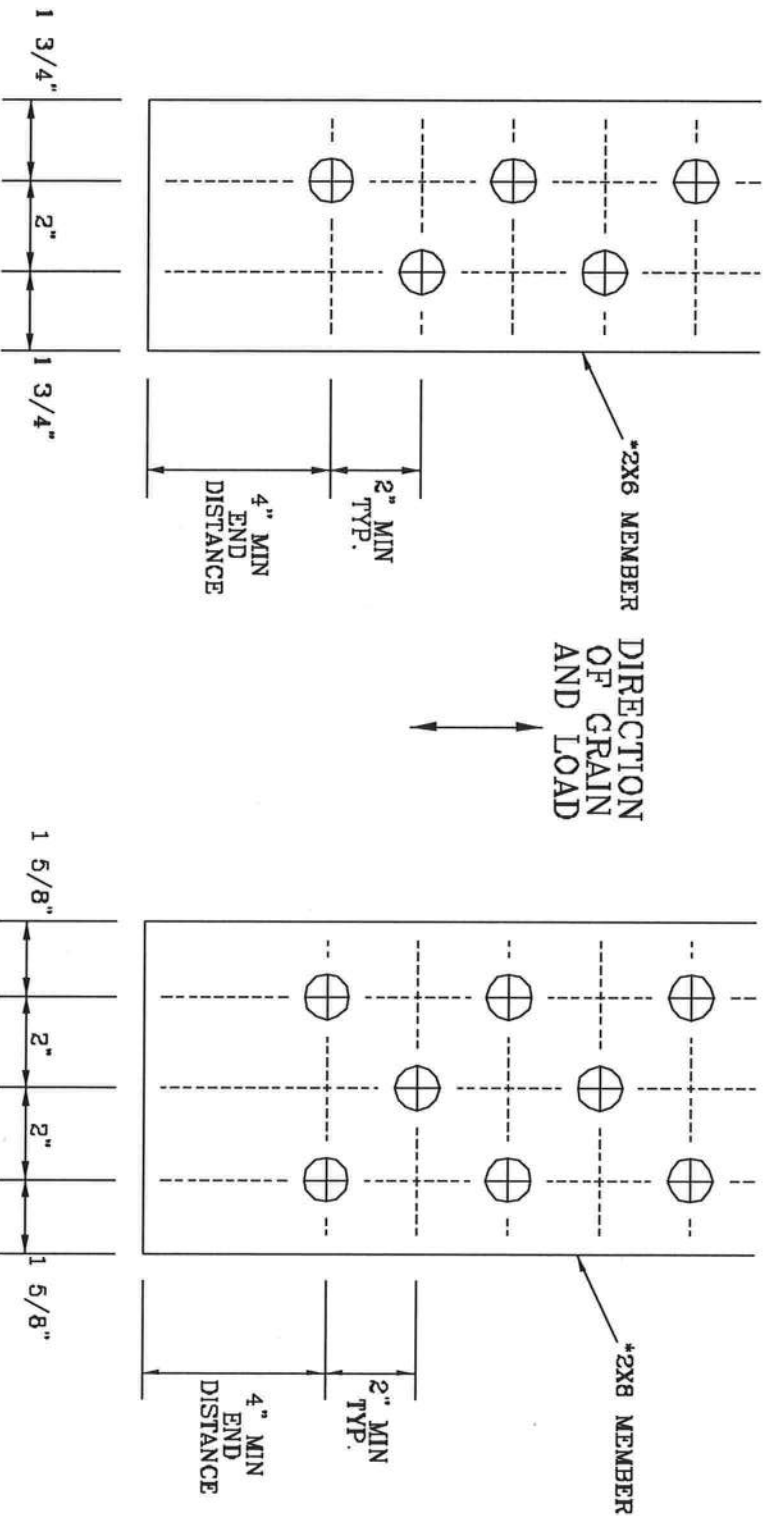


1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.
WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-00 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 360 DOWNSIDE DR., SUITE 200, MADISON, WI. 53719 AND WICA CODED TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4TH AVENUE
DELRAY BEACH, FL 33444-2161

No. 34869
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE 11/26/03	
BC DL	PSF	DRWG CNBOLTSPI103	
BC LL	PSF	-ENG JL	
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

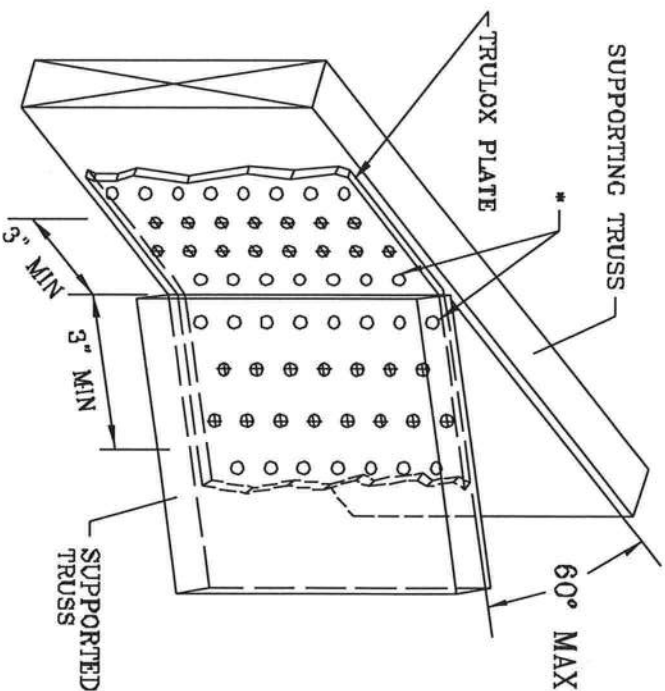
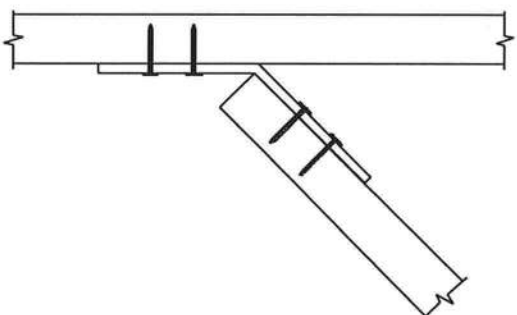
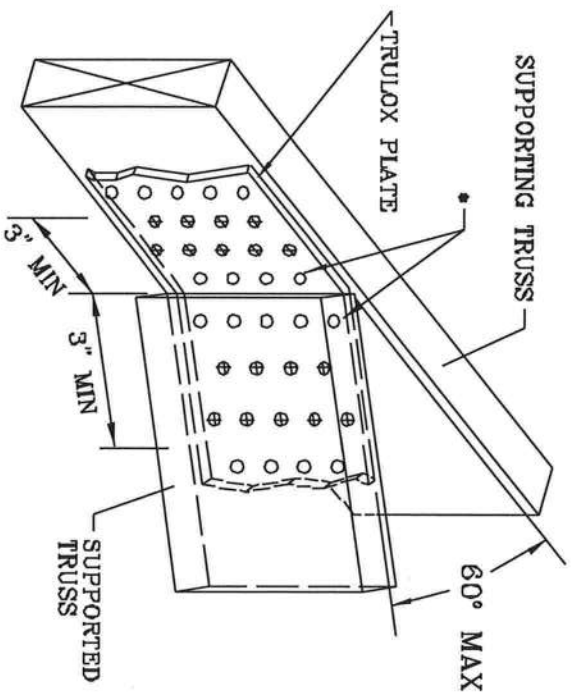
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350 #
5X6	15	990 #

THIS DRAWING REPLACES DRAWINGS 1.158.989 1.158.989/R 1.154.844 1.152.217 1.152.017 1.159.154 & 1.151.524

WARNING: TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR THE PROPER BRACING OF TRUSSES. TRUSS CHORDS OF AMERICA, 6300 ENTERPRISE LN, WATSON, VI 39759 FOR SAFETY PRACTICES PRIOR TO PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING

JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2101

REF TRULOX

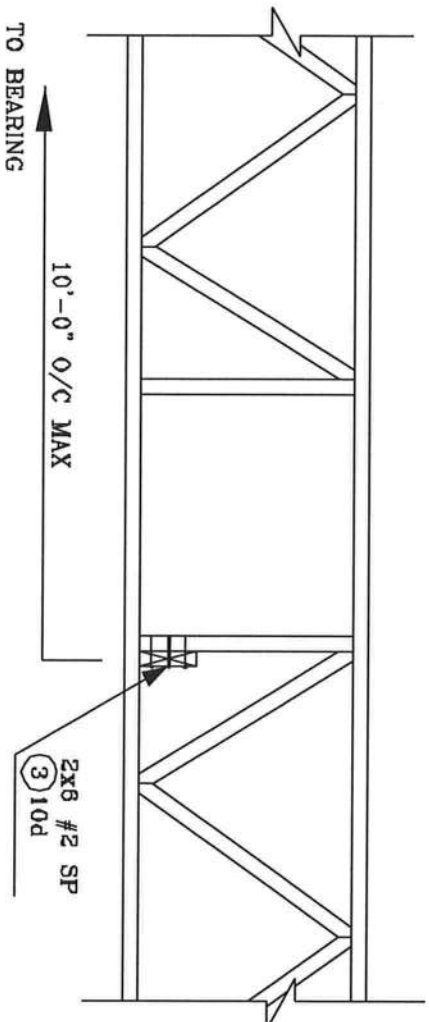
DATE 11/26/03

DRWG CNTRULOX1103

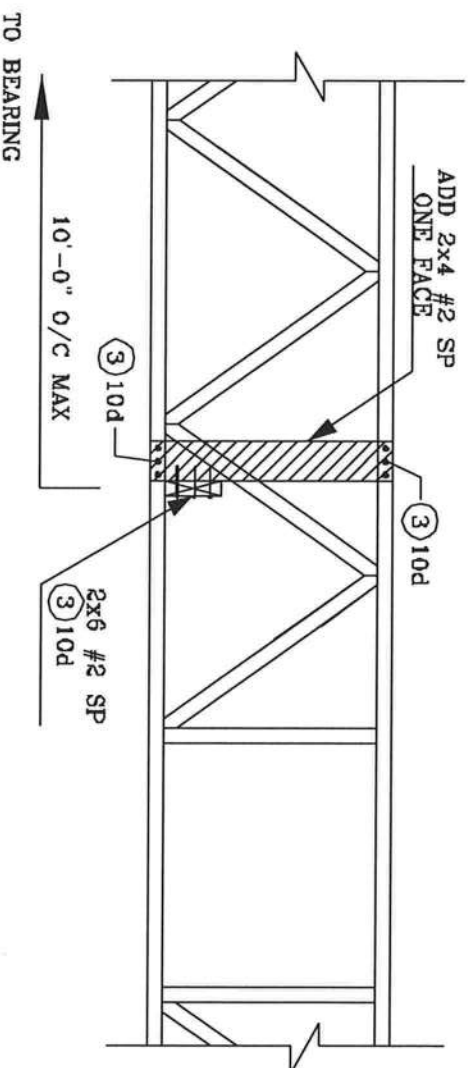
-ENG JL

No: 344659
STATE OF FLORIDA

**STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS**

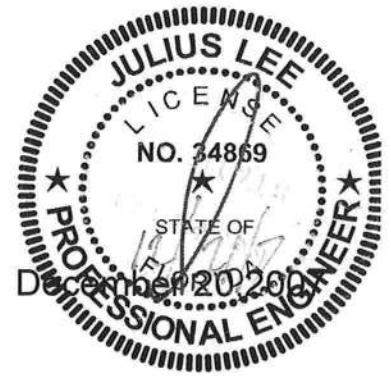


**ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP**



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 45th AVENUE
DELRAY BEACH, FL 33444-2161

No. 34869
STATE OF FLORIDA

**Project Information for: L263148F**

Builder: Hugo Escalante
Lot : 4 and 5
Subdivision: 3 Rivers Estates
County: Columbia
Truss Count: 24
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): N/A Wind Standard: N/A Wind Exposure: N/A
Floor (psf): 55.0 Wind Speed (mph): N/A

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Hugo Escalante Florida License No. CRC1326967
Address: P.O. Box 280 Fort White, Florida 32038

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1919416	F01	12/20/07
2	J1919417	F02	12/20/07
3	J1919418	F03	12/20/07
4	J1919419	F04	12/20/07
5	J1919420	F05	12/20/07
6	J1919421	F06	12/20/07
7	J1919422	F07	12/20/07
8	J1919423	F08	12/20/07
9	J1919424	F09	12/20/07
10	J1919425	F10	12/20/07
11	J1919426	F11	12/20/07
12	J1919427	F12	12/20/07
13	J1919428	F13	12/20/07
14	J1919429	F14	12/20/07
15	J1919430	F15	12/20/07
16	J1919431	F16	12/20/07
17	J1919432	F17	12/20/07
18	J1919433	F18	12/20/07
19	J1919434	F19	12/20/07
20	J1919435	F20	12/20/07
21	J1919436	F21	12/20/07
22	J1919437	F22	12/20/07
23	J1919438	F23	12/20/07
24	J1919439	F24	12/20/07

Job	Truss	Truss Type	Qty	Ply	
L263148F	F01	FLOOR	11	1	J1919416
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

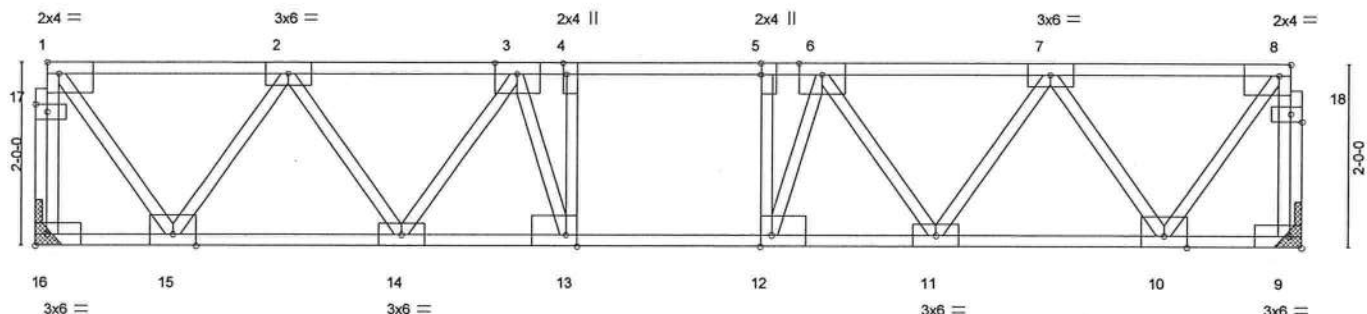
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:18:46 2007 Page 1

0-1-8

1-3-0

0-6-8 2-0-0 0-6-8

0-1-8
Scale = 1:23.7



Simpson HHUS48
into Beam by Others.

Simpson HHUS48

1-6-0 4-0-0 5-9-8 5-11-0 6-11-0 7-11-0 8-0-8 9-10-0 12-4-0 13-10-0
1-6-0 2-6-0 1-9-8 0-1-8 1-0-0 1-0-0 0-1-8 1-9-8 2-6-0 1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.45	Vert(LL)	-0.06 13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.41	Vert(TL)	-0.08 13-14	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.31	Horz(TL)	0.02 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 87 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 16=741/Mechanical, 9=741/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 16-17=-736/0, 1-17=-736/0, 9-18=-736/0, 8-18=-736/0, 1-2=-469/0, 2-3=-1090/0, 3-4=-1334/0, 4-5=-1334/0, 5-6=-1334/0, 6-7=-1090/0, 7-8=-469/0
BOT CHORD 15-16=0/25, 14-15=0/878, 13-14=0/1287, 12-13=0/1334, 11-12=0/1287, 10-11=0/878, 9-10=0/25
WEBS 4-13=-325/41, 5-12=-325/41, 1-15=0/775, 2-15=-738/0, 2-14=0/382, 3-14=-354/0, 3-13=-90/427, 8-10=0/775, 7-10=-738/0, 7-11=0/382, 6-11=-354/0, 6-12=-90/427

JOINT STRESS INDEX

1 = 0.59, 2 = 0.54, 3 = 0.47, 4 = 0.20, 5 = 0.20, 6 = 0.47, 7 = 0.54, 8 = 0.59, 9 = 0.56, 10 = 0.59, 11 = 0.54, 12 = 0.47, 13 = 0.47, 14 = 0.54, 15 = 0.59, 16 = 0.56, 17 = 0.00, 18 = 0.00 and 18 = 0.00

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 4x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Julius Lee
Truss Design Engineer
Florida PE No. 31863
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20, 2007

LOAD CASE(S) Standard

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job #	Truss	Truss Type	Qty	Ply	J1919417
L263148F	F02	FLOOR	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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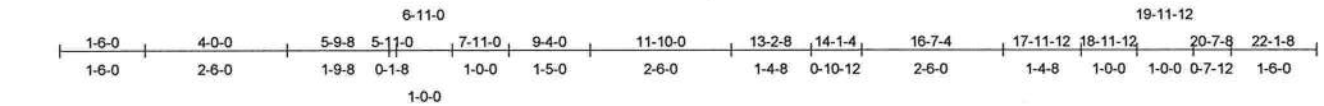
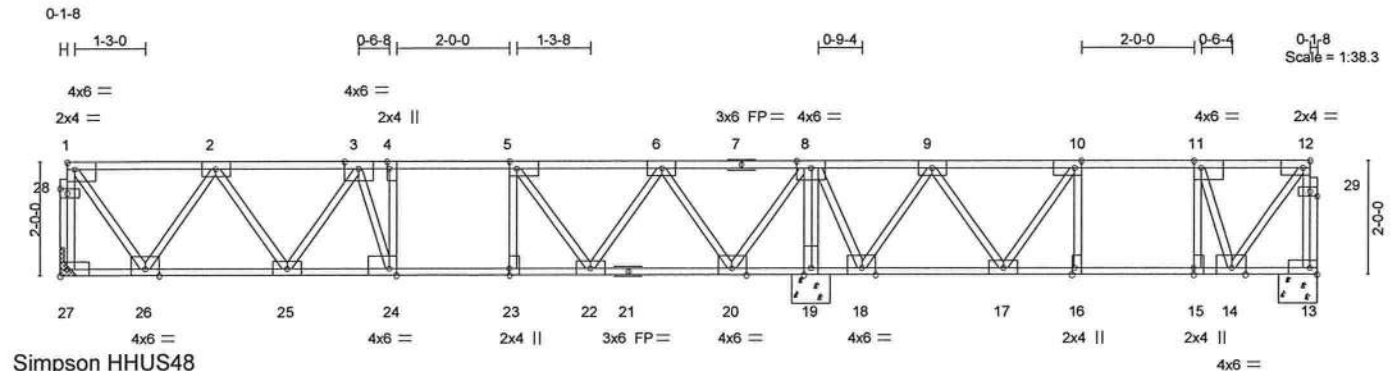


Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-0-0], [16:0-1-8,Edge], [23:0-1-8,0-0-0], [24:0-1-8,Edge], [28:0-1-8,0-1-0], [29:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.48	Vert(LL)	-0.09 24-25	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.61	Vert(TL)	-0.12 24-25	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.33	Horz(TL)	0.02 13	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 138 lb	

LUMBER

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

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 27=632/Mechanical, 13=356/0-8-0, 19=1406/0-8-0
Max Grav 27=676(load case 2), 13=401(load case 4), 19=1410(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 27-28=-670/0, 1-28=-670/0, 13-29=-391/0, 12-29=-390/0, 1-2=-420/0, 2-3=-960/0, 3-4=-1100/0, 4-5=-1100/0, 5-6=-850/37, 6-7=-219/282, 7-8=-219/282, 8-9=0/412, 9-10=-301/17, 10-11=-381/0, 11-12=-246/0

BOT CHORD 26-27=0/22, 25-26=0/788, 24-25=0/1103, 23-24=0/1100, 22-23=0/1100, 21-22=-150/622, 20-21=-150/622, 19-20=-650/0, 18-19=-653/0, 17-18=-86/178, 16-17=0/381, 15-16=0/381, 14-15=0/381, 13-14=0/13

WEBS 4-24=-106/139, 5-23=0/173, 10-16=-77/35, 11-15=-19/168, 8-19=-1377/0, 1-26=0/694, 2-26=-663/0, 2-25=0/309, 3-25=-258/24, 3-24=-266/121, 8-20=0/821, 6-20=-776/0, 6-22=0/487, 5-22=-539/0, 10-17=-289/0, 9-17=0/321, 9-18=-603/0, 8-18=0/557, 12-14=0/406, 11-14=-453/0

Julius Lee
Truss Design Engineer
Florida PE No. 34885
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Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.53, 2 = 0.66, 3 = 0.48, 4 = 0.47, 5 = 0.64, 6 = 0.69, 7 = 0.13, 8 = 0.84, 9 = 0.66, 10 = 0.65, 11 = 0.49, 12 = 0.65, 13 = 0.64, 14 = 0.49, 15 = 0.47, 16 = 0.47, 17 = 0.66, 18 = 0.53, 19 = 0.58, 20 = 0.63, 21 = 0.20, 22 = 0.69, 23 = 0.47, 24 = 0.48, 25 = 0.66, 26 = 0.53, 27 = 0.64, 28 = 0.00, 28 = 0.47, 29 = 0.00 and 29 = 0.47

Continued on page 2

December 20,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 563 D'Oroff Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	
L263148F	F02	FLOOR	3	1	J1919417
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:18:47 2007 Page 2

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 21 and 7.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34888
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

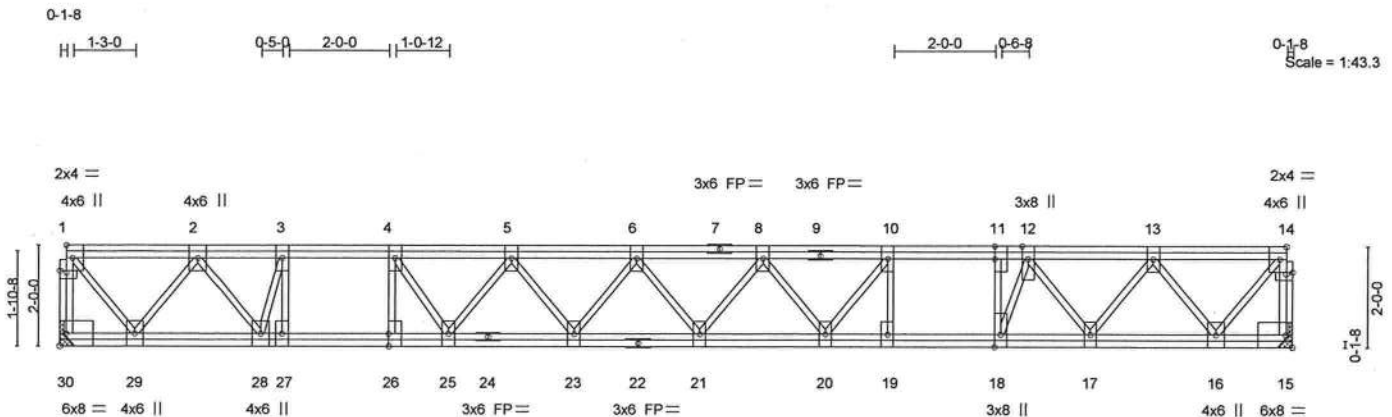
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job #	Truss	Truss Type	Qty	Ply	J1919418
L263148F	F03	FLOOR	8	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Simpson HHUS48
into Beam by Others.

Simpson HHUS48

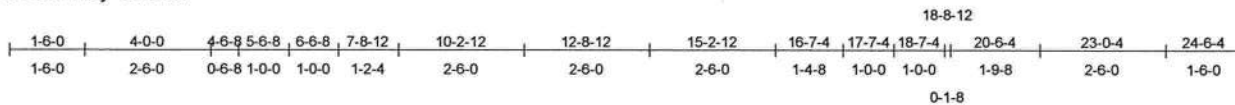


Plate Offsets (X,Y): [1:0-1-8,0-0-8], [11:0-3-0,0-0-0], [14:0-1-8,0-0-8], [14:0-3-0,Edge], [26:0-3-0,0-0-0]

LOADING (psf)	SPACING	1-4-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.70	Vert(LL)	-0.29 21-23	>995	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.83	Vert(TL)	-0.46 21-23	>637	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.49	Horz(TL)	0.04 15	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 211 lb	

LUMBER

TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.1D *Except*
15-22 4 X 2 SYP No.2, 15-24 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 30=890/Mechanical, 15=890/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-30=-886/0, 14-15=-896/0, 1-2=-632/0, 2-3=-1736/0, 3-4=-2140/0, 4-5=-2625/0, 5-6=-2987/0, 6-7=-3071/0, 7-8=-3071/0, 8-9=-2871/0, 9-10=-2871/0, 10-11=-2488/0, 11-12=-2488/0, 12-13=-1617/0, 13-14=-654/0
BOT CHORD 29-30=0/0, 28-29=0/1188, 27-28=0/2140, 26-27=0/2140, 25-26=0/2140, 24-25=0/2912, 23-24=0/2912, 22-23=0/3067, 21-22=0/3067, 20-21=0/3075, 19-20=0/2488, 18-19=0/2488, 17-18=0/2125, 16-17=0/1208, 15-16=0/0
WEBS 10-19=-416/0, 11-18=-783/0, 3-27=0/1081, 4-26=-646/0, 1-29=0/1014, 2-29=-958/0, 2-28=0/943, 3-28=-1562/0, 10-20=0/716, 8-20=-403/0, 8-21=-30/32, 6-21=-36/33, 6-23=-162/0, 5-23=0/152, 5-25=-523/0, 4-25=0/944, 14-16=0/1050, 13-16=-953/0, 13-17=0/703, 12-17=-874/0, 12-18=0/1219

Julius Lee
Truss Design Engineer
Florida PE No. 24888
1400 Coastal Bay Blvd.
Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.63, 1 = 0.47, 2 = 0.70, 3 = 0.65, 4 = 0.85, 5 = 0.49, 6 = 0.49, 7 = 0.19, 8 = 0.49, 9 = 0.18, 10 = 0.72, 11 = 0.33, 12 = 0.64, 13 = 0.72, 14 = 0.66, 14 = 0.47, 15 = 0.34, 16 = 0.78, 17 = 0.72, 18 = 0.63, 19 = 0.32, 20 = 0.73, 21 = 0.49, 22 = 0.51, 23 = 0.49, 24 = 0.46, 25 = 0.87, 26 = 0.32, 27 = 0.65, 28 = 0.70, 29 = 0.76 and 30 = 0.34

Continued on page 2

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	
L263148F	F03	FLOOR	8	1	J1919418
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:18:48 2007 Page 2

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 22, 24, 7 and 9.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 24188B
1450 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	J1919419
L263148F	F04	FLOOR	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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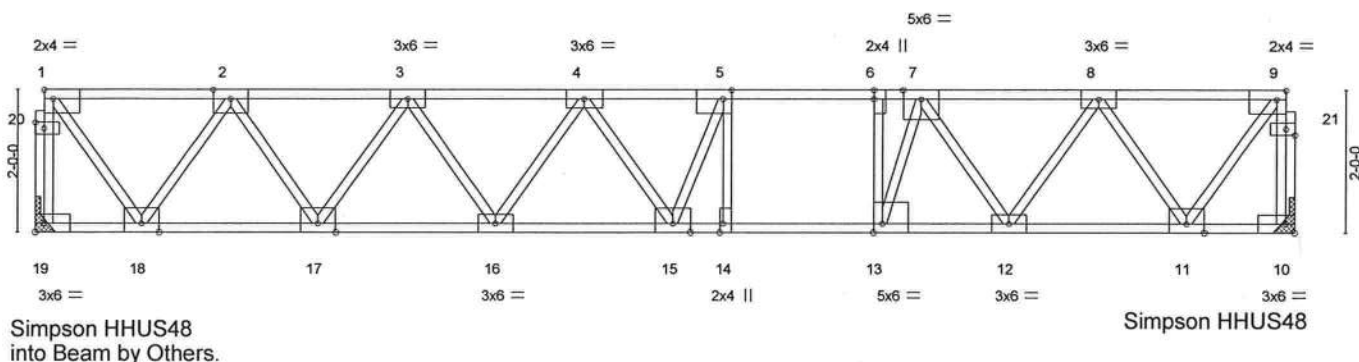
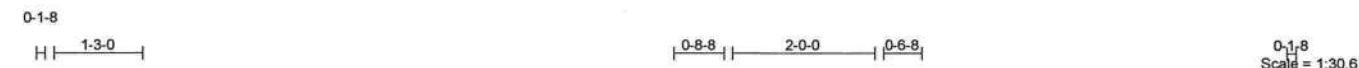


Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.96	Vert(LL)	-0.18 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.95	Vert(TL)	-0.27 14-15	>764	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.42	Horz(TL)	0.04 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 108 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 14-15,13-14.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 19=956/Mechanical, 10=956/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 19-20=-951/0, 1-20=-950/0, 10-21=-957/0, 9-21=-957/0, 1-2=-626/0, 2-3=-1538/0, 3-4=-2065/0, 4-5=-2220/0, 5-6=-2116/0, 6-7=-2116/0, 7-8=-1519/0, 8-9=-632/0
BOT CHORD 18-19=0/32, 17-18=0/1178, 16-17=0/1879, 15-16=0/2242, 14-15=0/2116, 13-14=0/2116, 12-13=0/1905, 11-12=0/1176, 10-11=0/32
WEBS 5-14=-403/12, 6-13=-582/0, 1-18=0/1036, 2-18=-996/0, 2-17=0/648, 3-17=-614/0, 3-16=0/337, 4-16=-318/0, 4-15=-150/197, 5-15=-157/447, 9-11=0/1046, 8-11=-982/0, 8-12=0/618, 7-12=-695/0, 7-13=0/897

Julius Lee
Truss Design Engineer
Florida PE No. 34889
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JOINT STRESS INDEX

1 = 0.79, 2 = 0.50, 3 = 0.66, 4 = 0.66, 5 = 0.44, 6 = 0.47, 7 = 0.64, 8 = 0.88, 9 = 0.80, 10 = 0.73, 11 = 0.80, 12 = 0.88, 13 = 0.64, 14 = 0.47, 15 = 0.44, 16 = 0.66, 17 = 0.50, 18 = 0.79, 19 = 0.73, 20 = 0.47, 21 = 0.00 and 21 = 0.47

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 4x6 MT20 unless otherwise indicated.

Continued on page 2

December 20,2007

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F04	FLOOR	7	1	J1919419
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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NOTES

- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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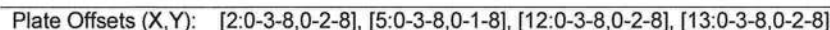
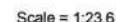
December 20, 2007

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6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 15:39:04 2007 Page 1



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December 20, 2007

Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F05	FLOOR	1	2	J1919420

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 15:39:04 2007 Page 2

NOTES

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 12 - 2 rows at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 14 and 221 lb uplift at joint 8.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-483(F=-473), 1-7=-456
- 4) User defined: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-6(F), 1-7=38(F)

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December 20, 2007

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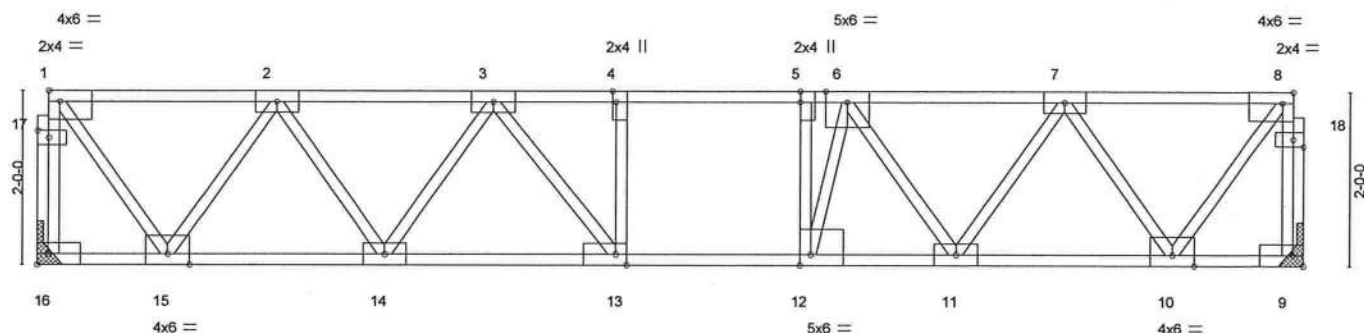
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Job, L263148F	Truss F06	Truss Type FLOOR	Qty 6	Ply 1	J1919421 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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Simpson HHUS48
into Beam by Others.

Simpson HHUS48

Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.64	Vert(LL)	-0.10 13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.57	Vert(TL)	-0.14 13-14	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.33	Horz(TL)	0.02 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 90 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 16=782/Mechanical, 9=782/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 16-17=-776/0, 1-17=-775/0, 9-18=-779/0, 8-18=-778/0, 1-2=-498/0, 2-3=-1180/0, 3-4=-1484/0, 4-5=-1484/0, 5-6=-1484/0, 6-7=-1172/0, 7-8=-500/0
BOT CHORD 15-16=0/26, 14-15=0/937, 13-14=0/1397, 12-13=0/1484, 11-12=0/1408, 10-11=0/935, 9-10=0/26
WEBS 4-13=-205/0, 5-12=-467/17, 1-15=0/823, 2-15=-792/0, 2-14=0/439, 3-14=-390/0, 3-13=-42/345, 8-10=0/827, 7-10=-784/0, 7-11=0/428, 6-11=-425/0, 6-12=-52/605

JOINT STRESS INDEX

1 = 0.63, 2 = 0.62, 3 = 0.45, 4 = 0.13, 5 = 0.29, 6 = 0.48, 7 = 0.61, 8 = 0.63, 9 = 0.59, 10 = 0.63, 11 = 0.61, 12 = 0.47, 13 = 0.45, 14 = 0.62, 15 = 0.63, 16 = 0.59, 17 = 0.00, 18 = 0.00 and 18 = 0.00

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Truss Design Engineer
Florida PE No. 21808
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20, 2007

LOAD CASE(S) Standard

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1400 Coastal Bay Blvd
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December 20, 2007

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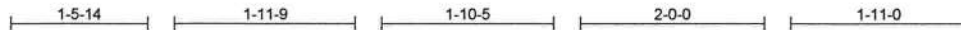
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



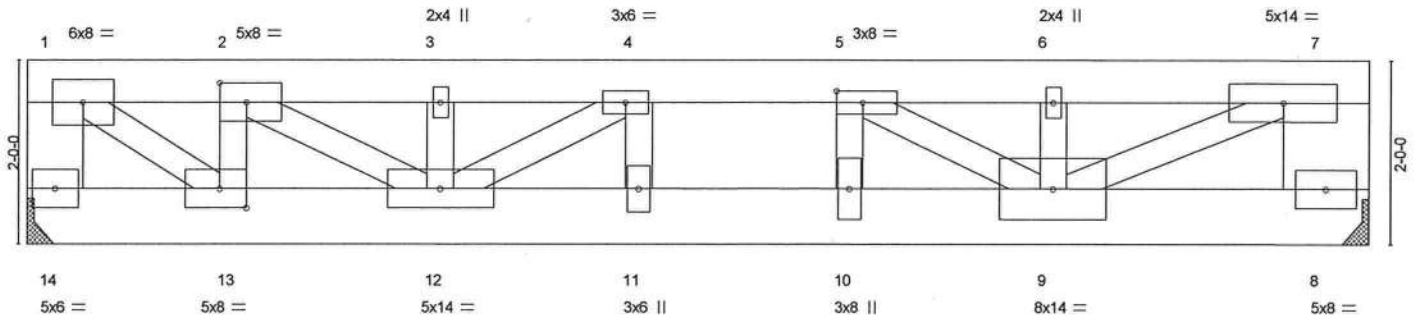
Job L263148F	Truss F07	Truss Type FLOOR	Qty 1	Ply 2	Job Reference (optional) J1919422
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Builders FirstSource, Lake City, FL 32055

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Scale = 1:23.6



Simpson HGUS210-2

Simpson HGUS210-2
into Beam by Others.

