (optional)

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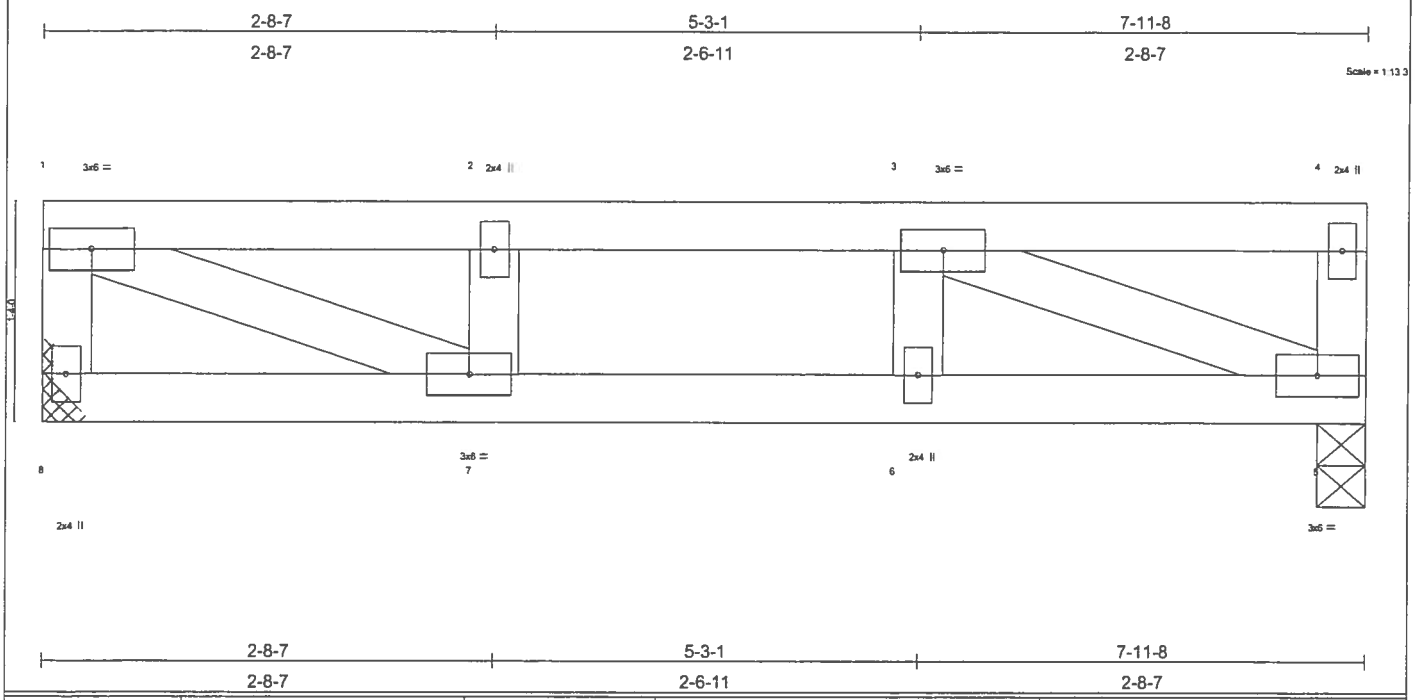

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.09	Vert(LL)	-0.01	7	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.12	Vert(TL)	-0.01	6-7	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 70 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 10-0-0 oc bracing.

REACTIONS (lb/size) 8=422/Mechanical, 5=422/0-3-8

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-404/0, 1-2=-719/0, 2-3=-719/0, 3-4=0/0, 4-5=-118/0
BOT CHORD 7-8=0/0, 6-7=0/719, 5-6=0/719
WEBS 1-7=0/777, 2-7=-273/0, 3-6=-17/59, 3-5=-777/0

NOTES
1) Trusses to be fastened together to act as a single unit. All loads to be distributed equally over the 2 plies.
2) Unbalanced floor live loads have been considered for this design.
3) This truss is not designed to be used as a floor truss.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1227052218

Job	Truss	Truss Type	Qty	Ply	
L132305F	F01	ROOF TRUSS	1	1	Job Reference (optional)

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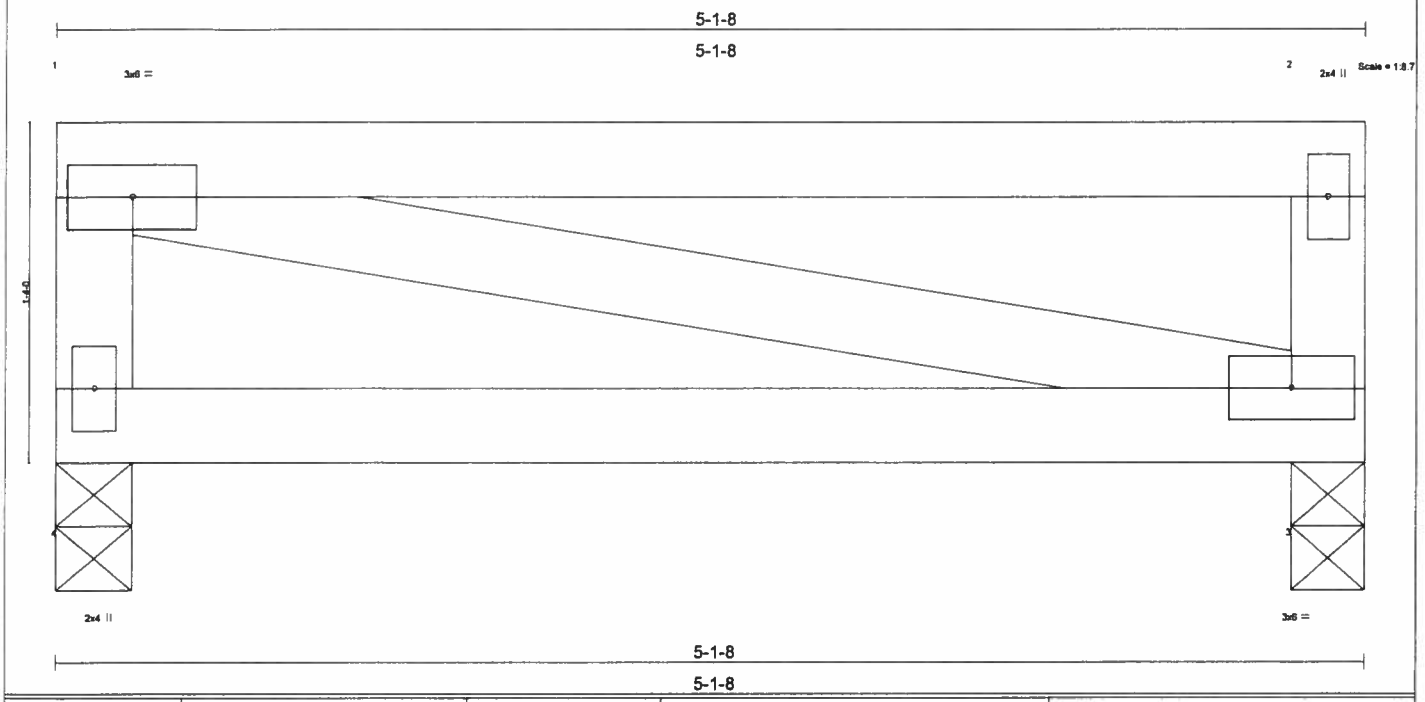

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.05	3-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 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 5-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=203/0-3-8, 3=203/0-3-8
Max Uplift4=-77(load case 3), 3=-77(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-131/156, 1-2=0/0, 2-3=-131/156
BOT CHORD 3-4=-0/0
WEBS 1-3=-0/0

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) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 4 and 77 lb uplift at joint 3.

LOAD CASE(S) Standard

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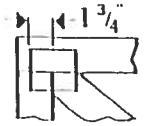
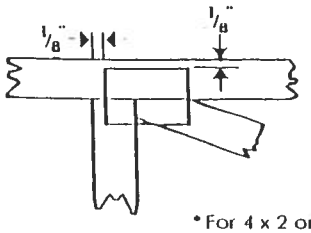
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.

