

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ISUR7511Z0416163244

Truss Fabricator: Southern Truss
Job Identification: GCRIVER-
Truss Count: 13
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.22.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 MPH ASCE 7-02 -Closed

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
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR7511

Details: BRCLBSUB-A12015EE-GBLLETIN-



Seal Date: 02/16/2006

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	40728--A1		06047012	02/16/06
2	40729--A2		06047058	02/16/06
3	40730--A3		06047010	02/16/06
4	40731--A4		06047059	02/16/06
5	40732--A5		06047016	02/16/06
6	40733--A6		06047015	02/16/06
7	40734--A7		06047060	02/16/06
8	40735--B1		06047013	02/16/06
9	40736--B2		06047011	02/16/06
10	40737--B3		06047009	02/16/06
11	40738--B4		06047014	02/16/06
12	40739--B5		06047061	02/16/06
13	40740--B6		06047062	02/16/06



	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	

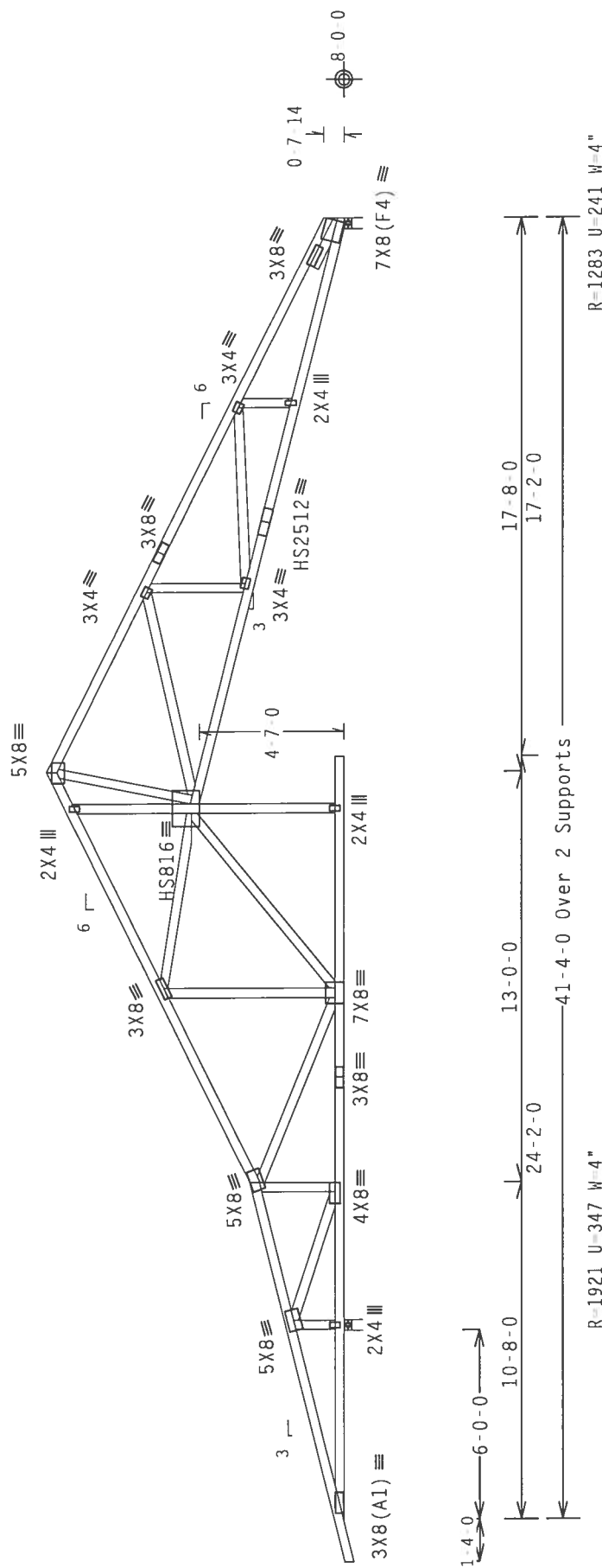
120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.728'

Calculated horizontal deflection is 0.19" due to live load and 0.17" due to dead load.

Deflection meets L/240 live and L/180 total load.

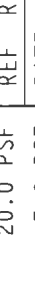
Laterally brace BC above filler at 24" o.c. including a lateral brace at chord ends.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave/R

QTY:12 FL/-/5/-/-/R/-
Scale =.1875"/Ft.



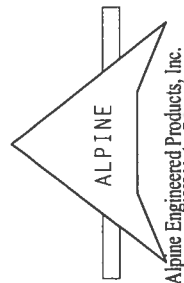
ALPINE
Engineered Products, Inc.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC STEEL CONSTRUCTION MANUAL (10TH EDITION), SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC STEEL CONSTRUCTION MANUAL (10TH EDITION), SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC STEEL CONSTRUCTION MANUAL (10TH EDITION), SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC STEEL CONSTRUCTION MANUAL (10TH EDITION), SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND AISC STEEL CONSTRUCTION MANUAL (10TH EDITION), SHALL BE THE RESPONSIBILITY OF THE FABRICATOR.

ALPINE ENGINEERED PRODUCTS, INC.
10000 W. 10TH AVE.
DENVER, CO 80202
TEL: 303.751.1000
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(GCRIVER - A2)