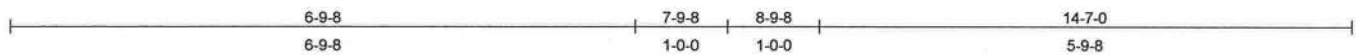


Plate Offsets (X,Y): [2:0-3-8,0-2-8], [5:0-3-8,0-1-8], [13:0-3-8,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.65	Vert(LL)	-0.13	11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.60	Vert(TL)	-0.24	11	>679	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.88	Horz(TL)	0.04	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 218 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
1-14 2 X 8 SYP 2400F 2.0E, 7-8 2 X 12 SYP No.2
7-9 2 X 4 SYP No.2, 1-13 2 X 4 SYP No.2
2-12 2 X 4 SYP No.2

BRACING

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

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 14=6513/Mechanical, 8=6513/Mechanical
Max Uplift 14=-221(load case 4), 8=-221(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-14=-5135/194, 7-8=-4622/190, 1-2=-7047/240, 2-3=-12157/410, 3-4=-12157/410,
4-5=-14114/480, 5-6=-9271/313, 6-7=-9271/313
BOT CHORD 13-14=-59/1676, 12-13=-240/7047, 11-12=-480/14114, 10-11=-480/14114,
9-10=-480/14114, 8-9=-84/2404
WEBS 4-11=0/988, 5-10=-15/1886, 7-9=-255/7662, 5-9=-5816/202, 2-13=-3662/171,
3-12=-1091/85, 1-13=-227/6739, 2-12=-202/6098, 4-12=-2409/86, 6-9=-444/385

JOINT STRESS INDEX

1 = 0.91, 2 = 0.86, 3 = 0.25, 4 = 0.43, 5 = 0.69, 6 = 0.18, 7 = 0.88, 8 = 0.83, 9 = 0.73, 10 = 0.31, 11 = 0.20, 12 = 0.95, 13 = 1.00 and 14 = 0.97

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Truss Design Engineer
Florida PE No. 34808
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F07	FLOOR	1	2	J1919422

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 15:41:14 2007 Page 2

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 12 - 2 rows at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced floor live loads have been considered for this design.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 14 and 221 lb uplift at joint 8.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-487(F=-477), 1-7=-456
- User defined: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-14=-6(F), 1-7=38(F)

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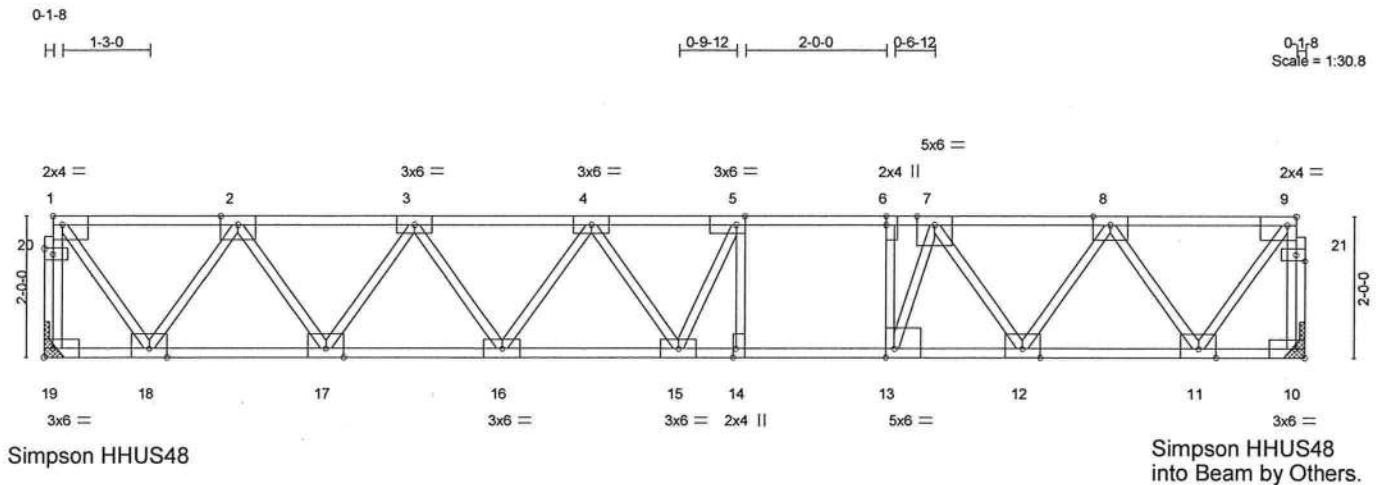
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Job, L263148F	Truss F08	Truss Type FLOOR	Qty 7	Ply 1	J1919423
Job Reference (optional)					

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1-6-0	4-0-0	6-6-0	9-0-0	9-11-4	10-11-4	11-11-4	13-10-8	16-4-8	17-10-8
1-6-0	2-6-0	2-6-0	2-6-0	0-11-4	1-0-0	1-0-0 0-1-8	1-9-12	2-6-0	1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.98	Vert(LL)	-0.19 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.96	Vert(TL)	-0.29 14-15	>738	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.42	Horz(TL)	0.04 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 109 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 14-15,13-14.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 19=963/Mechanical, 10=963/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 19-20=-958/0, 1-20=-957/0, 10-21=-964/0, 9-21=-964/0, 1-2=-631/0, 2-3=-1552/0, 3-4=-2089/0, 4-5=-2253/0, 5-6=-2144/0, 6-7=-2144/0, 7-8=-1533/0, 8-9=-637/0
BOT CHORD 18-19=0/32, 17-18=0/1188, 16-17=0/1897, 15-16=0/2272, 14-15=0/2144, 13-14=0/2144, 12-13=0/1923, 11-12=0/1186, 10-11=0/32
WEBS 5-14=-380/11, 6-13=-582/0, 1-18=0/1044, 2-18=-1005/0, 2-17=0/656, 3-17=-622/0, 3-16=0/346, 4-16=-330/0, 4-15=-143/196, 5-15=-159/424, 9-11=0/1055, 8-11=-989/0, 8-12=0/625, 7-12=-705/0, 7-13=0/904

Julius Lee
Truss Design Engineer
Florida PE No. 31865
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.79, 2 = 0.50, 3 = 0.66, 4 = 0.66, 5 = 0.81, 6 = 0.47, 7 = 0.64, 8 = 0.48, 9 = 0.80, 10 = 0.74, 11 = 0.81, 12 = 0.48, 13 = 0.64, 14 = 0.47, 15 = 0.81, 16 = 0.66, 17 = 0.50, 18 = 0.80, 19 = 0.73, 20 = 0.00, 20 = 0.47, 21 = 0.00 and 21 = 0.47

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 4x6 MT20 unless otherwise indicated.

Continued on page 2

December 20,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	
L263148F	F08	FLOOR	7	1	J1919423
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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NOTES

- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" o.c. and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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Florida PE No. 34883
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Boynton Beach, FL 33435

December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919424
L263148F	F09	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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0-1-8



0-1-8
Scale = 1:23.2

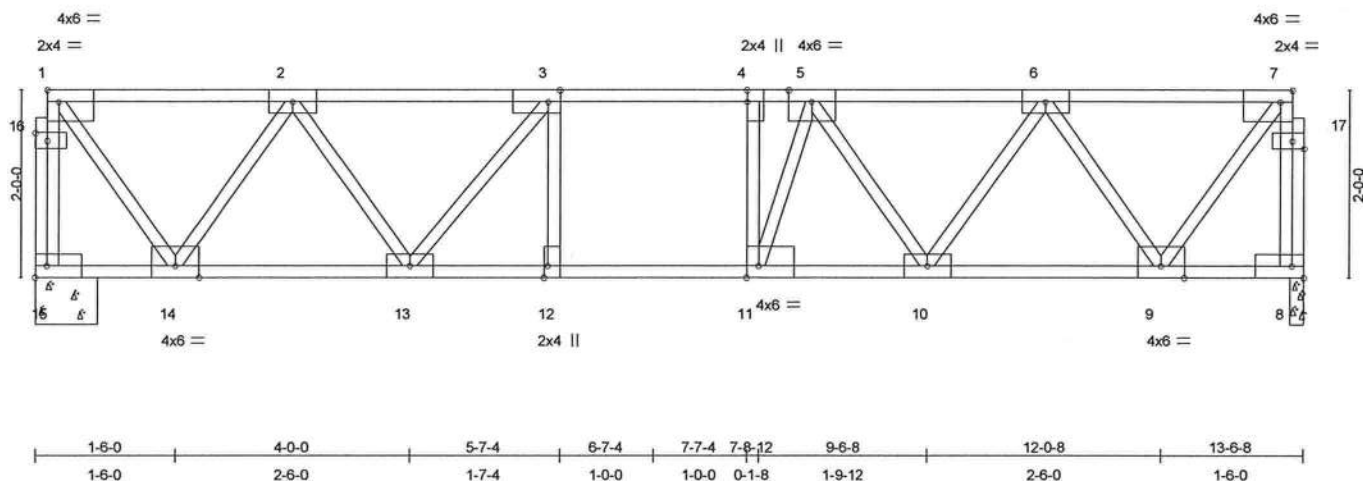


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,0-0-0], [7:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.41	Vert(LL)	-0.08 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.49	Vert(TL)	-0.10 10-11	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.30	Horz(TL)	0.02 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 84 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 15=725/0-8-0, 8=725/0-1-12

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 15-16=-720/0, 1-16=-720/0, 8-17=-720/0, 7-17=-720/0, 1-2=-458/0, 2-3=-1054/0, 3-4=-1280/0, 4-5=-1280/0, 5-6=-1057/0, 6-7=-457/0
BOT CHORD 14-15=0/24, 13-14=0/858, 12-13=0/1280, 11-12=0/1280, 10-11=0/1243, 9-10=0/856, 8-9=0/24
WEBS 3-12=-70/115, 4-11=-279/43, 1-14=0/758, 2-14=-720/0, 2-13=0/360, 3-13=-427/0, 7-9=0/756, 6-9=-718/0, 6-10=0/363, 5-10=-335/0, 5-11=-118/397

JOINT STRESS INDEX

1 = 0.58, 2 = 0.51, 3 = 0.27, 4 = 0.18, 5 = 0.43, 6 = 0.51, 7 = 0.57, 8 = 0.55, 9 = 0.58, 10 = 0.51, 11 = 0.43, 12 = 0.14, 13 = 0.51, 14 = 0.58, 15 = 0.55, 16 = 0.00, 16 = 0.00, 17 = 0.00 and 17 = 0.00

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Julius Lee
Truss Design Engineer
Florida PE No. 31809
1409 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 563 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	
L263148F	F09	FLOOR	1	1	J1919424
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34889
1100 Coastal Bay Blvd
Boynton Beach, FL 33436

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

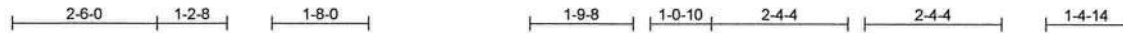
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Job L263148F	Truss F10	Truss Type FLOOR	Qty 1	Ply 2	Job Reference (optional) J1919425
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Builders FirstSource, Lake City, FL 32055

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Scale = 1:37.5

WARNING: This truss is not symmetrical and must be installed as shown.

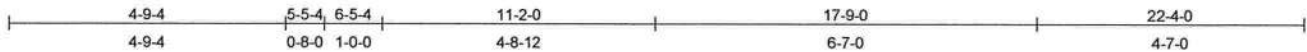
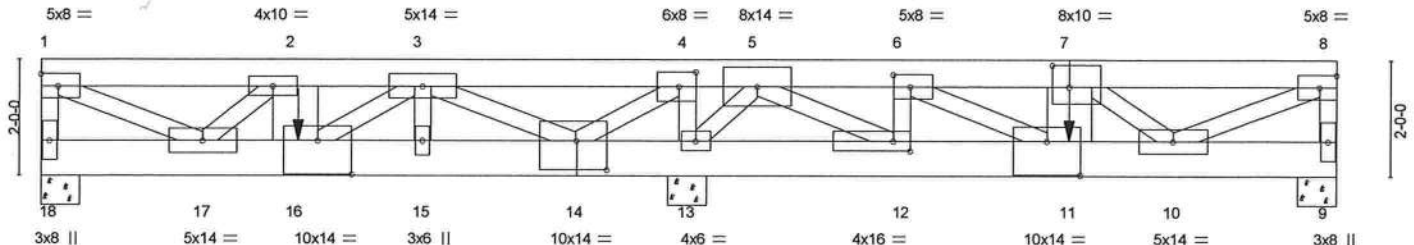


Plate Offsets (X,Y): [4:0-3-8,0-3-0], [6:0-3-8,0-2-8], [7:0-3-8,0-4-8], [11:0-7-0,0-7-0], [12:0-3-8,0-2-0], [14:0-6-4,0-6-0], [16:0-7-0,0-7-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.87	Vert(LL)	-0.09 11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.60	Vert(TL)	-0.13 11-12	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.94	Horz(TL)	0.01 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 335 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3 *Except*
 1-18 2 X 4 SYP No.2, 8-9 2 X 4 SYP No.2
 2-16 2 X 10 SYP No.2, 7-11 2 X 10 SYP No.2
 1-17 2 X 4 SYP No.2, 3-14 2 X 4 SYP No.2
 4-14 2 X 4 SYP No.2, 6-11 2 X 4 SYP No.1D
 5-12 2 X 4 SYP No.1D, 8-10 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-1
 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 18=4052/0-8-0, 9=3906/0-8-0, 13=12637/0-8-0
 Max Grav 18=4434(load case 2), 9=4268(load case 3), 13=12637(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-18=-3935/0, 8-9=-3821/0, 1-2=-6896/0, 2-3=-10532/0, 3-4=0/2882, 4-5=0/7965,
 5-6=-5347/25, 6-7=-10527/0, 7-8=-6691/0
 BOT CHORD 17-18=0/625, 16-17=0/10532, 15-16=0/7203, 14-15=0/7203, 13-14=-7965/0, 12-13=-4198/0
 , 11-12=-25/5347, 10-11=0/10527, 9-10=0/606
 WEBS 2-16=0/3471, 3-15=0/1438, 4-13=-5139/0, 7-11=0/3151, 1-17=0/7173, 2-17=-4945/0,
 3-14=-8975/0, 4-14=0/7136, 6-11=0/6616, 5-12=0/9021, 5-13=-5961/0, 8-10=0/6960,
 7-10=-4960/0, 3-16=0/4699, 6-12=-3233/0

Julius Lee
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 1400 Coastal Bay Blvd
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JOINT STRESS INDEX

1 = 0.91, 2 = 0.68, 3 = 0.78, 4 = 0.85, 5 = 0.91, 6 = 0.92, 7 = 0.91, 8 = 0.88, 9 = 0.67, 10 = 0.78, 11 = 0.76, 12 = 0.89, 13 = 0.87, 14 = 0.99, 15 = 0.29, 16 = 0.79, 17 = 0.80 and 18 = 0.70

December 20,2007

Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job L263148F	Truss F10	Truss Type FLOOR	Qty 1	Ply 2	J1919425 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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NOTES

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-2-0 oc.
Webs connected as follows: 2 X 10 - 4 rows at 0-2-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 16-18=-10, 11-16=-397(F=-387), 9-11=-10, 1-8=-100

Concentrated Loads (lb)

Vert: 16=-6485(F) 11=-6513(F)

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1333 Coastal Bay Blvd
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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919426
L263148F	F11	FLOOR	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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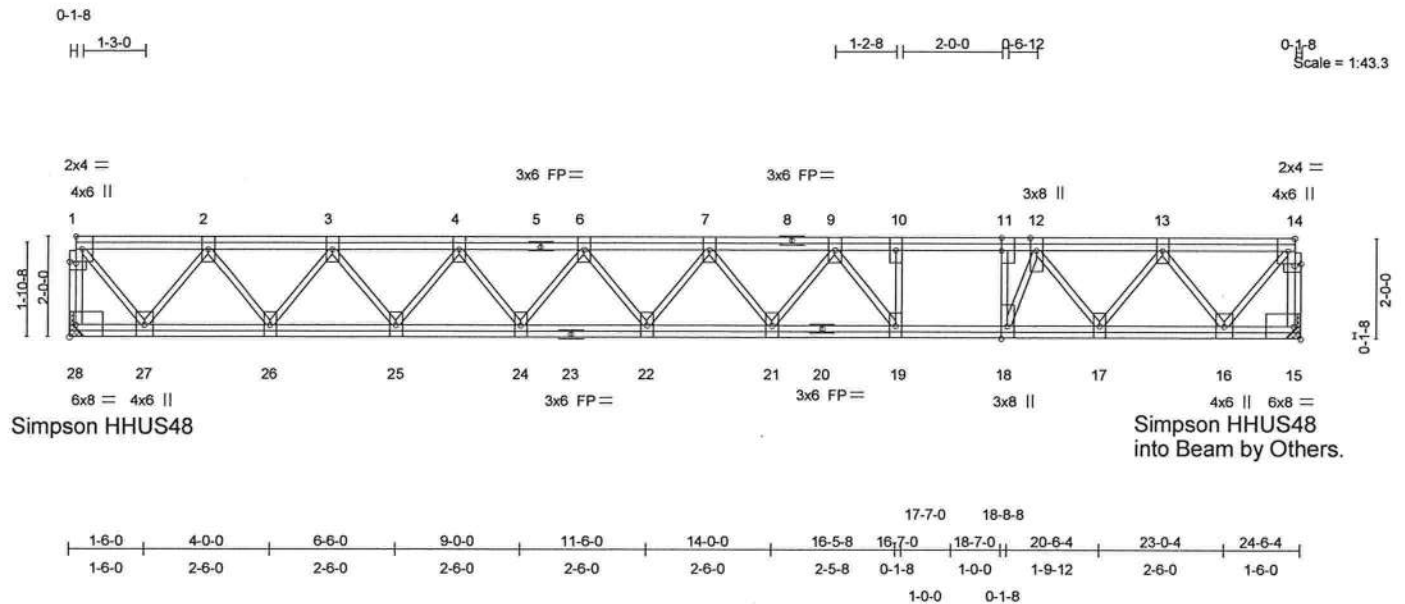


Plate Offsets (X,Y): [1:0-1-8,0-0-8], [11:0-3-0,0-0-0], [14:0-1-8,0-0-8], [14:0-3-0,Edge]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00		TC 0.74	Vert(LL) -0.23	19-21	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase 1.00		BC 0.71	Vert(TL) -0.36	19-21	>803	240		
BCLL 0.0	Rep Stress Incr YES		WB 0.49	Horz(TL) 0.04	15	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 210 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 28=890/Mechanical, 15=890/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-28=-885/0, 14-15=-894/0, 1-2=-644/0, 2-3=-1648/0, 3-4=-2376/0, 4-5=-2852/0, 5-6=-2852/0, 6-7=-3052/0, 7-8=-3039/0, 8-9=-3039/0, 9-10=-2488/0, 10-11=-2488/0, 11-12=-2488/0, 12-13=-1619/0, 13-14=-653/0
BOT CHORD 27-28=0/0, 26-27=0/1213, 25-26=0/2069, 24-25=0/2674, 23-24=0/3013, 22-23=0/3013, 21-22=0/3098, 20-21=0/2895, 19-20=0/2895, 18-19=0/2488, 17-18=0/2114, 16-17=0/1209, 15-16=0/0
WEBS 10-19=0/379, 11-18=-838/0, 1-27=0/1034, 2-27=-980/0, 2-26=0/747, 3-26=-725/0, 3-25=0/529, 4-25=-512/0, 4-24=0/306, 6-24=-277/0, 6-22=0/110, 7-22=-98/0, 7-21=-142/61, 9-21=-10/299, 9-19=-770/0, 14-16=0/1049, 13-16=-957/0, 13-17=0/705, 12-17=-852/0, 12-18=0/1218

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Florida PE No. 34889
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Boynton Beach, FL 33436

JOINT STRESS INDEX

1 = 0.65, 1 = 0.47, 2 = 0.77, 3 = 0.54, 4 = 0.49, 5 = 0.18, 6 = 0.49, 7 = 0.49, 8 = 0.19, 9 = 0.49, 10 = 0.32, 11 = 0.35, 12 = 0.66, 13 = 0.72, 14 = 0.65, 14 = 0.47, 15 = 0.34, 16 = 0.78, 17 = 0.72, 18 = 0.64, 19 = 0.48, 20 = 0.46, 21 = 0.49, 22 = 0.49, 23 = 0.48, 24 = 0.49, 25 = 0.54, 26 = 0.77, 27 = 0.77 and 28 = 0.34

