



January 31, 2002

**TO: OUR FLORIDA CUSTOMERS:**

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

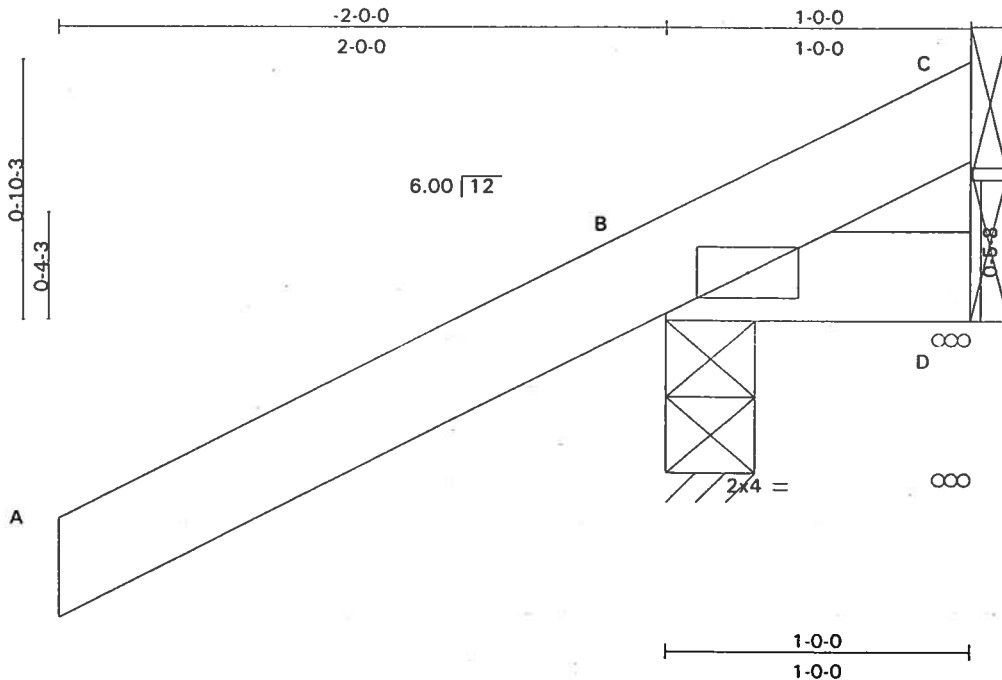
All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509179
L45316	CJ1	ROOF TRUSS	14	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLIN HOLDINGS, Inc. Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:40 2003 Page 1



Scale = 1:7.1

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.19	Vert(LL)	0.00	B > 999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.00	Vert(TL)	0.04	A-B > 557		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	C n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	= 240		Weight: 7 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D

#### BRACING

TOP CHORD Sheathed or 1-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS (lb/size) C=-90/Mechanical, B=261/0-3-8, D=10/Mechanical

Max Horz B=73(load case 4)

Max Uplift C=-90(load case 1), B=-259(load case 4), D=-7(load case 2)

Max Grav C=131(load case 4), B=261(load case 1), D=10(load case 1)

#### FORCES (lb) - First Load Case Only

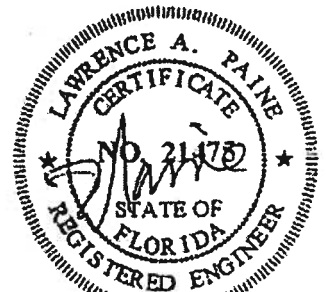
TOP CHORD A-B=47, B-C=-69

BOT CHORD B-D=0

#### NOTES

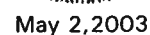
- 1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint C, 259 lb uplift at joint B and 7 lb uplift at joint D.

LOAD CASE(S) Standard



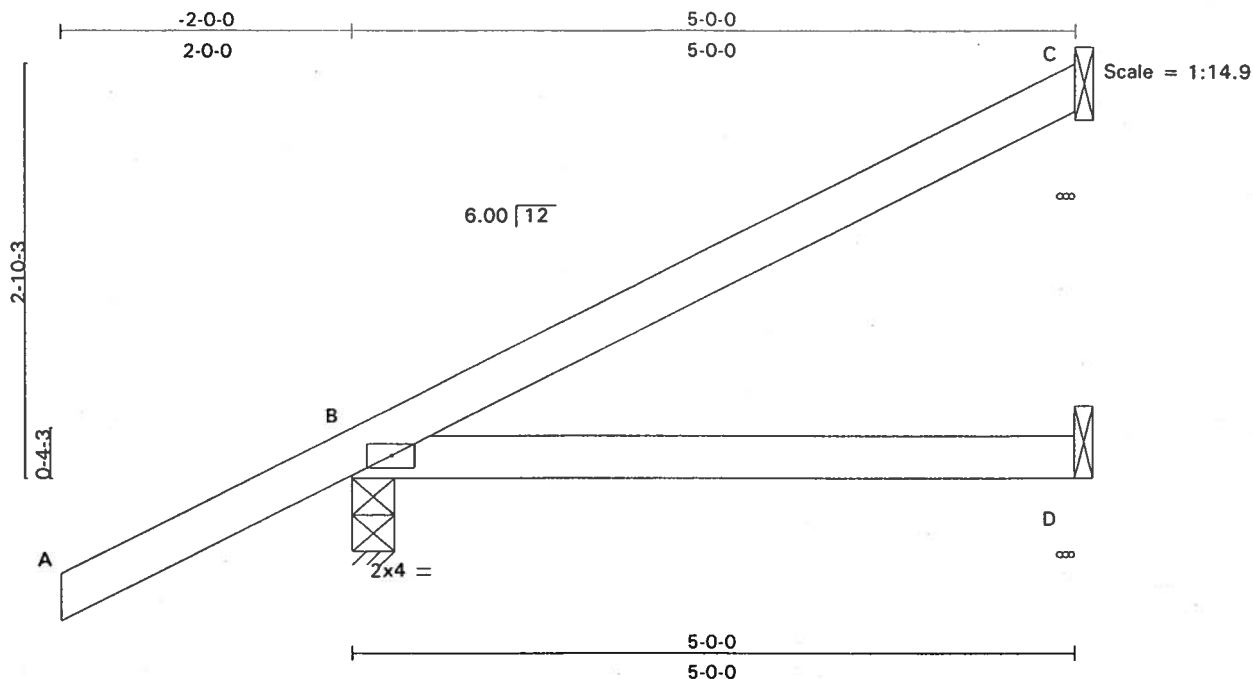
May 2, 2003

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:41 2003 Page 1



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509181
L45316	CJ5	ROOF TRUSS	8	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:41 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.21	Vert(LL)	0.03	B-D	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	0.09	A-B	>287		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	C	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min I/defl	= 240			Weight: 19 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D

#### BRACING

TOP CHORD Sheathed or 5-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

#### REACTIONS (lb/size) C = 103/Mechanical, B = 319/0-3-8, D = 48/Mechanical

Max Horz B = 130(load case 5)

Max Uplift C = -106(load case 5), B = -197(load case 4), D = -34(load case 2)

#### FORCES (lb) - First Load Case Only

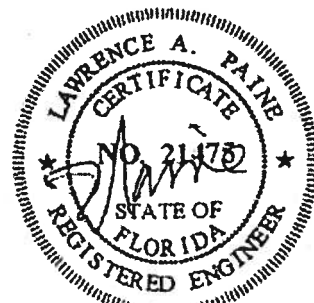
TOP CHORD A-B = 47, B-C = 36

BOT CHORD B-D = 0

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint C, 197 lb uplift at joint B and 34 lb uplift at joint D.

