

Columbia County Building Permit Application

For Office Use Only Application # 0702-20 Date Received 2/7/07 By GP Permit # 1324/15509
 Application Approved by - Zoning Official BLK Date 08-02-07 Plans Examiner OKJTH Date 2-7-07
 Flood Zone X Development Permit N/A Zoning RSF/MH-2 Land Use Plan Map Category RES Low Dev.
 Comments VARIANCE # 250 FRONT 10' Side 8'
☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☒ Parent Parcel # ☒ Development Permit

Name Authorized Person Signing Permit James R. Cox Phone 386-755-7200
 Address 456 SE Ermine Ave Lake City, Florida 32025
 Owners Name Eva S. Williams Phone 386-755-2388
 911 Address 1452 NE Washington St. Lake City, FL 32055
 Contractors Name James R. Cox Phone 386-755-7200
 Address 456 SE Ermine Ave. Suite 101 Lake City FL 32025
 Fee Simple Owner Name & Address Eva S. Williams 1444 NE Washington Street 32055
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Nick Hishel 386-755-9021
 Mortgage Lenders Name & Address Atlantic Coast

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 33-35-17-06341-000 Estimated Cost of Construction \$104,000.00

Subdivision Name Dortch's Survey East 1/2 Lot 1 Block 3 Unit Phase

Driving Directions Take 90 to Patterson Street turn left. Go to Washington Street turn right Go to Buddy Ave turn right Lot on corner.

Type of Construction New Residential Number of Existing Dwellings on Property none

Total Acreage .11 Lot Size 58.39 x 82.34 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Dri

Actual Distance of Structure from Property Lines - Front 21' Side 10' Side 18.5' Rear 10'

Total Building Height 12' Number of Stories 1 Heated Floor Area 1404 Roof Pitch 4/12
 TOTAL 1,534

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CK H.L. - W = B.P.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

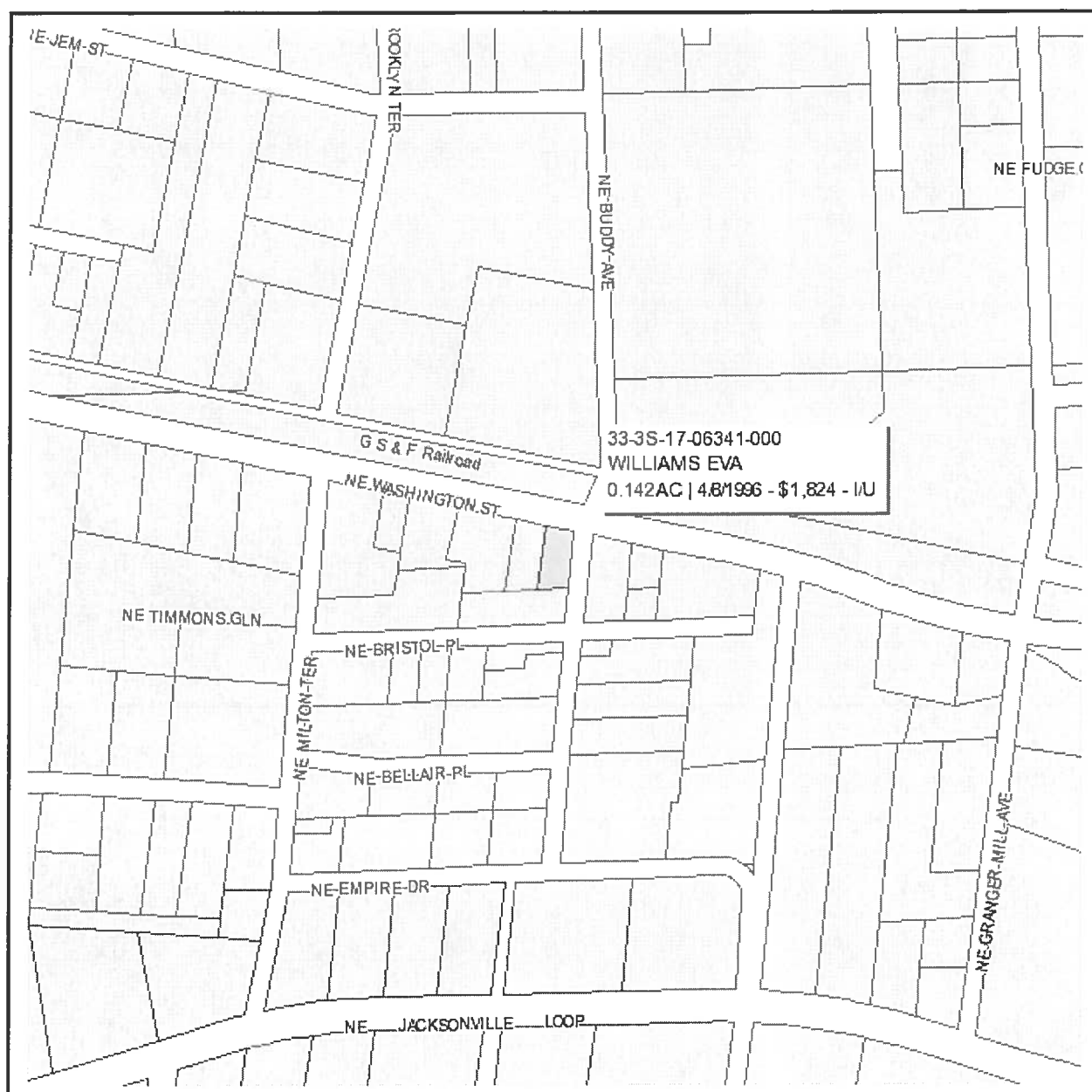
James R. Cox
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 31st day of January 2007.
 nally known ☒ or Produced Identification

James R. Cox
 Contractor Signature
 Contractors License Number RR00066502
 Competency Card Number 5426
 NOTARY STAMP/SEAL

BELINDA LAFFOON
 NOTARY PUBLIC - STATE OF FLORIDA
 COMMISSION # DD301751
Belinda Laffoon
 EXPIRES 3/26/2008
 NOTARY SIGNATURE



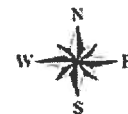
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 33-3S-17-06341-000 - VACANT (000000)

Name:	WILLIAMS EVA	LandVal	\$2,168.00
Site:		BldgVal	\$0.00
Mail:	1444 NE WASHINGTON ST	ApprVal	\$2,168.00
	LAKE CITY, FL 32055	JustVal	\$2,168.00
Sales		Assd	\$2,168.00
Info	4/8/1996 \$1,824.00 1/U	Exmpt	\$0.00
		Taxable	\$2,168.00

0 120 240 360 ft



This information, GIS Map Updated: 2/5/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

City of Lake City

TAP and IMPACT RECEIPT

No: 80510

DATE: 2/7/07

RECEIVED OF: C/S Construction

SERVICE ADDRESS: 1452 NE Washington St.

Water Tap	
Water Impact	
Sewer Tap	367.00
Sewer Impact	1175.00
Application	
Other Fee	
Other Fee	
Total	\$ 1542.00

Check # 10425

CITY OF LAKE CITY

BY: Karen

Tax Deed File No. 926 of 1993

Property Identification No. 33-3S-17-06341-000

Tax Deed

— **State of Florida**

County of Columbia

The following Tax Sale Certificate Numbered 926
issued on June 1, 1993 was filed in the office of the tax
collector of this County and application made for the issuance of a tax deed, the applicant having
paid or redeemed all other taxes or tax sale certificates on the land described as required by law to
be paid or redeemed, and the costs and expenses of this sale, and due notice of sale having been
published as required by law, and no person entitled to do so having appeared to redeem said
land; such land was on the 8th day of April
19 96, offered for sale as required by law for cash to the highest bidder and was sold to

EVA WILLIAMS

whose address is RT 7 BOX 671, LAKE CITY FL 32055 being the
highest bidder and having paid the sum of his bid as required by the Laws of Florida.

NOW, on this 8th day of April, 19 96, in the County of
COLUMBIA, State of Florida, in consideration of the sum of (\$1823.88)
ONE THOUSAND EIGHT HUNDRED TWENTY THREE DOLLARS & EIGHTY EIGHT/100 Dollars, being the amount paid
pursuant to the Laws of Florida does hereby sell the following lands situated in the County and
State aforesaid and described as follows:

E $\frac{1}{2}$ of LOT 1, BLK 3, DORTCH'S SURVEY OF NW $\frac{1}{4}$
OF NE $\frac{1}{4}$, EXCEPT ROAD RIGHT OF WAY.

FILED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FLA.

BK 0820 PG 0199

96-04883

1996 APR -9 AM 8:31

RECORDED
DEP. CLERK
CLERK OF COURTS
COLUMBIA COUNTY, FLA.
D.C.
P. Dewitt Cason
OFFICIAL RECORDS
(SEAL)
Clerk of the Circuit Court or County Comptroller
Columbia County, Florida

Witness:

Belinda Scipio
Shirley A. Markham

State of Florida

County of Columbia

On this 9th day of APRIL, 19 96

before me

PATRICIA A. PERRY

personally appeared

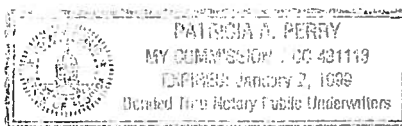
P. DEWITT CASON

Clerk of the Circuit Court or County

Comptroller in and for the State and this County known to me to be the person described in, and
who executed the foregoing instrument, and acknowledged the execution of this instrument to be
his own free act and deed for the use and purposes therein mentioned.