Continued on page 2

December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F11	FLOOR	7	1	J1919426
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 20, 23, 5 and 8.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida P.E. No. 24888
1400 Coastal Bay Blvd.
Boynton Beach, FL 33435

December 20, 2007

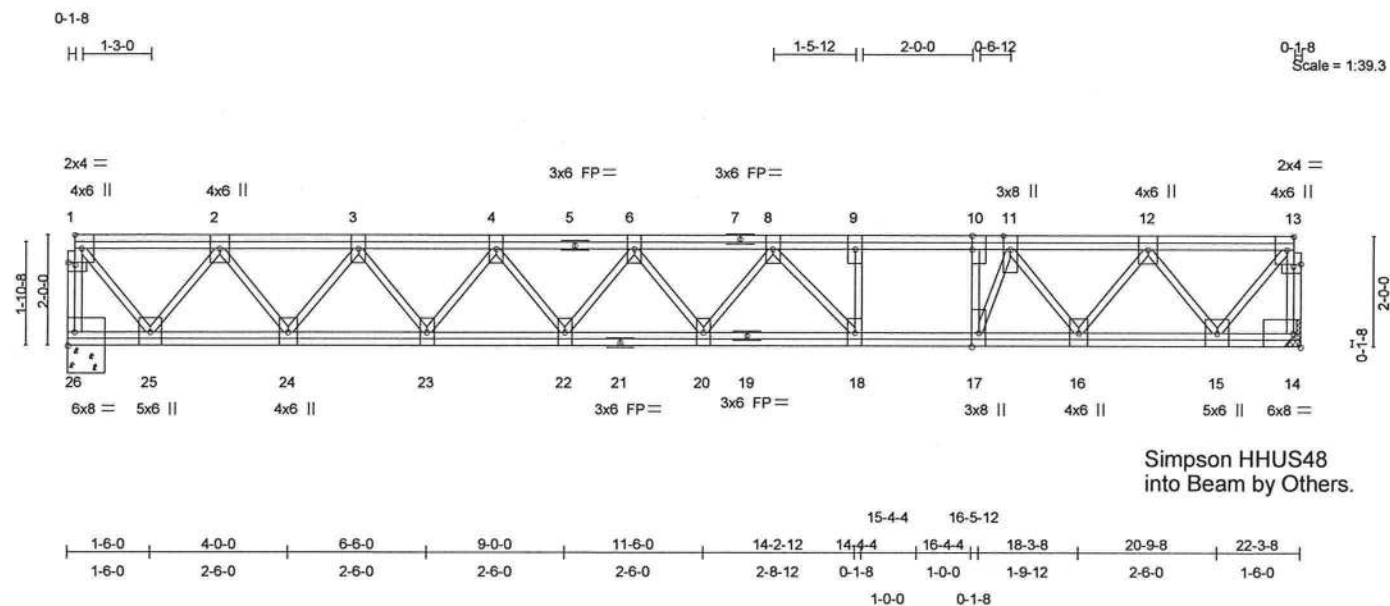
Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	
L263148F	F12	FLOOR	3	1	J1919427
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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Simpson HHUS48
into Beam by Others.

Plate Offsets (X,Y): [1:0-1-8,0-0-8], [10:0-3-0,0-0-0], [13:0-1-8,0-0-8], [13:0-3-0,Edge]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	2-0-0	TC 0.94	Vert(LL)	-0.27 18-20	>988	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.89	Vert(TL)	-0.42 18-20	>630	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.62	Horz(TL)	0.05 14	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 191 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 26=1212/0-8-0, 14=1212/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-26=-1206/0, 13-14=-1217/0, 1-2=-870/0, 2-3=-2199/0, 3-4=-3122/0, 4-5=-3644/0, 5-6=-3644/0, 6-7=-3832/0, 7-8=-3832/0, 8-9=-3259/0, 9-10=-3259/0, 10-11=-3259/0, 11-12=-2165/0, 12-13=-881/0
BOT CHORD 25-26=0/0, 24-25=0/1636, 23-24=0/2745, 22-23=0/3476, 21-22=0/3818, 20-21=0/3818, 19-20=0/3747, 18-19=0/3747, 17-18=0/3259, 16-17=0/2799, 15-16=0/1632, 14-15=0/0
WEBS 9-18=-31/366, 10-17=-1064/0, 1-25=0/1397, 2-25=-1319/0, 2-24=0/969, 3-24=-939/0, 3-23=0/649, 4-23=-608/0, 4-22=0/289, 6-22=-300/0, 6-20=-41/151, 8-20=-88/230, 8-18=-868/0, 13-15=0/1415, 12-15=-1292/0, 12-16=0/917, 11-16=-1091/0, 11-17=0/1542

JOINT STRESS INDEX

1 = 0.87, 1 = 0.47, 2 = 0.72, 3 = 0.67, 4 = 0.49, 5 = 0.23, 6 = 0.49, 7 = 0.24, 8 = 0.55, 9 = 0.32, 10 = 0.45, 11 = 0.83, 12 = 0.68, 13 = 0.88, 13 = 0.47, 14 = 0.46, 15 = 0.88, 16 = 0.68, 17 = 0.82, 18 = 0.54, 19 = 0.59, 20 = 0.49, 21 = 0.60, 22 = 0.49, 23 = 0.67, 24 = 0.72, 25 = 0.87 and 26 = 0.46

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Continued on page 2

December 20,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	
L263148F	F12	FLOOR	3	1	J1919427
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 19, 21, 5 and 7.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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December 20, 2007

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Job L263148F	Truss F13	Truss Type FLOOR	Qty 1	Ply 3	Job Reference (optional) J1919428
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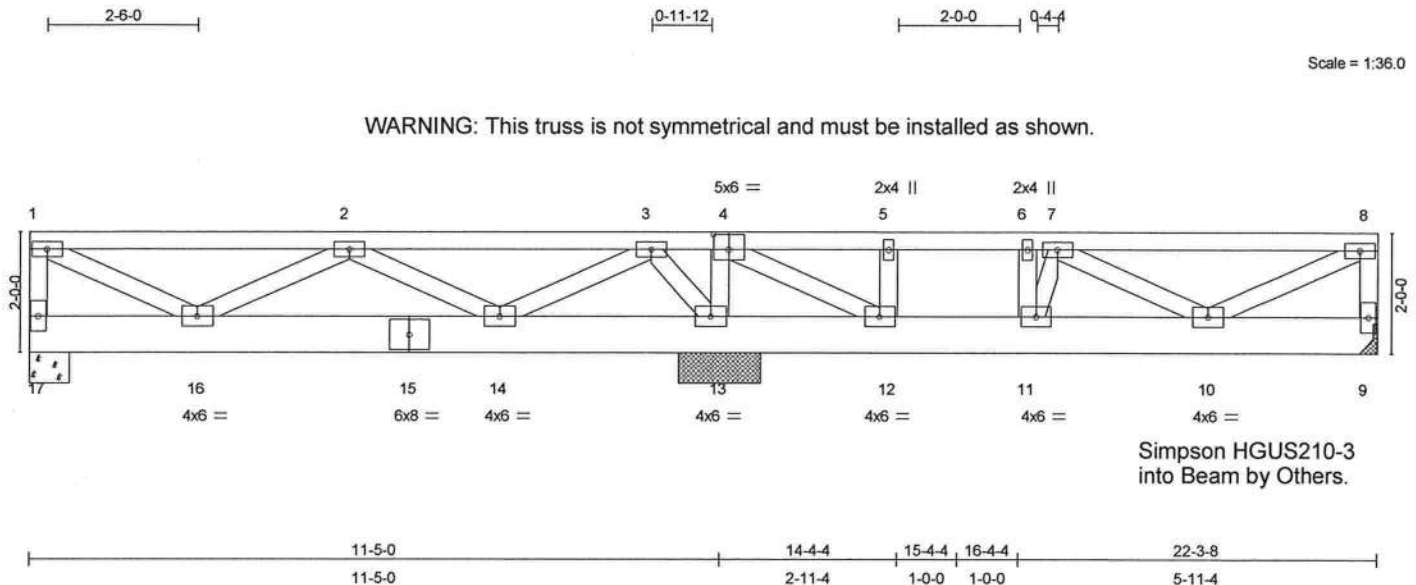


Plate Offsets (X,Y): [4:0-3-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.66	Vert(LL)	-0.04 14-16	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.34	Vert(TL)	-0.06 14-16	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.55	Horz(TL)	0.00 13	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 427 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

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

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 17=2646/0-8-0, 9=906/Mechanical, 13=5229/1-4-4
Max Uplift 9=-193(load case 2)
Max Grav 17=2723(load case 2), 9=906(load case 1), 13=5229(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-17=-2123/0, 8-9=-820/162, 1-2=-3459/0, 2-3=-3331/0, 3-4=0/2355, 4-5=-69/1288, 5-6=-69/1288, 6-7=-69/1288, 7-8=-765/345
BOT CHORD 16-17=0/295, 15-16=0/3795, 14-15=0/3795, 13-14=-537/0, 12-13=-2200/0, 11-12=-1288/69, 10-11=-1052/673, 9-10=0/402
WEBS 4-13=-1657/0, 5-12=-767/0, 6-11=0/935, 1-16=0/3668, 2-16=-396/58, 2-14=-698/0, 3-14=0/4112, 3-13=-3175/0, 4-12=0/2631, 8-10=-414/420, 7-10=0/833, 7-11=-1971/0

JOINT STRESS INDEX

1 = 0.87, 2 = 0.35, 3 = 0.98, 4 = 0.43, 5 = 0.34, 6 = 0.34, 7 = 0.50, 8 = 0.93, 9 = 0.28, 10 = 0.25, 11 = 0.35, 12 = 0.44, 13 = 0.30, 14 = 0.69, 15 = 0.36, 16 = 0.62 and 17 = 0.34

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

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December 20, 2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F13	FLOOR	1	3	J1919428

Builders FirstSource, Lake City, FL 32055

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NOTES

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) All plates are 3x6 MT20 unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 9.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 13-17=-443(F=-433), 9-13=-10, 1-4=-100, 4-8=-240

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December 20, 2007

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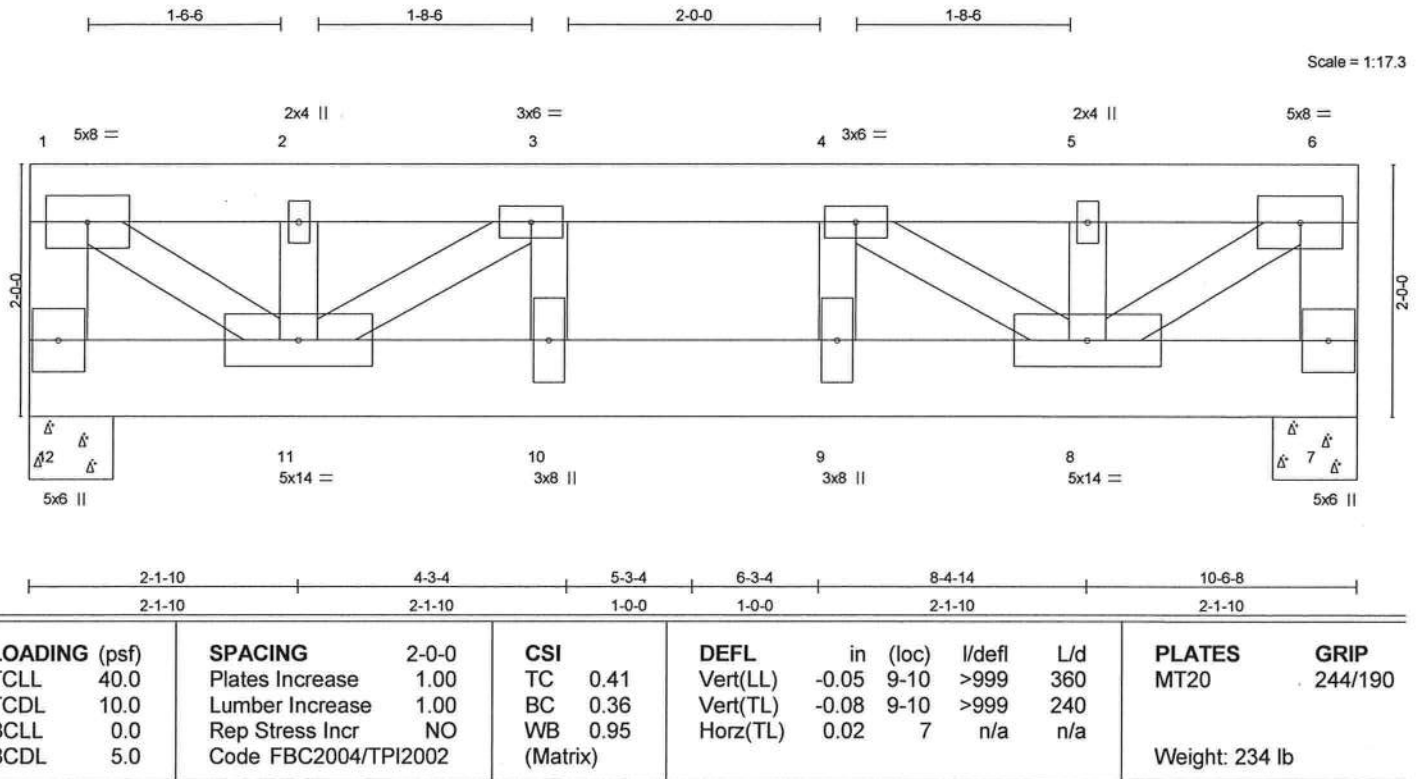
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Job L263148F	Truss F14	Truss Type FLOOR	Qty 1	Ply 3	Job Reference (optional) J1919429
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LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3 *Except*
 1-12 2 X 6 SYP No.1D, 6-7 2 X 6 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=7285/0-8-0, 7=7285/0-8-0

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-12=-5076/0, 6-7=-5076/0, 1-2=-7087/0, 2-3=-7087/0, 3-4=-11242/0, 4-5=-7087/0, 5-6=-7087/0
 BOT CHORD 11-12=0/1486, 10-11=0/11242, 9-10=0/11242, 8-9=0/11242, 7-8=0/1486
 WEBS 3-10=0/2876, 4-9=0/2876, 2-11=0/656, 1-11=0/7070, 3-11=-5170/0, 5-8=0/656, 4-8=-5170/0, 6-8=0/7070

JOINT STRESS INDEX

1 = 0.76, 2 = 0.20, 3 = 0.78, 4 = 0.78, 5 = 0.20, 6 = 0.76, 7 = 0.67, 8 = 0.82, 9 = 0.31, 10 = 0.31, 11 = 0.82 and 12 = 0.67

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 8 - 3 rows at 0-4-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F), or (B), unless otherwise indicated.
- Unbalanced floor live loads have been considered for this design.

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December 20, 2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F14	FLOOR	1	3	J1919429

Builders FirstSource, Lake City, FL 32055

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NOTES

- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 7-12=-1345(F=-1335), 1-6=-100

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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919430
L263148F	F15	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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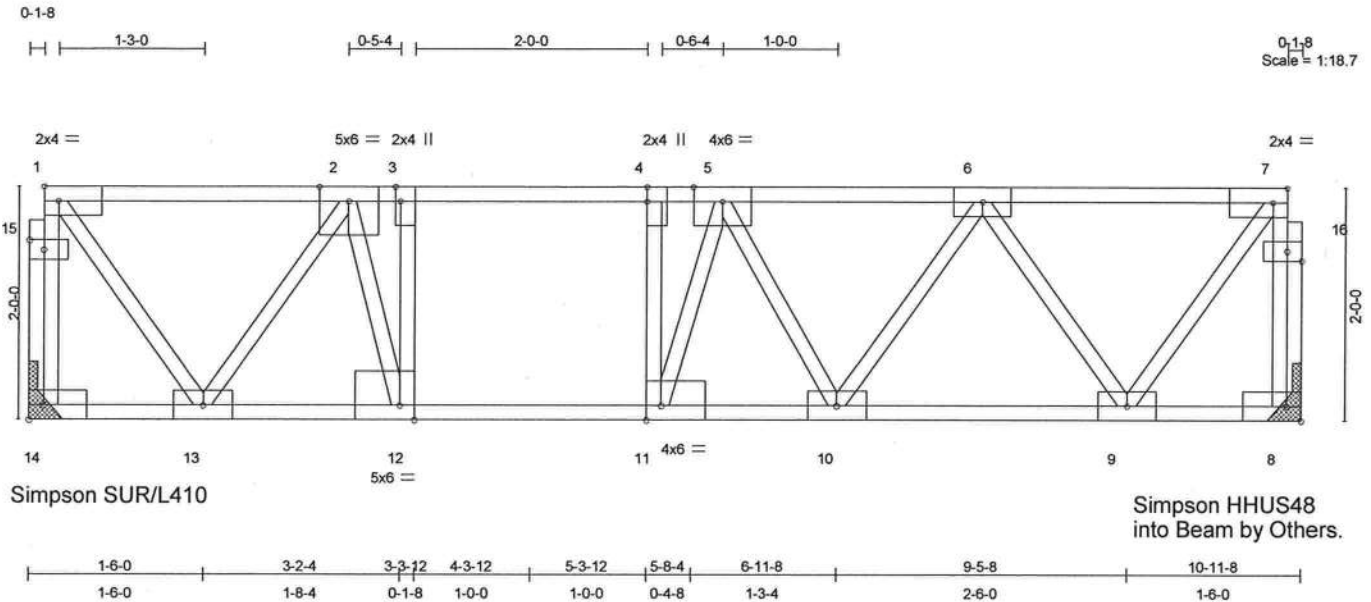


Plate Offsets (X,Y): [3:0-1-8,Edge], [4:0-1-8,0-0-0], [7:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.65	Vert(LL)	-0.07 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.50	Vert(TL)	-0.11 10-11	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.25	Horz(TL)	0.01 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 72 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

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

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 14=583/Mechanical, 8=583/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 14-15=-566/0, 1-15=-566/0, 8-16=-576/0, 7-16=-575/0, 1-2=-342/0, 2-3=-783/0, 3-4=-783/0, 4-5=-783/0, 5-6=-774/0, 6-7=-350/0
BOT CHORD 13-14=0/19, 12-13=0/673, 11-12=0/783, 10-11=0/831, 9-10=0/656, 8-9=0/19
WEBS 3-12=-466/0, 4-11=-130/143, 1-13=0/564, 2-13=-596/0, 2-12=0/622, 7-9=0/577, 6-9=-552/0, 6-10=0/213, 5-10=-147/0, 5-11=-256/139

JOINT STRESS INDEX

1 = 0.79, 2 = 0.48, 3 = 0.29, 4 = 0.18, 5 = 0.16, 6 = 0.39, 7 = 0.81, 8 = 0.44, 9 = 0.82, 10 = 0.30, 11 = 0.16, 12 = 0.48, 13 = 0.80, 14 = 0.43, 15 = 0.00, 15 = 0.00, 16 = 0.00 and 16 = 0.00

