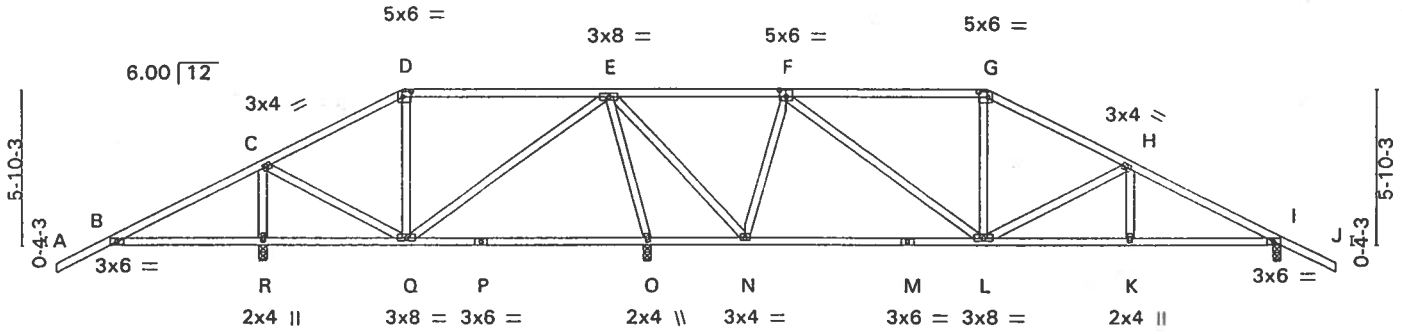
Job	Truss	Truss Type	Qty	Ply	NORTON BLDG.- SCAFF RES. A509209
L45316	T22	ROOF TRUSS	1	1	(optional)

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

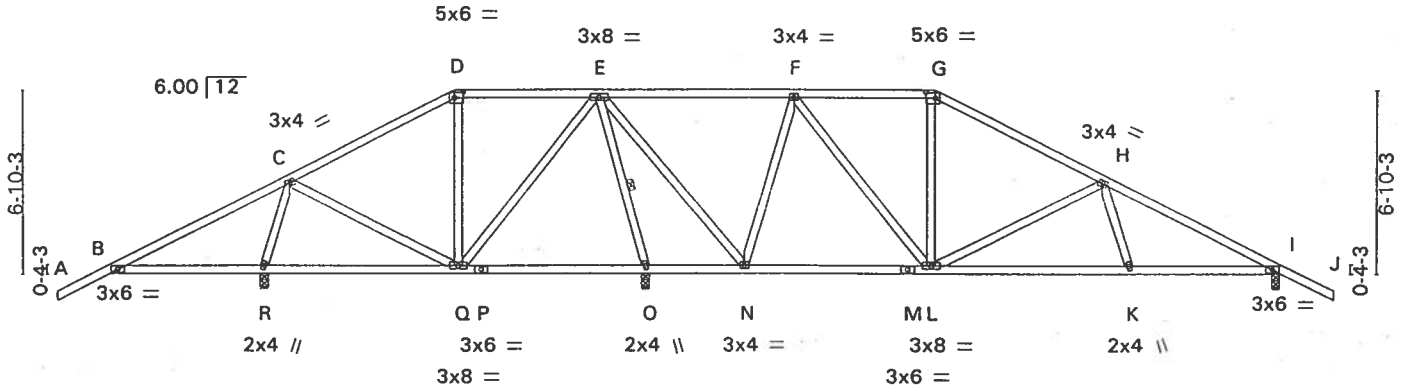
May 2,2003

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

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAG 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.

LOAD CASE(S) Standard

May 2,2003

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 20 HOLDWAC Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:24 2003 Page 1

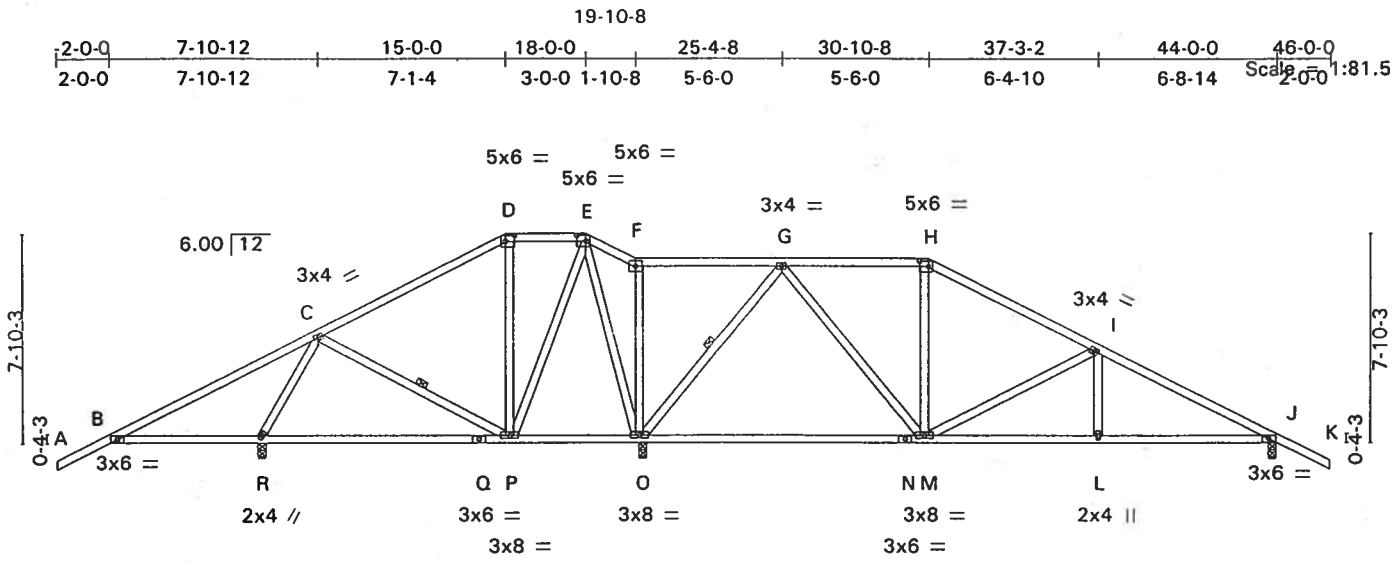


Plate Offsets (X,Y): [D:0-4-0,0-2-8], [E:0-4-0,0-2-8], [H:0-4-0,0-2-8]

