

DATE 06/18/2009

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000027890

APPLICANT JERRY CASTAGNA PHONE 755-6867
ADDRESS 521 NW OLD MILL RD LAKE CITY FL 32055
OWNER DAN & JUDY SHACKELFORD PHONE 755-4387
ADDRESS 550 SW SUWANNEE DOWNS DRIVE LAKE CITY FL 32055
CONTRACTOR JERRY CASTAGNA PHONE 755-6867
LOCATION OF PROPERTY 90W, TL ON BIRLEY, TR ON SUWANNEE DOWNS DRIVE, 6TH LOT
ON RIGHT
TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 45000.00
HEATED FLOOR AREA 300.00 TOTAL AREA 629.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 17
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 33-3S-16-02431-105 SUBDIVISION SUWANNEE DOWNS
LOT 5 BLOCK PHASE UNIT 0 TOTAL ACRES 5.05

CBC047842
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 09-324 BK WR N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident
COMMENTS: NOC ON FILE,

Check # or Cash 6750

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 Insulation 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 Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 225.00 CERTIFICATION FEE \$ 3.15 SURCHARGE FEE \$ 3.15
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 306.30
INSPECTORS OFFICE CLERKS OFFICE

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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

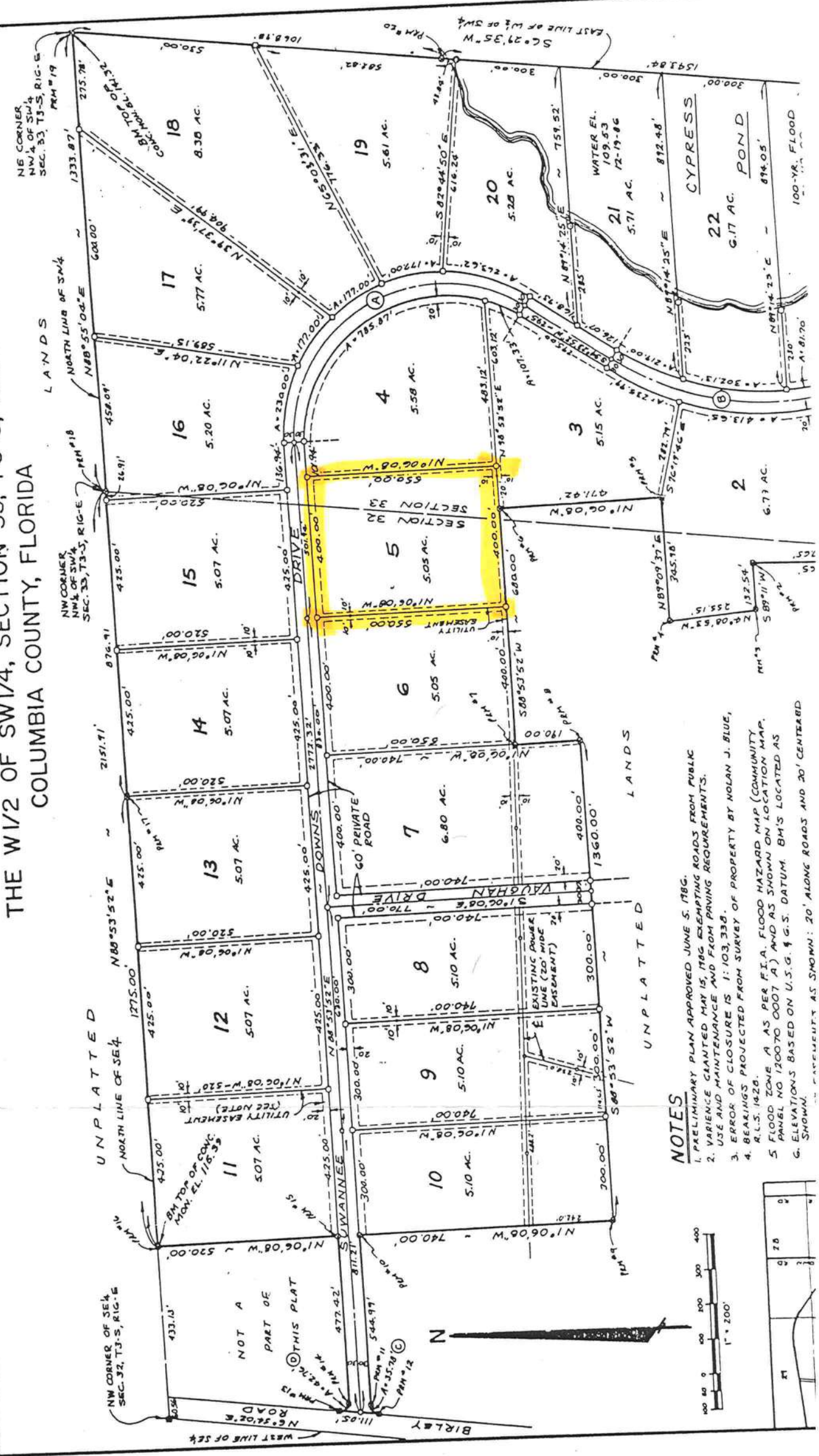
The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

SUWANNEE RIVER DOWNS

A SUBDIVISION IN
THE SE 1/4, SECTION 32 AND
THE W 1/2 OF SW 1/4, SECTION 33, T3-S, R16-E
COLUMBIA COUNTY, FLORIDA

37-05419
91
5

PREPARED BY
W. C. HALE & ASSOCIATES, INC.
925 EAST BAY AVENUE
P.O. BOX 1141
LAKE CITY, FLA. 32055
PHONE: (904) 752-5640



NOTES

1. PRELIMINARY PLAN APPROVED JUNE 5, 1986.
2. VARIANCE GRANTED MAY 15, 1986 EXEMPTING ROADS FROM PUBLIC USE AND MAINTENANCE AND FROM PAVING REQUIREMENTS.
3. ERROR OF CLOSURE IS 1:103,338.
4. BEARINGS PROJECTED FROM SURVEY OF PROPERTY BY NOLAN J. BLUE, R.L.S. 1428.
5. FLOOD ZONE A AS PER F.I.A. FLOOD HAZARD MAP (COMMUNITY PLAN) NO. 120070-0007-A) AND AS SHOWN ON LOCATION MAP.
6. ELEVATIONS BASED ON U.S.G. & G.S. DATUM. B.M.'S LOCATED AS SHOWN.



Columbia County Building Permit Application

For Office Use Only Application # 0906-18 Date Received 6/9/09 By 6 Permit # 27890
 Zoning Official BLK Date 11.06.09 Flood Zone X Land Use A-3 Zoning A-3
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner (u) Date 6/11/09
 Comments _____
☐ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL Suspended

Septic Permit No. _____ Fax _____

Name Authorized Person Signing Permit JERRY CASTAGNA Phone 386-755-6867

Address 521 NW Old Mill Rd LAKE CITY FLA 32050

Owners Name DANIEL P + JUDITH SHACKLEFORD Phone _____

911 Address 550 SW SUWANNEE DOWNS DR / LAKE CITY FLA 32050

Contractors Name CASTAGNA cons. INC Phone 386-755-6867

Address 521 NW Old Mill Rd

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address WICK PAUL GEISLER / 1758 NW BROWN RD

Mortgage Lenders Name & Address LAKE CITY FLA

Circle the correct power company ☒ FL Power & Light ☐ Clay Elec. ☐ Suwannee Valley Elec. ☐ Progress Energy

Property ID Number 32-35-16 1200/2100 ⁰²⁴³¹⁻⁷⁰⁵ Estimated Cost of Construction 45000.00

Subdivision Name SUWANNEE RIVER DOWNS Lot 5 Block _____ Unit _____ Phase _____

Driving Directions WEST ON 90 TO BIRLEY ROAD TURN LEFT

ABOUT 1 MILE TO SUWANNEE DOWNS DR TURN LEFT
6th lot on Right. Number of Existing Dwellings on Property 1

Construction of Addition to SFX Total Acreage 5.05 Lot Size 400' x 600'

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 17'9"

Actual Distance of Structure from Property Lines - Front 504 Side 56 Side 235 Rear 90

Number of Stories 1 Heated Floor Area 300 sq Total Floor Area 629 Roof Pitch 6/12

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.

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Justin A. Shaskelford
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

J. Castan
Contractor's Signature (Permitee)

Contractor's License Number CBC047842
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 2nd day of June 2009
Personally known ☒ or Produced Identification _____

Melinda Pettyjohn
State of Florida Notary Signature (For the Contractor)

SEAL:



Prepared by and return to:
Susan Shattler

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2004-560

Inst:2004019385 Date:08/23/2004 Time:12:05
Doc Stamp-Deed : 297.50
MLK DC, P. Dewitt Cason, Columbia County B:1024 P:429

(Space Above This Line For Recording Data)

Warranty Deed

This Warranty Deed made this 18th day of August, 2004 between Rod Bowdoin whose post office address is P.O. Box 2201, Lake City, FL 32056, grantor, and Daniel P. Shackelford and Judith A. Shackelford, husband and wife whose post office address is 180 SW Woodview, Lake City, FL 32024, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida to-wit:

**LOT 5, OF SUWANNEE RIVER DOWNS, A SUBDIVISION ACCORDING TO PLAT THEREOF
RECORDED IN PLAT BOOK 5 PAGES 91-91A PUBLIC RECORDS OF COLUMBIA COUNTY,
FLORIDA.**

Parcel Identification Number: R02431-105

Grantor warrants that at the time of this conveyance, the subject property is not the Grantor's homestead within the meaning set forth in the constitution of the State of Florida, nor is it contiguous to or a part of homestead property.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

DoubleTimes

Signed, sealed and delivered in our presence:

Tammy J. Spivey
Witness Name: Tammy J. Spivey

Susan Shattler
Witness Name: Susan Shattler

Rod Bowdoin
Rod Bowdoin

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 19 day of August, 2004 by Rod Bowdoin, who ☐ is personally known or ☒ has produced a driver's license as identification.