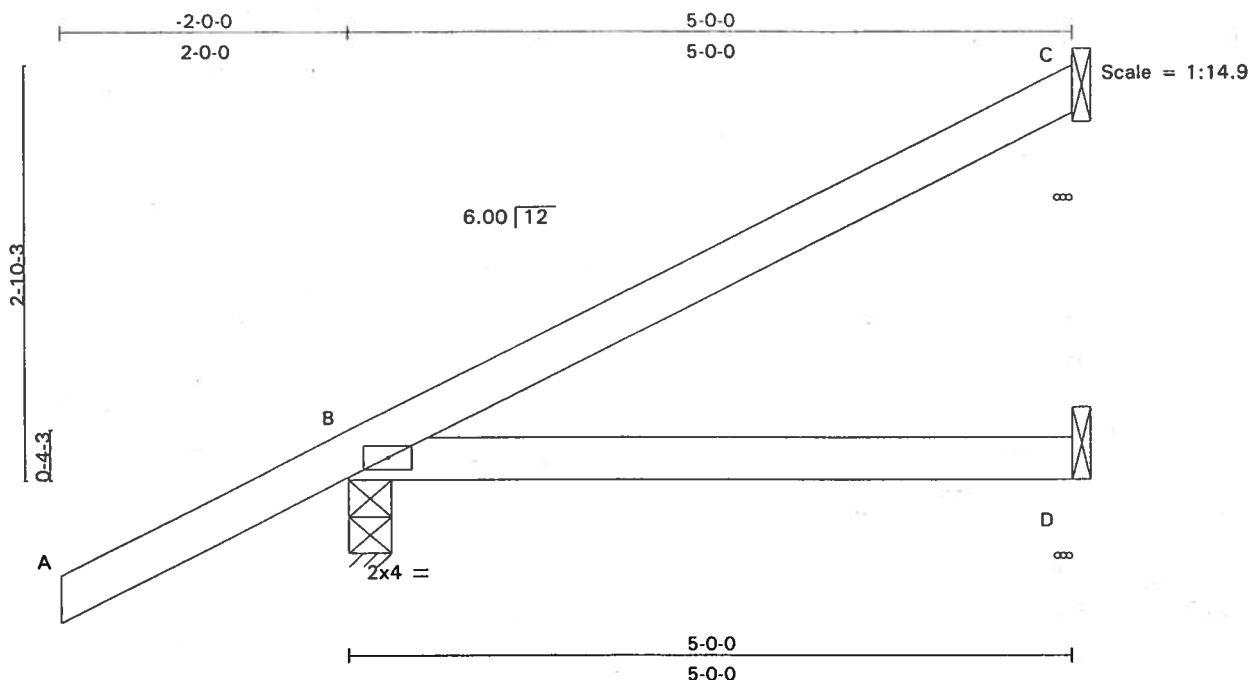
LOAD CASE(S) Standard



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509182
L45316	EJ5	ROOF TRUSS	10	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:42 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.21	Vert(LL)	n/a	-	n/a	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	0.09	A-B	>287		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	C	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	=	240		Weight: 19 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D

#### BRACING

TOP CHORD Sheathed or 5-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) C=103/Mechanical, B=319/0-3-8, D=48/Mechanical  
Max Horz B=130(load case 5)  
Max Uplift C=-106(load case 5), B=-139(load case 4)

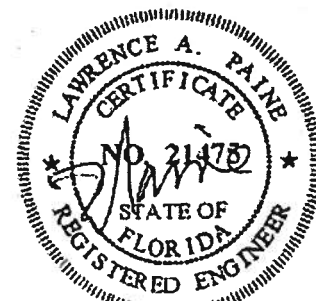
#### FORCES (lb) - First Load Case Only

TOP CHORD A-B=47, B-C=36  
BOT CHORD B-D=0

#### NOTES

- 1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint C and 139 lb uplift at joint B.

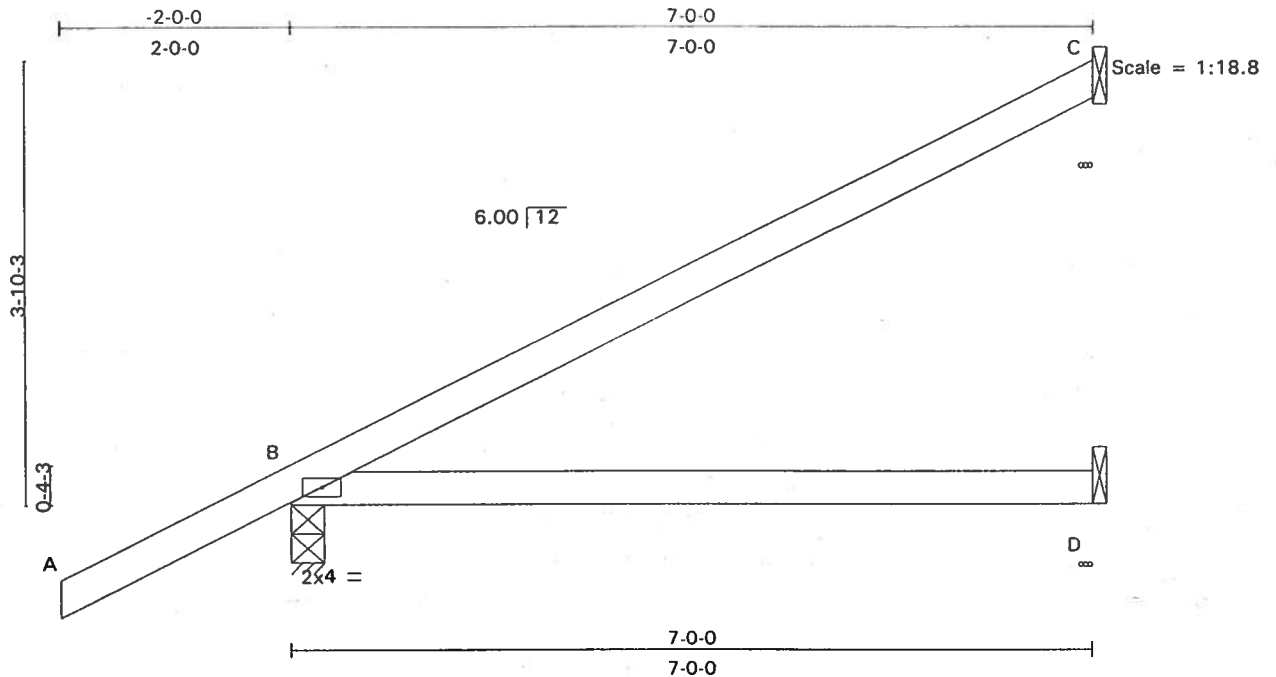
**LOAD CASE(S)** Standard



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509183
L45316	EJ7	ROOF TRUSS	25	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLDINGS, Inc. Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:43 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	0.13	B-D	>641	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.18	Vert(TL)	0.22	A-B	>117		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	C	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	= 240			Weight: 26 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D

#### BRACING

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

#### REACTIONS (lb/size) C = 165/Mechanical, B = 385/0-3-8, D = 68/Mechanical

Max Horz B = 174(load case 5)

Max Uplift C = -153(load case 5), B = -211(load case 4), D = -48(load case 2)

#### FORCES (lb) - First Load Case Only

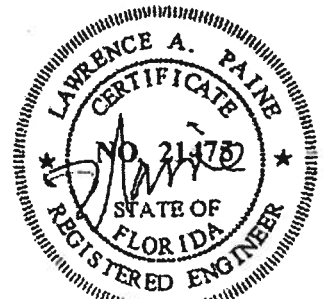
TOP CHORD A-B = 47, B-C = 59

BOT CHORD B-D = 0

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint C, 211 lb uplift at joint B and 48 lb uplift at joint D.