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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LOAD CASE(S) Standard

December 20, 2007

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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919431
L263148F	F16	FLOOR	1	1	Job Reference (optional)

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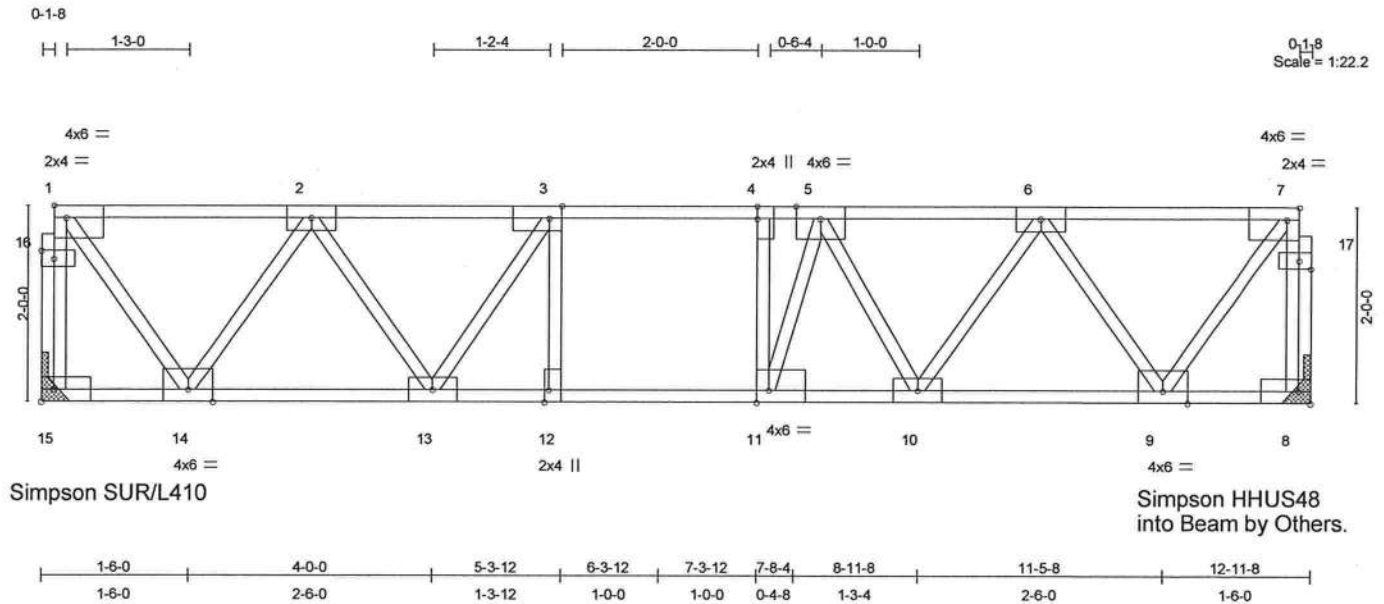


Plate Offsets (X,Y): [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,0-0-0], [7:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.37	Vert(LL)	-0.07 10-11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.48	Vert(TL)	-0.08 10-11	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.29	Horz(TL)	0.02 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 81 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 15=693/Mechanical, 8=693/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 15-16=-689/0, 1-16=-688/0, 8-17=-688/0, 7-17=-688/0, 1-2=-433/0, 2-3=-993/0, 3-4=-1167/0, 4-5=-1167/0, 5-6=-994/0, 6-7=-433/0
BOT CHORD 14-15=0/23, 13-14=0/809, 12-13=0/1167, 11-12=0/1167, 10-11=0/1129, 9-10=0/809, 8-9=0/23
WEBS 3-12=-70/121, 4-11=-279/17, 1-14=0/715, 2-14=-677/0, 2-13=0/349, 3-13=-396/0, 7-9=0/715, 6-9=-678/0, 6-10=0/334, 5-10=-293/0, 5-11=-97/389

JOINT STRESS INDEX

1 = 0.54, 2 = 0.50, 3 = 0.29, 4 = 0.18, 5 = 0.44, 6 = 0.48, 7 = 0.54, 8 = 0.53, 9 = 0.55, 10 = 0.47, 11 = 0.43, 12 = 0.15, 13 = 0.50, 14 = 0.55, 15 = 0.53, 16 = 0.00, 16 = 0.00, 17 = 0.00 and 17 = 0.00

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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December 20, 2007

LOAD CASE(S) Standard

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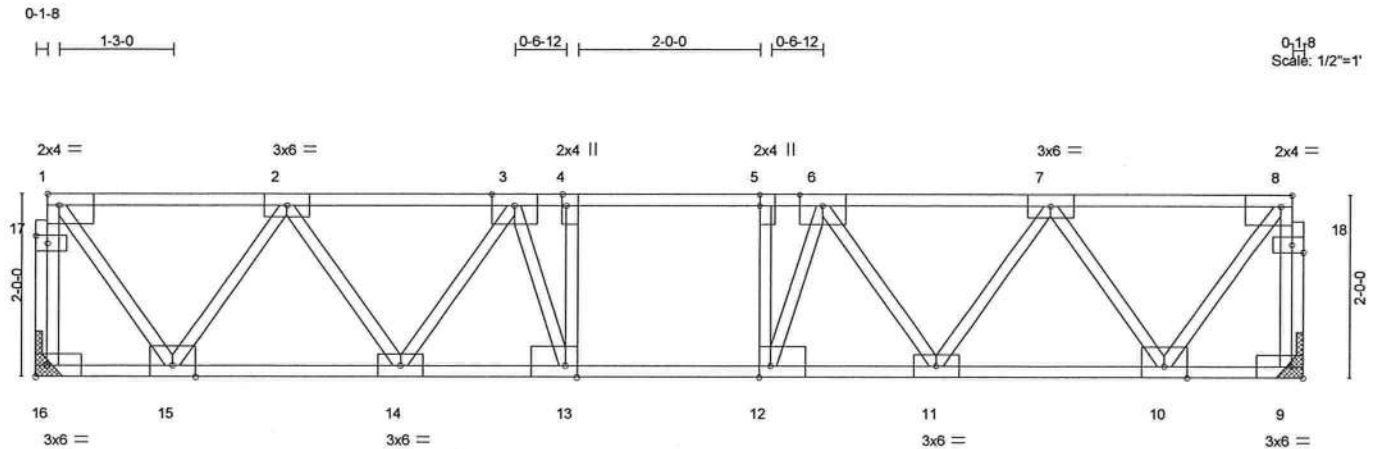


Job	Truss	Truss Type	Qty	Ply	
L263148F	F17	FLOOR	9	1	J1919432

Job Reference (optional)

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Simpson HHUS48

Simpson HHUS48
into Beam by Others.

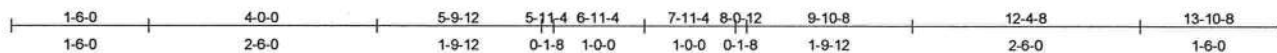


Plate Offsets (X,Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [8:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.45	Vert(LL)	-0.06 13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.41	Vert(TL)	-0.08 13-14	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.31	Horz(TL)	0.02 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 87 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

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

Recommended hanger connection based on manufacturer tested capacities and nail calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger connection to be reviewed and approved by the Architect/Engineer of Record.

REACTIONS (lb/size) 16=743/Mechanical, 9=743/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 16-17=-739/0, 1-17=-738/0, 9-18=-739/0, 8-18=-738/0, 1-2=-471/0, 2-3=-1095/0, 3-4=-1343/0, 4-5=-1343/0, 5-6=-1343/0, 6-7=-1095/0, 7-8=-471/0

BOT CHORD 15-16=0/25, 14-15=0/882, 13-14=0/1293, 12-13=0/1343, 11-12=0/1293, 10-11=0/882, 9-10=0/25

WEBS 4-13=-321/37, 5-12=-321/37, 1-15=0/778, 2-15=-740/0, 2-14=0/384, 3-14=-357/0, 3-13=-85/425, 8-10=0/778, 7-10=-740/0, 7-11=0/384, 6-11=-357/0, 6-12=-85/425

JOINT STRESS INDEX

1 = 0.59, 2 = 0.54, 3 = 0.46, 4 = 0.20, 5 = 0.20, 6 = 0.46, 7 = 0.54, 8 = 0.59, 9 = 0.56, 10 = 0.60, 11 = 0.54, 12 = 0.46, 13 = 0.46, 14 = 0.54, 15 = 0.60, 16 = 0.56, 17 = 0.00, 18 = 0.00 and 18 = 0.00

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 4x6 MT20 unless otherwise indicated.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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December 20,2007

LOAD CASE(S) Standard

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Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

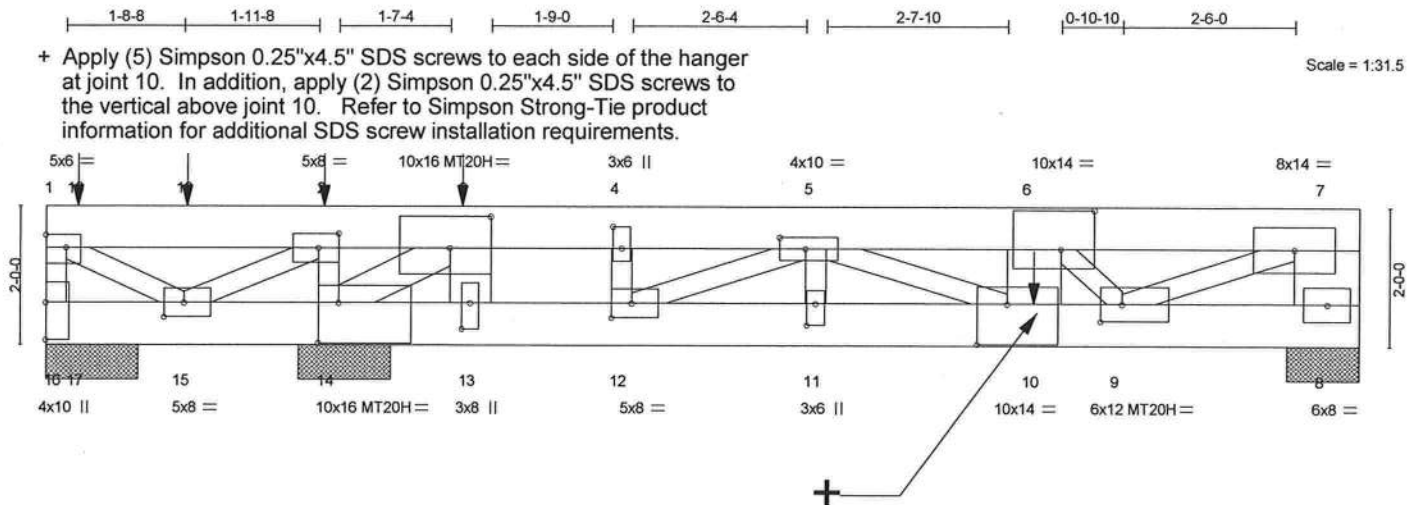
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Job L263148F	Truss F18	Truss Type FLOOR	Qty 1	Ply 3	J1919433 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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WARNING: This truss is not symmetrical and must be installed as shown.



Plate Offsets (X,Y): [1:Edge,0-2-4], [2:0-3-8,0-2-8], [3:0-7-4,0-5-8], [4:0-3-12,0-1-8], [5:0-4-8,0-2-0], [6:0-5-12,0-6-12], [9:0-3-12,0-3-0], [10:0-5-4,0-7-0], [11:0-3-12,0-1-8], [12:0-3-8,0-2-8], [13:0-4-8,0-1-8], [14:0-3-8,0-7-0], [15:0-3-8,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.77	Vert(LL)	-0.19 11	>918	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.95	Vert(TL)	-0.35 10-11	>494	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.96	Horz(TL)	0.05 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 465 lb	

LUMBER

TOP CHORD 2 X 8 SYP 2400F 2.0E
 BOT CHORD 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3 *Except*
 1-16 2 X 4 SYP No.2, 7-8 2 X 12 SYP No.2
 3-13 2 X 8 SYP No.1D, 6-10 2 X 10 SYP No.2
 3-14 2 X 6 SYP No.1D, 5-12 2 X 4 SYP No.1D
 7-9 2 X 4 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 15-16,14-15.

REACTIONS (lb/size) 16=-2374/1-4-0, 8=12278/1-0-8, 14=30804/1-4-0
 Max Uplift 16=-4443(load case 3), 8=-820(load case 6), 14=-8938(load case 6)
 Max Grav 16=1252(load case 2), 8=12278(load case 1), 14=30804(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-16=-793/4526, 7-8=-9498/677, 1-18=-2000/7545, 18-19=-2000/7545, 2-19=-2000/7545,
 2-3=-3088/13528, 3-4=-12731/3524, 4-5=-12731/3524, 5-6=-27517/2115, 6-7=-19954/1398
 BOT CHORD 16-17=-696/191, 15-17=-696/191, 14-15=-13528/3088, 13-14=-3524/12731,
 12-13=-3524/12731, 11-12=-3069/26380, 10-11=-3069/26380, 9-10=-2115/27517,
 8-9=-356/5498
 WEBS 2-14=-9508/2871, 3-13=0/4339, 4-12=0/3250, 6-10=-601/8201, 1-15=-9028/2329,
 2-15=-1306/7180, 3-14=-31759/7996, 5-12=-15237/0, 5-10=-513/1886, 7-9=-1151/15975,
 6-9=-11234/1066, 5-11=0/2743

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JOINT STRESS INDEX

1 = 0.89, 2 = 0.67, 3 = 0.74, 4 = 0.44, 5 = 0.98, 6 = 0.44, 7 = 0.83, 8 = 0.86, 9 = 1.00, 10 = 0.95, 11 = 0.37, 12 = 0.99, 13 = 0.47, 14 = 0.99, 15 = 0.96 and 16 = 0.65

December 20,2007

Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F18	FLOOR	1	3	J1919433

Builders FirstSource, Lake City, FL 32055

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NOTES

- 1) Distribute loads equally between all plies. Additional screws (+) are required to distribute the load equally among all plies.
- 2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 12 - 2 rows at 0-9-0 oc, 2 X 8 - 3 rows at 0-4-0 oc.
Bottom chords connected as follows: 2 X 8 - 4 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc, 2 X 10 - 5 rows at 0-4-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
- 3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 4) Unbalanced floor live loads have been considered for this design.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4443 lb uplift at joint 16, 820 lb uplift at joint 8 and 8938 lb uplift at joint 14.
- 7) Uplift for first LC exceeds limits
- 8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-17=-10, 8-17=-381(F=-371), 1-18=-100, 3-18=-240, 3-7=-582
Concentrated Loads (lb)
Vert: 2=-2325 3=-9989 10=-8204(F) 18=-2328 19=-2328
- 3) 2nd unbalanced Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-17=-10, 8-17=-381(F=-371), 1-2=-20, 2-3=-100, 3-7=-442
Concentrated Loads (lb)
Vert: 2=-634 3=-9989 10=-3924(F) 6=-2854(F) 18=-635 19=-635
- 5) 2nd chase Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-17=-10, 8-17=-381(F=-371), 1-2=-100, 2-3=-20, 3-7=-442
Concentrated Loads (lb)
Vert: 2=-2325 3=-2724 10=-3924(F) 6=-2854(F) 18=-2328 19=-2328
- 6) User defined: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-15=-6(F), 1-3=-12(F), 3-7=59(F=-12)
Concentrated Loads (lb)
Vert: 1=744 2=744 3=6389 19=744

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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F19	FLOOR	1	3	J1919434

Builders FirstSource, Lake City, FL 32055

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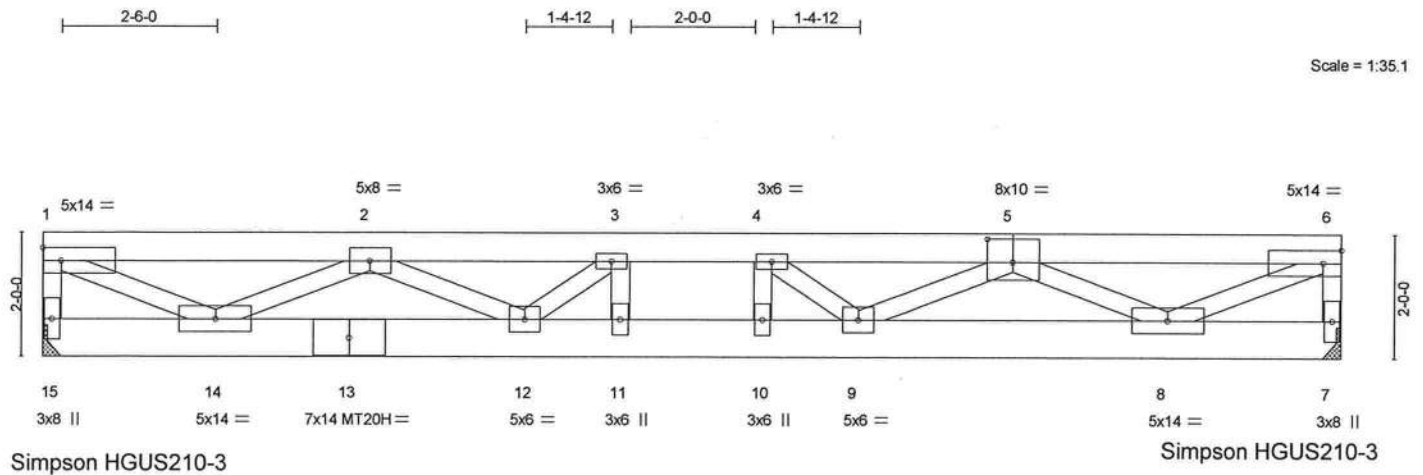


Plate Offsets (X,Y): [5:0-5-0,0-4-8]		9-5-12		10-5-12, 11-5-12		20-11-8	
		9-5-12		1-0-0 1-0-0		9-5-12	
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES
TCLL 40.0	Plates Increase 1.00	TC 0.81	Vert(LL)	-0.28 10-11	>872	360	MT20 244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.65	Vert(TL)	-0.57 10-11	>436	240	MT20H 187/143
BCLL 0.0	Rep Stress Incr NO	WB 0.97	Horz(TL)	0.08 7	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)					Weight: 444 lb

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.2 *Except*
3-11 2 X 4 SYP No.3, 4-10 2 X 4 SYP No.3
3-12 2 X 4 SYP No.3, 4-9 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 15=8204/Mechanical, 7=8204/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-7128/0, 6-7=-7128/0, 1-2=-12140/0, 2-3=-25679/0, 3-4=-27254/0, 4-5=-25679/0, 5-6=-12140/0
BOT CHORD 14-15=0/1136, 13-14=0/20236, 12-13=0/20236, 11-12=0/27254, 10-11=0/27254, 9-10=0/27254, 8-9=0/20236, 7-8=0/1136
WEBS 3-11=0/768, 4-10=0/768, 1-14=0/12586, 2-14=-9390/0, 2-12=0/6312, 3-12=-2176/0, 6-8=0/12586, 5-8=-9389/0, 5-9=0/6312, 4-9=-2176/0