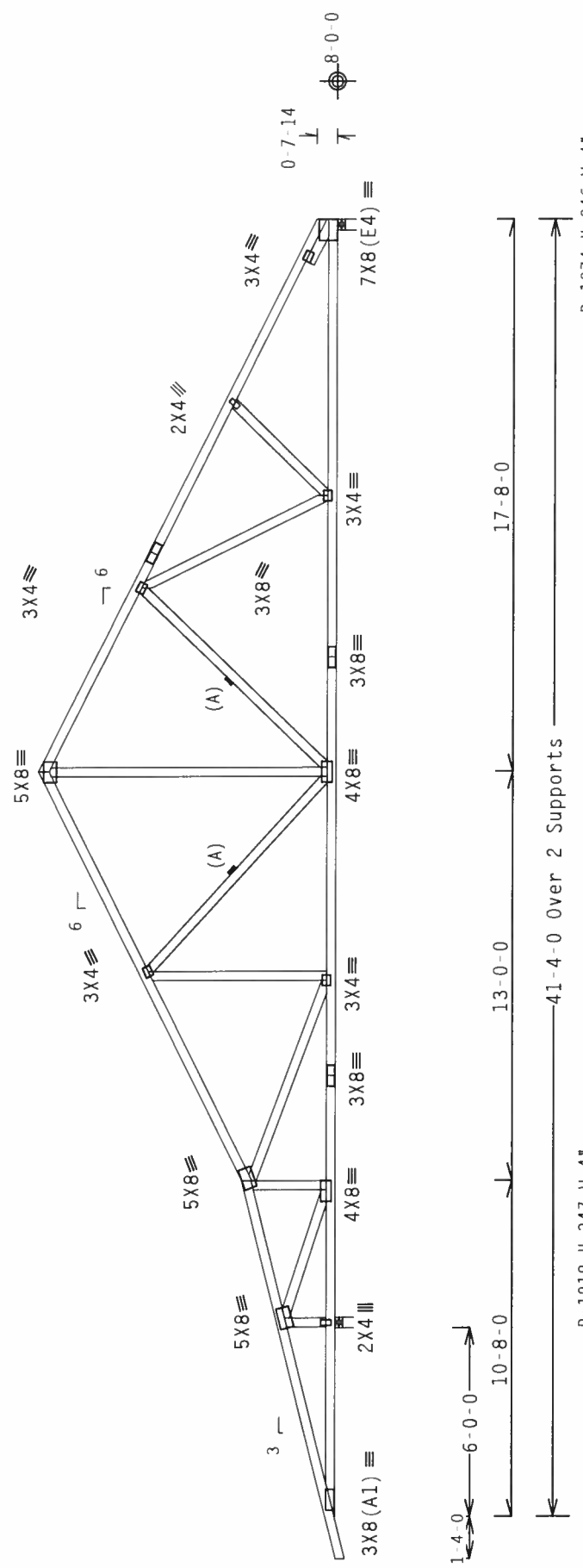
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Deflection meets L/240 live and L/180 total load.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC

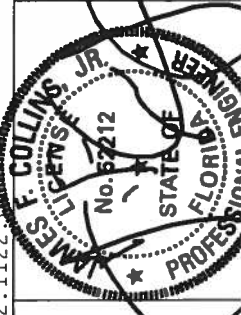
Scale = .1875"/Ft.

Cq/RT=1.00(1.25)/10(0) 7.22.1122.01

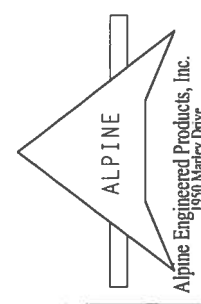
PLT TYP. Wave\R

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLATION AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE TRUSSES ARE MADE OF 20/10/10GA (4-H/5/4) LATH AGES GRADE 40/60 (N. 6/H/5) GALV. STEEL. APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI SHALL BE PER ANNEX A3 OF TPI 2002 SPECIFICATIONS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SPECIFICATIONS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



TC LL	20.0 PSF	REF	R7511- 40729
TC DL	7.0 PSF	DATE	02/16/06
BC DL	10.0 PSF	DRW	HCUSR7511 06047058
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN	58332
DUR.FAC.	1.25		

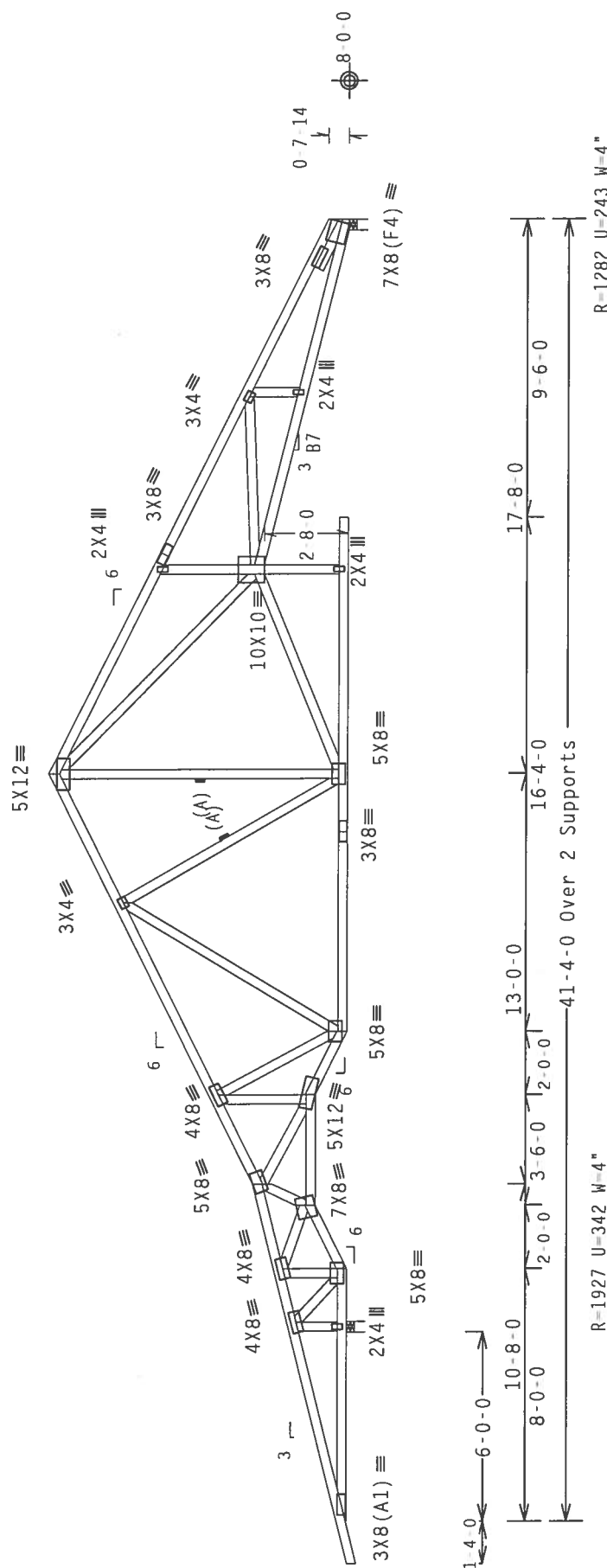


120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.16" due to live load and 0.14" due to dead load.

Deflection meets L/240 live and L/180 total load.