Witness my hand and official seal date aforesaid.

Patricia A. Perry
PATRICIA A. PERRY-NOTARY PUBLIC



COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 10/19/2006 DATE ISSUED: 11/2/2006

ENHANCED 9-1-1 ADDRESS:

1452 NE WASHINGTON ST

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

33-3S-17-06341-000

Remarks:

LOCATED ON E1/2 OF LOT 1, BLK 3, DORTCH'S SURVEY

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	THE SETH	Builder:	C & S CONSTRUCTION
Address:	-	Permitting Office:	LAKE CITY
City, State:	LAKE CITY, FL	Permit Number:	02 25509
Owner:	C & S CONSTRUCTION	Jurisdiction Number:	221200
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 25.8 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1344.6 ft²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 26.9 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 72.1 ft²		HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Tint) 72.1 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 157.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.91
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=11.0, 1127.1 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=19.0, 1403.8 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 135.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 19592

Total base points: 22185

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [Signature] 02/2005

DATE: 01 Feb 2007

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Credit = Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms									
3		2635.00	7905.0	50.0	0.91	3		1.00	2663.96
									1.00
									7991.9
				As-Built Total:					7991.9

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
7349		6931		7905		22185	4655		6945
									7992
									19592

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1344.6	12.74	3083.4	Double, Tint	S	2.0	4.8	28.8	15.87	1.43	655.1
				Double, Tint	S	7.0	4.8	28.8	15.87	3.24	1480.0
				Double, Tint	E	2.0	9.6	28.8	20.51	1.03	605.5
				Double, Tint	W	2.0	10.3	14.4	22.15	1.01	322.9
				Double, Tint	N	2.0	6.1	18.1	25.37	1.00	461.9
				Double, Tint	N	2.0	2.8	5.4	25.37	1.01	138.9
				As-Built Total:						124.3	3664.3
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent Exterior	0.0 1127.1	0.00 3.70	0.0 4170.3	Frame, Wood, Exterior	11.0		1127.1	3.70	4170.3		
Base Total:						1127.1	As-Built Total:			4170.3	
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent Exterior	0.0 35.2	0.00 12.30	0.0 433.5	Exterior Insulated Exterior Wood			20.0 15.2	8.40 12.30	168.1 187.3		
Base Total:						35.2	As-Built Total:			355.4	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1344.6	2.05	2756.4	Under Attic	19.0		1403.8	2.70 X 1.00	3790.3		
Base Total:						1403.8	As-Built Total:			3790.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab Raised	157.0(p) 0.0	8.9 0.00	1397.3 0.0	Slab-On-Grade Edge Insulation	0.0		157.0(p)	18.80	2951.6		
Base Total:						157.0	As-Built Total:			2951.6	
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
								1344.6	-0.59	-793.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 11047.6				Winter As-Built Points: 14138.6						
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.060 x 1.169 x 0.93)	X System Multiplier 0.426	X Credit Multiplier 1.000	= Heating Points 6945.0	
11047.6	0.6274	6931.3		14138.6	1.00	1.152	0.426	1.000	6945.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1344.6	20.04	4850.2	Double, Tint	S	2.0	4.8	28.8	28.73	0.71	590.5
				Double, Tint	S	7.0	4.8	28.8	28.73	0.48	394.3
				Double, Tint	E	2.0	9.6	28.8	33.89	0.94	919.7
				Double, Tint	W	2.0	10.3	14.4	30.93	0.95	424.8
				Double, Tint	N	2.0	6.1	18.1	14.84	0.90	242.5
				Double, Tint	N	2.0	2.8	5.4	14.84	0.77	61.4
				As-Built Total:				124.3	2633.3		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0		1127.1	1.70		1916.1	
Exterior	1127.1	1.70	1916.1								
Base Total:		1127.1	1916.1	As-Built Total:				1127.1	1916.1		
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			20.0	4.10		82.0	
Exterior	35.2	6.10	215.0	Exterior Wood			15.2	6.10		92.9	
Base Total:		35.2	215.0	As-Built Total:				35.2	174.9		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1344.6	1.73	2326.2	Under Attic	19.0		1403.8	2.34 X 1.00		3284.9	
Base Total:		1344.6	2326.2	As-Built Total:				1403.8	3284.9		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	157.0(p)	-37.0	-5809.0	Slab-On-Grade Edge Insulation	0.0		157.0(p)	-41.20		-6468.4	
Raised	0.0	0.00	0.0								
Base Total:		-5809.0		As-Built Total:				157.0	-6468.4		
INFILTRATION Area X BSPM = Points								Area X SPM = Points			
		1344.6	10.21					1344.6	10.21		13728.4

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 17226.8				Summer As-Built Points: 15269.2						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.08 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
17226.8	0.4266		7349.0	(sys 1: Central Unit 25800 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS) 15269	1.00		0.284	0.950		4655.1
				15269.2	1.00	1.128	0.284	0.950		4655.1

DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.5

The higher the score, the more efficient the home.

C & S CONSTRUCTION, -, LAKE CITY, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 25.8 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1344.6 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 26.9 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 72.1 ft ²		HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Tint) 72.1 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 157.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.91
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=11.0, 1127.1 ft ²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	CF,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=19.0, 1403.8 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 135.0 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

Residential System Sizing Calculation

Summary

C & S CONSTRUCTION
LAKE CITY, FL

Project Title:
THE SETH

Code Only
Professional Version
Climate: North

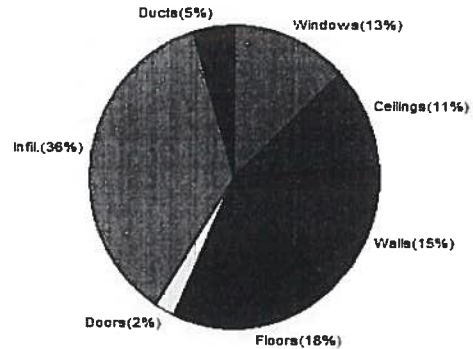
2/1/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	26907 Btuh	Total cooling load calculation	25767 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	100.0 26900	Sensible (SHR = 0.75)	114.2 19350
Heat Pump + Auxiliary(5.0kW)	163.4 43965	Latent	73.0 6450
		Total (Electric Heat Pump)	100.1 25800

WINTER CALCULATIONS

Winter Heating Load (for 1345 sqft)

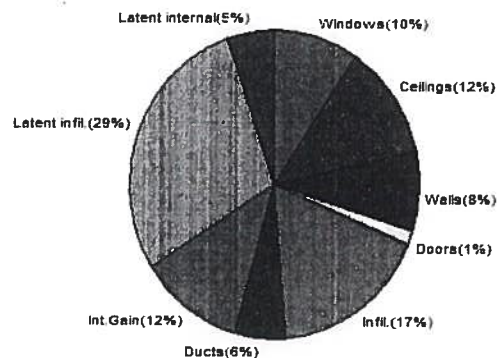
Load component		Load
Window total	124 sqft	3518 Btuh
Wall total	1127 sqft	3945 Btuh
Door total	35 sqft	640 Btuh
Ceiling total	1404 sqft	2948 Btuh
Floor total	157 ft	4961 Btuh
Infiltration	224 cfm	9614 Btuh
Subtotal		25626 Btuh
Duct loss		1281 Btuh
TOTAL HEAT LOSS		26907 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1345 sqft)

Load component		Load
Window total	124 sqft	2485 Btuh
Wall total	1127 sqft	2187 Btuh
Door total	35 sqft	355 Btuh
Ceiling total	1404 sqft	3116 Btuh
Floor total		0 Btuh
Infiltration	215 cfm	4254 Btuh
Internal gain		3000 Btuh
Subtotal(sensible)		15397 Btuh
Duct gain		1540 Btuh
Total sensible gain		16937 Btuh
Latent gain(infiltration)		7450 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		8830 Btuh
TOTAL HEAT GAIN		25767 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: *2/1/2007*

System Sizing Calculations - Winter

Residential Load - Component Details

C & S CONSTRUCTION

LAKE CITY, FL

Project Title:
THE SETH

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

2/1/2007

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Tint, Metal, DEF	N	28.8	28.3	815 Btuh
2	2, Tint, Metal, DEF	N	28.8	28.3	815 Btuh
3	2, Tint, Metal, DEF	W	28.8	28.3	815 Btuh
4	2, Tint, Metal, DEF	E	14.4	28.3	408 Btuh
5	2, Tint, Metal, DEF	S	18.1	28.3	513 Btuh
6	2, Tint, Metal, DEF	S	5.4	28.3	153 Btuh
Window Total			124		3518 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1127	3.5	3945 Btuh
Wall Total			1127		3945 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Wood - Exter		15	17.9	273 Btuh
Door Total			35		640 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	19.0	1404	2.1	2948 Btuh
Ceiling Total			1404		2948 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	157.0 ft(p)	31.6	4961 Btuh
Floor Total			157		4961 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	11092(sqft)	74	3179 Btuh
	Mechanical			150	6435 Btuh
Infiltration Total				224	9614 Btuh

Totals for Heating	Subtotal	25626 Btuh
	Duct Loss(using duct multiplier of 0.05)	1281 Btuh
	Total Btuh Loss	26907 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