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

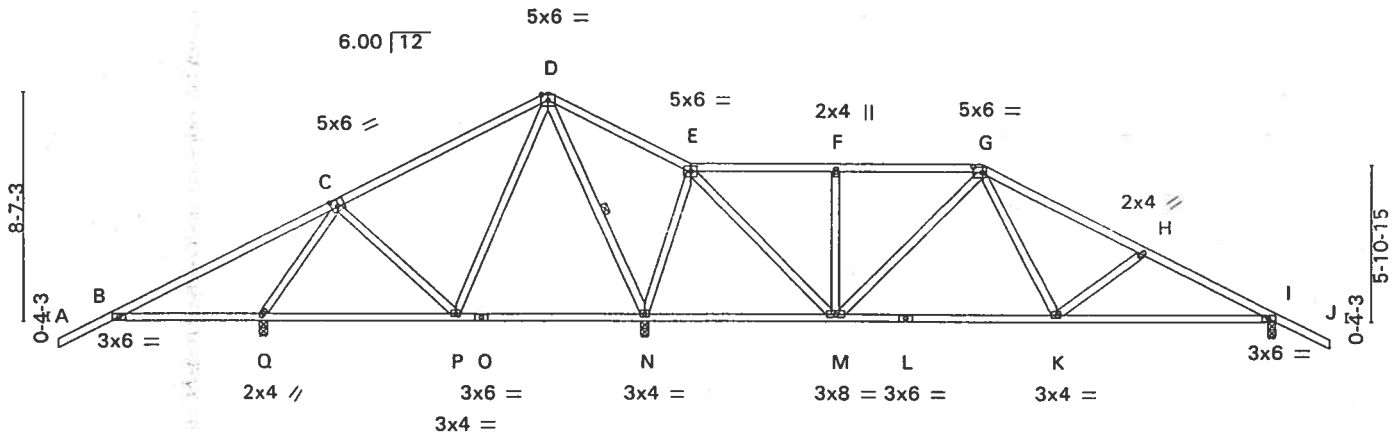
May 2,2003

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 HOLDWAY 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

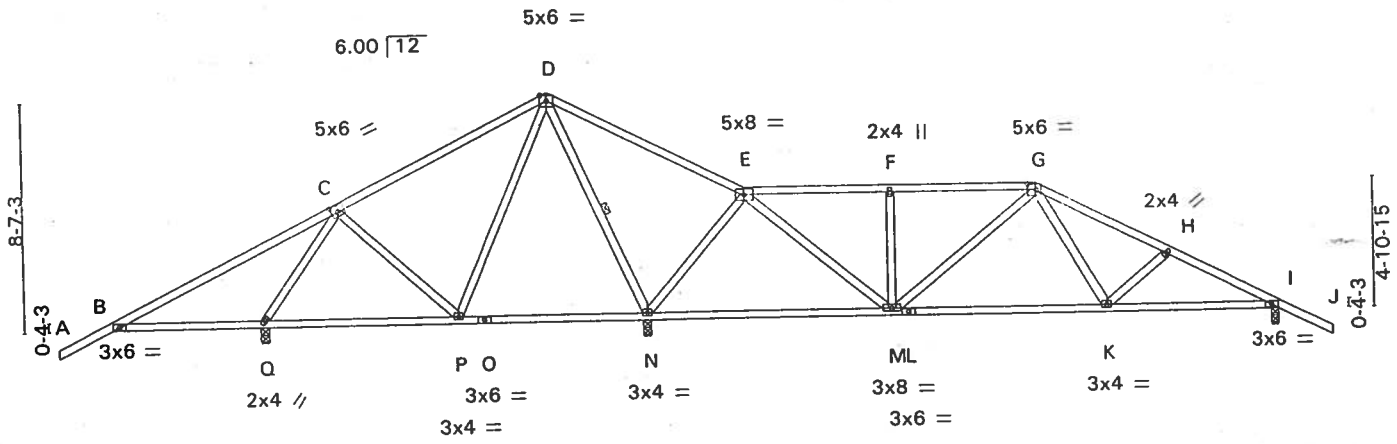
May 2,2003

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

Builder's FirstSource, Lake City, Fl 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

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

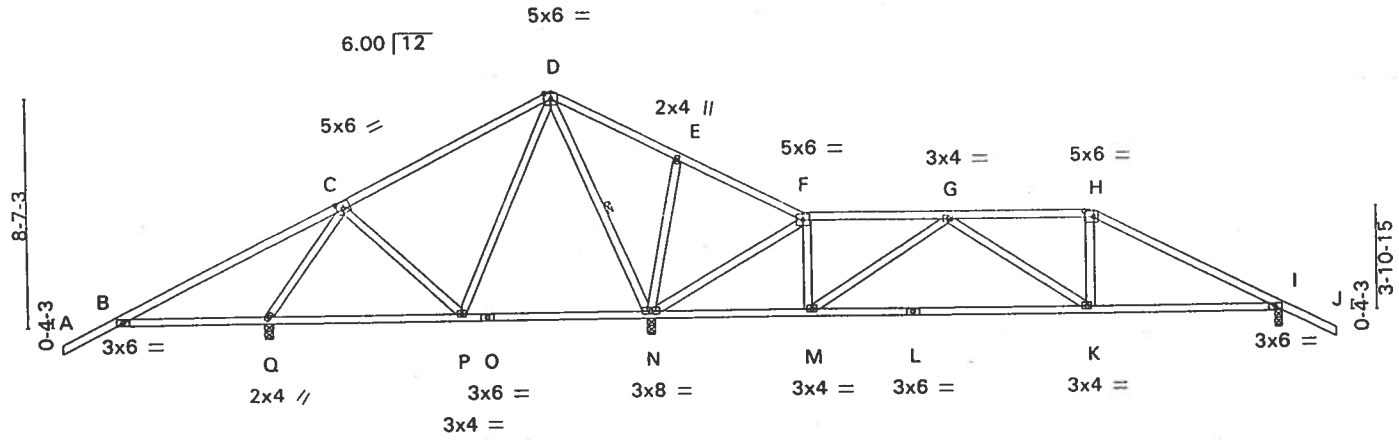
May 2,2003

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 HOLDINGS 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, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:30 2003 Page 1

