

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)

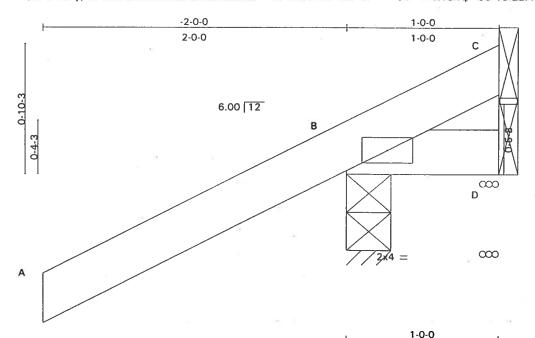
All testing was performed by Florida State certified independent labs.

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

TAMKO Roofing Products, Inc.

Job	Truss	Truss Type	Oty	Ply	NORTON BLDG SCAFF RES.
L45316	CJ1	ROOF TRUSS	14	1	A509179
	L		100	100	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLLBWAGCt 17 2001 MiTek Industries, Inc.: Wed Apr 30 13:22:40 2003 Page 1



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

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

Sheathed or 1-0-0 oc purlins.

BRACING TOP CHORD BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

(lb/size) C = -90/Mechanical, B = 261/0-3-8, D = 10/Mechanical Max Horz B = 73(load case 4)

Max UpliftC = -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

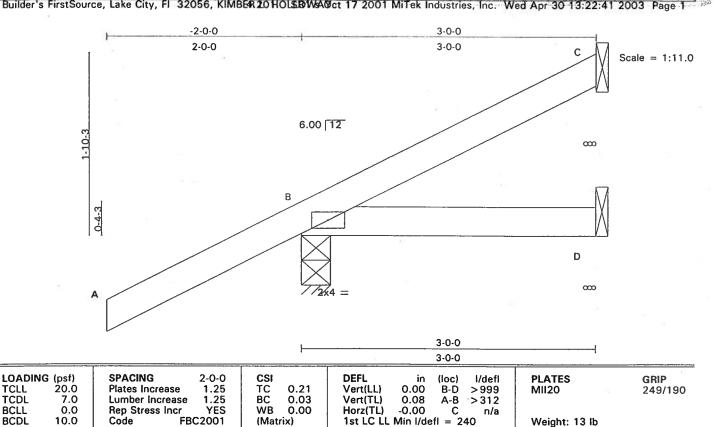
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 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



Scale = 1:7.1

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	8
L45316	СЛЗ .	ROOF TRUSS	14	11000	A509180	Language State
D. Helen's First	Causes Lake City El	22056 VIMPER 20 UO EDIMANO: 17 200	A RATE	a film	(optional)	100



**LUMBER** 

**TCLL** 

TCDL

BCLL

**BCDL** 

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

**BRACING** 

TOP CHORD BOT CHORD Sheathed or 3-0-0 oc purlins.

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

REACTIONS (lb/size) C = 31/Mechanical, B = 264/0-3-8, D = 28/Mechanical Max Horz B = 98(load case 4)

Max UpliftC = -56(load case 5), B = -197(load case 4), D = -20(load case 2)

FORCES (Ib) - First Load Case Only TOP CHORD A-B = 47, B-C = -57 BOT CHORD B-D = 0

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint C, 197 lb uplift at joint B and 20 lb uplift at joint D.



	Job	Truss	Truss Type	Qty	Ply	NORTON BLDG SCAFF RES.	,
	L45316	CJ5	ROOF TRUSS	8	1	A509181	A SHEET
3	Builder's First	Source, Lake City, Fl	32056, KIMBER 20 HOLS BWAG ct 17 200	1 MiT	ek Indus	tries, Inc. Wed Apr 30 13:22:41 2003 Page 1	H

-2-0-0 5-0-0 2-0-0 5-0-0 С Scale = 1:14.9മ 6.00 12 0-4-3 D 000 5-0-0 5-0-0 LOADING (psf) SPACING DEFL **PLATES GRIP** (loc) I/defl 1.25 1.25 TC BC 20.0 0.03 Plates Increase Vert(LL) B-D >999 MII20 249/190 Vert(TL) Horz(TL) 0.09 7.0 Lumber Increase 0.09 A-B > 287 0.0 YES WB 0.00 C Rep Stress Incr n/a

LUMBER

TCDL

BCLL BCDL

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

Code

10.0

**BRACING** 

1st LC LL Min I/defl = 240

Sheathed or 5-0-0 oc purlins.