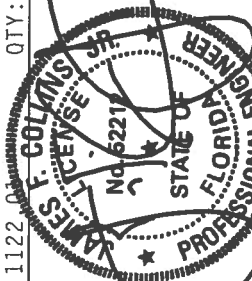
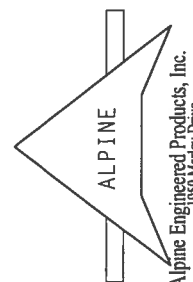
Laterally brace BC above filler at 24" o.c., including a lateral brace at chord ends.



Design Crit: TPI-2002(STD)/FBC

QTY:2 FL/-/5/-/-/R/- Scale =.1875"/Ft.

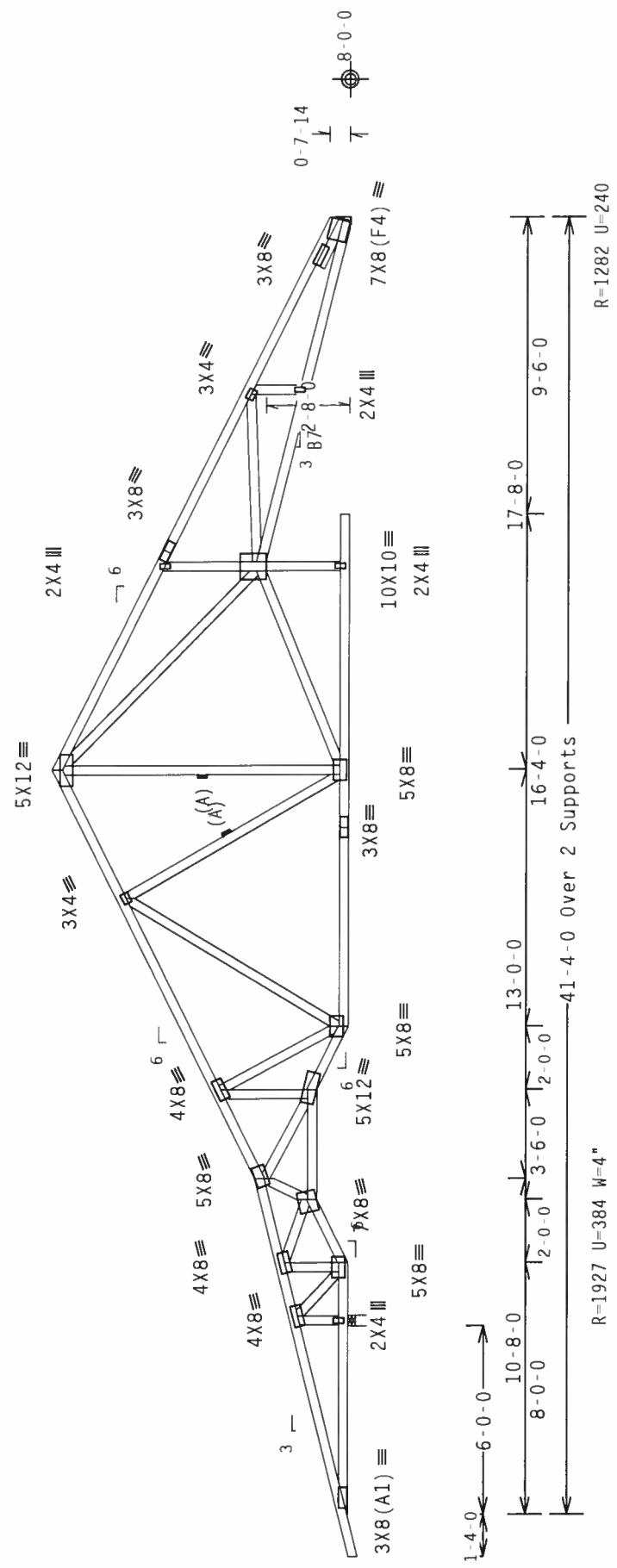
TC LL	20.0 PSF	REF R7511 - 40730
TC DL	7.0 PSF	DATE 02/16/06
BC DL	10.0 PSF	DRW HCUR7511 06047010
BC LL	0.0 PSF	HC - ENG CR/WHK
TOT. LD.	37.0 PSF	SEQN - 58335
DUR. FAC.	1.25	

[illegible]

(GCRIVER - A4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B7 2x4 SP SS Dense:
Webs 2x4 SP #3
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.728'
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.
Calculated horizontal deflection is 0.16" due to live load and 0.14" due to dead load.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1122.01

Scale = .1875"/Ft.

TC LL 20.0 PSF
TC DL 7.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 37.0 PSF
DUR.FAC. 1.25

REF R7511 - 40731
DATE 02/16/06
DRW HCUSR7511 06047059
HC-ENG WHK/WHK
SEQN- 58338

ALPINE
Alpine Engineered Products, Inc.
1600 Madison Drive

ENGINEER
F. COLLINS JR.
No. 522
STATE OF FLORIDA
PROFESSIONAL
CLASE F. COLLINS JR.
CLASE F. COLLINS JR.

