

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:1SUX215-Z0422153825

24275

Truss Fabricator: W.B. Howland
Job Identification: 3215-/PLUMB LEVEL CONST. PARRIS /Plumb Level Construction -- , **
Truss Count: 2
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 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: HCUSR215

Details: A11015EE-GBLLETIN-



Seal Date: 02/22/2006

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	90505--A		06053006	02/22/06
2	90506--GE		06053007	02/22/06



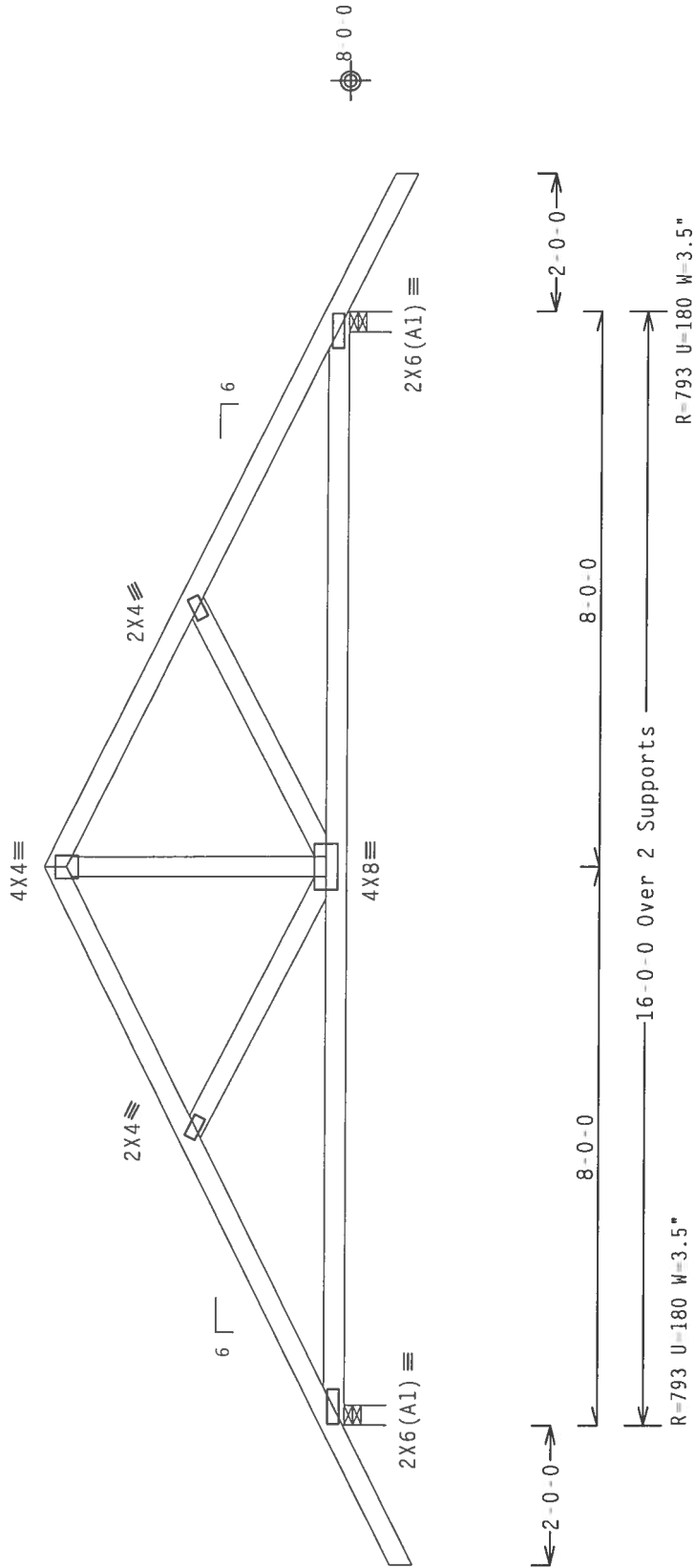
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-4-3.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
C₀/RT=1.00(1.25)

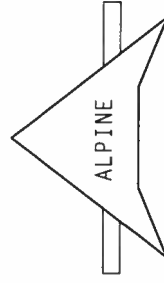
7 24 1230

QTY:9 FL/-/5/-/-/R/-

Scale = .375"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMMISSION SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 363 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 CHEROKEE 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 CEILING.

TC LL	20.0	PSF	REF	R215--	90505
TC DL	10.0	PSF	DATE	02/22/06	
BC DL	10.0	PSF	DRW	HCUSR215	06053006
BC LL	0.0	PSF	HC-ENG DAB/WHK		
TOT.LD.	40.0	PSF	SEQN-	4999	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1SUx215 Z04	



Alpine Engineered Products, Inc.
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110 mph wind, 15.00 ft mean ht., ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

psf.

Truss spaced at 24"-0C designed to support 2'-0" top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must
not be cut or notched.

In lieu of structural panels use purlins to brace TC @ 24" OC.

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

Plates sized for a minimum of 3.00 sq.in./piece.