[Notary Seal]

Susan Shattler
Notary Public

Printed Name: Susan Shattler

My Commission Expires: _____



Inst:2004019385 Date:08/23/2004 Time:12:05

Doc Stamp-Deed : 297.50

_____DC, P. DeWitt Cason, Columbia County B:1024 P:430

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 32-3S-16-02431-105 HX

Owner & Property Info

Search Result: 1 of 1

Owner's Name	SHACKELFORD DANIEL P & JUDITH		
Site Address	SUWANNEE DOWNS		
Mailing Address	550 SW SUWANNEE DOWNS DR LAKE CITY, FL 32024		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	032316.02	Tax District	3
UD Codes	MKTA01	Market Area	01
Total Land Area	5.050 ACRES		
Description	LOT 5 SUWANNEE RIVER DOWNS. A PORTION IN SEC 33. ORB 750-416-417, 923-714, WD 1024-429.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$44,904.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$160,046.00
XFOB Value	cnt: (2)	\$2,700.00
Total Appraised Value		\$207,650.00

Just Value	\$207,650.00
Class Value	\$0.00
Assessed Value	\$202,921.00
Exemptions	(code: HX) \$50,000.00
Total Taxable Value	County: \$152,921.00 City: \$152,921.00 Other: \$152,921.00 School: \$177,921.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/18/2004	1024/429	WD	V	Q		\$42,500.00
3/23/2001	923/714	WD	V	Q		\$26,700.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2005	Common BRK (19)	2454	2778	\$160,046.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2005	\$1,100.00	0000440.000	0 x 0 x 0	(000.00)
0190	FPLC PF	2006	\$1,600.00	0000001.000	0 x 0 x 0	(000.00)

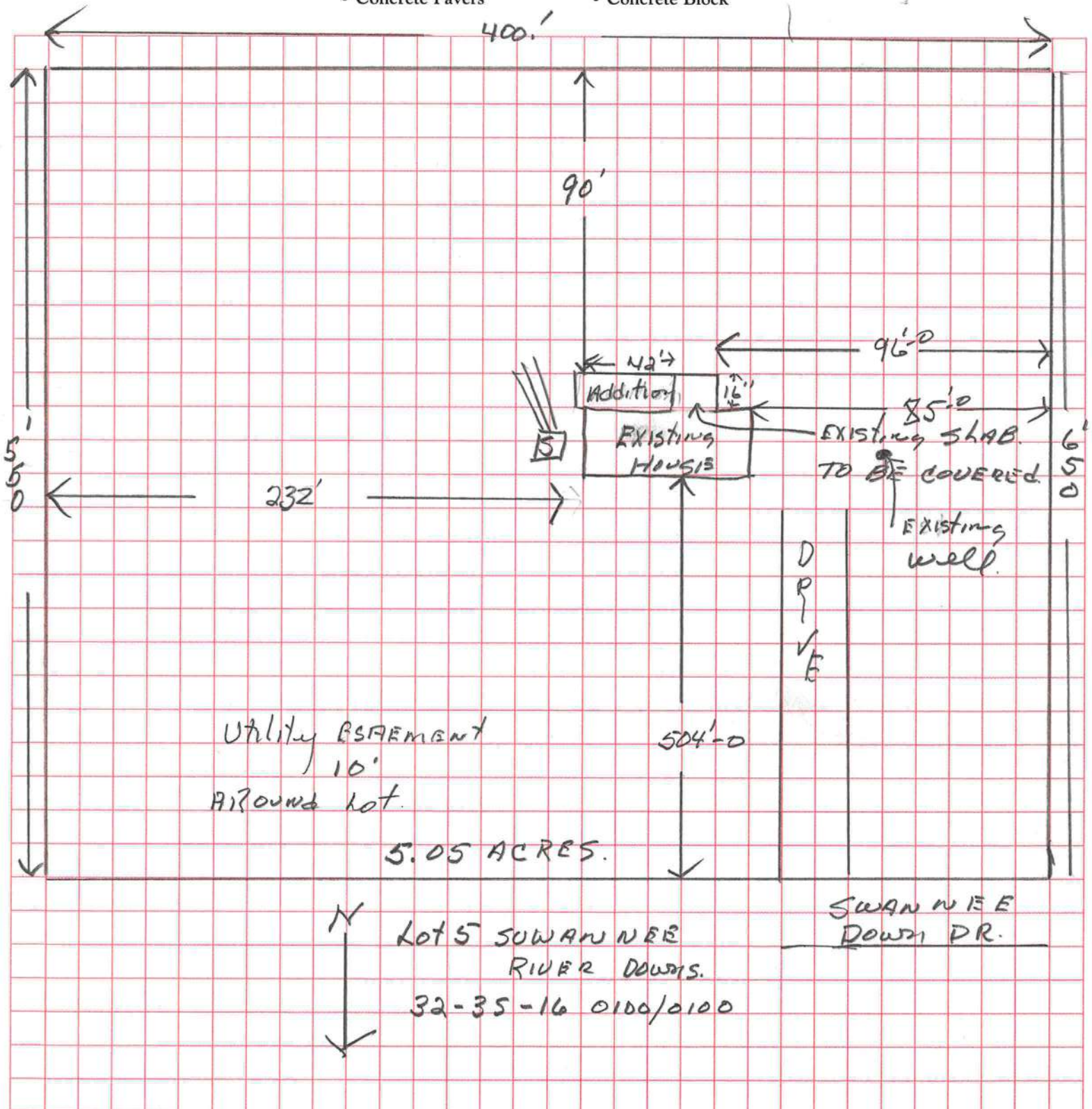
Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value



- Brick
- Stone
- Glass Block
- Brick Pavers
- Concrete Pavers

- Stucco
- Ceramic Tile
- Porcelain Tile
- Fireplace
- Concrete Block



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: Shackelford Addition
 Street: 550 SW Suwannee Downs Dr.
 City, State, Zip: Lake City, FL, 32024-
 Owner: Daniel & Judy Shackelford
 Design Location: FL, Gainesville

Builder Name: Castagna Const.
 Permit Office: Columbia County
 Permit Number: 21890
 Jurisdiction: 221000

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	1	
5. Is this a worst case?	No	
6. Conditioned floor area (ft ²)	667	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.30	200.00 ft ²
	SHGC: SHGC=0.50	
b. U-Factor:	N/A	ft ²
	SHGC:	
c. U-Factor:	N/A	ft ²
	SHGC:	
d. U-Factor:	N/A	ft ²
	SHGC:	
e. U-Factor:	N/A	ft ²
	SHGC:	
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=5.0	667.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	938.69 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	667.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6,	167 ft ²	
12. Cooling systems		
a. Central Unit	Cap: 23.4 kBtu/hr	SEER: 18
13. Heating systems		
a. Electric Heat Pump	Cap: 23.4 kBtu/hr	HSPF: 7.7
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.9
b. Conservation features	None	
15. Credits	CV, Pstat	

Glass/Floor Area: 0.300

Total As-Built Modified Loads: 16.80

Total Baseline Loads: 20.16

PASS

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

PREPARED BY: _____

DATE: _____

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: _____

- Compliance requires an air distribution system test report, by a Florida Class 1 Rater, confirming system leakage to outdoors is not greater than 20.0100002288818 cfm at 25 pascals pressure difference in accordance with N1110.A.2.

PROJECT

Title: Shackelford Addition	Bedrooms: 1	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner: Daniel & Judy Shackelford	Conditioned Area: 667	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Castagna Const.	Worst Case: No	Street: 550 SW Suwannee Do
Permit Office: Columbia County	Rotate Angle: 0	County: Columbia County
Jurisdiction:	Cross Ventilation: Yes	City, State, Zip: Lake City ,
Family Type: Single-family	Whole House Fan: No	FL , 32024-
New/Existing: New (From Plans)		
Comment:		

CLIMATE

	Design Location	TMY Site	IECC Zone	Design Temp 97.5 % 2.5 %	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily Temp Range
✓	FL, Gainesville	FL_GAINESVILLE_REGI	2	32 92	75 70	1305.5	51	Medium

FLOORS

	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulatio	118 ft	5	667 ft²	0	0	1

ROOF

	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
✓	1	Gable or shed	Composition shingles	746 ft²	168 ft²	Light	0.96	No	0	26.6 deg

ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	303	667 ft²	Y	N

CEILING

	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	667 ft²	0.11	Wood

WALLS

	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
✓	1	NE	Exterior	Frame - Wood	13	40 ft²	0	0.23	0.75
	2	SE	Exterior	Frame - Wood	13	128 ft²	0	0.23	0.75
	3	NW	Exterior	Frame - Wood	13	128 ft²	0	0.23	0.75
	4	SW	Exterior	Frame - Wood	13	341.36 ft²	0	0.23	0.75
	5	NE	Exterior	Frame - Wood	13	301.33 ft²		0.23	0.75

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
✓	1	NE	Insulated	None	0.4	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation	Int Shade	Screening
✓	1	NW	Metal	Low-E Double	Yes	0.3	0.5	N	72 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None
✓	2	SW	Metal	Low-E Double	Yes	0.3	0.5	N	48 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None
✓	3	SW	Metal	Low-E Double	Yes	0.3	0.5	N	40 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None
✓	4	SW	Metal	Low-E Double	Yes	0.3	0.5	N	20 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None
✓	5	SE	Metal	Low-E Double	Yes	0.3	0.5	N	20 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	--- Forced Ventilation --- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
✓	Default	0.00036	630	7.08	34.6	65.0	0.0 cfm	0.0 cfm	100	9.8

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
✓	1	Central Unit	None	SEER: 18	23.4 kBtu/hr	cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Electric Heat Pump	None	HSPF: 7.7	23.4 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.9	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None			ft²		

DUCTS

✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
✓	1	Location	R-Value	Area	Location	Area						
✓	1	Attic	6	167 ft²	Interior	33 ft²	Prop. Leak Free	Interior	20.01 cfm	2.85 %	0.03	0.60

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours											
		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 550 SW Suwannee Downs Dr.
Lake City, FL 32024-