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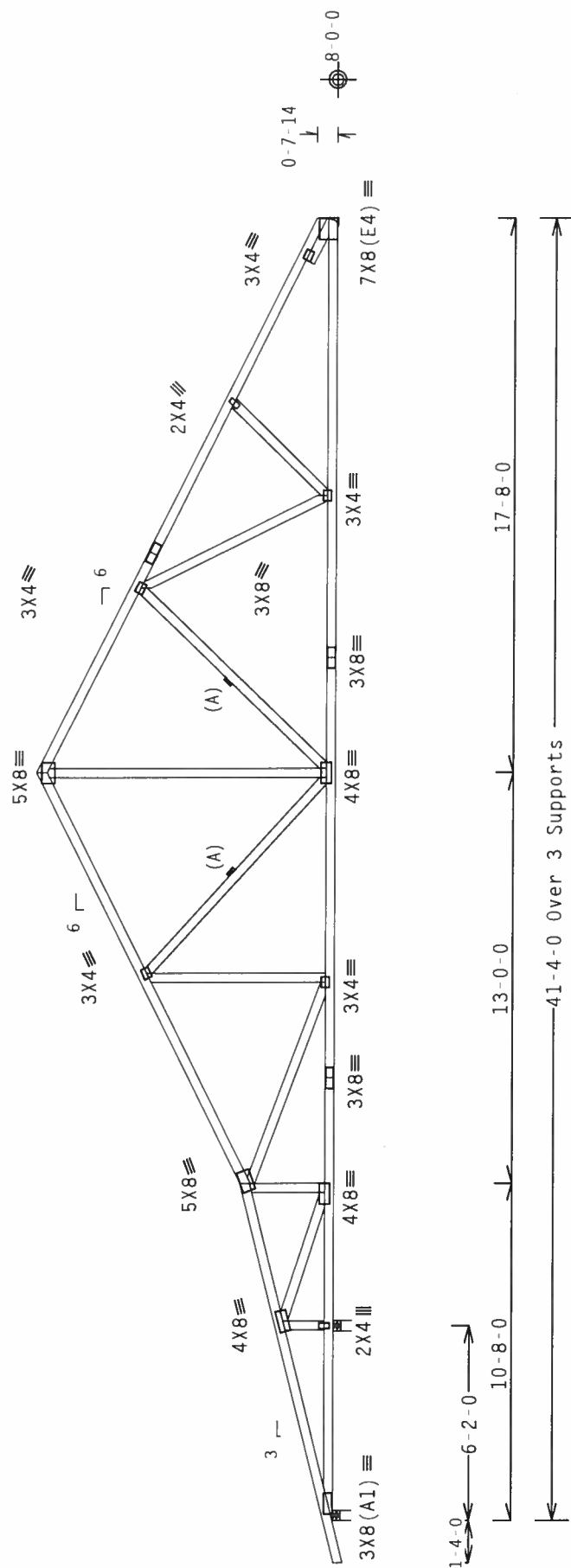
****IMPORTANT**** URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/10GA (W/1/2") ASTM A653 GRADE 40/60 (4. K/PL.5) GALV. STEEL. ANY DEVIATION FROM THIS DESIGN, POSITION PER UNRATINGS 10GA 2. ANY INSPECTION OF PLATES, ORIGIN, BOTTOM CHORD, OR OTHERS, SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT ORIGINATOR. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested

n = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/240 live and L/180 total load.



R=1830 U=361 W=4"

R=1287 U=246 H=Simpson HUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss

w/ (14) 10d Common, 0.148"x3.0" nails in Girder

Girder is (2)2X6 min. So.Pine

QTY:1 FL/-/5/-/-/R/-
Scale = .1875" / Ft.

 $Cq/RT=1.00(1.25)/10(0) \quad 7.22.1122.01$

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R



Alpine Engineering Products, Inc.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN ACCORDANCE WITH THE DESIGN CONFORMS WITH TP1 LOCAL PROVISIONS (SEE MICA AND TP1) AND ALPINE TRUSS DESIGN. TRUSSES ARE MADE OF 2018/16GA (14-HUS) ASTM A663 GR50, 40760, 14" X 14" STEEL CONNECTOR PLATES ARE MADE OF 2018/16GA (14-HUS) ASTM A663 GR50, 40760, 14" X 14" STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

REF	R7511- 40732	TC LL	20.0 PSF	INSTALLING AND BRACING
DATE	02/16/06	TC DL	7.0 PSF	
DRW	HCUSR7511 06047016	BC DL	10.0 PSF	
		BC LL	0.0 PSF	
		TOT.LD.	37.0 PSF	
		DUR.FAC.	1.25	



Alpine Engineered Products, Inc.
1950 Marley Drive

(GCRIVER - A6)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

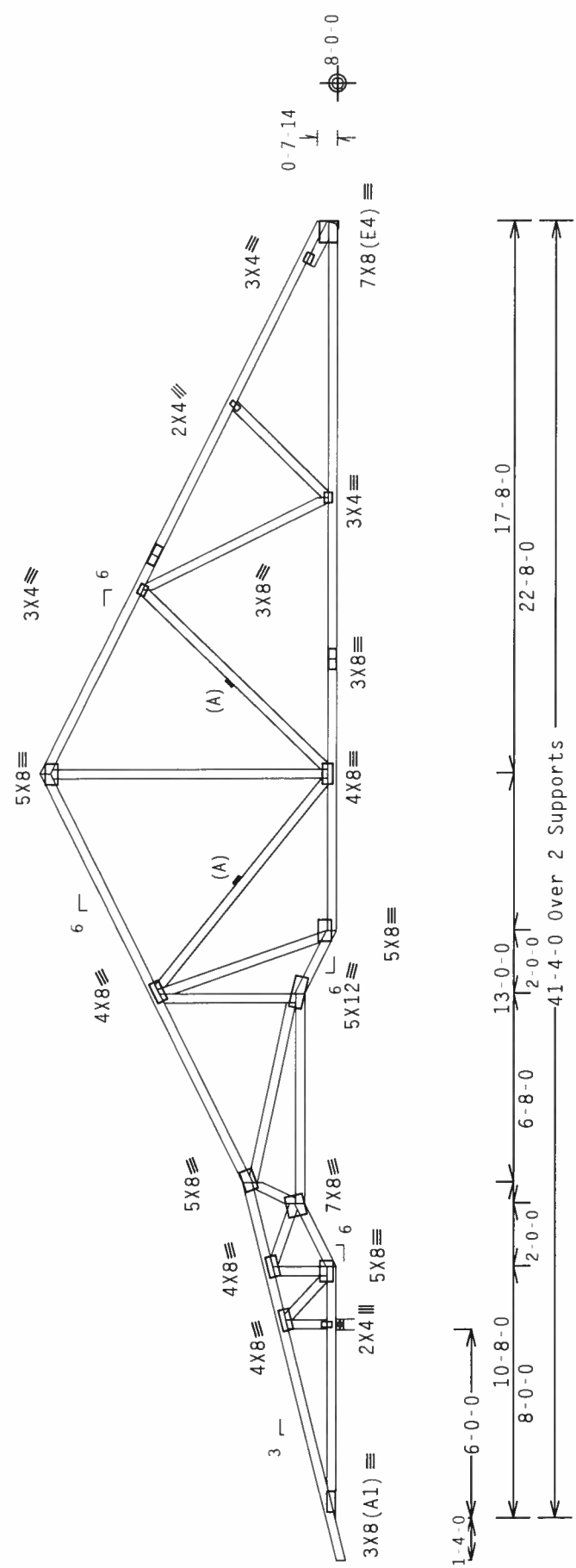
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R=1276 U=241 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

R=1925 U=384 W=4"

Design Crit: TPI-2002(STD)/FBC

QTY: 7 FL/-5/-/-R/- Scale = .1875"/Ft.