JOINT STRESS INDEX
1 = 0.85, 2 = 0.98, 3 = 0.35, 4 = 0.35, 5 = 0.86, 6 = 0.85, 7 = 0.83, 8 = 0.94, 9 = 0.85, 10 = 0.16, 11 = 0.16, 12 = 0.85, 13 = 0.84, 14 = 0.94 and 15 = 0.83

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

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December 20, 2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F19	FLOOR	1	3	J1919434

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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NOTES

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced floor live loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-15=-452(F=-442), 1-6=-342(F=-102)

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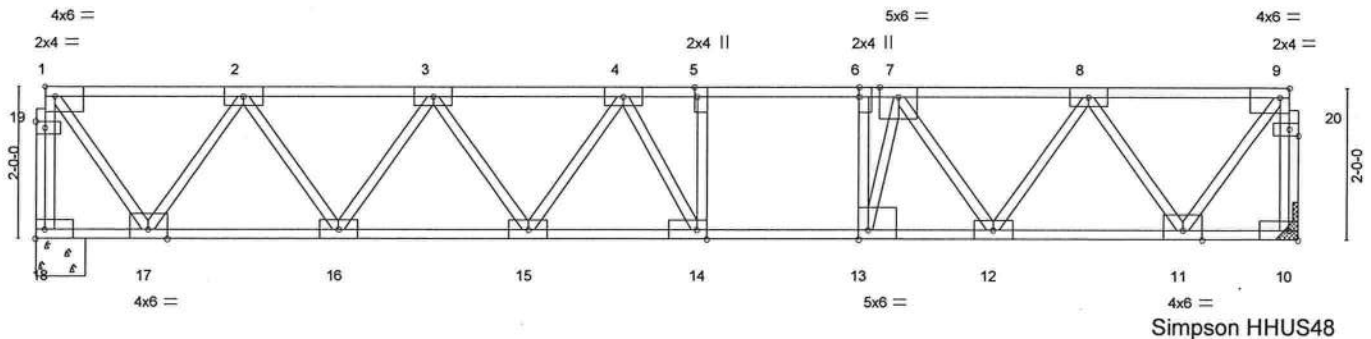


Job	Truss	Truss Type	Qty	Ply	J1919435
L263148F	F20	FLOOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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0-1-8
H | 1-3-0 |
0-11-12 | 2-0-0 | 0-4-12
0-1-8
Scale = 1:28.6



1-6-0	4-0-0	6-6-0	8-8-12	8-10-4	10-10-4	12-7-8	15-1-8	16-7-8
1-6-0	2-6-0	2-6-0	2-2-12	0-1-8	1-0-0	1-7-12	2-6-0	1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,0-0-0], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-1-8,0-1-0], [20:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.96	Vert(LL)	-0.17 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.85	Vert(TL)	-0.25 14-15	>794	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.39	Horz(TL)	0.03 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 102 lb	

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

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

REACTIONS (lb/size) 18=894/0-8-0, 10=894/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 18-19=-891/0, 1-19=-890/0, 10-20=-893/0, 9-20=-893/0, 1-2=-581/0, 2-3=-1408/0, 3-4=-1863/0, 4-5=-1882/0, 5-6=-1882/0, 6-7=-1882/0, 7-8=-1398/0, 8-9=-584/0
BOT CHORD 17-18=0/30, 16-17=0/1090, 15-16=0/1716, 14-15=0/1965, 13-14=0/1882, 12-13=0/1731, 11-12=0/1090, 10-11=0/30
WEBS 5-14=-155/167, 6-13=-692/0, 1-17=0/962, 2-17=-918/0, 2-16=0/573, 3-16=-555/0, 3-15=0/266, 4-15=-225/0, 4-14=-336/214, 9-11=0/967, 8-11=-912/0, 8-12=0/554, 7-12=-600/0, 7-13=0/906

JOINT STRESS INDEX

1 = 0.73, 2 = 0.81, 3 = 0.66, 4 = 0.74, 5 = 0.47, 6 = 0.47, 7 = 0.73, 8 = 0.79, 9 = 0.74, 10 = 0.68, 11 = 0.74, 12 = 0.79, 13 = 0.72, 14 = 0.74, 15 = 0.66, 16 = 0.81, 17 = 0.74, 18 = 0.68, 19 = 0.00, 19 = 0.47, 20 = 0.00 and 20 = 0.47

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F20	FLOOR	6	1	J1919435
Job Reference (optional)					

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LOAD CASE(S) Standard

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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919436
L263148F	F21	FLOOR	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

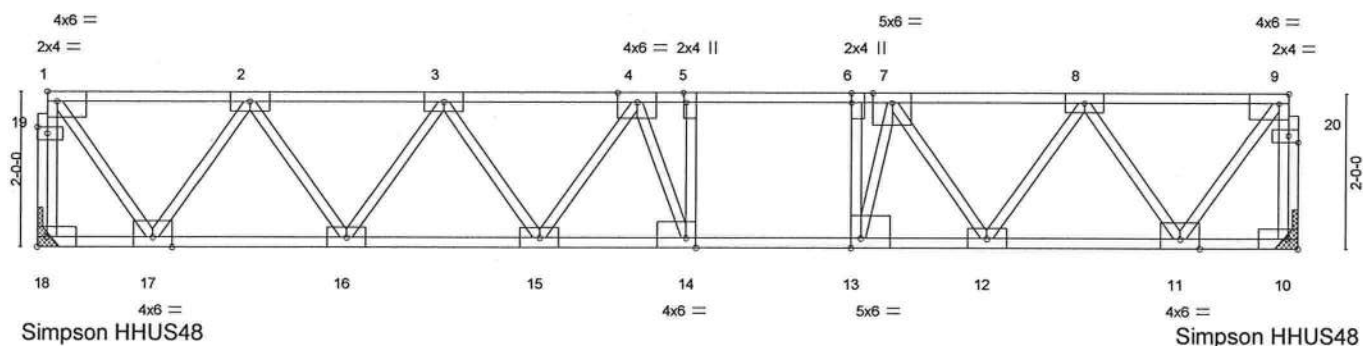
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0-1-8

H I 1-3-0

0-7-12 2-0-0 0-4-12

0-1-8
Scale = 1:28.0



1-6-0 4-0-0 6-6-0 8-4-12 8-6-4 9-6-4 10-6-4 12-3-8 14-9-8 16-3-8
1-6-0 2-6-0 2-6-0 1-10-12 0-1-8 1-0-0 1-0-0 0-1-8 1-7-12 2-6-0 1-6-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-1-8,0-1-0], [20:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.89	Vert(LL)	-0.14 14-15	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.79	Vert(TL)	-0.21 14-15	>898	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.38	Horz(TL)	0.03 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 101 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 18=876/Mechanical, 10=876/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 18-19=-872/0, 1-19=-872/0, 10-20=-875/0, 9-20=-874/0, 1-2=-567/0, 2-3=-1371/0, 3-4=-1799/0, 4-5=-1814/0, 5-6=-1814/0, 6-7=-1814/0, 7-8=-1361/0, 8-9=-571/0
BOT CHORD 17-18=0/29, 16-17=0/1065, 15-16=0/1665, 14-15=0/1887, 13-14=0/1814, 12-13=0/1677, 11-12=0/1065, 10-11=0/29
WEBS 5-14=-181/242, 6-13=-648/0, 1-17=0/939, 2-17=-897/0, 2-16=0/552, 3-16=-531/0, 3-15=0/247, 4-15=-228/0, 4-14=-393/230, 9-11=0/944, 8-11=-892/0, 8-12=0/534, 7-12=-570/0, 7-13=0/845

JOINT STRESS INDEX

1 = 0.71, 2 = 0.78, 3 = 0.66, 4 = 0.45, 5 = 0.47, 6 = 0.47, 7 = 0.68, 8 = 0.76, 9 = 0.72, 10 = 0.67, 11 = 0.72, 12 = 0.76, 13 = 0.68, 14 = 0.45, 15 = 0.66, 16 = 0.78, 17 = 0.72, 18 = 0.67, 19 = 0.00, 19 = 0.47, 20 = 0.00 and 20 = 0.47

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x6 MT20 unless otherwise indicated.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 2-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Julius Lee
Truss Design Engineer
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1100 Coastal Bay Blvd
Boynton Beach, FL 33436

December 20, 2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	
L263148F	F21	FLOOR	4	1	J1919436
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard

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Truss Design Engineer
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December 20, 2007

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Job	Truss	Truss Type	Qty	Ply	J1919437
L263148F	F22	FLOOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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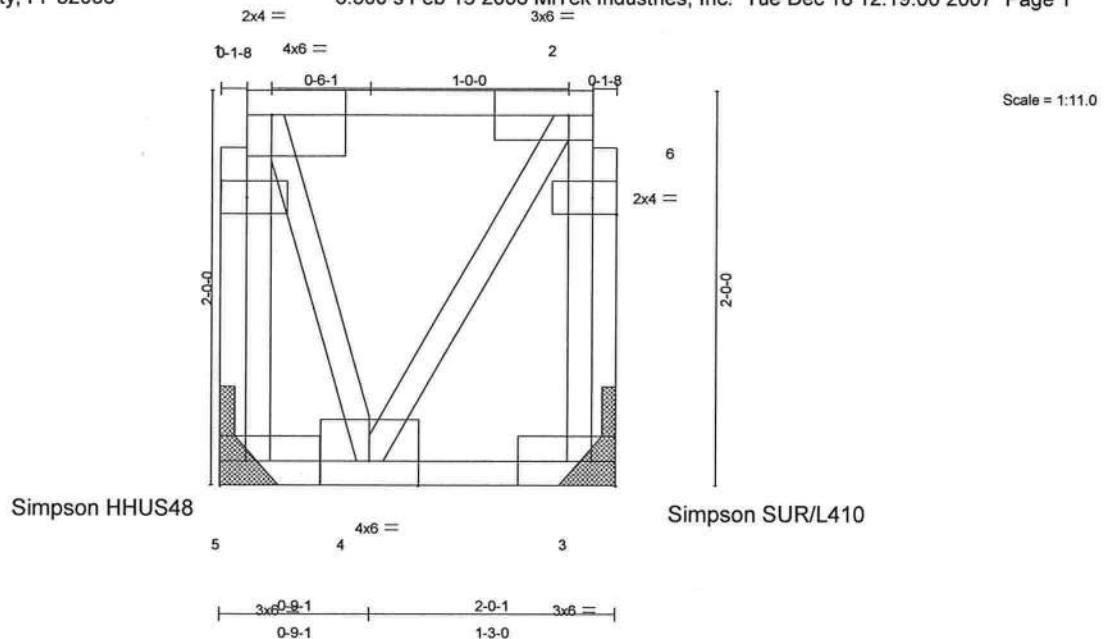


Plate Offsets (X,Y): [1:Edge,0-1-8], [1:0-1-8,0-1-0], [2:0-1-8,Edge], [6:0-1-8,0-1-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.17	Vert(LL)	-0.00	4	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.01	Vert(TL)	-0.00	4	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 21 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=96/Mechanical, 3=90/Mechanical

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-5=-94/0, 3-6=-85/0, 2-6=-85/0, 1-2=-3/0
BOT CHORD 4-5=0/0, 3-4=0/3
WEBS 2-4=0/1, 1-4=0/10

JOINT STRESS INDEX

1 = 0.04, 1 = 0.00, 2 = 0.06, 3 = 0.07, 4 = 0.01, 5 = 0.07, 6 = 0.00 and 6 = 0.00

NOTES

1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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December 20,2007

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F23	FLOOR	1	3	J1919438

Job Reference (optional)

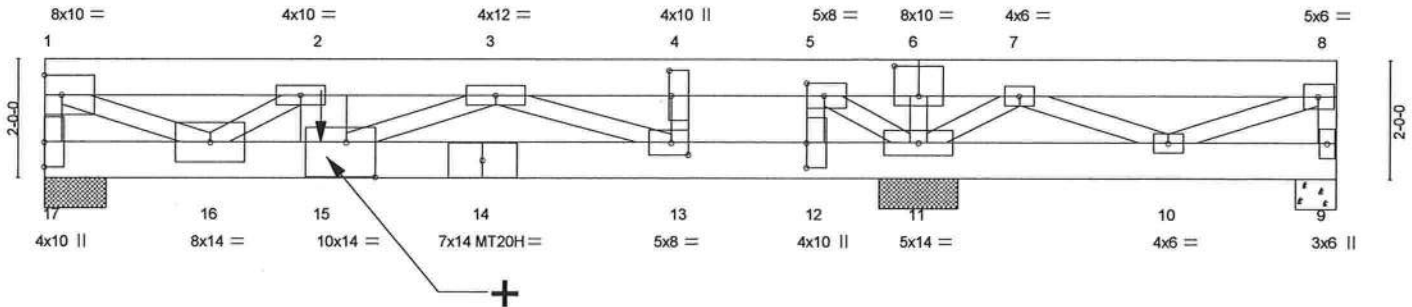
Builders FirstSource, Lake City, FL 32055

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+ Apply (5) Simpson 0.25"x4.5" SDS screws to each side of the hanger at joint 15. In addition, apply (2) Simpson 0.25"x4.5" SDS screws to the vertical above joint 15. Refer to Simpson Strong-Tie product information for additional SDS screw installation requirements.

Scale = 1:36.5



WARNING: This truss is not symmetrical and must be installed as shown.

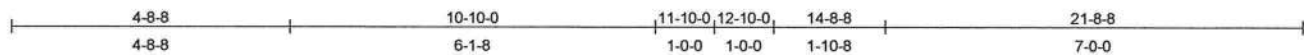


Plate Offsets (X,Y): [4:0-5-0,0-0-8], [5:0-3-8,0-2-8], [6:0-5-0,0-6-0], [12:0-5-0,0-0-0], [13:0-3-8,0-2-8], [15:0-5-12,0-7-0]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00		TC 0.99	Vert(LL)	-0.20 13-15	>892	360	MT20	244/190
TCDL 10.0	Lumber Increase 1.00		BC 0.66	Vert(TL)	-0.32 13-15	>553	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr NO		WB 0.97	Horz(TL)	0.04 11	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 511 lb

LUMBER

TOP CHORD 2 X 8 SYP No.1D
 BOT CHORD 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3 *Except*
 1-17 2 X 4 SYP No.1D, 8-9 2 X 4 SYP No.1D
 2-15 2 X 10 SYP No.2, 1-16 2 X 4 SYP No.1D
 3-15 2 X 4 SYP No.1D, 8-10 2 X 4 SYP No.1D
 7-10 2 X 4 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 10-11,9-10.

REACTIONS (lb/size) 17=10087/1-0-8, 9=-206/0-8-0, 11=10705/1-4-0

Max Uplift 17=-148(load case 6), 9=-426(load case 2)

Max Grav 17=10087(load case 1), 9=663(load case 3), 11=10705(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-17=-8689/145, 8-9=-170/862, 1-2=-14401/70, 2-3=-23673/105, 3-4=-5246/0, 4-5=-5246/0, 5-6=0/6180, 6-7=0/6180, 7-8=-27/1738

BOT CHORD 16-17=-42/1826, 15-16=-105/23673, 14-15=0/16832, 13-14=0/16832, 12-13=0/5246, 11-12=0/5246, 10-11=-4848/22, 9-10=-86/103

WEBS 2-15=0/6752, 4-13=-0/4203, 5-12=0/4201, 6-11=-20/434, 1-16=-32/14218, 2-16=-11469/43, 3-15=-173/7600, 3-13=-12710/1, 5-11=-14685/0, 8-10=-1870/16, 7-10=0/3562, 7-11=-1921/0

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JOINT STRESS INDEX

1 = 0.84, 2 = 0.88, 3 = 0.89, 4 = 0.34, 5 = 0.83, 6 = 0.56, 7 = 0.59, 8 = 0.21, 9 = 0.15, 10 = 0.59, 11 = 0.81, 12 = 0.34, 13 = 0.84, 14 = 0.86, 15 = 0.95, 16 = 1.00 and 17 = 0.71

December 20,2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L263148F	F23	FLOOR	1	3	J1919438

Builders FirstSource, Lake City, FL 32055

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NOTES

- 1) Distribute loads equally between all plies. Additional screws (+) are required to distribute the load equally among all plies.
- 2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 4 rows at 0-4-0 oc.
Webs connected as follows: 2 X 10 - 5 rows at 0-4-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
- 3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 4) Unbalanced floor live loads have been considered for this design.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 17 and 426 lb uplift at joint 9.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-375(F=-366), 1-2=-582, 2-8=-100
Concentrated Loads (lb)
Vert: 15=-8204(F)
- 6) User defined: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-6, 1-2=59(F=71), 2-8=-12

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December 20, 2007

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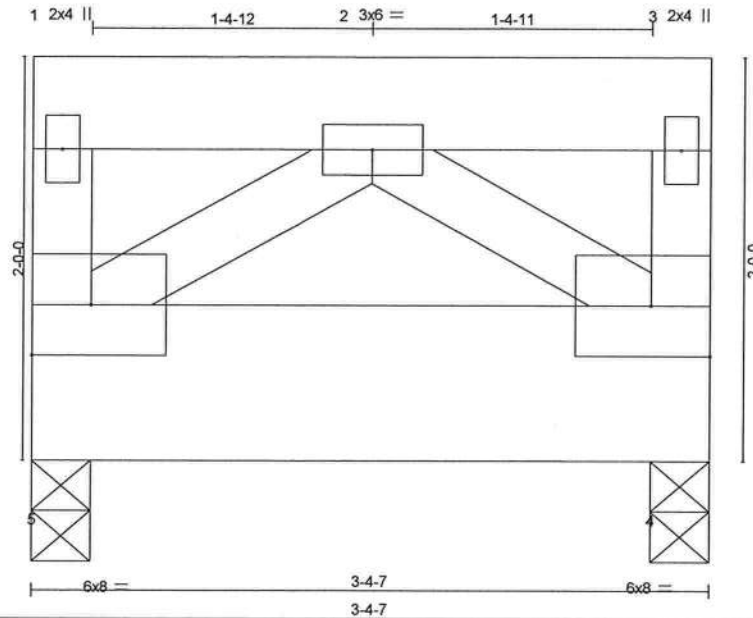
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Job	Truss	Truss Type	Qty	Ply	J1919439
L263148F	F24	FLOOR	1	3	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1:10.8

LOADING (psf)	SPACING	1-4-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.10	Vert(LL)	-0.00	4-5	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.14	Vert(TL)	-0.00	4-5	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.12	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 84 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 10 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-7
oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=2725/0-3-8, 4=2725/0-3-8
Max Uplift 5=-552(load case 2), 4=-552(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-5=-936/248, 3-4=-930/246, 1-2=0/0, 2-3=0/0
BOT CHORD 4-5=-346/1305
WEBS 2-5=-1754/465, 2-4=-1758/466

JOINT STRESS INDEX

1 = 0.15, 2 = 0.21, 3 = 0.15, 4 = 0.12 and 5 = 0.12

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-7-0 oc.
Bottom chords connected as follows: 2 X 10 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 552 lb uplift at joint 5 and 552 lb uplift at joint 4.