C & S CONSTRUCTION

Project Title:

Code Only

LAKE CITY, FL

THE SETH

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

2/1/2007

Window	Type	Overhang Len Hgt	Window Area(sqft)			HTM		Load
	Panes/SHGC/U/InSh/ExSh Ornt		Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Tint, DEF, B, N	N 2 4.83	28.8	0.0	28.8	12	12	346 Btuh
2	2, Tint, DEF, B, N	N 7 4.83	28.8	0.0	28.8	12	12	346 Btuh
3	2, Tint, DEF, B, N	W 2 9.58	28.8	0.0	28.8	12	35	1008 Btuh
4	2, Tint, DEF, B, N	E 2 10.3	14.4	0.0	14.4	12	35	504 Btuh
5	2, Tint, DEF, B, N	S 2 6.08	18.1	18.1	0.0	12	18	217 Btuh
6	2, Tint, DEF, B, N	S 2 2.83	5.4	5.4	0.0	12	18	65 Btuh
Window Total			124					2485 Btuh
Walls	Type	R-Value	Area		HTM		Load	
	1 Frame - Exterior	11.0	1127.1		1.9		2187 Btuh	
Wall Total			1127.1				2187 Btuh	
Doors	Type	R-Value	Area		HTM		Load	
	1 Insulated - Exter		20.0		10.1		203 Btuh	
	2 Wood - Exter		15.2		10.0		152 Btuh	
Door Total			35.2				355 Btuh	
Ceilings	Type/Color	R-Value	Area		HTM		Load	
	1 Under Attic/Dark	19.0	1403.8		2.2		3116 Btuh	
Ceiling Total			1403.8				3116 Btuh	
Floors	Type	R-Value	Size		HTM		Load	
	1 Slab-On-Grade Edge Insulation	0.0	157.0 ft(p)		0.0		0 Btuh	
Floor Total			157.0				0 Btuh	
Infiltration	Type	ACH	Volume		CFM=		Load	
	Natural	0.35	11092		64.8		1284 Btuh	
	Mechanical				150		2970 Btuh	
Infiltration Total					215		4254 Btuh	

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 300 +	1200	3000 Btuh

Totals for Cooling	Subtotal	15397 Btuh
	Duct gain(using duct multiplier of 0.10)	1540 Btuh
	Total sensible gain	16937 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7450 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		25767 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(Ornt - compass orientation)

EnergyGauged FLRCPB v3.30

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and
in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 10-45-16-02853-426

Permit Number 25510

1. Description of property: (legal description of the property and street address or 911 address)

Russwood Estates, Unit 4 Lot 26
Lake City, FL 32024

177 SW Scott Place

2. General description of improvement: New Construction of single family
residential

3. Owner Name & Address Russell Bailey 2016 SW Sisters Welcome
Rd Lake City, FL 32025 Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name Patricia M Johnson Phone Number 386-755-4038

Address 204 SW Dusty Glen Lake City, FL 32024

6. Surety Holders Name N/A Phone Number _____

Address _____

Amount of Bond _____ Inst:2007003168 Date:02/09/2007 Time:08:46

7. Lender Name N/A JP DC, P. DeWitt Cason, Columbia County B:1110 P:697

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be
served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name _____ Phone Number _____

Address _____

9. In addition to himself/herself the owner designates _____ of
_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording, (Unless a different date is specified) _____

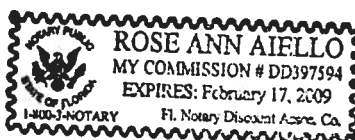
THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Russell Bailey
Signature of Owner

Sworn to (or affirmed) and subscribed before day of February 9, 2007.

Rose Ann Aiello
Signature of Notary

NOTARY STAMP/SEAL



IN: WEB
**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001324**

DATE: 02/09/2007

BUILDING PERMIT NO. 25509

APPLICANT LAVONNE COX

PHONE 755.7200

ADDRESS 456 SE ERMINE STREET

LAKE CITY

FL 32025

OWNER EVA L. WILLIAMS

PHONE 386.755.2388

ADDRESS 1452 NE WASHINGTON STREET

LAKE CITY

FL 32055

CONTRACTOR JAMES R. COX

PHONE 386.755.7200

LOCATION OF PROPERTY 90-E TO PATTERSON, TL TO WASHINGTON, TR TO BUDDY AVENUE, TR &

THE LOT IS @ THE CORNER OF BUDDY & WASHINGTON.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT DORTCH'S-EAST 1/2

1

3

PARCEL ID # 33-3S-17-06341-000

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: *Lavonne Cox*

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

[Signature] APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: *[Signature]*

DATE: 2-15-07

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

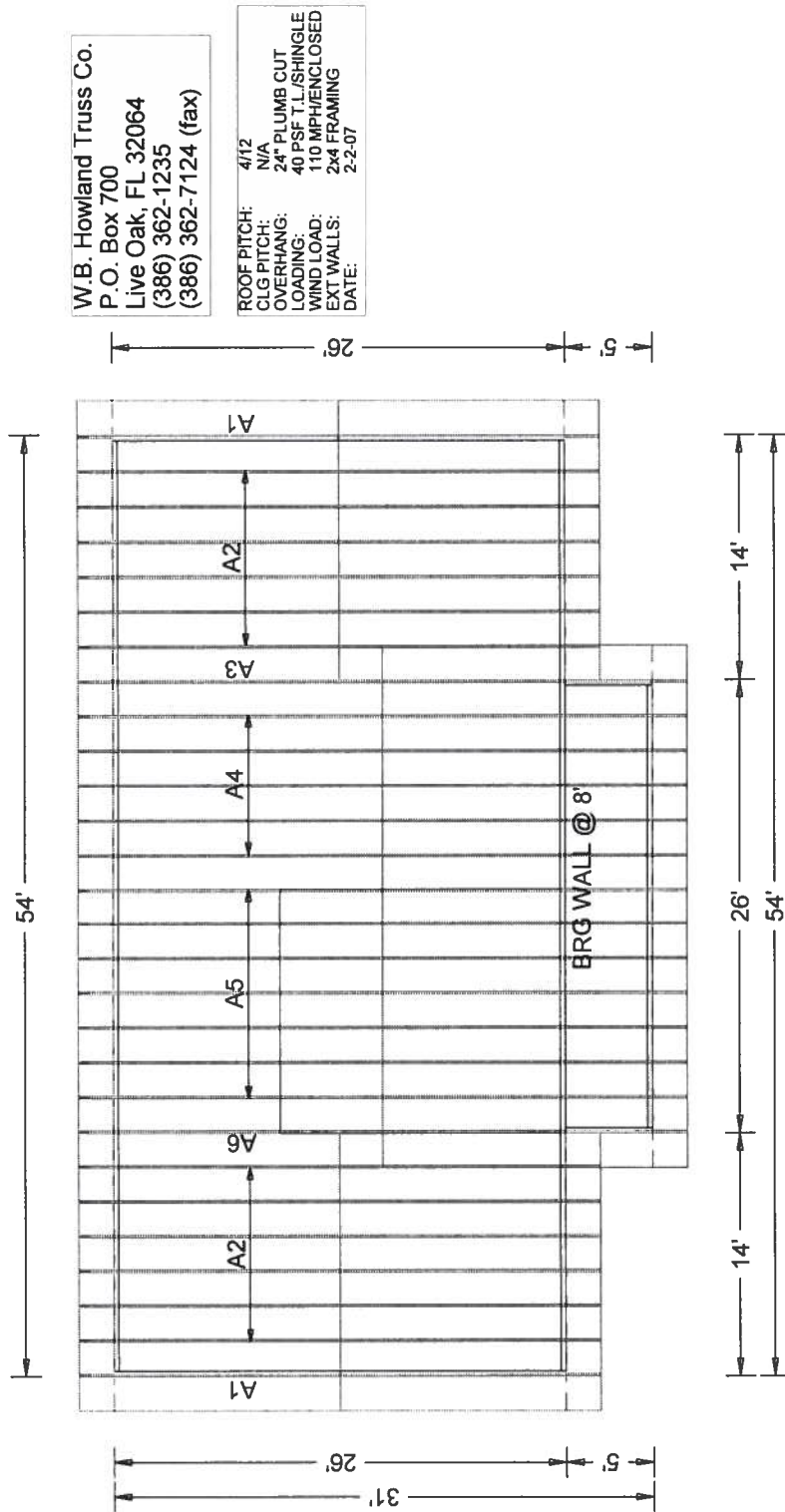
RECEIVED

FEB 09 2007

By: _____



FILE COPY



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 4/12
CLG PITCH: N/A
OVERHANG: 24" PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 2x4 FRAMING
DATE: 2-2-07