PLT TYP. Wave\R

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPT. CONNECTION PLATES ARE MADE OF 2017/10GA (4.10/57K) ASTM A653 GRADE 40/60 (40/50) GALV. STEEL. APPLY MAXIMUM TIGHTENING TORQUE TO ALL BOLTS AND NUTS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA 2. ALPINE ENGINEERED PRODUCTS, INC. ACCEPTS RESPONSIBILITY FOR THE DESIGN, FABRICATION, AND INSTALLATION OF THIS TRUSS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT



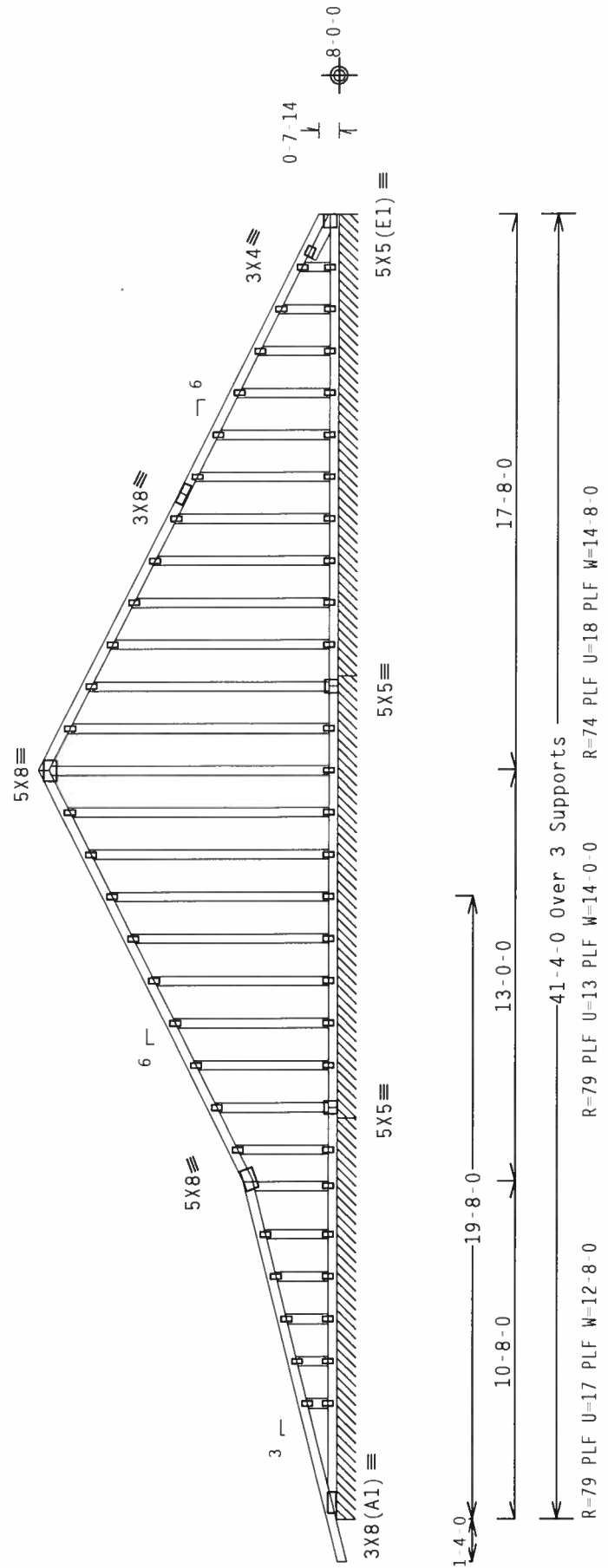
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DATE	02/16/06
DRW	HCUSR7511 06047015
HC-ENG	CR/WHK
SEQN	58255
TOT.LD.	37.0 PSF
DUR.FAC.	1.25

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
Gable end supports 8" max rake overhang.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.
Deflection meets L/240 live and L/180 total load.

See DWGS A12015EE0405 & GBLLETIN0405 for more requirements.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



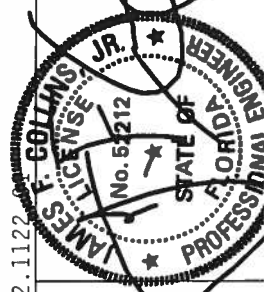
Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\|R Scale = .1875"/Ft.

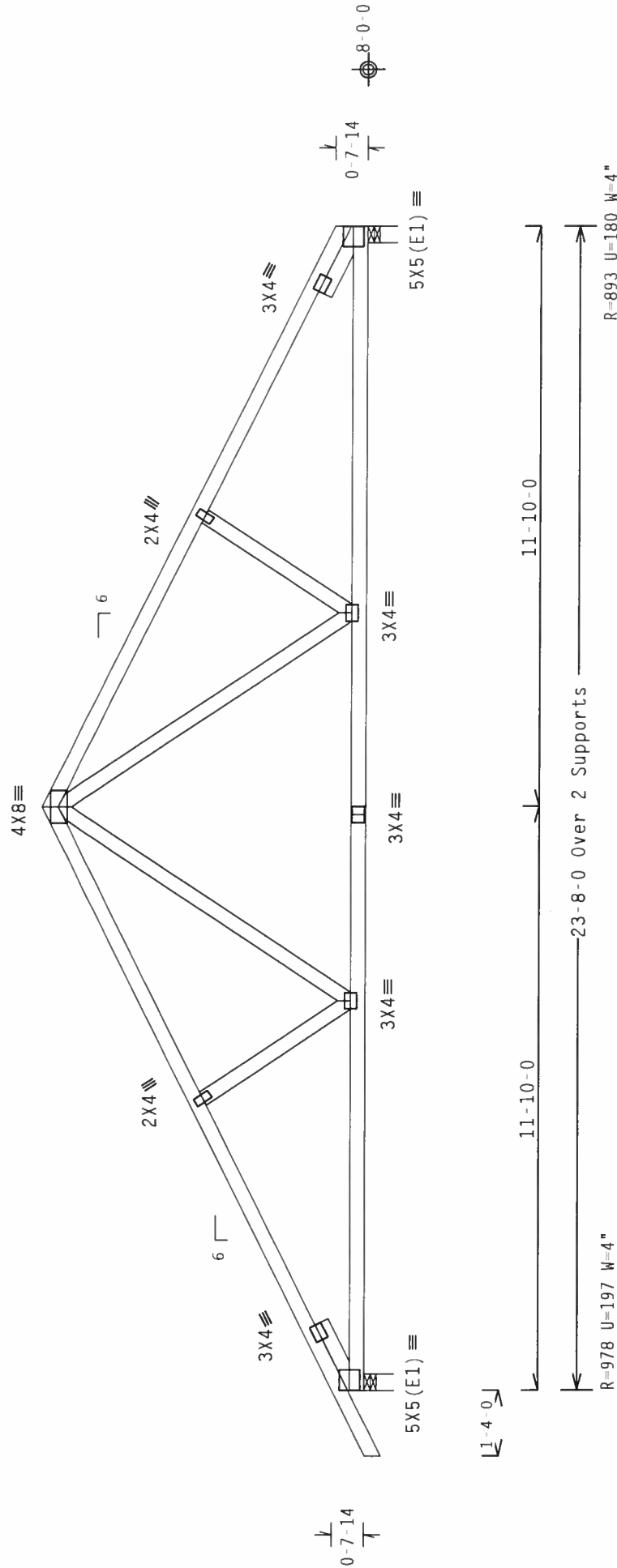
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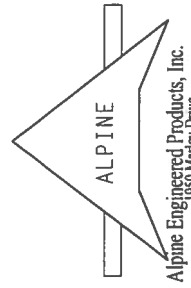
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DATE	02/16/06	
DRW	HCUSR7511	06047060
HC-ENG	WHK/WHK	
SEQN	58322	
DUR.FAC.	1.25	