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December 20, 2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	
L263148F	F24	FLOOR	1	3	J1919439

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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NOTES

- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S)

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-5=-401(F=-395), 1-3=-1371
- 2) User defined: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-5=-4, 1-3=363(F=371)

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December 20, 2007

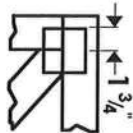
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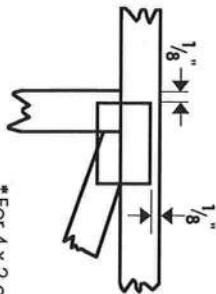


Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

PLATE SIZE

4 X 4

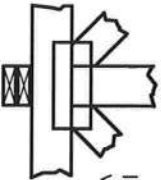
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



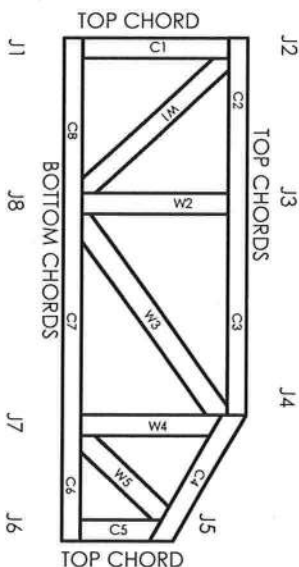
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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



MITek Engineering Reference Sheet: MII-7473



General Safety Notes

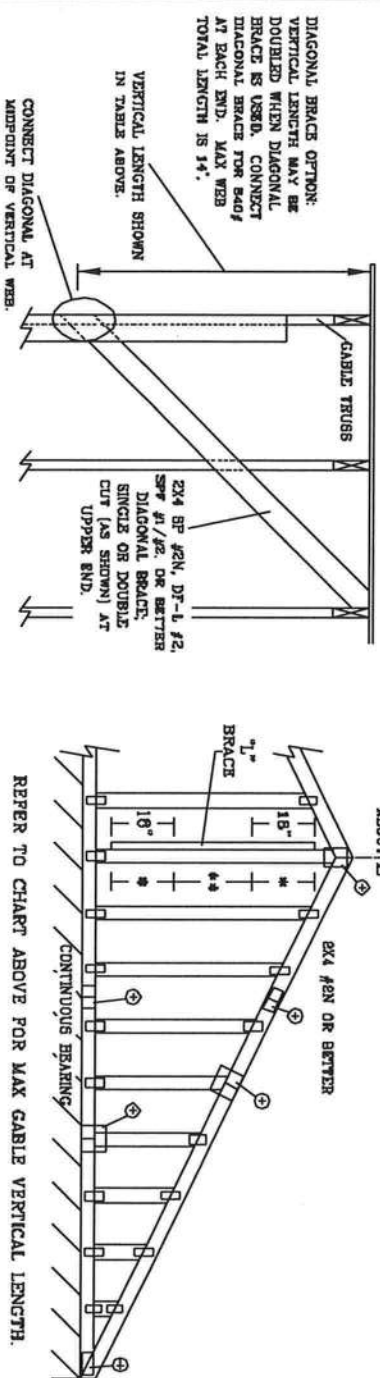
Failure to Follow Could Cause Property Damage or Personal Injury

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

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ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH									
CABLE VERTICAL SPACING	2X4 BRACE SPECIES	GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE *	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	6' 3"	6' 6"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"
		STUD	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"
		#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"
	DFL	#2	3' 7"	6' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 6"
		STUD	3' 8"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 6"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"
		#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 6"
16" O.C.	SPF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"
		STANDARD	3' 9"	5' 2"	6' 2"	6' 10"	6' 10"	9' 2"	9' 2"
		#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	9' 5"
		#2	4' 2"	6' 2"	6' 2"	7' 11"	8' 2"	9' 6"	9' 6"
	DFL	#3	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 5"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 5"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"
		#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 6"	10' 6"
		#3	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"
24" O.C.	SPF	STUD	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"
		STANDARD	4' 2"	6' 11"	6' 11"	8' 8"	8' 8"	10' 5"	10' 5"
		#1	4' 8"	7' 4"	7' 11"	8' 9"	8' 9"	10' 5"	10' 5"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	8' 9"	10' 5"	10' 5"
		#3	4' 4"	7' 1"	7' 1"	8' 9"	8' 9"	10' 5"	10' 5"
	DFL	STUD	4' 4"	7' 1"	7' 1"	8' 9"	8' 9"	10' 5"	10' 5"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 5"
		#1	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 5"
		#2	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 5"
		#3	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 5"



BRACING GROUP SPECIES AND GRADES:									
GROUP A:					GROUP B:				
SPRUCE-PINE-TR					HDM-FIR				
#1 / #2	STUD	#3	STUD	STANDARD	#1 / #2	STUD	#3	STUD	STANDARD
DOUGLAS FIR-LARCH					SOUTHERN PINE				
#1	STUD	#2	STUD	STANDARD	#1	STUD	#2	STUD	STANDARD
SOUTHERN PINE					HDM-FIR				
#1	STUD	#2	STUD	STANDARD	#1	STUD	#2	STUD	STANDARD

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEPLETION CREDITS IS 1/240.
 PROVIDE UPLIFT CONNECTIONS FOR 136 PSF OVER
 CONTINUOUS BEARING (6 PSF TC DEAD LOAD).
 CABLE END SUPPORTS LOAD FROM 4' 0"
 OUTLIMBS WITH 8' 0" OVERHANG, OR 12"
 PLYWOOD OVERHANG.
 ATTACH EACH "L" BRACE WITH 10d NAILS.
 * FOR (1) "L" BRACE: SPACE NAILS AT 8' O.C.
 IN 18' END ZONES AND 4' O.C. BETWEEN ZONES.
 ** FOR (2) "L" BRACES: SPACE NAILS AT 8' O.C.
 IN 18' END ZONES AND 4' O.C. BETWEEN ZONES.
 "L" BRACING MUST BE A MINIMUM OF 80% OF WEB
 MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPICE	LESS THAN 4' 0"	1X OR 2X3
LESS THAN 4' 0"	1X OR 2X3	LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2X4	GREATER THAN 11' 8"	2X4

* REFER TO COMMON TRUSS DESIGN FOR
 PEAK, SPICE, AND HEEL PLATES.

WARNING THUSSE'S REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
 BRACING. REFER TO ECHS 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL
 PLATE INSTITUTE, 283 PONDHURST DR., SUITE 200, ARLINGTON, VA 22204 AND VITA (VITA TRUSS COUNCIL
 OF AMERICA, 6300 ENTERPRISE LN, ARLINGTON, VA 22201) FOR SAFETY PRACTICES PRIOR TO PERFORMING
 THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED
 STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

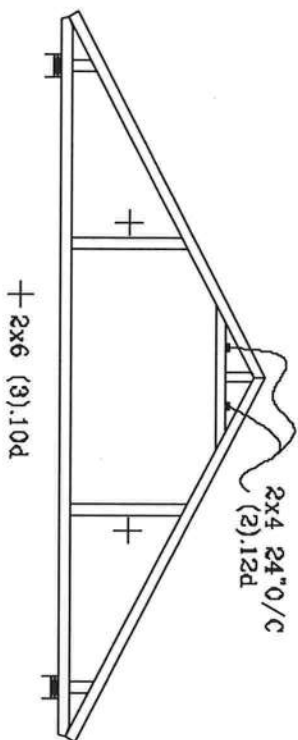
JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1455 SW 4th AVENUE
 DELRAY BEACH, FL 33444-8161

No. 34889
 STATE OF FLORIDA

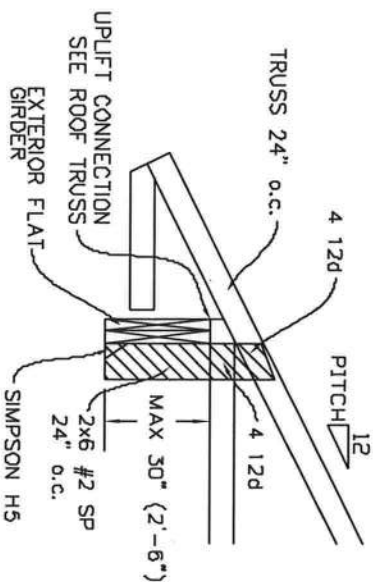
MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0"

REF ASCE7-02-CAB13015
 DATE 11/26/03
 DRWG MTKX STD CABLE IS E HT
 -ENG

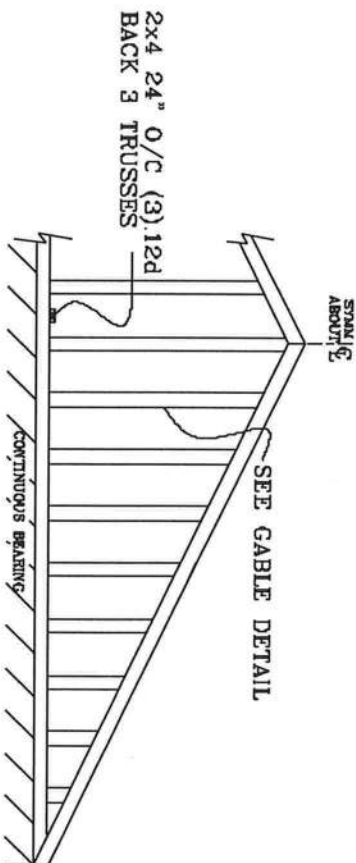
TYPICAL ATTIC TRUSS BRACING



TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS

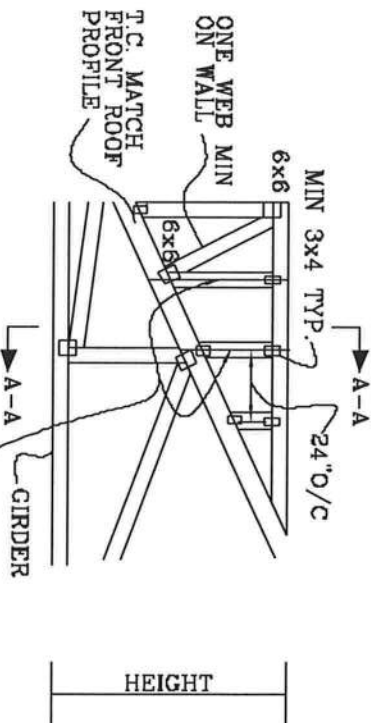


CABLE END TRUSS DETAIL



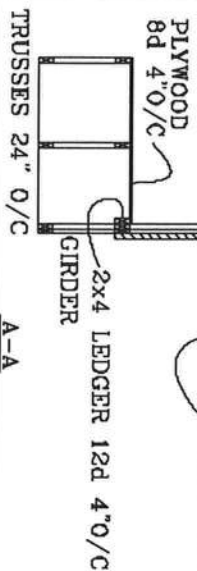
MINIMUM BC BRACING ON CABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



SEE ROOF TRUSSES FOR UPLIFT TRUSS 24" O/C

SEE CABLE END DETAIL FOR T-BRACE BEHIND EACH VERTICAL



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DELRAY BEACH, FL 33444-2161

No: 34669
STATE OF FLORIDA

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

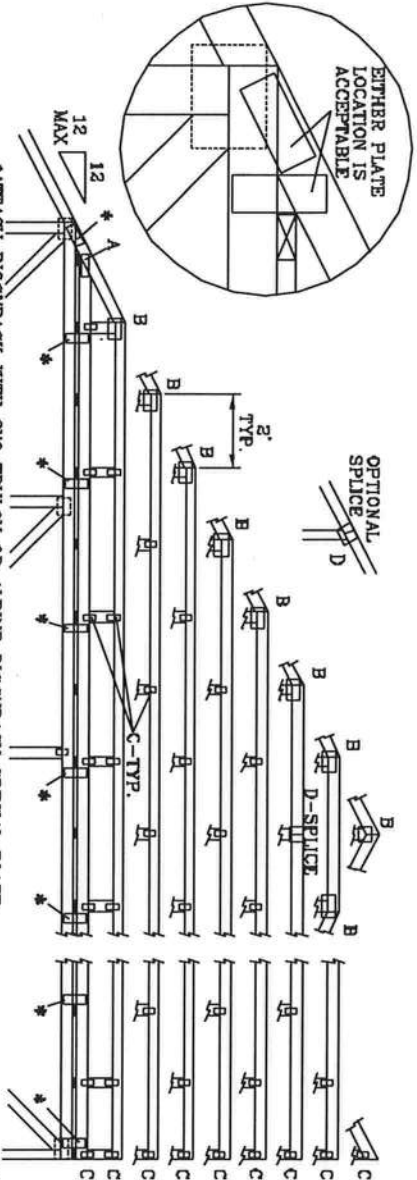
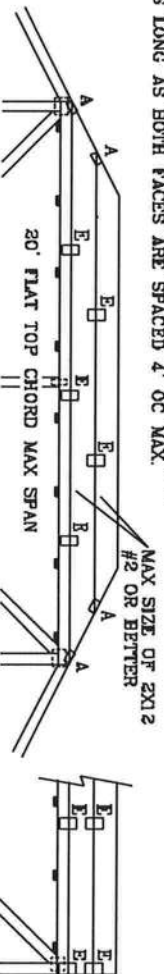
CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, PBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

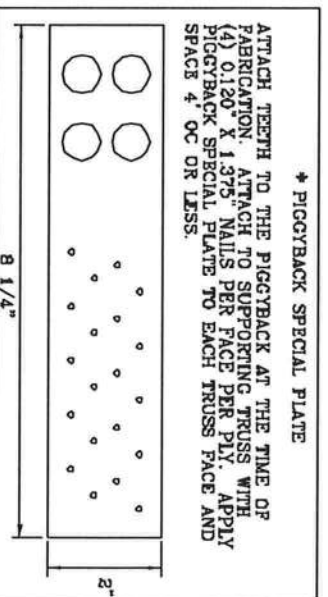
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF



JOINT TYPE	SPANS UP TO		
	30'	34'	38'
A	2X4	2.5X4	2.5X4
B	4X8	5X8	5X8
C	1.5X3	1.5X4	1.5X4
D	5X4	5X5	5X5
E	4X6 OR 3X8 TRUSS AT 4' OC, ROTATED VERTICALLY		

ATTACH TRUSS PLATES WITH (6) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRUSS INFORMATION.

WEB LENGTH	WEB BRACING CHART
0' TO 7'9"	NO BRACING
7'9" TO 10'	1X4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 6d NAILS AT 4' OC.
10' TO 14'	2X4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4' OC.



REVIEWER: TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SECT 1-23 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 3601 BOWEN RD, SUITE 200, WOODBRIDGE, VA 22191 FOR SAFETY PRECAUTIONS. PRIOR TO PERFORMING THESE FUNCTIONS, CHECK THE TRUSS DESIGN FOR ANY SPECIAL REQUIREMENTS. STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
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1408 SW 4TH AVENUE
DEERBAY BEACH, FL 33444-2161

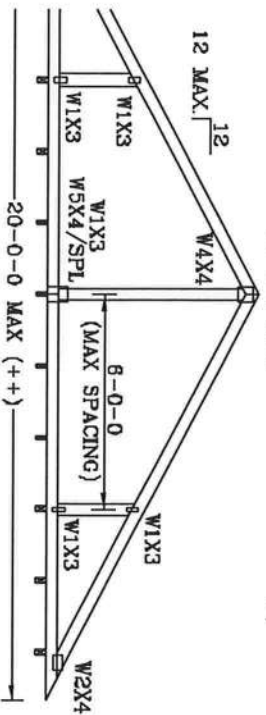
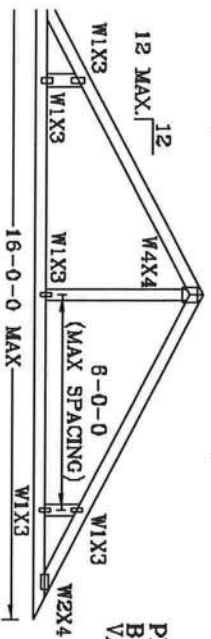
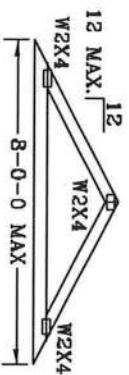
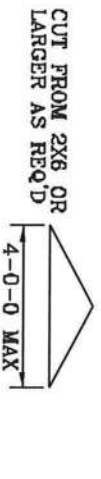
No. 34866
STATE OF FLORIDA

MAX LOADING	55 PSF AT	REF	PIGGYBACK
	1.33 DUR. FAC.	DATE	09/12/07
SPACING	50 PSF AT	DRWG/ITER	STD PIGGY
	1.25 DUR. FAC.	-ENG	JL
SPACING	47 PSF AT		
	1.15 DUR. FAC.		
24.0"			

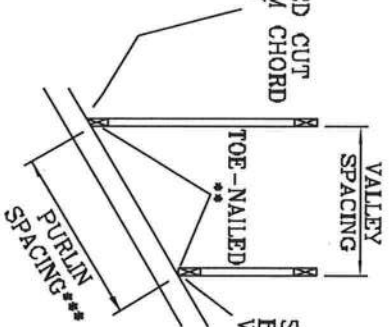
VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

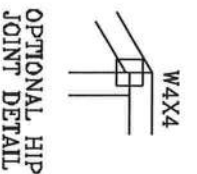
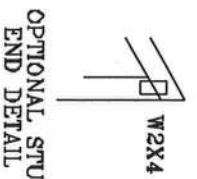
- 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- ** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR
ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED
BUILDING. EXP. C. RESIDENTIAL. WIND TC DL=5 PSF.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

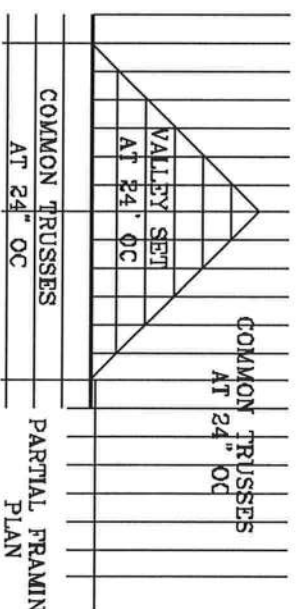


PITCHED CUT
BOTTOM CHORD
VALLEY



- *** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS
BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES
NOT EXCEED 12'0".
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80%
LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED
WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING,
EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS
INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON
ENGINEERS' SEALED DESIGN.