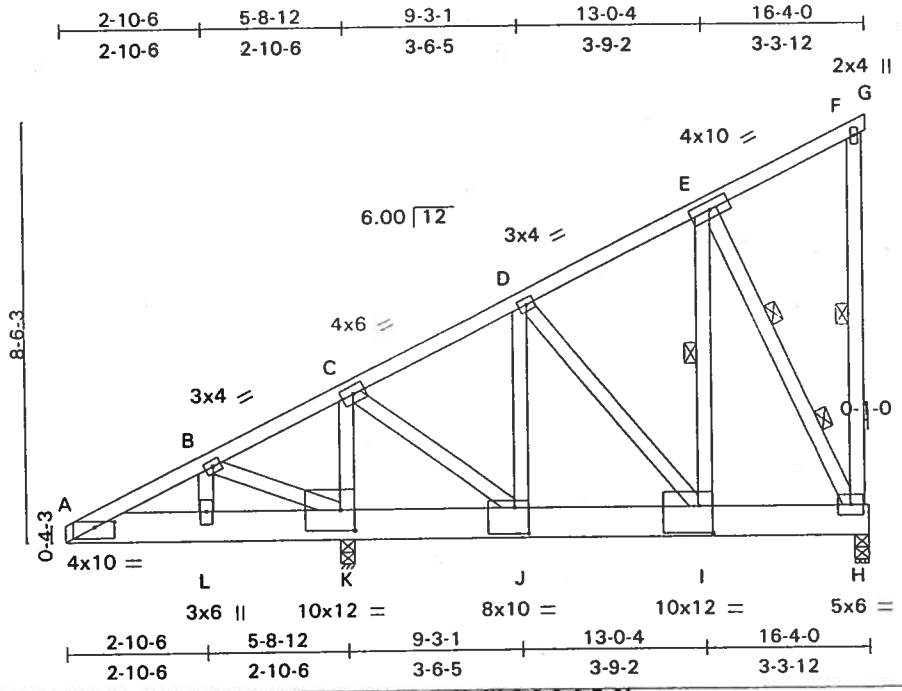


Plate Offsets (X,Y): [A:0-5-0,0-1-7], [I:0-3-8,0-6-8], [J:0-3-8,0-6-4], [K:0-3-8,0-5-0]

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 UpliftH=-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 HOLDINGS Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:31 2003 Page 1

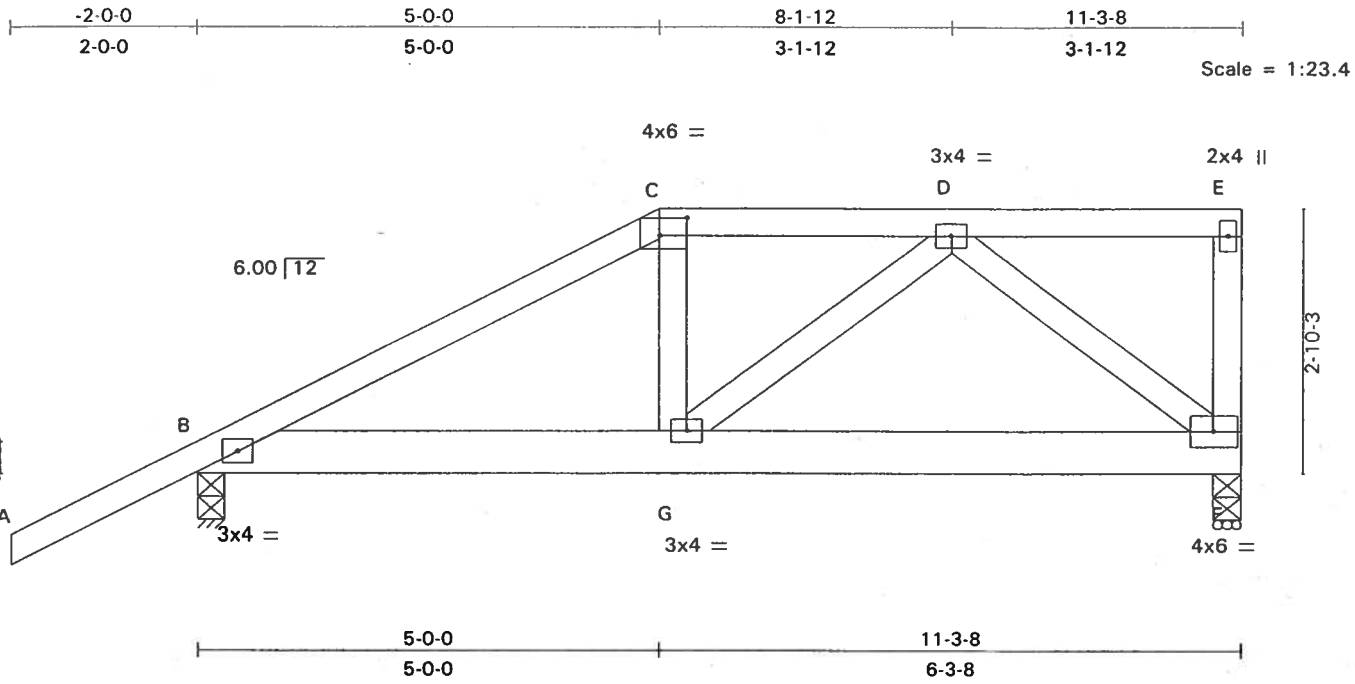


Plate Offsets (X,Y): [C:0-3-8,0-2-4]

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

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)

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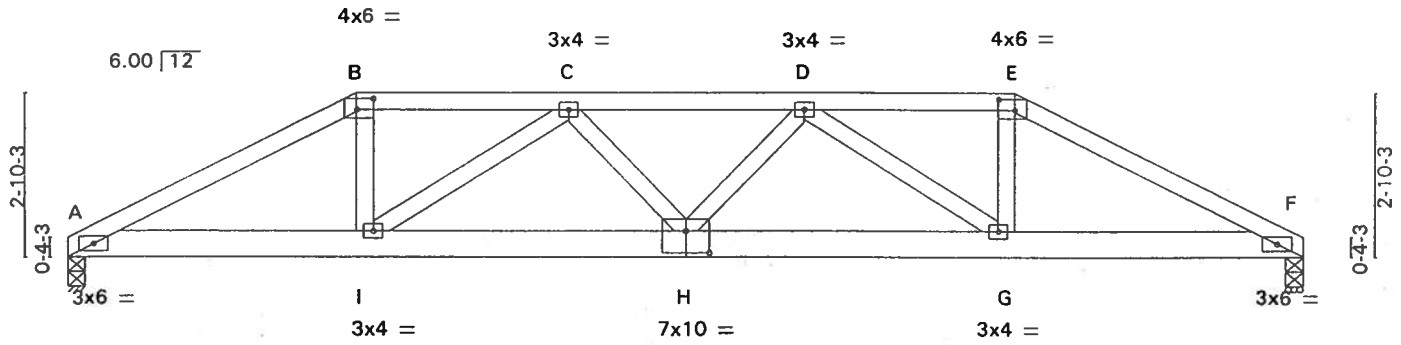
5-0-0	8-8-6	12-9-10	16-6-0	21-6-0
5-0-0	3-8-6	4-1-5	3-8-6	5-0-0