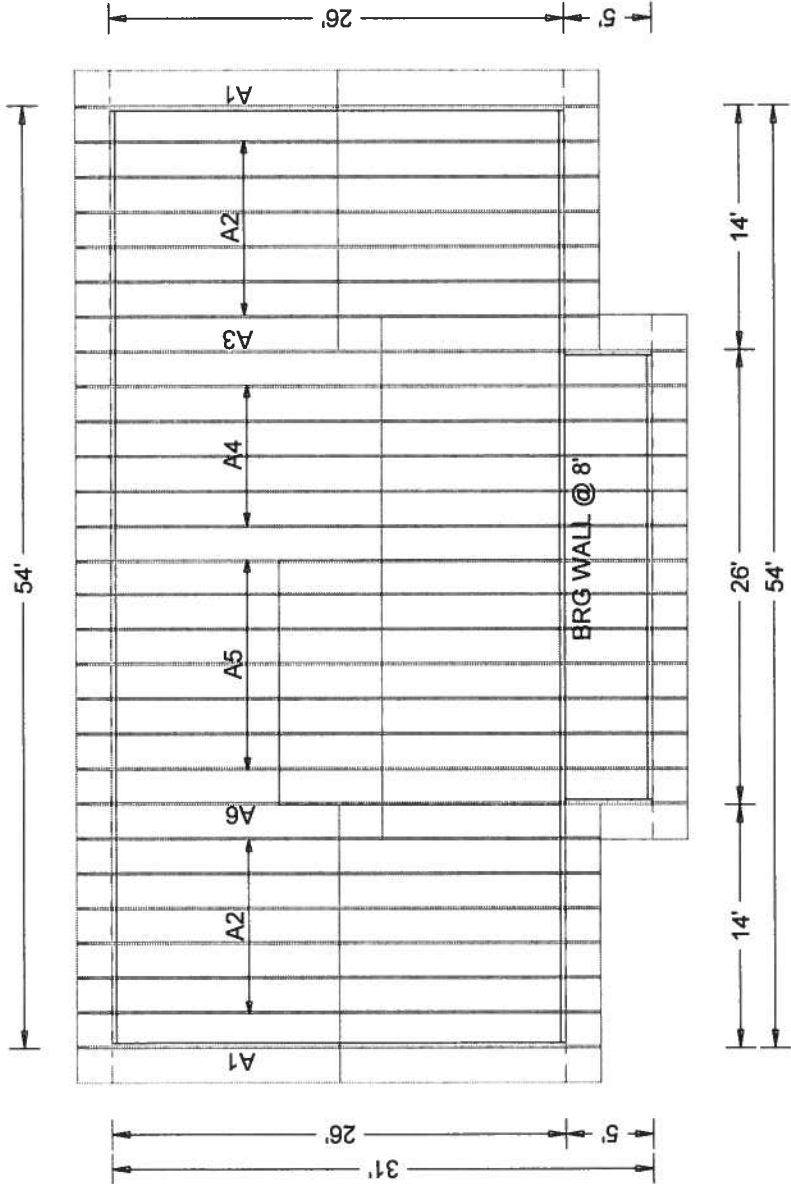
Job Name: WILLIAMS RESIDENCE
Customer: C&S CONSTRUCTION
Designer: Chris McCall

JOB NO:
4281

PAGE NO:
1 OF 1

W.B. Howland Truss Co.
 P.O. Box 700
 Live Oak, FL 32064
 (386) 362-1235
 (386) 362-7124 (fax)

ROOF PITCH: 4/12
 CLG PITCH: N/A
 OVERHANG: 24" PLUMB CUT
 LOADING: 40 PSF T.L./SHINGLE
 WIND LOAD: 110 MPH/ENCLOSED
 EXT WALLS: 2x4 FRAMING
 DATE: 2-2-07



ITW Building Components Group, 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: IT4J215-Z0302114736

Truss Fabricator: W.B. Howland
Job Identification: 4281-/WILLIAMS RESIDENCE /C&S CONSTRUCTION -- LAKE CITY, FL
Truss Count: 6
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Version 7.25.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -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: A11015EC-GBLLETIN-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	19201--A1		07033056	02/02/07
2	19202--A2		07033055	02/02/07
3	19203--A3		07033060	02/02/07
4	19204--A4		07033057	02/02/07
5	19205--A5		07033058	02/02/07
6	19206--A6		07033059	02/02/07



Seal Date: 02/02/2007

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



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

110 mph wind, 15.00 ft mean htg, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

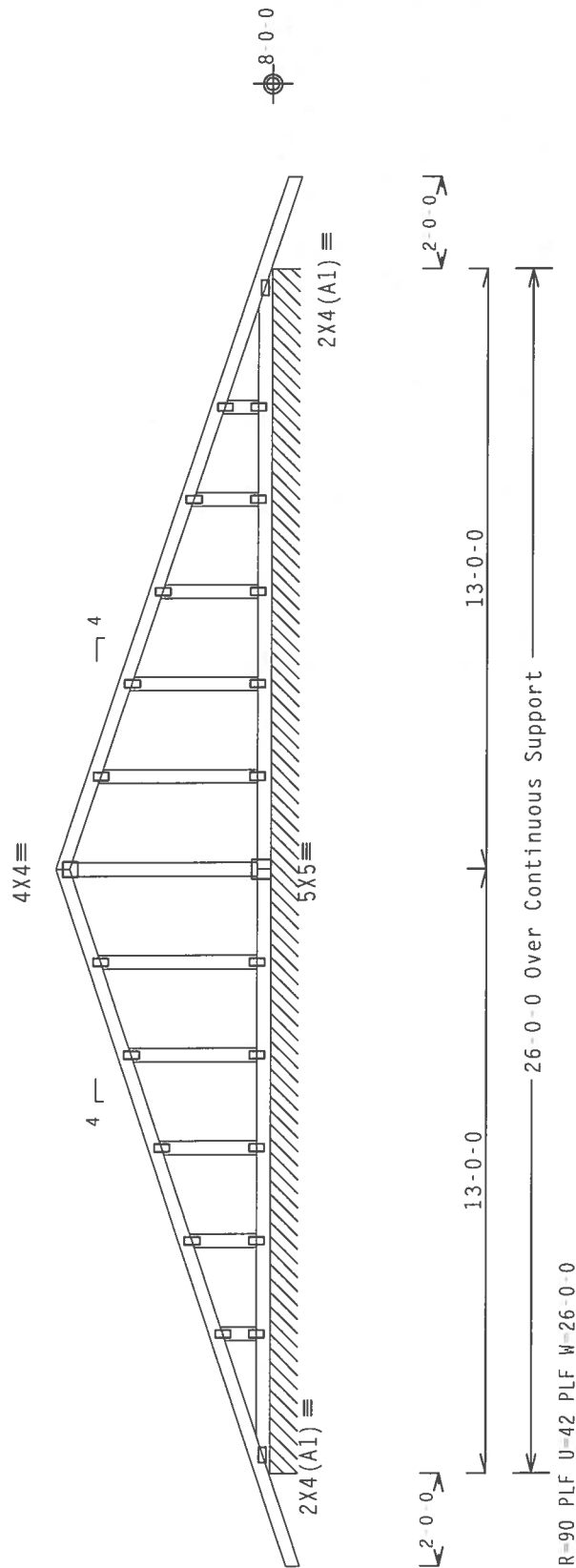
Plates sized for a minimum of 3.00 sq.in./piece.

See DWGS A11015EC1106 & GBLLETIN1106 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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 4-7-15.



Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)/FBC

7.25.0502

OTY:1 E1 / - / 5 / - / - / R / -

Scale = 25"/Ft

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RESISTING CONSTRUCTION SAFETY INFORMATION, PUBLISHED BY THE CRUSS PLATE INSTITUTE, 2108 E. CHURCH STREET, CHICAGO, ILL. 60604-7901, FOR SAFE PRACTICES PRIOR TO PROCEEDING WITH THIS PROJECT.
ENTERPRISE LINE, MAIL STOP #1, 53719, FOR SAFETY PRACTICES PRIOR TO PROCEEDING WITH THIS PROJECT. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R215	19201
TC DL	10.0	PSF	DATE	02/02/07	
BC DL	10.0	PSF	DRW	HCUR215	07033056
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0	PSF	SEQN-	162951	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T40215	Z03



TW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #

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 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

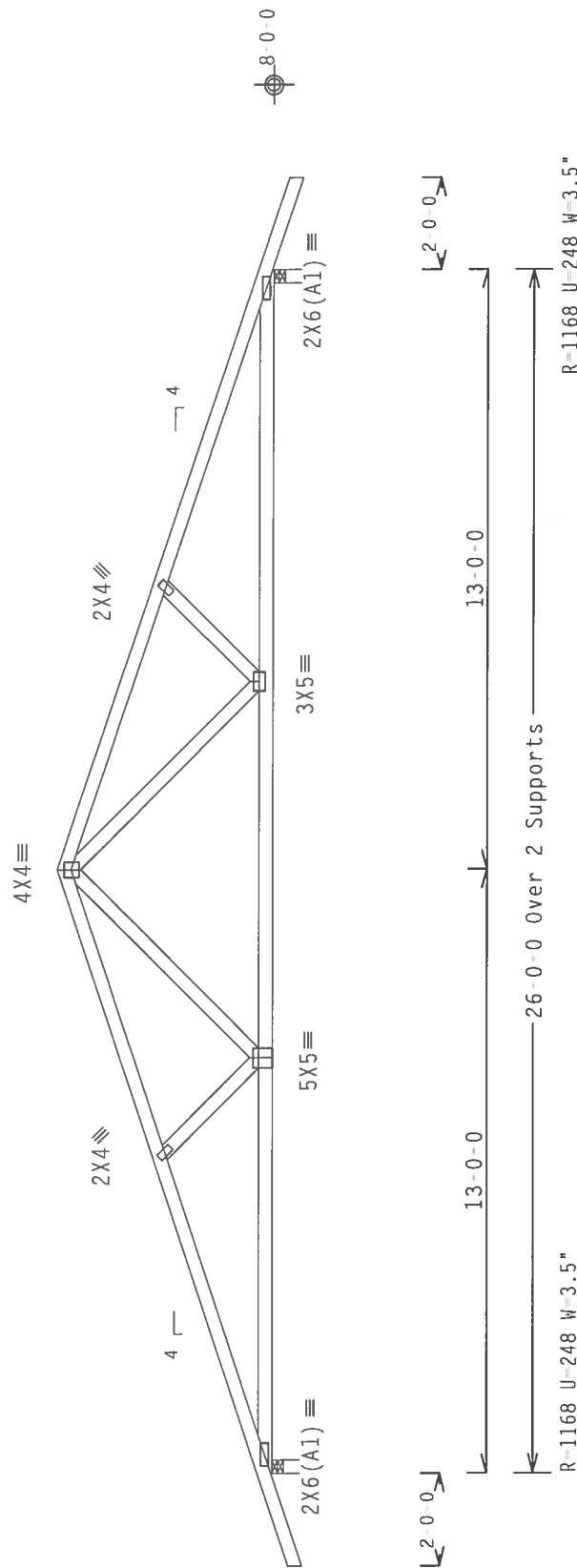
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

The overall height of this truss excluding overhang is 4'-7-15".

