

Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T25	SPECIAL	1	1	J1927002
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:23 2008 Page 1

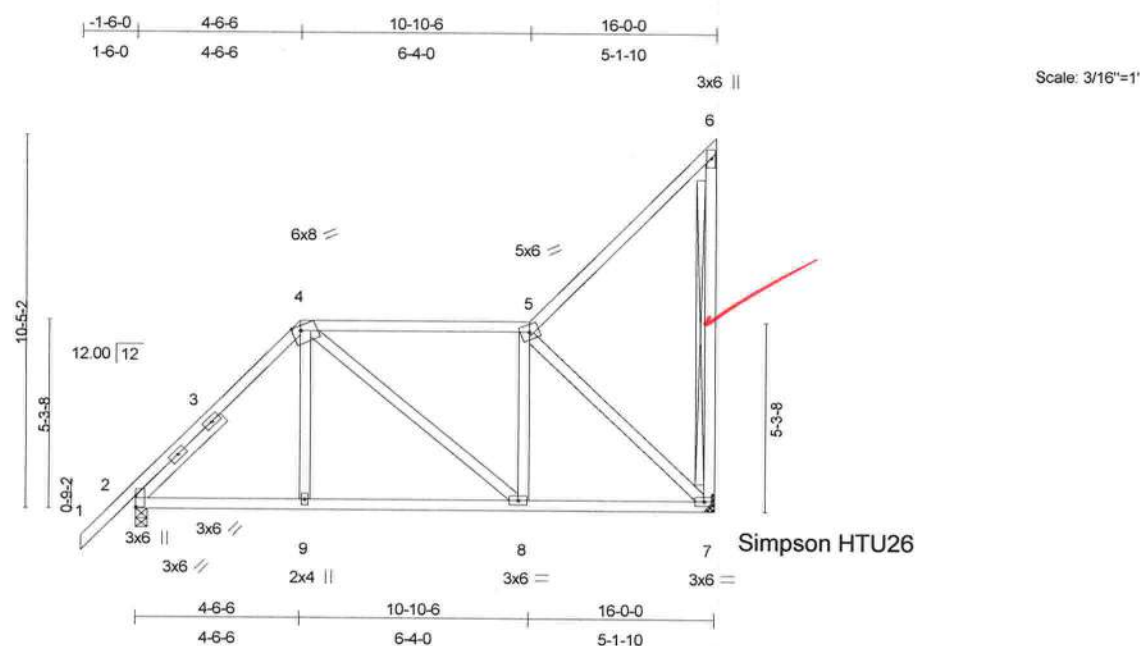


Plate Offsets (X,Y): [2:0-3-11,0-0-2], [4:0-2-11,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.23	Vert(LL)	-0.02	8-9	>999	360	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	-0.05	8-9	>999	240	244/190
BCLL 10.0	* Rep Stress Incr	YES	WB 0.46	Horz(TL)	0.01	7	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 112 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 3-4-0

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.
 WEBS T-Brace: 2 X 4 SYP No.3 - 6-7
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 7=504/Mechanical, 2=592/0-4-0
 Max Horz 2=374(load case 6)
 Max Uplift 7=-235(load case 6), 2=-109(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-597/84, 3-4=-436/98, 4-5=-386/45, 5-6=-140/67, 6-7=-102/166
 BOT CHORD 2-9=-379/350, 8-9=-378/352, 7-8=-230/385
 WEBS 4-9=0/164, 4-8=-11/187, 5-8=-71/168, 5-7=-535/312

JOINT STRESS INDEX

2 = 0.60, 2 = 0.11, 2 = 0.11, 3 = 0.00, 4 = 0.40, 5 = 0.76, 6 = 0.23, 7 = 0.21, 8 = 0.11 and 9 = 0.12

Julius Lee
 Truss Design Engineer
 Florida PE No. 34868
 1100 Coastal Hwy Blvd
 Boynton Beach, FL 33435

Continued on page 2

January 28, 2008

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	JAMES & ERICA COOK / ROOF
L265361	T25	SPECIAL	1	1	J1927002
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:23 2008 Page 2

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 7 and 109 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida P.E. No. 34868
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T26	SPECIAL	1	1	J1927003
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:24 2008 Page 1

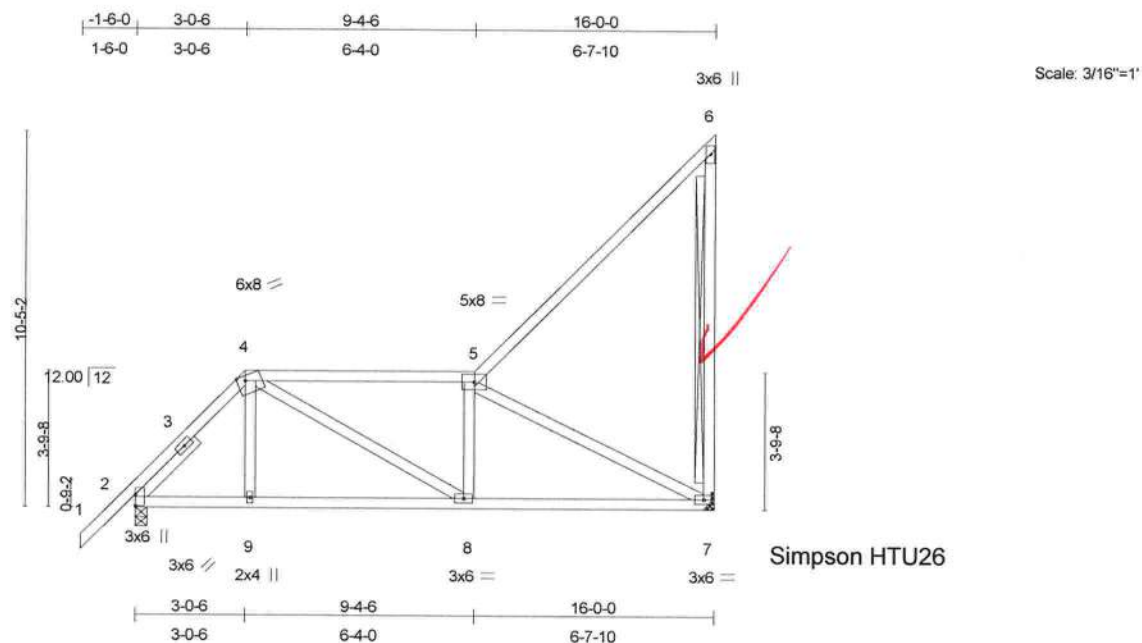


Plate Offsets (X,Y): [2:0-3-11,0-0-2], [4:0-2-11,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.44	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.23	Vert(TL)	-0.08	7-8	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.67	Horz(TL)	0.01	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 105 lb										

