DATE 03/14/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025620

APPLICANT SAMMY KEEN PHONE 386.365.3646

ADDRESS 764 SW RIVERSIDE AVENUE FT. WHITE FL 32038

OWNER BAYNARD & JUDY WARD PHONE 386.752.5454

ADDRESS 350 SW MOSSY OAK WAY LAKE CITY FL 32024

CONTRACTOR GUY WILLIAMS PHONE 386.365.3646

LOCATION OF PROPERTY 90-W TO HUNTER RIDGE S.D,TL GO AROUND CURVE,LOT ON R ON MOSSY OAKWAY, LOOK FOR SLK SIGN.

TYPE DEVELOPMENT SHOP ESTIMATED COST OF CONSTRUCTION 60000.00

HEATED FLOOR AREA _____ TOTAL AREA 1103.00 HEIGHT 16.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB

LAND USE & ZONING PRRD MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 1 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 25-3S-15-00220-116 SUBDIVISION HUNTER RIDGE

LOT 16 BLOCK _____ PHASE _____ UNIT 0 TOTAL ACRES 3.08

		CBC050690		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	07-00156N	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: SFD PERMIT 24533

Check # or Cash 9352

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by Foundation _____ date/app. by Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by Slab _____ date/app. by Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by Heat & Air Duct _____ date/app. by Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by C.O. Final _____ date/app. by Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by Pool _____ date/app. by

Reconnection _____ date/app. by Pump pole _____ date/app. by Utility Pole _____ date/app. by

M/H Pole _____ date/app. by Travel Trailer _____ date/app. by Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 300.00 CERTIFICATION FEE $ 5.51 SURCHARGE FEE $ 5.51

MISC. FEES $ 0.00 ZONING CERT. FEE $ _____ FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ _____ CULVERT FEE $ _____ **TOTAL FEE** 311.02

INSPECTORS OFFICE _____ CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

24533

For Office Use Only Application # 0702-60 Date Received 2/21 By JW Permit # 25620

Application Approved by - Zoning Official BLK Date 14.03.07 Plans Examiner OK JTH Date 3-2-07

Flood Zone X Pplat Development Permit N/A Zoning PRRD Land Use Plan Map Category A-3

Comments Site plan forth-coming - EN Health. - NOC -

Applicants Name SLK Construction Inc. Phone 386 365 3646

Address 764 SW Riverside Av Ft White FL 32038

Owners Name Banard + Judy Ward Phone 386 752 5454

911 Address 350 SW Mossy Oak way LC FL 32024

Contractors Name SLK Construction Inc. Phone 386 365 3646

Address 764 SW Riverside Av. Ft White FLA.

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Bailey Bishop + Lane Inc.

Mortgage Lenders Name & Address First Federal

Property ID Number 25 3S 15-00220-116 Estimated Cost of Construction 60 000.00

Subdivision Name Hunters Ridge Lot 16 Block ___ Unit ___ Phase ___

Driving Directions 90 West to old Mayo Rd Left to Hunters Ridge Sign Left down 7/10 of mile 1st House on Right. this is for Pool House

Type of Construction Frame Brick - SHOP Number of Existing Dwellings on Property 1

Total Acreage 3.08 Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 140' Side 150' Side 35' Rear 320'

Total Building Height 15 5 1/2 Number of Stories 1 Heated Floor Area 500 TOTAL 1,103 Roof Pitch 10/12

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.

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 COMMENCMENT 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.

[signature]

Owner Builder or Agent (Including Contractor)

Guy Williams
SLK Construction Inc.

Contractor Signature

Contractors License Number CBC050690

Competency Card Number ___

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 21 day of Feb 2007.

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Personally known ✓ or Produced Identification ___

[signature]