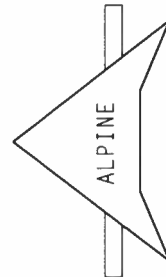


PLT TYP. Wave TPI\IR

Design Crit: TPI-1995(STD)/FBC

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

Scale = 25"/Ft.

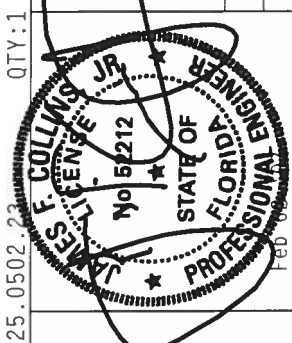


TW Building Components Group, Inc.
Haines City, FL 33844

FL. Certificate of Authorization # 567

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION. DESIGNED BY: (RUSS PLATE INSTITUTE, 718 HOLMES STREET, SUITE 312, ALEXANDRIA, VA 22304) TRUSS COUNCIL OF AMERICA, 6300 OVERTON ROAD, SUITE 150, CHICAGO, IL 60631. THESE TRUSSES ARE DESIGNED TO BE USED WITH THE FOLLOWING OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENT GROUP, CANNOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE TO THE FOLLOWING DESIGN SPEC. BY ANYONE AND THE ALPINE TRUSS COMPANY WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR CONNECTOR PLATES. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF 1911-2002 SEC 3. A SEAL ON THIS DRAWING, INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN A3 SEC. 2.



TC LL	20.0	PSF	REF	R215 - -	19202
TC DL	10.0	PSF	DATE	02/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07033055
BC LL	0.0	PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0	PSF	SEQN-	162955	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	174J215	Z03

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

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

The overall height of this truss excluding overhang is 5-5-15.

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.

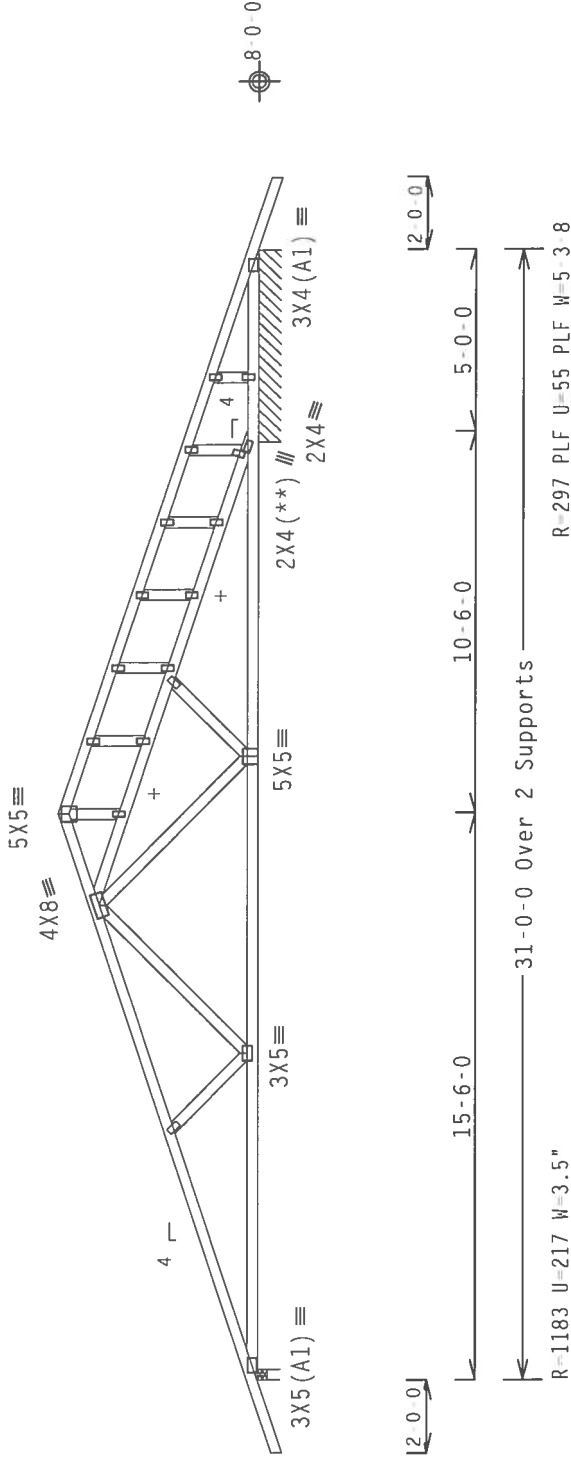
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

SEE DWGS A1015EC0405, GBLBRSTD1106, & GBLLETIM1106 FOR ADDITIONAL REQUIREMENTS.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave TPI\

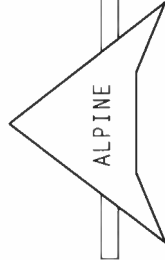
Design Crit: TPI-1995(STD)/FBC

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

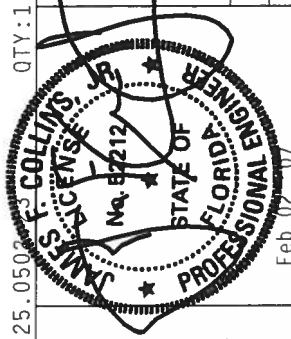
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 530 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 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. ITM BUILDING COMPONENTS GROUP, 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 AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/18/18GA (IN-17/55K) ASTM A653 GRADE 40/60 (IN-17/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 160B, 2, 160C, 2, 160D, 2, 160E, 2, 160F, 2, 160G, 2, 160H, 2, 160I, 2, 160J, 2, 160K, 2, 160L, 2, 160M, 2, 160N, 2, 160O, 2, 160P, 2, 160Q, 2, 160R, 2, 160S, 2, 160T, 2, 160U, 2, 160V, 2, 160W, 2, 160X, 2, 160Y, 2, 160Z, 2. 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 DESIGNER PER AISI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R215 - 19203
DATE	02/02/07
DRW	HCUSR215 07033060
HC-ENG	EC/WHK
SEQN	147743
FROM	CDM
JREF	1T4J215_Z03

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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

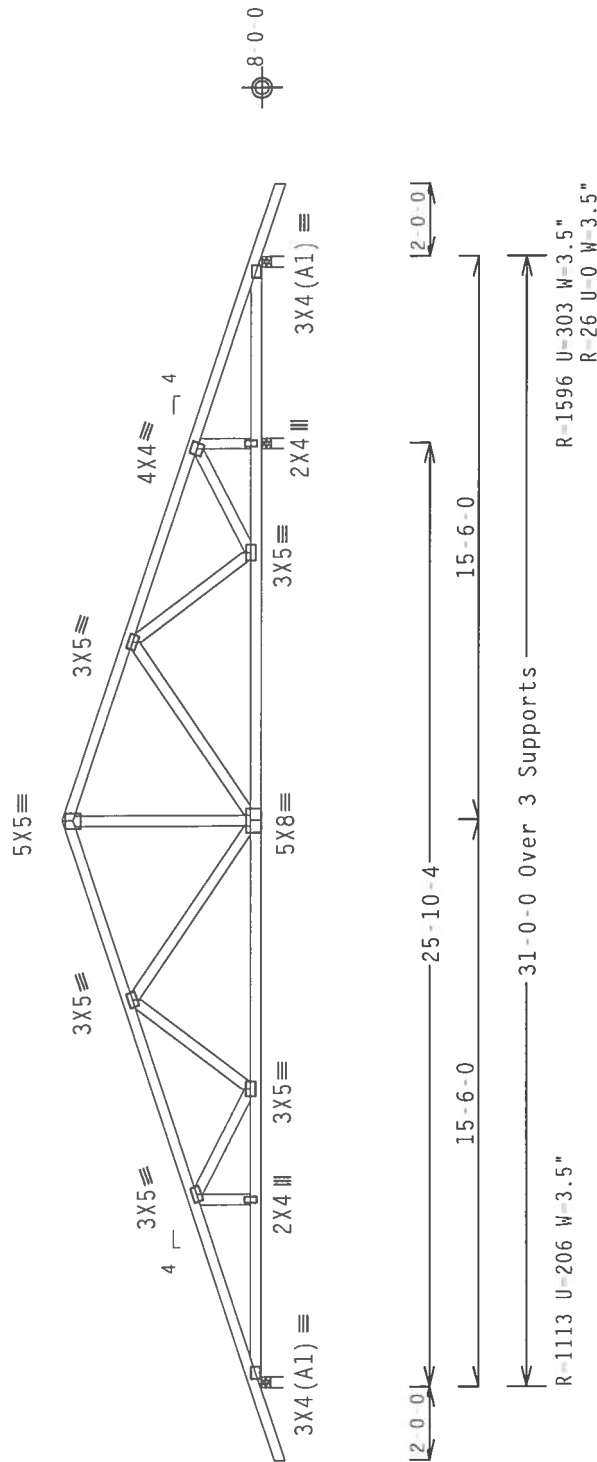
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

The overall height of this truss excluding overhang is 5.5-15.