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

Weight: 19 lb

REACTIONS (lb/size) C = 103/Mechanical, B = 319/0-3-8, D = 48/Mechanical Max Horz B = 130(load case 5) Max UpliftC = -106(load case 5), 8 = -197(load case 4), D = -34(load case 2)

FBC2001

FORCES (lb) - First Load Case Only TOP CHORD A-B=47, B-C=36 BOT CHORD B-D=0

1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level verticals exist, the left is exposed and the right is not exposed. If cantilevers exist, they are not exposed to wind. If porces exist, they are exposed to wind. If porces 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 106 lb uplift

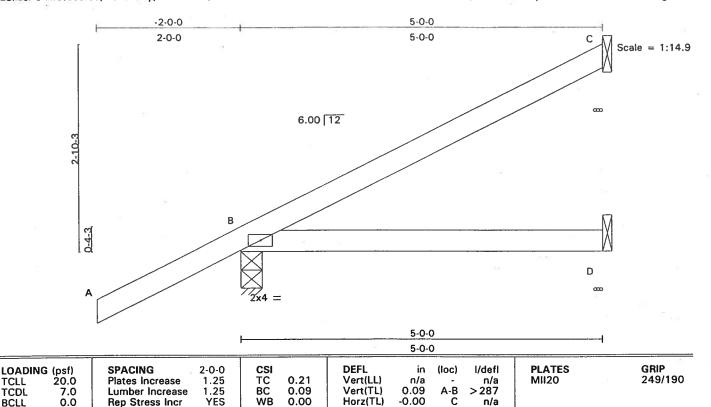
(Matrix)

at joint C, 197 lb uplift at joint B and 34 lb uplift at joint D.



	Job	Truss	Truss Type	Qty Ply NORTON BLDG. SCAFF RES.	•
4	L45316	EJ5	ROOF TRUSS	10 1 A509182	
	D. Harris Elect	Carrage Lake City E	320E6 VIMPER 30 HOLERIMANO 17 200	(optional)	3

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**LUMBER** 

TCLL TCDL BCLL

**BCDL** 

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

10.0

BRACING TOP CHORD BOT CHORD

1st LC LL Min I/defl = 240

Sheathed or 5-0-0 oc purlins.

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

Weight: 19 lb

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

FBC2001

Code

Max UpliftC = -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

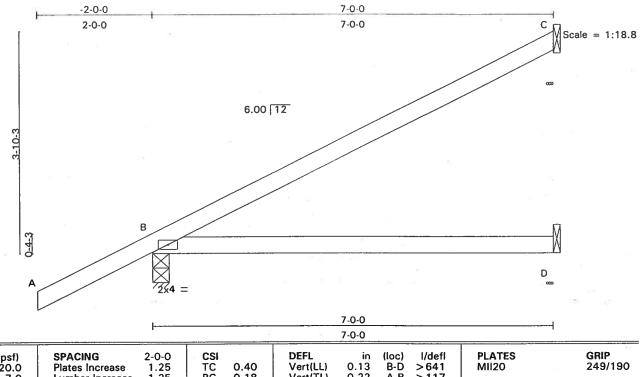
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 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.