Notary Signature

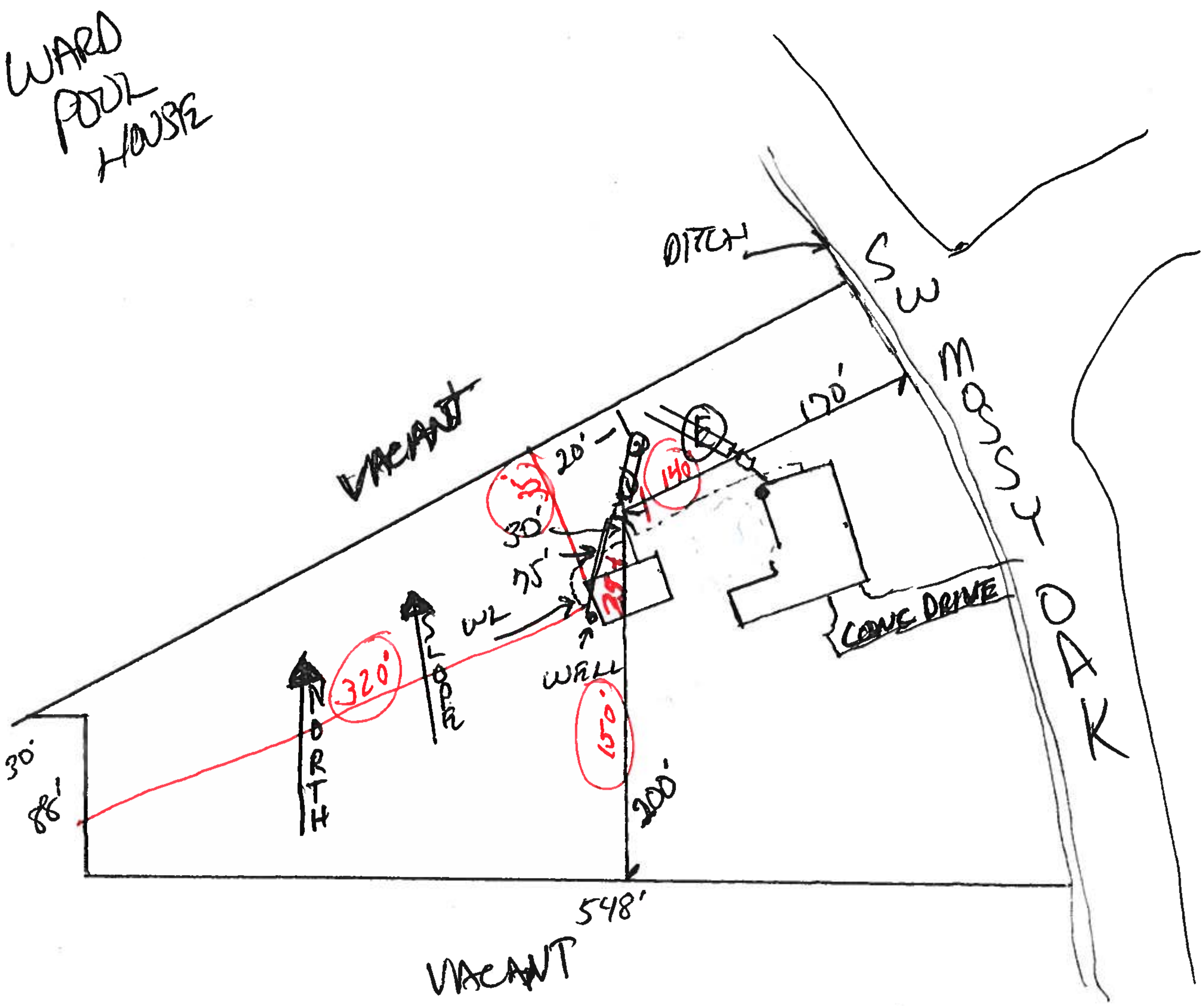
```
@ CAM112M01     S  CamaUSA Appraisal System                        Columbia County
 2/21/2007 12:55   Legal Description Maintenance              44660  Land   001  *
Year T Property                             Sel                      AG     000
2007 R 25-3S-15-00220-116 ................ ... ..                    Bldg   000
                                                                     Xfea   000
       WARD BAYNARD J & JUDY J                                44660  TOTAL      B

  1  LOT 16 HUNTER'S RIDGE S/D .....  WD 1009-2683.. CWD 1080-2112 ...     2
  3  ..............................  ..............................     4
  5  ..............................  ..............................     6
  7  ..............................  ..............................     8
  9  ..............................  ..............................    10
 11  ..............................  ..............................    12
 13  ..............................  ..............................    14
 15  ..............................  ..............................    16
 17  ..............................  ..............................    18
 19  ..............................  ..............................    20
 21  ..............................  ..............................    22
 23  ..............................  ..............................    24
 25  ..............................  ..............................    26
 27  ..............................  ..............................    28
                                                 Mnt  4/25/2006 THRESA
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-00156

PART II - SITEPLAN

Scale: 1 inch = ~~50~~ 100 feet.



Notes: ____

Site Plan submitted by: Rock D [signature]

MASTER CONTRACTOR

Plan Approved ✓ Not Approved______ Date 2-28-07

By Sallie Gradd ESII **Columbia CHD** County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FORM 600A-2004

EnergyGauge® 4.21

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Ward/pool house**	Builder:	**Glenn I. Jones, Inc.**
Address:		Permitting Office:	Columbia Co.
City, State:	,	Permit Number:	25620
Owner:	**ward/pool house**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 17.1 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	0	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	500 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 17.1 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.6) 30.0 ft²		HSPF: 7.70
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 60.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 90.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=11.0, 819.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 500.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH(Sealed): Interior	Sup. R=6.0, 37.0 ft		
b. N/A			

Glass/Floor Area: 0.12 Total as-built points: 12616 Total base points: 14123 **PASS**

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

PREPARED BY: Ken C. Wilder

DATE: 2-20-07

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.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.1

The higher the score, the more efficient the home.

ward/pool house, . . .

1.	New construction or existing	Addition	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	0	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	500 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description (Dble, U=0.6) Area 30.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 60.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 90.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=11.0, 819.0 ft²	