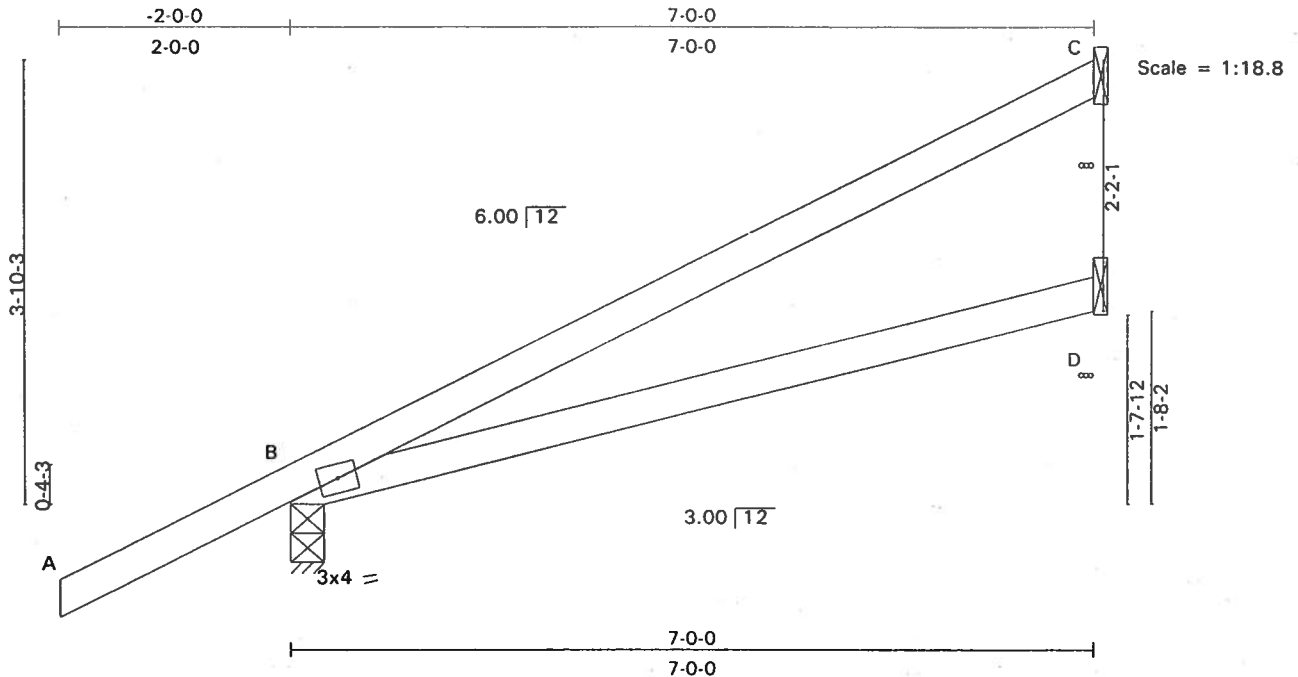
LOAD CASE(S) Standard



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES.	A509184
L45316	EJ7A	ROOF TRUSS	10	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 Mittek Industries, Inc. Wed Apr 30 13:22:44 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	n/a	-	n/a	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.18	Vert(TL)	0.22	A-B	> 116		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	C	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	=	240		Weight: 26 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D

#### BRACING

TOP CHORD Sheathed or 6'-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

**REACTIONS** (lb/size) C = 165/Mechanical, B = 385/0-3-8, D = 68/Mechanical  
Max Horz B = 175(load case 5)  
Max Uplift C = -154(load case 5), B = -129(load case 4)

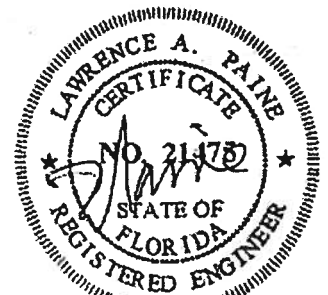
#### FORCES (lb) - First Load Case Only

TOP CHORD A-B = 46, B-C = 59  
BOT CHORD B-D = 13

#### NOTES

- 1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 2) Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint C and 129 lb uplift at joint B.

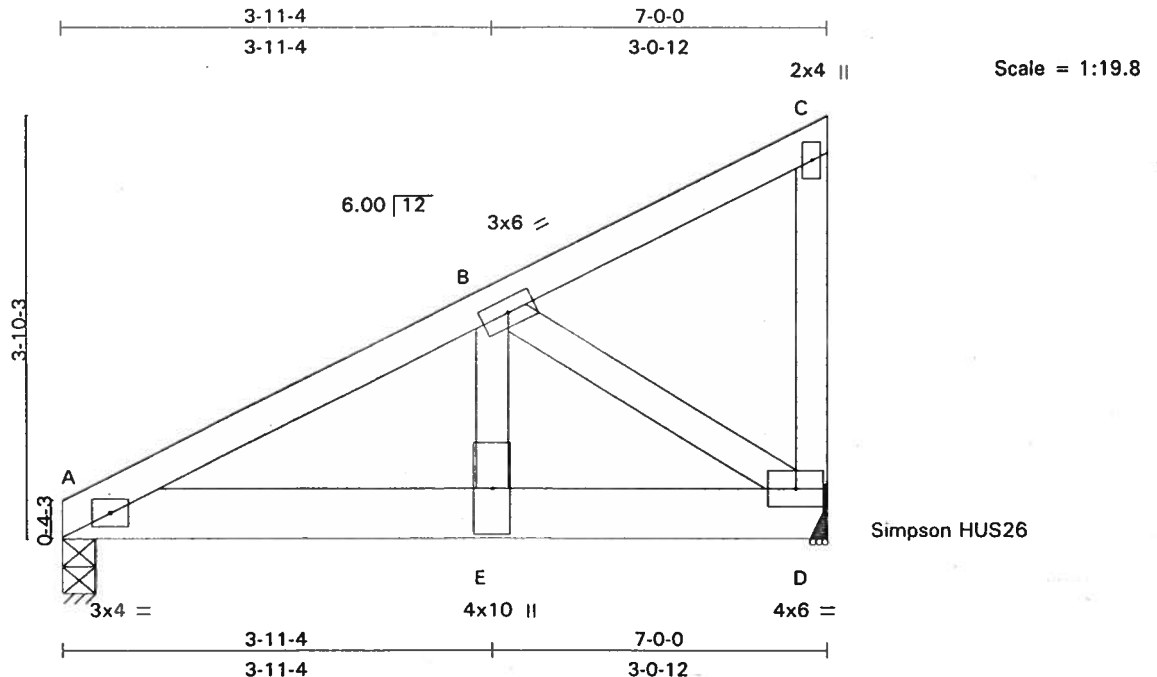
LOAD CASE(S) Standard



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	
L45316	EJ7B	MONO TRUSS	1	1	(optional)	A509185

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 Mitek Industries, Inc. Wed Apr 30 13:22:45 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.17	Vert(LL)	0.03	A-E	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.56	Vert(TL)	-0.05	A-E	>999		
BCLL 0.0	Rep Stress Incr	NO	WB 0.53	Horz(TL)	0.01	D	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	= 240			Weight: 40 lb	

#### LUMBER

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

#### BRACING

TOP CHORD Sheathed or 4-8-3 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS (lb/size)** A = 1576/0-3-8, D = 1576/Mechanical  
Max Horz A = 129(load case 4)  
Max Uplift A = -490(load case 4), D = -555(load case 4)

#### FORCES (lb) - First Load Case Only

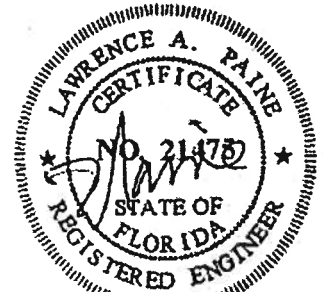
TOP CHORD A-B = -1817, B-C = 21, C-D = -63  
BOT CHORD A-E = 1593, D-E = 1593  
WEBS B-E = 1649, B-D = -1908

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 490 lb uplift at joint A and 555 lb uplift at joint D.