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 2-4-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-6 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=504/Mechanical, 2=592/0-4-0
Max Horz 2=374(load case 6)
Max Uplift 7=-235(load case 6), 2=-109(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-600/88, 3-4=-504/104, 4-5=-622/48, 5-6=-180/90, 6-7=-141/218
BOT CHORD 2-9=-413/376, 8-9=-411/377, 7-8=-331/625
WEBS 4-9=0/136, 4-8=0/281, 5-8=-74/118, 5-7=-694/356

JOINT STRESS INDEX

2 = 0.77, 2 = 0.23, 3 = 0.00, 4 = 0.31, 5 = 0.72, 6 = 0.46, 7 = 0.34, 8 = 0.16 and 9 = 0.10

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Boynton Beach, FL 33435

Continued on page 2

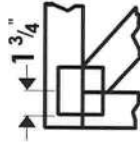
January 28, 2008

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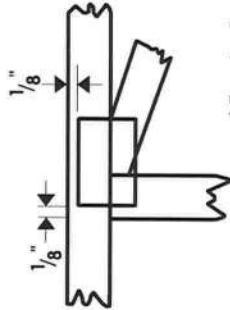


Symbols

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

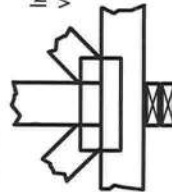
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



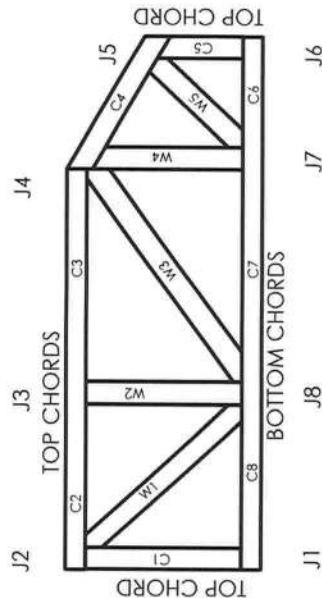
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System

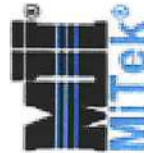


JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTEST TO THE LEFT.

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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Job	Truss	T26	SPECIAL	Qty	1	Ply	1	J1927003
JAMES & ERICA COOK / ROOF								
Job Reference (optional)								

6.300 s Feb 15 2006 Mittek Industries, Inc. Tue Jan 15 14:30:24 2008 Page 2

NOTES

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- 2) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 7 and 109 lb uplift at joint 2.

LOAD CASE(S) Standard

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January 28, 2008

Truss Design Engineer
Florida P.E. No. 24889
1109 Cassat Bay Blvd
Boynton Beach, FL 33435

MAX GABLE VERTICAL LENGTH															
GABLE VERTICAL SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE •		(1) 2X4 "L" BRACE •		(2) 2X4 "L" BRACE ••		(1) 2X6 "L" BRACE •		(2) 2X8 "L" BRACE ••				
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B			
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"		
			#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"	
		STUD	3' 3"	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"	
			STANDARD	3' 3"	4' 2"	4' 2"	6' 6"	6' 6"	7' 5"	7' 5"	8' 3"	8' 3"	11' 6"	11' 6"	
		#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"	
			#2	3' 7"	6' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"	
	SP	STUD	#3	3' 6"	5' 0"	6' 0"	6' 6"	6' 6"	8' 3"	8' 6"	10' 4"	10' 4"	12' 11"	13' 7"	
			#1	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 6"	10' 3"	10' 3"	12' 11"	13' 7"	
	DFL	STUD	#3	3' 4"	4' 3"	4' 8"	5' 8"	5' 0"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"	
			#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 6"	12' 6"	12' 6"	14' 0"	14' 0"	
		#1	#3	3' 8"	8' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	
			STANDARD	3' 8"	8' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	
SPF HF		STUD	#3	3' 9"	8' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	
			#1	3' 9"	8' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	
16" O.C.	SPF HF	#1	4' 3"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"		
			#2	4' 2"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	
		STUD	#3	4' 0"	6' 8"	6' 8"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"	
			#1	4' 0"	6' 8"	6' 8"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"	
		STANDARD	#3	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	
			#1 / #2	4' 3"	7' 4"	7' 4"	8' 9"	8' 11"	10' 6"	10' 6"	13' 8"	13' 8"	14' 0"	14' 0"	
	DFL	STUD	#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"	
			#1	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"	
		STANDARD	#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"	
			#1	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"	
		SPF HF	STUD	#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
				#1	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
12" O.C.	SPF DFL	STUD	#3	4' 4"	7' 2"	7' 2"	8' 9"	8' 2"	10' 5"	10' 11"	13' 6"	14' 0"			

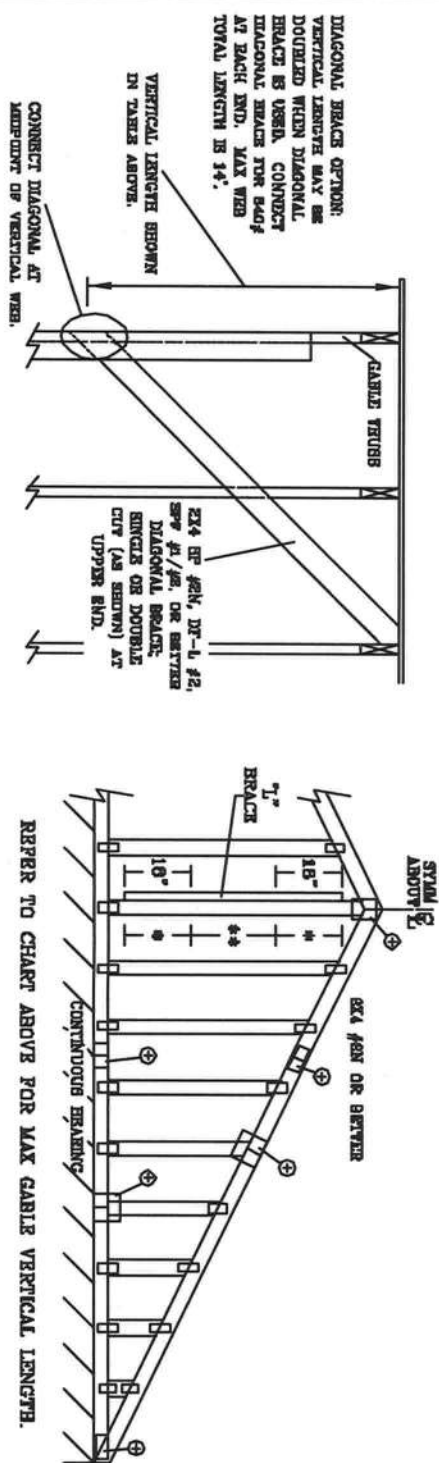
BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPOTTER-POND-TR #1 / #2 STANDARD #3 STUD	HML-TR #1 STUD #2 STANDARD
DOUGLAS FIR-LARCH #3 STUD #4 STANDARD	SOUTHERN PINE #3 STUD #4 STANDARD
GROUP B:	
KID-TR #1 & BTR #1	DOUGLAS FIR-LARCH #1 #2
SOUTHERN PINE #1 #2	