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 500.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 37.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 17.1 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 17.1 kBtu/hr HSPF: 7.70	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 40.0 gallons EF: 0.92	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

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 EnergyStar™ 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.

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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 cir 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: , , , PERMIT #:

BASE			AS-BUILT						
WATER HEATING									
Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
0	2635.00	7905.0	40.0	0.92	0	1.00	2635.00	1.00	7905.0
			As-Built Total:						**7905.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
2526	**3692**	**7905**	**14123**	**1665**	**3046**	**7905**	**12616**

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	500.0	12.74	1146.6	Double,U=0.61,Clear	S	1.5	6.0	30.0	6.22	1.12	208.6
				Double,U=0.61,Clear	E	1.5	6.0	30.0	11.68	1.04	362.9
				As-Built Total:				**60.0**			**571.5**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Exterior	819.0	3.70	3030.3	Frame, Wood, Exterior			11.0	819.0	3.70		3030.3
Adjacent	0.0	0.00	0.0								
Base Total:	**819.0**		**3030.3**	**As-Built Total:**				**819.0**			**3030.3**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Exterior	21.0	8.40	176.4	Exterior Wood				21.0	12.30		258.3
Adjacent	0.0	0.00	0.0								
Base Total:	**21.0**		**176.4**	**As-Built Total:**				**21.0**			**258.3**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points
Under Attic	500.0	2.05	1025.0	Under Attic			30.0	500.0	2.05 X 1.00		1025.0
Base Total:	**500.0**		**1025.0**	**As-Built Total:**				**500.0**			**1025.0**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	90.0(p)	8.9	801.0	Slab-On-Grade Edge Insulation			0.0	90.0(p)	18.80		1692.0
Raised	0.0	0.00	0.0								
Base Total:			**801.0**	**As-Built Total:**				**90.0**			**1692.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	500.0	-0.59	-295.0					500.0	-0.59		-295.0
Winter Base Points:			**5884.3**	**Winter As-Built Points:**							**6282.1**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points		
				(sys 1: Electric Heat Pump 17100 btuh ,EFF(7.7) Ducts:Unc(S),Con(R),Int(AH),R6.0							
5884.3	**0.6274**	**3691.8**		6282.1 **6282.1**	1.000 **1.00**	(1.060 x 1.169 x 0.88) **1.095**	0.443 **0.443**	1.000 **1.000**	3045.8 **3045.8**		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	500.0	20.04	1803.6	Double,U=0.61,Clear	S	1.5	6.0	30.0	37.01	0.86	950.7
				Double,U=0.61,Clear	E	1.5	6.0	30.0	43.20	0.91	1182.8
				As-Built Total:				**60.0**			**2133.6**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Exterior	819.0	1.70	1392.3	Frame, Wood, Exterior			11.0	819.0	1.70		1392.3
Adjacent	0.0	0.00	0.0								
Base Total:	**819.0**		**1392.3**	**As-Built Total:**				**819.0**			**1392.3**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Exterior	21.0	4.10	86.1	Exterior Wood				21.0	6.10		128.1
Adjacent	0.0	0.00	0.0								
Base Total:	**21.0**		**86.1**	**As-Built Total:**				**21.0**			**128.1**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	500.0	1.73	865.0	Under Attic			30.0	500.0	1.73 X 1.00		865.0
Base Total:	**500.0**		**865.0**	**As-Built Total:**				**500.0**			**865.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	90.0(p)	-37.0	-3330.0	Slab-On-Grade Edge Insulation			0.0	90.0(p)	-41.20		-3708.0
Raised	0.0	0.00	0.0								