(Matrix)



	Job	Truss	Truss Type	Oty	Ply	NORTON BLDG SCAFF RES.	t
1	L45316	EJ7	ROOF TRUSS	25	1	A509183	12/25
	6 13 1 Fine	Causes Lake City El	220EE VINADED 20 HOLEDINAMING 17 200	A MAIT	k ladus	trion Inc. Work Apr 20-12-22-42 2003 Page 1	3

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

LUMBER

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

TOP CHORD BOT CHORD

Sheathed or 6-0-0 oc purlins.

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 UpliftC = -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

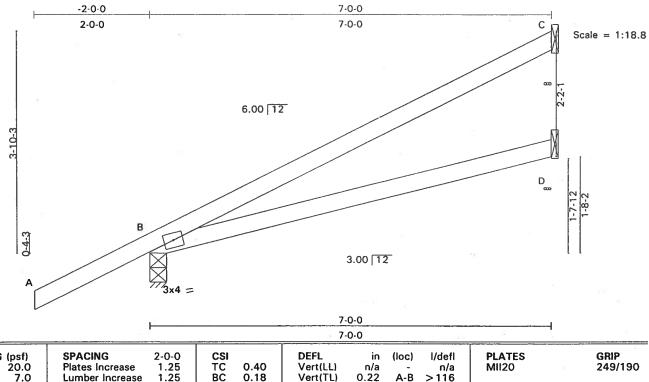
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 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 153 lb uplift at joint C, 211 lb uplift at joint B and 48 lb uplift at joint D.



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG SCAFF RES.	1
L45316	EJ7A	ROOF TRUSS	10	1,000	(optional)	ASSES

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TCLL TCDL	20.0 7.0 0.0	Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES	TC 0.40 BC 0.18 WB 0.00	Vert(LL) n/a - n/a Vert(TL) 0.22 A-B > 116 Horz(TL) -0.00 C n/a	MII20 249/190
BCLL BCDL	10.0	Code FBC2001	(Matrix)	1st LC LL Min I/defl = 240	Weight: 26 lb
LUMBER	}			BRACING	

**LUMBER** 

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

TOP CHORD BOT CHORD

Sheathed or 6-0-0 oc purlins.

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 UpliftC = -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

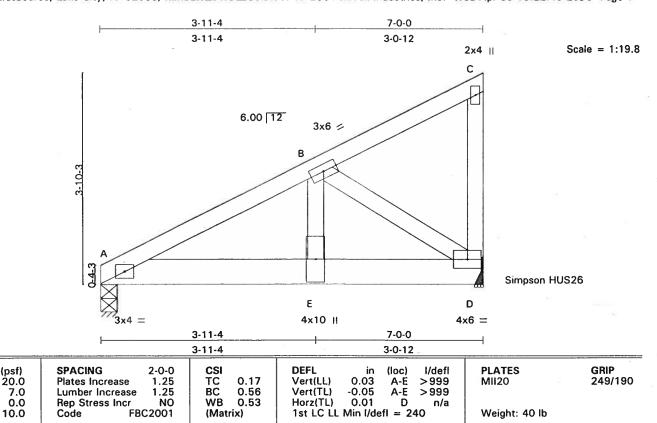
# **NOTES**

- 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.



Job	Truss	Truss Type	Qty	Ply	NORTON BLDG SCAFF RES.
L45316	EJ7B	MONO TRUSS	1.74	1	(optional)

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**BRACING** 

TOP CHORD BOT CHORD

**LUMBER** 

TCLL TCDL

**BCLL** 

**BCDL** 

LOADING (psf)

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

**WEBS** 

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

Max UpliftA = -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

B-E = 1649, B-D = -1908WEBS

## 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 490 lb uplift

at joint A and 555 lb uplift at joint D.