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

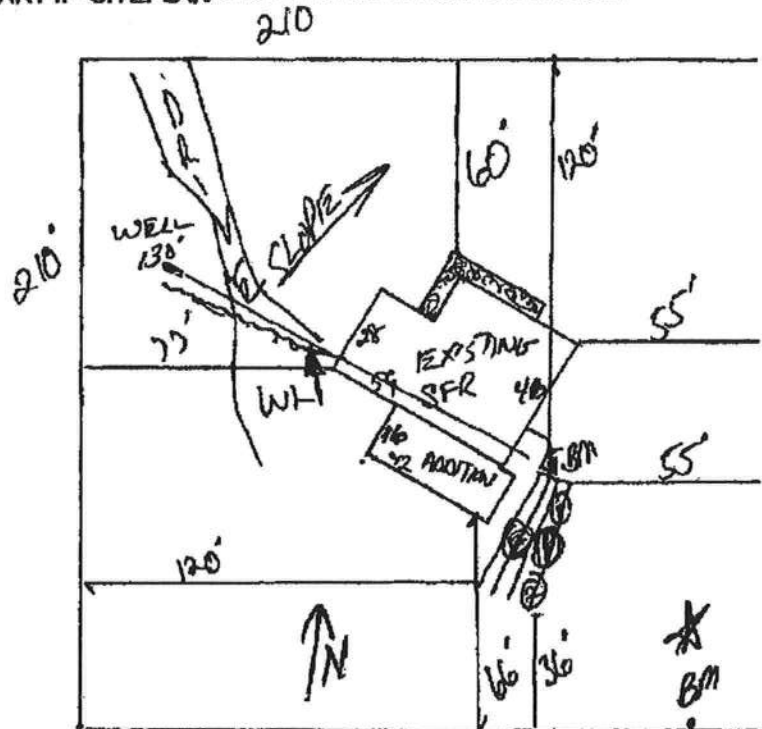
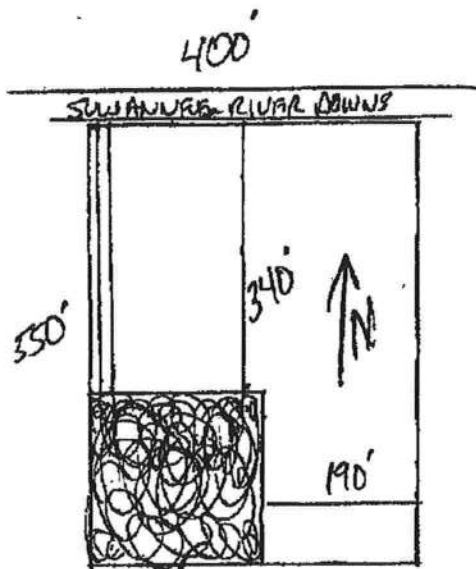
6-16-09; 8:03AM (ENVIRONMENTAL)

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

Permit Application Number 09-0324-HSPICKEL FORD

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



(E) - EXISTING
(P) - PROPOSED

Notes:

1 of 5 AcresSite Plan submitted by: John D. F. O.Plan Approved ☒Not Approved ☐By: Salhi Ford, EN Director, Columbia

MASTER CONTRACTOR

Date 6-15-09

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/88 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

Page 2 of 4

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:ITS68228Z0102094609

Truss Fabricator: Anderson Truss Company
Job Identification: 9-122--Jerry Castagna Constructi Shackelford -- , **
Truss Count: 7
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Versions 8.07, 9.02.
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 7-05 -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

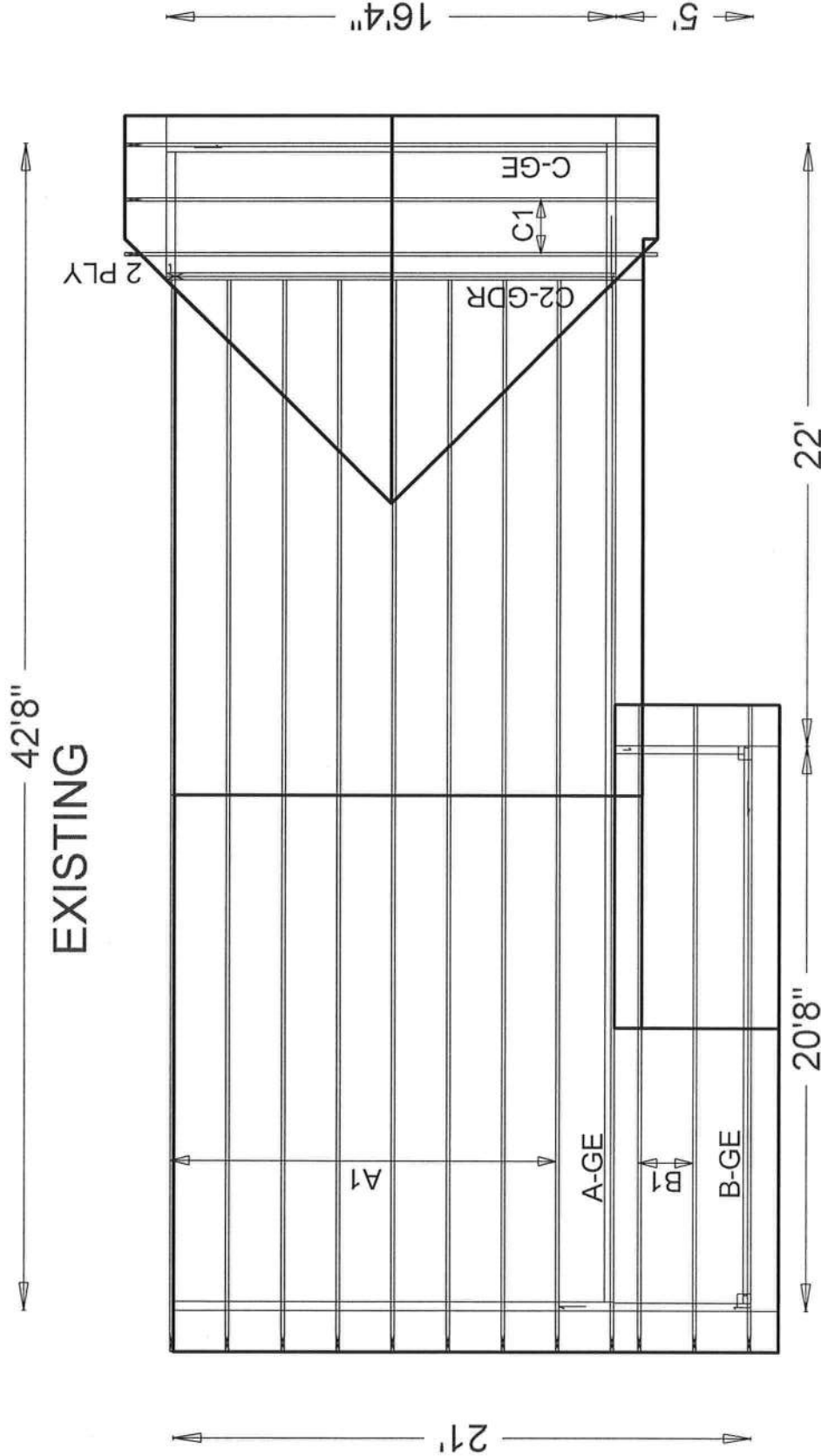
Details: BRCLBSUB-A1101505-GBLLETIN-A140GC020109-A140GS020109-

#	Ref	Description	Drawing#	Date
1	06771--A1		09153001	06/02/09
2	06772--A-GE		09153007	06/02/09
3	06773--B1		09153002	06/02/09
4	06774--B-GE		09153003	06/02/09
5	06775--C2-GDR		09153004	06/02/09
6	06776--C1		09153005	06/02/09
7	06777--C-GE		09153006	06/02/09

Seal Date: 06/02/2009

-Truss Design Engineer-
Doug Fleming
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844





#9-122
JERRY CASTAGNA-
SHACKELFORD

(9-122--Jerry Castagna Constructi Shackleford -- , ** - A1)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

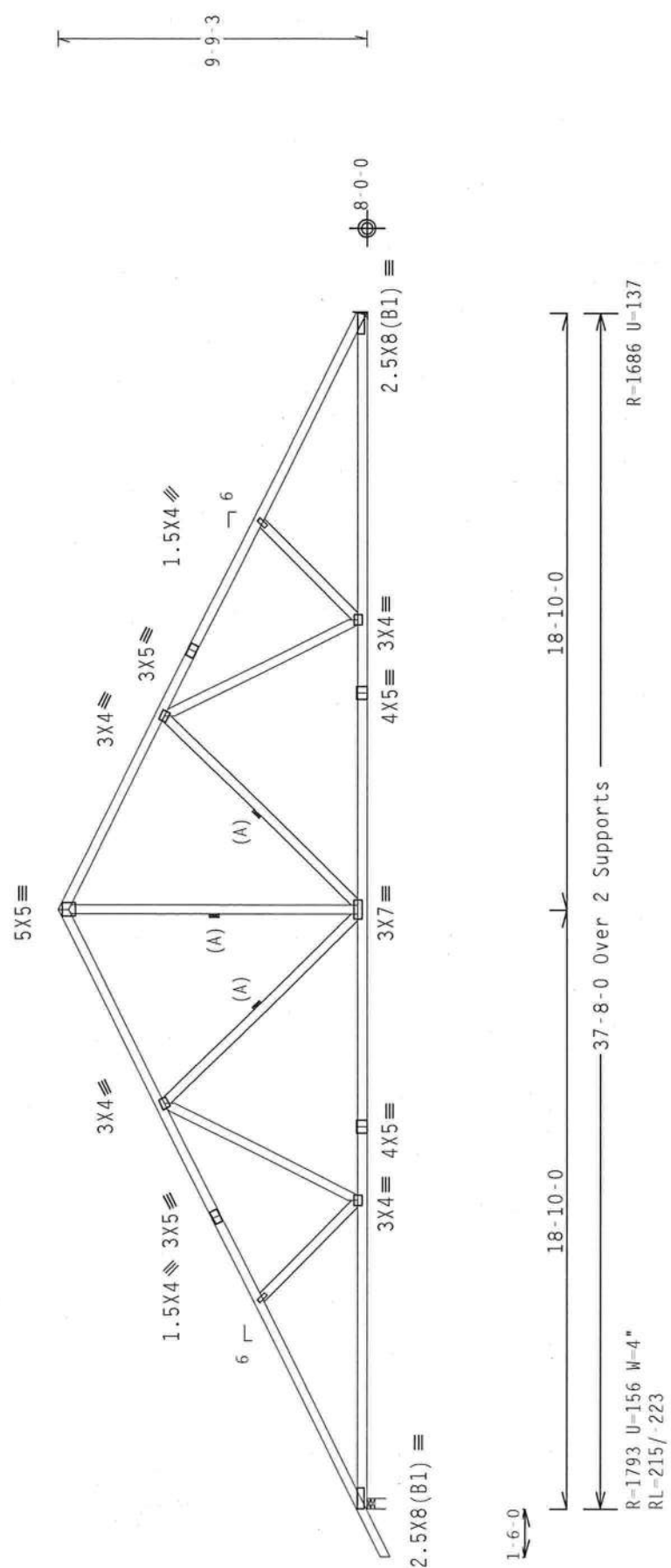
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