Base Total:			**-3330.0**	**As-Built Total:**				**90.0**			**-3708.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	500.0	10.21	5105.0					500.0	10.21		5105.0
Summer Base Points:			**5922.0**	**Summer As-Built Points:**							**5915.9**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)		X System Multiplier	X Credit Multiplier	= Cooling Points	
				(sys 1: Central Unit 17100 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)							
5922.0	**0.4266**	**2526.3**		5916 **5915.9**	1.00 **1.00**	(1.08 x 1.147 x 0.86) **1.072**	0.263 **0.263**		1.000 **1.000**		1664.8 **1664.8**

CERTIFICATE OF 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 25-3S-15-00220-116 **Building permit No.** 000025620

Use Classification SHOP **Fire:** 0.00

Permit Holder GUY WILLIAMS **Waste:**

Owner of Building BAYNARD & JUDY WARD **Total:** 0.00

Location: 350 SW MOSSY OAK WAY, LAKE CITY, FL

Date: 08/02/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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
 Document ID:1T4V8228Z0214135912

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-058--SLK Construction WARD SHOP -- , **
Truss Count:	2
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.24.
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 7-02 -Closed

Notes:

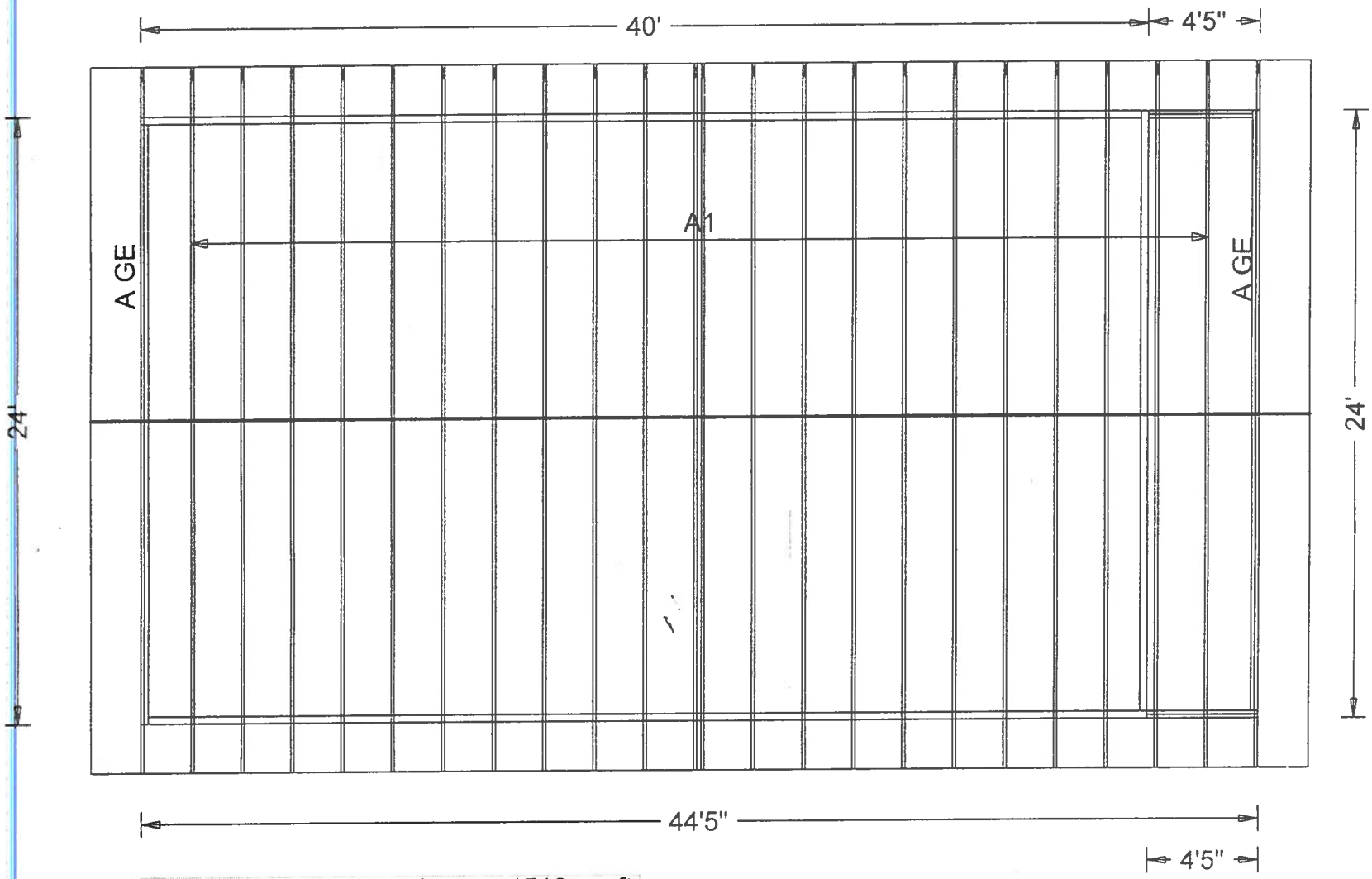
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: A11015EE-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	00215--A1		07045047	02/14/07
2	00216--A GE		07045048	02/14/07

Seal Date: 02/14/2007

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844



Roof Plane Sheathing Area = 1516 sq. ft
Gable Sheathing Area = 215 sq. ft
Total Sheathing Area = 1731 sq. ft
Fascia Material = 63 linear ft
Valley Flashing Material = 0 linear ft
Ridge Cap Material = 48 linear ft
Hip Ridge Material = 0 linear ft

SLK CONST. WARD SHOP
JOB#7-058 2/14/07 JFB

JOB DESCRIPTION:: SLK Construction
/: WARD SHOP

JOB NO:
7-058

PAGE NO
1 OF 1

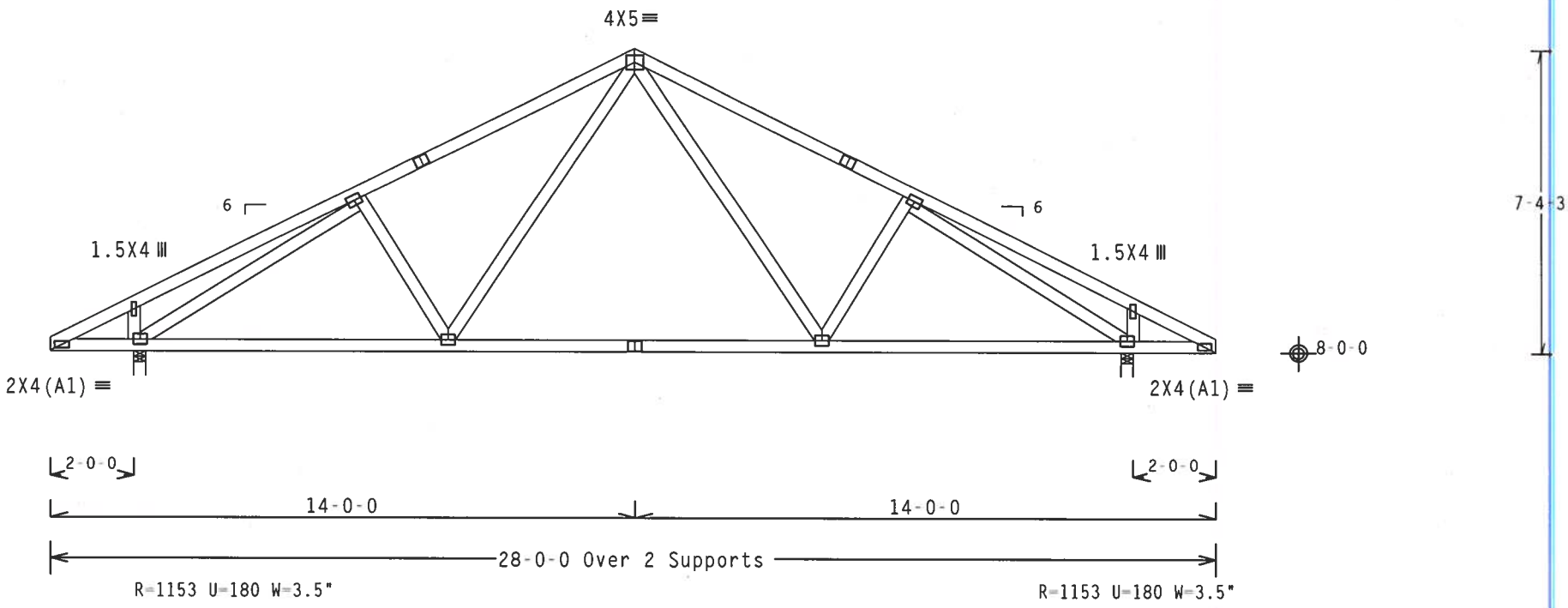
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, 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. Iw=1.00 GCpi(+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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 BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (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.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, 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. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASTM A653 GRADE 40/60 (W. K/H.SS) 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 (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.

ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb [illegible] '07

TC LL	20.0 PSF	REF	R8228- 215
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045047
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	20431
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228202

(7-058--SLK Construction WARD SHOP -- , ** - A GE)

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

Wind reactions based on MWFRS pressures.

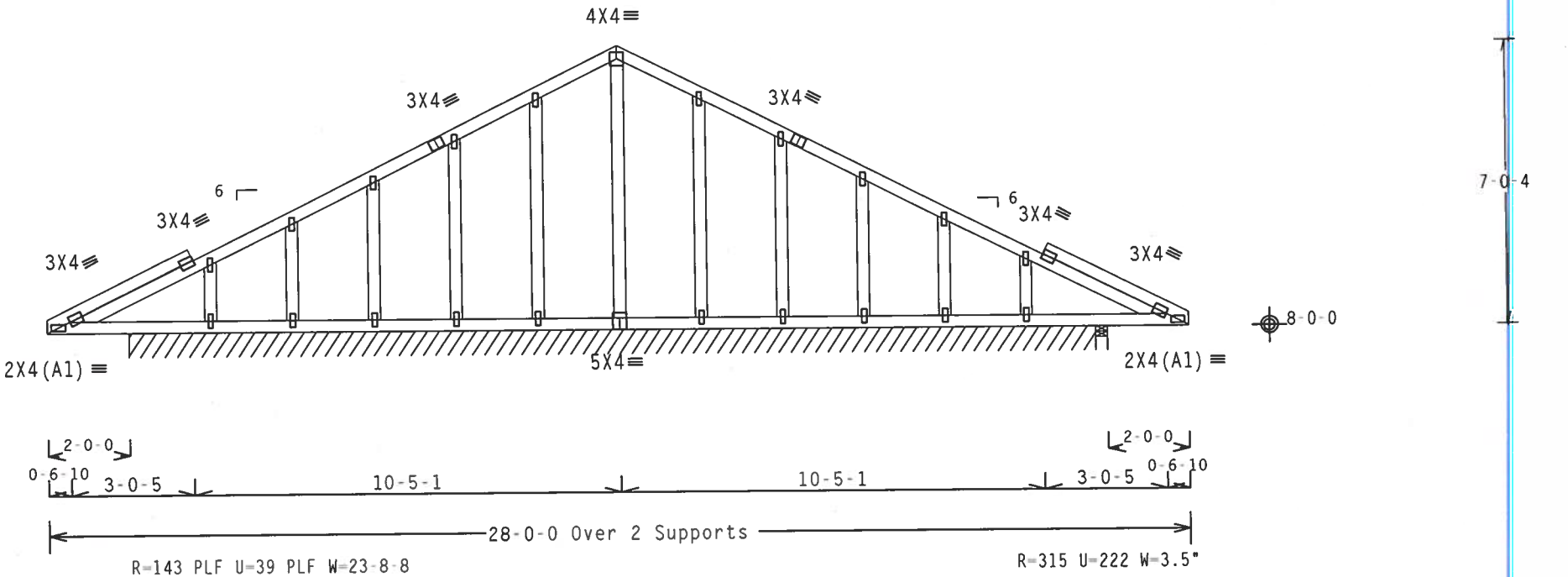
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, 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. Iw=1.00 GCpi(+/-)=0.18

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

PLT TYP. Wave

ALPINE

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (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.

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Feb 14 '07

TC LL	20.0 PSF	REF	R8228- 216
TC DL	10.0 PSF	DATE	02/14/07
BC DL	10.0 PSF	DRW	HCUSR8228 07045048
BC LL	0.0 PSF	HC-ENG	DAL/AF
TOT.LD.	40.0 PSF	SEQN-	20436
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4V8228Z02