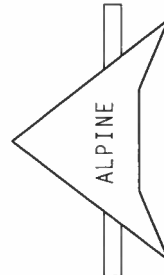
PLT_TYP.: Wave TPI\IR

Design Crit: TPI-1995(STD)/FBC

7-25-0502

QTY:1 FI / - / 5 / - / - / R / -

Scale = 1875"/ft



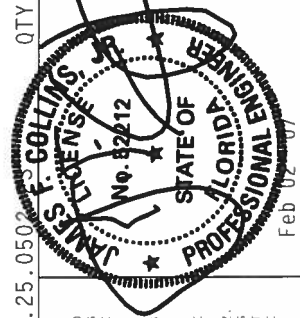
TW Building Components Group, Inc.
Haines City, FL 33844

FL. Certificate of Authorization # 567

*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE TRUSSING COMPONENT SAFETY INFORMATION. AND TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND AISC 16000 TRUSSING COMMITTEE OF AMERICA, 6300 WILLOW LANE, SUITE 100, FARMINGTON, CT 06030. TRUSSES MUST BE PROPERLY ATTACHED TO THE CHORDS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHANG.

*****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

THE FOLLOWING INFORMATION IS REQUIRED TO BE SUBMITTED TO THE MANUFACTURER OF EACH PLATE AND ALL CONNECTOR PLATES ARE MADE OF 20/180HSLA/60K/AS/SPR. NOMINAL MESH GRADE 40/60. 40/60-40/60-40/60-40/60-ALUMINE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP11 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SUPERVISION SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER/TP1 1 SEC. 2.

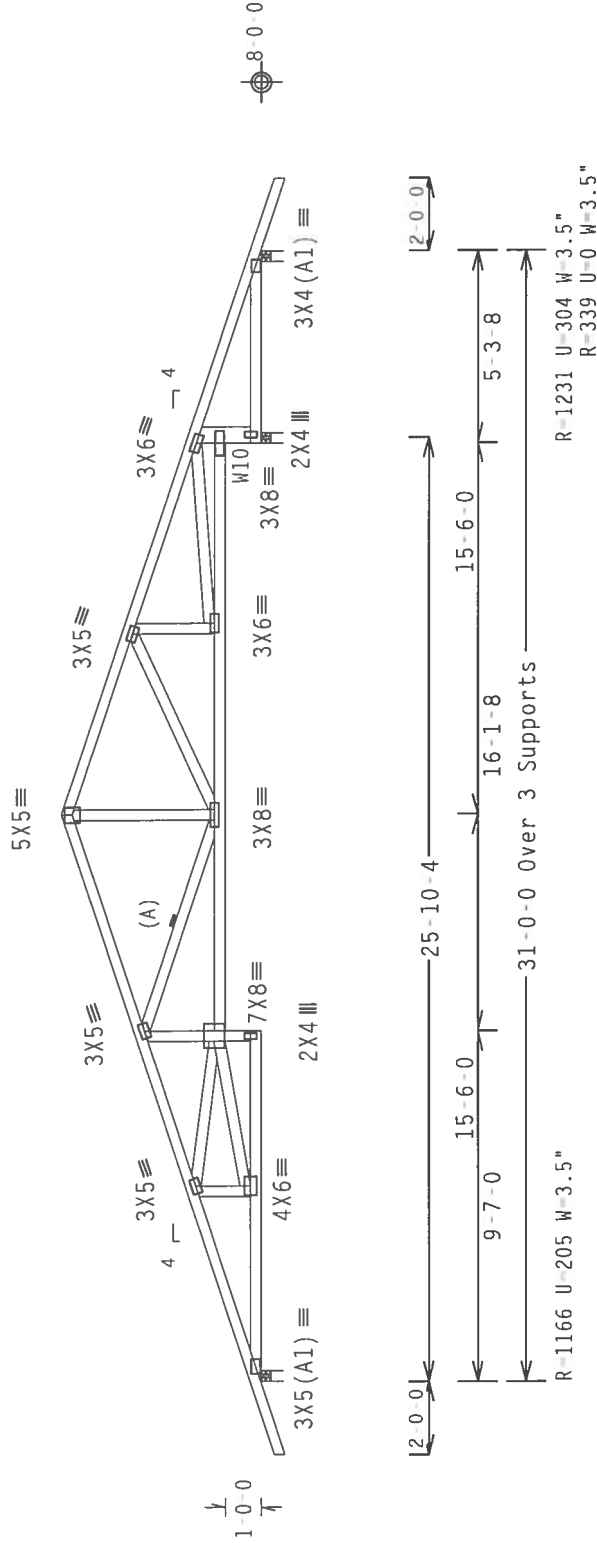


IC LL	20.0	PSF	REF	R215 -	19204
TC DL	10.0	PSF	DATE	02/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07033057
BC LL	0.0	PSF	HC-ENG	EC/JWHK	
TOT.LD.	40.0	PSF	SEQN-	147748	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T4J215	Z03

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W10 2x6 SP #2 N:
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Roof overhang supports 2.00 psf soffit load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.
The overall height of this truss excluding overhang is 5-5-15.



PLT TYP. Wave TPI\

Design Crit: TPI-1995(STD)/FBC

7.25.0502.23

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

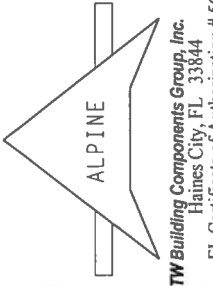
Scale =.1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH IPT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 2010/1666 (2010/1666) ASTM A653 GRADE 40/60 (IN. K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. 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 DESIGNER PER ANSI/IPT 1 SEC. 2.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R215--	19205
DATE	02/02/07	
DRW	HCUSR215	07033058
HC-ENG	EC/WHK	
SEQN-	147753	
FROM	CDM	
JREF-	IT4J215	Z03



110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

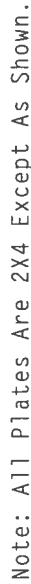
Roof overhang supports 2.00 psf soffit load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The overall height of this truss excluding overhang is 5'-5-15".

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.

SEE DWGS A11015EC0405, GBLBRSTD1106, & GBLLETIN1106 FOR
ADDITIONAL REQUIREMENTS.

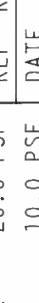


Design Crit: TPI - 1995(STD)/FRC

7.25.0502

FL/-/5/-/-/R/-

Scale = .1875"/Ft.



ALPINE

TW Building Components Group, Inc.
 Gaines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSSING PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADISON, NJ 07619) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED LOP 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. ITH BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR EXPLANATION FROM THE DESIGNER OF THE TRUSSING PLATE INSTITUTE'S CONFORMANCE WITH ANY OF THE FOLLOWING: FABRICATION, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/J/SS/K) ASTM A653 GRADE 40/60 (H, K/H/SS) GALV. STEEL. APPLICABLE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z. A SEAL ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 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 DESIGNER PER ANSI/TPI 1 SEC. 2.

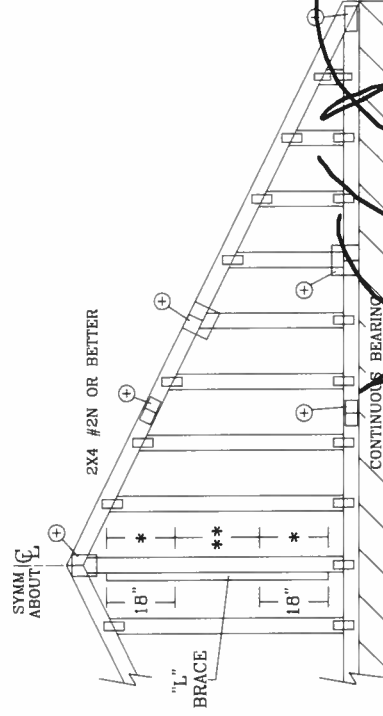
Feb 02 '07

MAX GABLE VERTICAL LENGTH																											
2x4 GABLE VERTICAL SPACING			BRACE		NO BRACES		(1) 1x4 "L" BRACE •								(2) 2x4 "L" BRACE ••				(1) 2x6 "L" BRACE •		(2) 2x6 "L" BRACE ••						
			GRADE	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	GROUP A	GROUP B							
O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	24" O.C.	HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
	SP	STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"		#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	
		DFL	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"		14' 0"	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD		4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	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"	16" O.C.	DFL	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	SP	#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"		
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"		14' 0"	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	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"	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	
			STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	12' 10"	12' 10"		14' 0"	14' 0"	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	
	12" O.C.	SP	#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"		14' 0"	#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	
STUD			5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"				

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



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INSTRUCTIONS, (BUBLED IN) SHED BUILT TRUSSING PLATE AMERICAN 2618 ENTERPRISE, INC., WADSWORTH, IL 60179, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. 63018 ENTERPRISE, INC., WADSWORTH, IL 60179, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CING.