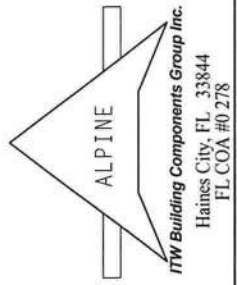
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	BC DL	10.0 PSF	BC LL	0.0 PSF	DATE	06/02/09
	TOT.LD.	40.0 PSF	DUR.FAC.	1.25	DRW	HCUSR8228 09153001
	SPACING	24.0"	FROM	AH	HC-ENG	TCE/DF
					SEON-	26989
					JREF-	1TS68228201



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (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. TPI 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&A) AND TPI. TPI BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N-H/SS/KS) ASTM A653 GRADE 40/60 (N-H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 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, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI FOR THE TRUSS COMPANY'S DESIGN SHOWING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(**) 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 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w-1.00 \text{ GCpi}(+/-)=0.18$

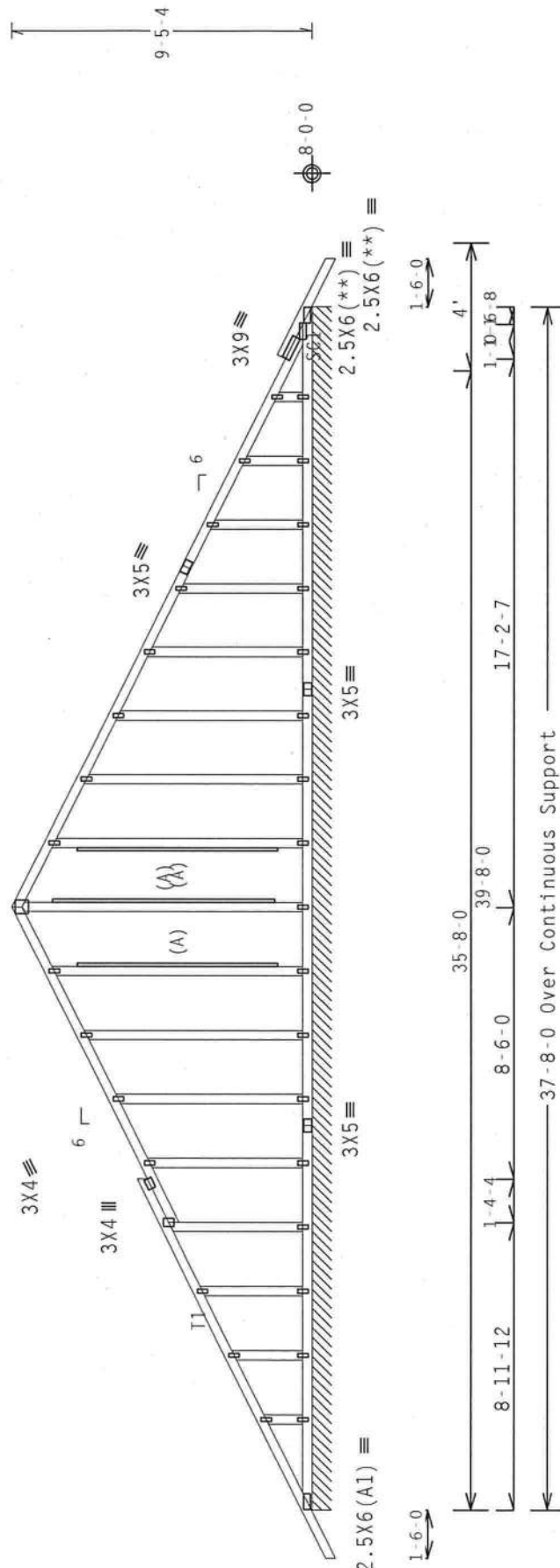
See DWGS A1015050109 & GBLLETIN0109 for more requirements. Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "L" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=135 PLF U=11 PLF W=37-8-0
RL=7/-7 PLF

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI -2002(STD)

[illegible]

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FLCON #0278	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSTI TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WIGA, (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 BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPTI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/1/66GA (W/H/SS/P) ASTM A653 GRADE 40/60 (W, F/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.		TC LL	20.0	PSF	REF	R8228- 6772
			TC DL	10.0	PSF	DATE	06/02/09
			BC DL	10.0	PSF	DRW	HCUSR8228 09153007
			BC LL	0.0	PSF	HC-ENG	TCE/DF
			TOT.LD.	40.0	PSF	SEQN-	2375 REV
			DUR.FAC.	1.25		FROM	AH
			SPACING	24.0"		JREF-	1TS68228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A140GC020109 & A140GS020109 for more requirements.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

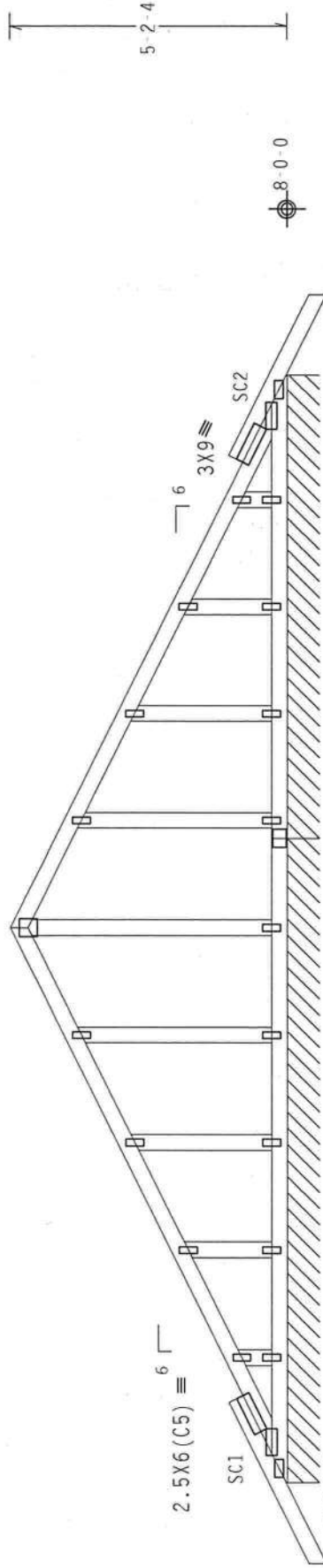
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.55$

Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

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.

4X4



L1-6-0

3-6-0 (NNL)

0-6-8-1 6-6-0

10-8-0

8-8-7

6-6-10-6-8

L 3-6-0 (NNL)

L1-6-0

2.5X6 (**) =

2X4 (**) =

3X4 =

20-8-0 Over 2 Supports

R-113 PLF U-19 PLF W-12-0-0

RL-13/-13 PLF

R-127 PLF U-30 PLF W-8-8-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0)/0(0)

8.07.00

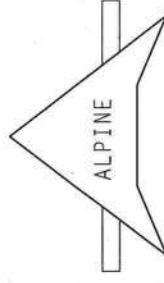
QTY:1

FL/-/4/-/-/R/-

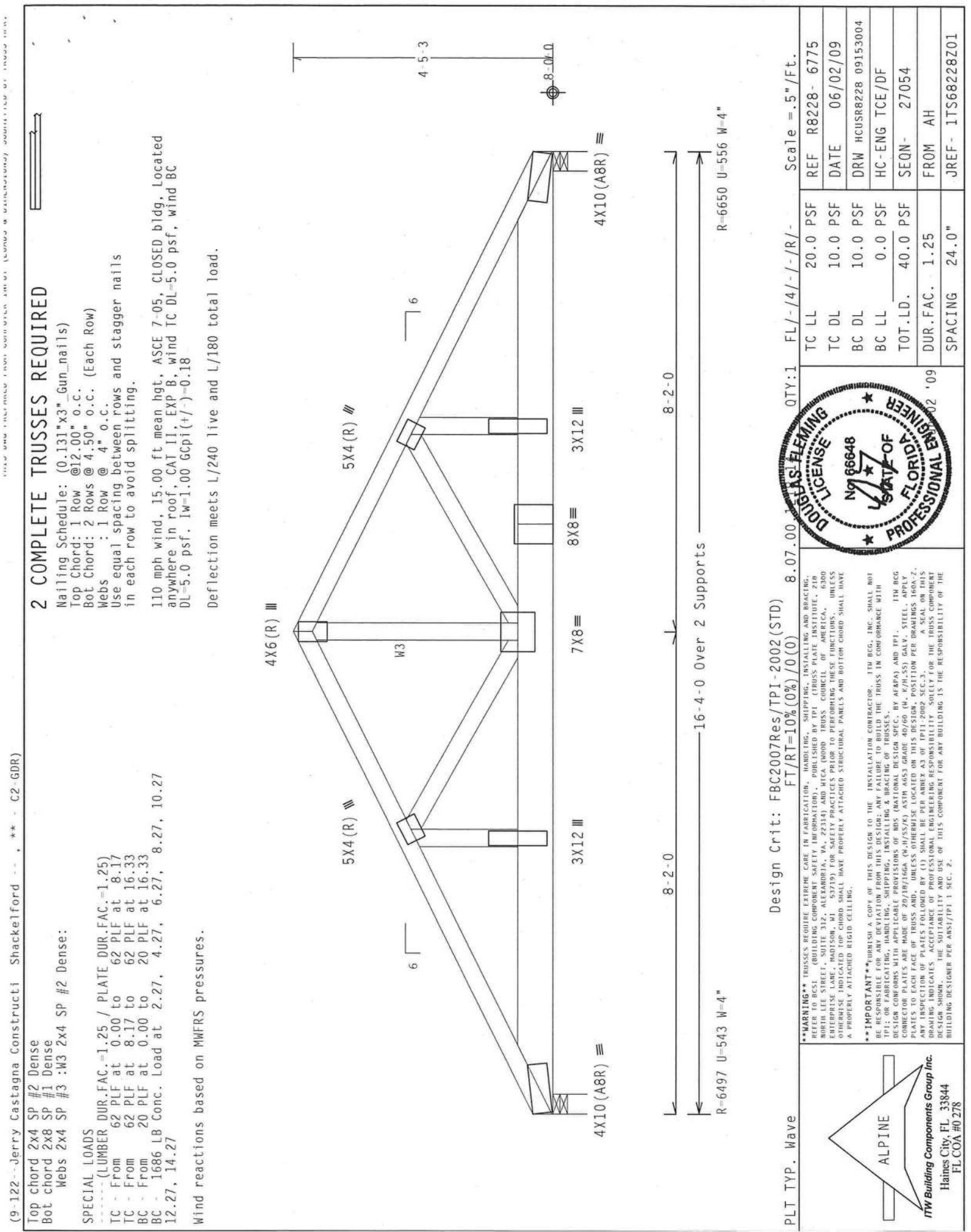
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WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48719) 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 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. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W-H/SS/PS) ASTM A653 GRADE 40/60 (4, 6/7/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE LOCATED ON BOTH SIDES OF EACH TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 6774
TC DL	10.0 PSF	DATE	06/02/09
BC DL	10.0 PSF	DRW	HCUSR8228 09153003
BC LL	0.0 PSF	HC-ENG	TCE/DF
TOT.LD.	40.0 PSF	SEQN-	27024
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TS68228Z01