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

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

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

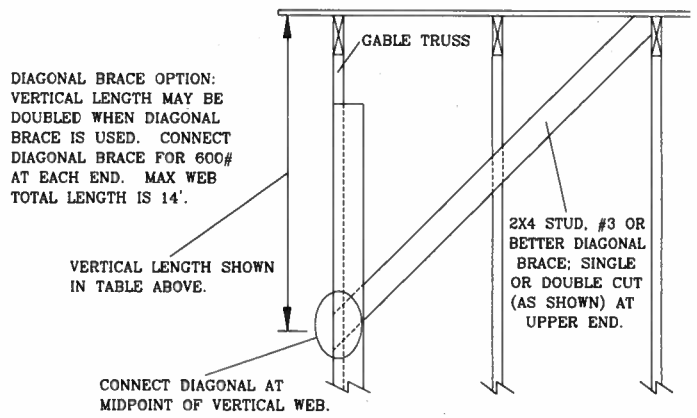
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

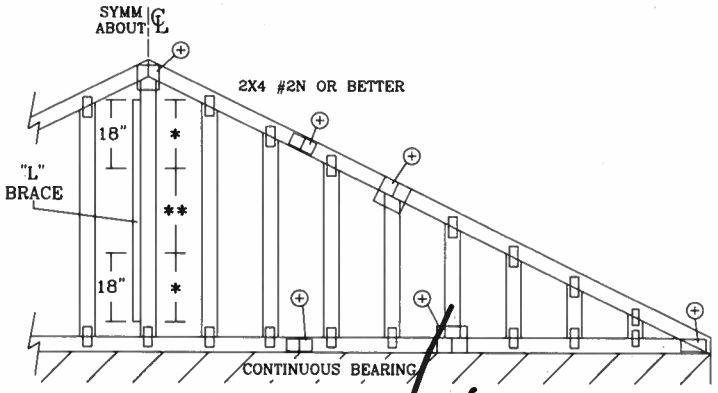
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

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

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





REFER TO CHART ABOVE FOR MAX. GABLE VERTICAL LENGTH.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

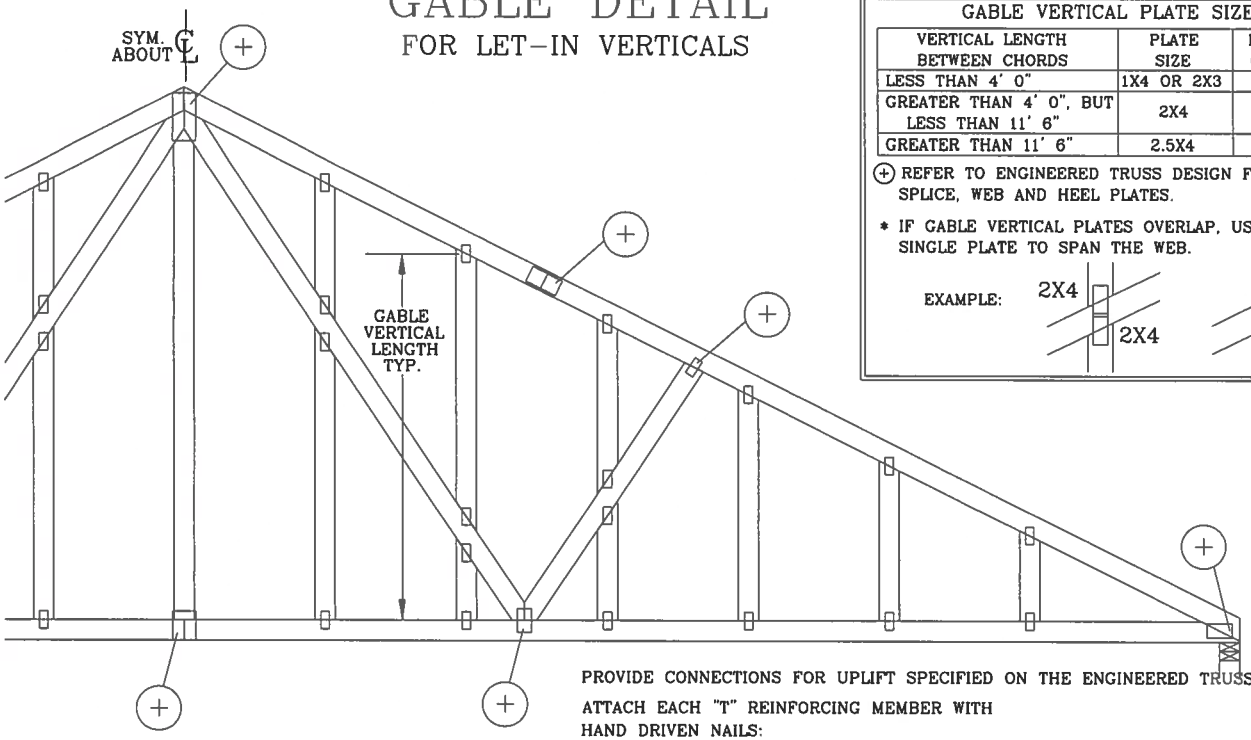
Fe

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

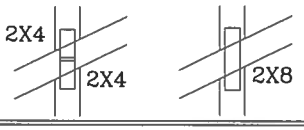


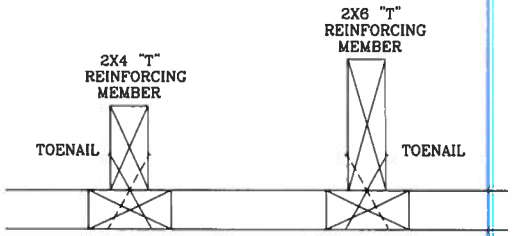
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ 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:





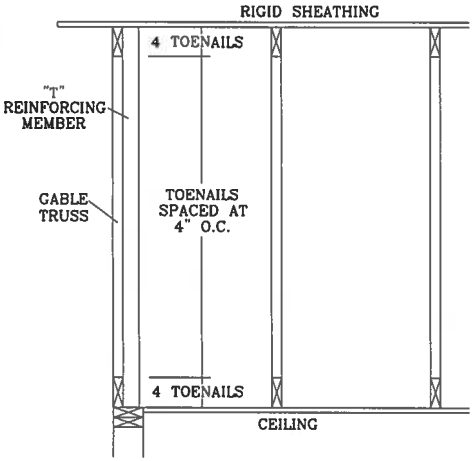
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

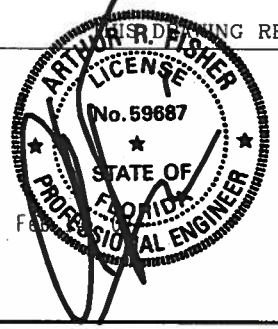
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

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 BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (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/SS/K) ASTM A653 GRADE 40/60 (W,K/H,SS) 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 (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



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

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR

ocation: Hunters Ridge Subdiv **Project Name:** Ward

required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the oduct approval number(s) on the building components listed below if they will be utilized on the construction project for hich you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product pplier should you not know the product approval number for any of the applicable listed products. More information out statewide product approval can be obtained at www.floridabuilding.org

ategory/Subcategory	Manufacturer	Product Description	Approval Number(s)
EXTERIOR DOORS			
1. Swinging	Masonite	Swinging Steel	FL 20
2. Sliding			FL 4242.1
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
. WINDOWS			
1. Single hung	Capital	650 Series	FL 675
2. Horizontal Slider			FL 6029.7
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
:. PANEL WALL		Hardie Board	FL 889.122
1. Siding -	Wood	Cedar 1X10 Channel Rustic	
2. Soffits -	Alcoa	Sofits	FL 2641
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
). ROOFING PRODUCTS	ELK	30yr Art. FL	SStrip 728.6
1. Asphalt Shingles	ELK	30 yr Art.	FL 728.4-728.5
2. Underlayments	Woodland	30lb felt	FL 1814.4
3. Roofing Fasteners	Senco	Nails	FL 2271
4. Non-structural Metal Rf -	Gulf Cast	Roofing Steel	FL 2419.3
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. ~~Wood shingles /shakes~~			
12. Roofing Slate			

tegory/Subcategory (cont.)	Manufacturer		
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
SKYLIGHTS			
1. Skylight			
2. Other			
. **STRUCTURAL COMPONENTS**			
1. Wood connector/anchor	Simpson	Strong Tie	FL 3751
2. Truss plates	Alpa	Structural Composets	FL-1969
3. Engineered lumber -			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
4. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the ime of inspection of these products, the following information must be available to the inspector on the obsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Sam L Keen — Print Name

12/8/04 — Date

Location

Permit # **(FOR STAFF USE ONLY)**

BAILEY BISHOP & LANE, INC.
Engineers Surveyors Planners

March 2, 2007

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