#### LOAD CASE(S) Standard

- Regular: Lumber Increase = 1.25, Plate Increase = 1.25  
Uniform Loads (plf)  
Vert: A-D = -416.0, A-C = -54.0

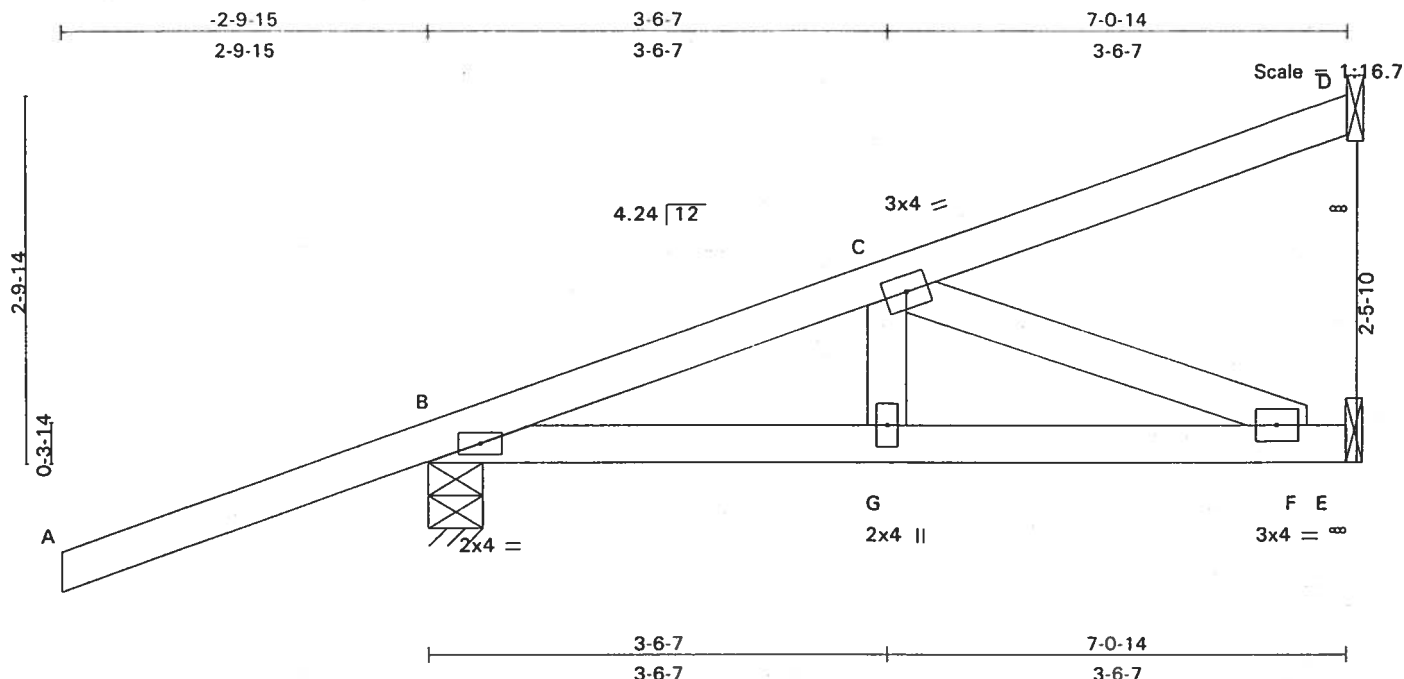


May 2, 2003



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509186
L45316	HJ7	ROOF TRUSS	3	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:47 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	0.00	G	>999	M120	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.12	Vert(TL)	0.28	A-B	>132		
BCLL 0.0	Rep Stress Incr	NO	WB 0.06	Horz(TL)	0.00	E	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min I/defl	=	240		Weight: 33 lb	

#### LUMBER

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

#### BRACING

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

**REACTIONS (lb/size)** D = 138/Mechanical, B = 355/0-4-15, E = 125/Mechanical  
Max Horz B = 142(load case 2)  
Max Uplift D = -102(load case 3), B = -212(load case 2), E = -3(load case 3)

#### FORCES (lb) - First Load Case Only

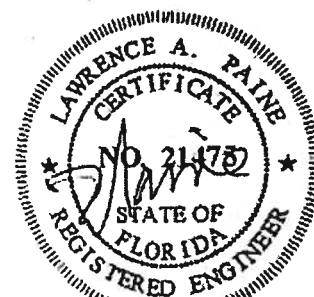
TOP CHORD A-B = 50, B-C = -272, C-D = 35  
BOT CHORD B-G = 219, F-G = 219, E-F = 0  
WEBS C-G = 77, C-F = -236

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint D, 212 lb uplift at joint B and 3 lb uplift at joint E.

#### LOAD CASE(S) Standard

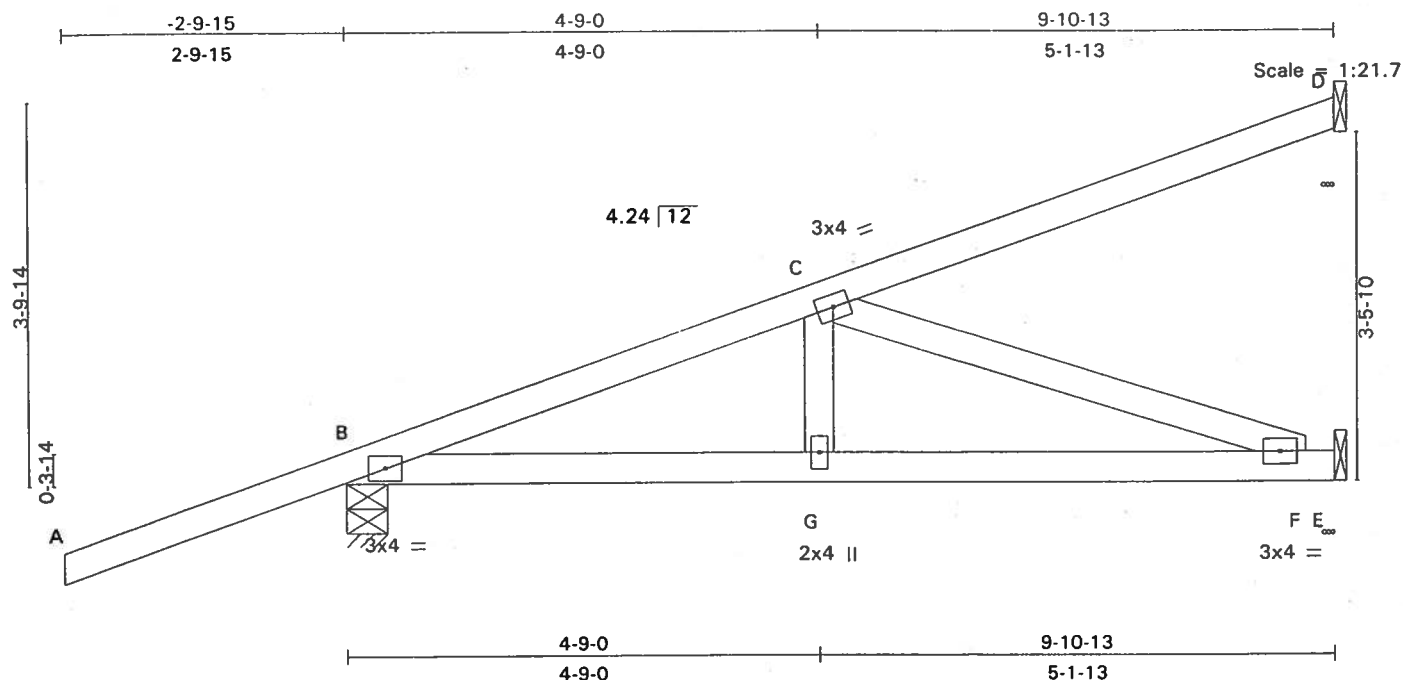
- Regular: Lumber Increase = 1.25, Plate Increase = 1.25  
Uniform Loads (plf)  
Vert: A-B = -54.0  
Trapezoidal Loads (plf)  
Vert: B = -2.8-to-D = -95.5, B = -0.0-to-E = -35.4