LIVE LOAD DEFLECTION CRITERIA IS $l/360$.
 PROVIDE UPLIFT CONNECTIONS FOR 135 PLF OVER
 CONTINUOUS BEARING (6 PSF WC DEAD LOAD).
 CABLE END SUPPORTS LOAD FROM 4" $\times$ 0"
 OUTLOOKERS WITH 2" $\times$ 0" OVERHANG, OR 12"
 PLYWOOD OVERHANG.

1. BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBERS LENGTH.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO BRICK
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2, 3X4

+ REFER TO COMMON THROB DESIGN FOR
PNAK, SPLICE, AND BREL PLATES.



ANALYSIS—THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND DEMANDING. REFERS TO BEST-104 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE THUSSEN PLATE INSTITUTE, 599 DUNDREED DR., SUITE 200, MALDEN, MA 02148 AND VITA (VIBRO TUNING CONTROL OF AMERICA, 6800 ENTERPRISE DR., SUITE 100, FORT WORTH, TX 76116). THESE TUNING UNITS, UNLESS OTHERWISE INDICATED, TOP COAT SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND JOINTS AND SHALL HAVE A PROPERLY ATTACHED ROOF CEILING.

**JULIUS LEE'S
CONS. ENGINEERS P.A.**

1900 00 3RD AVENUE
DELRAY BEACH, FL 33441-2161

No. 34869
STATE OF FLORIDA

MAX. SPACING 24.0"

REF	ASCE7-02-CAB13015
DATE	11/26/03
DRWG	MTXK STD CABLE 15 L H
-ENG	

MAX GABLE VERTICAL LENGTH													
GABLE VERTICAL SPECIES	BRACE GRADE	NO. BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X8 "L" BRACE *		
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	
24" O.C.	SPF	#1 / #2	3' 8"	6' 6"	6' 6"	6' 9"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 6"	4' 6"	5' 10"	6' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	6' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
		#1	3' 6"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
	SP	#2	3' 6"	5' 6"	5' 11"	6' 5"	6' 5"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 6"	6' 0"	6' 0"	6' 1"	8' 4"	9' 4"	9' 4"	12' 3"	13' 2"
		STUD	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
		#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 6"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		#3	3' 7"	5' 6"	5' 6"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STUD	3' 7"	4' 6"	4' 6"	6' 8"	6' 8"	8' 3"	8' 3"	9' 7"	9' 7"	13' 11"	13' 11"
		STANDARD	4' 0"	4' 6"	4' 6"	6' 8"	6' 8"	8' 3"	8' 3"	9' 7"	9' 7"	13' 11"	13' 11"
		#1	4' 0"	5' 4"	5' 4"	7' 8"	7' 8"	8' 11"	8' 7"	11' 9"	11' 9"	14' 0"	14' 0"
	SP	#2	3' 11"	6' 4"	6' 10"	7' 8"	7' 8"	8' 11"	8' 7"	11' 9"	11' 9"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 6"	11' 6"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 8"	9' 8"	13' 3"	13' 3"
		#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 3"	9' 10"	10' 1"	12' 11"	12' 11"	14' 0"	14' 0"
DFL	#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"	
	STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"	
	STANDARD	3' 11"	6' 4"	6' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"	
	#1	4' 5"	8' 11"	7' 6"	8' 3"	8' 11"	8' 11"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"	
	#2	4' 4"	8' 11"	7' 6"	8' 3"	8' 11"	8' 11"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"	
12" O.C.	DFL	#3	4' 2"	8' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STUD	4' 2"	8' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 9"	8' 9"	11' 4"	11' 4"	14' 0"	14' 0"
		#1	4' 0"	5' 6"	5' 6"	7'							

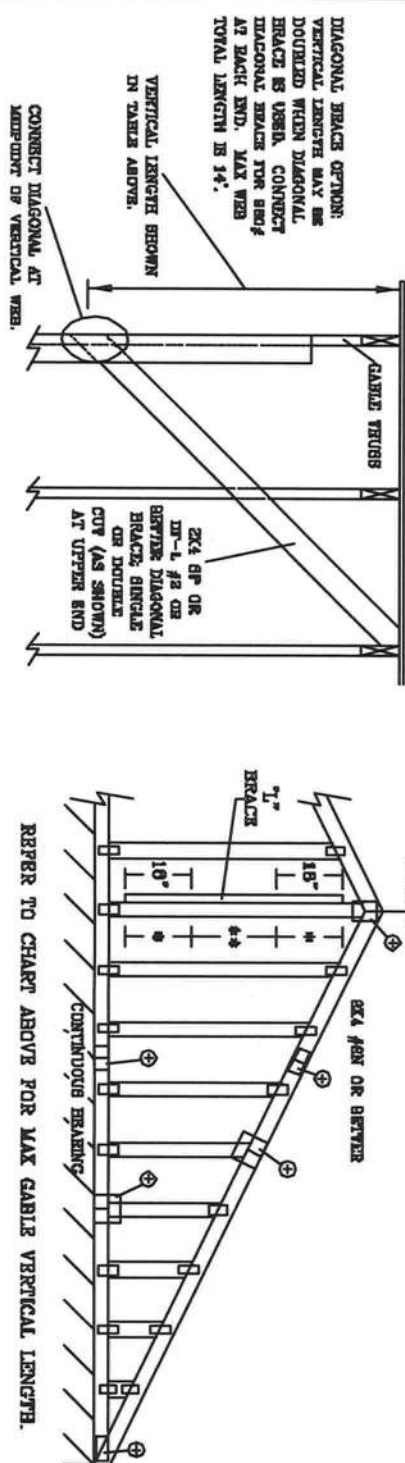
BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPRUE-PND-YR		HDB-PTR	
#1 / #2	STAND	#1 & BTR	
#3	STUD	#1	
DOUGLAS FIR-LARCH		SOUTHERN PINE	
#3		#3	
STUD		STUD	
STANDARD		STANDARD	
SOUTHERN PINE		DOUGLAS FIR-LARCH	
#1		#1	
#2		#2	