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

PLATE SIZE

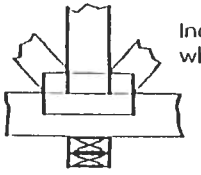
4 X 4

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

LATERAL BRACING

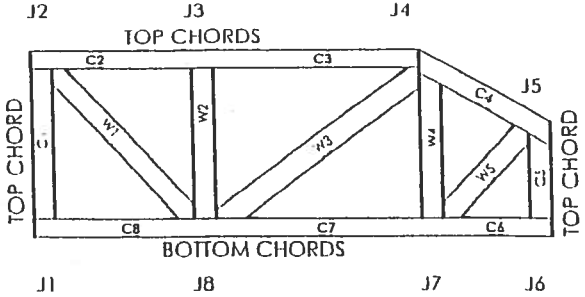
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

TRIM-IT™ SPAN TABLES

Loading 40 TCLL-10 TCDL-0 BCLL-5 BCDL

TCLL = Top Chord Live Load • TCDL = Top Chord Dead Load
BCLL = Bottom Chord Live Load • BCDL = Bottom Chord Dead Load

3 x 2 SPF 2100F 1.8E • 4 x 2 SYP SS

Deflection L/360

Depth	Product Number	Lumber Size	On-Center Spacing 12"	16"	19.2"	24"
11-1/4"	TI 1223S	3 x 2	20-0-0	19-4-0	18-3-0	16-11-0
	TI 1224P	4 x 2	20-0-0	20-0-0	20-0-0	18-0-0
14"	TI 1423S	3 x 2	24-0-0	23-0-0	21-2-0	18-0-0
	TI 1424P	4 x 2	24-0-0	24-0-0	24-0-0	22-0-0
16"	TI 1623S	3 x 2	26-0-0	25-1-0	23-0-0	19-4-0
	TI 1624P	4 x 2	28-0-0	28-0-0	26-0-0	22-0-0

Deflection L/480

Depth	Product Number	Lumber Size	On-Center Spacing 12"	16"	19.2"	24"
11-1/4"	TI 1223S	3 x 2	19-4-0	17-7-0	16-7-0	15-0-0
	TI 1224P	4 x 2	20-0-0	19-5-0	18-0-0	16-11-0
14"	TI 1423S	3 x 2	22-0-0	20-8-0	19-6-0	18-0-0
	TI 1424P	4 x 2	24-0-0	23-2-0	21-5-0	20-0-0
16"	TI 1623S	3 x 2	25-1-0	22-6-0	21-0-0	19-4-0
	TI 1624P	4 x 2	28-0-0	25-4-0	23-5-0	21-5-0

Notes

- No composite action is assumed when sheathing is fastened to the top chord.
- For web configurations see specific component designs
- Spans can be applied to non-pitched roofs.
- Span tables indicate the maximum design spans (including a 1-3/4" bottom chord minimum bearing at each end).

John L. Gelinski, FL Lic #60642
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO 63017
FL Cert.#6634

February 18, 2005

MiTek
14515 N. Outer Forty,
Suite #300
Chesterfield, MO 63017

TRIM-IT™

TRIMMABLE END METAL WEB FLOOR TRUSS

Trim-It™, the patented manufactured *Trimmable End* Metal Web Floor Truss, delivers ***the ultimate in design flexibility!***

Patented TRIM-IT... No manufacturing lead times. Field trimmable.

Its open ***alternating web design*** allows for easy pass-through of mechanical and electrical services. Add this to ***longer clear spans*** wide ***on-center spacing*** and ***onsite "trimmability"*** and it just doesn't get any easier or more efficient than this. **Trim-It** is also available in a ***variety of depths*** to match most conventional or engineered lumber product.

Build your floors with confidence. **Trim-It** is manufactured to precise engineering specifications, and fully tested to deliver reliable performance.

Save on labor and materials too! The **Trim-It** Metal Web Floor Truss is ***lightweight*** so it's easy to handle and install. Plus, its wide nailing flange speeds up the installation of floor sheathing. Best of all, it's available when you need it!

Builders FirstSource

MiTek

P.O. Box 1546 • Sumter, SC 29151 **803.778.1921** • Email **trimittruss@yahoo.com**

SPAN TABLES

TRIM-IT™

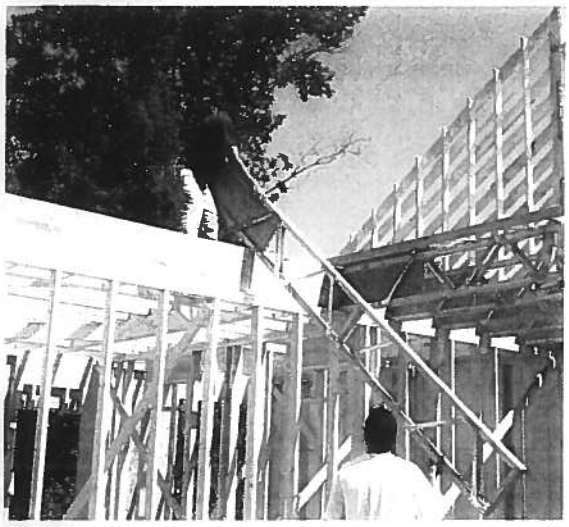
METAL WEB FLOOR TRUSS

Loading

40 psf TCLL-10 psf TCDL-0 psf BCLL-5 psf BCDL

TCLL = Top Chord Live Load • TCDL = Top Chord Dead Load
BCLL = Bottom Chord Live Load • BCDL = Bottom Chord Dead Load