RE: WIND LOAD DESIGN CRITERIA FOR SHOP; BAYNARD WARD RESIDENCE

Dear Mr. Haltiwanger:

In response to your recent telephone call concerning the above referenced matter, I am providing the following information.

WIND LOAD ENGINEERING FBC 2004 ED., SECTION 1609	
BASIC WIND SPEED	110 MPH
WIND EXPOSURE	B
WIND IMPORTANCE FACTOR	1.0
INTERNAL PRESSURE COEFFICIENCT	1.0
COMPONENT & CLADDING DESIGN WIND PRESSURES – WINDOWS & DOORS	> +/- 50 psf

When the plans where originally prepared, I thought the shop would be permitted as a part of the main residence; so this information wasn't included again.

I apologize for the confusion. If you have any questions or need additional information, do not hesitate to contact me.

Sincerely,

R. P. (Phil) Bishop, Jr., P.E.

25248

Project Summary
Zone 1
Glenn I. Jones,Inc.

Job:
Date: Nov 17, 2005
By: gij jr

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: glenn@bizsea.rr.com Web: glennjonesinc.com

Project Information

For: Baynard & Judy Ward

Notes: SLK Construction
Lot 16 Hunters Ridge

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	17053 Btuh
Ducts	853 cfm
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	17906 Btuh

Sensible Cooling Equipment Load Sizing

Structure	12498 Btuh
Ducts	1250 Btuh
Central vent (50 cfm)	935 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	14242 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1503	1503
Volume (ft³)	15029	15029
Air changes/hour	0.45	0.26
Equiv. AVF (cfm)	112	64

Latent Cooling Equipment Load Sizing

Structure	2710 Btuh
Ducts	0 Btuh
Central vent (50 cfm)	1753 Btuh
Equipment latent load	4463 Btuh
Equipment total load	18705 Btuh
Req. total capacity at 0.70 SHR	1.7 ton

Heating Equipment Summary

Make Carrier
Trade WeatherMate 38EYG
Model 38EYG02430

Efficiency	7.5 HSPF
Heating input	
Heating output	24600 Btuh @ 47°F
Temperature rise	28 °F
Actual air flow	800 cfm
Air flow factor	0.045 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make Carrier
Trade WeatherMate 38EYG
Cond 38EYG02430
Coil FV4BNF002

Efficiency	13 SEER
Sensible cooling	16800 Btuh
Latent cooling	7200 Btuh
Total cooling	24000 Btuh
Actual air flow	800 cfm
Air flow factor	0.058 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.77

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

Project Summary
Zone 2
Glenn I. Jones,Inc.

Job:
Date: Nov 17, 2005
By: gij jr

652 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: glenn@bizsearr.com Web: glennljonesinc.com

Project Information

For: Baynard & Judy Ward

Notes: SLK Construction
Lot 16 Hunters Ridge

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	21807	Btuh
Ducts	1090	cfm
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	22897	Btuh

Sensible Cooling Equipment Load Sizing

Structure	16678	Btuh
Ducts	1668	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	17796	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1271	1271
Volume (ft³)	12714	12714
Air changes/hour	1.00	0.57
Equiv. AVF (cfm)	211	121

Latent Cooling Equipment Load Sizing

Structure	5614	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	5614	Btuh
Equipment total load	23410	Btuh
Req. total capacity at 0.70 SHR	2.1	ton

Heating Equipment Summary

Make Carrier
Trade WeatherMate 38EYG
Model 38EYG03030

Efficiency	8 HSPF	
Heating input		
Heating output	29000	Btuh @ 47°F
Temperature rise	28	°F
Actual air flow	933	cfm
Air flow factor	0.041	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat		

Cooling Equipment Summary

Make Carrier
Trade WeatherMate 38EYG
Cond 38EYG03030
Coil FV4ANF003

Efficiency	13.5 SEER	
Sensible cooling	19600	Btuh
Latent cooling	8400	Btuh
Total cooling	28000	Btuh
Actual air flow	933	cfm