LOAD CASE(S) Standard

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

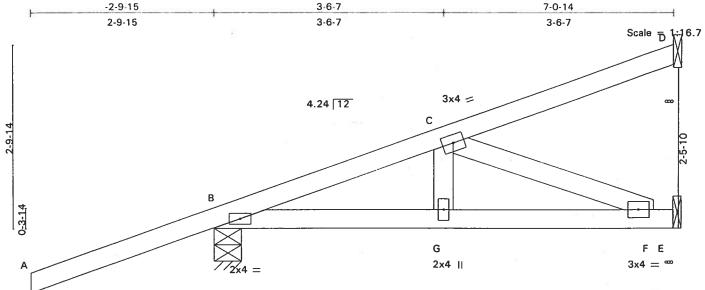
Uniform Loads (plf) Vert: A-D = -416.0, A-C = -54.0



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

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.
L45316	HJ7	ROOF TRUSS	3	4	A509186
	C - 1-1-0'- F	220FC VIMPER AND INDIVIDUAL 17 AND		4.1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLS BWA Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:47 2003 Page 1 -2-9-15 3-6-7 7-0-14



		<del></del>	3-6-		-	3-6-7	<del></del>
TCDL BCLL	(psf) 20.0 7.0 0.0 10.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2001	CSI TC 0.47 BC 0.12 WB 0.06 (Matrix)	DEFL in Vert(LL) 0.00 Vert(TL) 0.28 Horz(TL) 0.00 1st LC LL Min I/de	(loc) I/defl G >999 A-B >132 E n/a efl = 240	PLATES Mfi2O Weight: 33 lb	GRIP 249/190

**LUMBER** 

2 X 4 SYP No.2D 2 X 4 SYP No.2D 2 X 4 SYP No.3

TOP CHORD BOT CHORD WEBS

**BRACING** 

TOP CHORD BOT CHORD Sheathed or 6-0-0 oc purlins.

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 UpliftD =-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

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 102 lb uplift at joint D, 212 lb uplift at joint B and 3 lb uplift at joint E.

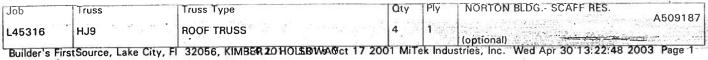
LOAD CASE(S) Standard

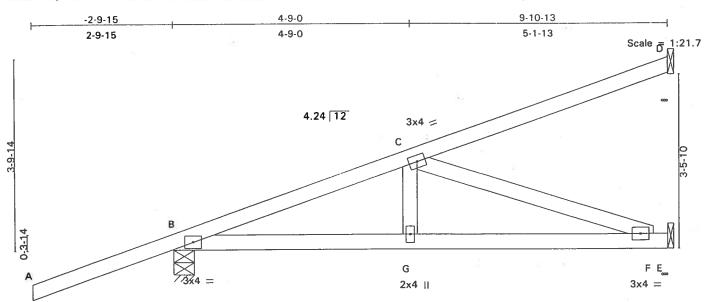
1) Regular: Lumber Increase = 1.25, Plate Increase = 1.25 Uniform Loads (plf) Vert: A-B = -54.0

Trapezoidal Loads (plf)

Vert: B = -2.8 - to - D = -95.5, B = -0.0 - to - E = -35.4







		4-9-0				
		4-9-0	Th.			
LOADING (psf) TCLL 20.0 Plates Increase TCDL 7.0 Lumber Increase BCLL 0.0 Rep Stress Incr BCDL 10.0 Code F	2-0-0 1.25 1.25 NO BC2001	CSI TC 0.47 BC 0.36 WB 0.34 (Matrix)	DEFL Vert(LL) Vert(TL) Horz(TL) 1st LC LL I	in (loc) I/defl 0.06 F-G >999 0.20 A-B >182 0.01 E n/a Min I/defl = 240	PLATES MII20 Weight: 44 lb	<b>GRIP</b> 249/190

LUMBER

2 X 4 SYP No.2D 2 X 4 SYP No.2D

TOP CHORD BOT CHORD

2 X 4 SYP No.3

**BRACING** 

TOP CHORD BOT CHORD Sheathed or 6-0-0 oc purlins. 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 UpliftD = -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

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 200 lb uplift at joint D, 342 lb uplift at joint B and 157 lb uplift at joint E.