3 x 2 LBR SPF No. 2, 1650F 1.6E, 2100F 1.8E • 4 x 2 LBR SYP No 2, No. 1 SS

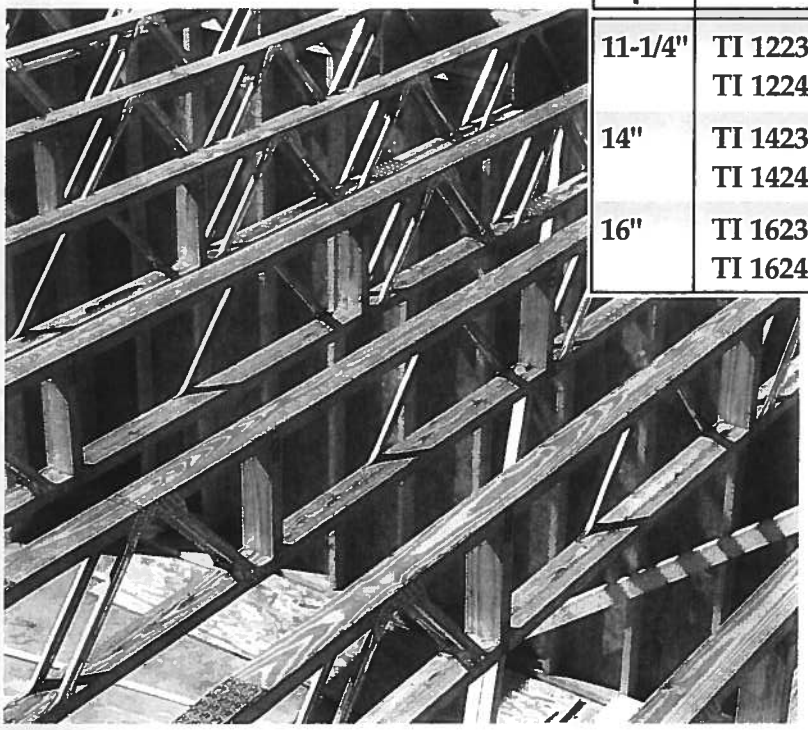


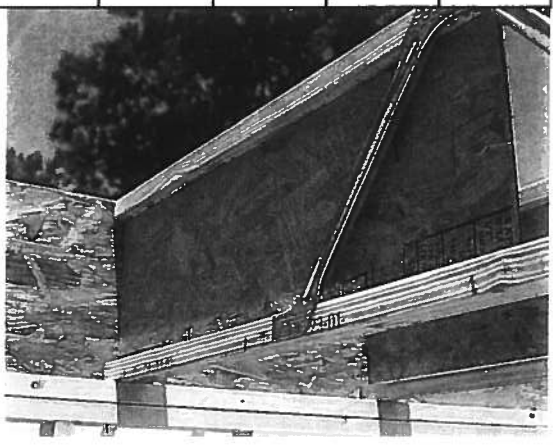
Deflection L/360

Depth	Product Number	Lumber Size	On-Center Spacing 12"	16"	19.2"	24"
11-1/4"	TI 1223S	3 x 2	20-0-0	19-4-0	18-3-0	16-11-0
	TI 1224P	4 x 2	20-0-0	20-0-0	20-0-0	18-0-0
14"	TI 1423S	3 x 2	24-0-0	23-0-0	21-2-0	18-0-0
	TI 1424P	4 x 2	24-0-0	24-0-0	24-0-0	22-0-0
16"	TI 1623S	3 x 2	26-0-0	25-1-0	23-0-0	19-4-0
	TI 1624P	4 x 2	28-0-0	28-0-0	26-0-0	22-0-0

Deflection L/480

Depth	Product Number	Lumber Size	On-Center Spacing 12"	16"	19.2"	24"
11-1/4"	TI 1223S	3 x 2	19-4-0	17-7-0	16-7-0	15-0-0
	TI 1224P	4 x 2	20-0-0	19-5-0	18-0-0	16-11-0
14"	TI 1423S	3 x 2	22-0-0	20-8-0	19-6-0	18-0-0
	TI 1424P	4 x 2	24-0-0	23-2-0	21-5-0	20-0-0
16"	TI 1623S	3 x 2	25-1-0	22-6-0	21-0-0	19-4-0
	TI 1624P	4 x 2	28-0-0	25-4-0	23-5-0	21-5-0





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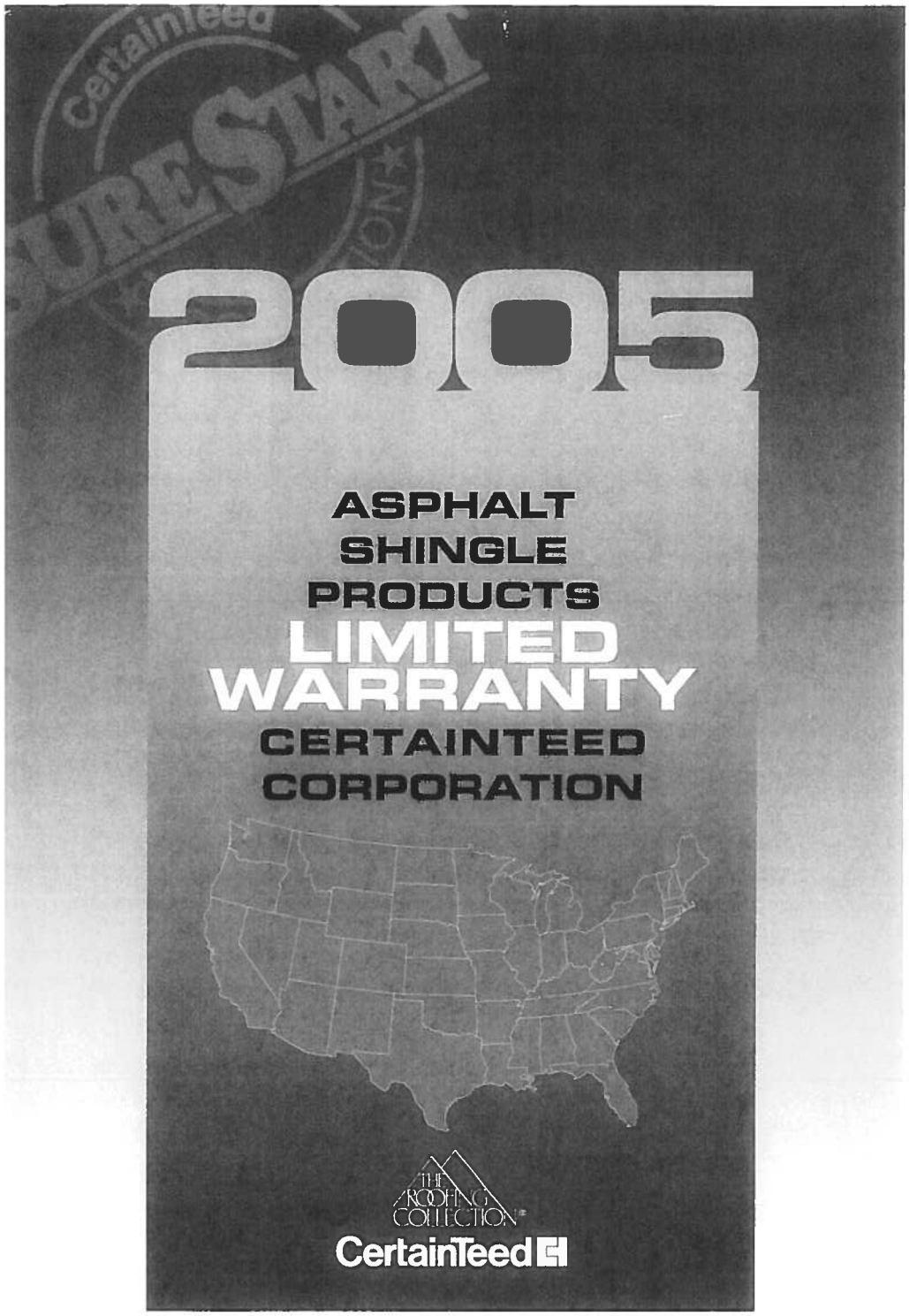
Lake City, FL 32055
386-755-6894

Notes on Span Tables

- No composite action is assumed when sheathing is fastened to the top chord.
- Product numbers with "P" use Southern Yellow Pine lumber; "S" use spruce, pine, or fir lumber.
- Spans can be applied to non-pitched roofs.
- Span tables indicate the maximum design spans (including a 1-3/4" minimum bearing at each end).



This document is available in Spanish. Call 1-800-404-9880. (Note: The operators do not speak Spanish.)
Se puede obtener este documento en español. Favor de llamar 1-800-404-9880. (Los operadores no hablan español.)

CONGRATULATIONS!

... and thank you for your recent purchase of one of the fine products in the CertainTeed Roofing Collection. Since 1904, CertainTeed has been producing quality roofing products that provide long-lasting beauty and protection for homes of every size, style and age. For the past 100 years, the basis for our name, "Quality made *certain*, satisfaction guaran*teed*," has been our ongoing philosophy.

Celebrating a Century of Building America

Your CertainTeed roofing warranty fully explains how CertainTeed supports its products with the strongest warranty protection available. It is important that you read the warranty section of this brochure. The warranty lists the specific CertainTeed asphalt shingle products that are covered and the period of time for which they are covered. Take the time to understand how CertainTeed protects your purchase by standing behind our products.

SURESTART™ PROTECTION

Because CertainTeed roofing products are manufactured to the highest quality standards, we confidently include the additional assurance of SureStart™ protection with all CertainTeed shingles. SureStart provides the strongest protection you can get in the vital early years after your new roof has been applied.

Simply put, if a manufacturing defect is discovered during the SureStart period, CertainTeed will provide reimbursement of 100% of the cost of the shingles and labor to repair the defective shingles or apply new shingles to replace the defective shingles (exclusive of costs of tear-off, metal work and disposal). SureStart protection is not prorated or otherwise reduced over time.

SureStart protection does not extend to any shingles applied to any non-ventilated or inadequately ventilated roof deck systems, except as stated on page 6.