[illegible]

) 7.24.1230 18 FL/-/5/-/-/R/- Scale =

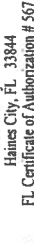
BRACING, REINFORCING, FORMS, ETC., INDICATED, Y ATTACHED	JACKSONVILLE, FL STATE LICENSE NO. 23229	TC LL	20.0 PSF	REF R2
		TC DL	10.0 PSF	DATE

STATE OF FLORIDA
PROFESSIONAL ENGINEER

ENGINEERED BY _____
FOR THE PROJECT OF _____
BUILDING NO. _____
FLOOR _____
APPLY TO _____
SIZES 160A Z _____
ALL ON THIS COMPONENT
ITY OF THE

Feb 7 1988

DRAWN BY _____
DATE _____
SCALE _____
BY BC LL 0.0 PSF
TOT.LD. 40.0 PSF
FROM L.C. 1.25
SPACING 24.0"



FL/-/5/-/-/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R215 - - 90506
TC DL	10.0 PSF	DATE 02/22/06
BC DL	10.0 PSF	DRW HCUSR215 06053007
BC LL	0.0 PSF	HC-ENG DAB/WHK
TOT.LD.	40.0 PSF	SEQN- 5001
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1SUX215_Z04

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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

MAX GABLE VERTICAL LENGTH

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STUD	#3	STANDARD
#1	STUD	#3	STANDARD

DOUGLAS FIR-LARCH

DOUGLAS FIR-LARCH		SOUTHERN PINE	
#1 / #2	STUD	#3	STANDARD
#1	STUD	#3	STANDARD

GROUP B:

HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR	#1	#1	#2
#1 & BTR	#1	#1	#2

SOUTHERN PINE		DOUGLAS FIR-LARCH	
#1	#2	#1	#2
#1	#2	#1	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

CABLE 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.

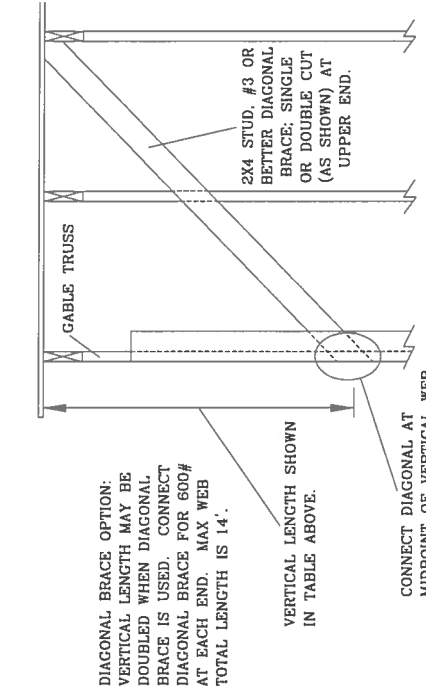
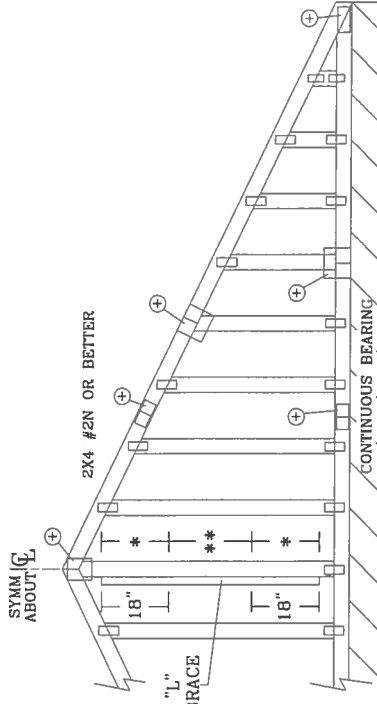
IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"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.



DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

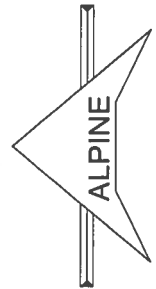
CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENTS MANUFACTURER'S INSTRUCTIONS, ALPINE TRUSS PLATE INSTITUTE, 583 DINDORF DR. SUITE 200 MADISON, WI 53719) AND VICA (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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR AND DETENTION FROM THIS DESIGN. ANY FAILURE TO PROVIDE THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY AIA/PAJ AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE, 40/60 (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 (1) 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 QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