LOAD CASE(S) Standard

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

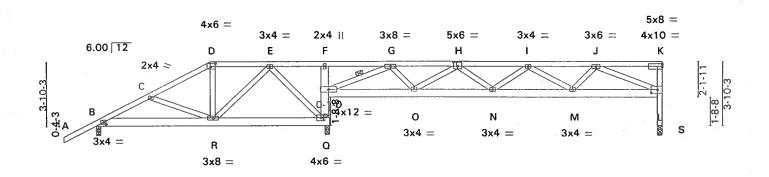
Uniform Loads (plf)

Vert: A-B = -54.0

Trapezoidal Loads (plf)
Vert: B = -2.8-to-D = -133.6, B = -0.0-to-E = -49.5



Job	Truss	Truss Type			Qty	Ply NOF	TON BEDG. S	CAFF RES.	A509188
L45316	T01	ROOF TRUS	SS		1.7	1 (opti	onal)	<del> </del>	A000100
Builder's Firs	tSource, Lake C	ty, Fl 32056, KI	MBER 20 HO	LSBWAØct 1	7 2001 MiTe	ek Industries,	Inc. Wed Apr	30 13:22:49	2003 Page 1
-2-0-0	3-4-3 7-0	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



		7-0-0	14-0-0	14:5-0	19-4-13	24-2-4		20-11-12	34-5-6	
		7-0-0	7-0-0	0-3-8	5-1-4	4-9-7	'	4-9-8	5-5-12	
Plate O	ffsets (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	]			
LOADIN TCLL TCDL BCLL	IG (psf) 20.0 7.0 0.0	SPACING Plates Increase Lumber Increase Rep Stress Incr	2-0-0 1.25 1.25 NO	CSI TC 0.66 BC 0.94 WB 0.92	Vert(T	L) -0.26	(loc) N N S	l/defl >999 >923 n/a	PLATES MII20	GRIP 249/190
BCDL	10.0	Code FB	C2001	(Matrix)	1st LC	LL Min I/de	efl = 2	40	Weight: 207 lb	
LUMBEI	R	I			BRAC	ING				

WFRS

14.3.9 10.4.13

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

**WEBS** 2 X 4 SYP No.2D **OTHERS** 

700

**TOP CHORD** Sheathed or 3-1-14 oc purlins. **BOT CHORD** 

24.2.4

Rigid ceiling directly applied or 6-6-10 oc bracing. 1 Row at midpt G-P

24 5 0

29.11.12

**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 UpliftS = -617(load case 2), B = -550(load case 4), Q = -1514(load case 4)

1400

L-M = 2600

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

**WEBS** 

1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level ruis russ has been designed for the white loads generated by 1 for high white at 1 to 1 to 2 for the left is exposed 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) S 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 617 lb uplift at joint S, 550 lb uplift at joint B and 1514 lb uplift at joint Q.

  5) 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)

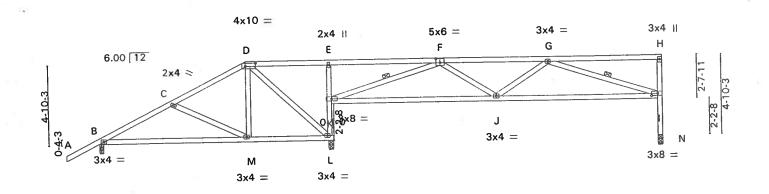
Vert: A-D=-54.0, D-K=-117.6, B-R=-20.0, Q-R=-43.5, L-P=-43.5

Continued on page 2

Job Truss Type Oty Ply NORTON BLOG. SCAFF RES.	
L45316 T01 ROOF TRUSS 1 1 (optional)	A509188