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509187
L45316	HJ9	ROOF TRUSS	4	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER, Oct 17 2001, MiTek Industries, Inc. Wed Apr 30 13:22:48 2003 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	0.06	F-G	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.36	Vert(TL)	0.20	A-B	>182		
BCLL 0.0	Rep Stress Incr	NO	WB 0.34	Horz(TL)	0.01	E	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	= 240			Weight: 44 lb	

#### LUMBER

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

#### BRACING

TOP CHORD Sheathed or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 9-6-6 oc bracing.

**REACTIONS** (lb/size) D=250/Mechanical, B=493/0-4-15, E=317/Mechanical  
Max Horz B=235(load case 2)  
Max Uplift D=-200(load case 5), B=-342(load case 2), E=-157(load case 3)

#### FORCES (lb) - First Load Case Only

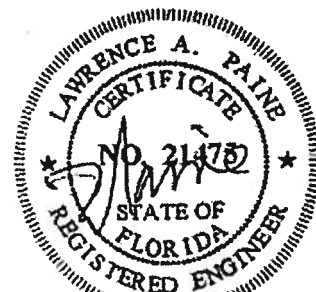
TOP CHORD A-B=50, B-C=-718, C-D=61  
BOT CHORD B-G=658, F-G=658, E-F=0  
WEBS C-G=113, C-F=-697

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint D, 342 lb uplift at joint B and 157 lb uplift at joint E.

#### LOAD CASE(S) Standard

- Regular: Lumber Increase = 1.25, Plate Increase = 1.25  
Uniform Loads (plf)  
Vert: A-B=-54.0  
Trapezoidal Loads (plf)  
Vert: B=-2.8-to-D=-133.6, B=-0.0-to-E=-49.5



May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES.
L45316	T01	ROOF TRUSS	1	1	A509188
(optional)					

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER, Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:49 2003 Page 1

2-0-0	3-4-3	7-0-0	10-7-12	14-3-8	17-11-8	22-0-11	26-3-13	30-5-0	34-5-8
2-0-0	3-4-3	3-7-13	3-7-12	3-7-12	3-8-0	4-1-3	4-3-2	4-1-3	4-0-8

Scale = 1:66.0

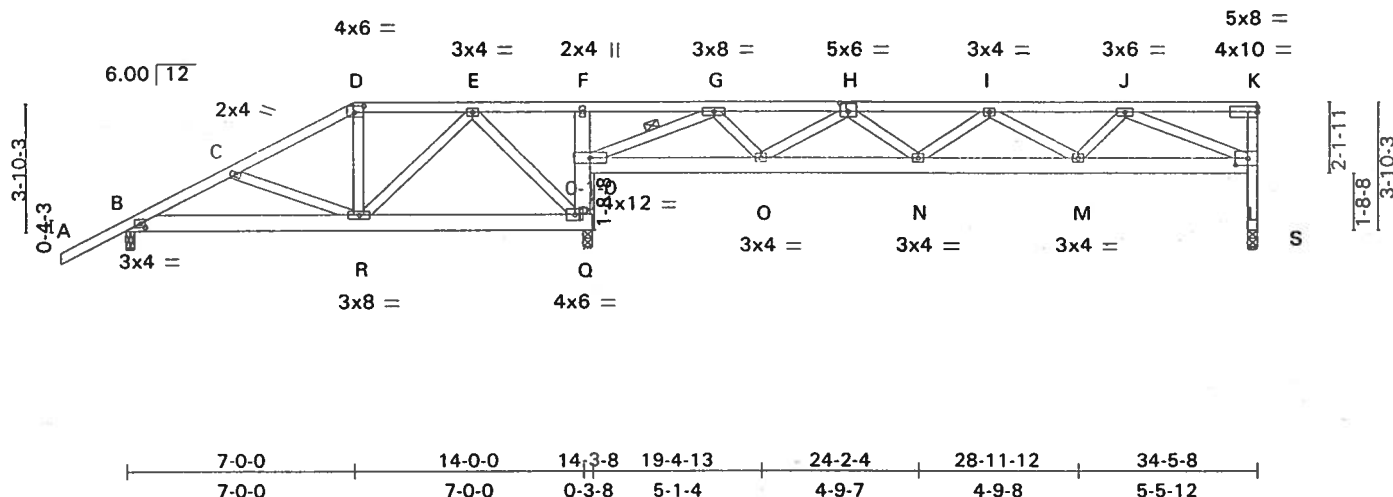


Plate Offsets (X,Y): [B:0-1-12,0-1-8], [D:0-3-8,0-2-4], [H:0-3-0,0-3-0], [L:0-4-8,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.66	Vert(LL) 0.18	N	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.94	Vert(TL) -0.26	N	>923		
BCLL 0.0	Rep Stress Incr	NO	WB 0.92	Horz(TL) 0.08	S	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl = 240			Weight: 207 lb	

#### LUMBER

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

#### BRACING

TOP CHORD Sheathed or 3-1-14 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-6-10 oc bracing.  
WEBS 1 Row at midpt G-P

#### REACTIONS (lb/size) S=1496/0-3-8, B=813/0-3-0, Q=3186/0-3-8

Max Horz Q=238(load case 4)

Max Uplift S=-617(load case 2), B=-550(load case 4), Q=-1514(load case 4)

#### FORCES (lb) - First Load Case Only

TOP CHORD A-B=51, B-C=-1248, C-D=-1061, D-E=-922, E-F=785, F-G=1178, G-H=-2347, H-I=-3835, I-J=-3126, J-K=-189, L-S=-1496, K-L=-243

BOT CHORD B-R=1073, Q-R=214, P-Q=-2037, F-P=-518, O-P=1673, N-O=3510, M-N=3854, L-M=2600

WEBS C-R=-168, D-R=108, E-R=997, E-Q=-1442, G-P=-3120, G-O=1066, H-O=-1396, H-N=422, I-N=-25, I-M=-873, J-M=833, J-L=-2647

#### NOTES

- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, the left is exposed and the right is not exposed. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) S considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 617 lb uplift at joint S, 550 lb uplift at joint B and 1514 lb uplift at joint Q.
- Girder carries hip end with 7-0-0 end setback



May 2, 2003

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase = 1.25, Plate Increase = 1.25  
Uniform Loads (plf)

Vert: A-D=-54.0, D-K=-117.6, B-R=-20.0, Q-R=-43.5, L-P=-43.5

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509188
L45316	T01	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLDING CO. Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:49 2003 Page 2