Air flow factor	0.051	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.77	

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Ward, Baynard**	Builder:	**S.L.K. Construction**
Address:	**Lot: 16, Sub: Hunters Ridge, Plat:**	Permitting Office:	
City, State:	**Lake City, FL**	Permit Number:	
Owner:	**Baynard & Kathy Ward**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 28.0 kBtu/hr
5. Is this a worst case?	No		SEER: 13.00
6. Conditioned floor area (ft²)	2774 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a (Dble Default) 324.8 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 324.8 ft²	a. Electric Heat Pump	Cap: 24.6 kBtu/hr
8. Floor types			HSPF: 7.50
a. Slab-On-Grade Edge Insulation	R=0.0, 295.3(p) ft	b. Electric Heat Pump	Cap: 29.0 kBtu/hr
b. N/A			HSPF: 8.00
c. N/A		c. N/A	
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 2608.0 ft²	a. Electric Resistance	Cap: 40.0 gallons
b. Frame, Wood, Adjacent	R=11.0, 466.7 ft²		EF: 0.92
c. N/A		b. N/A	
d. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
10. Ceiling types			
a. Under Attic	R=30.0, 2774.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 40.0 ft		
b. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 40.0 ft		

Glass/Floor Area: 0.12 Total as-built points: 31904 Total base points: 39179 **PASS**

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

PREPARED BY: _____

DATE: 4/23/08

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2774.0	20.04	10006.4	Double, Clear	NE	8.0	9.0	96.0	29.56	0.61	1727.2
				Double, Clear	NW	2.0	6.0	15.0	25.97	0.88	341.4
				Double, Clear	SW	15.0	7.0	54.0	40.16	0.39	844.3
				Double, Clear	W	2.0	8.0	19.8	38.52	0.91	696.7
				Double, Clear	NE	2.0	8.0	14.0	29.56	0.92	380.9
				Double, Clear	NE	2.0	4.0	6.0	29.56	0.76	134.6
				Double, Clear	NW	34.0	7.0	18.0	25.97	0.52	241.0
				Double, Clear	SW	5.0	7.0	36.0	40.16	0.56	816.2
				Double, Clear	SE	2.0	6.0	15.0	42.75	0.81	516.7
				Double, Clear	NW	2.0	8.0	21.0	25.97	0.93	504.8
				Double, Clear	SW	2.0	6.0	30.0	40.16	0.81	973.6
				As-Built Total:				**324.8**			**7177.4**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	466.7	0.70	326.7	Frame, Wood, Exterior			13.0	2608.0	1.50		3912.0
Exterior	2608.0	1.70	4433.6	Frame, Wood, Adjacent			11.0	466.7	0.70		326.7
Base Total:	**3074.7**		**4760.3**	**As-Built Total:**				**3074.7**			**4238.7**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				21.0	6.10		128.1
Exterior	21.0	6.10	128.1								
Base Total:	**21.0**		**128.1**	**As-Built Total:**				**21.0**			**128.1**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	2774.0	1.73	4799.0	Under Attic			30.0	2774.0	1.73 X 1.00		4799.0
Base Total:	**2774.0**		**4799.0**	**As-Built Total:**				**2774.0**			**4799.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	295.3(p)	-37.0	-10926.1	Slab-On-Grade Edge Insulation			0.0	295.3(p	-41.20		-12166.4
Raised	0.0	0.00	0.0								
Base Total:			**-10926.1**	**As-Built Total:**				**295.3**			**-12166.4**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	2774.0	10.21	28322.5					2774.0	10.21		28322.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 37090.2			**Summer As-Built Points:**					**32499.4**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 24000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
			32499	0.46	(1.08 x 1.147 x 0.91)	0.263	1.000	4443.3
			(sys 2: Central Unit 26000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
			32499	0.54	(1.08 x 1.147 x 0.91)	0.263	1.000	5183.9
37090.2	**0.4266**	**15822.7**	**32499.4**	**1.00**	**1.128**	**0.263**	**1.000**	**9627.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2774.0	12.74	6361.3	Double, Clear	NE	8.0	9.0	96.0	23.57	1.04	2356.3	