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

Job	Truss	Truss T	уре	Qt	y Ply	NORTON BL	DG SCAFF RES.	A509189
L45316	T02	ROOF		i	1	(optional)		rebost:
Builder's F	irstSource, Lake	City, Fl 32056	, KIMBER 20 HOL	\$BWAGct 17 2001	MiTek Indi	ustries, Inc. We	ed Apr 30 13:22:	51 2003 Page 1
2-0-	o. 4-6-10 ,	9-0-0	14-3-8	20-10-13	2	7-5-11	34-5-8	
2-0-0	+	4-5-6	5-3-8	6-7-5	· (	6-6-15	6-11-13	Scale = 1:65.9



l	9-0-0	14-0-0	14[3-8	24-3-15	+		34-5-8 10-1-9	
Dista Offsets IV	9-0-0 /): [D:0-7-8,0-2-4], [F:0	5-0-0 -3-0.0-3-0],	0-3-8 [I:0-4-8,0-1	10-0-7 -8]			10-1-9	
LOADING (psf) TCLL 20.0	SPACING 2- Plates Increase 1	-0-0 CS -25 TC	31 C 0.39	DEFL in Vert(LL) 0.15 Vert(TL) -0.20	(loc) B-M I-J	l/defl >999 >999	PLATES MII20	GRIP 249/190
TCDL 7.0 BCLL 0.0 BCDL 10.0		YES W	7.1.2.2	Horz(TL) 0.06 1st LC LL Min I/d	efl = 2	n/a 240	Weight: 176 lb	
				BRACING				

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

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

34-5-8

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 UpliftN = -246(load case 4), B = -430(load case 4), L = -611(load case 4)

FORCES (Ib) - 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** 

WEBS

B-M = 564, L-M = 317, K-L = -937, E-K = -350, J-K = 1315, I-J = 1409 C-M = -283, D-M = 296, D-L = -568, F-K = -1475, F-J = 225, G-J = 114, G-I = -1327

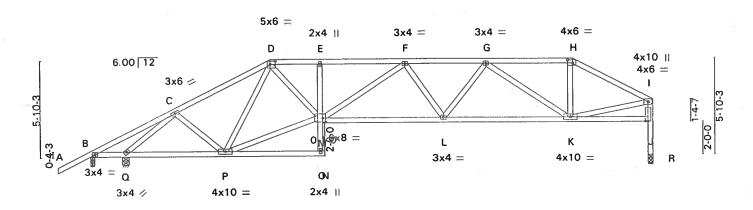
- 1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 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 verticals exist, the left is exposed and the right is not exposed. It cantilevers exist, they are not expose 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.

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.

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Job	Truss	Truss Type			Qty	Ply	NORTON BLDG SCA	FF RES.	A509190
L45316	тоз	ROOF TRUSS		. 4.75	1.7	150	(optional)		·
Builder's First	Source, Lake City, F	1 32056, KIMI	3E4R 2.0 HOLS	131WsA@ct 17 20	001 MiTe	k Indu	stries, Inc. Wed Apr 30	13:22:5	2 2003 Page 1
,-2-0-0,	5-2-7	11-0-0	14-3-8	19-2-15	24-2	-1	29-6-0	34-5-8	
2-0-0	5-2-7	5-9-9	3-3-8	4-11-7	4-11	-2	5-3-15	4-11-8	Scale = 1:66.2



. 2-	-2-4	8-2-10	14-3-0		21-0-11		۷.	3-0-0	07-0-0	
2-	-2-4	6-0-6	6-0-14		7-3-3	'	7-	-11-5	4-11-8	
Plate Offsets (	(X,Y):	[D:0-4-0,0-2-8], [H:0-3	-8,0-2-4], [M:	0-2-4,0-3	3-0]					
LOADING (psf TCLL 20.1 TCDL 7.1 BCLL 0.1	.0	SPACING 2-0- Plates Increase 1.2 Lumber Increase 1.2 Rep Stress Incr	5 TC 5 BC S WB	0.39 0.57 0.77	DEFL Vert(LL) Vert(TL) Horz(TL) 1st LC LL	in 0.17 -0.31 0.15	(loc) L-M L-M R	I/defI > 999 > 999 n/a	PLATES MII20 Weight: 199 lb	<b>GRIP</b> 249/190
BCDL 10.	.0	Code FBC200	1 (Matrix	•	BRACING		:11 - 2		Weight. 100 lb	