COMMON TRUSSES
AT 24" OC

THIS DRAWING REPLACES DRAWING A105

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
ERECTING. REFER TO BEST 1-800 BUILDING DEPARTMENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS
MANUFACTURERS ASSOCIATION, 1455 SW 4TH AVENUE, SUITE 200, MIAMI, FL 33135, FOR THE LATEST
RECOMMENDATIONS. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, SHALL HAVE A PROPERLY ATTACHED
STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4TH AVENUE
SUITE 200
MIAMI BEACH, FL 33444-6161

No. 34868
STATE OF FLORIDA

TC	DL	20	20	PSF	REF	VALLEY DETAIL
BC	DL	7	15	PSF	DATE	11/26/03
BC	DL	5	5	PSF	DRWG	VALTRUSS1103
BC	DL	0	0	PSF	ENG	JL
TOT.	LD.	32	40	PSF		
DUR.	FAC.	1.25	1.25			
SPACING		24"				

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING, EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD.

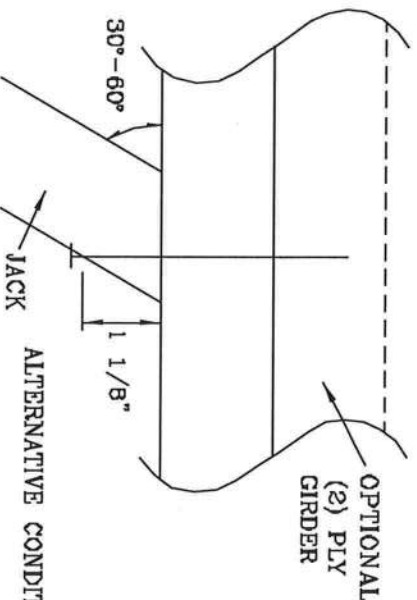
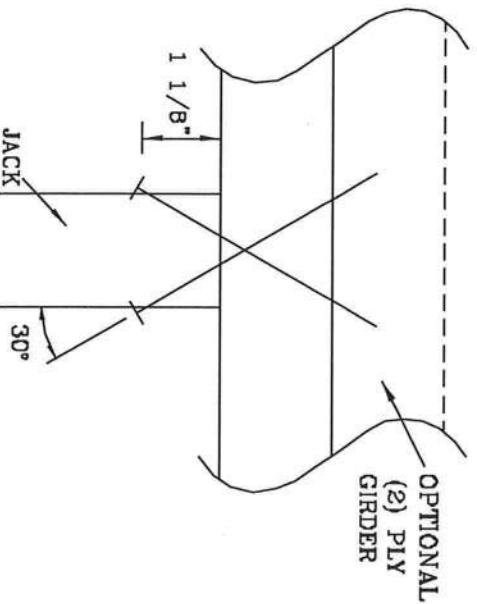
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	187#	256#	181#	234#	156#	203#	154#	189#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-93 CARLISLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 388 WINDGROVE RD., SUITE 200, NATION, VA 20719 AND VITA (WOOD) TRUSS EDUCATION OF AMERICA, 6500 ENTERPRISE LN, NATION, VA 20719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1405 SW 4TH AVENUE
DELMAR BEACH, FL 33444-2161

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	09/12/07
BC DL	PSF	DRWG	CNTONAIL1103
BC LL	PSF	ENG	JL
TOT. LD.	PSF		

No. 34688
STATE OF FLORIDA

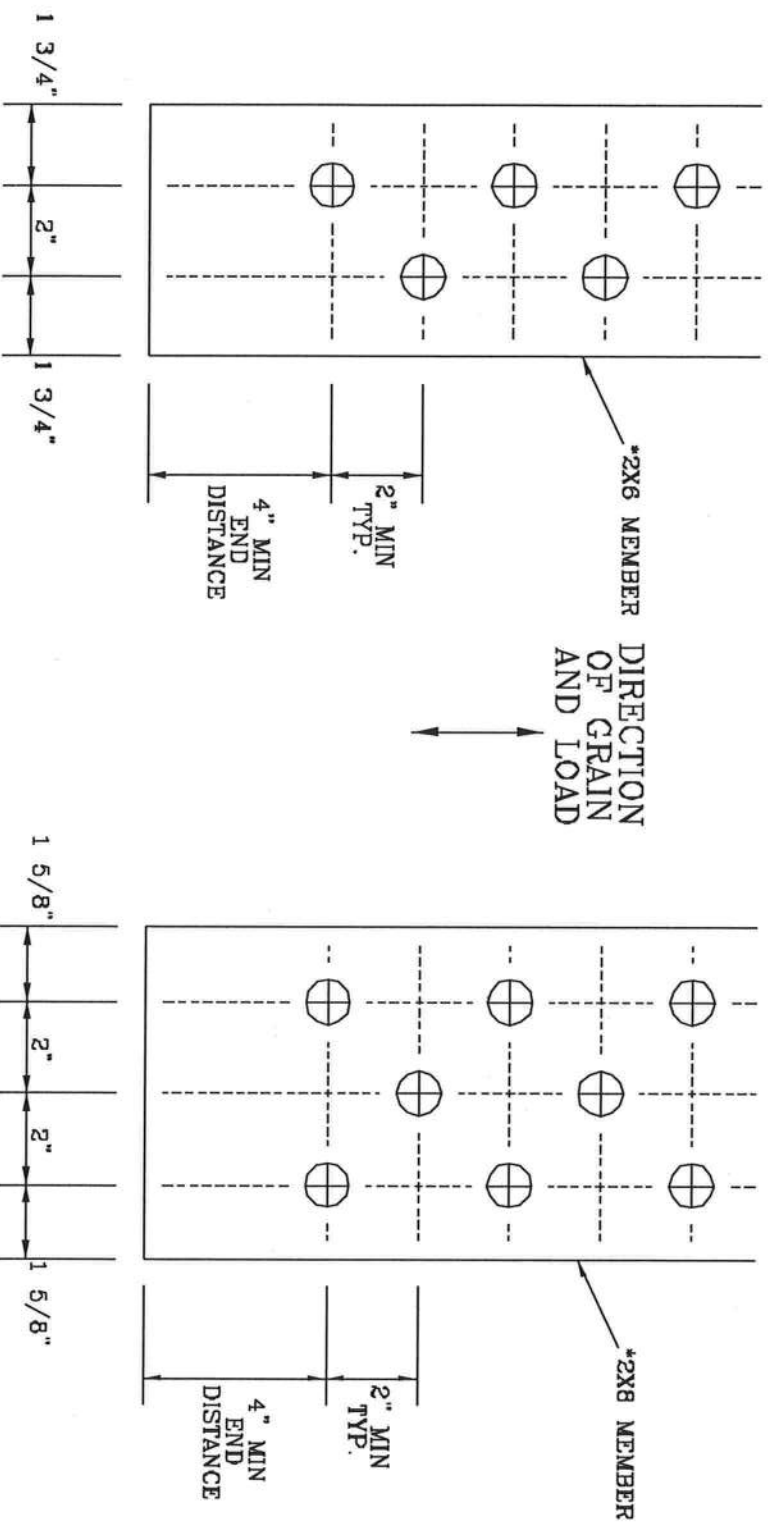
DUR. FAC. 1.00
SPACING

1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

- * GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.
- BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

VARIOUS TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO POST-1-00 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION, 300 COWLEY RD., SUITE 200, MADISON, VA 22779 AND VITA CYCLO TRUSS COUNCIL, 1000 W. 10TH AVE., SUITE 100, DENVER, CO 80202 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALL MEMBERS AND JOINTS SHALL BE PROPERLY ATTACHED TO THE STRUCTURAL PANELS AND JOINTS SHOULD HAVE A PROPERLY ATTACHED RIGID DETAIL.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1400 4TH AVENUE
DELRAY BEACH, FL 33444-2161

No: 34689
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSPI103
BC LL	PSF	ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

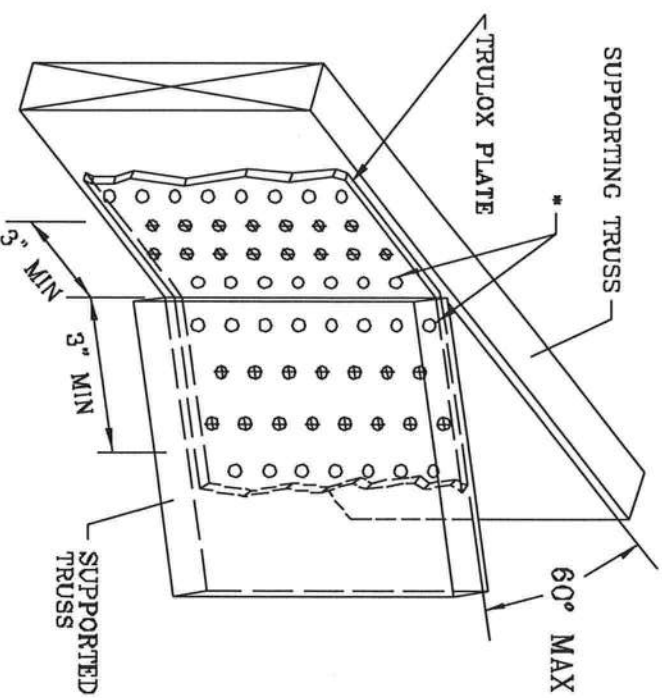
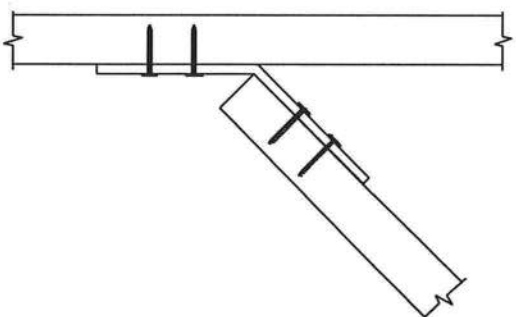
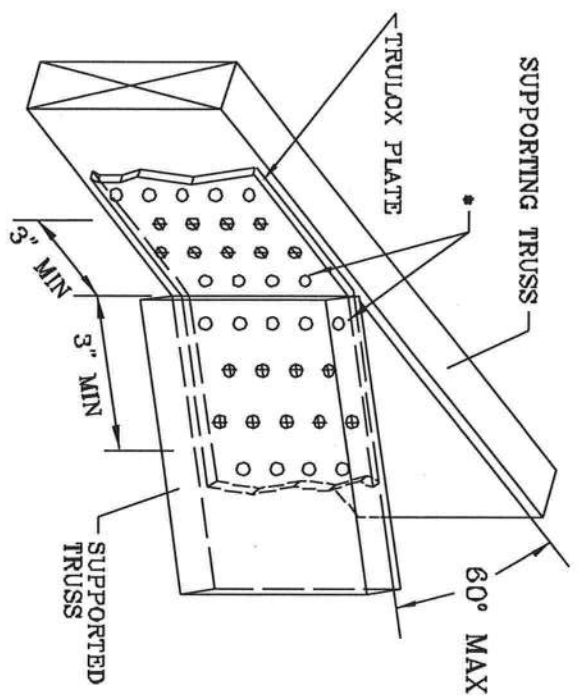
TRULOX CONNECTION DETAIL

11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FIL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.
REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#

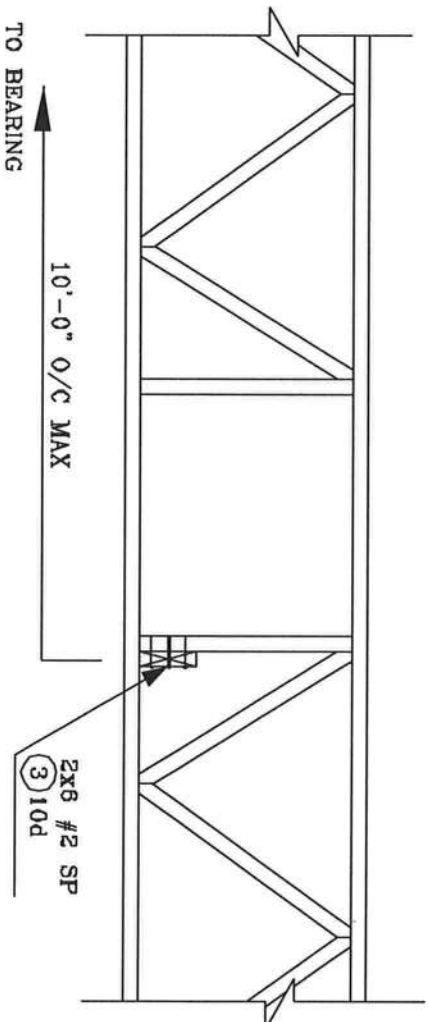
THIS DRAWING REPLACES DRAWINGS 1.158.989 1.158.989/R 1.154.844 1.152.217 1.152.017 1.159.154 & 1.151.524

MAINTENANCE: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR PROPER BRACING. TRUSSES OF AMERICA, 6300 ENTERPRISE LN. MADISON, VI 32719 FOR SAFETY PRACTICES PRIOR TO PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

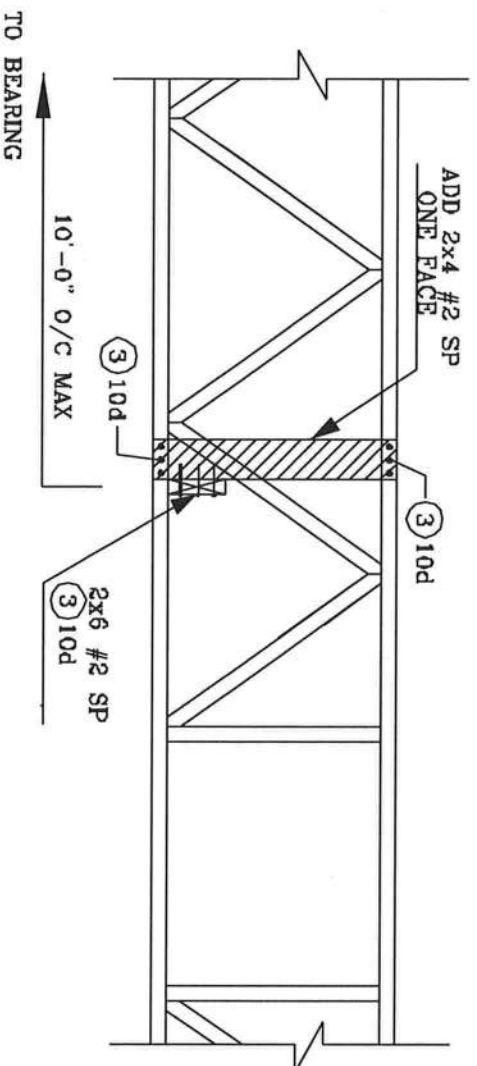
JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2181

REF TRULOX
DATE 11/26/03
DRWG CNTRULOX1103
-ENG JL

**STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS**



**ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP**



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2061

No: 34869
STATE OF FLORIDA

COLUMBIA COUNTY OFFICE OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 26-6S-15-00641-003

Building permit No. 000026668

Use Classification SFD/UTILITY

Fire: 77.00

Permit Holder HUGO ESCALANTE

Waste: 201.00

Owner of Building JACKIE MOORE

Total: 278.00

Location: 1374 SW SANTA FE DRIVE, FT. WHITE, FL

Date: 10/29/2008



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Building Inspector

Wayne H. Carr



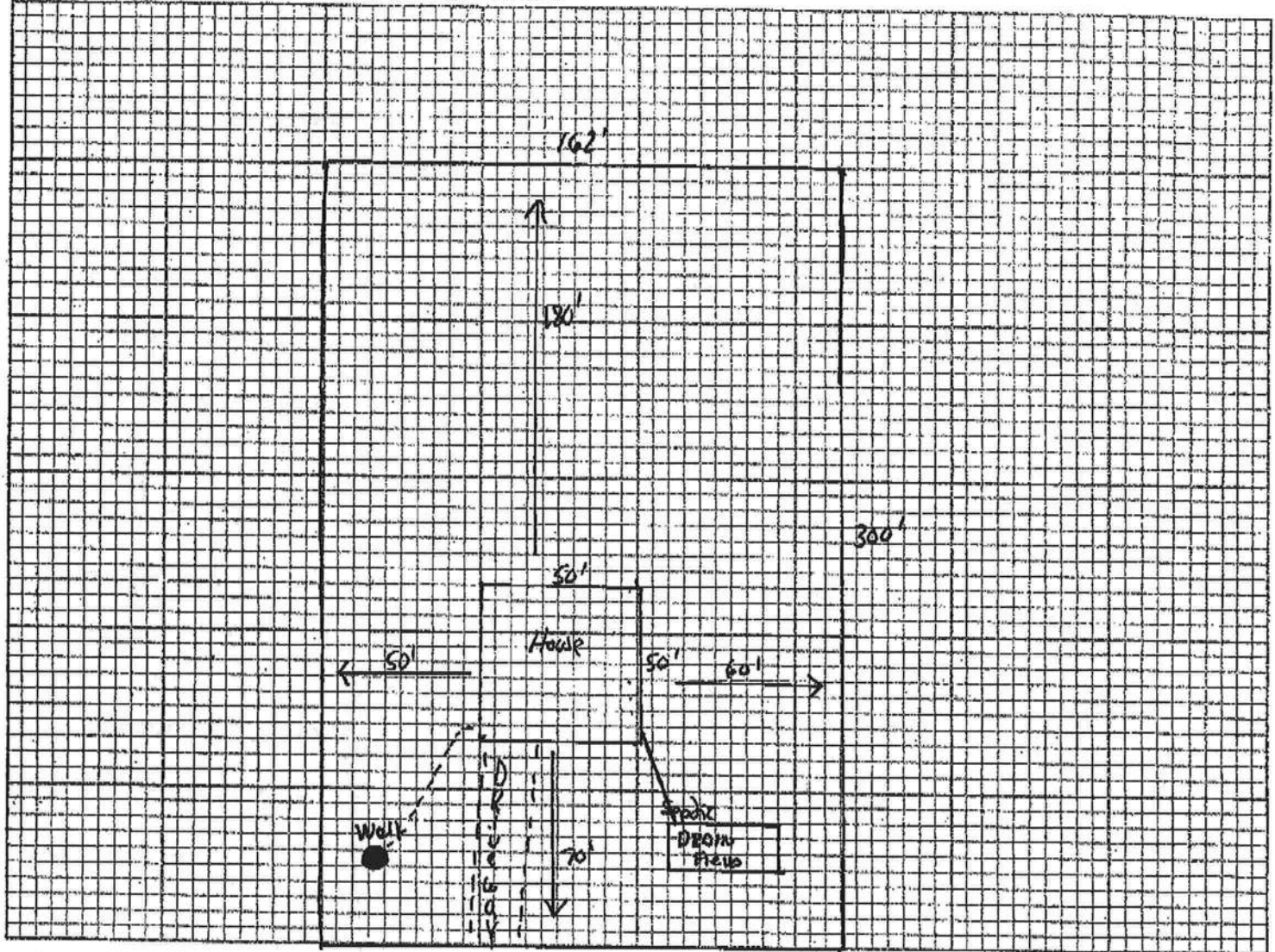
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Site Plan submitted by: _____

Plan Approved _____

By _____

Signature _____

Not Approved _____

Title _____

Date 1/22/08

1/25/08

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT