ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Richard & Rena Scaff, , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 35.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3	b.	N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2386 ft²	c.	N/A	
7.	Glass area & type				
a.	Clear - single pane	0.0 ft²	13.	Heating systems	
b.	Clear - double pane	261.0 ft²	a.	Electric Heat Pump	Cap: 40.0 kBtu/hr
c.	Tint/other SHGC - single pane	0.0 ft²			HSPF: 6.80
d.	Tint/other SHGC - double pane	0.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 284.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=11.0, 1590.0 ft²			EF: 0.89
b.	Frame, Wood, Adjacent	R=11.0, 344.2 ft²	b.	N/A	
c.	N/A				
d.	N/A		c.	Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2478.0 ft²	15.	HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 220.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

EnergyGauge® (Version: FLR1PB v3.22)

Residential System Sizing Calculation

Summary

Richard & Rena Scaff

, FL

Project Title:
302132ScaffRes.

Class 3 Rating
Registration No. 0
Climate: North

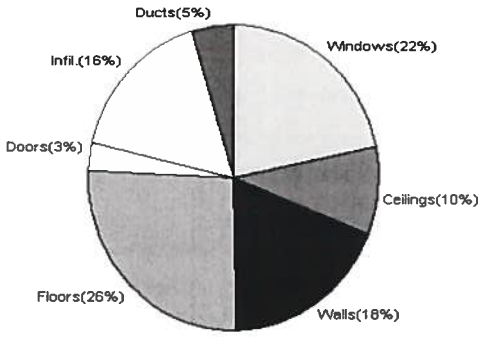
3/28/2003

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**33872**	**Btuh**	**Total cooling load calculation**	**29516**	**Btuh**
Submitted heating capacity	40000	Btuh	Submitted cooling capacity	35000	Btuh
Submitted as % of calculated	118.1	%	Submitted as % of calculated	118.6	%

WINTER CALCULATIONS

Winter Heating Load (for 2386 sqft)

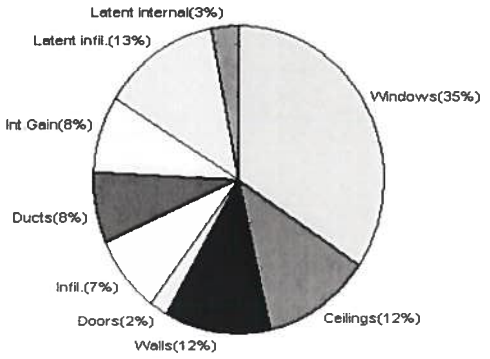
Load component			Load	
Window total	261	sqft	7387	Btuh
Wall total	1934	sqft	6185	Btuh
Door total	65	sqft	1022	Btuh
Ceiling total	2478	sqft	3221	Btuh
Floor total	284	ft	8974	Btuh
Infiltration	128	cfm	5470	Btuh
Subtotal			**32259**	**Btuh**
Duct loss			1613	Btuh
TOTAL HEAT LOSS			**33872**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2386 sqft)

Load component			Load	
Window total	261	sqft	10211	Btuh
Wall total	1934	sqft	3477	Btuh
Door total	65	sqft	663	Btuh
Ceiling total	2478	sqft	3519	Btuh
Floor total			0	Btuh
Infiltration	112	cfm	2209	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**22479**	**Btuh**
Duct gain			2248	Btuh
Total sensible gain			**24727**	**Btuh**
Latent gain(infiltration)			3869	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**4789**	**Btuh**
TOTAL HEAT GAIN			**29516**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Evan B. Saunders
DATE: 28 Mar. 03

System Sizing Calculations - Winter

Residential Load - Component Details

Richard & Rena Scaff
, FL

Project Title:
302132ScaffRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

3/28/2003

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
2	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	E	12.0	28.3	340 Btuh
4	2, Clear, Metal, DEF	S	6.3	28.3	177 Btuh
5	2, Clear, Metal, DEF	S	40.0	28.3	1132 Btuh
6	2, Clear, Metal, DEF	S	28.7	28.3	811 Btuh
7	2, Clear, Metal, DEF	S	21.5	28.3	608 Btuh
8	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
9	2, Clear, Metal, DEF	W	60.0	28.3	1698 Btuh
10	2, Clear, Metal, DEF	W	33.6	28.3	951 Btuh
11	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
	Window Total		261		7387 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1590	3.5	5565 Btuh
2	Frame - Adjacent	11.0	344	1.8	620 Btuh
	Wall Total		1934		6185 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		26	18.3	473 Btuh
2	Insulated - Exter		20	18.3	363 Btuh
3	Insulated - Adjac		20	9.4	186 Btuh
	Door Total		65		1022Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2478	1.3	3221 Btuh
	Ceiling Total		2478		3221Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	284.0 ft(p)	31.6	8974 Btuh
	Floor Total		284		8974 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	19088(sqft)	128	5470 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			128	5470 Btuh

Totals for Heating	**Subtotal**	**32259 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1613 Btuh**
	Total Btuh Loss	**33872 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Richard & Rena Scaff
, FL

Project Title:
302132ScaffRes.

Class 3 Rating
Registration No. 0
Climate: North

3/28/2003

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Richard & Rena Scaff
, FL

Project Title:
302132ScaffRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 3/28/2003

Window	Type Panes/SHGC/U/InSh/ExSh Ornt		Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	4.5	16.0	0.0	16.0	22	22	352	Btuh
2	2, Clear, DEF, N, N	E	1.5	5.5	15.0	0.0	15.0	22	72	1080	Btuh
3	2, Clear, DEF, N, N	E	1.5	3.5	12.0	4.2	7.8	22	72	655	Btuh
4	2, Clear, DEF, N, N	S	1.5	3.5	6.3	6.3	0.0	22	37	138	Btuh
5	2, Clear, DEF, N, N	S	1.5	11	40.0	30.6	9.4	22	37	1021	Btuh
6	2, Clear, DEF, N, N	S	1.5	7.66	28.7	14.3	14.3	22	37	846	Btuh
7	2, Clear, DEF, N, N	S	1.5	7.66	21.5	21.5	0.0	22	37	473	Btuh
8	2, Clear, DEF, N, N	S	4	7	12.0	12.0	0.0	22	37	264	Btuh
9	2, Clear, DEF, N, N	W	1.5	5.5	60.0	13.6	46.4	22	72	3641	Btuh
10	2, Clear, DEF, N, N	W	11.1	6.5	33.6	33.6	0.0	22	72	739	Btuh
11	2, Clear, DEF, N, N	W	1.5	4.5	16.0	3.0	13.0	22	72	1003	Btuh
	Window Total				261					10211	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	11.0	1590.0	1.9	3085	Btuh
2	Frame - Adjacent	11.0	344.2	1.1	392	Btuh
	Wall Total		1934.2		3477	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	25.8	10.1	262	Btuh
2	Insulated - Exter	19.8	10.1	201	Btuh
3	Insulated - Adjac	19.8	10.1	201	Btuh
	Door Total	65.4		663	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2478.0	1.4	3519	Btuh
	Ceiling Total		2478.0		3519	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	284.0 ft(p)	0.0	0	Btuh
	Floor Total		284.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	19088	111.6	2209	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			112	2209	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		4	X	300	+	1200	2400	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Richard & Rena Scaff
, FL

Project Title:
302132ScaffRes.

Class 3 Rating
Registration No. 0
Climate: North

3/28/2003

Totals for Cooling	**Subtotal**	**22479**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**2248**	**Btuh**
	Total sensible gain	**24727**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3869**	**Btuh**
	Latent occupant gain (4 people @ 230 Btuh per person)	**920**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**29516**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,**	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**302132ScaffRes.**	Builder:	
Address:		Permitting Office:	
City, State:	**, FL**	Permit Number:	
Owner:	**Richard & Rena Scaff**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 35.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2386 ft²	c. N/A	
7. Glass area & type			
a. Clear - single pane	0.0 ft²	13. Heating systems	
b. Clear - double pane	261.0 ft²	a. Electric Heat Pump	Cap: 40.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft²		HSPF: 6.80
d. Tint/other SHGC - double pane	0.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 284.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=11.0, 1590.0 ft²		EF: 0.89
b. Frame, Wood, Adjacent	R=11.0, 344.2 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 2478.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 220.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 32040
Total base points: 33143

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Evan Beamsley

DATE: 26 Mar. 03 Evan Beamsley

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points
.18 2386.0	20.04	8606.8

WALL TYPES	Area X	BSPM	= Points
Adjacent	344.2	0.70	240.9
Exterior	1590.0	1.70	2703.0
Base Total:	**1934.2**		**2943.9**

DOOR TYPES	Area X	BSPM	= Points
Adjacent	19.8	2.40	47.5
Exterior	45.6	6.10	278.2
Base Total:	**65.4**		**325.7**

CEILING TYPES	Area X	BSPM	= Points
Under Attic	2386.0	1.73	4127.8
Base Total:	**2386.0**		**4127.8**

FLOOR TYPES	Area X	BSPM	= Points
Slab	284.0(p)	-37.0	-10508.0
Raised	0.0	0.00	0.0
Base Total:			**-10508.0**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF = Points
Double, Clear	SW	1.5	4.5	16.0	38.46	0.80 495.4
Double, Clear	NW	1.5	5.5	15.0	25.46	0.91 348.2
Double, Clear	NW	1.5	3.5	12.0	25.46	0.82 250.6
Double, Clear	NE	1.5	3.5	6.3	28.72	0.80 143.8
Double, Clear	NE	1.5	11.0	40.0	28.72	0.99 1135.0
Double, Clear	NE	1.5	7.7	28.7	28.72	0.96 787.4
Double, Clear	NE	1.5	7.7	21.5	28.72	0.96 590.6
Double, Clear	NE	4.0	7.0	12.0	28.72	0.72 248.5
Double, Clear	SE	1.5	5.5	60.0	40.86	0.86 2110.9
Double, Clear	SE	11.2	6.5	33.6	40.86	0.41 568.4
Double, Clear	SE	1.5	4.5	16.0	40.86	0.80 524.7
As-Built Total:				**261.0**		**7203.5**

Type	R-Value	Area X	SPM =	Points
Frame, Wood, Exterior	11.0	1590.0	1.70	2703.0
Frame, Wood, Adjacent	11.0	344.2	0.70	240.9
As-Built Total:		**1934.2**		**2943.9**

Type	Area X	SPM =	Points
Exterior Insulated	25.8	4.10	105.8
Exterior Insulated	19.8	4.10	81.2
Adjacent Insulated	19.8	1.60	31.7
As-Built Total:	**65.4**		**218.6**

Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	30.0	2478.0	1.73 X 1.00	4286.9
As-Built Total:		**2478.0**		**4286.9**

Type	R-Value	Area X	SPM =	Points
Slab-On-Grade Edge Insulation	0.0	284.0(p	-41.20	-11700.8
As-Built Total:		**284.0**		**-11700.8**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,**	PERMIT #:

BASE					AS-BUILT						
INFILTRATION	Area X	BSPM	=	Points				Area X	SPM	=	Points
	2386.0	10.21		24361.1				2386.0	10.21		24361.1
Summer Base Points:				**29857.2**	**Summer As-Built Points:**						**27313.2**
Total Summer Points	X System Multiplier		=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
29857.2	**0.4266**			**12737.1**	27313.2 **27313.2**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.341 **0.341**	1.000 **1.000**		11654.7 **11654.7**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points
.18 2386.0	12.74	5471.6

WALL TYPES	Area X	BWPM	= Points
Adjacent	344.2	3.60	1239.1
Exterior	1590.0	3.70	5883.0
Base Total:	**1934.2**		**7122.1**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	19.8	11.50	227.7
Exterior	45.6	12.30	560.9
Base Total:	**65.4**		**788.6**

CEILING TYPES	Area X	BWPM	= Points
Under Attic	2386.0	2.05	4891.3
Base Total:	**2386.0**		**4891.3**

FLOOR TYPES	Area X	BWPM	= Points
Slab	284.0(p)	8.9	2527.6
Raised	0.0	0.00	0.0
Base Total:			**2527.6**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF = Points
Double, Clear	SW	1.5	4.5	16.0	7.17	1.11 127.7
Double, Clear	NW	1.5	5.5	15.0	14.03	1.00 211.3
Double, Clear	NW	1.5	3.5	12.0	14.03	1.01 170.1
Double, Clear	NE	1.5	3.5	6.3	13.40	1.02 85.4
Double, Clear	NE	1.5	11.0	40.0	13.40	1.00 535.5
Double, Clear	NE	1.5	7.7	28.7	13.40	1.00 385.0
Double, Clear	NE	1.5	7.7	21.5	13.40	1.00 288.8
Double, Clear	NE	4.0	7.0	12.0	13.40	1.03 165.4
Double, Clear	SE	1.5	5.5	60.0	5.33	1.11 356.6
Double, Clear	SE	11.2	6.5	33.6	5.33	2.41 431.1
Double, Clear	SE	1.5	4.5	16.0	5.33	1.18 100.3
As-Built Total:				**261.0**		**2857.0**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	11.0	1590.0	3.70	5883.0
Frame, Wood, Adjacent	11.0	344.2	3.60	1239.1
As-Built Total:		**1934.2**		**7122.1**

Type	Area X	WPM	= Points
Exterior Insulated	25.8	8.40	216.7
Exterior Insulated	19.8	8.40	166.3
Adjacent Insulated	19.8	8.00	158.4
As-Built Total:	**65.4**		**541.4**

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	2478.0	2.05 X 1.00	5079.9
As-Built Total:		**2478.0**		**5079.9**

Type	R-Value	Area X	WPM	= Points
Slab-On-Grade Edge Insulation	0.0	284.0(p	18.80	5339.2
As-Built Total:		**284.0**		**5339.2**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2746.00	8238.0		40.0	0.89	3	1.00	2715.15	1.00	8145.4	
				As-Built Total:						**8145.4**	

CODE COMPLIANCE STATUS

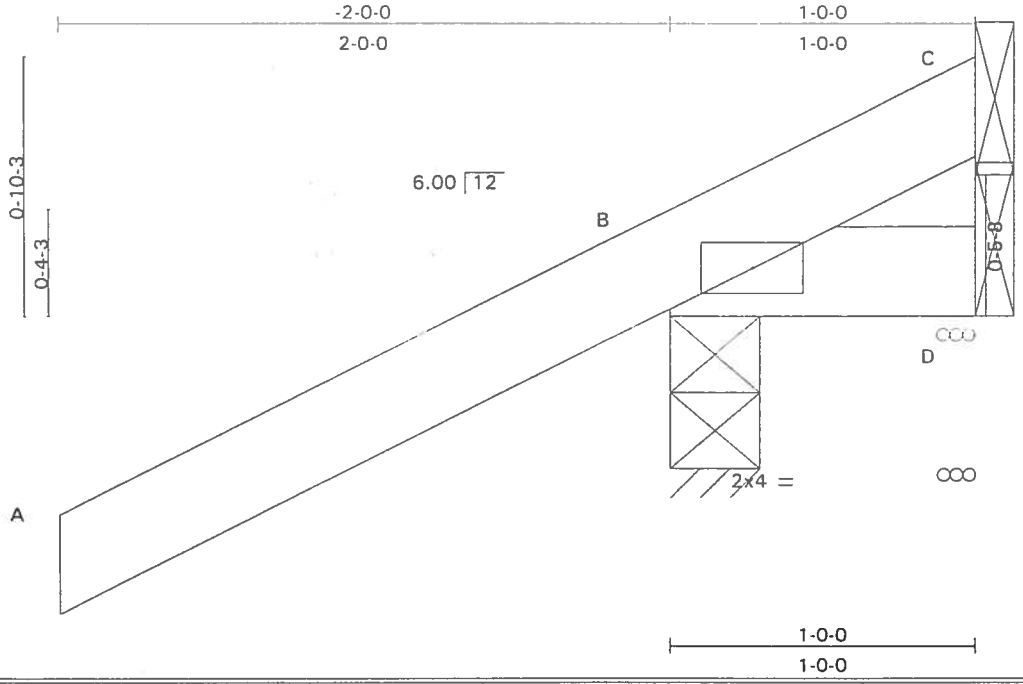
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
12737	**12167**	**8238**	**33143**	**11655**	**12240**	**8145**	**32040**

PASS

Scaff

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, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:40 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	0.19	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

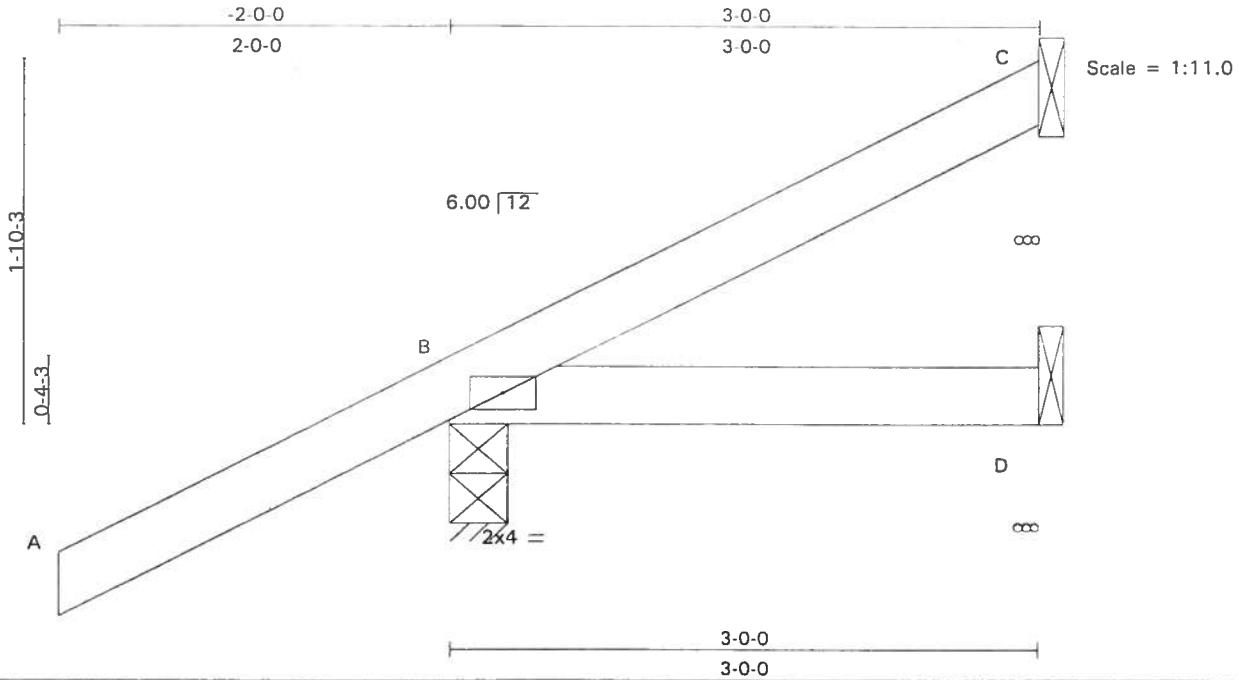
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per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

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509180
L45316	CJ3	ROOF TRUSS	14	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDOWS 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)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	0.00	B-D	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	0.08	A-B	>312		
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: 13 lb	

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

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins.
BOT CHORD 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 Uplift C=-56(load case 5), B=-197(load case 4), D=-20(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-57
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 56 lb uplift at joint C, 197 lb uplift at joint B and 20 lb uplift at joint D.

LOAD CASE(S) Standard

May 2,2003

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

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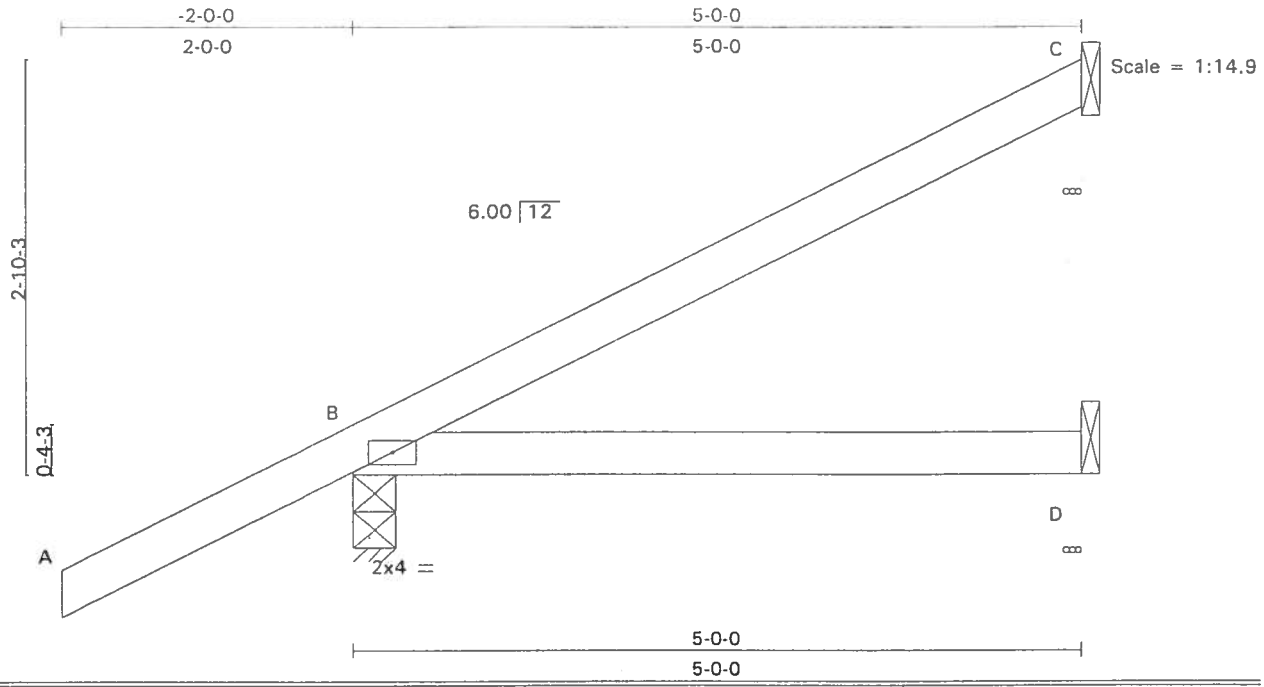


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	0.03	B-D	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.09	A-B	>287		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	C	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st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