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

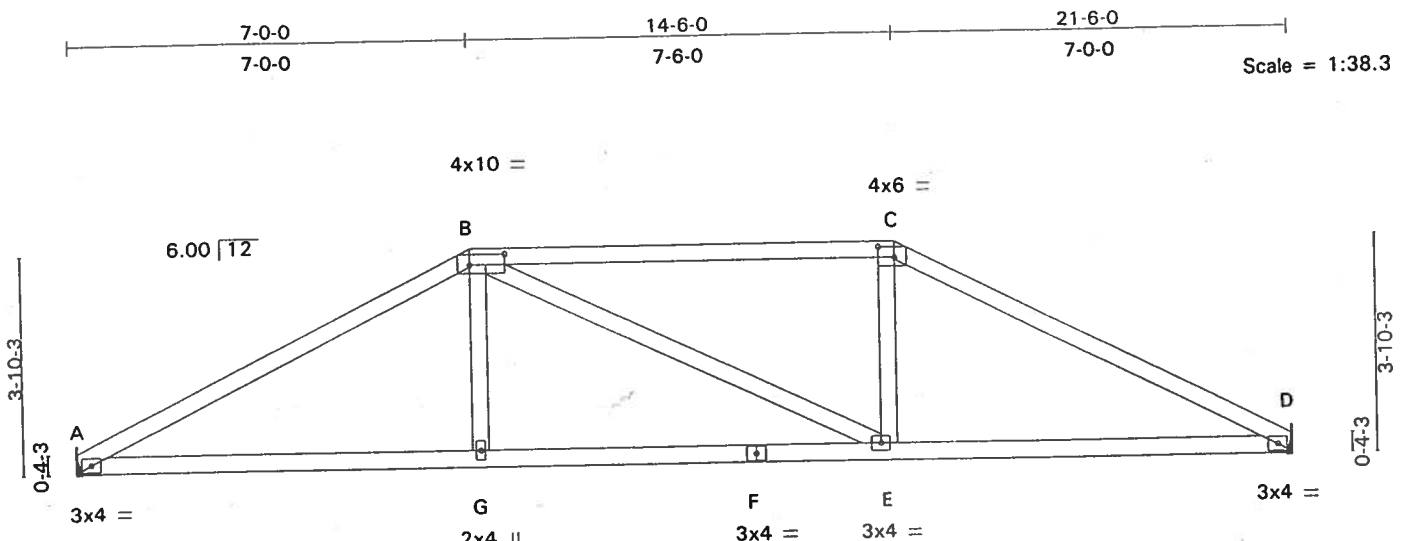
NOTES
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category 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 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:34 2003 Page 1



7-0-0
7-0-0
14-6-0
7-6-0
21-6-0
7-0-0

Plate Offsets (X,Y): [B: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

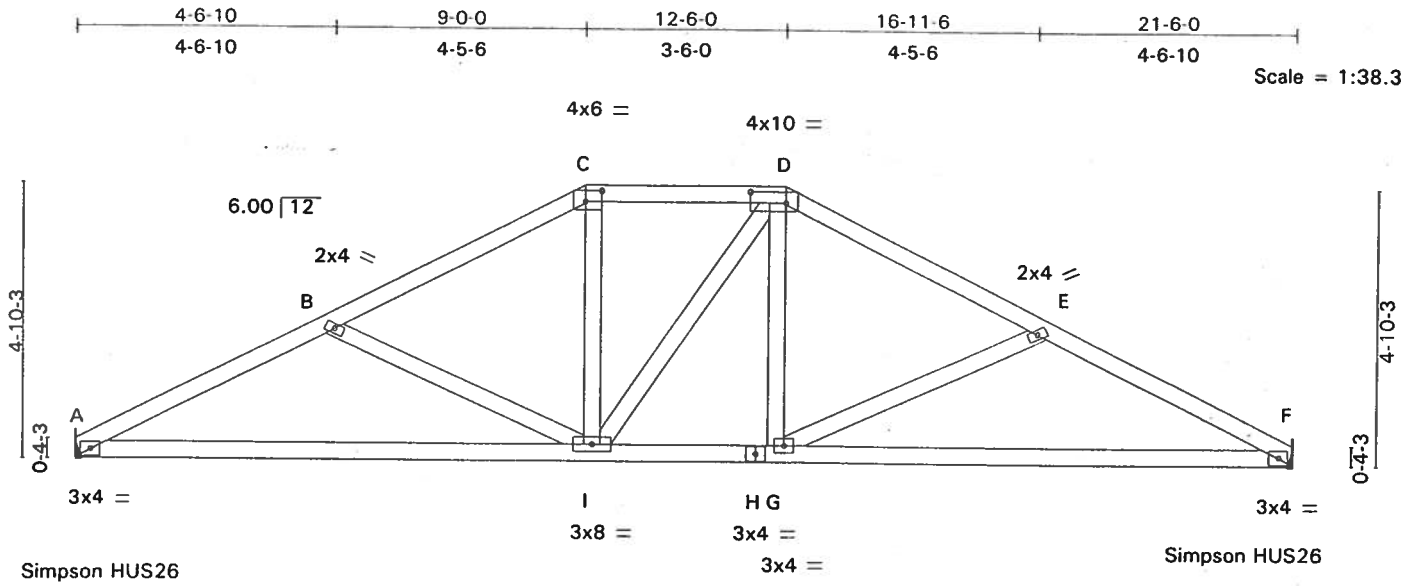
NOTES
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category 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.
L45316	T32	ROOF TRUSS	1	1	A509219 (optional)