				Double, Clear	NW	2.0	6.0	15.0	24.30	1.01	368.8	
				Double, Clear	SW	15.0	7.0	54.0	16.74	1.95	1758.8	
				Double, Clear	W	2.0	8.0	19.8	20.73	1.02	420.1	
				Double, Clear	NE	2.0	8.0	14.0	23.57	1.01	332.1	
				Double, Clear	NE	2.0	4.0	6.0	23.57	1.02	144.9	
				Double, Clear	NW	34.0	7.0	18.0	24.30	1.04	453.1	
				Double, Clear	SW	5.0	7.0	36.0	16.74	1.41	851.1	
				Double, Clear	SE	2.0	6.0	15.0	14.71	1.17	258.5	
				Double, Clear	NW	2.0	8.0	21.0	24.30	1.00	511.9	
				Double, Clear	SW	2.0	6.0	30.0	16.74	1.11	557.8	
				As-Built Total:				**324.8**			**8011.2**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	466.7	3.60	1680.1	Frame, Wood, Exterior			13.0	2608.0	3.40		8867.2	
Exterior	2608.0	3.70	9649.6	Frame, Wood, Adjacent			11.0	466.7	3.60		1680.1	
Base Total:	**3074.7**		**11329.7**	**As-Built Total:**				**3074.7**			**10547.3**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				21.0	12.30		258.3	
Exterior	21.0	12.30	258.3									
Base Total:	**21.0**		**258.3**	**As-Built Total:**				**21.0**			**258.3**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2774.0	2.05	5686.7	Under Attic			30.0	2774.0	2.05 X	1.00	5686.7	
Base Total:	**2774.0**		**5686.7**	**As-Built Total:**				**2774.0**			**5686.7**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Slab	295.3(p)	8.9	2628.2	Slab-On-Grade Edge Insulation			0.0	295.3(p	18.80		5551.6	
Raised	0.0	0.00	0.0									
Base Total:			**2628.2**	**As-Built Total:**				**295.3**			**5551.6**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points	
	2774.0	-0.59	-1636.7					2774.0	-0.59		-1636.7	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**24627.6**	**Winter As-Built Points:**					**28418.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 24600 btuh ,EFF(7.5) Ducts:Unc(S),Con(R),Int(AH),R6.0					
			28418.5	0.459	(1.060 x 1.169 x 0.93)	0.455	1.000	6833.9
			(sys 2: Electric Heat Pump 29000 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0					
			28418.5	0.541	(1.060 x 1.169 x 0.93)	0.426	1.000	7552.7
24627.6	**0.6274**	**15451.3**	**28418.5**	**1.00**	**1.152**	**0.439**	**1.000**	**14371.7**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	40.0	0.92	3	1.00	2635.00	1.00	7905.0	
				As-Built Total:						**7905.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15823	**15451**	**7905**	**39179**	**9627**	**14372**	**7905**	**31904**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 16, Sub: Hunters Ridge, Plat: , 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 circ 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.7

The higher the score, the more efficient the home.

Baynard & Kathy Ward, Lot: 16, Sub: Hunters Ridge, Plat: , Lake City, FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 24.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. Central Unit	Cap: 28.0 kBtu/hr
5.	Is this a worst case?	No			SEER: 13.00
6.	Conditioned floor area (ft²)	2774 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 324.8 ft²		a. Electric Heat Pump	Cap: 24.6 kBtu/hr
	b. SHGC:				HSPF: 7.50
	(or Clear or Tint DEFAULT)	7b. (Clear) 324.8 ft²		b. Electric Heat Pump	Cap: 29.0 kBtu/hr
8.	Floor types				HSPF: 8.00
	a. Slab-On-Grade Edge Insulation	R=0.0, 295.3(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 2608.0 ft²			EF: 0.92
	b. Frame, Wood, Adjacent	R=11.0, 466.7 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2774.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 40.0 ft		MZ-C-Multizone cooling,	
	b. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 40.0 ft		MZ-H-Multizone heating)	

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 EnergyStar™ 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