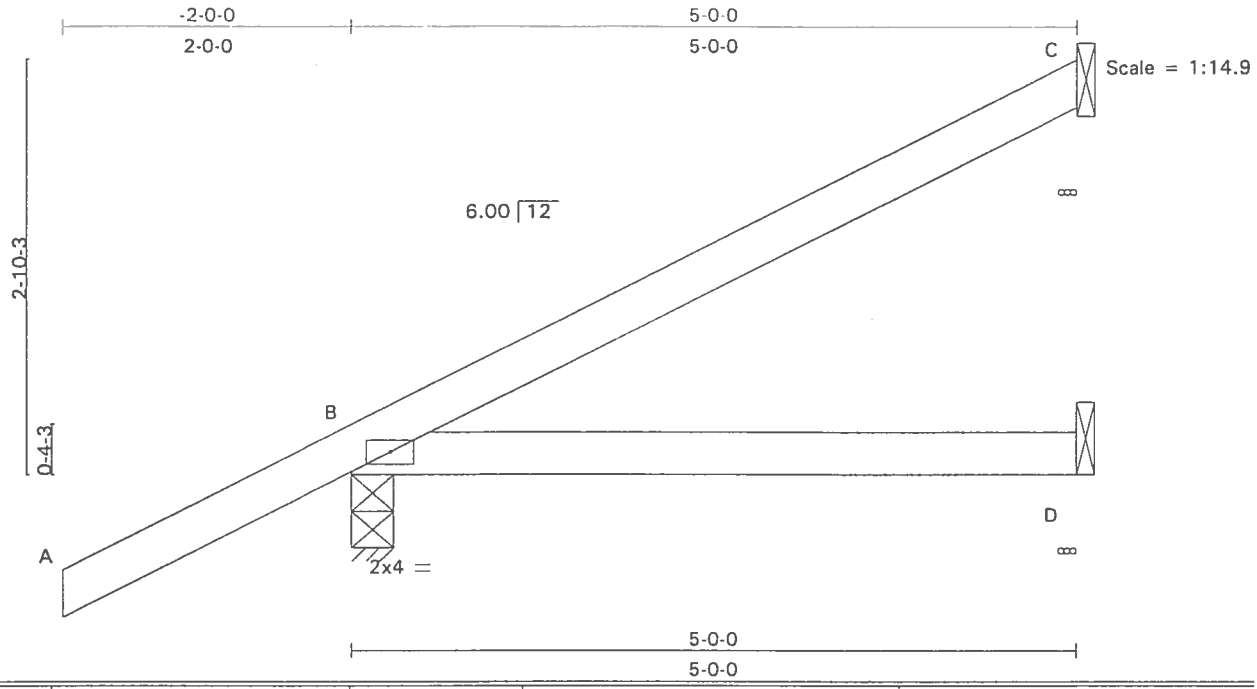
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per 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 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	
L45316	EJ5	ROOF TRUSS	10	1	(optional)	A509182

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS 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

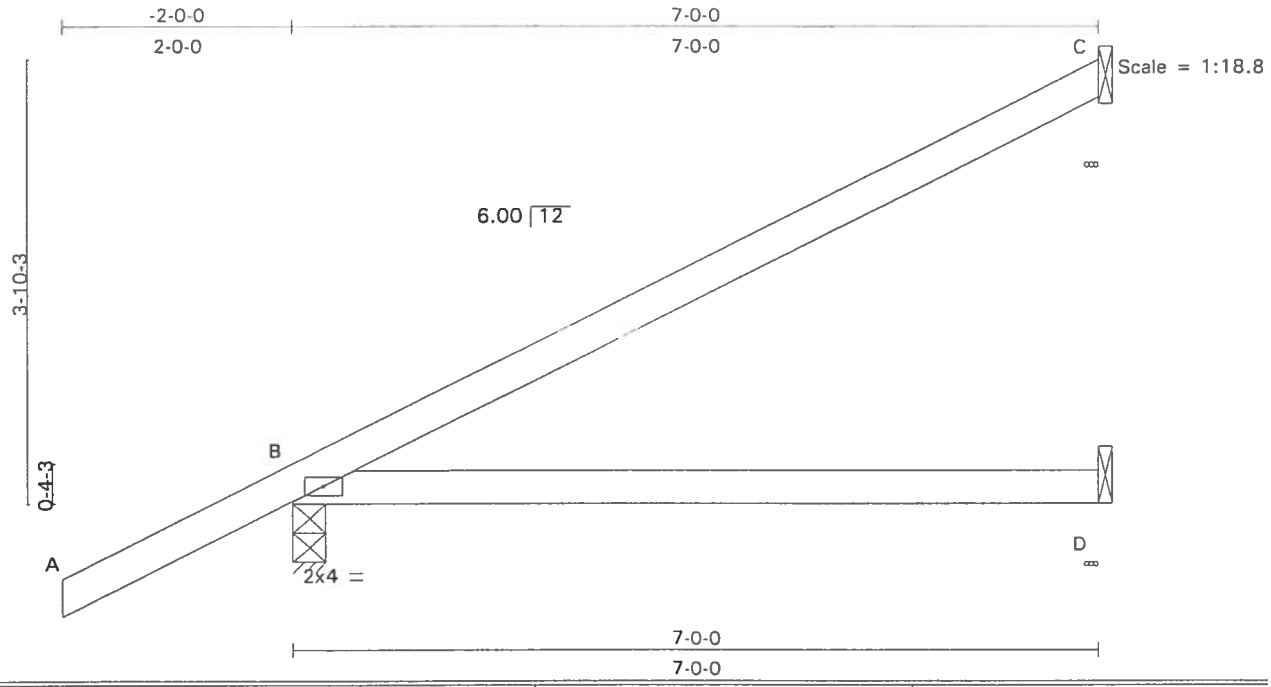
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per 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, KIMBER 20 HOLDOWAC 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

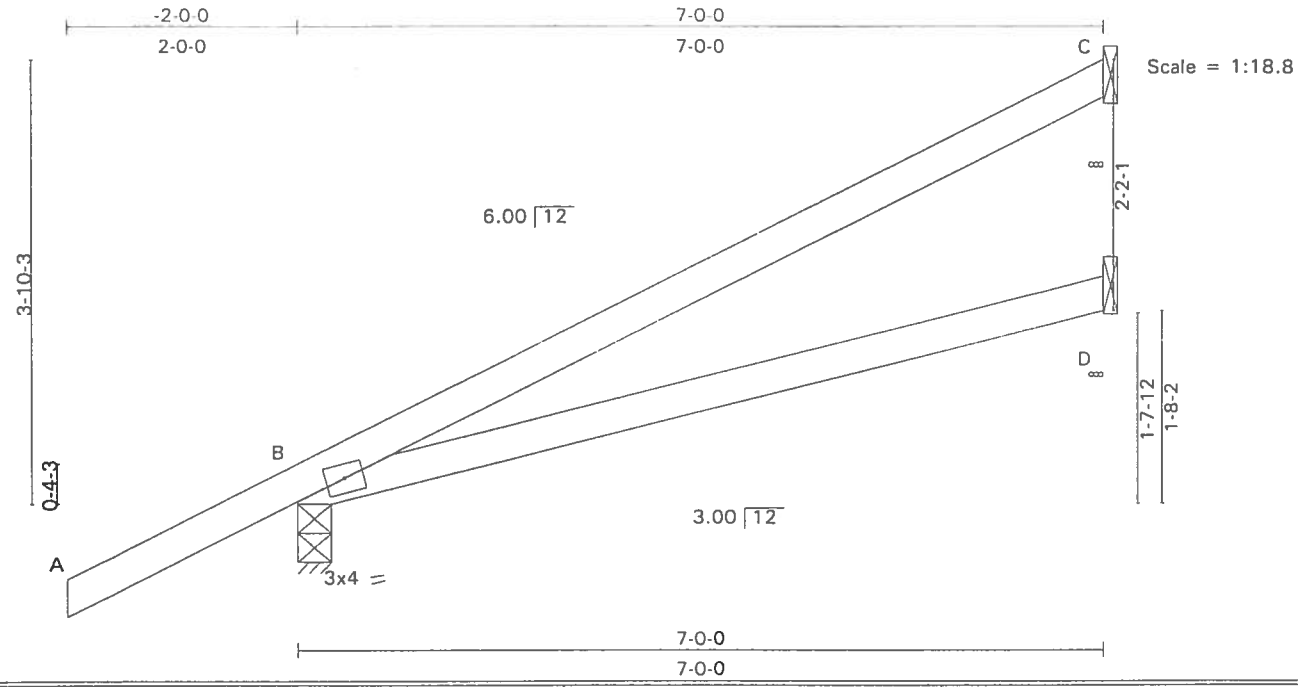
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per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

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, KIMBER HOLDINGS Oct 17 2001 MiTek 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

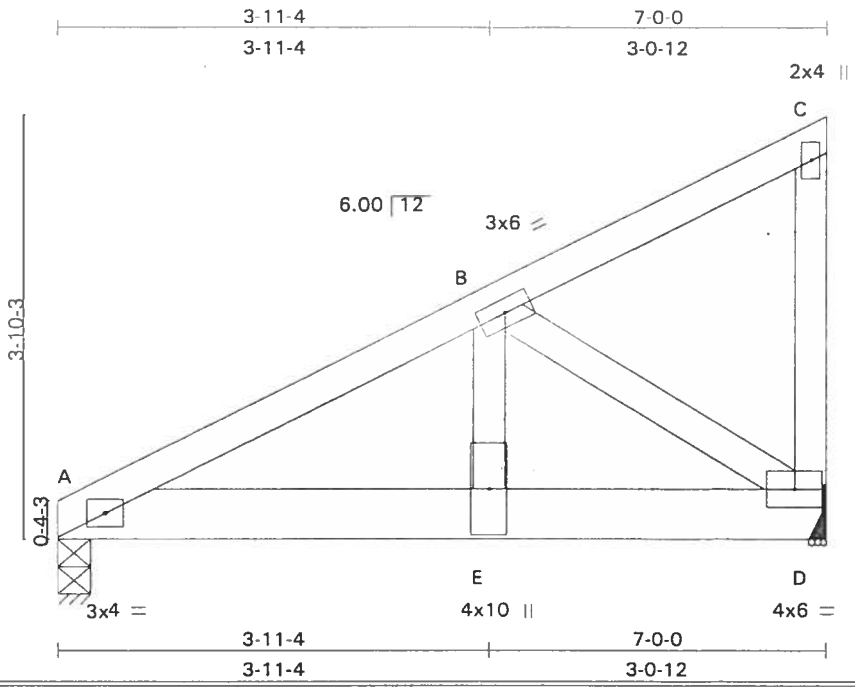
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per 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.	A509185
L45316	EJ7B	MONO TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:45 2003 Page 1



Simpson HUS26

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

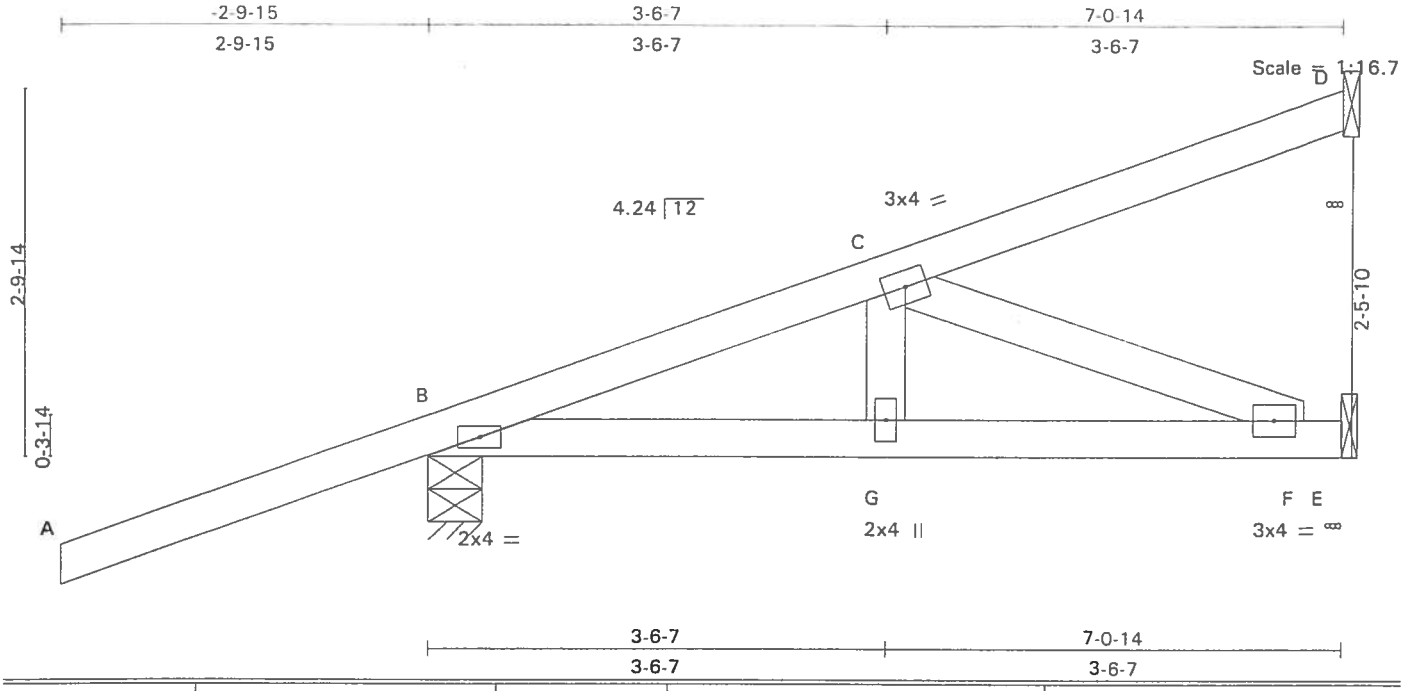
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per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

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, KIMBER HOLDINGS 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)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.00	G	>999	MII20	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 l/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

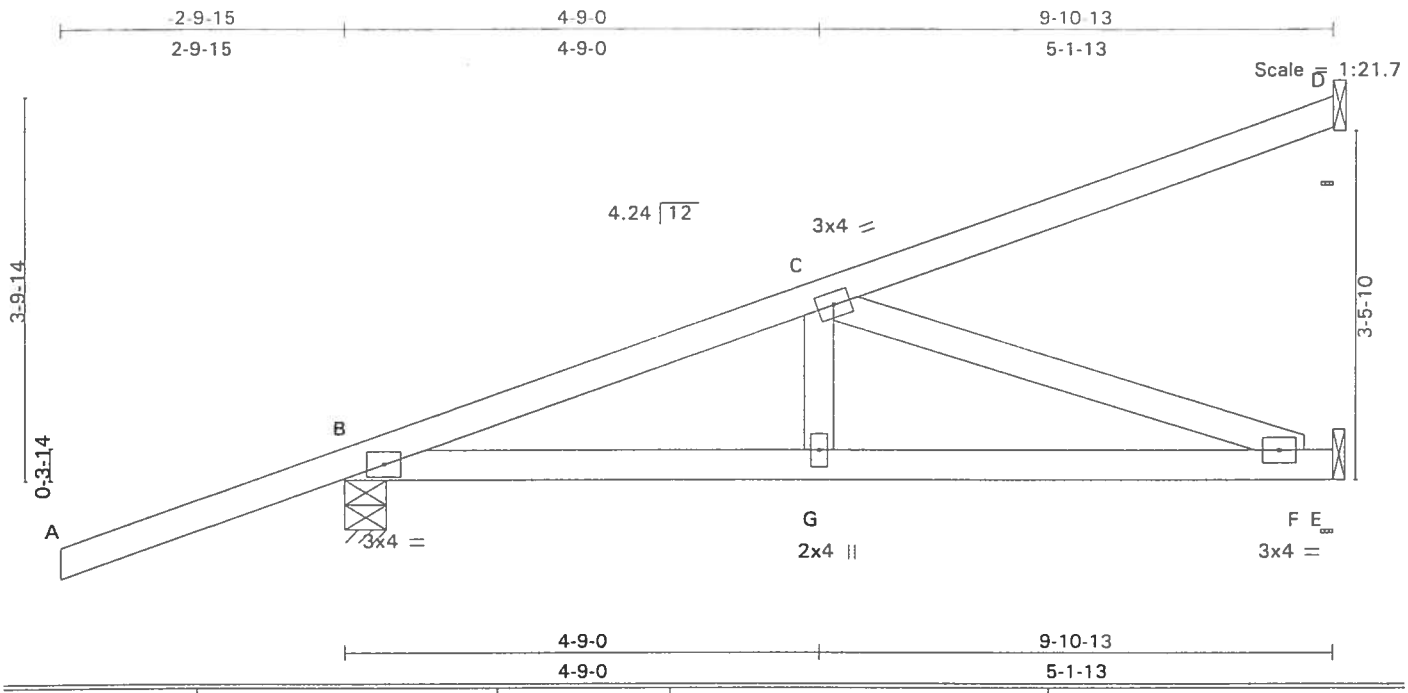
NOTES
1) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per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

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, KIMBER 20 HOLSBWA 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
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

LAWRENCE A. PAINE CERTIFICATE NO. 21478 STATE OF FLORIDA REGISTERED ENGINEER

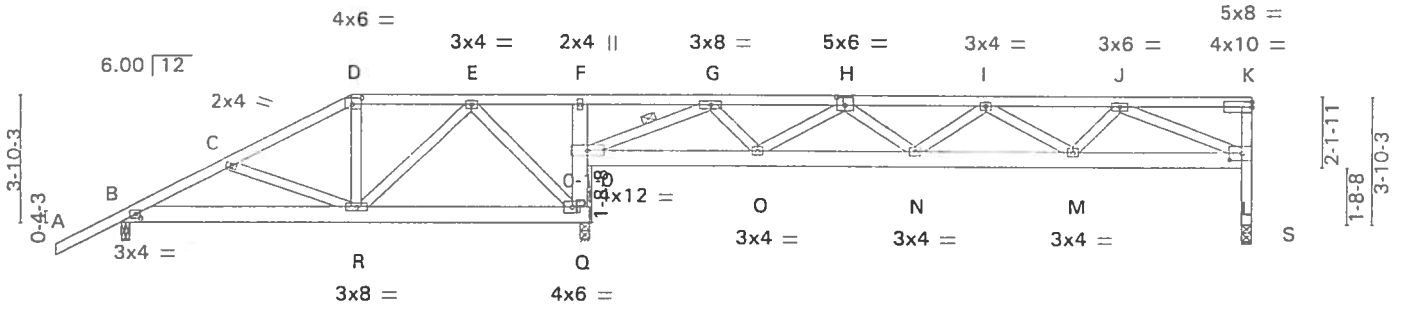
May 2,2003

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, KIMBER 20 HOLDOWN 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



7-0-0	14-0-0	14-3-8	19-4-13	24-2-4	28-11-12	34-5-8
7-0-0	7-0-0	0-3-8	5-1-4	4-9-7	4-9-8	5-5-12

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	

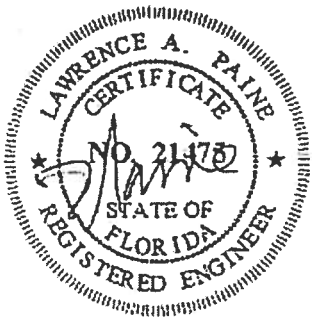
LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.2D

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

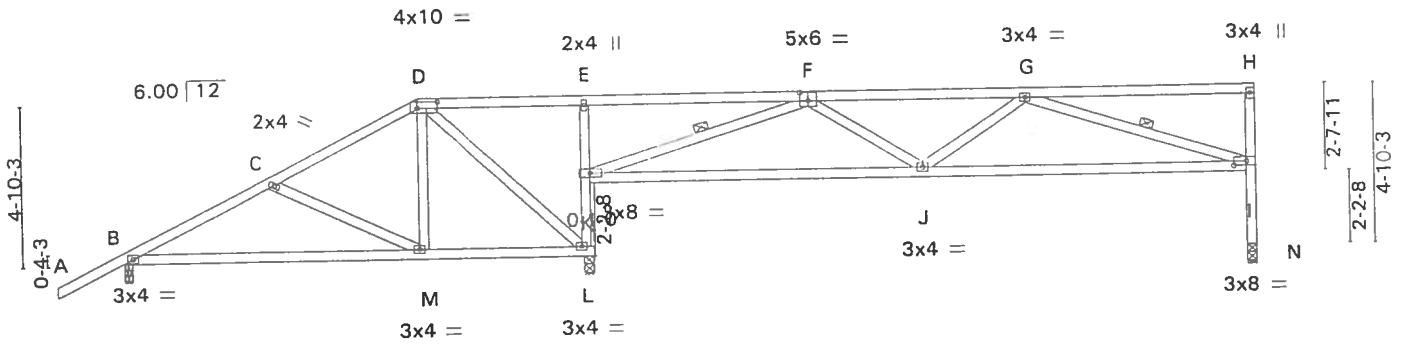
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: R=-474.8

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, KIMBER 20 HOLDOWAS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:51 2003 Page 1

-2-0-0	4-6-10	9-0-0	14-3-8	20-10-13	27-5-11	34-5-8
2-0-0	4-6-10	4-5-6	5-3-8	6-7-5	6-6-15	6-11-13

Scale = 1:65.9



9-0-0	14-0-0	14-3-8	24-3-15	34-5-8
9-0-0	5-0-0	0-3-8	10-0-7	10-1-9

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

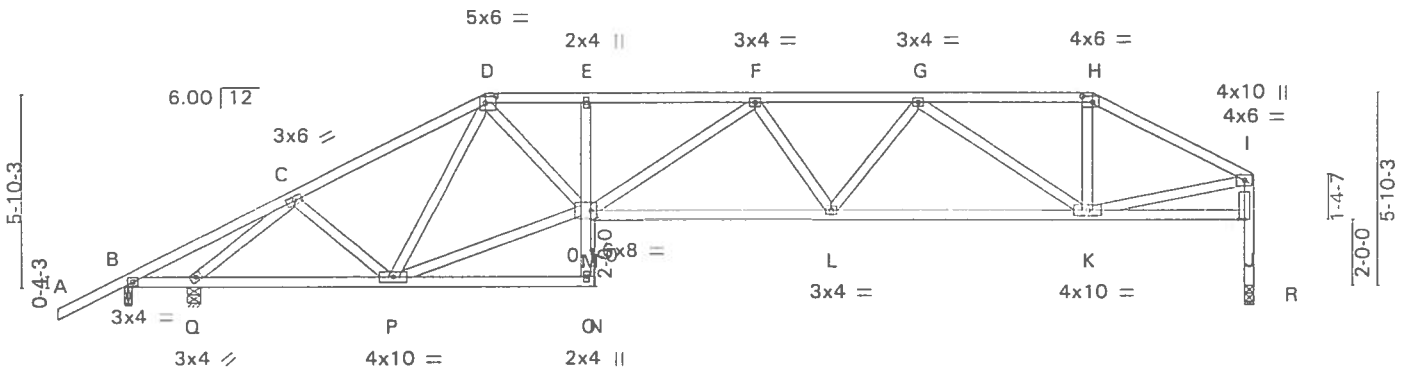
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES. A509190
L45316	T03	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDSWA Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:52 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	14-3-8	21-6-11	29-6-0	34-5-8
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:0-2-4,0-3-0]

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)	0.17	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	

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 4-0-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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 Uplift B=-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)

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

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, 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

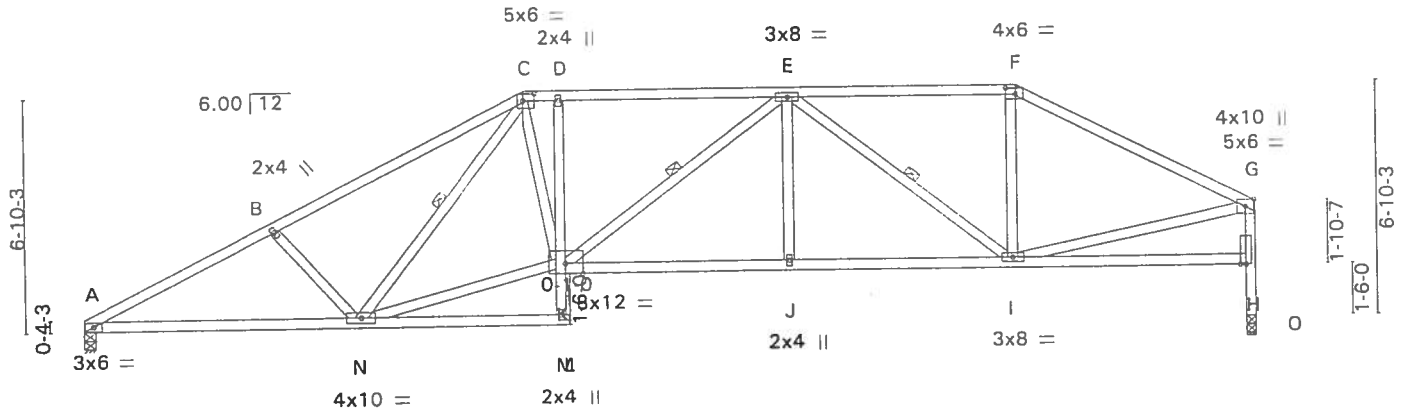
LOAD CASE(S) Standard

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, KIMBER 20 HOLSOWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:54 2003 Page 1

5-7-11	13-0-0	14-3-8	20-9-6	27-6-0	34-5-8
5-7-11	7-4-5	1-3-8	6-5-13	6-8-10	6-11-8

Scale: 3/16" = 1'



8-1-15	14-3-8	20-9-6	27-6-0	34-5-8
8-1-15	6-1-9	6-5-13	6-8-10	6-11-8

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:
1 Row at midpt D-K
WEBS 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.