TOP CHORD BOT CHORD

21-6-11

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

**WEBS** 

**OTHERS** 2 X 4 SYP No.2D

**REACTIONS** (lb/size) B = -161/0 - 3 - 0, Q = 1637/0 - 4 - 15, R = 1174/0 - 3 - 8

Max Horz Q = 225(load case 4)

Max UpliftB=-322(load case 7), Q=-480(load case 4), R=-314(load case 4) Max Grav B=37(load case 3), Q=1637(load case 1), R=1174(load case 1)

1/20

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=144C-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 **WEBS** 

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.

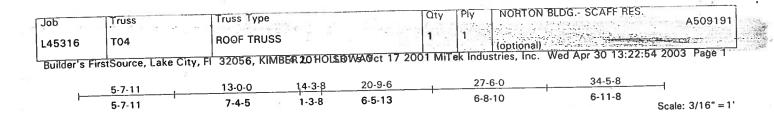


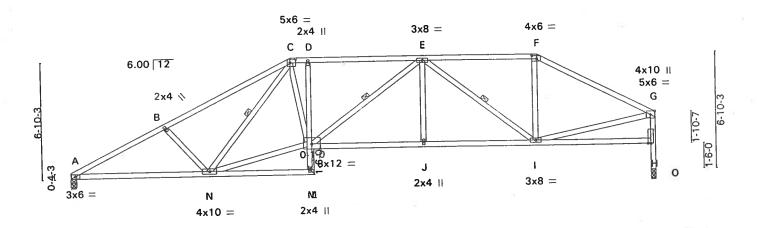
34-5-8

29.6.0

Sheathed or 4-0-9 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.





1	8-1-15	14-3-8	20	20-9-6		6-0	34-5-6	
8-1-15		6-1-9		6-5-13		·10	6-11-8	
LOADING (psf) TCLL 20.0	SPACING Plates Increase	2-0-0 1.25	CSI TC 0.41 BC 0.48	DEFL Vert(LL) Vert(TL)	0.14 J	oc) I/defl J-K >999 I-K >999	PLATES MII20	GRIP 249/190
TCDL 7.0 BCLL 0.0 BCDL 10.0	Lumber Increase Rep Stress Incr Code FE	1.25 YES 3C2001	WB 0.61 (Matrix)	Horz(TL)	0.11 Min I/defl	O n/a = 240	Weight: 201 lb	

**WEBS** 

20-9-6

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

**BRACING** TOP CHORD BOT CHORD Except:

27-6-0

Sheathed or 3-11-12 oc purlins. Rigid ceiling directly applied or 7-3-1 oc bracing.

1 Row at midpt 1 Row at midot

C-N, E-K, E-I

34-5-8

**REACTIONS** (lb/size) A = 1266/0-4-3, O = 1265/0-3-8

Max Horz A = 184(load case 4) Max UpliftA = -389(load case 4), O = -314(load case 4)

FORCES (lb) - First Load Case Only

A.B. = -2393, B-C = -2192, C-D = -2065, D-E = -2103, E-F = -1437, F-G = -1678, H-O = -1265, TOP CHORD

G-H = -1189

A-N = 2091, M-N = 91, L-M = 0, K-M = 62, D-K = -14, J-K = 2101, I-J = 2101, H-I = 186 B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, K-N = 1904, C-K = 610, E-K = 3, E-J = 141, E-I = -838, F-I = 346, B-N = -315, C-N = -95, C-

**BOT CHORD** WEBS

NOTES

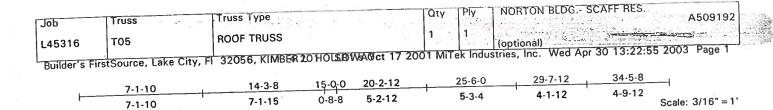
1) This truss has been checked for unbalanced loading conditions.