TRANSFERABILITY

The warranty for CertainTeed shingles is transferable by the original property owner/consumer to the first subsequent owner. Upon transfer of the warranty during the product's SureStart period, the remaining duration of the warranty for the new owner is the same as it would have been for the original owner, except for lifetime products where the duration of the warranty will be 50 years measured from date of installation.

The remaining period of SureStart protection will be available to the first subsequent property owner.

For product warranties transferred after the SureStart period has elapsed, the remaining duration of the transferred warranty will be limited to **two** years from the date of real estate title transfer.

LIMITED WARRANTY

This warranty covers asphalt shingle products
sold only in the United States of America, its territories and Canada.

What and Who Is Covered and for How Long

CertainTeed warrants to the original property owner/consumer that its asphalt roofing shingles will be free from manufacturing defects for the length of time specified in Table 1, and that CertainTeed will repair or replace, at its option, any shingles proven to be defective under the terms of this warranty.

In addition, CertainTeed warrants that the Algae-Resistant versions of Grand Manor Shangle™, Centennial Slate™, Carriage House Shangle™, Presidential Shake™ TL, Landmark™ TL and Presidential Shake™ AR will remain free from algae growth (but **not** mold or mildew growth) which adversely affects the overall appearance of said shingles for a period of fifteen (15) years, and that Independence Shangle™ AR, Hatteras™, Landmark™ 50 AR, Woodscape™ 50 AR, Landmark™ 40 AR, Landmark™ 40 IR, Landmark™ 30 AR, Woodscape™ 30 AR, Classic Horizon Shangle™ AR, XT™ 30 AR, XT™ 30 IR, Patriot™ AR, XT™ 25 AR/Seal King™ 25 AR and CT20 AR shingles that were sold as "algae-resistant shingles" will remain free from algae growth (but **not** mold or mildew growth) which adversely affects the overall appearance of said shingles for a period of ten (10) years. However, CertainTeed reserves the right to clean the algae stains from the shingles rather than repair or replace the contaminated shingles.

In the event of repair, replacement or cleaning pursuant to the terms of this warranty, the original warranty shall apply to the replacement shingles or the repaired or cleaned shingles and will extend for the balance of the warranty period in effect at the time the shingles proved defective.

The lifetime coverage for Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL, and Landmark TL offered by this warranty is designed to cover individual homeowners only. In the instance of shingles purchased by or installed upon property owned by, for example, corporations, governmental agencies, partnerships, trusts, religious organizations, schools, condominiums or cooperative housing arrangements, or installed on apartment buildings or any other type of building or premises not used by individual homeowners as their residence, the warranty period for Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL and Landmark TL will be 50 years following the installation of the shingles. Further, CertainTeed's maximum liability after the SureStart period will be calculated using the figure indicated in Table 1 as the maximum material liability, exclusive of costs of labor, roof tear-off, metal work, and disposal, and by then decreasing that amount by the reduction figure specified in Table 1 for each month as measured from the date the shingles were installed to the date when proven defective.

SureStart™ Protection

All of CertainTeed's shingle products are covered by SureStart™ protection for the period specified in Table 1. Under this warranty feature, CertainTeed, at no charge, will repair or replace, at its option, any shingles proven to be defective during the applicable SureStart period (the SureStart period begins when shingle application has been completed and terminates at the end of the year indicated as its term of duration; i.e., the SureStart period for Independence Shangle terminates at the completion of its fifth year of service). CertainTeed's maximum material liability under SureStart will be equal to the reasonable cost to replace the defective shingles, plus labor. CertainTeed shall not be responsible or liable for costs of roof tear-off and disposal and of flashing and metal work (and repairs required by defects therein) except for Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL and Landmark TL, for which CertainTeed's maximum liability will also include the cost of roof tear-off and disposal.

SureStart protection does not extend to any shingles applied to any non-ventilated or inadequately ventilated roof deck systems, except as stated on page 6. In the case of these shingles, CertainTeed's maximum contribution toward the cost of repairing, replacing or cleaning the defective shingles will be calculated using the figure indicated in Table 1 as the maximum material liability, exclusive of costs of labor, roof tear-off and disposal, and by then decreasing that amount by the reduction figure (related to shingles applied to an inadequately ventilated roof deck) for each month as measured from the date the shingles were installed to the date when proven defective.

In instances in which CertainTeed, under the terms of this warranty, has agreed to pay the cost of labor required to repair, replace or clean defective or contaminated shingles, CertainTeed will provide reimbursement only upon receipt of a copy of the contractor's invoice or other written evidence of the completion of such work which CertainTeed, in its sole discretion, deems acceptable.

Flintlastic™ SA (Self-Adhering) System

For small low slope residential roofing projects – less than 20 squares (such as decks, additions and porches) – CertainTeed offers the following 10-year SureStart membrane warranty on our two-ply system consisting of Flintlastic™ SA Base and Flintlastic SA Cap sheet, providing the system has been applied in accordance with CertainTeed's current written installation instructions.

Please refer to next page for remainder of warranty, including other conditions.

TABLE 1

Product	Warranty Period	SureStart™ Period	Wind Warranty MPH	Algae Resistant Warranty Period**	Maximum Material Liability After SureStart Period	Reduction Figure Per Month
GRAND MANOR SHANGLE™	LIFETIME	10 YEARS	110	15	$140/Square	1/600*
CENTENNIAL SLATE™	LIFETIME	10 YEARS	110	15	$130/Square	1/600*
CARRIAGE HOUSE SHANGLE™	LIFETIME	10 YEARS	110	15	$110/Square	1/600*
PRESIDENTIAL SHAKE™ TL (and AR)	LIFETIME	10 YEARS	110	15	$140 Square	1/600*
LANDMARK™ TL (and AR)	LIFETIME	10 YEARS	110	15	$120/Square	1/600*
PRESIDENTIAL SHAKE™ (and AR)	50 YEARS	10 YEARS	110	15	$95/Square	1/600
LANDMARK™ 50 (and AR)	50 YEARS	5 YEARS	90††	10	$55/Square	1/600
WOODSCAPE™ 50 AR	50 YEARS	5 YEARS	90††	10	$55/Square	1/600
INDEPENDENCE SHANGLE™ (and AR)	50 YEARS	5 YEARS	110	10	$55/Square	1/600
HATTERAS™	40 YEARS	5 YEARS	110	10	$55/Square	1/480
LANDMARK™ 40 (and AR) (and IR)	40 YEARS	5 YEARS	80††	10	$45/Square	1/480
HALLMARK SHANGLE™	40 YEARS	5 YEARS	80	N/A	$55/Square	1/480
XT™ 30 (and AR) (and IR)	30 YEARS	5 YEARS	70	10	$35/Square	1/360
LANDMARK™ 30 (and AR)	30 YEARS	5 YEARS	70††	10	$40/Square	1/360
WOODSCAPE™ 30 AR	30 YEARS	5 YEARS	70††	10	$40/Square	1/360
PATRIOT™ AR	30 YEARS	5 YEARS	70	10	$40/Square	1/360
CLASSIC HORIZON SHANGLE™ (and AR)	30 YEARS	5 YEARS	70	10	$40/Square	1/360
NEW HORIZON SHANGLE™	30 YEARS	5 YEARS	70	N/A	$40/Square	1/360
HEARTHSTEAD™	25 YEARS	5 YEARS	60	N/A	$35/Square	1/300
CUSTOM LOK™ 25	25 YEARS	5 YEARS	60	N/A	$35/Square	1/300
XT™ 25 (and AR)/Seal King™ 25 AR	25 YEARS	5 YEARS	60	10	$30/Square	1/300
SEALDON™ 25	25 YEARS	5 YEARS	60	N/A	$30/Square	1/300
JET™ 25	25 YEARS	5 YEARS	60	N/A	$30/Square	1/300
GT20 (and AR)	20 YEARS	5 YEARS	60	10	$25/Square	1/240
ANY SHINGLES APPLIED TO ANY INADEQUATELY VENTILATED ROOF DECK	10 YEARS†	N/A	N/A	N/A	See Above	1/120

* For Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL and Landmark TL, at the completion of the 40th year the reduction figure will remain at 480/600, or 20% of the total maximum liability.