WE/OUR COMPANY SHALL FURNISH A COPY OF THIS DESIGN TO ANY INSTALLATION CONTRACTOR, ALPINE ENGINEERS, PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE OF THE BUILDING TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/SHSS) ASTM A653 GRADE 40/60 (W/40/SHSS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY CD 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 DESIGNER, PER ANSI/TPI 1 SEC.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

REF	ASCE7-98-CAB11015
DATE	11/1/06
DRWG	A11015EC1106
-ENG	

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.

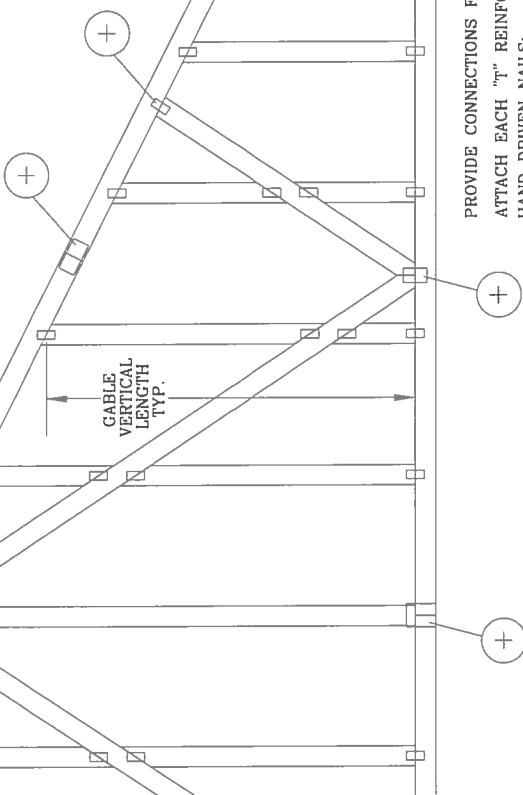
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH

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

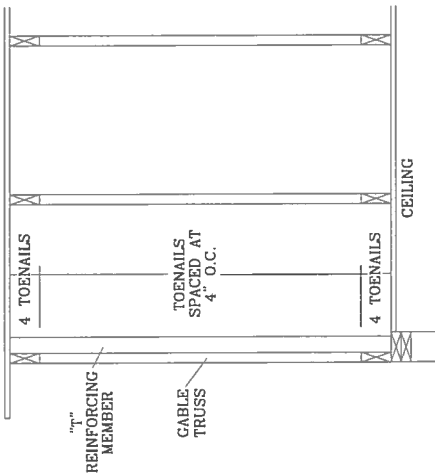
+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATES

GABLE DETAIL FOR LET-IN VERTICALS

SYM. C
ABOUT



RIGID SHEATHING

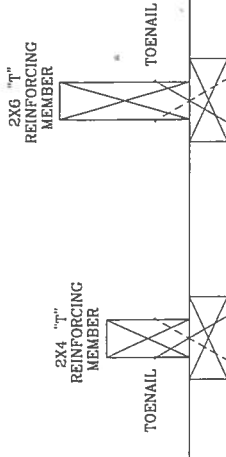


GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X8	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2.5X4	2.5X8	

(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 2X4 2X8



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"

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" 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

A11015ENI103, A10015ENI103, A09015ENI103, A08015ENI103, A07015ENI103

A11030ENI103, 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.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS) COUNCIL OF INSTITUTIONS, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314, AND VICA (WOOD TRUSS) COUNCIL OF INSTITUTIONS, 1000 WEST 10TH AVE., SUITE 100, DENVER, CO 80202. THESE TRUSSES ARE DESIGNED TO BE USED IN CONFORMANCE WITH THE SPECIFICATIONS OF THE TPI AND VICA TRUSS MANUFACTURERS. TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS 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 DEVIATING FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR 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 C/H/SS/X0 ASTM A653 GRADE 40/60 C/H/SS2 GALV. STEEL. TOP AND BOTTOM CHORDS ARE NOT TO BE USED FOR ANY OTHER PURPOSE. THIS SHALL BE PER ANNEX A3 OF TPI I-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 DESIGNER, PER ANSI/TPI 1 SEC. 2.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLETTIN1106
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

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:

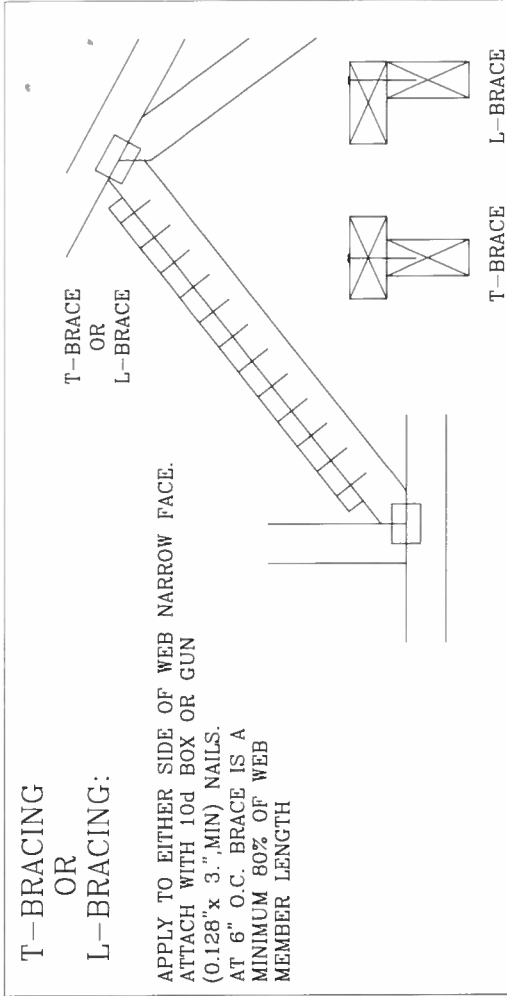
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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.

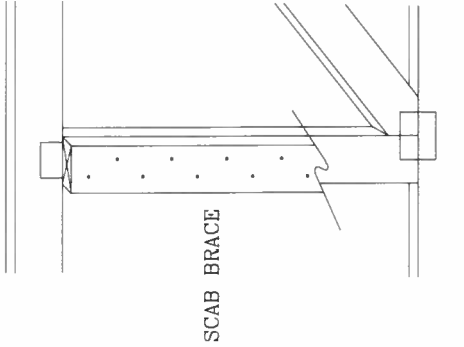
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



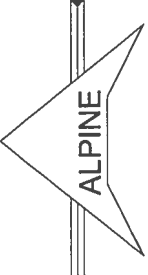
APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

 ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA	PSF	REF	CLB SUBST.
	PSF	DATE	11/1/06
	PSF	DRWG	BRLCBSUB1106
	PSF	-ENG	MLH/KAR
	PSF		
JAMES E. COLLINS, JR. LICENSED PROFESSIONAL ENGINEER No. 52212 STATE OF FLORIDA Feb 02 07			
THIS DRAWING REPLACES DRAWING 579,640			

FLORIDA DEPARTMENT OF Community Affairs



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Product Approval
USER: Public User

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COMMUNITY PLANNING

HOUSING & COMMUNITY DEVELOPMENT

EMERGENCY MANAGEMENT

OFFICE OF THE SECRETARY

Search Criteria

Code Version	2004	FL#	ALL
Application Type	ALL	Product Manufacturer	MI Windo
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL

Search Results - Applications

Go to Page

FL#	Type	Manufacturer	Validat
FL5100	New	MI Windows and Doors Category: Windows Subcategory: Fixed	
FL5104	New	MI Windows and Doors Category: Windows Subcategory: Double Hung	
FL5108	New	MI Windows and Doors Category: Windows Subcategory: Single Hung	
FL5418	New	MI Windows and Doors Category: Windows Subcategory: Fixed	
FL5438	New	MI Windows and Doors Category: Windows Subcategory: Single Hung	
FL5447	New	MI Windows and Doors Category: Windows Subcategory: Double Hung	
FL5451	New	MI Windows and Doors Category: Windows Subcategory: Horizontal Slider	
FL5483-R1 History	Revision	MI Windows and Doors Category: Exterior Doors Subcategory: Sliding Exterior Door Assemblies	
FL5513	New	MI Windows and Doors Category: Windows	Steven

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		Subcategory: Mullions	(717) 7
FL6023	New	MI Windows and Doors Category: Windows Subcategory: Casement	
FL6024	New	MI Windows and Doors Category: Windows Subcategory: Horizontal Slider	
FL6028	New	MI Windows and Doors Category: Windows Subcategory: Fixed	
FL6029	New	MI Windows and Doors Category: Windows Subcategory: Single Hung	
FL6489	New	MI Windows and Doors Category: Windows Subcategory: Mullions	Steven (717) 7
FL6499	New	MI Windows and Doors Category: Windows Subcategory: Single Hung	
FL6501	New	MI Windows and Doors Category: Windows Subcategory: Double Hung	
FL6502	New	MI Windows and Doors Category: Windows Subcategory: Horizontal Slider	
FL6503	New	MI Windows and Doors Category: Windows Subcategory: Fixed	
FL6679	New	MI Windows and Doors Category: Windows Subcategory: Fixed	
Go to Page 60 GO			