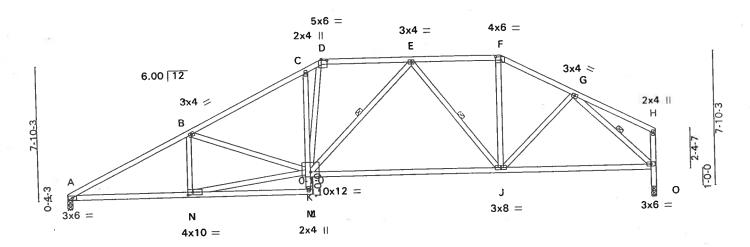
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 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 or in increase is 1.60. 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.







7-1-10		14-3-8		25-6-0		+	34-5-0	
7	7-1-10			11-2-8			8-11-8	
Plate Offsets (X,Y)	: [D:0-4-0,0-1-0],	[F:0-3-8,0-	2-4], [K:0-6-0,0-3	3-4], [N:0-3-8,0	)-2-0]			
LOADING (psf) TCLL 20.0	SPACING Plates Increase	2-0-0 1.25	CSI TC 0.35 BC 0.56	DEFL Vert(LL)	in (loc) 0.14 J-K -0.42 J-K	1/defl > 999 > 968	PLATES MII20	<b>GRIP</b> 249/190
TCDL 7.0 BCLL 0.0 BCDL 10.0	Lumber Increas Rep Stress Incr Code	- ::	WB 0.66 (Matrix)	Horz(TL)	0.10 O //in I/defl = 24	n/a 40	Weight: 208 lb	

25-6-0

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

**BRACING** Sheathed or 3-11-3 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing. TOP CHORD BOT CHORD Except:

C-K E-K, E-J, G-I Row at midpt **WEBS** 1 Row at midpt

34-5-8

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

WEBS

**NOTES** 1) This truss has been checked for unbalanced loading conditions.

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 or in increase is 1.60. grip increase is 1.60
3) Provide adequate drainage to prevent water ponding.

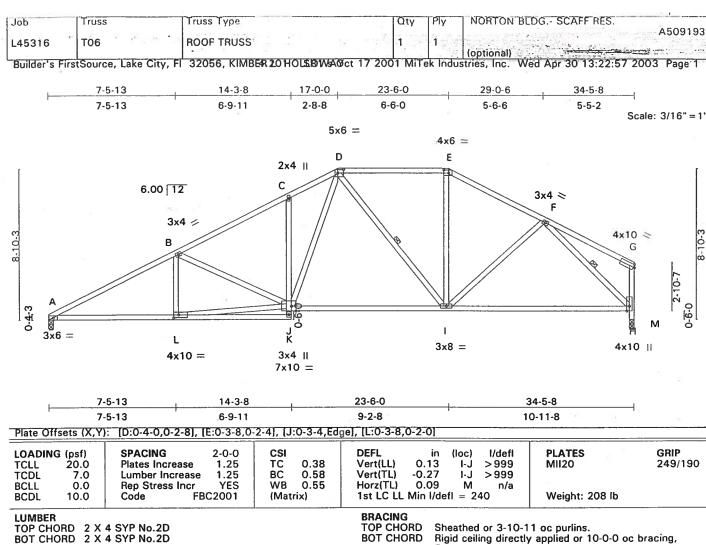
4) Bearing at joint(s) O considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula.

Building designer should verify capacity of bearing surface.

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 inject A and 280 lb uplift at inject A. at joint A and 289 lb uplift at joint O.





X 4 SYP No.3 WEBS **OTHERS** 2 X 4 SYP No.2D

Except:

**WEBS** 

7-5-6 oc bracing: A-L.

1 Row at midpt D-I. F-H 1 Row at midpt

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

Max UpliftA = -362(load case 4), M = -267(load case 4)

FORCES (Ib) - 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**

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) M 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 362 lb uplift at joint A and 267 lb uplift at joint M.