LAWRENCE A. PAINE CERTIFICATE NO. 21178 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

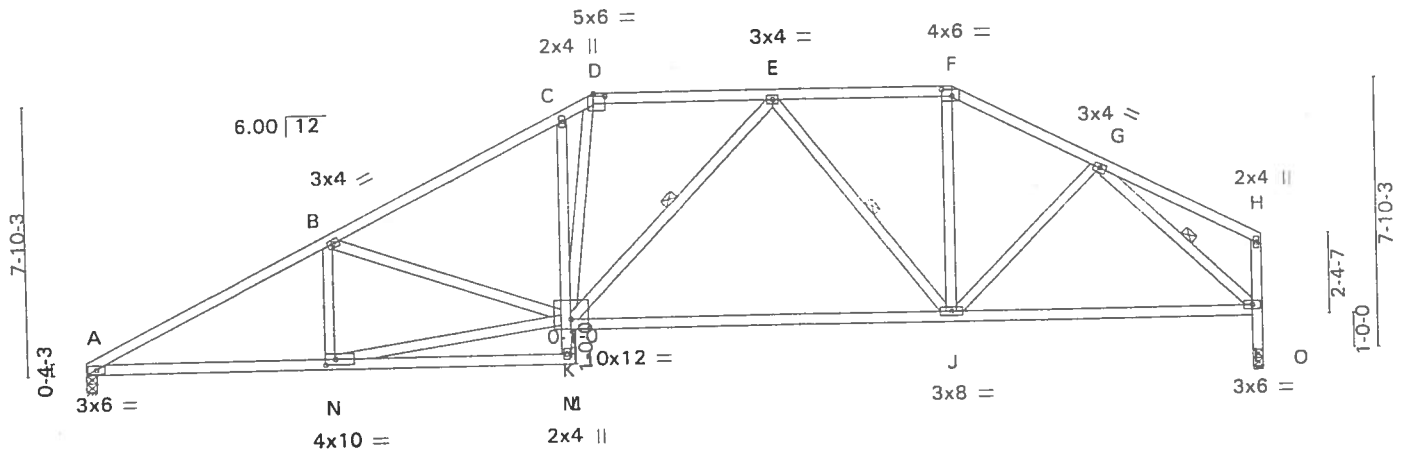
LOAD CASE(S) Standard

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 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:55 2003 Page 1

7-1-10	14-3-8	15-0-0	20-2-12	25-6-0	29-7-12	34-5-8
7-1-10	7-1-15	0-8-8	5-2-12	5-3-4	4-1-12	4-9-12

Scale: 3/16" = 1'



7-1-10	14-3-8	25-6-0	34-5-8
7-1-10	7-1-15	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:0-6-0,0-3-4], [N: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	0.35	Vert(LL)	0.14	J-K	>999	MII20	249/190
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
WEBS 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

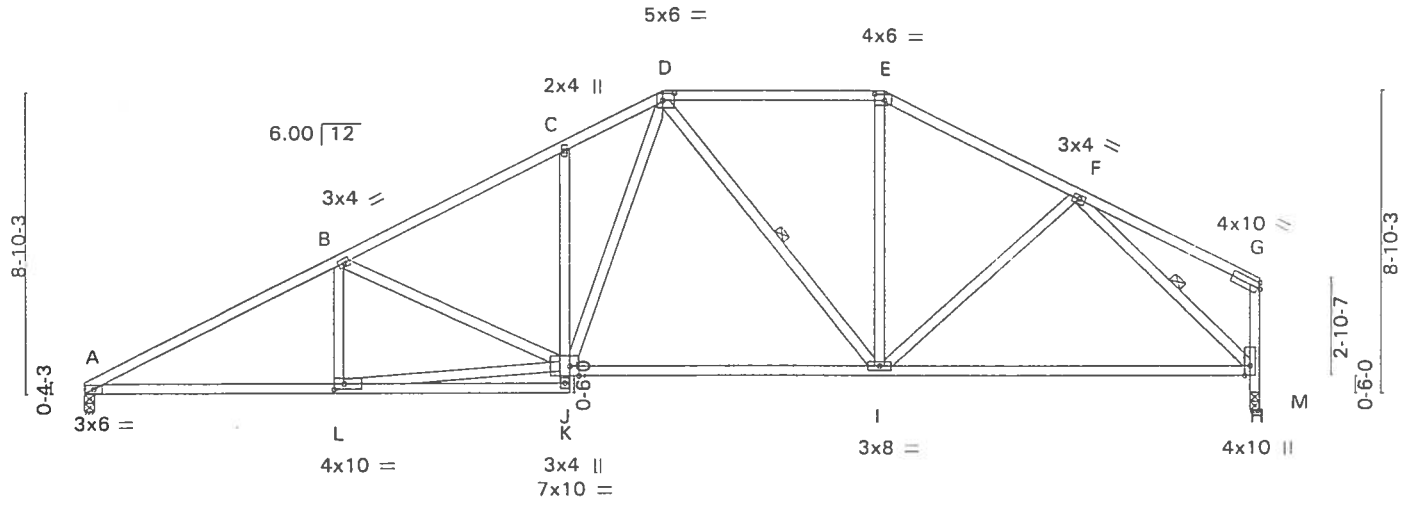
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509193
L45316	T06	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:57 2003 Page 1

7-5-13	14-3-8	17-0-0	23-6-0	29-0-6	34-5-8
7-5-13	6-9-11	2-8-8	6-6-0	5-6-6	5-5-2

Scale: 3/16" = 1'



7-5-13	14-3-8	23-6-0	34-5-8
7-5-13	6-9-11	9-2-8	10-11-8

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
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.

LAWRENCE A. PAINE CERTIFICATE NO. 21178 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

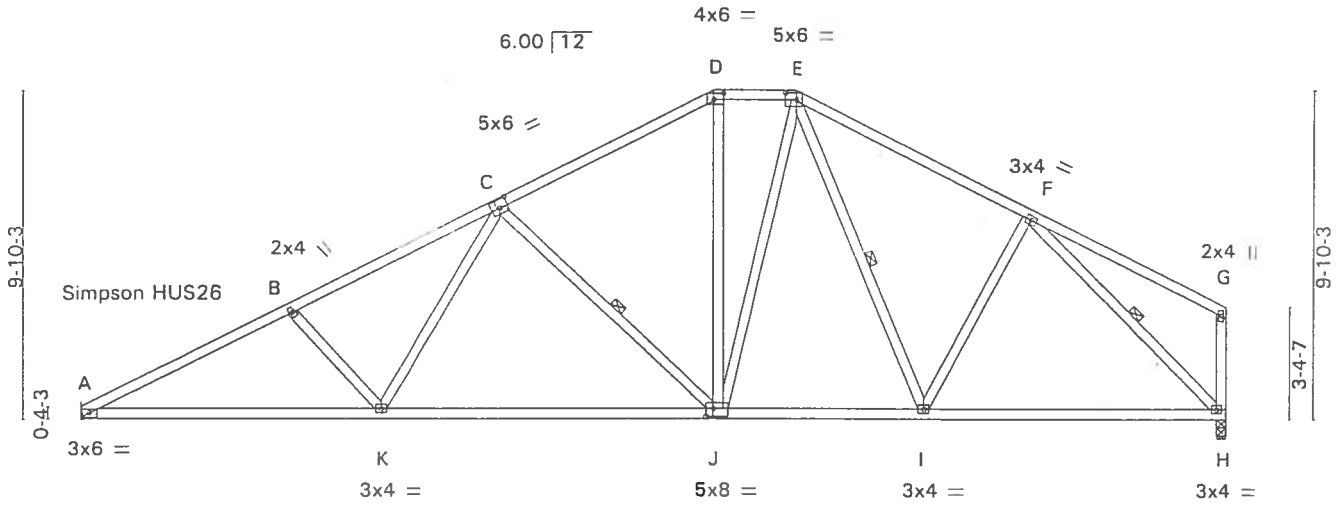
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES. A509194
L45316	T07	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOUSE WAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:22:58 2003 Page 1

6-4-0	12-7-2	19-0-0	21-6-0	28-5-2	34-5-8
6-4-0	6-3-2	6-4-14	2-6-0	6-11-2	6-0-6

Scale = 1:65.2



9-0-6	19-0-0	25-4-4	34-5-8
9-0-6	9-11-10	6-4-4	9-1-4

Plate Offsets (X,Y): [C:0-3-0,0-3-0], [D:0-3-8,0-2-4], [E:0-4-0,0-2-8], [J:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.12	A-K	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.29	J-K	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.07	H	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 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
G-H 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-14 oc bracing.
WEBS 1 Row at midpt C-J, E-I, F-H

REACTIONS (lb/size) A = 1267/Mechanical, H = 1267/0-3-8
Max Horz A = 263(load case 4)
Max Uplift A = -344(load case 4), H = -271(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B = -2380, B-C = -2162, C-D = -1367, D-E = -1149, E-F = -1311, F-G = -158, G-H = -185
BOT CHORD A-K = 2077, J-K = 1608, I-J = 1083, H-I = 1034
WEBS B-K = -320, C-K = 523, C-J = -645, D-J = 360, E-J = 263, E-I = 30, F-I = 130, F-H = -1370

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 or 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 344 lb uplift at joint A and 271 lb uplift at joint H.

LOAD CASE(S) Standard

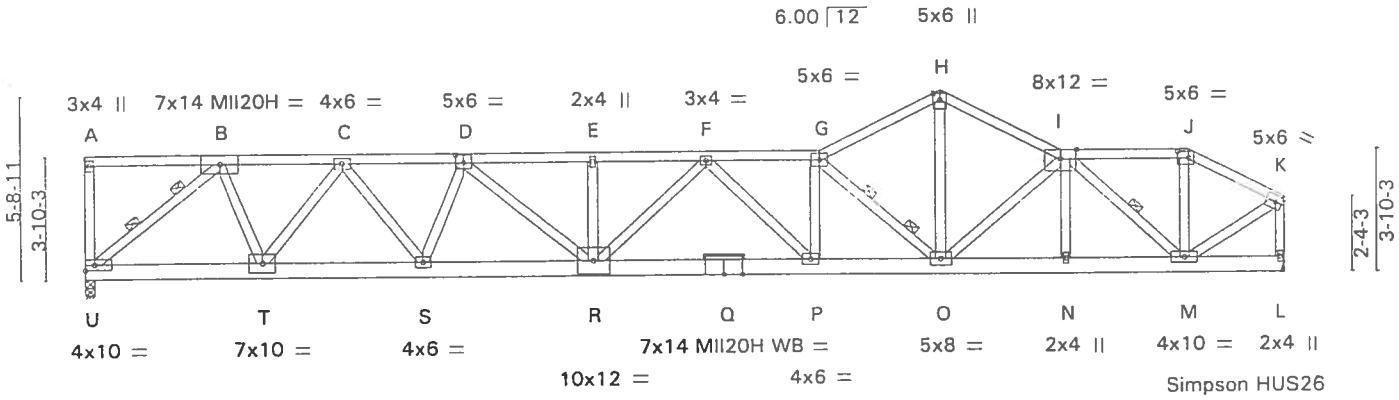
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES	A509195
L45316	T08	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER R 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:00 2003 Page 1

4-2-10	8-0-9	11-10-7	15-11-4	19-5-10	23-0-0	26-9-0	30-6-0	34-6-0	37-6-0
4-2-10	3-9-15	3-9-14	4-0-13	3-6-6	3-6-6	3-9-0	3-9-0	4-0-0	3-0-0

Scale = 1:67.9



5-6-3	10-6-15	15-11-4	23-0-0	26-9-0	30-6-0	34-6-0	37-6-0
5-6-3	5-0-13	5-4-5	7-0-12	3-9-0	3-9-0	4-0-0	3-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.95	Vert(LL)	0.52	P-R	>860	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.95	P-R	>472	MII20H	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.17	L	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 255 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except* D-G 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3 *Except* H-O 2 X 4 SYP No.2D, K-L 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 1-4-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt I-M
2 Rows at 1/3 pts B-U, G-O

REACTIONS (lb/size) U=3367/0-4-0 (input: 0-3-8), L=2337/Mechanical
Max Horz U=-100(load case 5)
Max Uplift U=-695(load case 4), L=-496(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-U=-241, A-B=-81, B-C=-4514, C-D=-7579, D-E=-9511, E-F=-9511, F-G=-7492, G-H=-4380, H-I=-4383, I-J=-1951, J-K=-2177, K-L=-2289
BOT CHORD T-U=3577, S-T=6203, R-S=8185, Q-R=8578, P-Q=8578, O-P=7443, N-O=4081, M-N=4080, L-M=56
WEBS B-U=-4596, B-T=2680, C-T=-2867, C-S=2335, D-S=-1744, D-R=1743, E-R=-304, F-R=1309, F-P=-1555, G-P=1174, G-O=-4815, H-O=3605, I-O=-237, I-N=-19, I-M=-2863, J-M=745, K-M=2250

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 or 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) All plates are MII20 plates unless otherwise indicated.
5) WARNING: Required bearing size at joint(s) U greater than input bearing size. Refer to Detail ST-BLCK1.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 695 lb uplift at joint U and 496 lb uplift at joint L.

May 2,2003

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES. A509195
L45316	T08	ROOF TRUSS	1	1	(optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase = 1.25, Plate Increase = 1.25
   Uniform Loads (plf)
   Vert: A-E = -117.6, E-G = -54.0, G-H = -54.0, H-I = -54.0, I-J = -54.0, J-K = -54.0, R-U = -43.5, L-R = -20.0
   Concentrated Loads (lb)
   Vert: R = -1576.0

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES	A509196
L45316	T09	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBER HOLSEWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:02 2003 Page 1

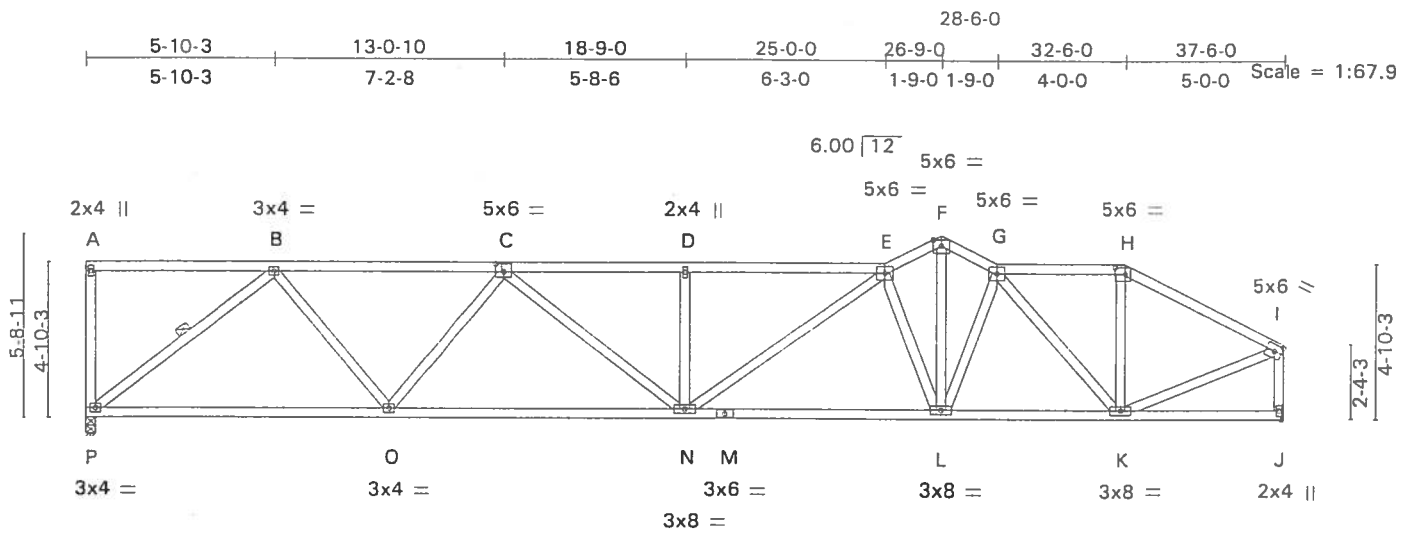


Plate Offsets (X,Y): [C:0-3-0,0-3-0], [H:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.18	N	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.38	N-O	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.09	J	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 221 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*
I-J 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-7 oc bracing.
WEBS 1 Row at midpt B-P

REACTIONS (lb/size) P=1377/0-3-8, J=1377/Mechanical
Max Horz P=-125(load case 5)
Max Uplift P=-430(load case 4), J=-278(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-P=-134, A-B=-45, B-C=-2108, C-D=-2871, D-E=-2871, E-F=-2206, F-G=-2177, G-H=-1337, H-I=-1539, I-J=-1319
BOT CHORD O-P=1489, N-O=2574, M-N=2513, L-M=2513, K-L=2035, J-K=74
WEBS B-P=-1848, B-O=998, C-O=-751, C-N=381, D-N=-323, E-N=443, E-L=-1542, F-L=1775, G-L=-212, G-K=-1080, H-K=387, I-K=1358

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 or 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint P and 278 lb uplift at joint J.

LOAD CASE(S) Standard

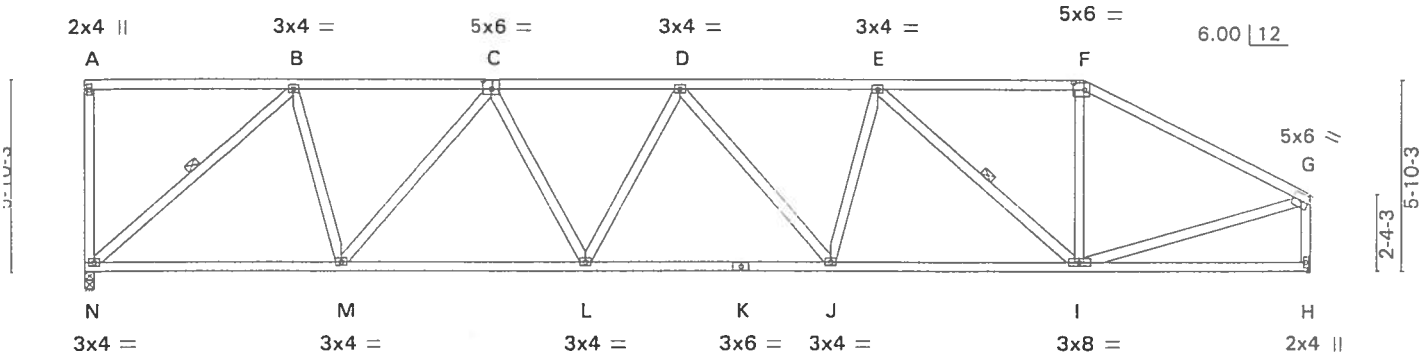
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES. A509197
L45316	T10	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, FL 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:03 2003 Page 1

6-3-12	12-4-7	18-1-9	24-2-4	30-6-0	37-6-0
6-3-12	6-0-10	5-9-2	6-0-10	6-3-12	7-0-0

Scale = 1:66.5



Simpson HUS26

7-9-1	15-3-0	22-8-15	30-6-0	37-6-0
7-9-1	7-5-15	7-5-15	7-9-1	7-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.13	J-L	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.26	J-L	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.08	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 220 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*
G-H 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 4-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-7 oc bracing.
WEBS 1 Row at midpt B-N, E-I

REACTIONS (lb/size) N = 1377/0-3-8, H = 1377/Mechanical
Max Horz N = -153(load case 5)
Max Uplift N = -455(load case 2), H = -339(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD A-N = -155, A-B = -34, B-C = -1515, C-D = -2225, D-E = -2211, E-F = -1457, F-G = -1701, G-H = -1304
BOT CHORD M-N = 1308, L-M = 2051, K-L = 2321, J-K = 2321, I-J = 2137, H-I = 137
WEBS B-N = -1714, B-M = 825, C-M = -839, C-L = 376, D-L = -210, D-J = -172, E-J = 295, E-I = -915, F-I = 359, G-I = 1369

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 or 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 adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 455 lb uplift at joint N and 339 lb uplift at joint H.

LOAD CASE(S) Standard

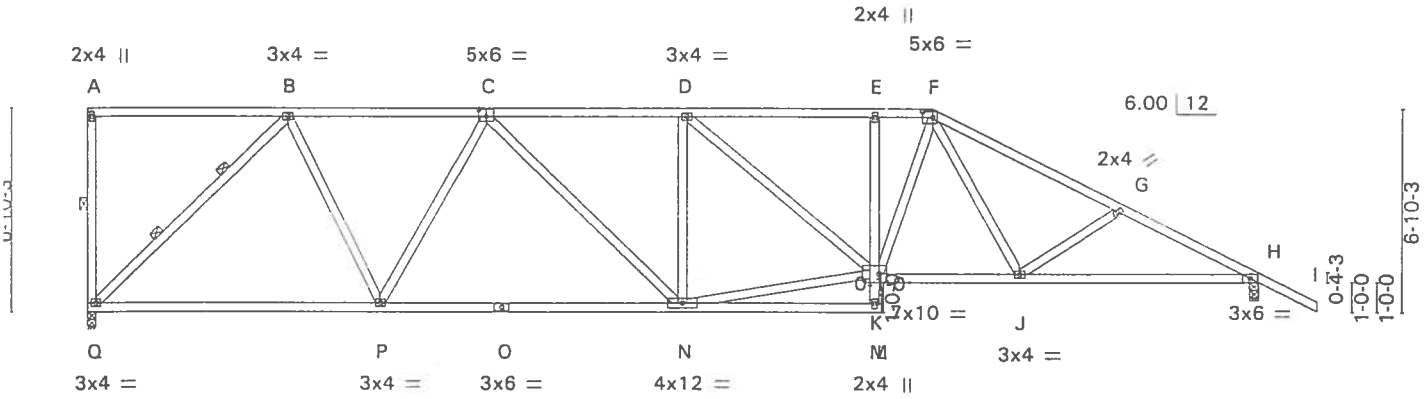
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509198
L45316	T11	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDSWAO Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:04 2003 Page 1

6-9-1	13-5-14	20-1-2	26-9-8	28-6-0	34-8-12	39-6-0	41-6-0
6-9-1	6-8-12	6-7-5	6-8-6	1-8-8	6-2-12	4-9-4	2-0-0

Scale = 1:73.2



9-10-9	20-1-2	26-9-8	31-5-4	39-6-0
9-10-9	10-2-10	6-8-6	4-7-12	8-0-12

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

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)	-0.14	J-K	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.38	N-P	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.10	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 243 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 3-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-11 oc bracing. Except:
1 Row at midpt E-K
WEBS 1 Row at midpt A-Q
2 Rows at 1/3 pts B-Q

REACTIONS (lb/size) Q = 1449/0-3-8, H = 1573/0-3-8
Max Horz Q = -265(load case 5)
Max Uplift Q = -464(load case 2), H = -376(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-Q = -164, A-B = -35, B-C = -1629, C-D = -2212, D-E = -2245, E-F = -2246, F-G = -2558, G-H = -2792, H-I = 47
BOT CHORD P-Q = 1240, O-P = 1961, N-O = 1961, M-N = 189, L-M = 0, K-M = 65, E-K = -163, J-K = 2060, H-J = 2430
WEBS B-Q = -1697, B-P = 904, C-P = -688, C-N = 354, D-N = -397, K-N = 2046, D-K = 45, F-K = 562, F-J = 341, G-J = -255

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 right is exposed and the left 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 adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 464 lb uplift at joint Q and 376 lb uplift at joint H.