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



9-0-0	12-6-0	21-6-0
9-0-0	3-6-0	9-0-0

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

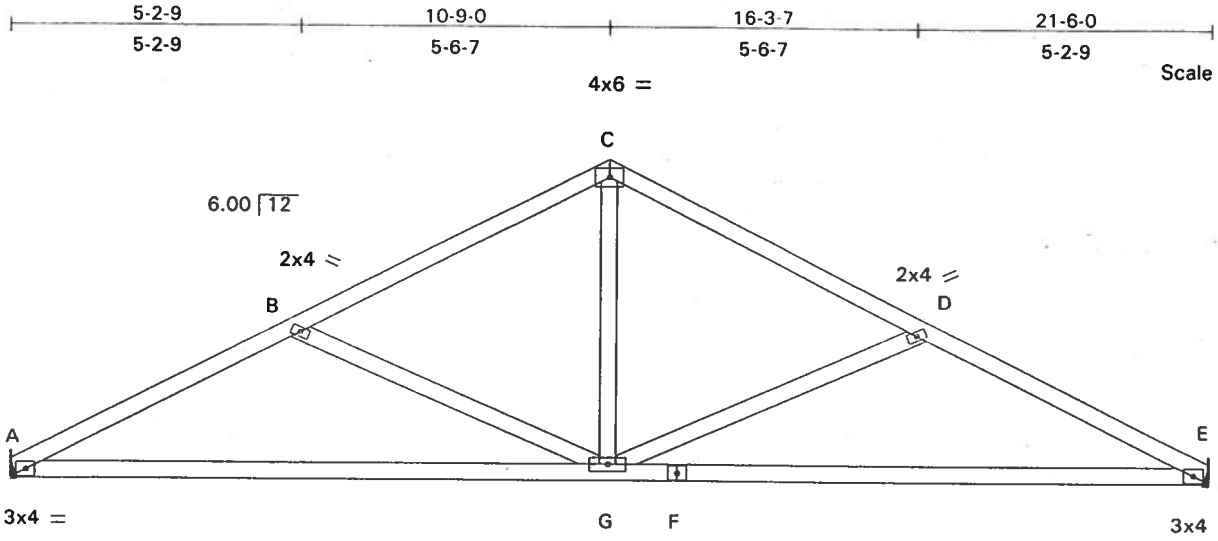
NOTES
1) This truss has been checked for unbalanced loading conditions.
2) This truss has been designed for the wind loads generated by 110 mph winds at 15 ft above ground level , using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the gable end roof zone on an occupancy category 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.
L45316	T33	ROOF TRUSS	1	1	A509220 (optional)

Builder's FirstSource, Lake City, Fl 32056, KIMBER 20 HOLDWAY Oct 17 2001 MiTek Industries, Inc. Wed Apr 30 13:23:36 2003 Page 1



10-9-0			21-6-0		
10-9-0			10-9-0		

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)	0.06	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)

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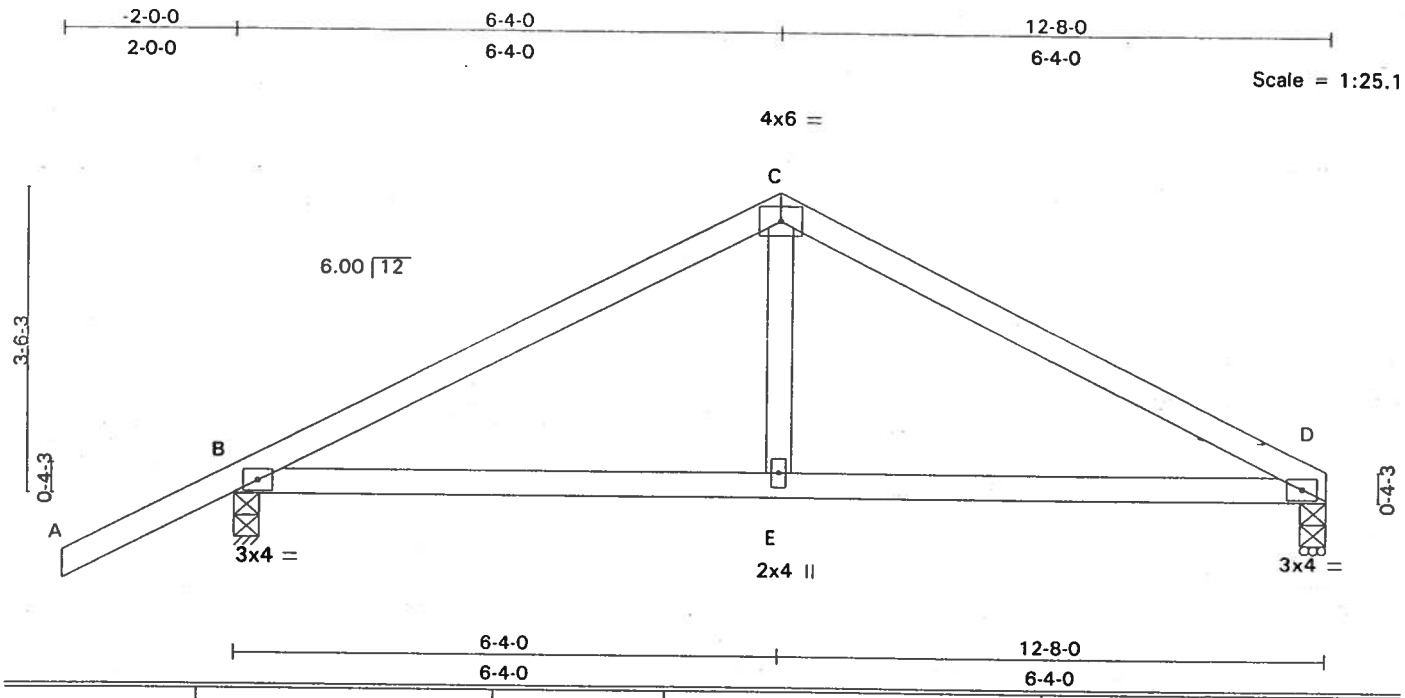


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.04	D-E	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.07	D-E	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	D	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st 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

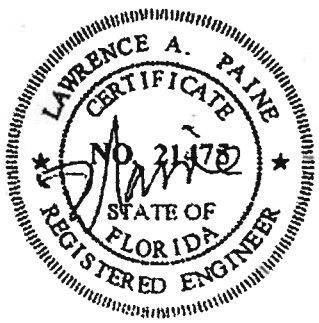
BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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