** Algae Resistant Warranty period cited is only applicable to Algae Resistant version of the pertinent shingle.

† **For details of warranty coverage for shingles installed on inadequately ventilated roof decks on both residential and commercial buildings, see provisions on page 6 under "Inadequately Ventilated and Non-Ventilated Decks."**

†† **Laminate wind warranty upgrade. Roof shingles shall be resistant to blow-off due to wind velocities, including gusts, up to a maximum of 110 miles per hour for Landmark 50 and Woodscape 50, 90 mph for Landmark 40 and 80 mph for Landmark 30 and Woodscape 30, during the first five (5) years following application, provided that the shingles are installed using six (6) fasteners, in the common bond area, per shingle.**

CertainTeed warrants that Landmark 40 IR and XT30 IR are compliant with UL 2218 Impact Resistance of Prepared Roof Covering Materials test criteria at time of manufacture.

CertainTeed warrants the roof membrane for a period of 10 years from the date of completion of the roof membrane installation. During the duration of this warranty, CertainTeed will repair the roof membrane as necessary to retain the membrane in a watertight condition. Only leaks or other membrane deficiencies that result from manufacturing defects are covered by this warranty. CertainTeed and/or its designated roofing contractor will repair, at CertainTeed's expense, such leaks or other membrane deficiencies covered by the warranty as necessary to retain the roof membrane in a watertight condition. CertainTeed is not responsible for any costs related to the removal or abatement of any asbestos present in any existing roofing system to which the CertainTeed roofing membrane is applied. The roof membrane referred to herein shall include the following components: a base sheet and a cap sheet applied per CertainTeed published specifications. The roof components which are not part of the roof membrane and hence NOT covered by this warranty are the following: underlying roof deck, insulation, vapor retarders, fasteners, metal work, drains, skylights, vents, plastic accessories, any flashing, decorative or reflective coating, surfacing and/or any ballast, rock or gravel.

Beyond SureStart™ Protection

Should any shingles prove to be defective subsequent to the SureStart™ period, CertainTeed's maximum contribution toward the cost of repairing or replacing the defective shingles will be calculated using the figure indicated in Table 1 as the maximum material liability, exclusive of costs of labor, roof tear-off and disposal, and by then decreasing that amount by the specified reduction figure for each month as measured from the date the shingles were installed to the date when proven defective.

Transferability

DURING THE SURESTART PERIOD

This limited warranty may be transferred by the original property owner/consumer to the first subsequent property owner. If the warranty is transferred by the original property owner/consumer during the SureStart period, the duration of the warranty, measured from the date of installation, will remain the same as for the original property owner/consumer, and the remaining period of SureStart protection will be available to the subsequent property owner.

With respect to Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL and Landmark TL, if this warranty is effectively transferred during the ten (10) year SureStart period, the duration of the warranty will be 50 years measured from the date of installation, and the remaining period of SureStart protection will be available to the subsequent property owner.

AFTER THE SURESTART PERIOD

In the event that the warranty is transferred by the original property owner/consumer subsequent to the SureStart period, the warranty duration following the transfer will be two years from the date of real estate title transfer, and the warranty obligation will be calculated as explained in the above section titled "Beyond SureStart Protection."

Limitations

This warranty does not provide protection against any failure, defect or damage caused by situations and events beyond normal exposure conditions, including but not limited to:

- winds, including gusts, greater than those listed in Table 1 for each product, lightning, hurricane (see Limited Wind Warranty for hurricane wind exception), tornado, hailstorm, earthquake, fire, explosion, flood or falling objects.
- distortion, cracking or other failure, or movement of the base material over which the shingles are applied, or of the roof deck, or of the walls or foundation of the building itself.
- damage caused by structural changes, alterations or additions, or by the installation of equipment (such as aerials, signs or air conditioning equipment) to the structure after the original shingles have been applied.
- stains or contamination to the shingle arising from sources such as, but not limited to, moss, lichens or other vegetation, mold or mildew growth, or paints, chemicals or other similar materials, unless the applied asphalt shingle was sold as an "algae-resistant shingle," in which case CertainTeed will clean, repair or replace, at its option, per the terms of the warranty, only such shingles which are proven to be contaminated with algae during the term of the warranty against algae growth.
- misuse, abuse or improper handling or storage of CertainTeed shingles.
- installation of shingles over non-approved roof decks as fully explained in the CertainTeed *Shingle Applicator's Manual*.
- damage to CertainTeed shingles, the roof deck or the structure caused by ice backup or ice damming.
- improper application or application not in accordance with CertainTeed's current written installation instructions.

Mold and mildew are functions of environmental conditions and are not manufacturing defects. As such, mold and mildew are not covered by this warranty or any implied warranty.

CertainTeed reserves the right to discontinue or modify any of its products, including the color of the shingles, and shall not be liable as a result of such discontinuance or modification, nor shall CertainTeed be liable in the event replacement material varies in color in comparison to the original product as a result of normal weathering. If CertainTeed replaces any material under this warranty, it may substitute products designated by CertainTeed to be of comparable quality or price range in the event the product initially installed has been discontinued or modified.

WARNING: FOR LOW-VOLUME RAIN AND SALT-FOG AREAS

In areas of low-volume rain (defined as insignificant rainfall during a 90-day period) and "salt fog," such as parts of the Southern California coastline, copper released by algae-resistant (AR) granules can react with the aluminum in gutters, leading to severe corrosion of the gutters. Therefore, in such regions, it is strongly recommended that aluminum gutters not be used with algae-resistant shingles. Vinyl or copper gutters are recommended.

CertainTeed disclaims all liability and responsibility for any damages that may be incurred by the use of its algae-resistant shingle products containing copper granules where aluminum gutters are used.

CertainTeed shall not have any liability or responsibility under its warranty for a) Damage to or defects in its shingles caused by settlement, movement, distortion, deterioration, cracking, or other failure of the roof deck or of the materials used as a roofing base over which its shingles are applied, b) Damage caused by the growth of mold or mildew, or c) Defects, damage, or failure caused by application of its shingles not in strict adherence with CertainTeed's written instructions.

In any instance in which the shingles qualify for only a 10-year warranty, CertainTeed's obligation will be calculated by using both the maximum material liability and applicable monthly reduction figure shown in Table 1 related to shingles applied to an inadequately ventilated roof deck.

Please refer to next page for remainder of warranty, including other conditions.

Inadequately Ventilated and Non-Ventilated Decks

Any shingles applied to inadequately ventilated or non-ventilated decks, other than the shingles and deck systems described in the paragraph below, titled "Insulated Decks and Radiant Barriers," shall qualify for a reduced warranty duration of 10 years with no SureStart coverage, with respect to shingle problems related to the absence of adequate roof system ventilation (see warranty for details).

Insulated Decks and Radiant Barriers

CertainTeed's Limited Asphalt Shingle Warranty, including SureStart™ coverage, will remain in force when its fiber glass asphalt shingles manufactured to meet ASTM D3462 are applied to roof deck assemblies (slopes ≥ 2:12) where foam insulation is prefabricated into the roof deck system (often called "nailboard insulation"), where insulation is installed beneath an acceptable roof deck system, or where radiant barriers are installed, with or without ventilation directly below the deck. Acceptable roof deck surfaces must consist of either minimum ⅜" thick plywood or minimum 7/16" thick OSB. If an alternate deck surface material is being considered, contact CertainTeed Technical Services. ***See the following important restrictions.***

The design professional is responsible for ensuring 1) proper quality and application of the insulation and/or radiant barrier, 2) provision of adequate structural ventilation and/or vapor retarders as determined to be necessary, and 3) that all local codes are met (particularly taking into account local climate conditions). Special attention must be taken if cellular foam, fiber glass, or cellulose insulations, or other highly permeable insulation will be used in an unventilated system, or if the insulation/rafter or insulation/joist planes may create an air leak that could lead to moisture transmission and condensation problems. *All these important factors and decisions, while* ***not*** *the responsibility of CertainTeed Corporation, are critical to assure proper deck system performance.*

Ventilated Nail-Base Roof Insulation

Ventilated Nail-Base Roof Insulation products consist of rigid insulation (typically foam board) and some sort of material to provide air space above the insulation and below a nailable deck (which is typically minimum 7/16" thick OSB or minimum ⅜" plywood). These products can be a satisfactory way to provide soffit-to-ridge ventilation over cathedral-type ceilings, and their proper use will allow CertainTeed's Limited Asphalt Shingle Warranty to be unreduced. It is important to follow the deck manufacturer's instructions and ensure that sufficient ventilation is achieved. CertainTeed offers FlintBoard™ CV — cross-ventilating insulation boards with 1", 1½" and 2" air channels.