LAWRENCE A. PAINE CERTIFICATE NO. 21175 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

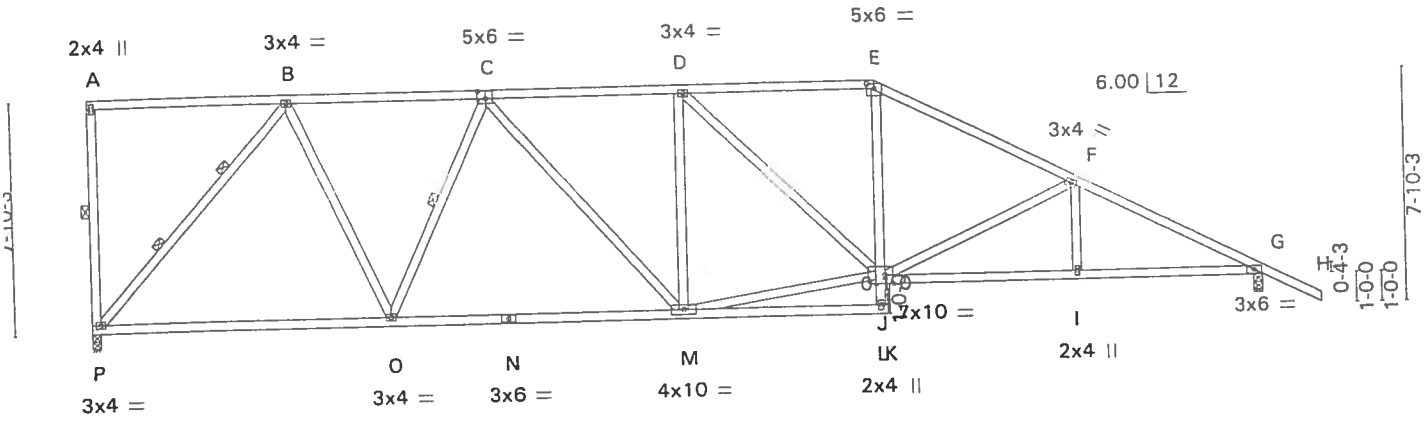
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	A509199
L45316	T12	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FI 32056, KIMBER 20 HOLDOWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:06 2003 Page 1

6-8-0	13-4-7	19-10-8	26-6-0	26-9-8	33-2-6	39-6-0	41-6-0
6-8-0	6-8-7	6-6-2	6-7-8	0-3-8	6-4-14	6-3-10	2-0-0

Scale = 1:73.2



10-0-3	19-10-8	26-9-8	33-2-6	39-6-0
10-0-3	9-10-5	6-11-0	6-4-14	6-3-10

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.13	I-J	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.32	M-O	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.10	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 246 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 3-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-12 oc bracing.
WEBS 1 Row at midpt A-P, C-O
2 Rows at 1/3 pts B-P

REACTIONS (lb/size) P=1449/0-3-8, G=1573/0-3-8
Max Horz P=-303(load case 5)
Max Uplift P=-458(load case 2), G=-396(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-P=-160, A-B=-29, B-C=-1426, C-D=-1917, D-E=-1926, E-F=-2255, F-G=-2783, G-H=47
BOT CHORD O-P=1062, N-O=1696, M-N=1696, L-M=140, K-L=0, J-L=69, E-J=605, I-J=2406, G-I=2406
WEBS B-P=-1582, B-O=898, C-O=-666, C-M=338, D-M=-360, D-J=14, J-M=1796, F-J=-510, F-I=145

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 right is exposed and the left 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 adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint P and 396 lb uplift at joint G.

LOAD CASE(S) Standard

LAWRENCE A. PAINE CERTIFICATE NO. 21475 STATE OF FLORIDA REGISTERED ENGINEER

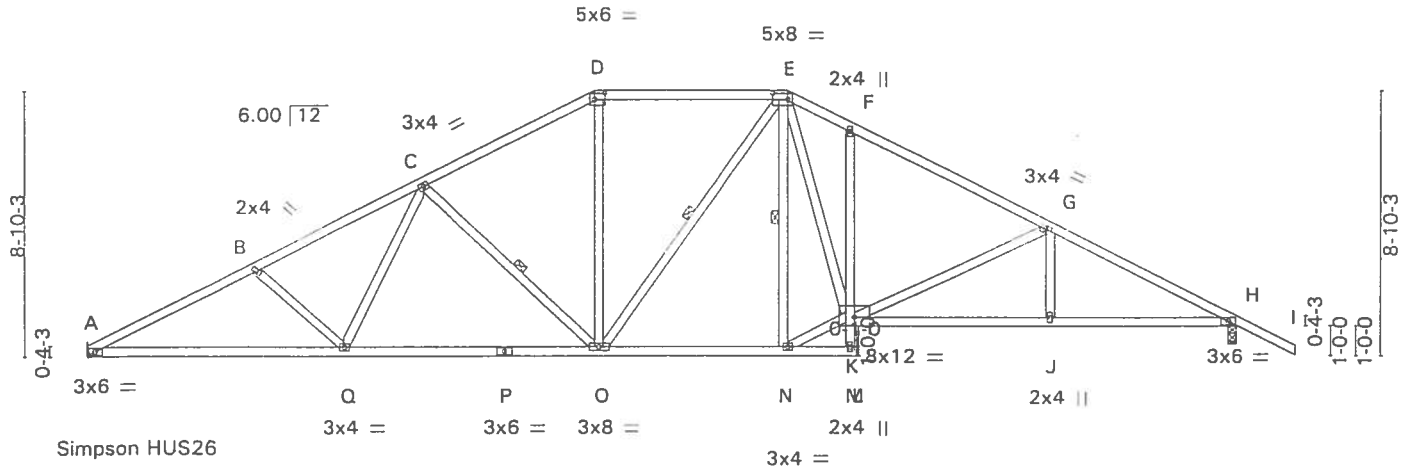
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES. A509200
L45316	T13	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOUSE WAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:07 2003 Page 1

5-8-0	11-3-11	17-0-0	23-6-0	25-9-8	32-2-6	38-6-0	40-6-0
5-8-0	5-7-11	5-8-5	6-6-0	2-3-8	6-4-14	6-3-10	2-0-0

Scale = 1:72.7



Simpson HUS26

8-7-14	17-0-0	23-6-0	25-9-8	32-2-6	38-6-0
8-7-14	8-4-2	6-6-0	2-3-8	6-4-14	6-3-10

Plate Offsets (X,Y): [D:0-4-0,0-2-8], [E:0-6-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.14	J-K	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.31	O-Q	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.12	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 230 lb	

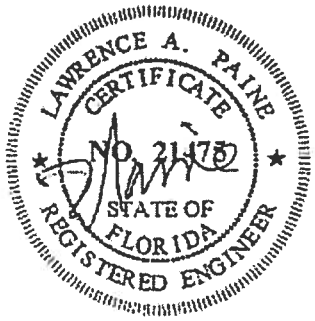
LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-2-13 oc bracing: A-Q
8-6-15 oc bracing: O-Q.
1 Row at midpt F-K
WEBS 1 Row at midpt C-O, E-O, E-N

REACTIONS (lb/size) A = 1415/Mechanical, H = 1539/0-3-8
Max Horz A = -180(load case 5)
Max Uplift A = -394(load case 4), H = -427(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B = -2726, B-C = -2499, C-D = -1838, D-E = -1593, E-F = -2060, F-G = -2180, G-H = -2712, H-I = 47
BOT CHORD A-Q = 2390, P-Q = 1989, O-P = 1989, N-O = 1528, M-N = 93, L-M = 0, K-M = 17, F-K = -165, J-K = 2345, H-J = 2345
WEBS B-Q = -295, C-Q = 430, C-O = -564, D-O = 452, E-O = 110, E-N = -565, K-N = 1586, E-K = 1165, G-K = -521, G-J = 140

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 right is exposed and the left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 394 lb uplift at joint A and 427 lb uplift at joint H.



May 2,2003

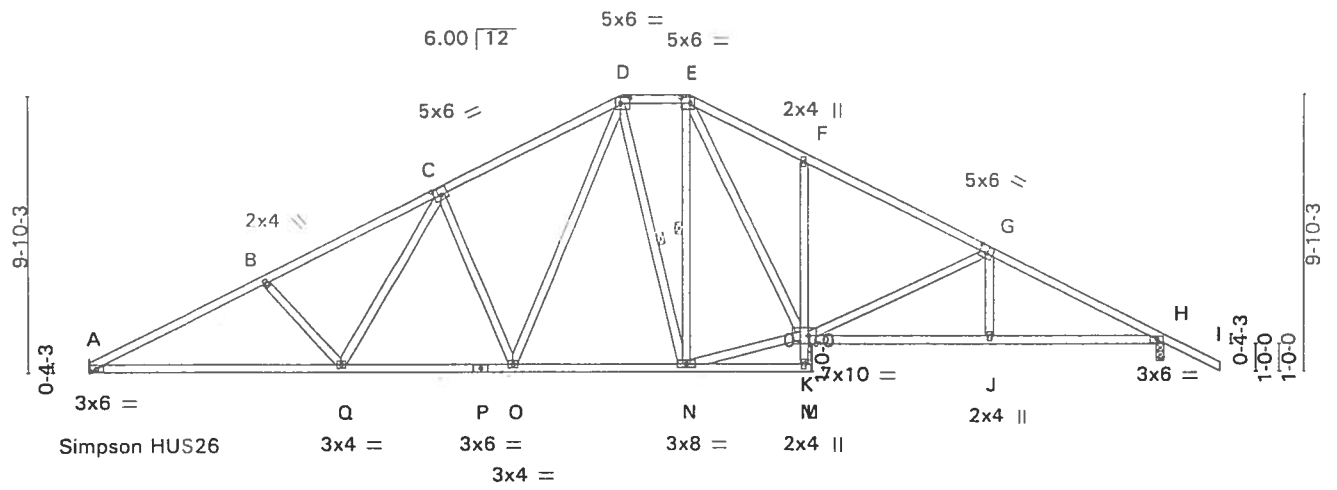
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG - SCAFF RES. A509201
L45316	T14	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:09 2003 Page 1

6-4-0	12-7-2	19-0-0	21-6-0	25-9-8	32-2-6	38-6-0	40-6-0
6-4-0	6-3-2	6-4-14	2-6-0	4-3-8	6-4-14	6-3-10	2-0-0

Scale = 1:77.4



9-0-6	15-1-13	21-6-0	25-9-8	32-2-6	38-6-0
9-0-6	6-1-6	6-4-3	4-3-8	6-4-14	6-3-10

Plate Offsets (X,Y): [C:0-3-0,0-3-0], [D:0-4-0,0-2-8], [E:0-4-0,0-2-8], [G:0-3-0,0-3-0], [K:0-3-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.14	J-K	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.32	A-Q	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.11	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 239 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 3-6-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-4-3 oc bracing: A-Q
9-0-11 oc bracing: O-Q.
1 Row at midpt F-K
WEBS 1 Row at midpt D-N, E-N

REACTIONS (lb/size) A = 1415/Mechanical, H = 1539/0-3-8
Max Horz A = -199(load case 5)
Max Uplift A = -374(load case 4), H = -445(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B = -2691, B-C = -2473, C-D = -1969, D-E = -1409, E-F = -2135, F-G = -2181, G-H = -2710, H-I = 47
BOT CHORD A-Q = 2355, P-Q = 1907, O-P = 1907, N-O = 1428, M-N = 85, L-M = 0, K-M = 43, F-K = -296, J-K = 2340, H-J = 2342
WEBS B-Q = -321, C-Q = 479, C-O = -583, D-O = 698, D-N = -83, E-N = -124, K-N = 1362, E-K = 1041, G-K = -512, G-J = 141

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 right is exposed and the left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 374 lb uplift at joint A and 445 lb uplift at joint H.

May 2,2003

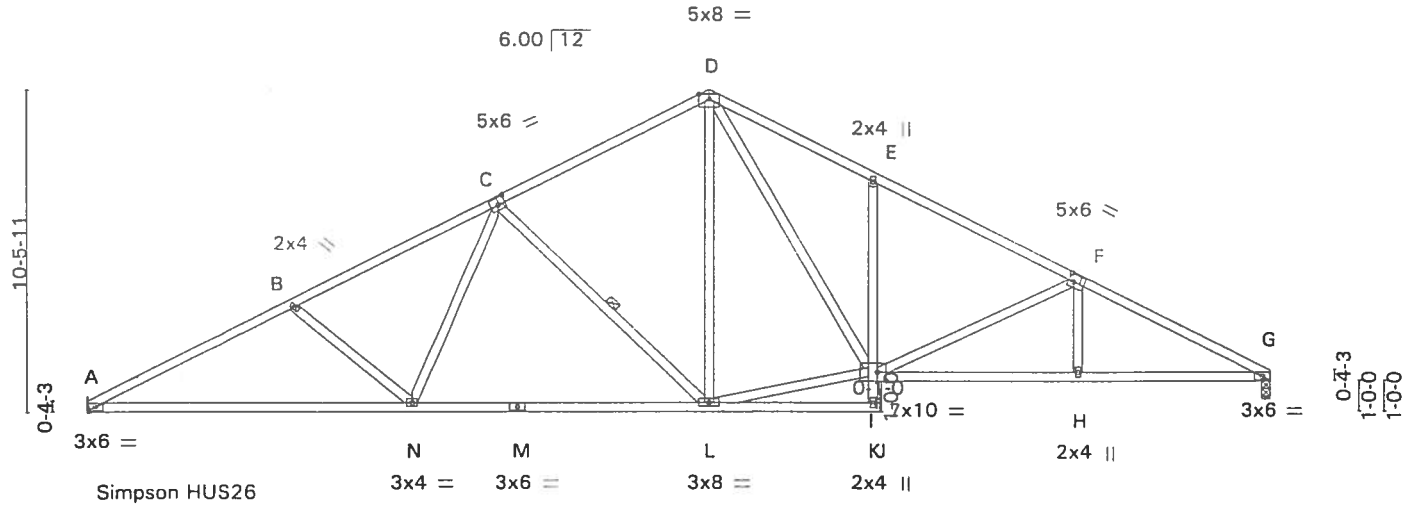
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509202
L45316	T15	ROOF TRUSS	3	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDOWN Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:11 2003 Page 1

6-9-0	13-4-9	20-3-0	25-9-8	32-2-7	38-6-0
6-9-0	6-7-9	6-10-7	5-6-8	6-4-15	6-3-9

Scale = 1:70.8



10-7-1	20-3-0	25-9-8	32-2-7	38-6-0
10-7-1	9-7-15	5-6-8	6-4-15	6-3-9

Plate Offsets (X,Y): [C:0-3-0,0-3-0], [F:0-1-12,0-3-0], [I:0-3-4,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.16	A-N	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.42	A-N	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	0.11	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 216 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 3-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
Except:
1 Row at midpt E-I
WEBS 1 Row at midpt C-L

REACTIONS (lb/size) A=1418/Mechanical, G=1420/0-3-8
Max Horz A=221(load case 4)
Max Uplift A=-360(load case 4), G=-340(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-2669, B-C=-2380, C-D=-1606, D-E=-2147, E-F=-2198, F-G=-2758
BOT CHORD A-N=2335, M-N=1860, L-M=1860, K-L=97, J-K=0, I-K=48, E-I=-296, H-I=2396, G-H=2391
WEBS B-N=-368, C-N=507, C-L=-696, D-L=397, I-L=1287, D-I=1012, F-I=-556, F-H=156

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 right is exposed and the left 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint A and 340 lb uplift at joint G.

LOAD CASE(S) Standard

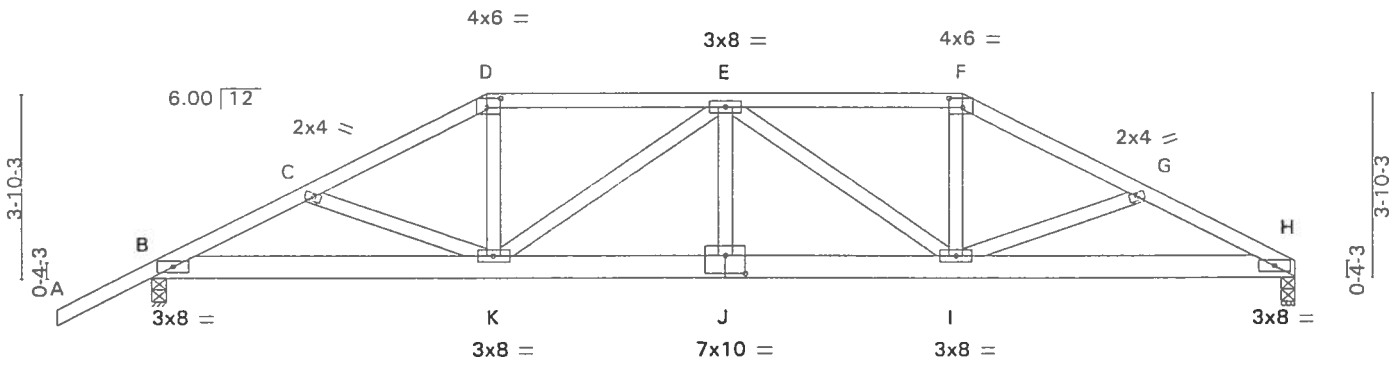
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509203
L45316	T16	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:12 2003 Page 1

-2-0-0	3-4-3	7-0-0	12-0-0	17-0-0	20-7-13	24-0-0
2-0-0	3-4-3	3-7-13	5-0-0	5-0-0	3-7-13	3-4-3

Scale = 1:45.5



7-0-0	12-0-0	17-0-0	24-0-0
7-0-0	5-0-0	5-0-0	7-0-0

Plate Offsets (X,Y): [D:0-3-8,0-2-4], [F:0-3-8,0-2-4], [J:0-5-0,0-4-8]

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)	0.15	J	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.22	J	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.06	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 140 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 3-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-0 oc bracing.

REACTIONS (lb/size) H=1779/0-3-8, B=1905/0-3-8
Max Horz B=132(load case 4)
Max Uplift H=-635(load case 4), B=-845(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=51, B-C=-3559, C-D=-3422, D-E=-3093, E-F=-3114, F-G=-3446, G-H=-3598
BOT CHORD B-K=3121, J-K=3684, I-J=3684, H-I=3162
WEBS C-K=-79, D-K=1090, E-K=-727, E-J=221, E-I=-702, F-I=1103, G-I=-102

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, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 635 lb uplift at joint H and 845 lb uplift at joint B.
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-F=-117.6, F-H=-54.0, B-K=-20.0, I-K=-43.5, H-I=-20.0
Concentrated Loads (lb)
Vert: K=-474.8 I=-474.8

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.
L45316	T17	ROOF TRUSS	1	1	A509204 (optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLSBWAOct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:13 2003 Page 1

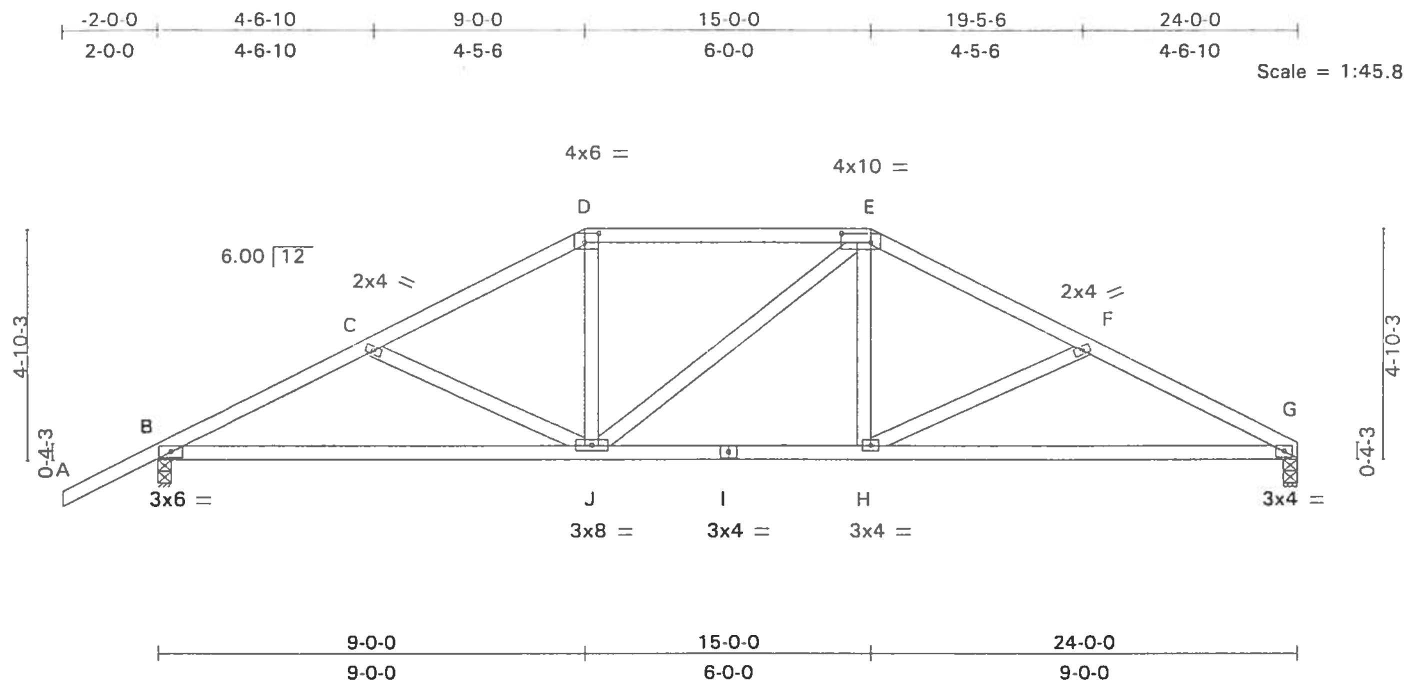


Plate Offsets (X,Y): [D:0-3-8,0-2-4], [E:0-7-8,0-2-4]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.05	H-J	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.21	G-H	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.04	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 116 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

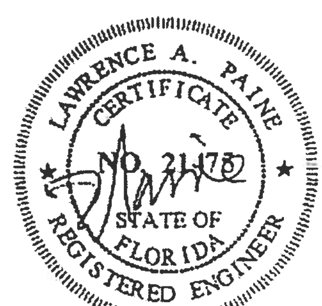
BRACING
TOP CHORD Sheathed or 4-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) G=872/0-3-8, B=998/0-3-8
Max Horz B=147(load case 4)
Max UpliftG=-191(load case 5), B=-369(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1516, C-D=-1278, D-E=-1106, E-F=-1289, F-G=-1548
BOT CHORD B-J=1309, I-J=1115, H-I=1115, G-H=1347
WEBS C-J=-233, D-J=248, E-J=-11, E-H=267, F-H=-266

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, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint G and 369 lb uplift at joint B.