(9-122--Jerry Castagna Constructl Shackleford --, ** - C2-GDR)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 8.17
TC - From 62 PLF at 8.17 to 62 PLF at 16.33
BC - From 20 PLF at 0.00 to 20 PLF at 16.33
BC - 1686 LB Conc. Load at 2.27, 4.27, 6.27, 8.27, 10.27, 12.27, 14.27

Wind reactions based on MWFRS pressures.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)-0.18

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

PLT TYP. Wave

8.07.00

QTY: 1

FL/-/4/-/-/R/-

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 R8228- 6775
DATE 06/02/09
DRW HCUSR8228 09153004
HC-ENG TCE/DF
SEEN- 27054
FROM AH
JREF- ITS68228Z01

ALPINE
Haines City, FL 33844
FL COA #0 278

ITW Building Components Group Inc.

FL COA #0 278

FL COA #0 278

FL COA #0 278

FL COA #0 278

FL COA #0 278

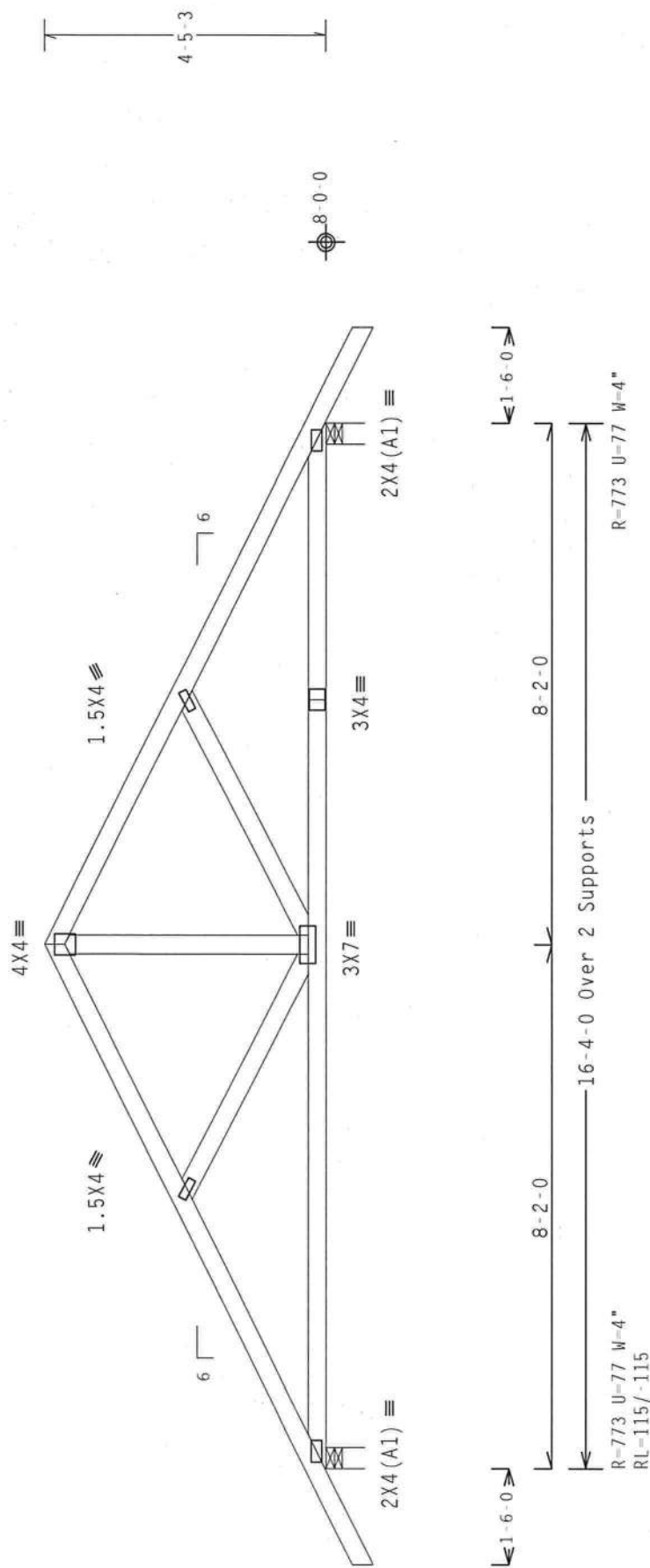
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind reactions based on MWFRS pressures.

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

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

8.07.00

QTY:2 FL/-/4/-/-/R/-

Scale = .375"/Ft.

WARNING THESE'S PROUDLY EXTEND CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE COMPANY'S QUALITY CONTROL DEPARTMENT HAS A REPUTATION FOR EXCELLENCE. THE COMPANY IS LOCATED AT 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIDGECUTTING.

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BC LL	0.0 PSF	HC-ENG	TCE/DF *
TOT.LD.	40.0 PSF	SEQN-	27048
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TS68228Z01



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

```

ncs 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

```

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load.

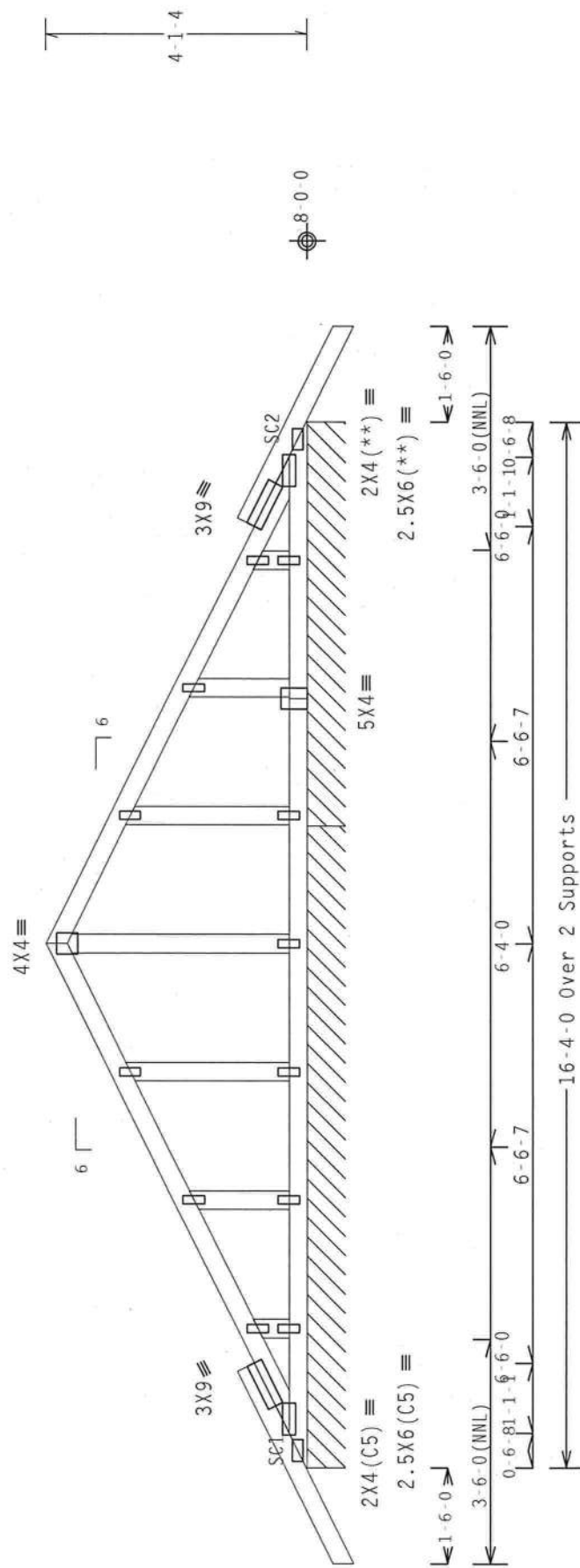
Deflection meets L/240 live and L/180 total load.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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

Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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.



R=107 PLF U=5 PLF W=10-0-0

RL=11/-11 PLF

R=131 PLF U=16 PLF W=6-4-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

 $FT/RT=10\%(0\%)/0(0)$

8.07.00

QTY:1 FL/-/4/-/-/R/-/-

Scale = .375"/Ft.

[illegible]

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY VIOLATION FROM THIS DESIGN, ANY BRACING OR BUILDING OF TRUSSES, TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TP1. ALL CONNECTION PLATES ARE MADE OF 7018/116GA (W/AS/KA) ASTM A653 GRADE 40/46 (N. K/H-55) GALV. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABBEY AS OF 10/11/2002 SEC. 3. FOR THE SEAL ON THIS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ABBEY/TP1 1 SEC. 2.



ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A 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
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

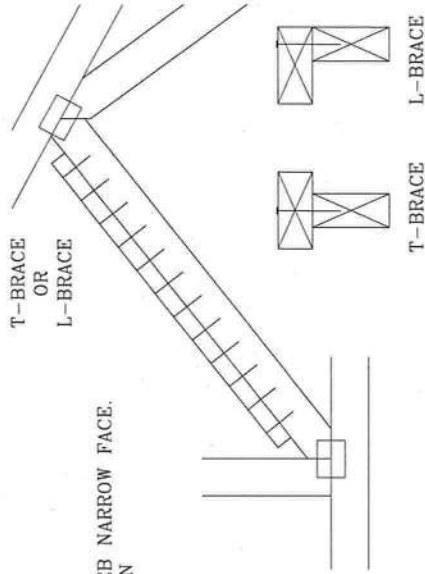
T-BRACING

OR

L-BRACING:

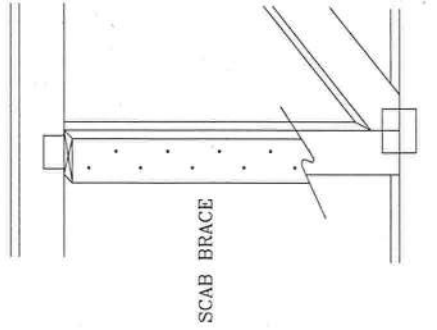
APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3", MIN) NAILS, AT 6" O.C.

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



Earth City, MO 63045

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the BCSA (Building Component Safety Association) Manual for safety practices prior to performing any work. Trusses shall be installed in accordance with the BCSA Manual. Trusses shall be installed in accordance with the BCSA Manual. Trusses shall be installed in accordance with the BCSA Manual.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTORS. Trusses shall be installed in accordance with the BCSA Manual. Trusses shall be installed in accordance with the BCSA Manual. Trusses shall be installed in accordance with the BCSA Manual.



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3	SOUTHERN PINE
STUD	STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	#2
STUD	STUD
STANDARD	STANDARD

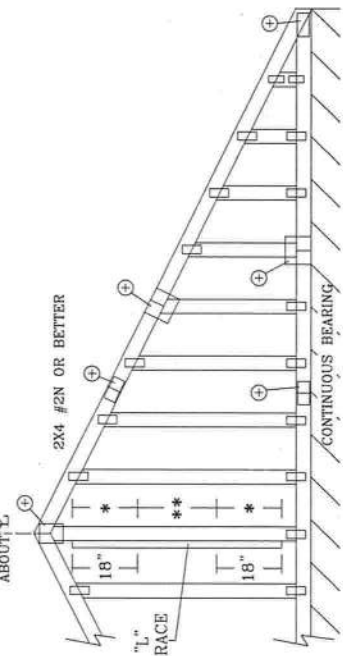
GABLE TRUSS DETAIL NOTES:

- 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.

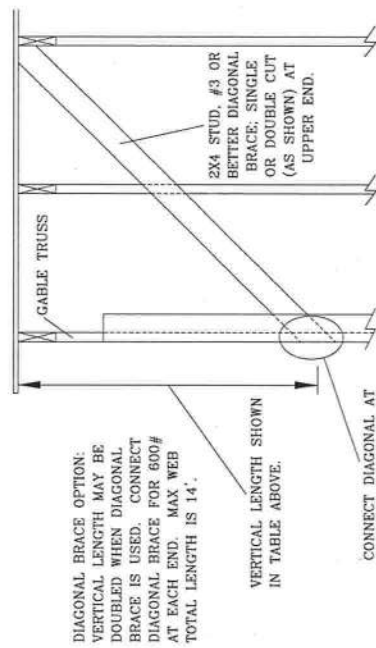
GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



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

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, including, but not limited to, the design, engineering, manufacturing, installing and bracing. Refer to and follow BCSI (Building Component Safety Institute) by TPI and WTC (Western Truss Company) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B5 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, including, but not limited to, the design, engineering, manufacturing, installing and bracing. Refer to and follow BCSI (Building Component Safety Institute) by TPI and WTC (Western Truss Company) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B5 & B7. See this job's general notes page for more information.



Earth City, MO 63045



REF: ASCE7-05-CAB1015
DATE: 1/1/09
DRWG: A11015050109

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

GABLE DETAIL FOR LET-IN VERTICALS

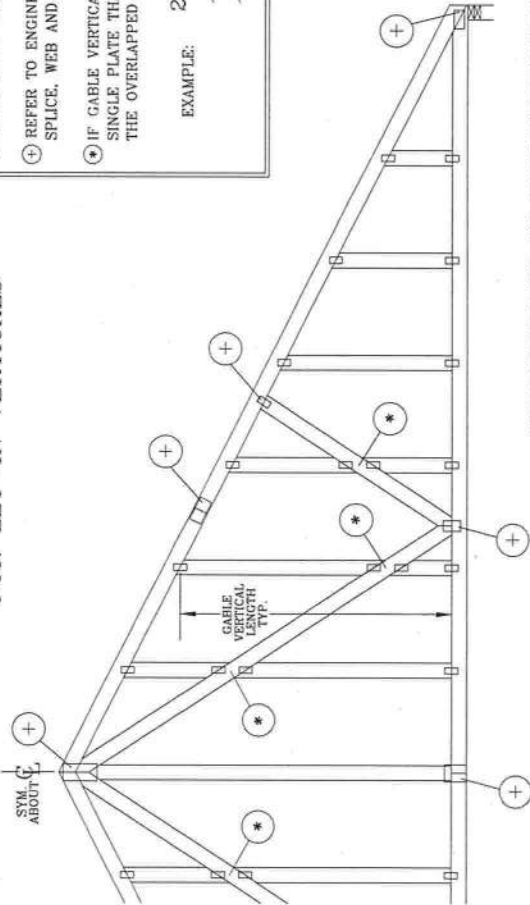
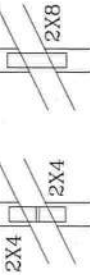
GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPURCE, WEB AND HEEL PLATES.

⊙ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148"x 3" MIN) NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

10d COMMON (0.148"x 3" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

AI3015980109, AI2015980109, AI1015980109, AI0015980109,

AI3030980109, AI2030980109, AI1030980109, AI0030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

AI3015020109, AI2015020109, AI1015020109, AI0015020109,

AI3030020109, AI2030020109, AI1030020109, AI0030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

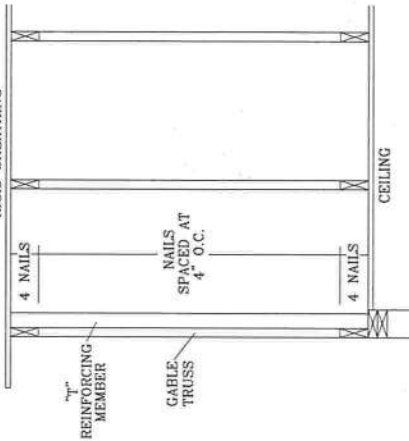
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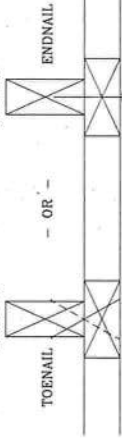
SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.

RIGID SHEATHING



"T" REINFORCEMENT ATTACHMENT DETAIL
"T" REINFORCING MEMBER



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	50 %
110 MPH	2x4	10 %
15 FT	2x6	50 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT. Kzt = 1.00

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"



Earth City, MO 63045

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the manufacturer's instructions for proper use of the truss. Trusses shall be installed in accordance with these functions. Trusses shall provide temporary bracing for the building during construction. Trusses shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3 & B7. See this job's general notes page for more information.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 2018/186A (W/H/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and 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 ASCE 1, Sec. 2.2. ITWBCG is not responsible for the building designer's use of this component. ITWBCG: www.itwbcg.com. TPI: www.tpiusa.com. WCA: www.wcaindustry.com. ICC: www.iccsafe.org

REF LET-IN VERT

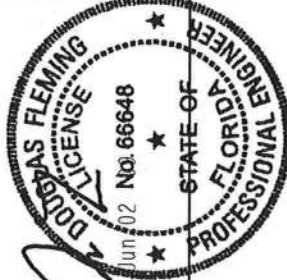
DATE 1/1/09

DRWG GBLTIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



Residential System Sizing Calculation

Summary

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

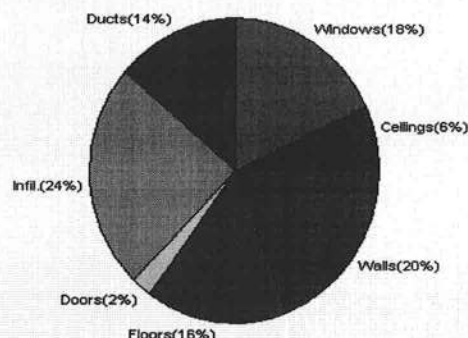
5/27/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	12105 Btuh	Total cooling load calculation	19410 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	193.3 23400	Sensible (SHR = 0.75)	107.0 17550
Heat Pump + Auxiliary(0.0kW)	193.3 23400	Latent	194.5 5850
		Total (Electric Heat Pump)	120.6 23400

WINTER CALCULATIONS

Winter Heating Load (for 667 sqft)

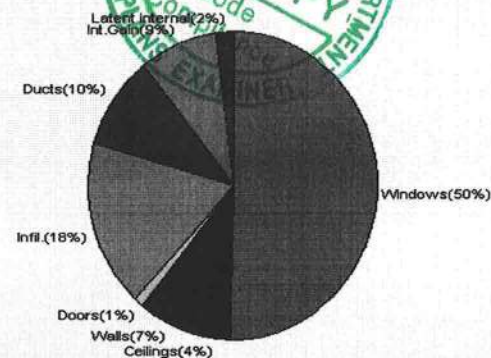
Load component		Load	
Window total	200 sqft	2220	Btuh
Wall total	721 sqft	2368	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	667 sqft	786	Btuh
Floor total	118 sqft	1930	Btuh
Infiltration	71 cfm	2882	Btuh
Duct loss		1661	Btuh
Subtotal		12105	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		12105	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 667 sqft)

Load component		Load	
Window total	200 sqft	9791	Btuh
Wall total	721 sqft	1307	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	667 sqft	680	Btuh
Floor total		0	Btuh
Infiltration	62 cfm	1159	Btuh
Internal gain		1660	Btuh
Duct gain		1610	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		16403	Btuh
Latent gain(ducts)		333	Btuh
Latent gain(infiltration)		2275	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		3008	Btuh
TOTAL HEAT GAIN		19410	Btuh