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

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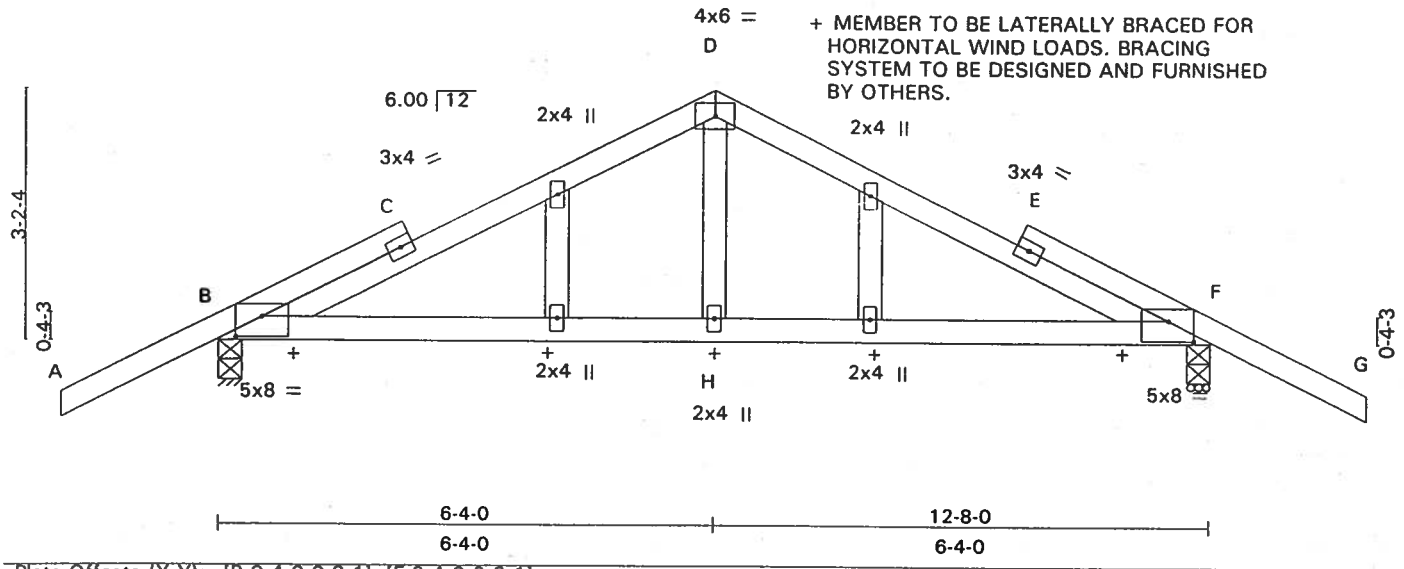

Plate Offsets (X,Y): [B:0-4-0,0-3-1], [F:0-4-0,0-3-1]

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), see 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.	
L45316	T35	ROOF TRUSS	1	2	(optional)	A509223

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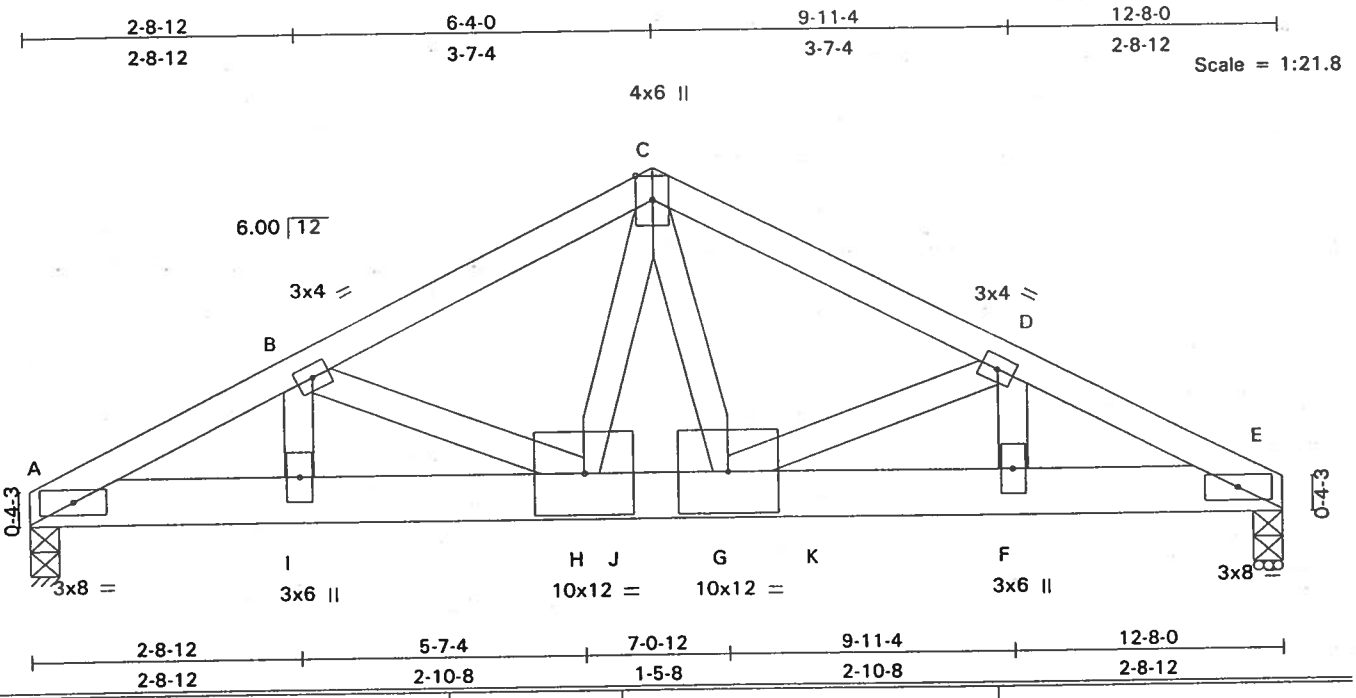


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	0.07	F-G	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.12	F-G	>999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.03	E	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st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

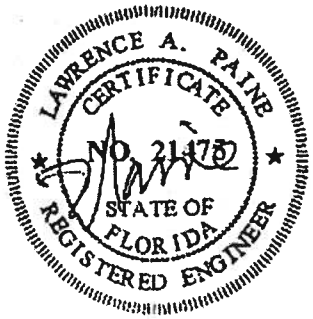
LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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.	
L45316	T36	ROOF TRUSS	2	1	(optional)	A509224