Limited Wind Warranty

CertainTeed warrants both its fiber glass asphalt shingles and its organic-base asphalt shingles to resist blow-off damage due to wind velocities, including gusts, and including hurricane winds where applicable (over 75 mph) during the first ten (10) years following application for Grand Manor Shangle, Centennial Slate, Carriage House Shangle, Presidential Shake TL, Landmark TL, Presidential Shake and Hatteras shingles. All other shingle products are warranted to resist blow-off damage due to wind velocities, including gusts, up to the maximum wind velocity per product listed in Table 1 (including hurricane winds where applicable) during the first five (5) year period following application of the shingles.

If any such blow-off damage does occur during those initial time periods after application, CertainTeed will furnish replacement shingles without charge for those shingles damaged (but will not be responsible for labor costs pertaining to removal or replacement of damaged shingles). If the applied shingles contain self-sealing asphalt strips, and if any of these strips fail to activate within the first year following application, CertainTeed shall have no liability under this warranty for such a defect unless CertainTeed is afforded the opportunity to hand-seal, at its expense, any non-sealing shingles.

Any costs in excess of CertainTeed's contribution shall be the owner's responsibility through homeowner's insurance, etc.

What the Customer Must Do

The property owner must promptly notify CertainTeed in writing of any manufacturing defect or algae contamination and provide proof of the date of purchase and date of application of the shingles. CertainTeed will then investigate the claim, and if a defect covered by this warranty is confirmed, CertainTeed, within a reasonable amount of time after inspecting the shingle, will repair, replace or clean the defective shingles or reimburse the property owner the appropriate amount for the repair, replacement or cleaning of the shingles under the terms of the warranty.

All notifications should be sent to: CertainTeed, 1400 Union Meeting Road, Blue Bell, PA 19422
Attn: RPG Technical Services Department,
Telephone number: 800-345-1145

Warranty Registration (not required)

CertainTeed would like to offer you a way to safeguard your investment by registering your product warranty on the CertainTeed Website at **www.certainteed.com/warranty.** You will then receive a numbered registration confirmation by return e-mail that can be printed out and kept with this warranty document and your proof of purchase. Failure to register this warranty shall NOT void the warranty or any of its terms. **For those without internet access** please feel free to provide us with your complete name, address and phone number; the name and contact information for your roofing contractor and the name of the shingle, number of squares, color and installation date. We will register the information for you and mail you the confirmation.

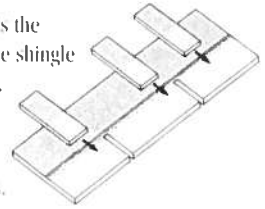
Mail to CertainTeed Corporation, Roofing Products Group P.O. Box 860, Valley Forge, PA 19482.

Please refer to back page for remainder of warranty, including other conditions.

WHAT IS A SELF-SEALING STRIP?

Most shingles contain a factory applied self-sealing asphalt strip which must be subjected to direct sunlight for several days before sealing will occur. Shingles installed in the fall or winter may not seal until the following spring. Shingles which do not receive direct sunlight or which are not exposed to adequate surface temperatures may never seal and must be hand sealed at time of application. Improper installation of shingles, or damage to the factory applied self-sealing strip by dust, sand, or foreign matter, will prevent the sealing strip from activating. Failure of the shingles to seal under any of the above circumstances is **not** a manufacturing defect and CertainTeed will not be responsible for repairing, replacing or hand-sealing any shingles under any such circumstance.

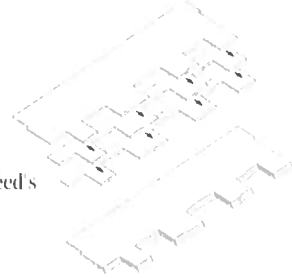
WHAT IS A "SHANGLE® "?



The "Shangle®," an idea conceived by CertainTeed over 35 years ago, is the original "laminated shingle." The Shangle features a full-size, one-piece shingle as a base, to which individual shingle tabs or overlay pads are applied, providing extra protection and aesthetic enhancement to the roof.

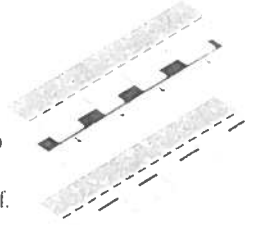
A *Super* Shangle® takes this idea one step further by using it on an 18" x 36" base layer, adding another shingle layer and the shingle tabs.

WHAT IS A TRI-LAMINATE™?



Our patented Tri-Laminate™ process combines three layers of the industry's most durable materials into an exceptionally strong, dramatically thick roofing product styled with the classic appeal of wood shakes. The stunning, 3-dimensional appearance of CertainTeed's Super Shake™ products gives your roof tremendous depth and distinction beyond comparison.

WHAT IS A TWO-PIECE LAMINATE?



Whereas a Shangle consists of a full-size, one-piece base shingle onto which tabs or pads are applied, a two-piece laminate uses a full-size shingle with tab-size teeth cut out of it. Adhered to the back of this top shingle is a half shingle that runs behind the cutouts. The result is a multi-layered shingle that provides a rugged, textured look on the roof.

WHAT IS AN ALGAE-RESISTANT SHINGLE?

Many of CertainTeed's fiber glass shingles are available in an algae-resistant version. Commonly, although incorrectly, called "fungus," the black and green algae that creates unsightly streaking on shingles is a common occurrence in warm, humid climates. CertainTeed AR shingles carry an exceptional 10- or 15-year limited warranty against algae contamination.

FOR YOUR RECORDS ONLY

Product Purchased_____ Date of Installation _____

Roofing Contractor_____ Contractor's Phone No. _____

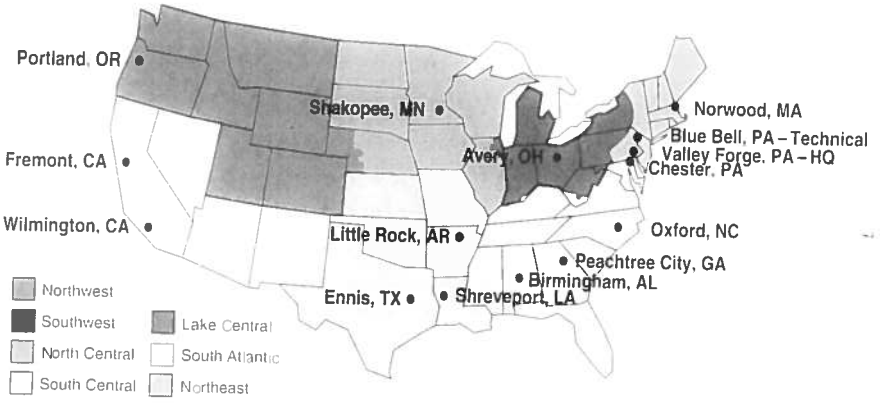
This warranty, which is effective on shingles applied on or after January 1, 2005, supersedes the written warranty previously issued by CertainTeed coded No. 20-20-1890.