LOAD CASE(S) Standard  
 Concentrated Loads (lb)  
 Vert: R=-474.8

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	A509189
L45316	T02	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLEMAN Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:51 2003 Page 1

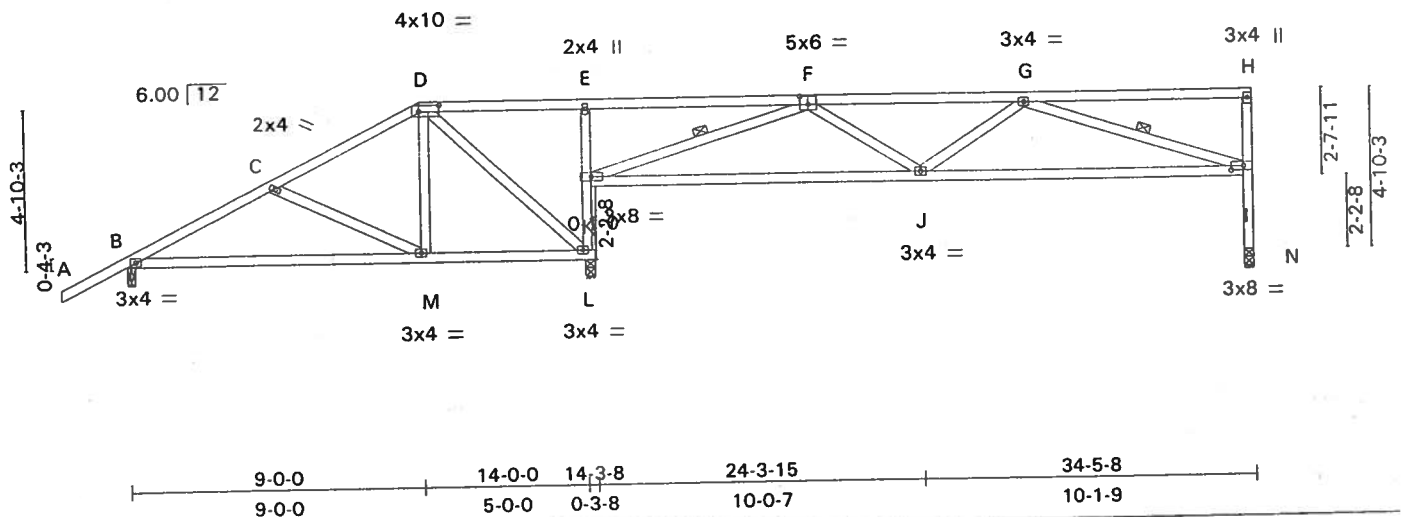
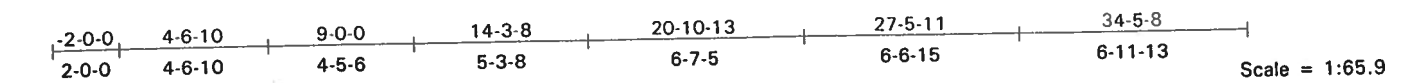


Plate Offsets (X,Y): [D:0-7-8,0-2-4], [F:0-3-0,0-3-0], [I:0-4-8,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.39	Vert(LL)	0.15	B-M	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.49	Vert(TL)	-0.20	I-J	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.59	Horz(TL)	0.06	N	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	=	240		Weight: 176 lb	

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D  
WEBS 2 X 4 SYP No.3 \*Except\*  
H-N 2 X 4 SYP No.2D

**BRACING**  
TOP CHORD Sheathed or 5-1-15 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 9-0-8 oc bracing.  
WEBS 1 Row at midpt F-K, G-I

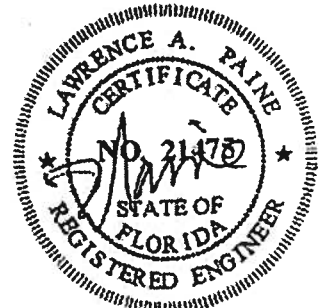
**REACTIONS** (lb/size) N = 719/0-3-8, B = 595/0-3-0, L = 1331/0-3-8  
Max Horz L = 232(load case 4)  
Max Uplift N = -246(load case 4), B = -430(load case 4), L = -611(load case 4)

**FORCES** (lb) - First Load Case Only  
TOP CHORD A-B = 47, B-C = -671, C-D = -401, D-E = 106, E-F = 80, F-G = -1500, G-H = -153, I-N = -719,  
H-I = -186  
BOT CHORD B-M = 564, L-M = 317, K-L = -937, E-K = -350, J-K = 1315, I-J = 1409  
WEBS C-M = -283, D-M = 296, D-L = -568, F-K = -1475, F-J = 225, G-J = 114, G-I = -1327

#### NOTES

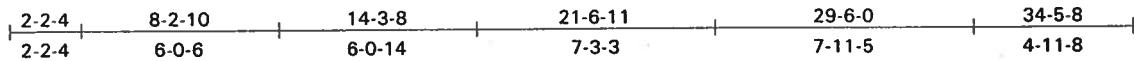
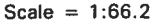
- 1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, the left is exposed and the right is not exposed. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Bearing at joint(s) N considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint N, 430 lb uplift at joint B and 611 lb uplift at joint L.

**LOAD CASE(S)** Standard



May 2, 2003

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER, Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:52 2003 Page 1



<b>LOADING</b> (psf)	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) l/defl	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase 1.25	TC 0.39	Vert(LL) 0.17 L-M >999	MII20	249/190
TCDL 7.0	Lumber Increase 1.25	BC 0.57	Vert(TL) -0.31 L-M >999		
BCLL 0.0	Rep Stress Incr YES	WB 0.77	Horz(TL) 0.15 R n/a		
BCDL 10.0	Code FBC2001	(Matrix)	1st LC LL Min l/defl = 240	Weight: 199 lb	

<b>BRACING</b>	
<b>TOP CHORD</b>	Sheathed or 4-0-9 oc purlins.
<b>BOT CHORD</b>	Rigid ceiling directly applied or 6-0-0 oc bracing.

**FORCES (lb) - First Load Case Only**  
**TOP CHORD** A-B = 47, B-C = 829, C-D = -1505, D-E = -2399, E-F = -2454, F-G = -2528, G-H = -1428, H-I = -1635, J-R = -1174, I-J = -1125  
**BOT CHORD** B-Q = -682, P-Q = 1088, O-P = 69, N-O = 0, M-O = 71, E-M = -173, L-M = 2629, K-L = 2292, J-K = 144  
**WEBS** C-Q = -2294, C-P = 261, D-P = -660, M-P = 1599, D-M = 1247, F-M = -212, F-L = -186, G-L = 398, G-K = -1048, H-K = 428, I-K = 1299

- 1) This truss has been checked for unbalanced loading conditions.
- 2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, the left is exposed and the right is not exposed. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) R considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 322 lb uplift at joint B, 480 lb uplift at joint Q and 314 lb uplift at joint R.