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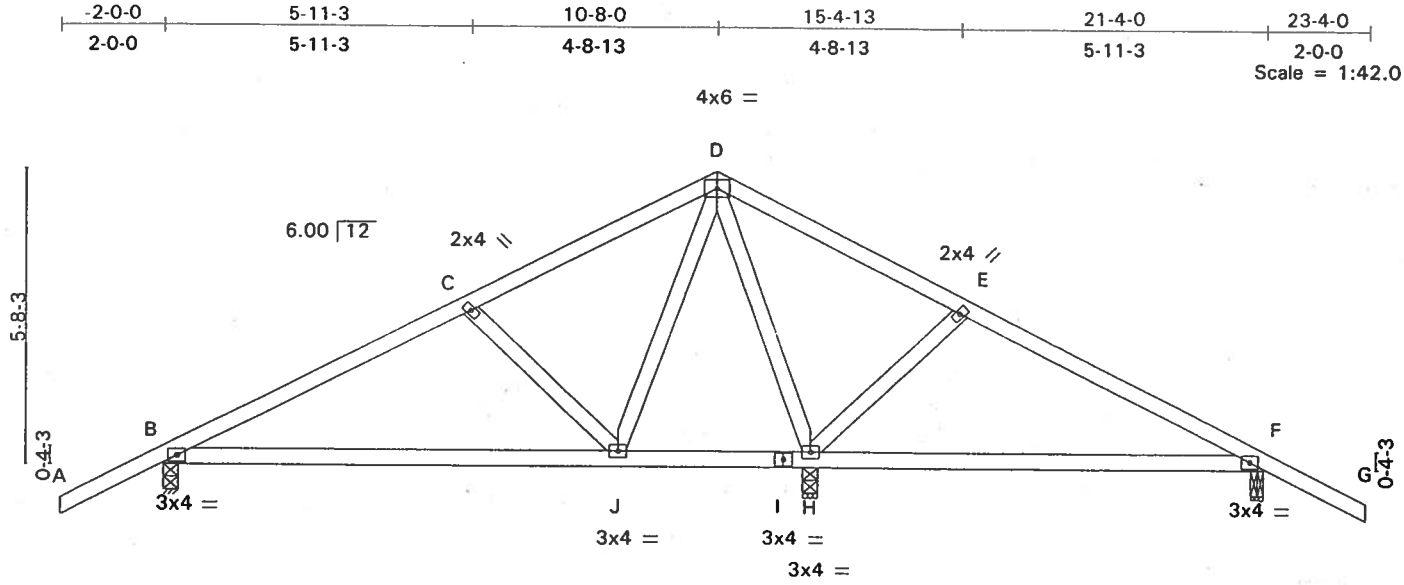

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.15	F-H	>714	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.14	B-J	>999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.00	F	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st 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)

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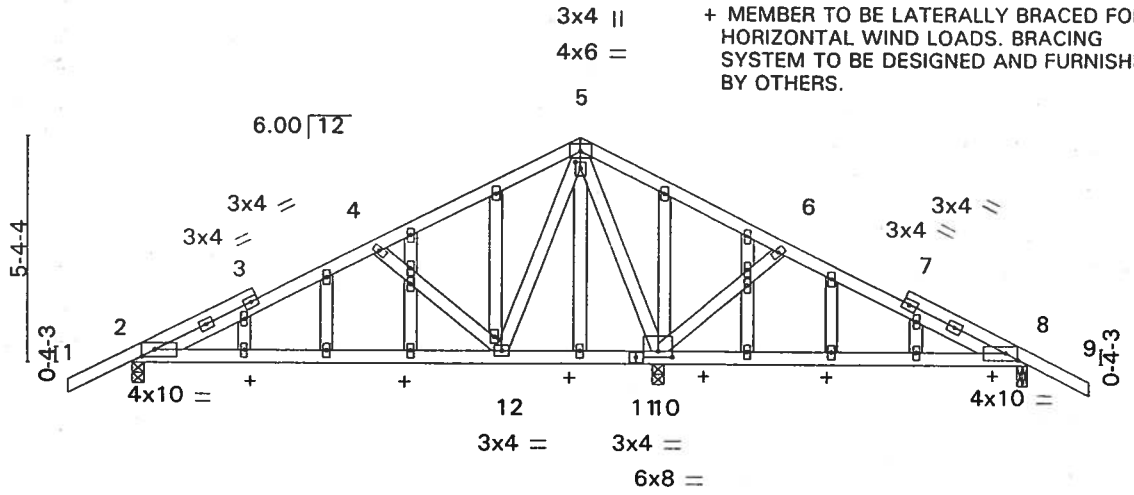
-2-0-0	5-11-3	10-8-0	15-4-13	21-4-0	23-4-0
2-0-0	5-11-3	4-8-13	4-8-13	5-11-3	2-0-0

Scale = 1:51.6



8-9-12	12-6-4	21-4-0
8-9-12	3-8-8	8-9-12

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.

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: 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)

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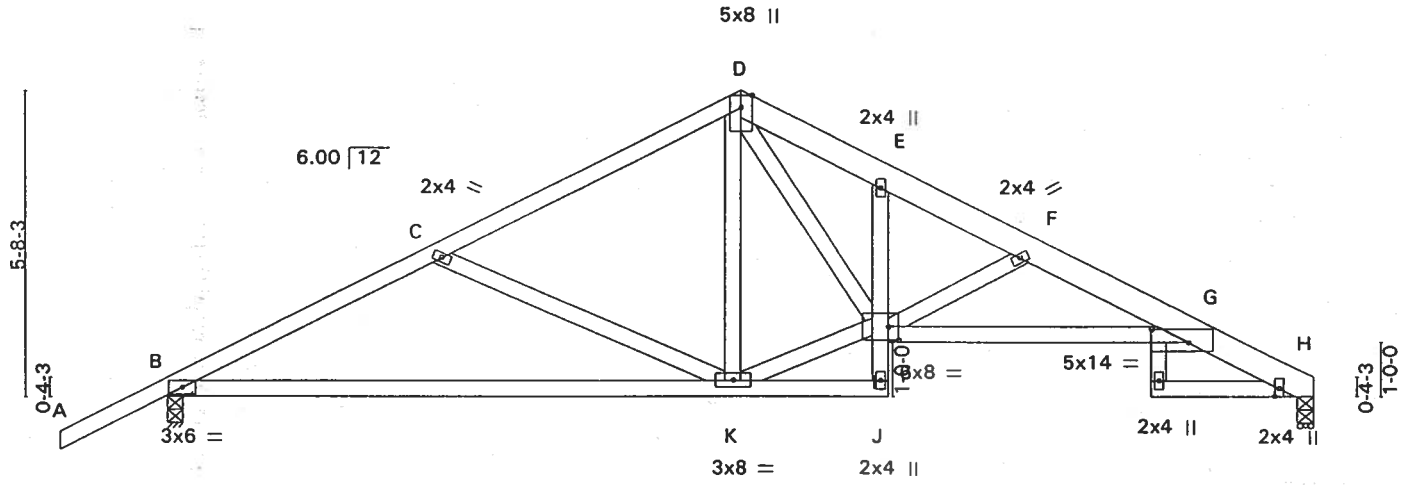
-2-0-0	5-1-4	10-8-0	13-5-0	15-10-4	18-3-8	19-10-6	21-4-0	23-4-0
2-0-0	5-1-4	5-6-12	2-9-0	2-5-4	2-5-4	1-6-14	1-5-10	2-0-0