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave/R

QTY:5 FL/-/5/-/-/R/-/ Scale = .3125"/Ft.

[illegible]

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

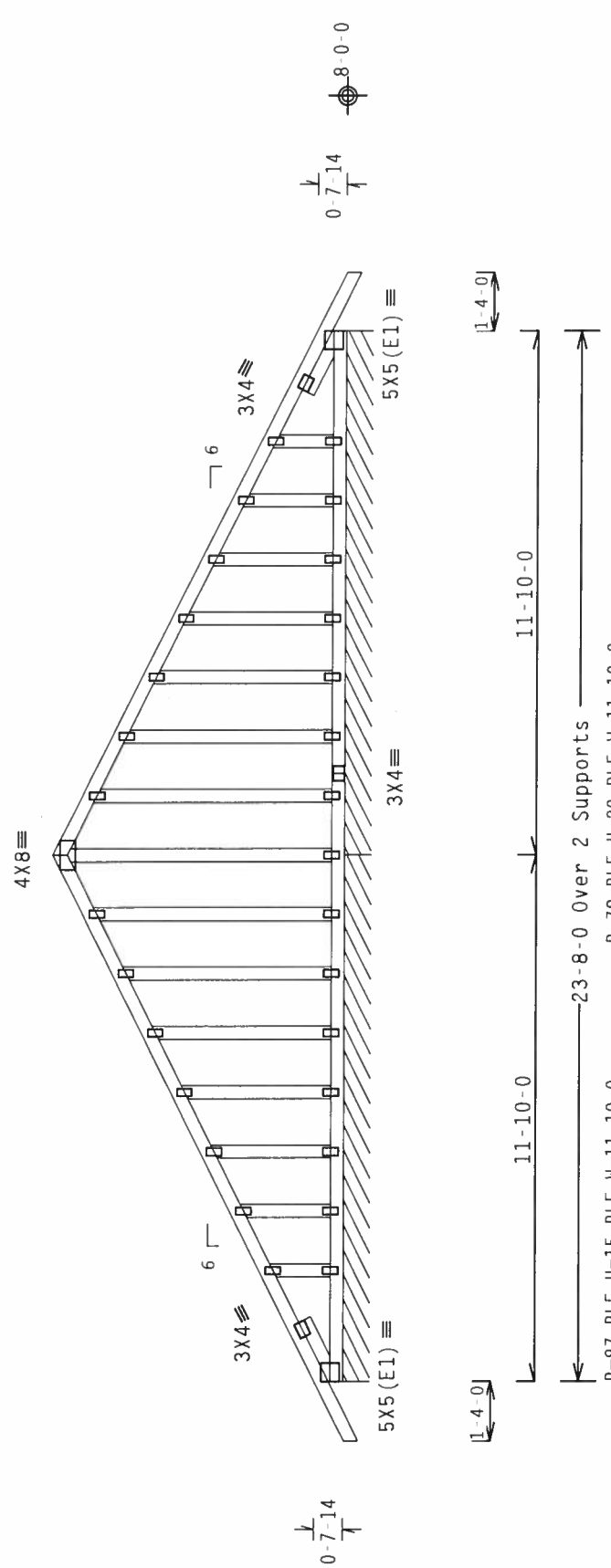
See DWGS A12015EE0405 & GBLLEIN0405 for more requirements.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load.

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Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

QTY: 1 FL/-/5/-/R/-

Scale = .25"/Ft.

REF	R7511 - 40737
DATE	02/16/06
DRW	HCUSR7511 06047009
HC-ENG	CR/WHK
SEON	58292

ALPINE
Engineered Products, Inc.
1950 Marley Drive

DESIGNER'S SEAL: F. COLLINS, No. 52213, STATE OF FLORIDA, PROFESSIONAL ENGINEER

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONDRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD 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.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI). ALPINE TRUSSES ARE MANUFACTURED TO THE STANDARD SPECIFICATION FOR TRUSSES, 2001/10/10 (4-11/5/04). ASTH A553 GRADE 40/60 (IN. K/IN) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS. DESIGNER'S RESPONSIBILITY TO PROVIDE CONNECTIONS PER DRAWINGS. ADD 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY (1) PER 2002 SECTION 05110. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)

Top Chord: 1 Row @12.00" o.c.

Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.

Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CL05ED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

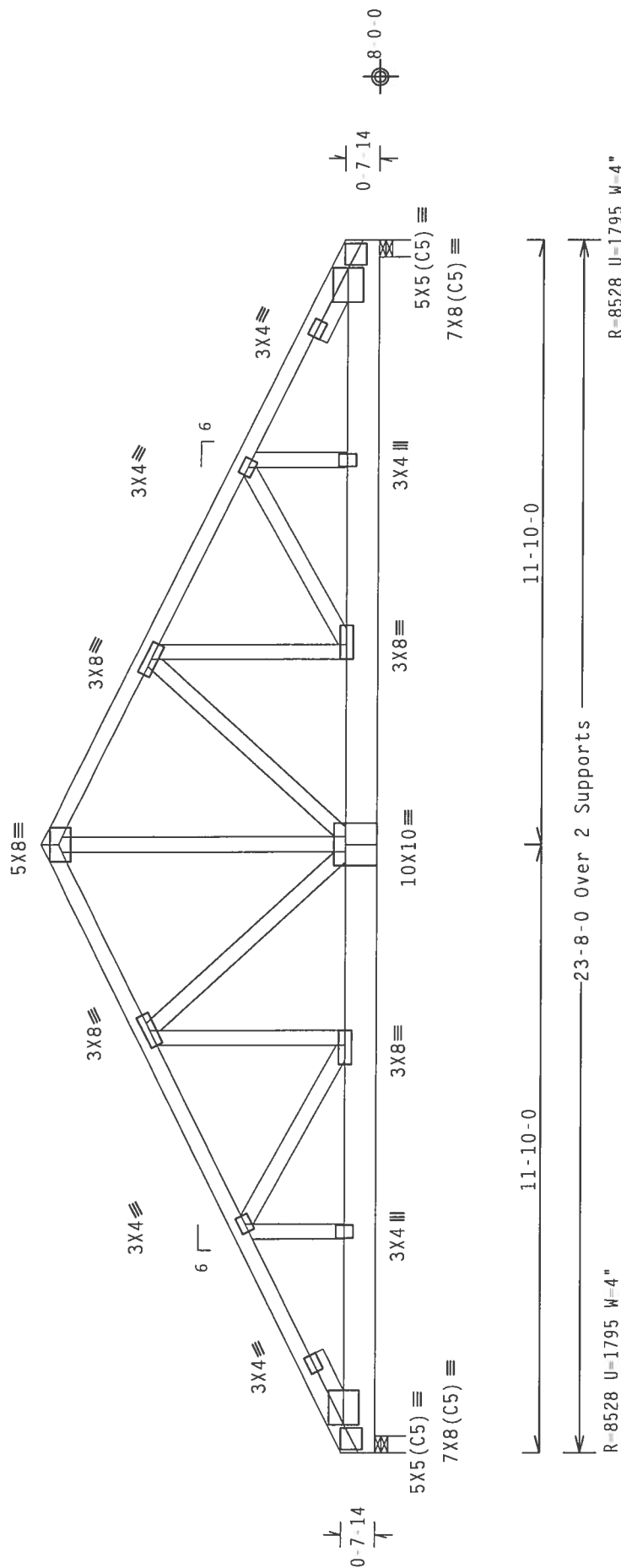
SPECIAL LOADS

----- (LUMBER DUR.FAC.-1.25 / PLATE DUR.FAC.-1.25)

TC - From 56 PLF at 0.00 to 56 PLF at 23.67 (CONCRETE DUK.PAC: 1.23 / PLATE DUK.PAC: 1.23)

From	PLF at	to	PLF at
BC	665	0.00	23.67
BC	665	0.00	23.67

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave\R

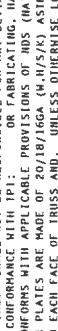
Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.22.1122$

QTY:1 FL/-/5/-/-/R/-

Scale = .3125"/Ft.

WARNING	TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING TO REFLECT BSJ 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS COMPANY, 363 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND MECA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., 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.	TC LL	20.0 PSF	REF	R7511-	40738
IMPORTANT	TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES COMPROMISES THE WARRANTY. PROVIDE ALL NECESSARY MATERIALS, CONNECTIONS, FASTENERS, ETC. APPLY CONNECTOR PLATES WITH MADE TO ORDER (MTO) NATIONAL DESIGN SPEC. (BY AFPA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ANY INSPECTION OF PLAYERS FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP11 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.	TC DL	7.0 PSF	DATE	02/16/06	
		BC DL	10.0 PSF	DRW	HCUSR7511	06047014
		BC LL	0.0 PSF	HC-ENG CR/WHK		
		TOT.LD.	37.0 PSF	SEQN-	58273	
		DUR.FAC.	1-25			


 JAMES F. COLLINS
 NO. 52217
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER



ALPINE
Alpine Engineered Products, Inc.



Alpine Engineered Products, Inc.
1950 Marley Drive

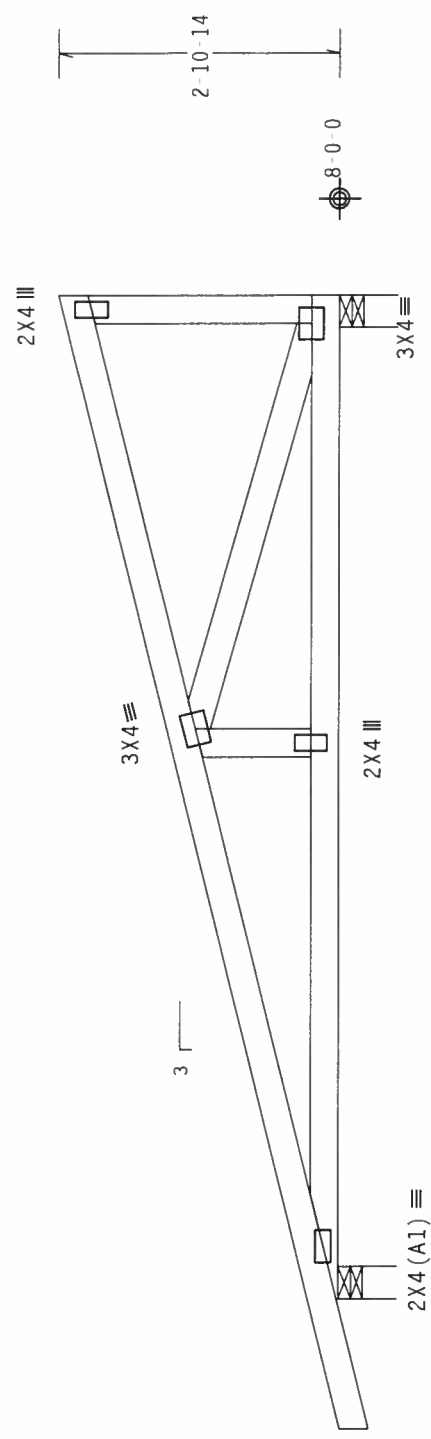
(GCRIVER - B5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

120 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0
psf.

Deflection meets L/240 live and L/180 total load.

Right end vertical not exposed to wind pressure.