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.
 PROVIDE UPLIFT CONNECTIONS PER 180 PLF OVER
 CONTINUOUS BEARING (6 PSF VC DEAD LOAD).
 GABLE END BUTTJOINTS LOAD FROM $4' \times 0"$
 OUTLOOKERS WITH $\pm 0"$ OVERLAP. OR 12"
 PLYWOOD OVERLAP.

7. BALANCED MUST BE A MINIMUM OF 60% OF WEIGHT MEMBER WEIGHT.
 8. FOR (1) 7. BEACH: GRAVE MUST BE 8" O.C. ON 18" END ZONES AND 4" O.C. BETWEEN ZONES
 9. FOR (2) 7. BEACHES: GRAVE MUST BE 3" O.C. ON 18" END ZONES AND 6" O.C. BETWEEN ZONES

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO BRICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2X6X4

+ REFER TO COMMON THROUS DESIGN FOR
PEAK, SPLICE, AND BEEL PLATES.



ANALYSTS REQUESTS EXTENSIVE CARE, FABRICATING, HANDLING, SHIPPING, INSTALLING AND REPAIRING. REFER TO BEST 1-03 CHAIRSIDE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STRESS PLATE INSTITUTE, 588 DUNSTON LN, SUITE 200, HANSON, WI 53719 AND VITA CADDO TRUSS CATALOG OF AMERICA, 6600 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHAIRS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHAIR SHALL HAVE A PROPERLY ATTACHED ROOD CEILING.

**JULIUS LEE'S
CONS. ENGINEERS P.A.**

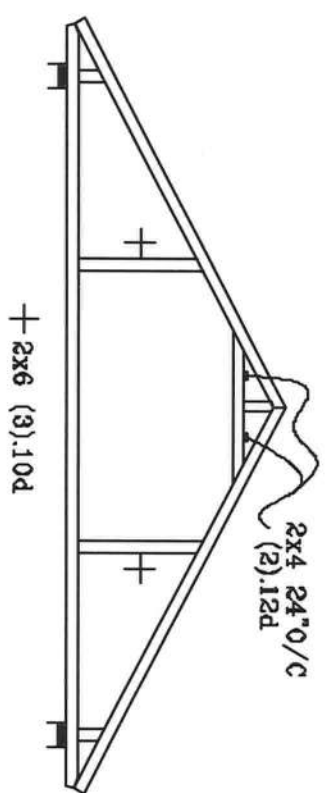
1700 ON THE AVENUE
DUNBAR BLDG., FL. 33444-8101

No: 34869
STATE OF FLORIDA

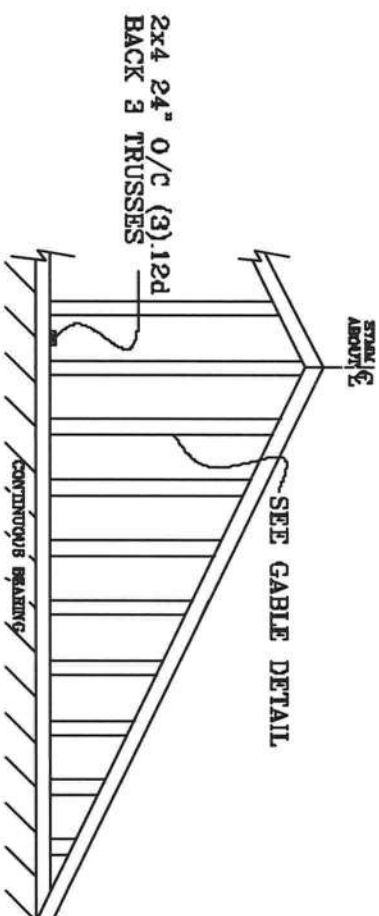
MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