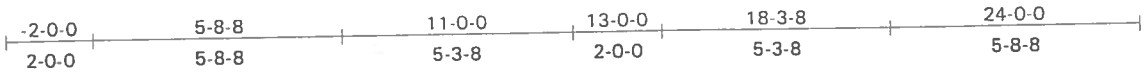
LOAD CASE(S) Standard



May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509205
L45316	T18	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLSBWA Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:15 2003 Page 1



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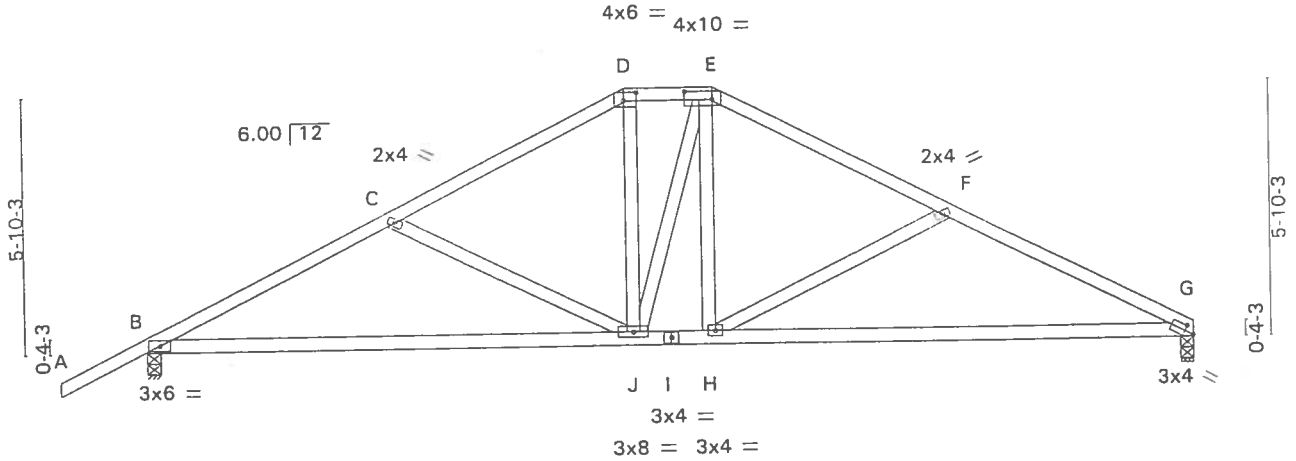


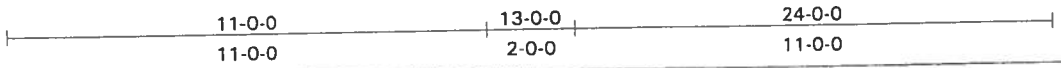


Plate Offsets (X,Y): [D:0-3-8,0-2-4], [E:0-7-8,0-2-4], [G:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.07	G-H	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.35	G-H	>802		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.04	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 121 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

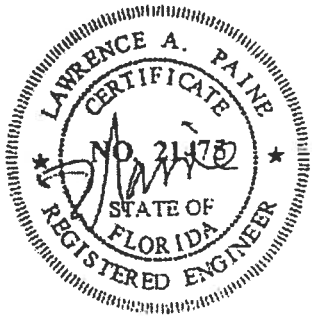
BRACING
TOP CHORD Sheathed or 4-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) G=872/0-3-8, B=998/0-3-8
Max Horz B=166(load case 4)
Max Uplift G=-210(load case 5), B=-349(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1474, C-D=-1146, D-E=-968, E-F=-1151, F-G=-1496
BOT CHORD B-J=1273, I-J=970, H-I=970, G-H=1300
WEBS C-J=-349, D-J=286, E-J=-7, E-H=316, F-H=-378

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, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint G and 349 lb uplift at joint B.

LOAD CASE(S) Standard



May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509206
L45316	T19	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:16 2003 Page 1

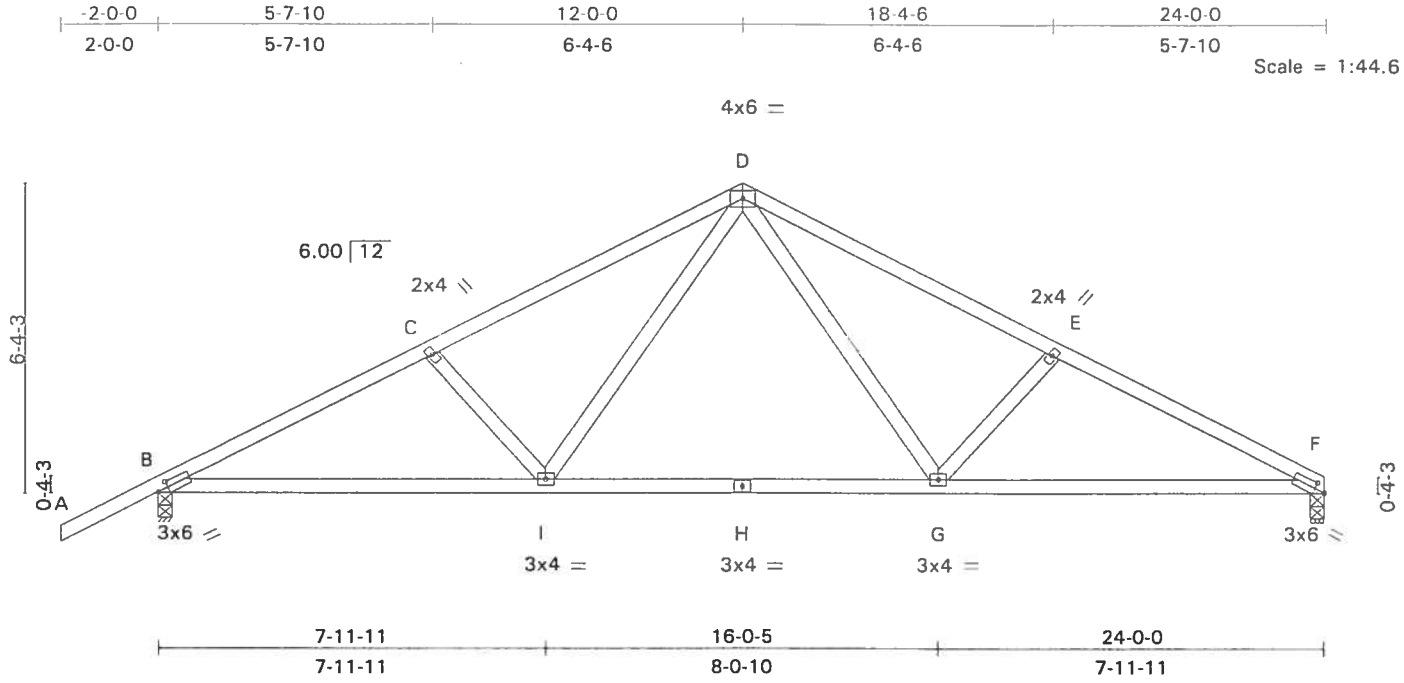


Plate Offsets (X,Y): [B:0-2-10,0-1-8], [F:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.15	F-G	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.30	F-G	>961		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.06	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 111 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

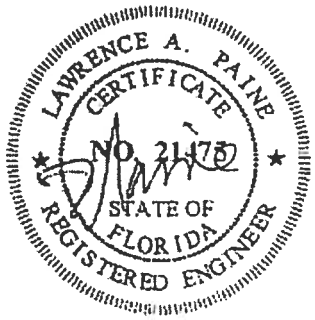
BRACING
TOP CHORD Sheathed or 3-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-2 oc bracing.

REACTIONS (lb/size) F=1346/0-3-8, B=1472/0-3-8
Max Horz B=176(load case 4)
Max Uplift F=-375(load case 5), B=-494(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-2280, C-D=-2088, D-E=-2109, E-F=-2304
BOT CHORD B-I=1991, H-I=1322, G-H=1322, F-G=2019
WEBS C-I=-293, D-I=860, D-G=891, E-G=-309

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, they are exposed to wind. 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint F and 494 lb uplift at joint B.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-D=-54.0, D-F=-54.0, B-F=-60.0



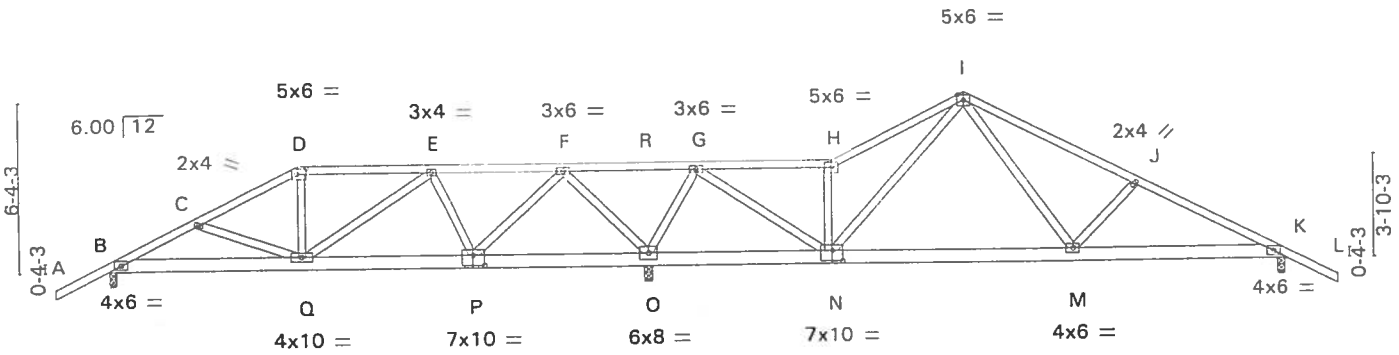
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509207
L45316	T20	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FL 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:17 2003 Page 1

2-0-0	3-4-3	7-0-0	12-0-8	17-0-0	21-11-9	27-0-0	32-0-0	38-4-6	44-0-0	46-0-0
2-0-0	3-4-3	3-7-13	5-0-8	4-11-9	4-11-9	5-0-8	5-0-0	6-4-6	5-7-10	2-0-0

Scale = 1:81.2



7-0-0	13-6-14	20-1-12	27-0-0	36-0-5	44-0-0
7-0-0	6-6-14	6-6-14	6-10-4	9-0-5	7-11-11

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.08	M-N	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.16	M-N	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.02	K	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 262 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 4-4-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) B=1204/0-3-8, O=3397/0-3-8, K=1146/0-3-8
Max Horz B=-160(load case 5)
Max Uplift B=-423(load case 4), O=-771(load case 4), K=-442(load case 5)
Max Grav B=1230(load case 6), O=3397(load case 1), K=1146(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=51, B-C=-2051, C-D=-1890, D-E=-1692, E-F=-860, F-R=1928, G-R=1928, G-H=-386, H-I=-483, I-J=-1427, J-K=-1639, K-L=51
BOT CHORD B-Q=1784, P-Q=1262, O-P=-326, N-O=-1186, M-N=666, K-M=1412
WEBS C-Q=-117, D-Q=409, E-Q=526, E-P=-996, F-P=1689, F-O=-2386, G-O=-1601, G-N=1910, H-N=-425, I-N=-436, I-M=965, J-M=-308

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, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint B, 771 lb uplift at joint O and 442 lb uplift at joint K.
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-R=-117.6, H-R=-54.0, H-I=-54.0, I-L=-54.0, B-Q=-20.0, O-Q=-43.5, N-O=-20.0, K-N=-60.0

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES	A509207
L45316	T20	ROOF TRUSS	1	1	(optional)	

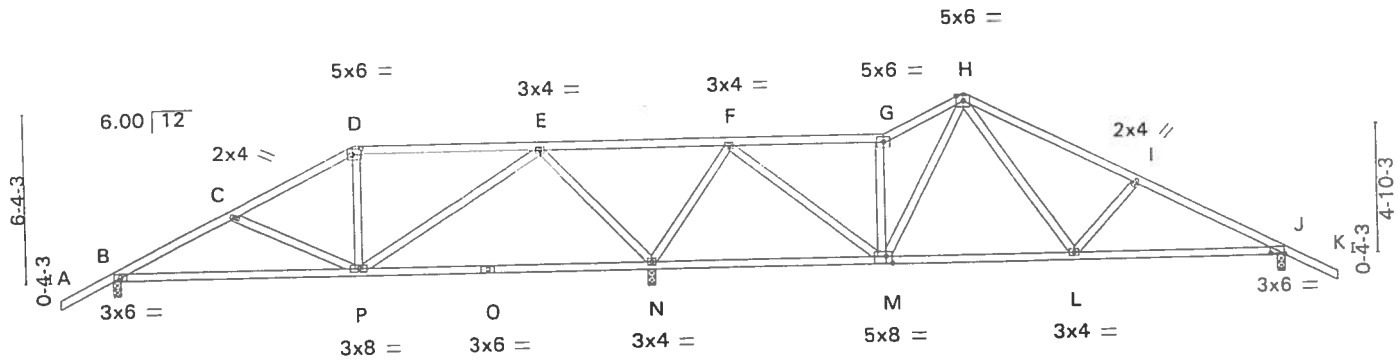
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: Q=-474.8

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509208
L45316	T21	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:19 2003 Page 1

2-0-0	4-6-10	9-0-0	16-0-12	23-1-14	29-0-0	32-0-0	38-4-4	44-0-0	46-0-0
2-0-0	4-6-10	4-5-6	7-0-12	7-1-1	5-10-3	3-0-0	6-4-4	5-7-13	2-0-0

Scale = 1:81.4



9-0-0	20-1-12	29-0-0	36-0-4	44-0-0
9-0-0	11-1-12	8-10-4	7-0-4	7-11-13

Plate Offsets (X,Y): [D:0-4-0,0-2-8], [J:0-6-8,0-0-6], [M:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.10	J-L	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.24	J-L	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.02	J	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 227 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 4-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) B=603/0-3-8, N=2270/0-3-8, J=1187/0-3-8
Max Horz B=-158(load case 5)
Max Uplift B=-283(load case 4), N=-668(load case 4), J=-453(load case 5)
Max Grav B=634(load case 6), N=2270(load case 1), J=1187(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-695, C-D=-441, D-E=-348, E-F=1121, F-G=-752, G-H=-863, H-I=-1470, I-J=-1668, J-K=47
BOT CHORD B-P=571, O-P=-352, N-O=-352, M-N=-323, L-M=756, J-L=1450
WEBS C-P=-241, D-P=-147, E-P=838, E-N=-1153, F-N=-1449, F-M=1363, G-M=-559, H-M=-9, H-L=877, I-L=-319

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, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint B, 668 lb uplift at joint N and 453 lb uplift at joint J.

LAWRENCE A. PAINE CERTIFICATE NO. 21475 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

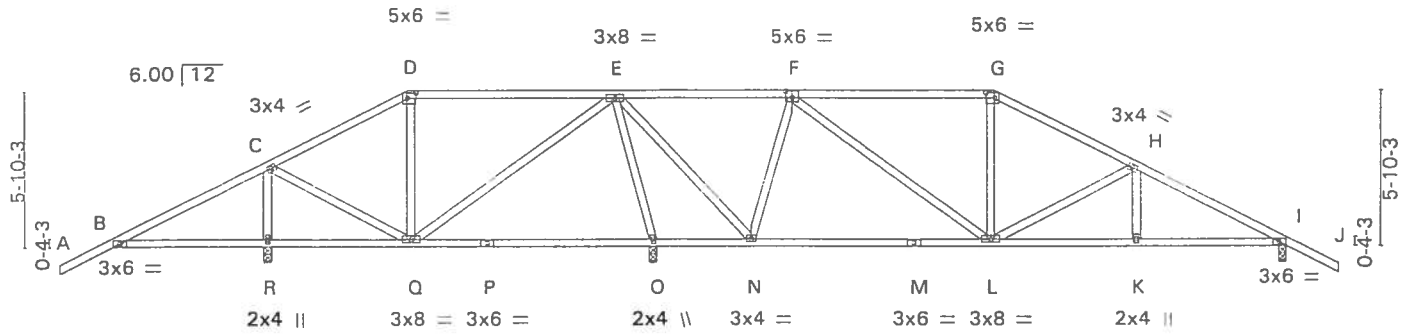
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-D=-54.0, D-G=-54.0, G-H=-54.0, H-K=-54.0, B-M=-20.0, J-M=-60.0

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG - SCAFF RES	A509209
L45316	T22	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:21 2003 Page 1

2-0-0	5-8-12	11-0-0	18-8-15	25-4-14	33-0-0	38-3-3	44-0-0	46-0-0
2-0-0	5-8-12	5-3-4	7-8-15	6-7-15	7-7-2	5-3-3	5-8-13	2-0-0

Scale = 1:81.5



5-8-12	11-0-0	20-1-12	23-10-4	33-0-0	38-3-4	44-0-0
5-8-12	5-3-4	9-1-12	3-8-8	9-1-12	5-3-4	5-8-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.14	O-Q	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.19	L-N	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.01	I	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 236 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 5-5-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) R=1028/0-3-8, O=1549/0-3-8, I=891/0-3-8
Max Horz R=-148(load case 5)
Max Uplift R=-780(load case 4), O=-575(load case 4), I=-330(load case 5)
Max Grav R=1068(load case 6), O=1567(load case 7), I=901(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=742, C-D=72, D-E=12, E-F=-124, F-G=-762, G-H=-907, H-I=-1306, I-J=47
BOT CHORD B-R=-597, Q-R=-597, P-Q=-264, O-P=-264, N-O=-639, M-N=323, L-M=323, K-L=1096, I-K=1096
WEBS C-R=-910, C-Q=675, D-Q=-357, E-Q=313, E-O=-1458, E-N=1123, F-N=-739, F-L=548, G-L=17, H-L=-380, H-K=96

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 780 lb uplift at joint R, 575 lb uplift at joint O and 330 lb uplift at joint I.

LOAD CASE(S) Standard

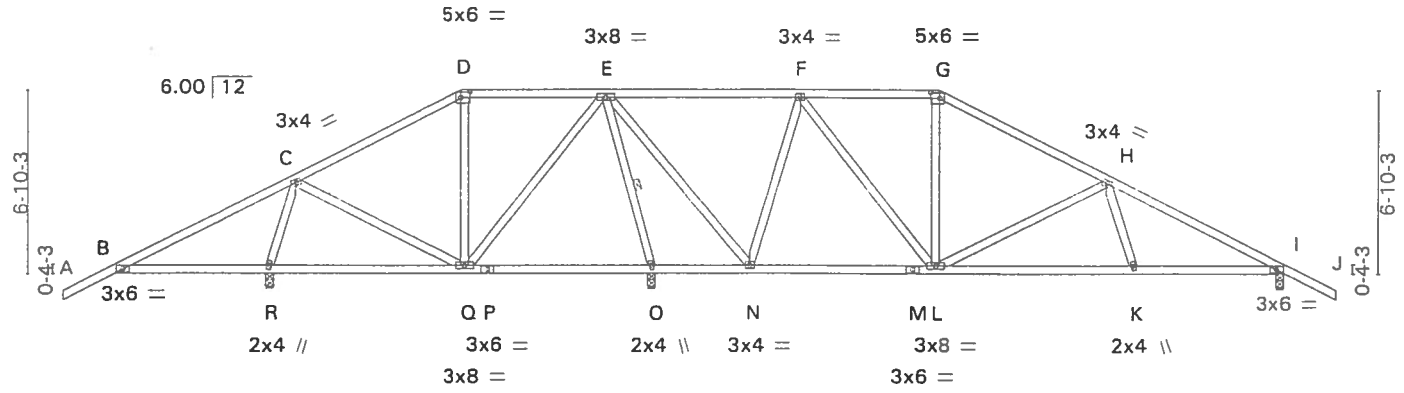
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	
L45316	T23	ROOF TRUSS	1	1	(optional)	A509210

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDOWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:22 2003 Page 1

2-0-0	6-8-11	13-0-0	18-5-1	25-8-13	31-0-0	37-3-6	44-0-0	46-0-0
2-0-0	6-8-11	6-3-6	5-5-1	7-3-13	5-3-3	6-3-6	6-8-11	2-0-0

Scale = 1:81.5



5-8-12	13-0-0	20-1-12	23-10-4	31-0-0	38-3-4	44-0-0
5-8-12	7-3-4	7-1-12	3-8-8	7-1-12	7-3-4	5-8-12

Plate Offsets (X,Y): [D:0-4-0,0-2-8], [G:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.06	Q-R	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.11	K-L	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.02	I	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 247 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 5-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt E-O

REACTIONS (lb/size) R=1029/0-3-8, O=1546/0-3-8, I=894/0-3-8
Max Horz R=-168(load case 5)
Max Uplift R=-786(load case 4), O=-539(load case 4), I=-346(load case 5)
Max Grav R=1086(load case 6), O=1546(load case 1), I=904(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=770, C-D=71, D-E=9, E-F=-90, F-G=-603, G-H=-755, H-I=-1319, I-J=47
BOT CHORD B-R=-609, Q-R=-345, P-Q=-201, O-P=-201, N-O=-594, M-N=301, L-M=301, K-L=1058, I-K=1102
WEBS C-R=-907, C-Q=387, D-Q=-281, E-Q=308, E-O=-1478, E-N=1067, F-N=-765, F-L=490, G-L=13, H-L=-516, H-K=149

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 786 lb uplift at joint R, 539 lb uplift at joint O and 346 lb uplift at joint I.