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:



FLORIDA DEPARTMENT OF Community Affairs



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 Application List

COMMUNITY PLANNING

HOUSING & COMMUNITY DEVELOPMENT

EMERGENCY MANAGEMENT

OFFICE OF THE SECRETARY

Search Criteria

Code Version	2004	FL#	ALL
Application Type	ALL	Product Manufacturer	Masonit
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL

Search Results - Applications

FL#	Type	Manufacturer	Validated By
FL4242-R1 History	Revision	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL4334-R1 History	Revision	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL4668-R1 History	Revision	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL4904	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL4940	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL5114	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
FL5465	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door	

		Assemblies	
<u>FL5507</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL5508</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL6015</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL6506-R1</u> <u>History</u>	Revision	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL6509</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL7050</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	
<u>FL7091</u>	New	Masonite International Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	

DCA Administration

**Department of Community Affairs
Florida Building Code Online
Codes and Standards**

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

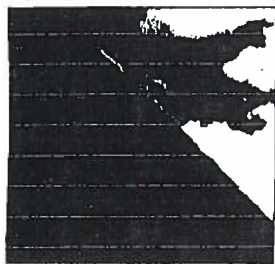
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Product Approval Accepts:

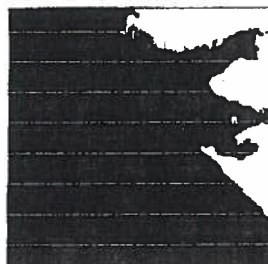




ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13 1/4" x 39 3/4"
Exposure	6 1/2"
Pieces/Bundle	16
Bundles/Square	4/98.6 sq.ft.
Squares/Pallet	11

50-year limited warranty period; non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Raised Profile

Product size	13 1/4" x 38 1/4"
Exposure	6 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period; non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Prestique I *High Definition*

Product size	13 1/4" x 39 3/4"
Exposure	5 1/2"
Pieces/Bundle	16
Bundles/Square	4/98.6 sq.ft.
Squares/Pallet	14

40-year limited warranty period; non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6 1/2"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique *High Definition*

Product size	13 1/4" x 38 3/4"
Exposure	6 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period; non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheradwood, Shakeswood, Sablewood, Hickory, Barkwood™, Forest Green, Wedgewood™, Birchwood™, Sandalwood, Gallery Collection: Balkam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in SteinGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.
**Check for product availability.

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SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 8" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

...tough and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

...allowed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

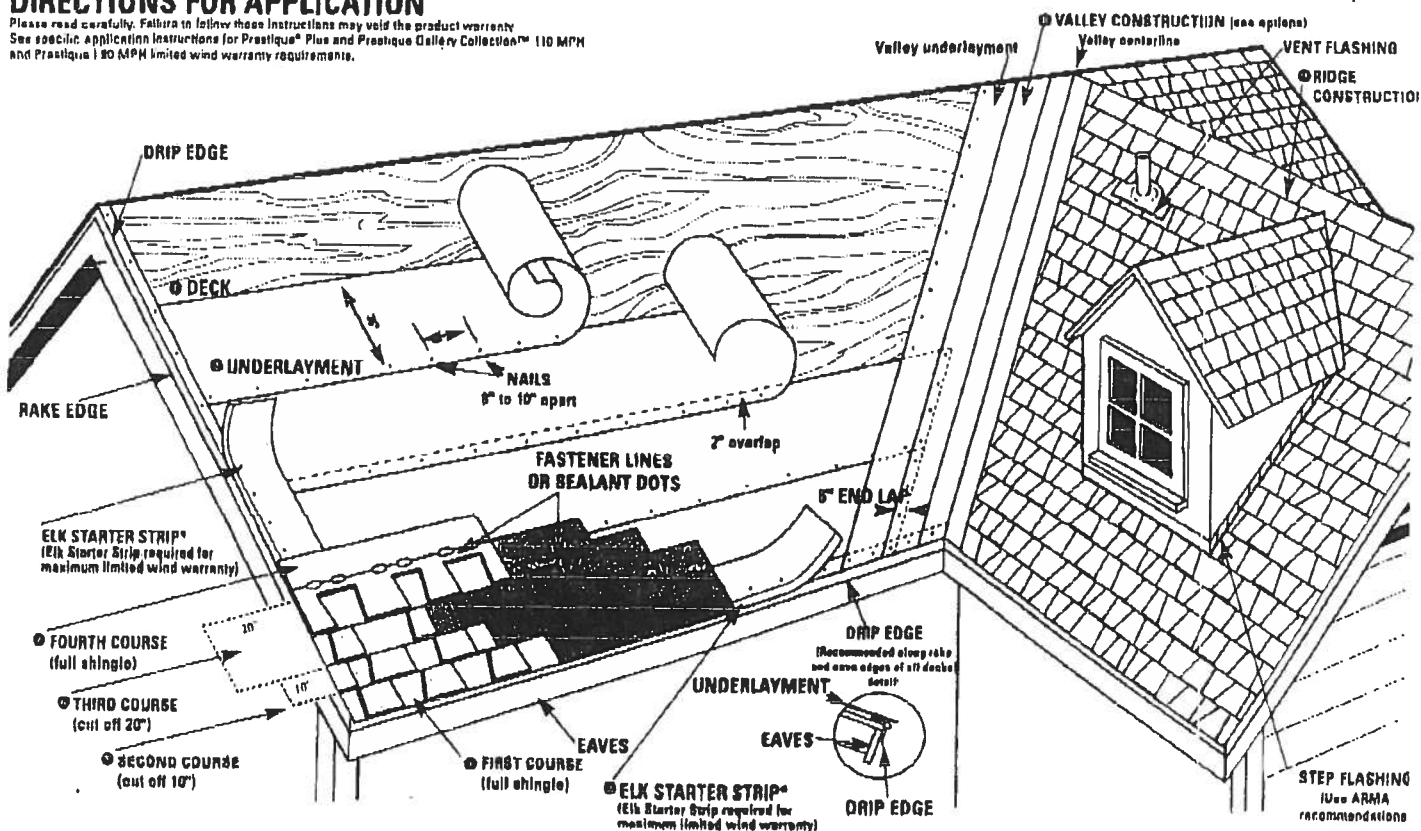
ELK 
www.elkcorp.com

SSCOT 01 02

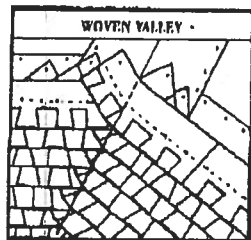
TUSCALOOSA, AL

DIRECTIONS FOR APPLICATION

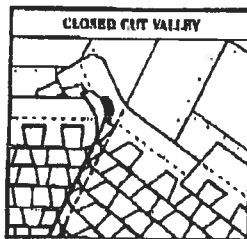
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ (110 MPH and Prestique® 30 MPH limited wind warranty requirements).



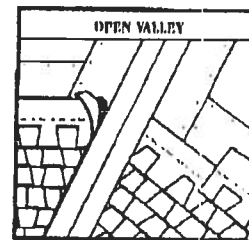
⑥ VALLEY CONSTRUCTION OPTION (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All edges should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

① DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

② UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 18". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhering membrane and

③ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

④ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

⑤ RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula FLX® (See ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

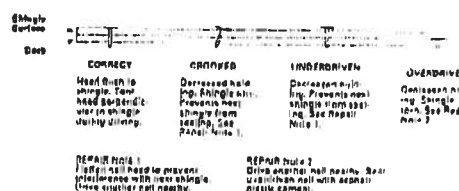
Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/8" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 18-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and an air-seal problem.

**HELP STOP BLOW-OFFS AND CALL-BACKS**

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along - and through - the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new.

flashing membrane

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two piles of underlayment from the eave edge up roof to a point at least 24" beyond the field wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

④ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

⑤ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

⑥ SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

⑦ THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

approximately 1/2" from each side edge.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 50° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

• For a Limited Wind Warranty, all Prestique and Retzged Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.

• For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 8 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

Construction

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. **DO NOT DOUBLE STACK.** Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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ELK 

www.elkcorp.com

Notice of Treatment 12445

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE WYVA AVE

City LAKE CITY Phone 752-1703

Site Location: Subdivision C+S Coast

Lot # _____ Block# _____ Permit # 25509

Address 1452 NE Washington St. / P

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☒ Bora Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>Dr. allways</u>	_____	<u>400</u>	<u>5 gals</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

3-29-07
Date

9:20
Time

F299 Dan
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



CLERK OF THE COURT

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 33-3S-17-06341-000

Building permit No. 000025509

Use Classification SFD/UTILITY

Fire: 27.90

Permit Holder JAMES R. COX

Waste: 83.75

Owner of Building EVA L. WILLIAMS

Total: 111.65

Location: 1452 NE WASHINGTON STREET, LAKE CITY, FL

Date: 05/07/2007



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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Location. 1452 NE WASHINGTON STREET, LAKE CITY, FL

Date: 05/10/2007



Building Inspector

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(Business Places Only)