REF	ASCE7-02-CAB1303
DATE	11/26/03
DWG	MARK STD GABLE 30' E W
-ENG	

TYPICAL ATTIC TRUSS BRACING

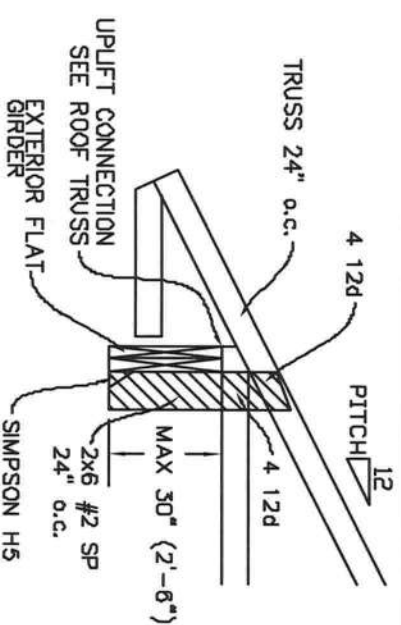


GABLE END TRUSS DETAIL

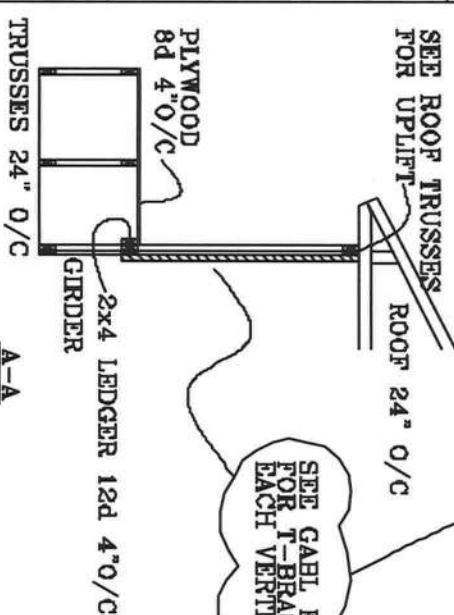
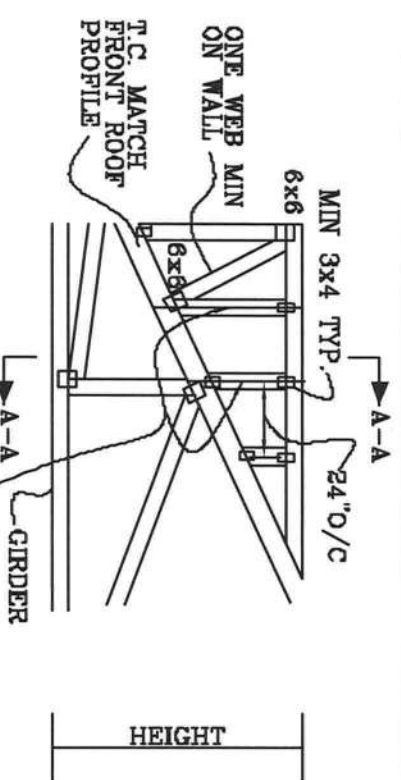


MINIMUM BC BRACING ON GABLE TRUSSES. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR BOB

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



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DEERAT BEACH, FL 33444-2661

No. 34669
STATE OF FLORIDA

TOP CHORD 2X4 #8 OR BETTER
BOT CHORD 2X4 #8 OR BETTER
WEBS 2X4 #8 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 JOBBED OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

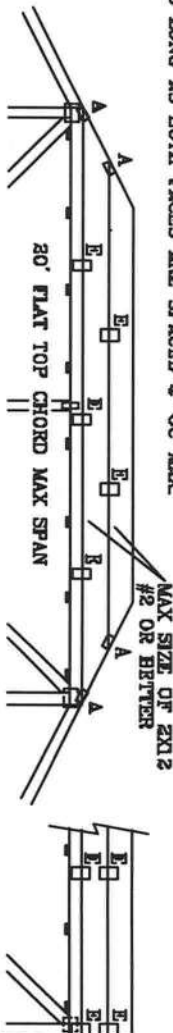
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

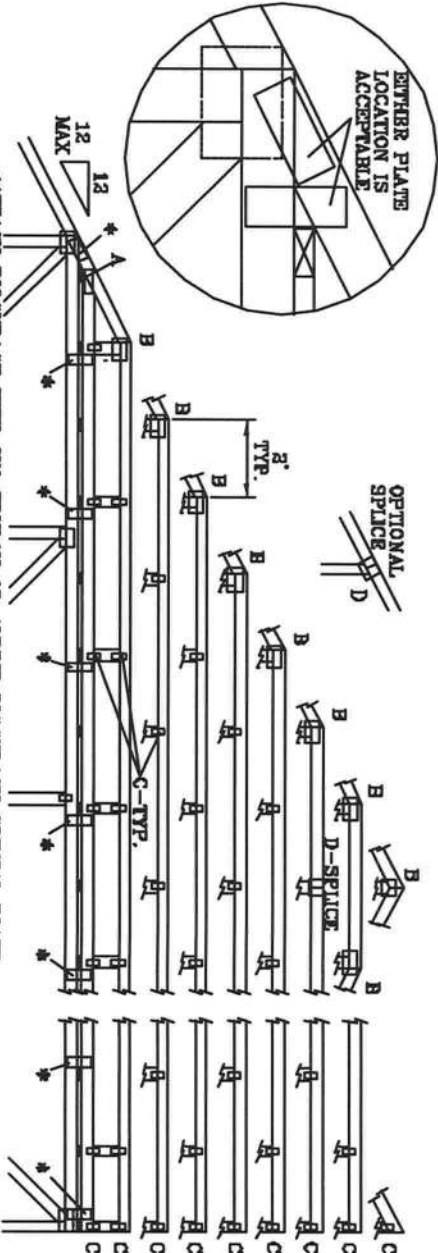
110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT I, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

110 MPH WIND, 30' MEAN HGT, ENG ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=6 PSF, WIND BC DL=6 PSF

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



*ATTACH PIGGYBACK WITH 3X6 TRUSS OR ALPINE PIGGYBACK SPECIAL PLATE.



THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 647.045

NOTATION: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NEXT PAGE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION OF AMERICA, 4000 ENTERPRISE LN, HANSON, UT 84003 FOR SAFETY PRACTICES PRIOR TO RESUMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DEALY BRIDGE, FL 33444-2161

No. 34868
STATE OF FLORIDA

MAX LOADING
65 PSF AT
1.33 DUR. FAC.
50 PSF AT
1.25 DUR. FAC.
47 PSF AT
1.15 DUR. FAC.
SPACING 24.0"

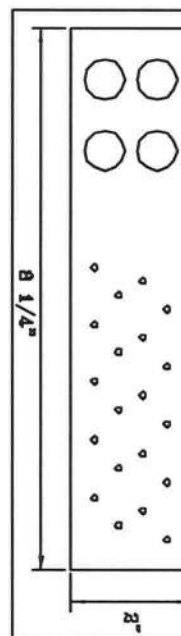
REF PIGGYBACK
DATE 09/12/07
DRW/MTEK STD PIGGY
-ENG JL

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.5X4	2.5X4	3X6
B	4X6	6X6	6X6	6X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	6X4	6X6	6X6	6X6
E	4X8 OR 3X6 TRUSS AT 4' OC, ROTATED VERTICALLY			

ATTACH TRUSS PLATES WITH (6) 0.180" X 1.875" 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	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1X4 "I" 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 "I" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4' OC.