LAWRENCE A. RAINE CERTIFICATE NO. 21175 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	A509211
L45316	T24	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:24 2003 Page 1

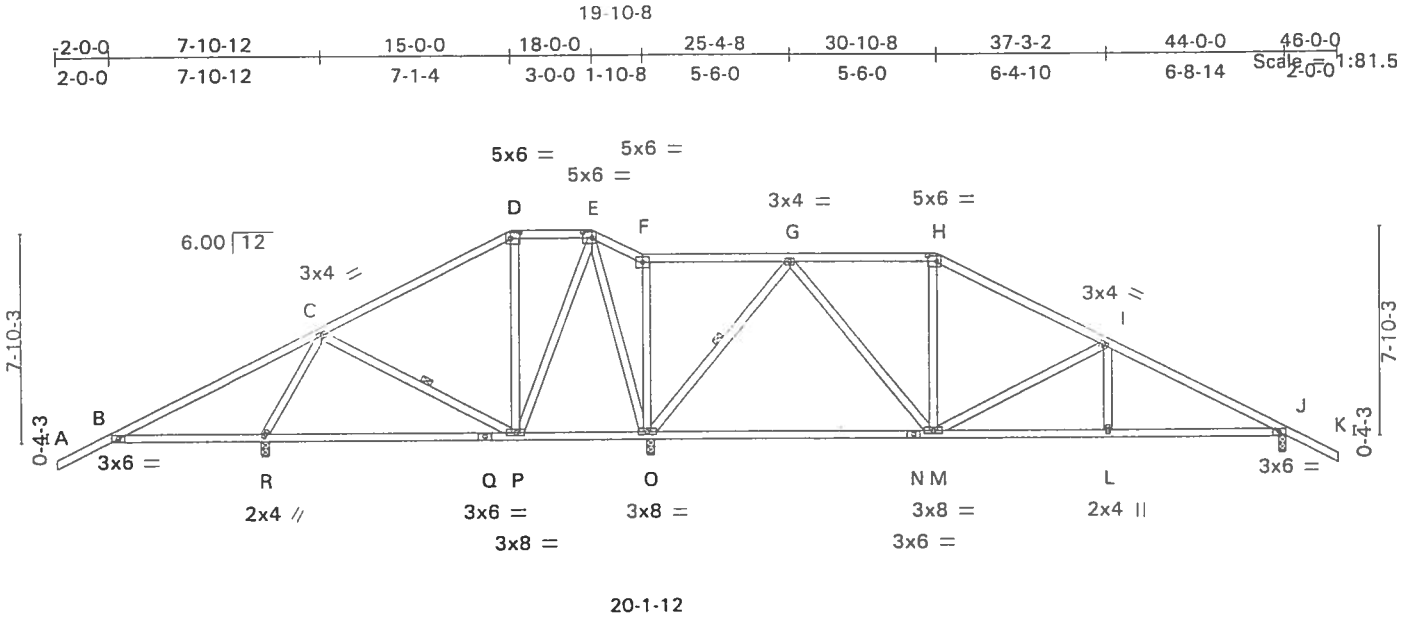


Plate Offsets (X,Y): [D:0-4-0,0-2-8], [E:0-4-0,0-2-8], [H:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0.17	P-R	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.25	M-O	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.02	J	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 254 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 5-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt C-P, G-O

REACTIONS (lb/size) R=965/0-3-8, O=1637/0-3-8, J=868/0-3-8
Max Horz R=-187(load case 5)
Max Uplift R=-772(load case 4), O=-592(load case 5), J=-369(load case 5)
Max Grav R=1072(load case 6), O=1637(load case 1), J=877(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=806, C-D=194, D-E=112, E-F=484, F-G=448, G-H=-554, H-I=-701, I-J=-1225, J-K=47
BOT CHORD B-R=-629, Q-R=-203, P-Q=-203, O-P=-275, N-O=171, M-N=171, L-M=1021, J-L=1021
WEBS C-R=-866, C-P=112, D-P=-367, E-P=462, E-O=-663, F-O=-60, G-O=-984, G-M=608, H-M=-41, I-M=-527, I-L=123

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 772 lb uplift at joint R, 592 lb uplift at joint O and 369 lb uplift at joint J.

LOAD CASE(S) Standard

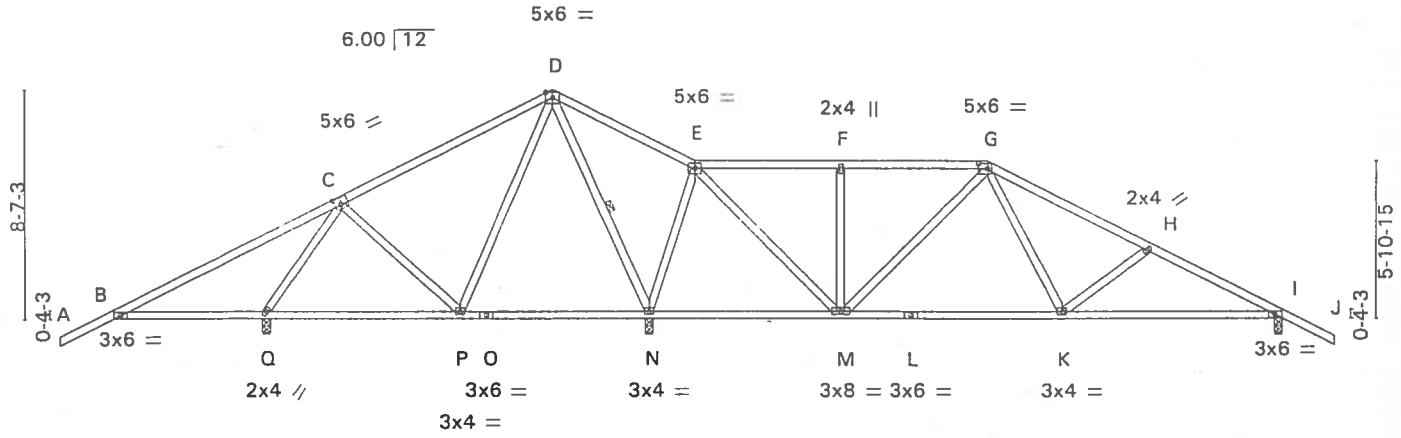
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES. A509212
L45316	T25	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:25 2003 Page 1

2-0-0	8-6-10	16-6-0	21-10-8	27-4-8	32-10-8	38-10-12	44-0-0	46-0-0
2-0-0	8-6-10	7-11-7	5-4-8	5-6-0	5-6-0	6-0-4	5-1-5	2-0-0

Scale = 1:81.5



5-8-12	13-0-3	20-1-12	27-4-8	35-8-7	44-0-0
5-8-12	7-3-7	7-1-9	7-2-12	8-3-15	8-3-10

Plate Offsets (X,Y): [C:0-2-12,0-3-0], [G:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.08	B-Q	>866	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.11	K-M	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.01	I	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 240 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 5-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-N

REACTIONS (lb/size) Q=956/0-3-8, N=1659/0-3-8, I=854/0-3-8
Max Horz Q=-201(load case 5)
Max Uplift Q=-752(load case 4), N=-623(load case 5), I=-362(load case 5)
Max Grav Q=1052(load case 6), N=1659(load case 1), I=863(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=854, C-D=224, D-E=649, E-F=-394, F-G=-394, G-H=-993, H-I=-1239, I-J=47
BOT CHORD B-Q=-664, P-Q=-142, O-P=-170, N-O=-170, M-N=-294, L-M=648, K-L=648, I-K=1052
WEBS C-Q=-932, C-P=27, D-P=125, D-N=-861, E-N=-758, E-M=983, F-M=-289, G-M=-363, G-K=388, H-K=-288

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 752 lb uplift at joint Q, 623 lb uplift at joint N and 362 lb uplift at joint I.

LOAD CASE(S) Standard

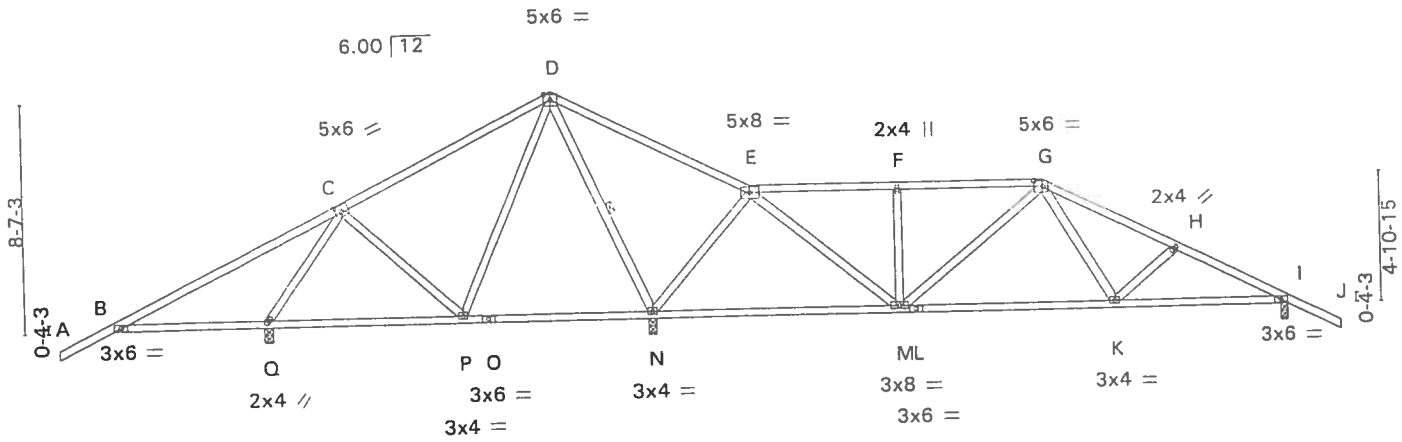
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	A509213
L45316	T26	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FI 32056, KIMBER 20 HOLDOWS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:27 2003 Page 1

-2-0-0	8-6-10	16-6-0	23-10-8	29-4-8	34-10-8	39-8-6	44-0-0	46-0-0
2-0-0	8-6-10	7-11-7	7-4-8	5-6-0	5-6-0	4-9-14	4-3-10	2-0-0

Scale = 1:81.5



5-8-12	13-0-3	20-1-12	29-4-8	37-5-5	44-0-0
5-8-12	7-3-7	7-1-9	9-2-12	8-0-13	6-6-11

Plate Offsets (X,Y): [C:0-2-12,0-3-0], [G:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.08	B-Q	>859	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.12	M-N	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.01	I	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 234 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

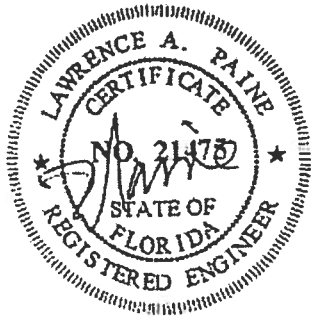
BRACING
TOP CHORD Sheathed or 5-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-N

REACTIONS (lb/size) Q = 933/0-3-8, N = 1695/0-3-8, I = 840/0-3-8
Max Horz Q = 201(load case 4)
Max Uplift Q = -753(load case 4), N = -629(load case 5), I = -360(load case 5)
Max Grav Q = 1041(load case 6), N = 1695(load case 1), I = 848(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B = 47, B-C = 855, C-D = 254, D-E = 739, E-F = -617, F-G = -617, G-H = -1068, H-I = -1239, I-J = 47
BOT CHORD B-Q = -666, P-Q = -161, O-P = -191, N-O = -191, M-N = -62, L-M = 756, K-L = 756, I-K = 1051
WEBS C-Q = -900, C-P = 22, D-P = 119, D-N = -964, E-N = -823, E-M = 886, F-M = -273, G-M = -181, G-K = 310, H-K = -194

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 753 lb uplift at joint Q, 629 lb uplift at joint N and 360 lb uplift at joint I.

LOAD CASE(S) Standard



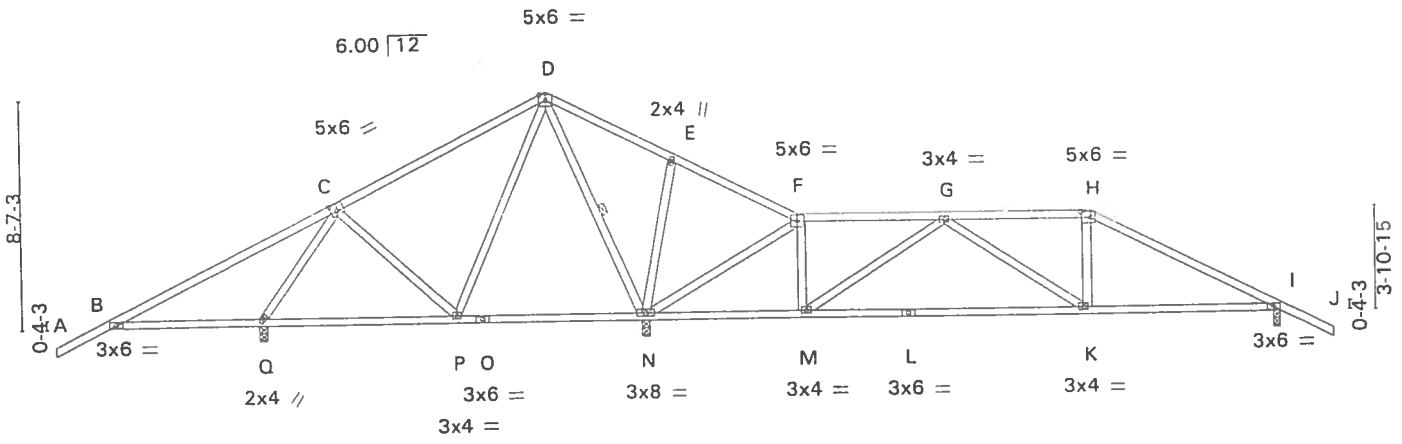
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES.	A509214
L45316	T27	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:29 2003 Page 1

2-0-0	8-6-10	16-6-0	21-2-4	25-10-8	31-4-8	36-10-8	44-0-0	46-0-0
2-0-0	8-6-10	7-11-7	4-8-4	4-8-4	5-6-0	5-6-0	7-1-8	2-0-0

Scale = 1:81.5



5-8-12	13-0-3	20-1-9	25-10-8	36-10-8	44-0-0
5-8-12	7-3-7	7-1-6	5-8-15	11-0-0	7-1-8

Plate Offsets (X,Y): [C:0-2-12,0-3-0], [H:0-4-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.08	B-Q	>872	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.27	K-M	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.02	I	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 233 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 5-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-N

REACTIONS (lb/size) Q=877/0-3-8, N=1784/0-3-8, I=809/0-3-8
Max Horz Q=-201(load case 5)
Max Uplift Q=-751(load case 4), N=-655(load case 5), I=-350(load case 5)
Max Grav Q=1017(load case 6), N=1784(load case 1), I=815(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=855, C-D=323, D-E=840, E-F=781, F-G=-196, G-H=-910, H-I=-1103, I-J=47
BOT CHORD B-Q=-665, P-Q=-195, O-P=-276, N-O=-276, M-N=173, L-M=759, K-L=759, I-K=905
WEBS C-Q=-839, C-P=-22, D-P=169, D-N=-1038, E-N=-203, F-N=-975, F-M=557, G-M=-680, G-K=182, H-K=110

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, they are exposed to wind. If cantilevers exist, the left is exposed and the right is not exposed. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 751 lb uplift at joint Q, 655 lb uplift at joint N and 350 lb uplift at joint I.

LOAD CASE(S) Standard

May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509215
L45316	T28	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, FI 32056, KIMBER 20 HOLDOWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:30 2003 Page 1

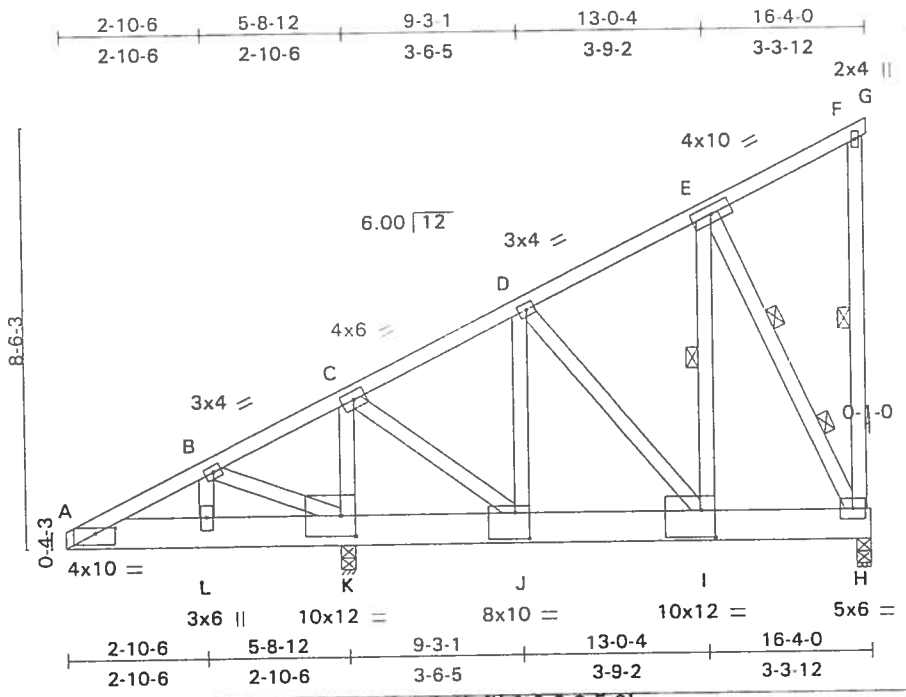


Plate Offsets (X,Y): [A:0-5-0,0-1-7], [I:0-3-8,0-6-8], [J:0-3-8,0-6-4], [K:0-3-8,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	I-J	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.09	I-J	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	-0.01	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 137 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
E-I 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 4-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt F-H, E-I
2 Rows at 1/3 pts E-H

REACTIONS (lb/size) H = 3957/0-4-0 (input: 0-3-8), K = 4603/0-4-10 (input: 0-3-8)
Max Horz K = 304(load case 4)
Max Uplift H = -2716(load case 4), K = -2913(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B = 339, B-C = 152, C-D = -2322, D-E = -1606, E-F = 19, F-G = -6, F-H = -88
BOT CHORD A-L = -275, K-L = -275, J-K = -104, I-J = 2035, H-I = 1399
WEBS B-L = -316, B-K = 188, C-K = -2919, C-J = 2711, D-J = 900, D-I = -993, E-I = 3366, E-H = -3181

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, the left is exposed and the right is not exposed. 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) WARNING: Required bearing size at joint(s) H, K greater than input bearing size.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2716 lb uplift at joint H and 2913 lb uplift at joint K.

LOAD CASE(S) Standard
1) Regular: Lumber Increase = 1.25, Plate Increase = 1.25
Uniform Loads (plf)
Vert: A-F = -54.0, F-G = -54.0, A-K = -20.0, H-K = -729.0

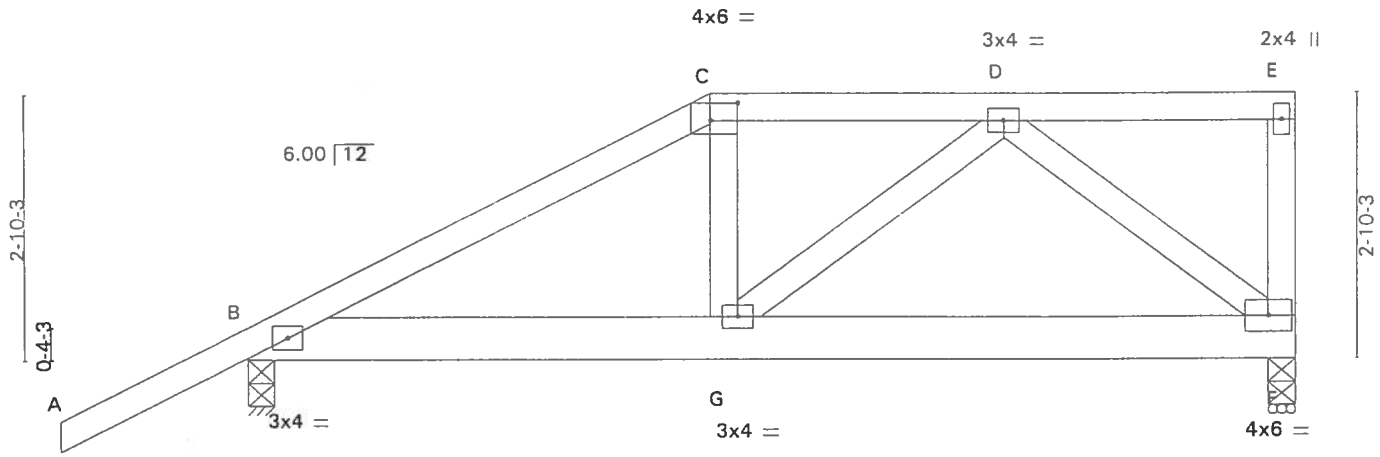
May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES. A509216
L45316	T29	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDOWS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:31 2003 Page 1

-2-0-0 | 5-0-0 | 8-1-12 | 11-3-8
2-0-0 | 5-0-0 | 3-1-12 | 3-1-12

Scale = 1:23.4



5-0-0 | 11-3-8
5-0-0 | 6-3-8

Plate Offsets (X,Y): [C: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	0.25	Vert(LL)	0.02	G	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	0.04	A-B	>724		
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.01	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 64 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) F=715/0-3-8, B=737/0-3-8
Max Horz B=160(load case 4)
Max Uplift F=-290(load case 4), B=-354(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=51, B-C=-1032, C-D=-875, D-E=-50, E-F=-133
BOT CHORD B-G=865, F-G=627
WEBS C-G=163, D-G=321, D-F=-748

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 adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 290 lb uplift at joint F and 354 lb uplift at joint B.
4) Girder carries hip end with 5-0-0 end setback

LAWRENCE A. PAINE CERTIFICATE NO. 21475 STATE OF FLORIDA REGISTERED ENGINEER

May 2,2003

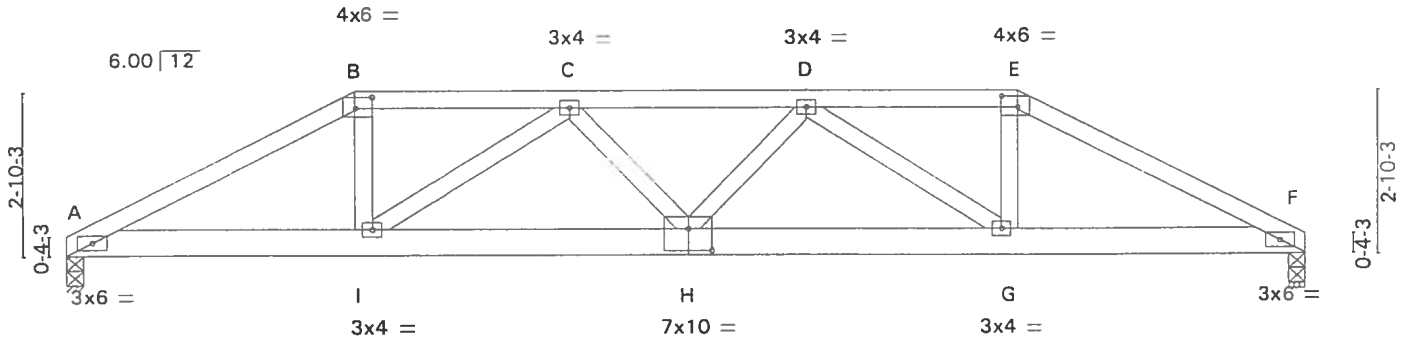
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-C=-54.0, C-E=-90.6, B-G=-20.0, F-G=-33.5
Concentrated Loads (lb)
Vert: G=-215.8

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509217
L45316	T30	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:32 2003 Page 1

5-0-0	8-8-6	12-9-10	16-6-0	21-6-0
5-0-0	3-8-6	4-1-5	3-8-6	5-0-0

Scale = 1:37.7



5-0-0	10-9-0	16-6-0	21-6-0
5-0-0	5-9-0	5-9-0	5-0-0

Plate Offsets (X,Y): [B:0-3-8,0-2-4], [E:0-3-8,0-2-4], [H:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.11	H	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.18	H	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.04	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 111 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 3-7-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-12 oc bracing.