May 2, 2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509191
L45316	T04	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 Mitek Industries, Inc. Wed Apr 30 13:22:54 2003 Page 1

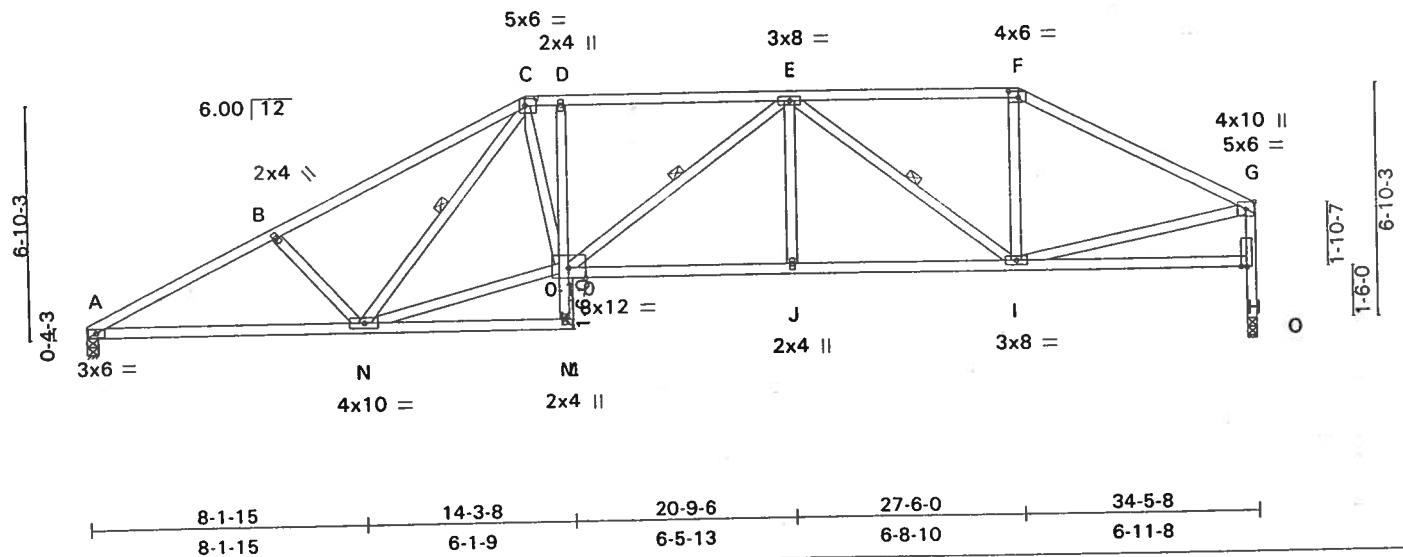
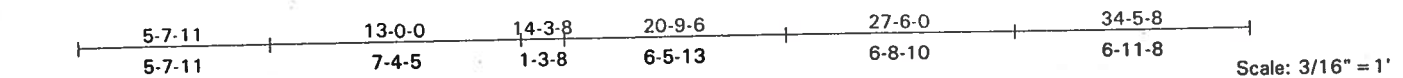


Plate Offsets (X,Y): [C:0-4-0,0-2-8], [F:0-3-8,0-2-4]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.41	Vert(LL)	0.14	J-K	>999	MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.27	J-K	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.61	Horz(TL)	0.11	O	n/a		
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl	= 240			Weight: 201 lb	

#### LUMBER

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

#### BRACING

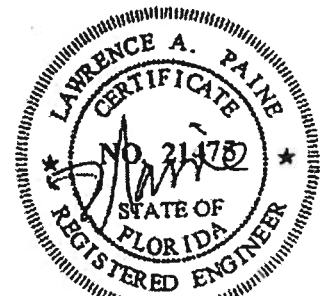
TOP CHORD Sheathed or 3-11-12 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 7-3-1 oc bracing.  
Except:  
WEBS 1 Row at midpt D-K  
1 Row at midpt C-N, E-K, E-I

**REACTIONS** (lb/size) A = 1266/0-4-3, O = 1265/0-3-8  
Max Horz A = 184(load case 4)  
Max Uplift A = -389(load case 4), O = -314(load case 4)

**FORCES** (lb) - First Load Case Only  
TOP CHORD A-B = -2393, B-C = -2192, C-D = -2065, D-E = -2103, E-F = -1437, F-G = -1678, H-O = -1265,  
G-H = -1189  
BOT CHORD A-N = 2091, M-N = 91, L-M = 0, K-M = 62, D-K = -14, J-K = 2101, I-J = 2101, H-I = 186  
WEBS B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346,  
G-I = 1275

#### NOTES

- 1) This truss has been checked for unbalanced loading conditions.
- 2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) O considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 389 lb uplift at joint A and 314 lb uplift at joint O.



May 2, 2003

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509192
L45316	T05	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBER 20 HOLDING CO. Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:55 2003 Page 1

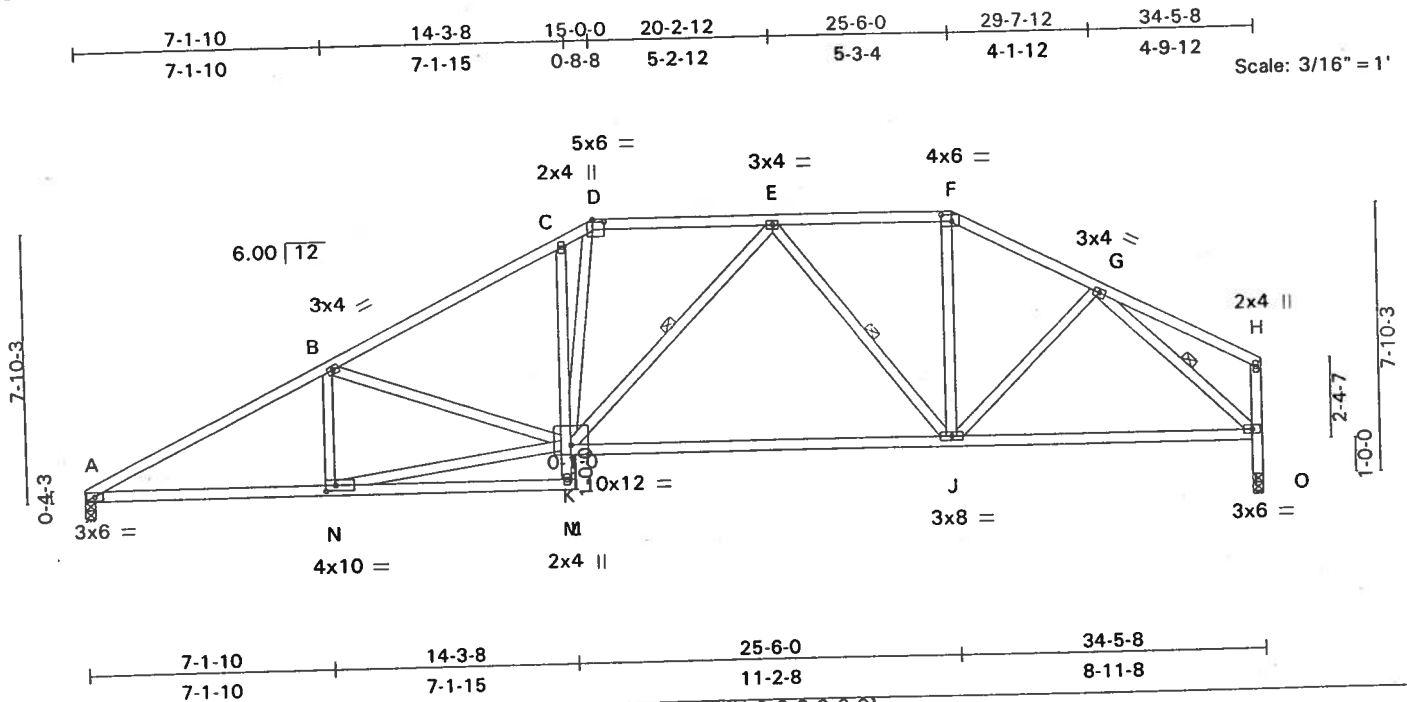


Plate Offsets (X,Y): [D:0-4-0,0-1-0], [F:0-3-8,0-2-4], [K:0-6-0,0-3-4], [N:0-3-8,0-2-0]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl
TCLL 20.0	Plates Increase	1.25	TC 0.35	Vert(LL)	0.14	J-K	>999
TCDL 7.0	Lumber Increase	1.25	BC 0.56	Vert(TL)	-0.42	J-K	>968
BCLL 0.0	Rep Stress Incr	YES	WB 0.66	Horz(TL)	0.10	O	n/a
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl = 240		Weight: 208 lb	