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

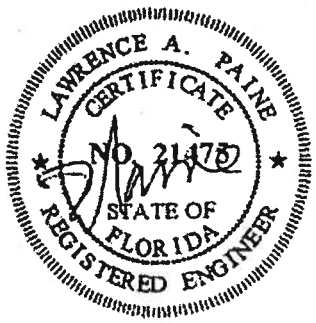
BRACING
TOP CHORD Sheathed or 2-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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)

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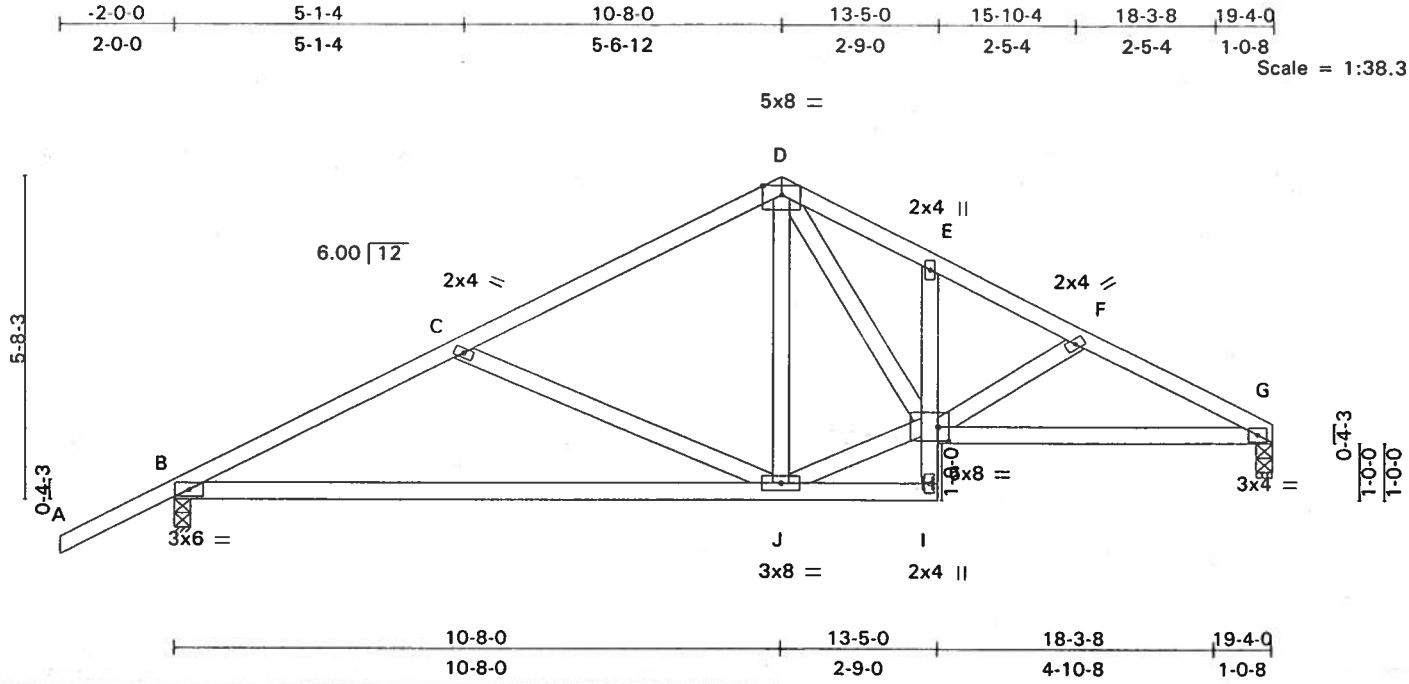

Plate Offsets (X,Y): [H:0-2-4,0-3-0]

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.
L45316	T39	ROOF TRUSS	1	1	A511013
					(optional)

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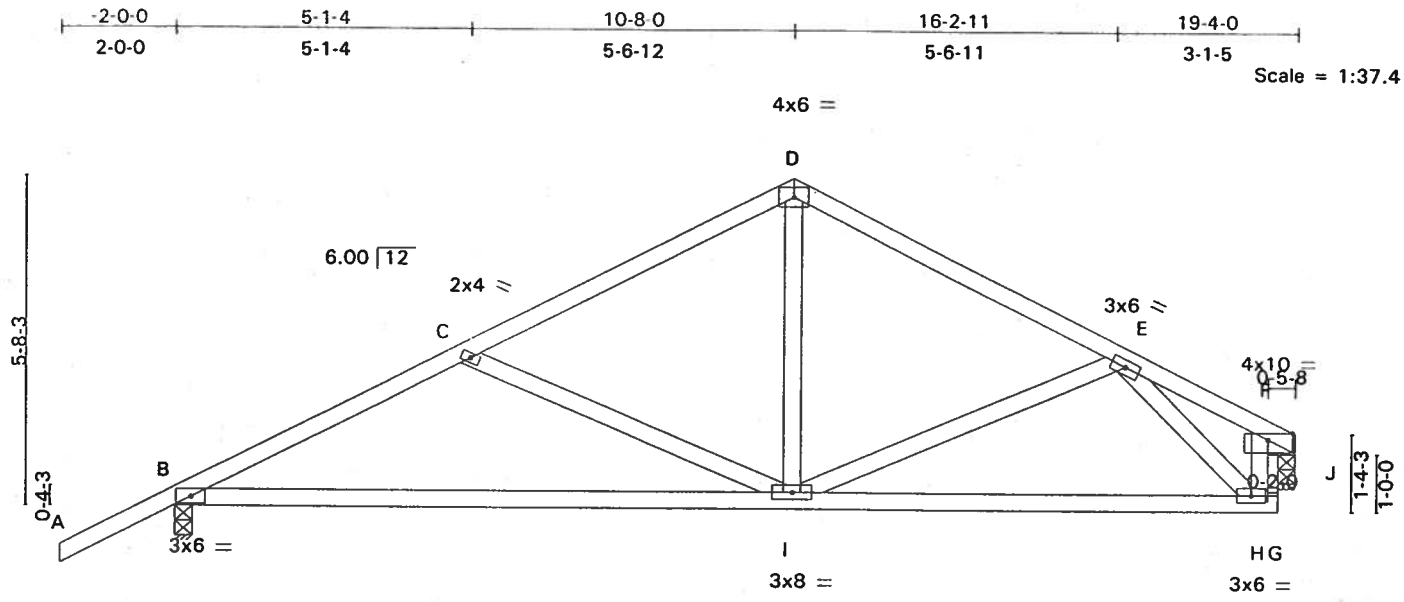

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.02	H-I	>999	MII20	249/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.23	B-I	>975		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.02	J	n/a		
BCDL	10.0	Code	FBC2001	(Matrix)		1st 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