REACTIONS (lb/size) A=1287/0-3-8, F=1287/0-3-8
Max Horz A=47(load case 4)
Max Uplift A=-499(load case 4), F=-432(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-2546, B-C=-2268, C-D=-2992, D-E=-2268, E-F=-2546
BOT CHORD A-I=2219, H-I=2910, G-H=2910, F-G=2219
WEBS B-I=821, C-I=-783, C-H=128, D-H=128, D-G=-783, E-G=821

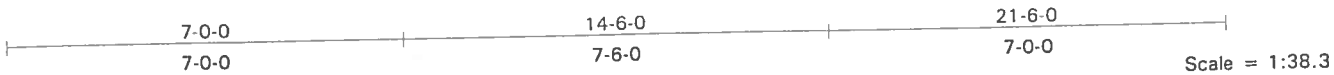
NOTES
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 If end verticals exist, they are exposed to wind. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 499 lb uplift at joint A and 432 lb uplift at joint F.
5) Girder carries hip end with 5-0-0 end setback

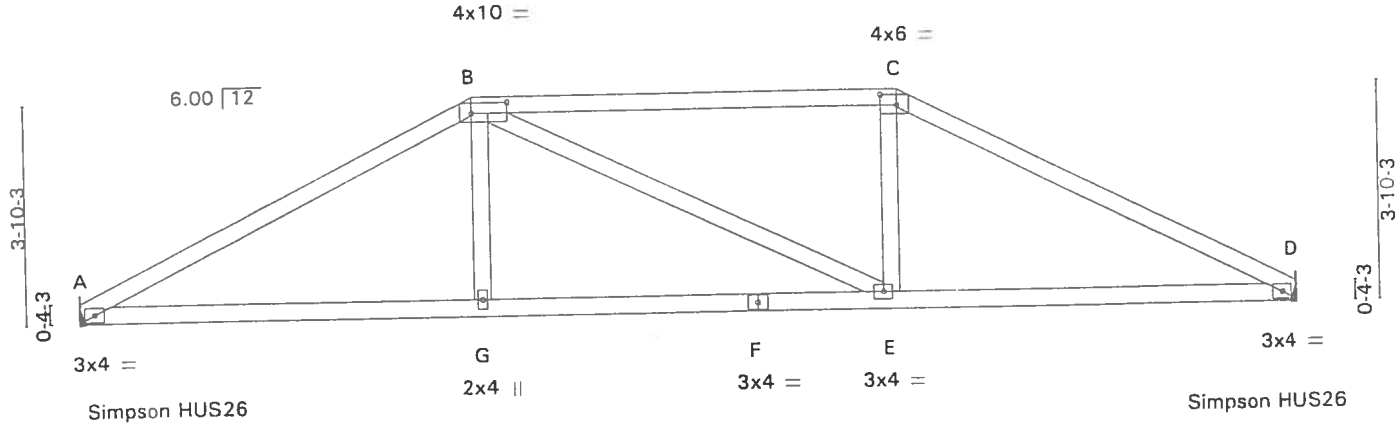
May 2,2003

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-B=-54.0, B-E=-90.6, E-F=-54.0, A-I=-20.0, G-I=-33.5, F-G=-20.0
Concentrated Loads (lb)
Vert: I=-215.8 G=-215.8

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509218
L45316	T31	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:34 2003 Page 1





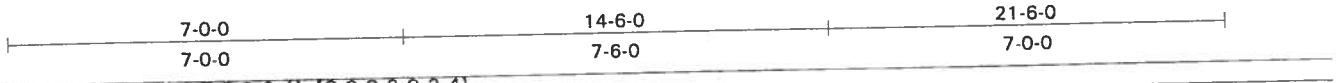


Plate Offsets (X,Y): [8:0-7-8,0-2-4], [C:0-3-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.08	D-E	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.14	A-G	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.03	D	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 88 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 5-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=791/Mechanical, D=791/Mechanical
Max Horz A=68(load case 4)
Max Uplift A=-235(load case 4), D=-163(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-1358, B-C=-1151, C-D=-1358
BOT CHORD A-G=1144, F-G=1151, E-F=1151, D-E=1145
WEBS B-G=167, B-E=0, C-E=167

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 or 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint A and 163 lb uplift at joint D.

LOAD CASE(S) Standard

May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509219
L45316	T32	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:35 2003 Page 1

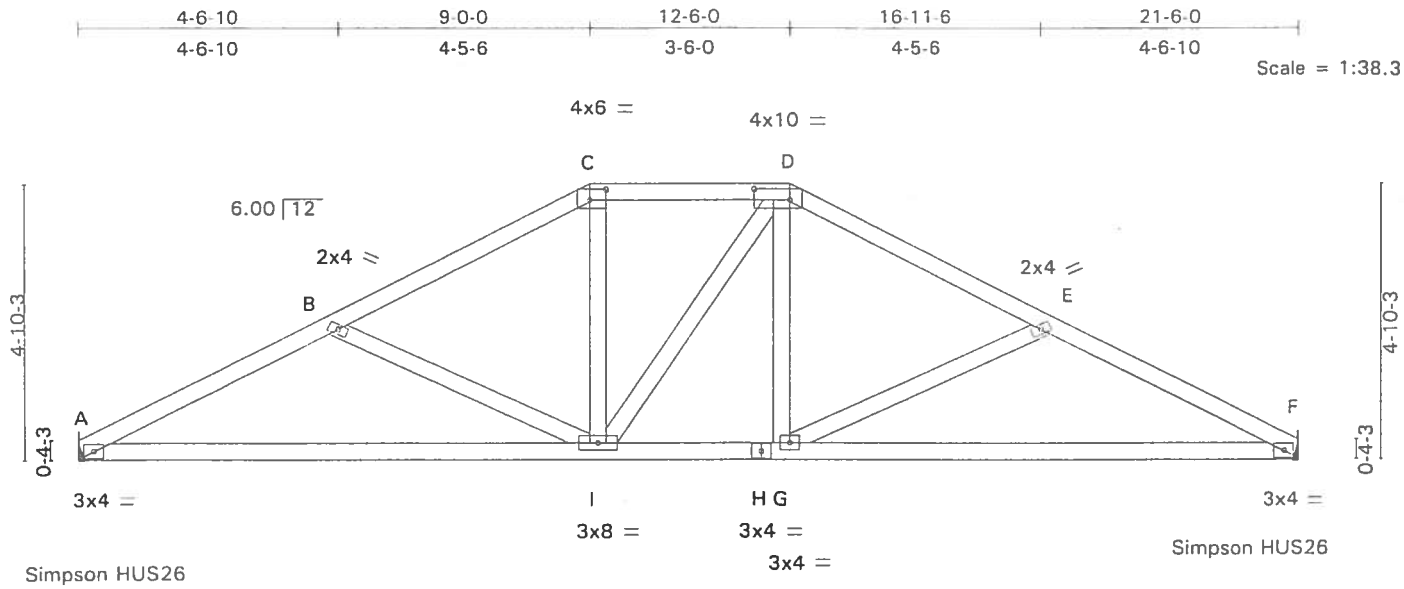


Plate Offsets (X,Y): [C:0-3-8,0-2-4], [D:0-7-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.05	A-I	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.20	F-G	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.03	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 103 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 5-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=791/Mechanical, F=791/Mechanical
Max Horz A=87(load case 4)
Max Uplift A=-217(load case 4), F=-183(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-1398, B-C=-1109, C-D=-945, D-E=-1108, E-F=-1398
BOT CHORD A-I=1221, H-I=944, G-H=944, F-G=1221
WEBS B-I=-314, C-I=260, D-I=2, D-G=260, E-G=-315

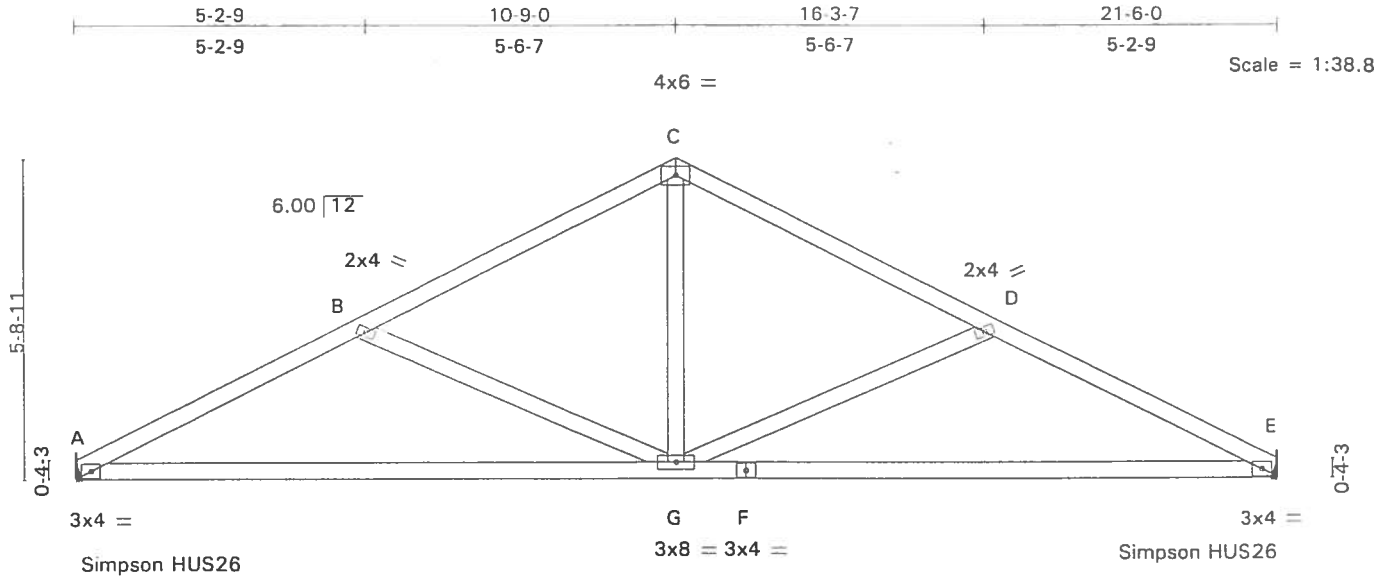
NOTES
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category II, condition I enclosed building, with exposure B ASCE 7-98 per FBC2001 If end verticals or 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint A and 183 lb uplift at joint F.

LOAD CASE(S) Standard

May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES. A509220
L45316	T33	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWA Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:36 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	0.29	Vert(LL)	0.06	A-G	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.26	A-G	>977		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.03	E	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 94 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

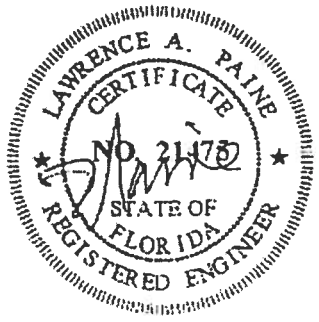
BRACING
TOP CHORD Sheathed or 5-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=791/Mechanical, E=791/Mechanical
Max Horz A=-104(load case 5)
Max Uplift A=-197(load case 4), E=-197(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-1366, B-C=-1022, C-D=-1022, D-E=-1366
BOT CHORD A-G=1190, F-G=1190, E-F=1190
WEBS B-G=-371, C-G=548, D-G=-371

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 or 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint A and 197 lb uplift at joint E.

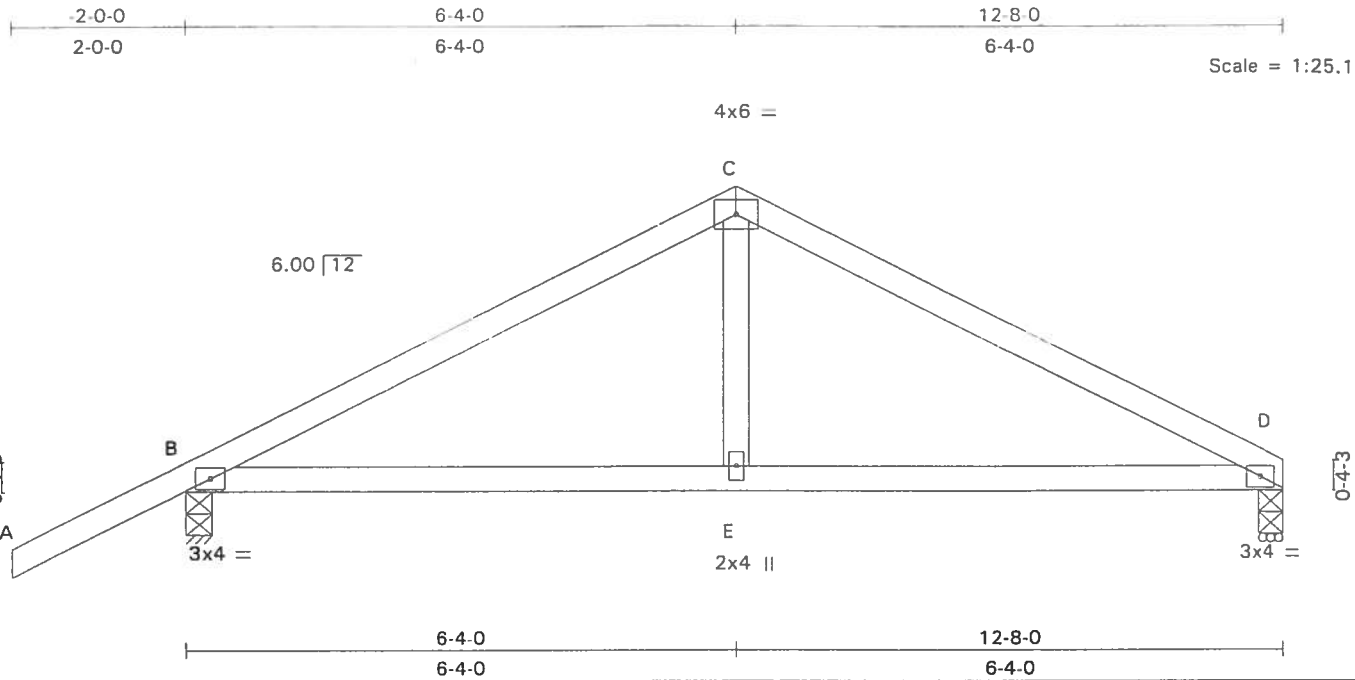
LOAD CASE(S) Standard



May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509221
L45316	T34	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:37 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	0.24	Vert(LL)	0.04	D-E	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.07	D-E	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	D	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 48 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=448/0-3-8, B=584/0-3-8
Max Horz B=121(load case 4)
Max Uplift D=-112(load case 5), B=-238(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-654, C-D=-650
BOT CHORD B-E=518, D-E=518
WEBS C-E=165

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, they are exposed to wind. 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint D and 238 lb uplift at joint B.

LOAD CASE(S) Standard

May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES.	A509222
L45316	T34G	KINGPOST	2	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAO Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:38 2003 Page 1

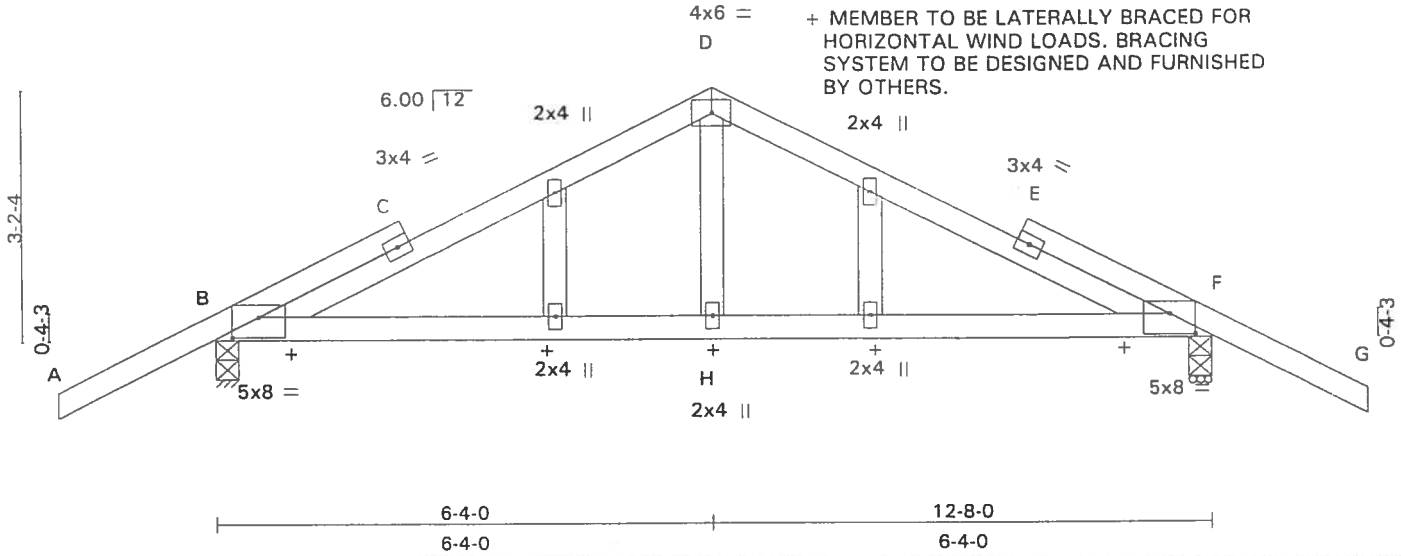


Plate Offsets (X,Y): [B:0-4-0,0-3-1], [F:0-4-0,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.02	F-H	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.06	F-H	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 62 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.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) B=574/0-3-8, F=574/0-3-8
Max Horz B=-97(load case 5)
Max Uplift B=-237(load case 4), F=-237(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-669, C-D=-620, D-E=-620, E-F=-669, F-G=47
BOT CHORD B-H=554, F-H=554
WEBS D-H=156

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, they are exposed to wind. 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint B and 237 lb uplift at joint F.
4) Truss designed for wind loads in plane of the truss only. For studs exposed to wind (normal to the face), se MiTek "Standard Gable End Detail".
5) The building designer is responsible for the design of the roof and ceiling diaphragms, gable and shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint ot the gable end. All connections to be designed by the building designer.
6) Gable truss supports 0' 8" max. rake gable overhang.

May 2,2003

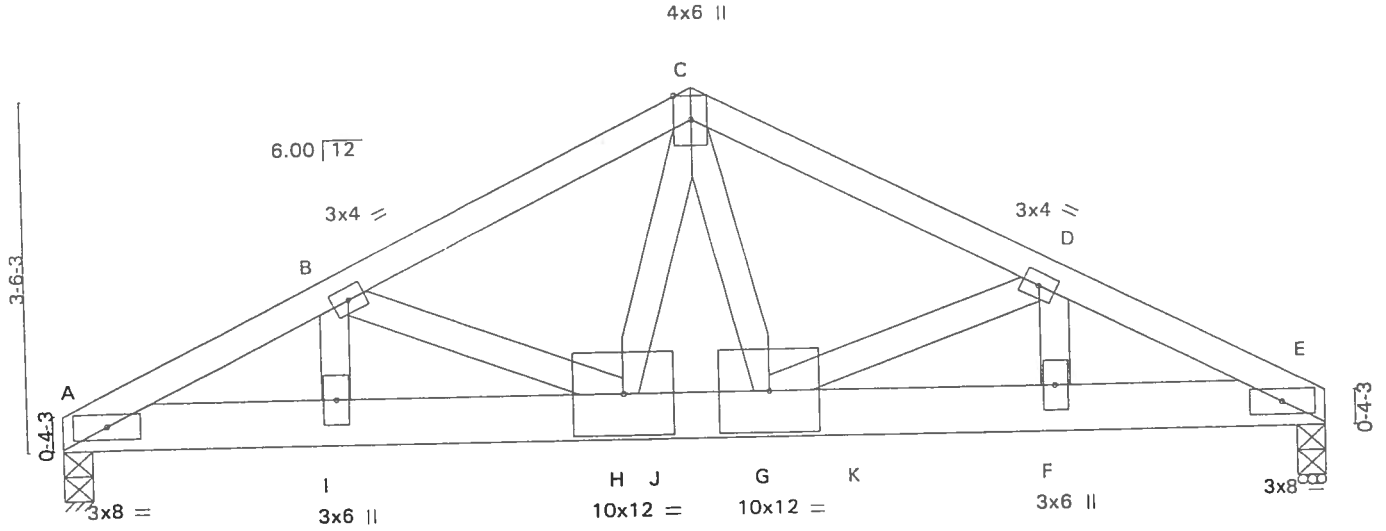
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES.	A509223
L45316	T35	ROOF TRUSS	1	2	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:40 2003 Page 1

2-8-12 | 6-4-0 | 9-11-4 | 12-8-0
2-8-12 | 3-7-4 | 3-7-4 | 2-8-12

Scale = 1:21.8



2-8-12 | 5-7-4 | 7-0-12 | 9-11-4 | 12-8-0
2-8-12 | 2-10-8 | 1-5-8 | 2-10-8 | 2-8-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	0.07	F-G	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.12	F-G	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.03	E	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 142 lb	

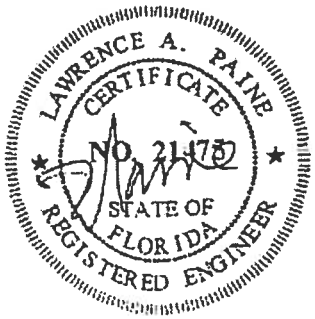
LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-8-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=3828/0-3-8, E=4858/0-3-8
Max Horz A=-60(load case 5)
Max Uplift A=-1230(load case 4), E=-1572(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=-6816, B-C=-5778, C-D=-6303, D-E=-8296
BOT CHORD A-I=6043, H-I=6043, H-J=4800, G-J=4800, G-K=7362, F-K=7362, E-F=7362
WEBS B-I=811, B-H=-975, C-H=1571, C-G=3652, D-G=-1904, D-F=1643

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, they are exposed to wind. 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 1230 lb uplift at joint A and 1572 lb uplift at joint E.
4) 2-ply truss to be connected together with 10d Common(.148"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 6 - 2 rows at 0-5-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

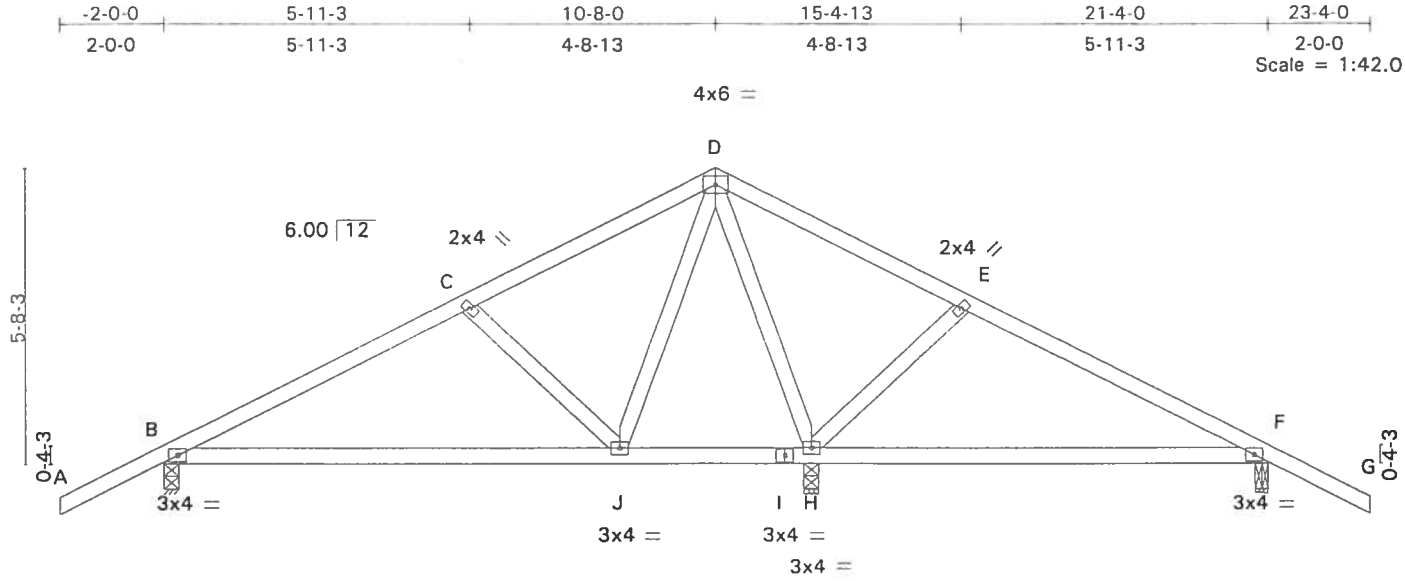


May 2,2003

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-C=-54.0, C-E=-54.0, A-J=-416.0, J-K=-20.0, E-K=-709.0
Concentrated Loads (lb)
Vert: G=-2337.0

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. SCAFF RES. A509224
L45316	T36	ROOF TRUSS	2	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:41 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	0.28	Vert(LL)	0.15	F-H	>714	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.14	B-J	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.00	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 102 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 6-0-0 oc bracing.