* PIGGYBACK SPECIAL PLATE
ATTACH TEETH TO THE PIGGYBACK AT THE TRUE OR FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



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:

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.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "1"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.6") 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

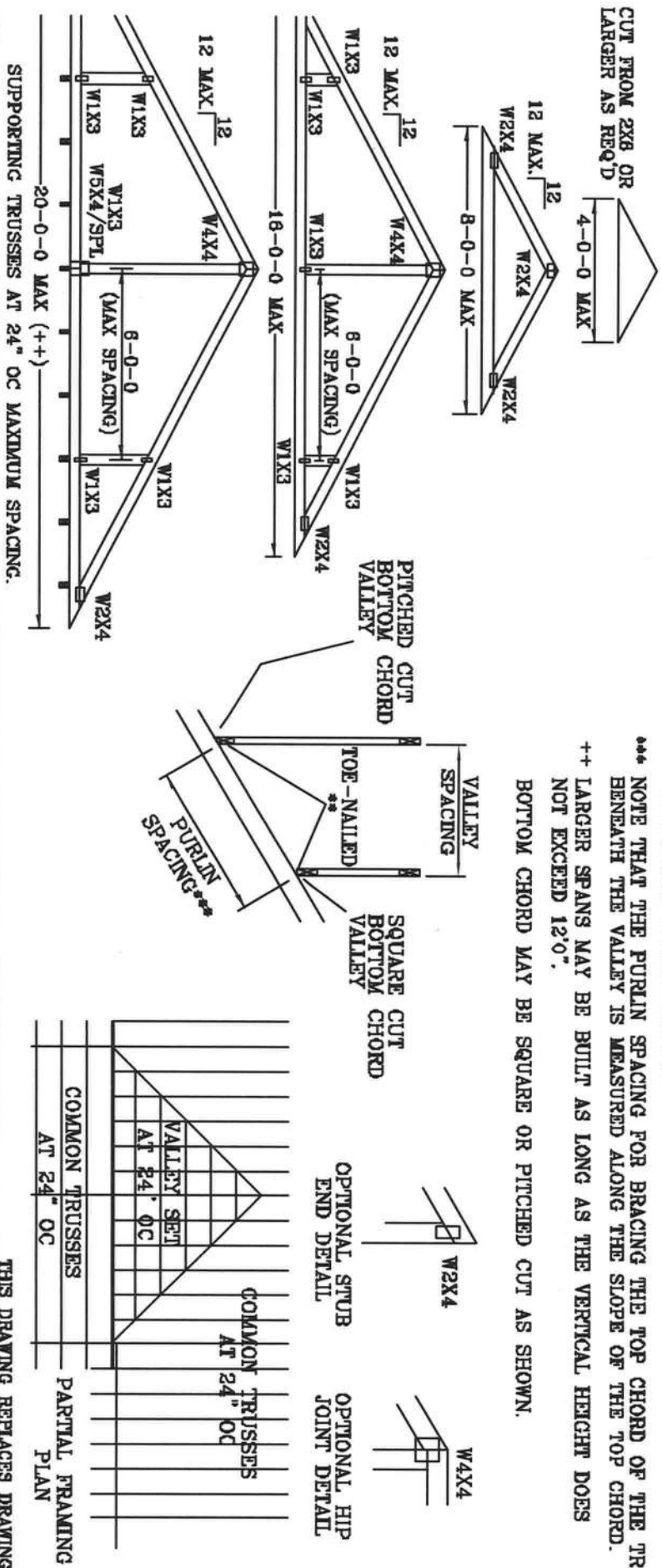
OR

BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

+++ 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.



THIS DRAWING REPLACES DRAWING A105

REVIEW/INFORMATION. THESE REQUIRE EXTREME CARE FABRICATING, HANDLING, SHIPPING, INSTALLING, AND REMOVING. REFER TO TEST 1-2 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE THUSS PLATE INSTITUTE, 5824 DORCHESTER DR., SUITE 404, MAISONNEUX, VA 53749, AND VIDA CEMENT TRUSS COMPANY OF AMERICA, 6400 DORCHESTER DR., SUITE 404, MAISONNEUX, VA 53749 FOR SAFETY PRACTICES PREFER TO PERFORMANCE THESE FUNCTIONS. THESE STRUCTURES DEDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIBBON CEMENT.

JULIUS LEE'S
CONS. ENGINEERS P.A.

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DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	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/AP&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILED AND SPIKED SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

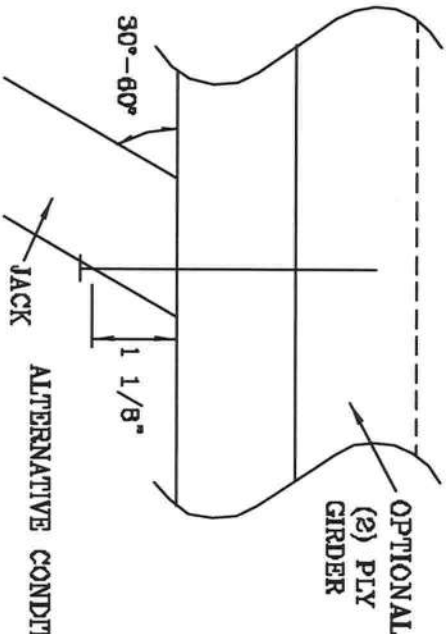
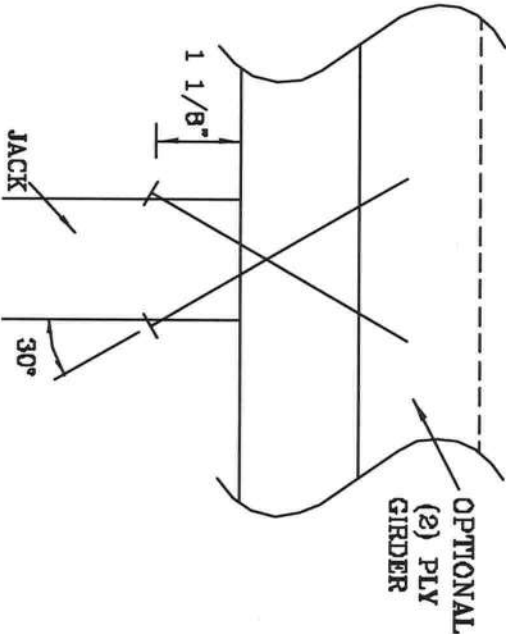
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILED TO BE USED.

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#	199#
3	286#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	466#	312#	406#	307#	397#
5	493#	639#	452#	565#	390#	507#	384#	496#

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



ALTERNATIVE CONDETION

THIS DRAWING REPLACES DRAWING 764040

NOTES: 1. JACKS REQUIRE EXTREME CARE IN ERECTING, HANDLING, SHIPPING, DESTALING AND BRACING. REFER TO BEST PRACTICES FOR JACKING. 2. JACKS SHOULD BE USED TO PERFORM 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.