Version 8
For Florida residences only

EnergyGauge® FLRCPB v4.5.2

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/27/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	12105 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	12105 Btuh

EQUIPMENT

1. Electric Heat Pump	#	23400 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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/27/2009

Component Loads for Zone #1: Main						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	NW	72.0		11.1	799 Btuh
2	2, SHGC=0.5, Metal, 0.30	SW	48.0		11.1	533 Btuh
3	2, SHGC=0.5, Metal, 0.30	SW	40.0		11.1	444 Btuh
4	2, SHGC=0.5, Metal, 0.30	SW	20.0		11.1	222 Btuh
5	2, SHGC=0.5, Metal, 0.30	SE	20.0		11.1	222 Btuh
	Window Total		200(sqft)			2220 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	380		3.3	1248 Btuh
2	Frame - Wood - Adj(0.09)	13.0	341		3.3	1120 Btuh
	Wall Total		721			2368 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
	Door Total		20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shin	30.0	667		1.2	786 Btuh
	Ceiling Total		667			786Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	118.0	ft(p)	16.4	1930 Btuh
	Floor Total		118			1930 Btuh
	Zone Envelope Subtotal:					7563 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
	Natural	0.80	5336	721	71.1	2882 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond) (DLM of 0.159)					1661 Btuh
Zone #1	Sensible Zone Subtotal					12105 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	12105 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	12105 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

5/27/2009

EQUIPMENT

1. Electric Heat Pump	#	23400 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

5/27/2009

The following window Excursion will be assigned to the system loads.

			2.130, None, N, N		
			1.030, None, N, N		
		7.666666666666667	0.030, None, N, N		
			0.030, None, N, N		
			0.030, None, N, N		
	Window Total		200 (sqft)		7172 Btuh
Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	380.0	2.1	793 Btuh
2	Frame - Wood - Adj	13.0/0.09	341.0	1.5	515 Btuh
	Wall Total		721 (sqft)		1307 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle/RB	30.0	667.0	1.0	680 Btuh
	Ceiling Total		667 (sqft)		680 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	118 (ft(p))	0.0	0 Btuh
	Floor Total		118.0 (sqft)		0 Btuh
Windows	July excursion for System 1				2619 Btuh
	Excursion Subtotal:				4802 Btuh
Duct load	(DGMs vary for Mixed ducts)				1610 Btuh
	Sensible Load All Zones				6412 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

5/27/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14793 Btuh
	Sensible Duct Load	1610 Btuh
	Total Sensible Zone Loads	16403 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16403 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2275 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	333 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3008 Btuh
	TOTAL GAIN	19410 Btuh

EQUIPMENT

1. Central Unit	#	23400 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

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

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

5/27/2009

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1	Excursion Subtotal:	2619 Btuh 2619 Btuh
Duct load			285 Btuh
		Sensible Excursion Load	2904 Btuh

Component Loads for Zone #1: Main

Window	Type*			Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.5, 0.30, None,N,N	NW		1.5ft	7ft.	72.0	0.0	72.0	16	39	2798	Btuh
2	2, SHGC=0.5, 0.30, None,N,N	SW		1.5ft	7ft.	48.0	12.2	35.8	16	41	1650	Btuh
3	2, SHGC=0.5, 0.30, None,N,N	SW		1.5ft	7.66	40.0	9.1	30.9	16	41	1400	Btuh
4	2, SHGC=0.5, 0.30, None,N,N	SW		1.5ft	6ft.	20.0	6.1	13.9	16	41	662	Btuh
5	2, SHGC=0.5, 0.30, None,N,N	SE		1.5ft	6ft.	20.0	6.1	13.9	16	41	662	Btuh
	Window Total					200 (sqft)					7172 Btuh	
Walls	Type			R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext				13.0/0.09	380.0			2.1		793 Btuh	
2	Frame - Wood - Adj				13.0/0.09	341.0			1.5		515 Btuh	
	Wall Total					721 (sqft)					1307 Btuh	
Doors	Type					Area (sqft)			HTM		Load	
1	Insulated - Exterior					20.0			9.8		196 Btuh	
	Door Total					20 (sqft)					196 Btuh	
Ceilings	Type/Color/Surface			R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/Light/Shingle/RB			30.0		667.0			1.0		680 Btuh	
	Ceiling Total					667 (sqft)					680 Btuh	
Floors	Type			R-Value		Size			HTM		Load	
1	Slab On Grade			5.0		118 (ft(p))			0.0		0 Btuh	
	Floor Total					118.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:										9355 Btuh	
Infiltration	Type			ACH		Volume(cuft)		wall area(sqft)		CFM=	Load	
	SensibleNatural			0.70		5336		721		62.3	1159 Btuh	
Internal gain				Occupants		Btuh/occupant			Appliance		Load	
				2		X 230			+		1200	1660 Btuh
	Sensible Envelope Load:										12174 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Cond)								(DGM of 0.109)		1325 Btuh	
	Sensible Zone Load										13499 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

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550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

Code Only
Professional Version
Climate: North

5/27/2009

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EQUIPMENT

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

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Daniel & Judy Shackelford
550 SW Suwannee Downs Dr.
Lake City, FL 32024-

Project Title:
Shackelford Addition

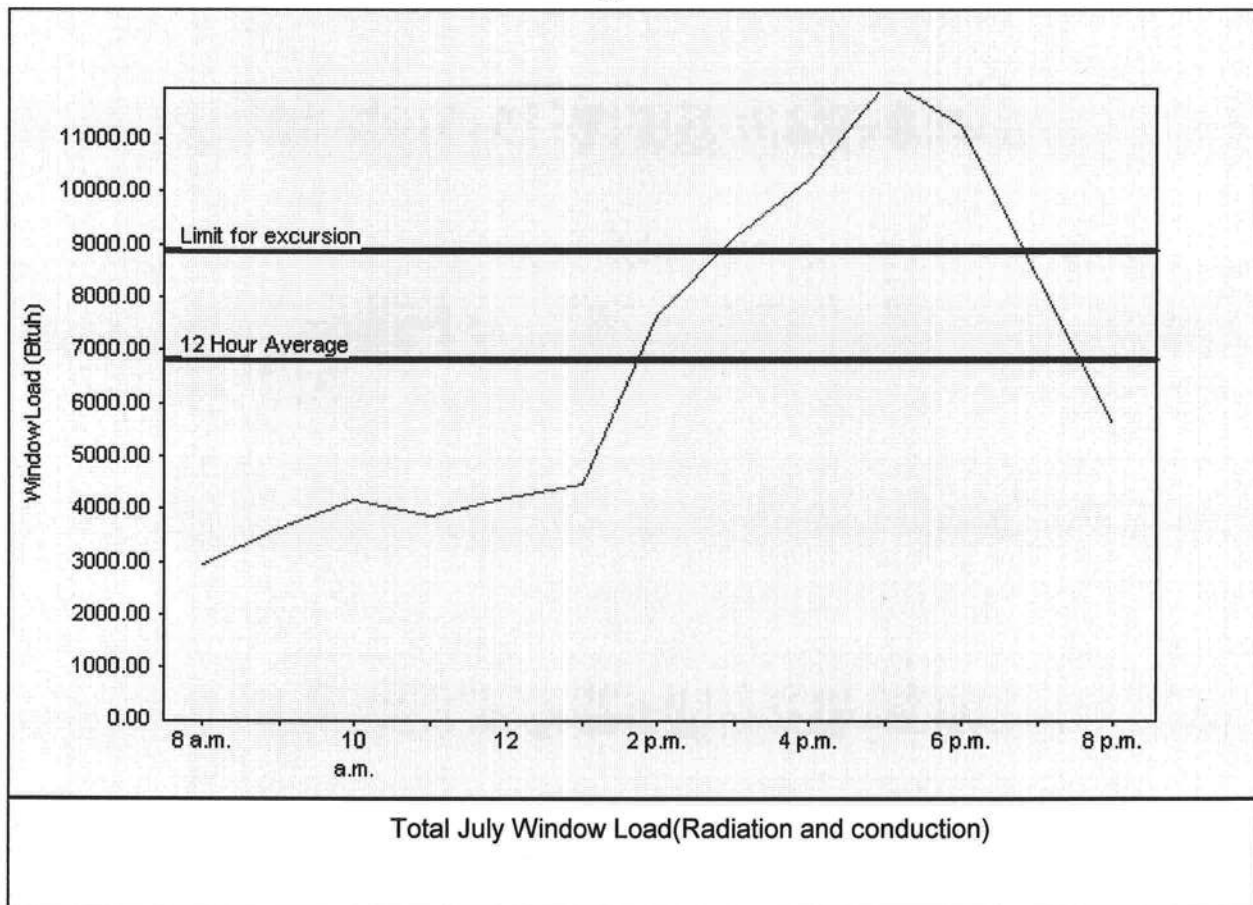
Code Only
Professional Version
Climate: North

5/27/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6832 Btuh
Summer setpoint	75 F	Peak window load for July	12108 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	8881 Btuh
Latitude	29 North	Window excursion (July)	3227 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____





Columbia County

BUILDING DEPARTMENT

MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE ,FLORIDA PLUMBING CODE,FLORIDA MECHANICAL
CODE,FLORIDA FUEL AND GAS CODE 2007 , NATIONAL ELECTRICAL 2005
ALL REQUIREMENTS ARE SUBJECT TO CHANGE

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE
CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL
PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND
SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED
IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES,
APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.**

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FBC FIGURE 1609 STATE OF FLORIDA WIND SPEED MAP

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75
ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS:		Items to Include- Each Box shall be Circled as Applicable		
1	All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.	YES	NO	N/A
2	If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.	YES	NO	N/A
3	The design professional signature shall be affixed to the plans	YES	NO	N/A
4	Two (2) complete sets of plans with the architecture or engineer signature and the date the affix embossed official seal was placed on the plans	YES	NO	N/A