REACTIONS (lb/size) B=513/0-3-8, H=927/0-3-8, F=349/0-3-0
Max Horz B=-145(load case 5)
Max Uplift B=-227(load case 4), H=-312(load case 4), F=-313(load case 5)
Max Grav B=524(load case 6), H=927(load case 1), F=381(load case 7)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-447, C-D=-214, D-E=254, E-F=-100, F-G=47
BOT CHORD B-J=341, I-J=20, H-I=20, F-H=33
WEBS C-J=-293, D-J=347, D-H=-617, E-H=-302

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, they are exposed to wind. If cantilevers exist, they are not exposed to wind. If porches exist, the right is exposed and the left is not exposed. The lumber DOL increase is 1.60, and the plate grip increase is 1.60
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint B, 312 lb uplift at joint H and 313 lb uplift at joint F.

LOAD CASE(S) Standard

May 2,2003

Job	Truss	Truss Type	Qty	Ply	NORTON BLDG. - SCAFF RES. A509225
L45316	T36G	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056 4.201 SR1 s Nov 16 2000 MiTek Industries, Inc. Thu May 01 10:51:09 2003 Page 1

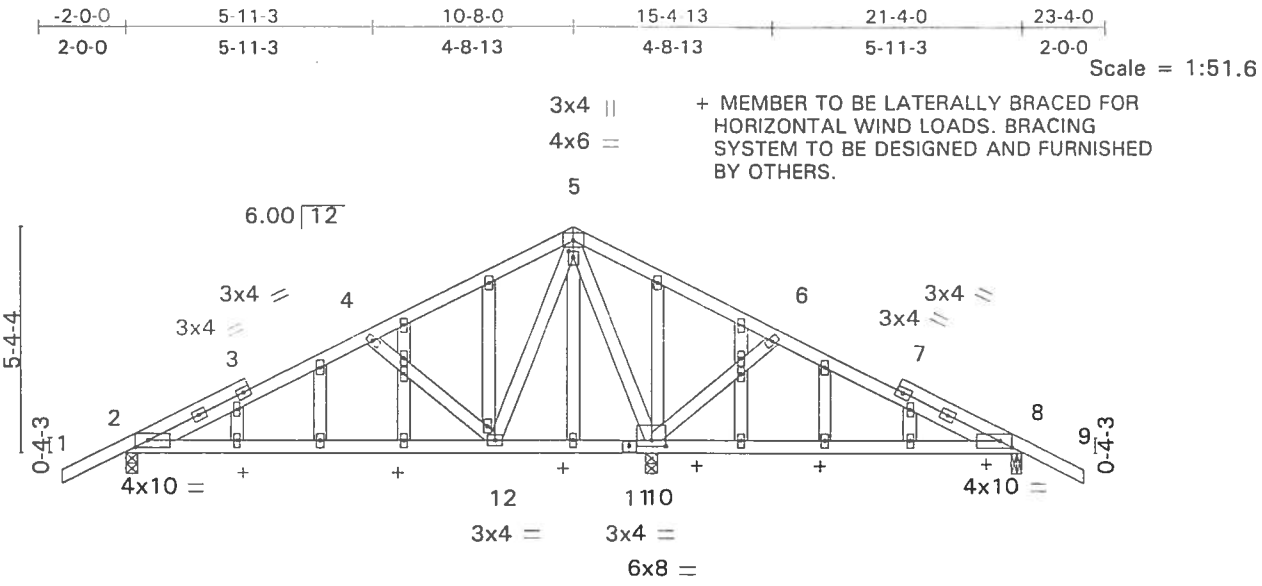


Plate Offsets (X,Y): [2:0-3-12,0-2-0], [5:0-1-8,0-1-12], [8:0-3-12,0-2-0], [10:0-4-0,0-1-12]

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	8-10	>811	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.14	2-12	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.01	10	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 140 lb	

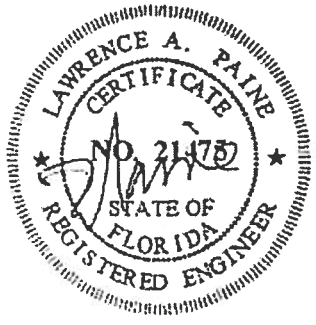
LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=648/0-3-8, 8=382/0-3-0, 10=1509/0-3-8
Max Horz 2=-128(load case 5)
Max Uplift 2=-317(load case 4), 8=-334(load case 5), 10=-669(load case 4)
Max Grav 2=671(load case 6), 8=428(load case 7), 10=1509(load case 1)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=57, 2-3=-557, 3-4=-476, 4-5=-174, 5-6=636, 6-7=260, 7-8=132, 8-9=57
BOT CHORD 2-12=448, 11-12=-104, 10-11=-104, 8-10=-122
WEBS 4-12=-510, 5-12=485, 5-10=-1123, 6-10=-490

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, they are exposed to wind. If cantilevers exist, they are not exposed to wind. If porches exist, the right is exposed and the left is not exposed. The lumber DOL increase is 1.60, and the plate grip increase is 1.60
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 MII20 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 317 lb uplift at joint 2, 334 lb uplift at joint 8 and 669 lb uplift at joint 10.
7) The building designer is responsible for the design of the roof and ceiling diaphragms, gable and shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint ot the gable end. All connections to be designed by the building designer.
8) Gable truss supports 0' 8" max. rake gable overhang.



May 2,2003

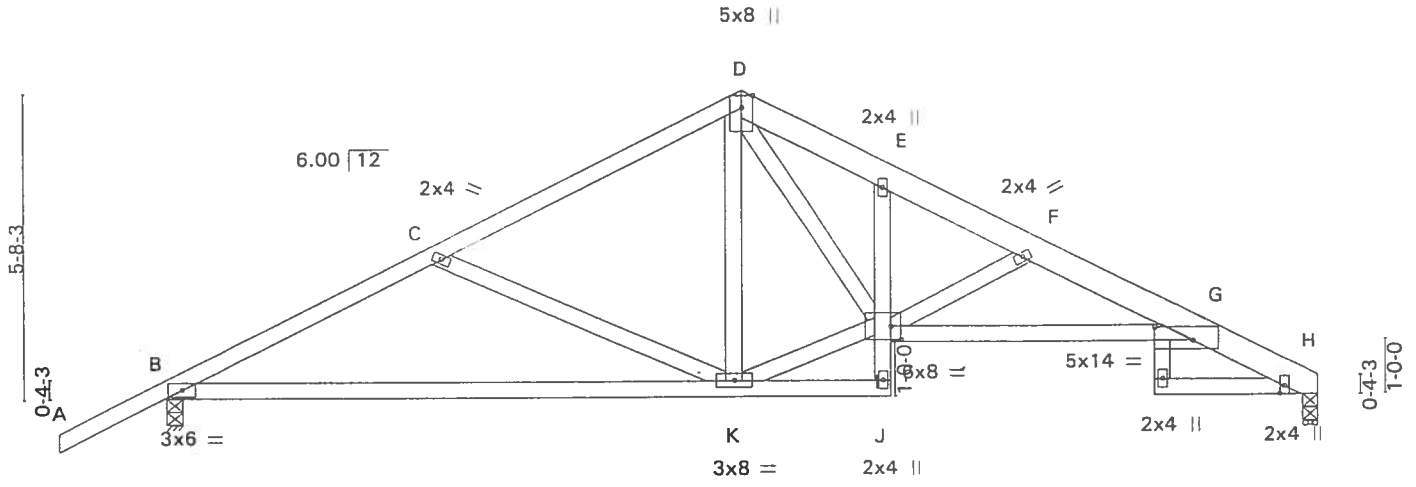
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-87.0, 5-9=-87.0, 2-8=-20.0

Job	Truss	Truss Type	Qty	Ply	SCAFF RES. - NORTON BLDG. A511011
L45316	T37	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 2.01 HOLDOWS Oct 17 2001 MiTek Industries, Inc. Thu May 01 13:39:47 2003 Page 1

-2-0-0	5-1-4	10-8-0	13-5-0	15-10-4	18-3-8	19-10-6	21-4-0	23-4-0
2-0-0	5-1-4	5-6-12	2-9-0	2-5-4	2-5-4	1-6-14	1-5-10	2-0-0

Scale = 1:40.4



10-8-0	13-5-0	18-3-8	21-4-0
10-8-0	2-9-0	4-10-8	3-0-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.95	Vert(LL)	-0.18	G-I	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.35	G-I	>727		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.17	H	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 119 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except* D-H 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D *Except* G-I 2 X 4 SYP No.1D, G-L 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 2-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) H=773/0-3-8, B=900/0-3-8
Max Horz B=163(load case 4)
Max Uplift H=-193(load case 5), B=-314(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1294, C-D=-984, D-E=-1380, E-F=-1526, F-G=-2041, G-H=-310
BOT CHORD B-K=1116, J-K=-59, I-J=-42, E-I=82, G-I=1991
WEBS C-K=-321, D-K=14, I-K=939, D-I=812, F-I=-804

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, they are exposed to wind. 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) Bearing at joint(s) H 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 193 lb uplift at joint H and 314 lb uplift at joint B.

LOAD CASE(S) Standard

May 1,2003

Job	Truss	Truss Type	Qty	Ply	SCAFF RES. - NORTON BLDG. A511012
L45316	T38	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER HOLSEWAG Oct 17 2001 MiTek Industries, Inc. Thu May 01 13:39:48 2003 Page 1

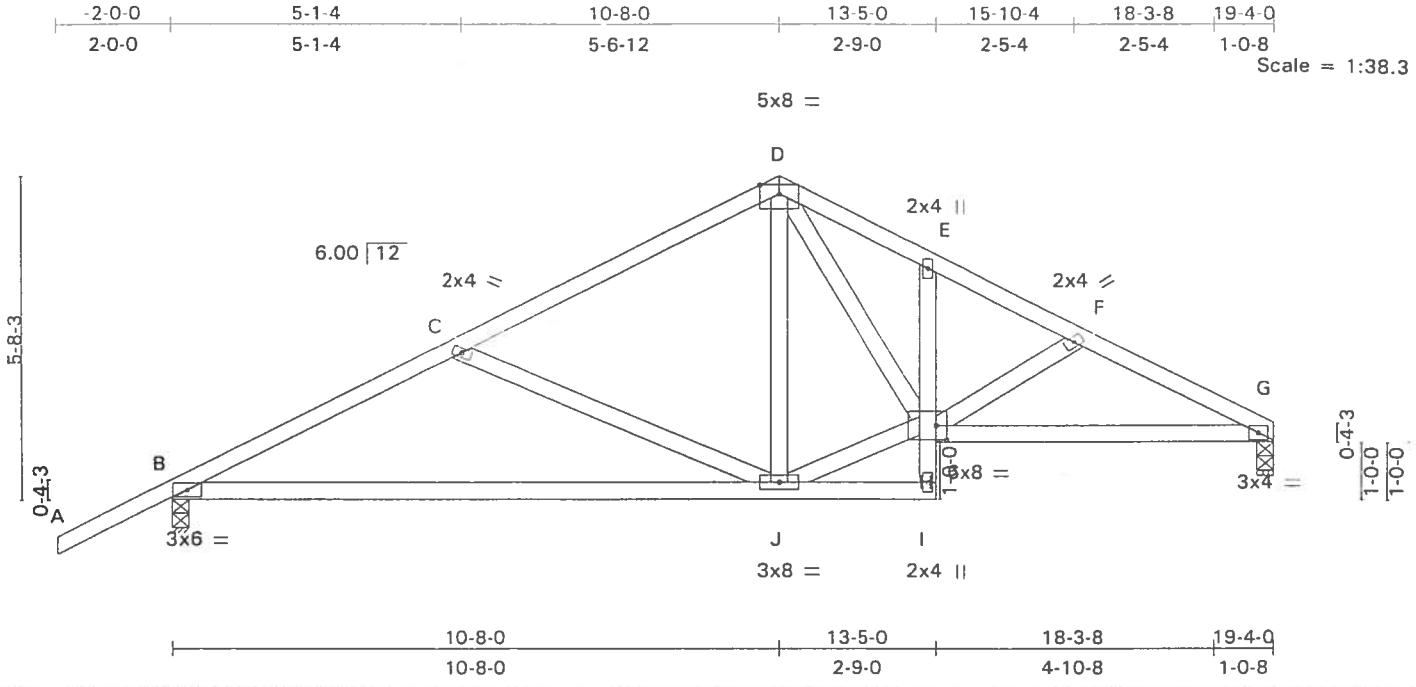


Plate Offsets (X,Y): [H:0-2-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.03	H	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.23	B-J	>977		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.03	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 102 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 5-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) G=698/0-3-8, B=827/0-3-8
Max Horz B=188(load case 4)
Max Uplift G=-162(load case 5), B=-302(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1138, C-D=-810, D-E=-1020, E-F=-1091, F-G=-1243
BOT CHORD B-J=980, I-J=-26, H-I=-50, E-H=-61, G-H=1074
WEBS C-J=-347, D-J=86, H-J=736, D-H=491, F-H=-156

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint G and 302 lb uplift at joint B.

LOAD CASE(S) Standard

May 1,2003

Job	Truss	Truss Type	Qty	Ply	SCAFF RES. - NORTON BLDG. A511012
L45316	T38	ROOF TRUSS	1	1	(optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLSWAG Oct 17 2001 MiTek Industries, Inc. Thu May 01 13:39:48 2003 Page 1

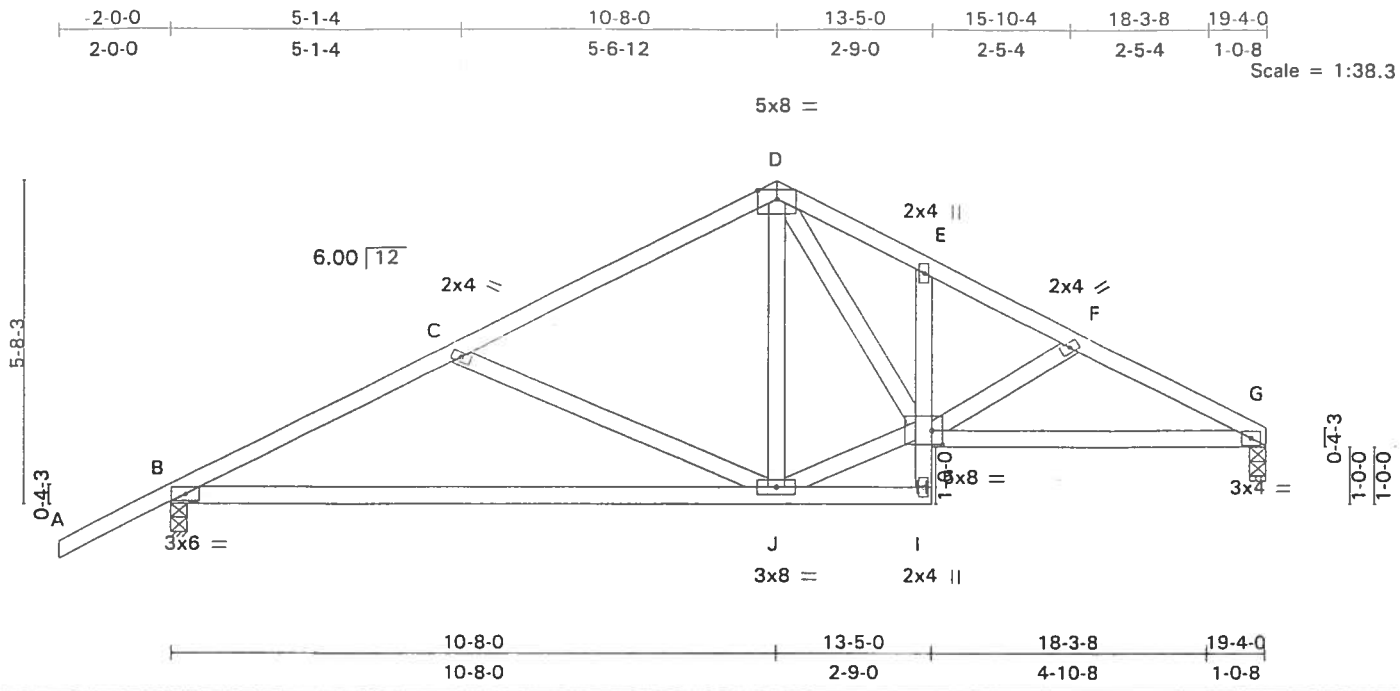


Plate Offsets (X,Y): [H:0-2-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.03	H	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.23	B-J	>977		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.03	G	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 102 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

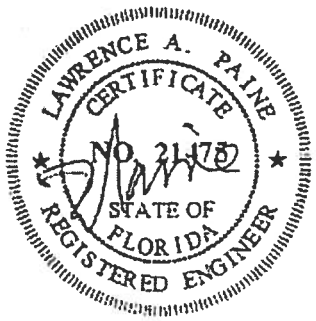
BRACING
TOP CHORD Sheathed or 5-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) G=698/0-3-8, B=827/0-3-8
Max Horz B=188(load case 4)
Max Uplift G=-162(load case 5), B=-302(load case 4)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1138, C-D=-810, D-E=-1020, E-F=-1091, F-G=-1243
BOT CHORD B-J=980, I-J=-26, H-I=-50, E-H=-61, G-H=1074
WEBS C-J=-347, D-J=86, H-J=736, D-H=491, F-H=-156

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint G and 302 lb uplift at joint B.

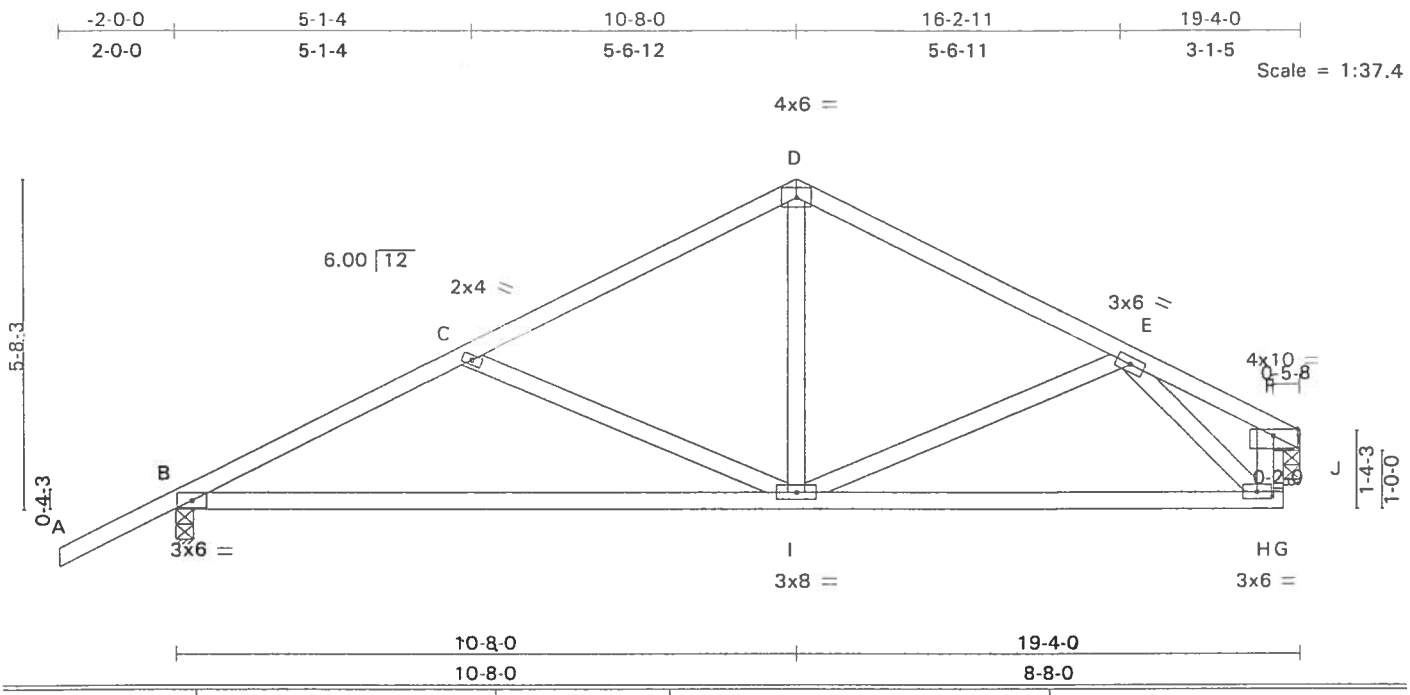
LOAD CASE(S) Standard



May 1,2003

Job	Truss	Truss Type	Qty	Ply	SCAFF RES. - NORTON BLDG.	A511013
L45316	T39	ROOF TRUSS	1	1	(optional)	

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDEWAY Oct 17 2001 MiTek Industries, Inc. Thu May 01 13:39:49 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	0.28	Vert(LL)	0.02	H-I	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.23	B-I	>975		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.02	J	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st LC LL Min l/defl = 240				Weight: 97 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*
F-H 2 X 4 SYP No.2D
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Sheathed or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) B=810/0-3-8, J=697/0-3-8
Max Horz B=165(load case 4)
Max Uplift B=-299(load case 4), J=-152(load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD A-B=47, B-C=-1097, C-D=-777, D-E=-774, E-F=-95, H-J=622, F-J=-48
BOT CHORD B-I=942, H-I=577, G-H=0
WEBS C-I=-335, D-I=309, E-I=64, E-H=-746

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, they are exposed to wind. 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) Bearing at joint(s) J 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 299 lb uplift at joint B and 152 lb uplift at joint J.

LOAD CASE(S) Standard

May 1,2003