1406 ST. 4TH AVENUE
DELAWARE BEACH, FL 33444-1161

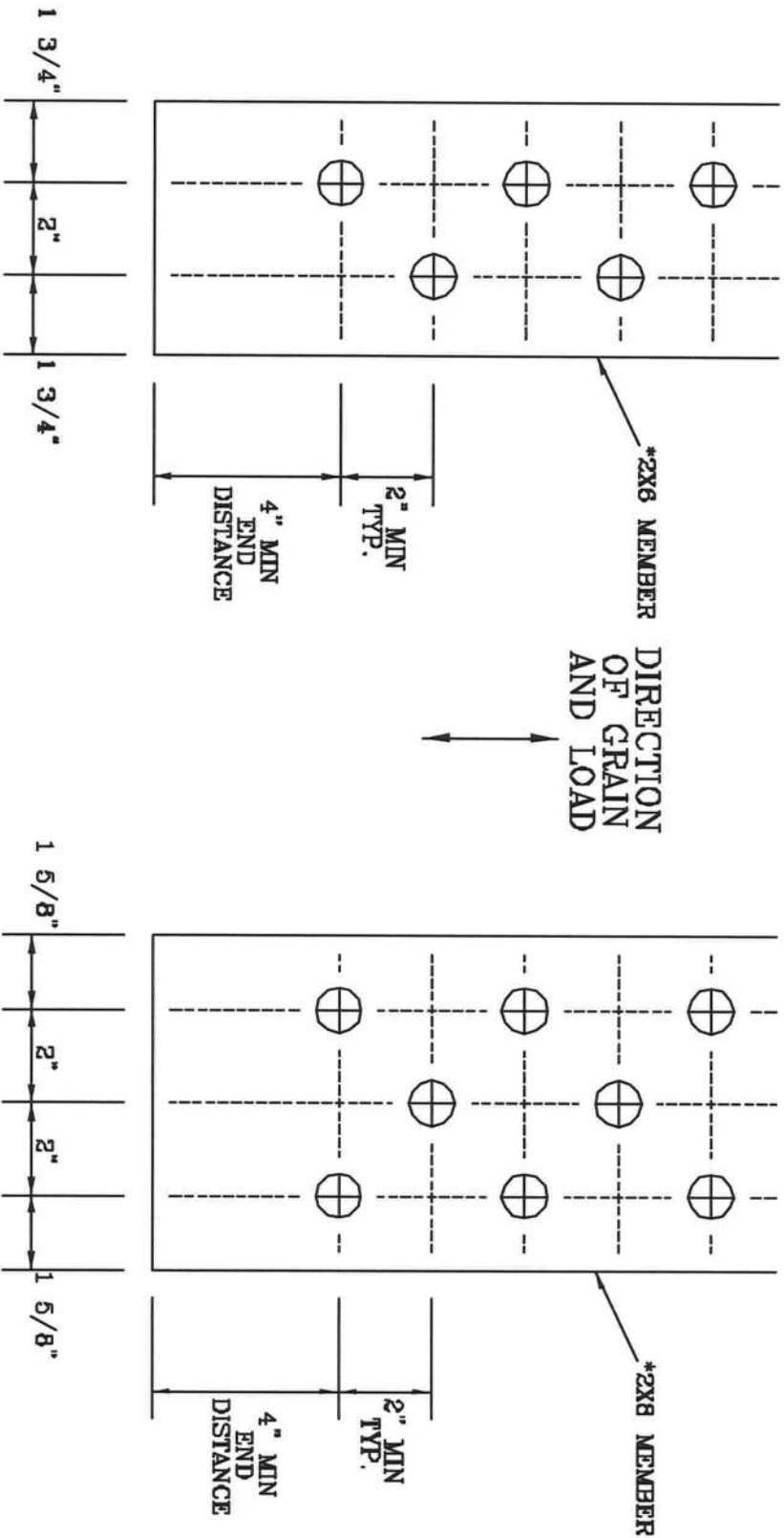
No. 34869
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	09/12/07
BC DL	PSF	DRWG	CNTONALL103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
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 A626.016

NOTES: THESE REQUIRE OFFICE USE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REPAIRING. REFER TO THE ALPINE DESIGN FOR SPECIFICATIONS. THE ALPINE DESIGN IS THE PROPERTY OF JULIUS LEE'S CONSULTING ENGINEERS P.A. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM JULIUS LEE'S CONSULTING ENGINEERS P.A. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, THE DESIGN SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DEALBY BEACH, FL 33444-2101

No: 34660
STATE OF FLORIDA

TC IL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOL/SP1103
BC IL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