1-4-0

10-4-0 Over 2 Supports

R=474 U=180 W=4"

R=373 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

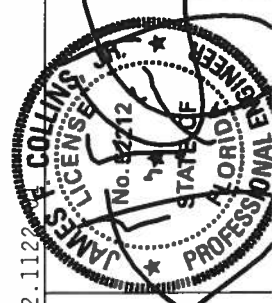
7.22.1122

FL/-/5/-/-/R/-
Scale = .5"/Ft.

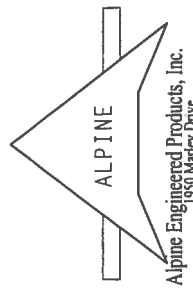
PLT TYP. Wave\ R

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD 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.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/10GA (4.17/5/3) CATH ADSS GRADE 40/60 (4.17/5/3) GALV. STEEL. APPLY THE FOLLOWING DESIGN REQUIREMENTS: 1. ALL TRUSSES SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PERFORMED AS OF TPI 2002 SEC 3.1. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



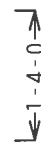
TC LL	20.0 PSF	REF	R7511 - 40739
TC DL	7.0 PSF	DATE	02/16/06
BC DL	10.0 PSF	DRW	HCUSR7511 06047061
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN	58316
DUR.FAC.	1.25		



120 mph wind, 15.00 ft mean height, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.



10-0-0 Over Continuous Support

R-82 PLF U-18 PLF W-10-0-0

Design Crit: TPI-2002(STD)/FBC

Design Crit: TPI-2002(STD)/FBC

FI 2002(316)/100
Cq/RT=1.00(1.25)/10(0) 7.22.1123

FI 2002(316)/100
Cq/RT=1.00(1.25)/10(0) 7.22.1123

FL/15/1-1R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	RFF	B7511	40740
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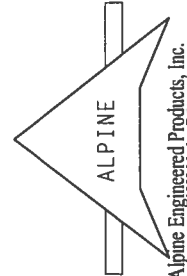
TC DL	7.0 PSF	DATE	02/16/06
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BC DL	10.0 PSF	DRW	HCUSR7511 06047062
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BC LL	0.0 PSF	HC-ENG WHK/WHK
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TOT.LD.	37.0 PSF	SEON-	58313
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DUR. FAC.	1.25
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WARNING: TRUSSES EXISTING ABOVE FLOORING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSSING PLANT INSTITUTE, 1543 02ND AVENUE, SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., 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 TOP CHORD SEALING.

[illegible]

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

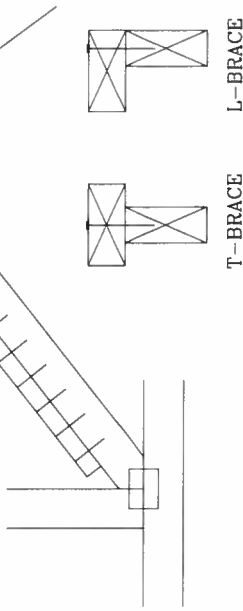
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

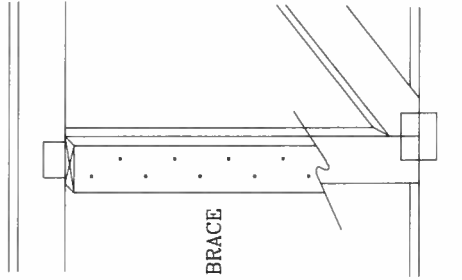
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DONDORF DR., SUITE 200, MADISON, WI 53719) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TDP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEER AND PRODUCT, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN OF TRUSSES, DESIGN CONNECTORS WITH APPLICABLE PROVISIONS, USE NATIONAL DESIGN SPEC, BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (VH/S/K) ASTM A653 GRADE 40/50 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

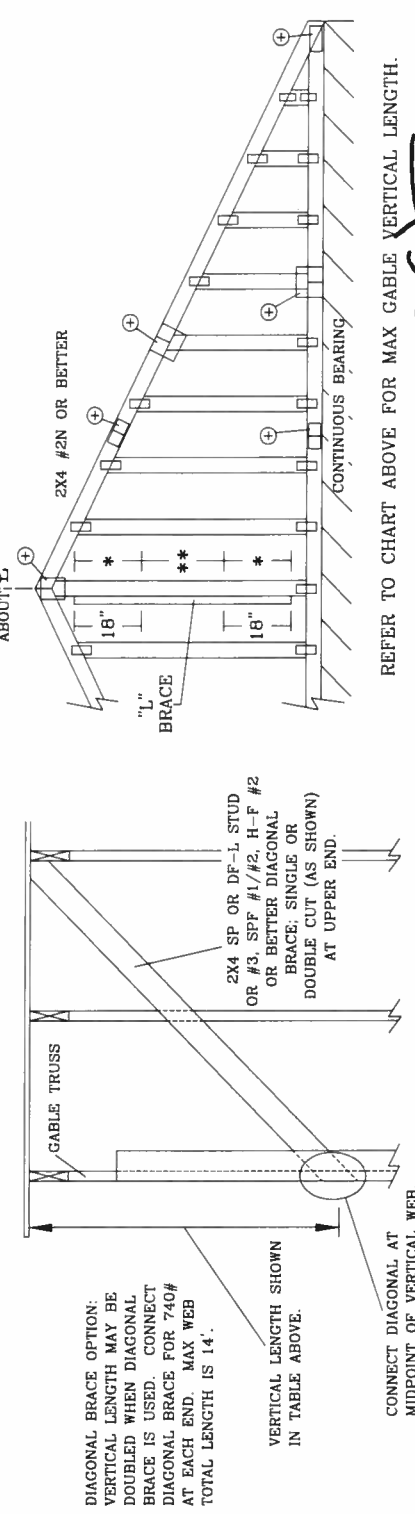


THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			

ASCE 7-02: 120 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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



DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 740# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

ALPINE

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IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SX) ASTM A653 GRADE 40/60 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE IN ACCORDANCE WITH TPI TRUSS COMPANY'S ACCEPTANCE OF THE TRUSS COMPANY'S THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI TRUSS COMPANY'S WEBSITE FOR THE TRUSS COMPANY'S

JAMES F. COLYNS, JR. No. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER

REF ASCE7-02-CABI2015
DATE 04/14/05
DRWG A12015EE0405
-ENG

MAX. TOT. LD. 60 PSF

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

GROUP B:			
HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR	#1	#1	
#1		#2	

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 105 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2.5X4	

+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATES.