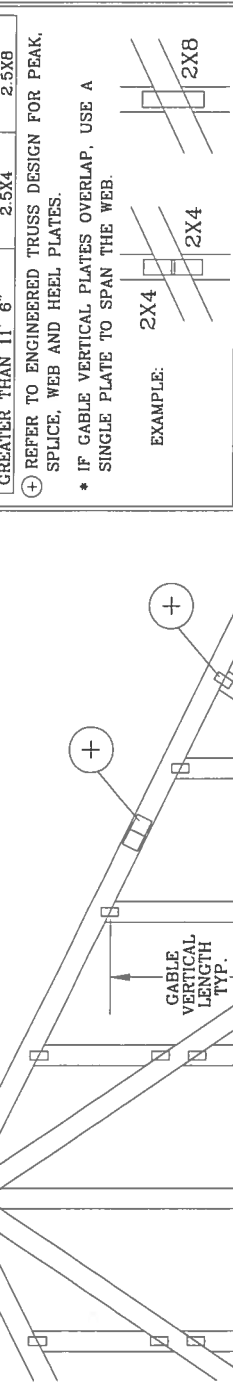
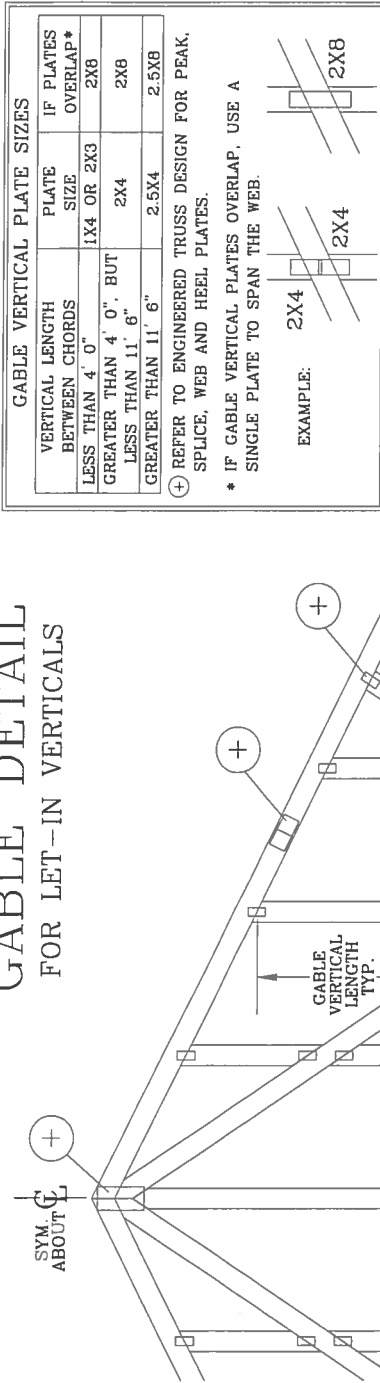


REF	ASCE7-02-CABI1015
DATE	04/15/05
DRWG	A11015EE0405
ENG	-
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

GABLE DETAIL FOR LET-IN VERTICALS



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A10015ENI103, A10015ENI103, A09015ENI103, A08015ENI103, A07015ENI103

A10030ENI103, A10030ENI103, A09030ENI103, A08030ENI103, A07030ENI103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015ECI103, A12015ECI103, A11015ECI103, A10015ECI103, A08515ECI103

A13030ECI103, A12030ECI103, A11030ECI103, A10030ECI103, A08530ECI103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405

A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

CEILING

TOENAILS

TOENAILS SPACED AT 4" O.C.

TOENAILS

TOENAILS

TOENAILS

TOENAILS

TOENAILS

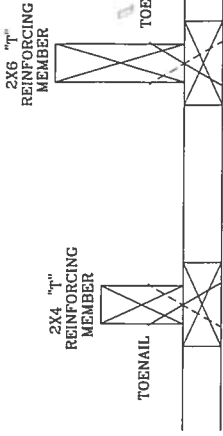
TOENAILS

TOENAILS

TOENAILS

TOENAILS

TOENAILS



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON CABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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 DUNDRIFF DR., SUITE 200, MADISON, WI 53719) AND WTA (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 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 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (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 IN ACCORDANCE WITH TPI-2006 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEER'S REVIEW OF THE TRUSS. THE REVIEWER'S SIGNATURE AND THE DESIGNER'S SIGNATURE, PER ANSI/TPI 1 SEC. 2

STATE OF FLORIDA
JAMES E. COLLINGS, JR.
No. 5292
PROFESSIONAL ENGINEER

REF LET-IN VERT
DATE 04/14/05
DRWG GBLLETIN0405
-ENG DLJ/KAR

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

24275

COASTAL RESOURCES ENGINEERING, LLC.

114b West Green Street
P.O. Box 1034, Perry, FL 32348
Telephone: (850) 584-4408
E-mail: laurib@gtcom.net

March 30, 2006

Mr. Joe Haltiwanger, Plans Examiner
Columbia County Building Department
P.O. Box 1529
Lake City, FL
32056-1529

Re: Kevin Bedenbaugh/Charles Parrish Home

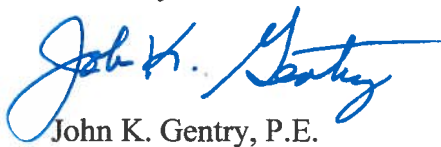
Dear Mr. Haltiwanger,

This letter is an Addendum to the Plans we certified for the referenced home.

- The pest control contractor must use Borate to poison the soil.
- A monolithic slab with a 12" wide x 20" deep footer along the edge is acceptable as an alternate design. The footer should contain 2 #5 horizontal rebar continuous.

If you have any questions or require further information please contact me at 850/584-4408.

Sincerely,



John K. Gentry, P.E.

Cc: Plumb Level Construction
Jodi Cooper



John K. Gentry
30 March - 06