Building Site Plan Requirements										Items to Include- Each Box shall be Circled as Applicable		
4	Parking, including provision FBC chapter 11 for the required accessible parking site									Yes	No	N/A
5	Fire access, showing all drive way which will be accessible for emergency vehicles									Yes	No	N/A
6	Driving/turning radius of parking lots									Yes	No	N/A
7	Vehicle loading include truck dock loading or rail site loading									Yes	No	N/A
8	Nearest or number of onsite Fire hydrant/water supply/post indicator valve (PIV)									Yes	No	N/A
9	Set back of all existing or proposed structures from each structure and property boundaries, Show all separation including assumed property lines									Yes	No	N/A
10	Location of specific tanks(above or under grown ,water lines and sewer lines and septic tank and drain fields									Yes	No	N/A
11	All structures exterior views include finished floor elevation									Yes	No	N/A
12	Total height of structure(s) form established grade									Yes	No	N/A
Occupancy group use circle all uses:		Group A	Group B	Group E	Group F	Group H	Group I	Group M	Group R	Group S	Group U D	
13	Special occupancy requirements.									Yes	No	N/A
14	Incidental use areas (total square footage for each room of use area)									Yes	No	N/A
15	Mixed occupancies									Yes	No	N/A
16	REQUIRED SEPARATION OF OCCUPANCIES IN HOURS FBC TABLE 302.3.2									Yes	No	N/A
Minimum type of permitted construction by code for occupancy use circle the construction type FBC 602												
17	Type I	Type II	Type III	Type IV	Type V							
Fire-resistant construction requirements shall be shown, include the following components												
18	Fire-resistant separations									Yes	No	N/A
19	Fire-resistant protection for type of construction									Yes	No	N/A
20	Protection of openings and penetrations of rated walls									Yes	No	N/A
21	Protection of openings and penetrations of rated walls									Yes	No	N/A
22	Fire blocking and draftstopping and calculated fire resistance									Yes	No	N/A
Fire suppression systems shall be shown include:												
23	Early warning smoke evacuation systems Schematic fire sprinklers Standpipes									Yes	No	N/A
24	Standpipes									Yes	No	N/A
25	Pre-engineered systems									Yes	No	N/A
26	Riser diagram									Yes	No	N/A
Life safety systems shall be shown include the following requirements:												
27	Occupant load and egress capacities									Yes	No	N/A
28	Early warning									Yes	No	N/A
29	Smoke control									Yes	No	N/A
30	Stair pressurization									Yes	No	N/A
31	Systems schematic									Yes	No	N/A
Occupancy load/egress requirements shall be shown include:												
32	Occupancy load									Yes	No	N/A
33	Gross occupancy load									Yes	No	N/A
34	Net occupancy load									Yes	No	N/A
35	Means of egress									Yes	No	N/A
36	Exit access									Yes	No	N/A
37	Exit discharge									Yes	No	N/A
38	Stairs construction/geometry and protection									Yes	No	N/A
39	Doors									Yes	No	N/A
40	Emergency lighting and exit signs									Yes	No	N/A
41	Specific occupancy requirements									Yes	No	N/A
42	Construction requirements									Yes	No	N/A
43	Horizontal exits/exit passageways									Yes	No	N/A

**Items to Include-
Each Box shall
be Circled as
Applicable**

Structural requirements shall be shown include:				
44	Soil conditions/analysis	Yes	No	N/A
45	Termite protection	Yes	No	N/A
46	Design loads	Yes	No	N/A
47	Wind requirements	Yes	No	N/A
48	Building envelope	Yes	No	N/A
49	Structural calculations (if required)	Yes	No	N/A
50	Foundation	Yes	No	N/A
51	Wall systems	Yes	No	N/A
52	Floor systems	Yes	No	N/A
53	Roof systems	Yes	No	N/A
54	Threshold inspection plan	Yes	No	N/A
55	Stair systems	Yes	No	N/A
Materials shall be shown include the following				
56	Wood	Yes	No	N/A
57	Steel	Yes	No	N/A
58	Aluminum	Yes	No	N/A
59	Concrete	Yes	No	N/A
60	Plastic	Yes	No	N/A
61	Glass	Yes	No	N/A
62	Masonry	Yes	No	N/A
63	Gypsum board and plaster	Yes	No	N/A
64	Insulating (mechanical)	Yes	No	N/A
65	Roofing	Yes	No	N/A
66	Insulation	Yes	No	N/A
Accessibility requirements shall be shown include the following				
67	Site requirements	Yes	No	N/A
68	Accessible route	Yes	No	N/A
69	Vertical accessibility	Yes	No	N/A
70	Toilet and bathing facilities	Yes	No	N/A
71	Drinking fountains	Yes	No	N/A
72	Equipment	Yes	No	N/A
73	Special occupancy requirements	Yes	No	N/A
74	Fair housing requirements	Yes	No	N/A
Interior requirements shall include the following				
75	Interior finishes (flame spread/smoke development)	Yes	No	N/A
76	Light and ventilation	Yes	No	N/A
77	Sanitation	Yes	No	N/A
Special systems				
78	Elevators	Yes	No	N/A
79	Escalators	Yes	No	N/A
80	Lifts	Yes	No	N/A
Swimming pools				
81	Barrier requirements	Yes	No	N/A
82	Spas	Yes	No	N/A
83	Wading pools	Yes	No	N/A

Items to Include-Each Box shall be Circled as Applicable

Electrical				
84	Wiring	Yes	No	N/A
85	Services	Yes	No	N/A
86	Feeders and branch circuits	Yes	No	N/A
87	Overcurrent protection	Yes	No	N/A
88	Grounding	Yes	No	N/A
89	Wiring methods and materials	Yes	No	N/A
90	GFCIs	Yes	No	N/A
91	Equipment	Yes	No	N/A
92	Special occupancies	Yes	No	N/A
93	Emergency systems	Yes	No	N/A
94	Communication systems	Yes	No	N/A
95	Low voltage	Yes	No	N/A
96	Load calculations	Yes	No	N/A
Plumbing				
97	Minimum plumbing facilities	Yes	No	N/A
98	Fixture requirements	Yes	No	N/A
99	Water supply piping	Yes	No	N/A
100	Sanitary drainage	Yes	No	N/A
101	Water heaters	Yes	No	N/A
102	Vents	Yes	No	N/A
103	Roof drainage	Yes	No	N/A
104	Back flow prevention	Yes	No	N/A
105	Irrigation	Yes	No	N/A
106	Location of water supply line	Yes	No	N/A
107	Grease traps	Yes	No	N/A
108	Environmental requirements	Yes	No	N/A
109	Plumbing riser	Yes	No	N/A
Mechanical				
110	Energy calculations	Yes	No	N/A
111	Exhaust systems	Yes	No	N/A
112	Clothes dryer exhaust	Yes	No	N/A
113	Kitchen equipment exhaust	Yes	No	N/A
114	Specialty exhaust systems	Yes	No	N/A
Equipment location				
115	Make-up air	Yes	No	N/A
116	Roof-mounted equipment	Yes	No	N/A
117	Duct systems	Yes	No	N/A
118	Ventilation	Yes	No	N/A
119	Laboratory	Yes	No	N/A
120	Combustion air	Yes	No	N/A
121	Chimneys, fireplaces and vents	Yes	No	N/A
122	Appliances	Yes	No	N/A
123	Boilers	Yes	No	N/A
124	Refrigeration	Yes	No	N/A
125	Bathroom ventilation	Yes	No	N/A

Items to Include-Each Box shall be Circled as Applicable

Gas					
126	Gas piping	Yes	No	N/A	
127	Venting	Yes	No	N/A	
128	Combustion air	Yes	No	N/A	
129	Chimneys and vents	Yes	No	N/A	
130	Appliances	Yes	No	N/A	
131	Type of gas	Yes	No	N/A	
132	Fireplaces	Yes	No	N/A	
133	LP tank location	Yes	No	N/A	
134	Riser diagram/shutoffs	Yes	No	N/A	
Notice of Commencement					
135	A recorded (in the Columbia County Clerk Office) notice of commencement is required to be on file with the building department . <i>Before Any Inspections Will Be Done</i>		Yes	No	N/A
Disclosure Statement for Owner Builders					
			Yes	No	N/A

Private Potable Water				
136	Horse power of pump motor	Yes	No	N/A
137	Capacity of pressure tank	Yes	No	N/A
138	Cycle stop valve if used	Yes	No	N/A

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

139	Building Permit Application	A current Building Permit Application form is to be completed and submitted for all construction projects.	Yes	No	N/A
140	Parcel Number	The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084	Yes	No	N/A
141	Environmental Health Permit or Sewer Tap Approval	A copy of an approved Environmental Health (386) 758-1058 waste water disposal permit or an approved City of Lake City(386) 752-2031 sewer tap is required before a building permit can be issued. Toilet facilities shall be provided for construction workers	Yes	No	N/A
142	Driveway Connection	If the property does not have an existing access to a public road, then an application for a culvert permit must be made (\$25.00). Culvert installation for commercial, industrial and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Use or joint use of driveways will comply with Florida Department of Transportation specifications. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes	No	N/A
143	Suwannee River Water Management District Approval	All commercial projects must have an SRWMD permit issued or an exemption letter, before a building permit will be issued.	Yes	No	N/A

144	Flood Management	Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of section 8.5.2 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) has not been established shall meet the requirements of section 8.5.3 of Columbia County Land Development Regulations. A development permit will also be required. The development permit cost is \$50.00	☒ Yes	No	N/A
145	Flood Management	A CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.	☒ Yes	No	N/A
146	911 Address	If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	☒ Yes	No	N/A

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

Section 105 of the Florida Building Code defines the:

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
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			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
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			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 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

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

COLUMBIA COUNTY
FLA

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 32-3S-16-02431-105

Building permit No. 000027890

Use Classification ADDITION TO SFD

Fire: 0.00

Permit Holder JERRY CASTAGNA

Waste: _____

Owner of Building DAN & JUDY SHACKELFORD

Total: 0.00

Location: 550 SW SUWANNEE DOWNS DR., LAKE CITY, FL

Date: 11/03/2009



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

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

Address: 536 SE BAY DR

City LAKE CITY

Phone 752-1703

Site Location: Subdivision SUNNYS DOWNS

Lot # _____ Block# _____

Permit # 27820

Address 5505W SUNNYS DOWNS DR LAKE CITY

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

Addition

731

120

75

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 _____.

7/9/09

Date

8:45

Time

Neil Southern

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