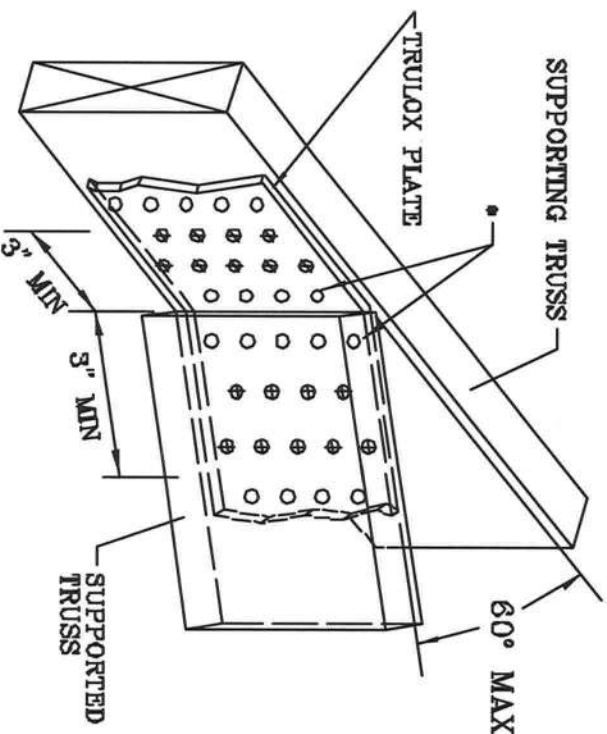
TRULOX CONNECTION DETAIL

11 GAUGE (0.120" X 1.376") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

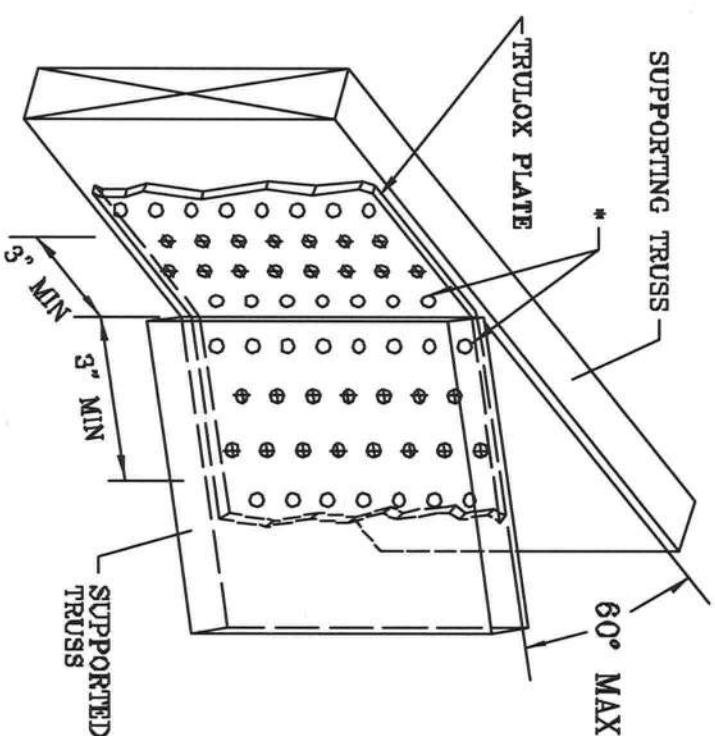
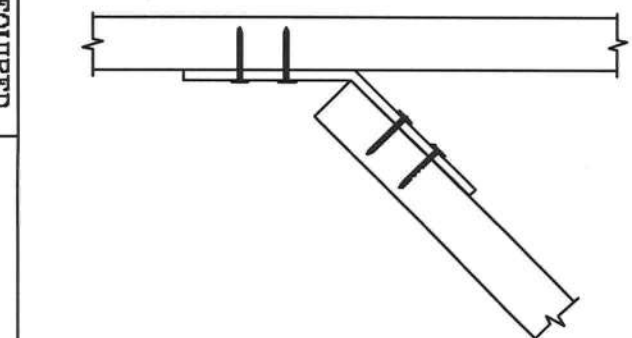
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

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



MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
6X6	15	990#



MINIMUM 6X6 TRULOX PLATE

THIS DRAWING REPLACES DRAWINGS 1.158.989 1.158.988/R 1.154.944 1.152.217 1.152.017 1.159.154 & 1.151.524

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SUPPORTING, INSTALLING AND BRACING. REFER TO RC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 383 ENTERPRISE DR., SUITE 500, WATSON, VA 25770 AND VITA CYCLO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WATSON, VA 25770 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.

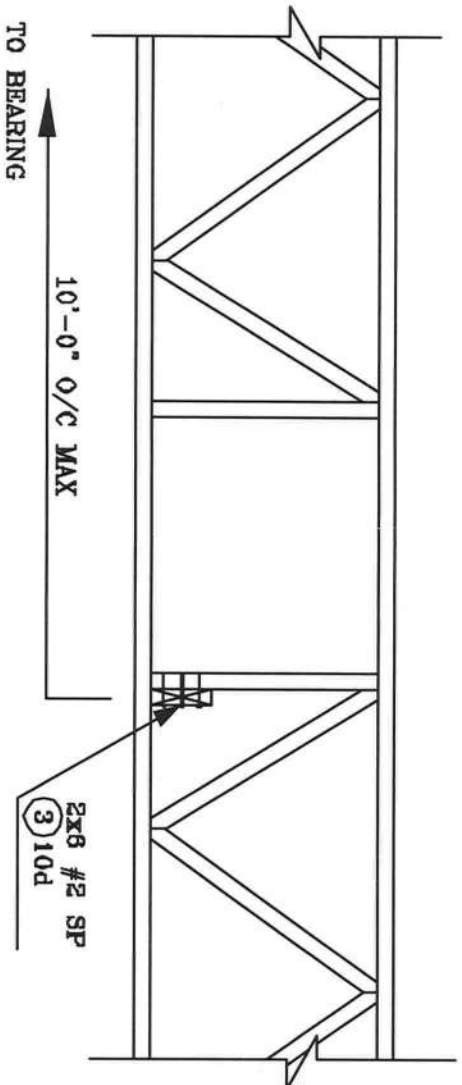
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DELMAR BEACH, FL 33444-2101

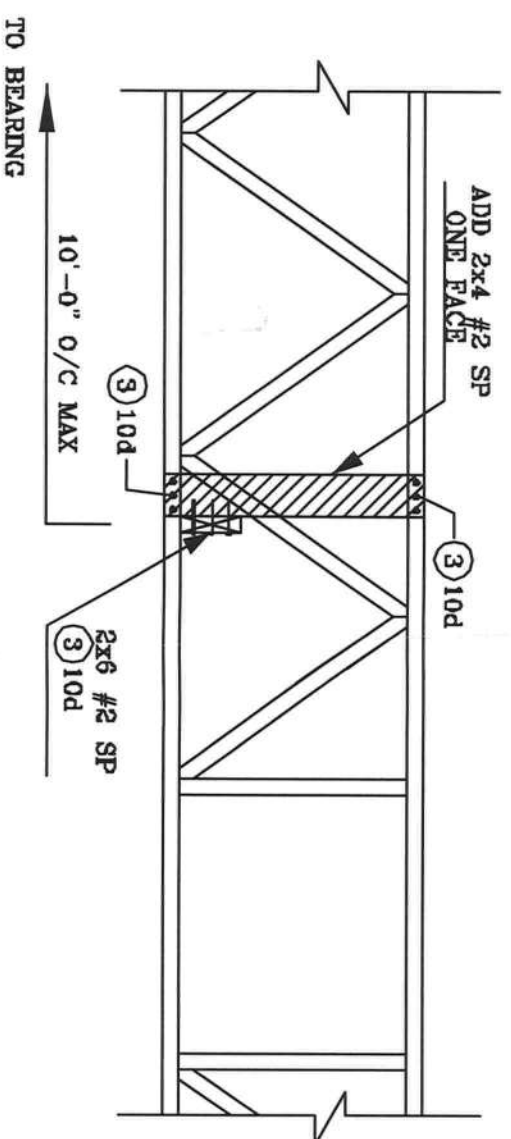
Reg. 044859
STATE OF FLORIDA

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**



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DELMAR BEACH, FL 33444-2691

No. 34468
STATE OF FLORIDA