THIS WARRANTY REPLACES ALL OTHER ORAL OR WRITTEN WARRANTIES, LIABILITIES OR OBLIGATIONS OF CERTAINTEED. APPLICABLE STATE LAW WILL DETERMINE THE PERIOD OF TIME FOLLOWING THE SALE THAT A PROPERTY OWNER/CONSUMER MAY SEEK A REMEDY UNDER THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL CERTAINTEED BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING ANY DAMAGE TO THE BUILDING, ITS CONTENTS OR ANY PERSONS THEREIN, RESULTING FROM THE BREACH OF THIS WARRANTY. NO FIELD REPRESENTATIVE, DISTRIBUTOR OR DEALER OF CERTAINTEED IS AUTHORIZED TO CHANGE OR MODIFY THIS WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

ROOFING PLANTS AND REGIONAL SALES OFFICES

CertainTeed roofing products are sold by the Roofing Products Group of CertainTeed Corporation in seven sales regions. They are manufactured in eleven residential roofing plants and two commercial roofing plants.



Since the early 1900s, CertainTeed Corporation has been an innovator in the building materials industry and today is a leading manufacturer of building materials including residential and commercial roofing, vinyl and fiber cement siding, vinyl windows, composite decking and railing, fiber glass insulation, vinyl fence, and piping products. The company is headquartered in Valley Forge, Pennsylvania, and employs more than 7,000 employees at approximately 50 manufacturing facilities throughout North America. Continuing the 100 year commitment of "quality made *certain*, satisfaction guaran*teed*," CertainTeed remains one of the most trusted names in the industry. More information is available at www.certainteed.com.

CertainTeed Corporation
Roofing Products Group
P.O. Box 860 • Valley Forge, PA 19482
800-345-1145

CertainTeed

Quality made certain. Satisfaction guaranteed.

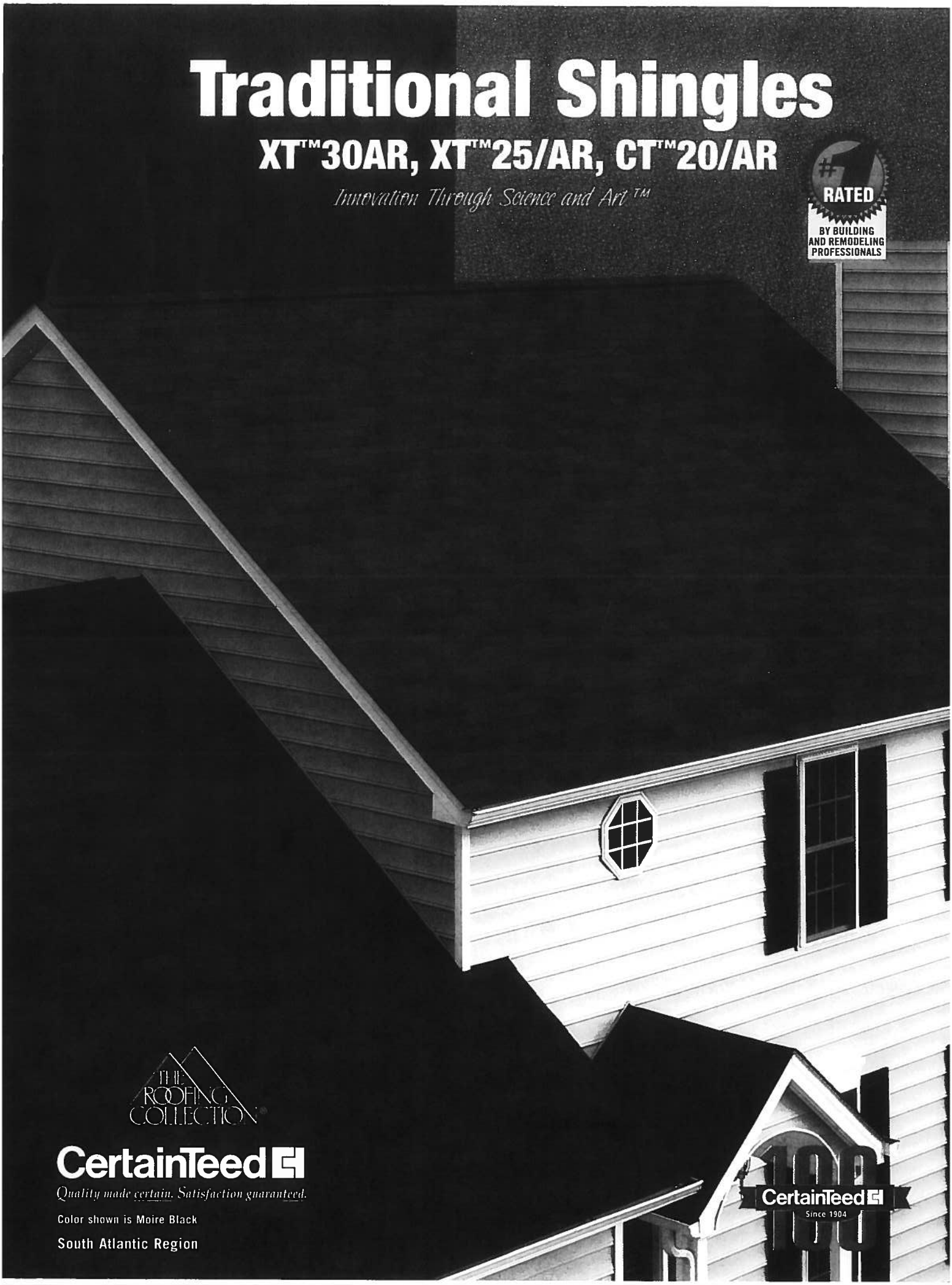
 20-20-1927

Traditional Shingles

XT™30AR, XT™25/AR, CT™20/AR

Innovation Through Science and Art™

#1 RATED BY BUILDING AND REMODELING PROFESSIONALS



THE ROOFING COLLECTION®

CertainTeed

Quality made certain. Satisfaction guaranteed.

Color shown is Moire Black

South Atlantic Region

100 CertainTeed Since 1904

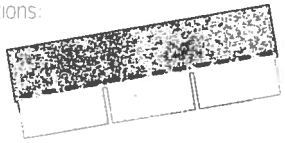
Your XT™ 30AR color palette

Three Levels of Protection.

If you're looking for shingles with staying power, your search stops here. When it comes to weathering the elements, XT30, XT25, and CT20 are at the top of their class. Built on a tough fiber glass base, each shingle is a little heavier than the next with added warranty and wind protection.

For just a bit more money than an ordinary shingle, XT30 and XT25 give you a whole lot more. If you want a three-tab shingle that has quality and price nailed down, CT20 is an intelligent balance of strength, reliability and value.

All products conform to the following specifications:



- Fiber glass composition
- UL Class A Fire Resistance
- UL Certified to meet ASTM D3462
- UL Certified to meet ASTM D3018 Type I
- Conforms to CSA Standard A123.5-98

For U.S. building code compliance, see product specification sheets.

Protect Yourself.

Be sure to ask your roofing contractor for a copy of the CertainTeed product warranty* or call the CertainTeed Home Institute at 800-782-8777 to request a copy. We make it easy for you to view our warranties and register your investment online:certainteed.com/warranty.

A Beautiful Roof Makes a Beautiful Home.

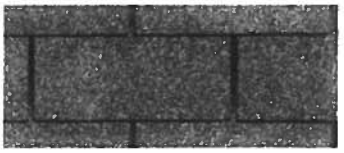
In addition to our traditional three-tab shingles, CertainTeed also offers a complete line of architectural shingles that can transform your home into a warm work of art, gracefully and easily. For more information, ask your contractor or visit us on the web at www.certainteed.com.

Protected under the following patent: 5,951,809

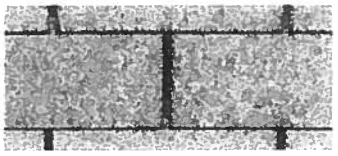
See actual warranty for specific details and limitations

Limited transferable warranty, including SureStart™ protection, is applicable only in the United States, its territories and Canada; for products sold outside these areas, please refer to the International Warranty for specific details and limitations.

Cedar Brown

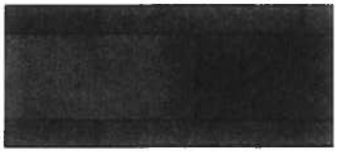


Oakwood



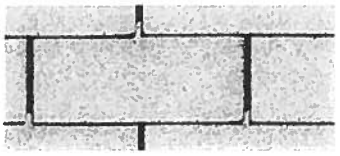
Cinnamon Frost

Silver Lining

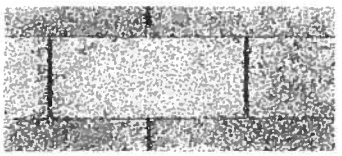


Dove Gray

Slate Gray

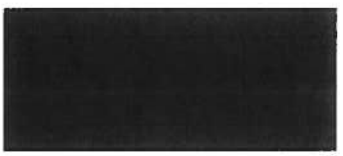


Evergreen Blend

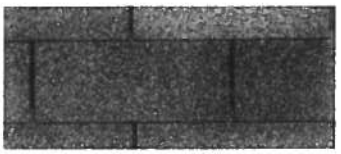


Star White

Mint Frost



Tile Red Blend



Moire Black

Timber Blend

Nickel Gray

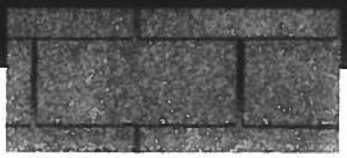
Weathered Wood

XT 30AR
Product Specifications & Warranty*

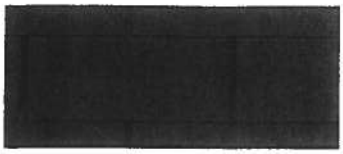
- 235 lb. per square
- 30-year limited transferable warranty against manufacturing defects
- 10-year algae resistance warranty
- 5-year SureStart™ protection
- 5-year warranty against winds up to 70 mph

Your XT™25 & XT™25AR color palette

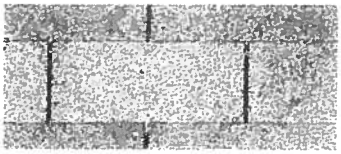
Dove Gray†



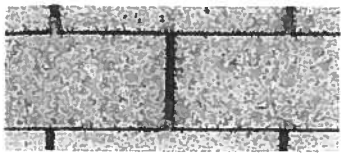
Cinnamon Frost



Evergreen Blend†

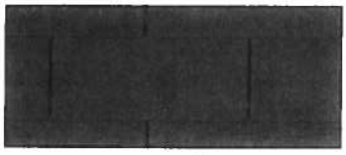


Mint Frost

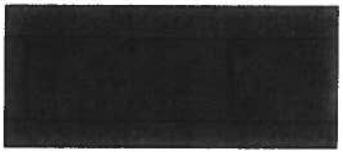


Silver Lining†

Moire Black



Tile Red Blend†

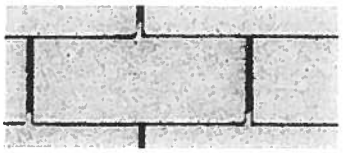


Oakwood

Black††

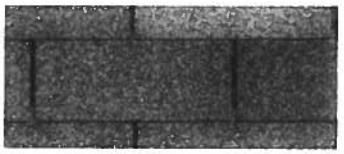
Slate Gray

Gray Frost††



Star White

Nickel Gray††



Timber Blend

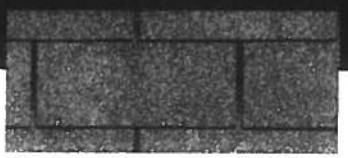
Cedar Brown

Weathered Wood

XT™25 & XT 25AR
PRODUCT SPECIFICATIONS & WARRANTY*

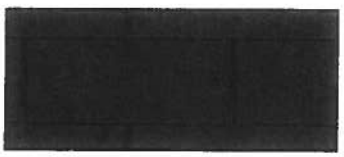
- 225 lb. per square
- 25-year limited transferable warranty against manufacturing defects
- 10-year algae resistance warranty (XT 25AR)
- 5-year SureStart protection
- 5-year warranty against winds up to 60 mph

Your CT™20 & CT™20AR color palette



Cinnamon Frost†

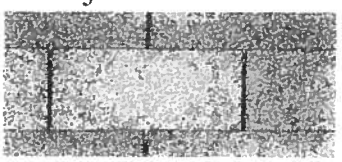
Cedar Brown



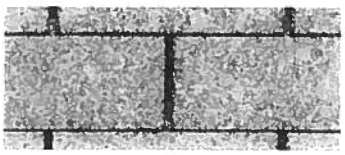
Evergreen Blend†

Dove Gray

Oakwood†



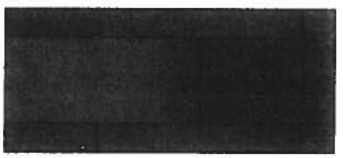
Mint Frost



Silver Lining†

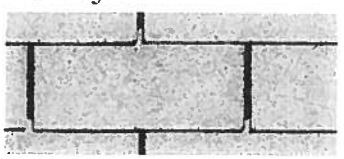
Moire Black

Tile Red Blend†

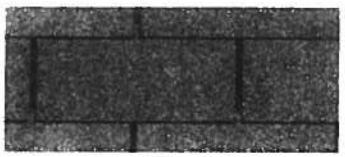


Slate Gray

Forest Gray††



Star White



Gray Frost††

Timber Blend

Black

Weathered Wood

CT™20 & CT™20AR
PRODUCT SPECIFICATIONS & WARRANTY*

- 200 lb. per square
- 20-year limited transferable warranty against manufacturing defects
- 10-year algae resistance warranty (CT 20AR)
- 3-year SureStart protection
- 5-year warranty against winds up to 60 mph

† Available only in Algae resistant version

†† Available only in Non-Algae resistant version

The Integrity Roof System™

Superb performers that work even better as a team...

INSTALL THE SYSTEM.

WinterGuard™
Waterproofing shingle underlayment prevents leaks from ice dams and wind-driven rain in vulnerable areas.

Roofers' Select™
High-performance underlayment as a secondary barrier against leaks.

CertainTeed Shingles
High-quality shingles available in a wide variety of styles and colors, covered by one of the best warranties in the business.

Ventilation
A properly balanced ventilation system improves air circulation and provides year-round benefits.

Flintlastic™ Roll Roofing
A selection of high-quality roll roofing products, including Flintlastic SA self-adhering membranes, for porches, carports, canopies, additions, and any low-slope roof. Available in 8 colors to match or complement CertainTeed shingles.

The Color Selection Process

The choice of color can be among the greatest challenges when selecting a roof. To assist you in choosing a color that will satisfy your expectations, take the following steps:

1) View a full-size shingle

2) See actual roof applications

3) Because the appearance of a roof may vary depending upon the light exposure, conside viewing several roof applications under vari- ous kinds of light, i.e. bright sun, partial sur full cloud, etc.

4) Determine if the pitch of your roof will impact how a shingle color will look on your home. To make the best selection, view homes with your shingle color choice with roof pitches similar to your own.

NOTE: REPRODUCTION OF COLORS throughout this publication is as accurate as modern printing will permit. Colors are subjec to changes by granule manufacturers.

Corporate Office

750 E. Swedesford Road
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Valley Forge, PA 19482
(610) 341-7000

Technical Services

(800) 345-1145

Fax On Demand

(800) 947-0057

THIS PRODUCT IS CERTIFIED BY UNDERWRITERS LABORATORIES TO MEET ASTM D3462 A TOUGH SHINGLE PERFORMANCE STANDARD REQUIRED IN MANY OF TODAY'S BUILDING CODES.

For more information on this or any of CertainTeed's family of building products, visit us at **www.certainteed.com** or call **(800) 782-8777**

CertainTeed