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2D  
BOT CHORD 2 X 4 SYP No.2D  
WEBS 2 X 4 SYP No.3 \*Except\*  
H-O 2 X 4 SYP No.2D

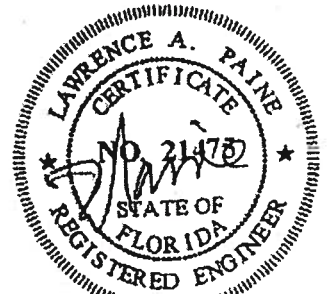
**BRACING**  
TOP CHORD Sheathed or 3-11-3 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
Except:  
1 Row at midpt C-K  
1 Row at midpt E-K, E-J, G-I

**REACTIONS** (lb/size) A=1267/0-3-8, O=1266/0-3-8  
Max Horz A=203(load case 4)  
Max Uplift A=-377(load case 4), O=-289(load case 4)

**FORCES** (lb) - First Load Case Only  
TOP CHORD A-B=-2381, B-C=-2061, C-D=-1997, D-E=-1667, E-F=-1322, F-G=-1516, G-H=-174,  
I-O=-1266, H-I=-185  
BOT CHORD A-N=2050, M-N=21, L-M=0, K-M=77, C-K=-213, J-K=1597, I-J=1136  
WEBS B-N=-134, K-N=2049, B-K=-307, D-K=734, E-K=102, E-J=-447, F-J=389, G-J=251,  
G-I=-1440

#### NOTES

- 1) This truss has been checked for unbalanced loading conditions.
- 2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) O considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint A and 289 lb uplift at joint O.



May 2, 2003

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES.
L45316	T06	ROOF TRUSS	1	1	(optional)

A509193

Builder's FirstSource, Lake City, FL 32056, KIMBERLY HOLSINGER Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:57 2003 Page 1

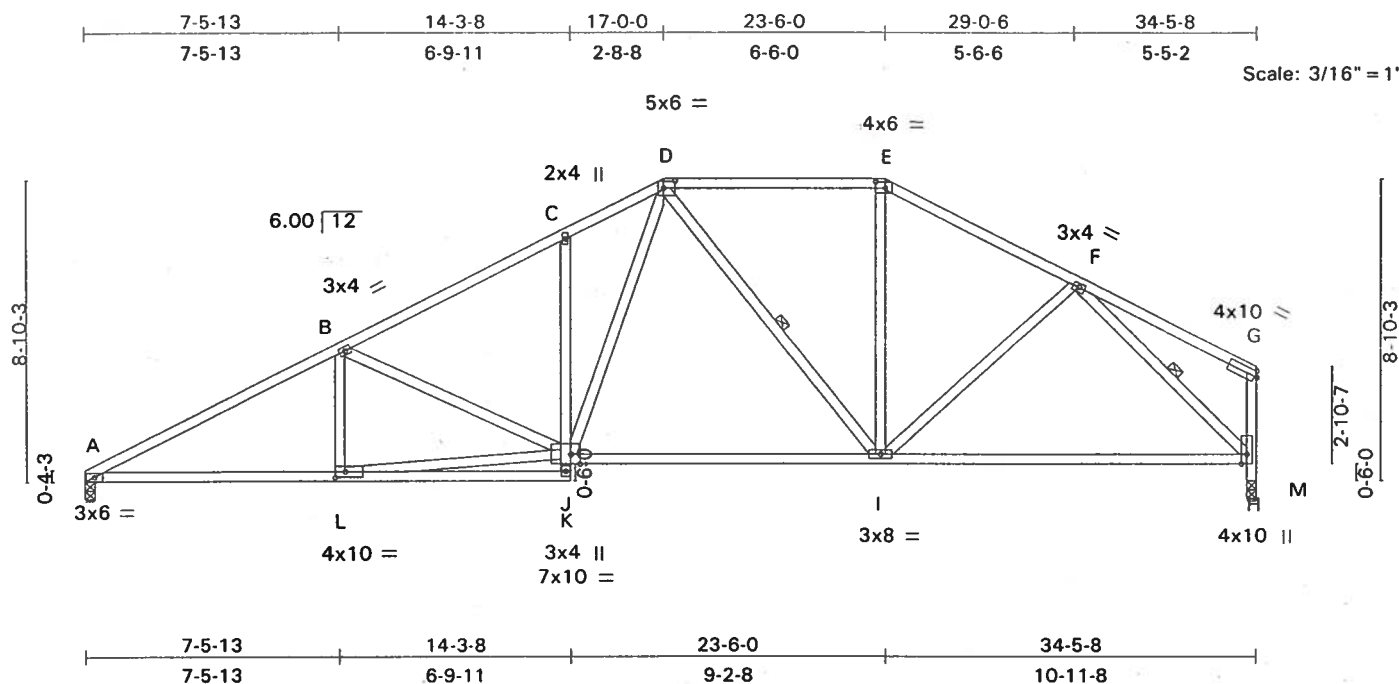


Plate Offsets (X,Y): [D:0-4-0,0-2-8], [E:0-3-8,0-2-4], [J:0-3-4,Edge], [L:0-3-8,0-2-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.38	Vert(LL) 0.13	I-J >999		MII20	249/190
TCDL 7.0	Lumber Increase	1.25	BC 0.58	Vert(TL) -0.27	I-J >999			
BCLL 0.0	Rep Stress Incr	YES	WB 0.55	Horz(TL) 0.09	M n/a			
BCDL 10.0	Code	FBC2001	(Matrix)	1st LC LL Min l/defl = 240			Weight: 208 lb	

**LUMBER**

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

**BRACING**

TOP CHORD Sheathed or 3-10-11 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 Except:  
 7-5-6 oc bracing: A-L.  
 1 Row at midpt C-J  
 WEBS 1 Row at midpt D-I, F-H

**REACTIONS (lb/size)** A=1264/0-3-8, M=1264/0-3-8  
 Max Horz A=222(load case 4)  
 Max Uplift A=-362(load case 4), M=-267(load case 4)

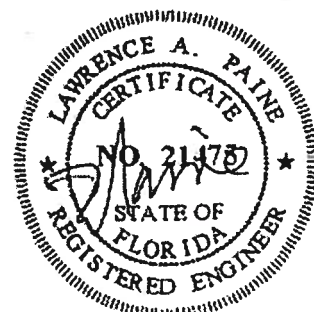
**FORCES (lb) - First Load Case Only**

TOP CHORD A-B=-2353, B-C=-1872, C-D=-1815, D-E=-1214, E-F=-1415, F-G=-196, H-M=-1264,  
 G-H=-203  
 BOT CHORD A-L=2022, K-L=315, J-K=73, C-J=-220, I-J=1348, H-I=1062  
 WEBS B-L=28, J-L=1712, B-J=-479, D-J=751, D-I=-216, E-I=256, F-I=198, F-H=-1342

**NOTES**

- This truss has been checked for unbalanced loading conditions.
- This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001. If end verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) M considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint A and 267 lb uplift at joint M.

**LOAD CASE(S)** Standard



May 2, 2003