

DATE 08/28/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027297

APPLICANT LINDA RODER PHONE 386.752.2282
ADDRESS 387 SW KEMP CT LAKE CITY FL 32024
OWNER ROBERT PIGG & KAREN DUDDING PHONE
ADDRESS 349 SW HAPPY JACK DRIVE LAKE CITY FL 32024
CONTRACTOR ADAM PAPKA PHONE 386.623.2383
LOCATION OF PROPERTY 90-W TO SR. 247-S TO CYPRESS LAKE DR, TL TO HAPPY JACK, GO
AROUND CORNER, 1ST. LOT ON L.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 78050.00
HEATED FLOOR AREA 2417.00 TOTAL AREA 2688.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 9'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 36-4S-15-00415-110 SUBDIVISION SOUTHWEST ESTATES
LOT 10 BLOCK PHASE UNIT TOTAL ACRES 10.04

CBC1253409
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PRIVATE 08-0565 BLK WR Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident
COMMENTS: 1 FOOT ABOVE EASEMENT. NOC ON FILE.

Check # or Cash 1524

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 \$ 395.00 CERTIFICATION FEE \$ 13.44 SURCHARGE FEE \$ 13.44
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 496.88
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 TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

* RESIDENTIAL CHECKLIST
* - BRIDGE ATTACHED LIST

Columbia County Building Permit Application

For Office Use Only Application # 0808-30 Date Received 8/15 By TW Permit # 27297
Zoning Official BLK Date 27.08.08 Flood Zone X FEMA Map # N/A Zoning A-3
Land Use A-3 Elevation N/A MFE above easement River N/A Plans Examiner (W) Date 8/25/08
Comments
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. _____ Fax 752-2282
Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281-623.7829
Address 387 SW Kemp Ct Lake City FL 32024
Owners Name Robert Pigg + Karen Dudding Pigg Phone _____
911 Address 349 SW Happy Jack Dr Lake City FL 32024
Contractors Name Adam Papka of Adams Framing Phone 623-2383
Address POB 1921 Lake City FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Evan Beamsley / Mark Disosway
Mortgage Lenders Name & Address First Fe
Circle the correct power company - FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 15-45-36-00415-110 Estimated Cost of Construction 150,000.00
Subdivision Name Southwest Estates Lot 10 Block _____ Unit _____ Phase _____
Driving Directions 247 S. Ron Cypress Lake Drive, L on Happy Jack, go around corner to left, 1st lot on left

Number of Existing Dwellings on Property 0
Construction of Single family dwelling Total Acreage 10.04 Lot Size 10.04 acres
Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____
Actual Distance of Structure from Property Lines - Front 179' Side 337' Side 250' Rear 425'
Number of Stories 2 Heated Floor Area 2417 Total Floor Area 2688 Roof Pitch _____
+271 bonus

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.
Spoke to Linda

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.

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.

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

Owners Signature _____

Affirmed under penalty of perjury to by the Owner and subscribed before me this 24 day of July 2008
Personally known _____ or Produced Identification _____

State of Florida Notary Signature (For the Owner) _____

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

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.

Contractor's Signature (Permitee) _____

Contractor's License Number CBC1253409
Columbia County
Competency Card Number _____

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24 day of July 2008
Personally known _____ or Produced Identification _____

SEAL:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	806113PiggRob&DuddingKaren	Builder:	Adam's Framing & Constr
Address:	Happy Jack Lane	Permitting Office:	Columbia
City, State:	Lake City, FL	Permit Number:	27297
Owner:	Pigg Rob & Dudding, Karen	Jurisdiction Number:	24000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 61.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	2688 ft²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 61.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 356.5 ft²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 356.5 ft²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 268.0(p) ft	14. Hot water systems	
b. Raised Wood, Adjacent	R=19.0, 271.0ft²	a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1754.0 ft²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 260.0 ft²	(HR-Heat recovery, Solar	
c. Frame, Wood, Exterior	R=13.0, 77.0 ft²	DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2729.0 ft²	PT-Programmable Thermostat,	
b. Under Attic	R=30.0, 832.0 ft²	MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 230.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 34971

Total base points: 35878

PASS

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

PREPARED BY: _____

DATE: 7/25/08

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: Happy Jack Lane, Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2688.0	20.04	9696.2	Double, Clear	S	7.5	5.0	6.0	35.87	0.47	101.8
				Double, Clear	S	7.5	8.0	20.0	35.87	0.53	379.8
				Double, Clear	S	13.0	8.0	20.0	35.87	0.47	333.6
				Double, Clear	E	35.5	8.0	10.0	42.06	0.36	150.1
				Double, Clear	S	13.0	2.0	9.0	35.87	0.43	139.4
				Double, Clear	S	9.5	8.0	63.0	35.87	0.49	1115.8
				Double, Clear	E	7.5	8.0	10.0	42.06	0.53	224.4
				Double, Clear	S	1.5	8.0	36.0	35.87	0.92	1192.1
				Double, Clear	W	1.5	7.0	20.0	38.52	0.94	723.4
				Double, Clear	W	1.5	6.0	16.0	38.52	0.91	563.0
				Double, Clear	W	1.5	4.0	4.0	38.52	0.82	126.0
				Double, Clear	N	1.5	7.0	45.0	19.20	0.96	825.1
				Double, Clear	N	7.5	8.0	60.0	19.20	0.72	830.3
				Double, Clear	N	7.5	3.0	18.0	19.20	0.60	208.4
				Double, Clear	N	14.5	10.0	13.5	19.20	0.66	170.7
				Double, Clear	N	0.0	0.0	6.0	19.20	1.00	115.2
				As-Built Total:		356.5			7199.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	260.0	0.70	182.0	Frame, Wood, Exterior	13.0	1754.0	1.50	2631.0			
Exterior	1831.0	1.70	3112.7	Frame, Wood, Adjacent	13.0	260.0	0.60	156.0			
				Frame, Wood, Exterior	13.0	77.0	1.50	115.5			
Base Total:	2091.0		3294.7	As-Built Total:		2091.0			2902.5		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Exterior Insulated		19.8	4.10	81.2			
Exterior	69.8	4.10	286.2	Exterior Insulated		30.0	4.10	123.0			
				Exterior Insulated		20.0	4.10	82.0			
				Adjacent Insulated		20.0	1.60	32.0			
Base Total:	89.8		318.2	As-Built Total:		89.8			318.2		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2688.0	1.73	4650.2	Under Attic	30.0	2729.0	1.73 X 1.00	4721.2			
				Under Attic	30.0	832.0	1.73 X 1.00	1439.4			
Base Total:	2688.0		4650.2	As-Built Total:		3561.0			6160.5		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Happy Jack Lane, Lake City, FL,

PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points	
Slab	268.0(p)	-37.0	-9916.0	Slab-On-Grade Edge Insulation	0.0	268.0(p)	-41.20 -11041.6
Raised	271.0	-3.99	-1081.3	Raised Wood, Adjacent	19.0	271.0	0.40 108.4
Base Total:			-10997.3	As-Built Total:		539.0	-10933.2
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2688.0 10.21 27444.5				2688.0 10.21 27444.5			
Summer Base Points: 34406.5				Summer As-Built Points: 33091.5			
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier X Credit Multiplier = Cooling Points
34406.5	0.4266		14677.8	(sys 1: Central Unit 61000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 33092	1.00 (1.09 x 1.147 x 1.00)	0.263	1.000 10861.7
				33091.5	1.00	1.250	0.263 1.000 10861.7

(sys 1: Central Unit 61000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Happy Jack Lane, Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2688.0	12.74	6164.1	Double, Clear	S	7.5	5.0	6.0	13.30	3.28	261.3
				Double, Clear	S	7.5	8.0	20.0	13.30	2.63	699.4
				Double, Clear	S	13.0	8.0	20.0	13.30	3.37	896.1
				Double, Clear	E	35.5	8.0	10.0	18.79	1.51	283.2
				Double, Clear	S	13.0	2.0	9.0	13.30	3.66	438.0
				Double, Clear	S	9.5	8.0	63.0	13.30	3.04	2544.3
				Double, Clear	E	7.5	8.0	10.0	18.79	1.27	238.4
				Double, Clear	S	1.5	8.0	36.0	13.30	1.04	498.4
				Double, Clear	W	1.5	7.0	20.0	20.73	1.02	421.4
				Double, Clear	W	1.5	6.0	16.0	20.73	1.02	339.4
				Double, Clear	W	1.5	4.0	4.0	20.73	1.05	87.3
				Double, Clear	N	1.5	7.0	45.0	24.58	1.00	1107.7
				Double, Clear	N	7.5	8.0	60.0	24.58	1.02	1500.5
				Double, Clear	N	7.5	3.0	18.0	24.58	1.03	454.2
				Double, Clear	N	14.5	10.0	13.5	24.58	1.02	339.2
				Double, Clear	N	0.0	0.0	6.0	24.58	1.00	147.5
				As-Built Total:		356.5			10256.2		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	260.0	3.60	936.0	Frame, Wood, Exterior	13.0		1754.0	3.40		5963.6	
Exterior	1831.0	3.70	6774.7	Frame, Wood, Adjacent	13.0		260.0	3.30		858.0	
				Frame, Wood, Exterior	13.0		77.0	3.40		261.8	
Base Total:	2091.0		7710.7	As-Built Total:		2091.0		7083.4			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			19.8	8.40		166.3	
Exterior	69.8	8.40	586.3	Exterior Insulated			30.0	8.40		252.0	
				Exterior Insulated			20.0	8.40		168.0	
				Adjacent Insulated			20.0	8.00		160.0	
Base Total:	89.8		746.3	As-Built Total:		89.8		746.3			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2688.0	2.05	5510.4	Under Attic	30.0		2729.0	2.05 X 1.00		5594.4	
				Under Attic	30.0		832.0	2.05 X 1.00		1705.6	
Base Total:	2688.0		5510.4	As-Built Total:		3561.0		7300.0			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Happy Jack Lane, Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points		
Slab	268.0(p)	8.9	2385.2	Slab-On-Grade Edge Insulation	0.0	268.0(p) 18.80 5038.4		
Raised	271.0	0.96	260.2	Raised Wood, Adjacent	19.0	271.0 2.20 596.2		
Base Total:			2645.4	As-Built Total:		539.0 5634.6		
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
2688.0 -0.59 -1585.9				2688.0 -0.59 -1585.9				
Winter Base Points:			21191.0	Winter As-Built Points:			29434.6	
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)				
21191.0	0.6274	13295.2	(sys 1: Electric Heat Pump 61000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 29434.6 1.000 (1.069 x 1.169 x 1.00) 0.443 1.000 16289.7 29434.6 1.00 1.250 0.443 1.000 16289.7					

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Happy Jack Lane, Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X Multiplier X Credit = Total Multiplier
Number of Bedrooms	X	Multiplier	= Total						
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67 1.00 7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
14678		13295		7905 35878	10862		16290		7820 34971

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Happy Jack Lane, Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.9

The higher the score, the more efficient the home.

Pigg Rob & Dudding, Karen, Happy Jack Lane, Lake City, FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 61.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2688 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 61.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 356.5 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 356.5 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 268.0(p) ft	___	a. Electric Resistance	Cap: 40.0 gallons
b. Raised Wood, Adjacent	R=19.0, 271.0ft ²	___		EF: 0.93
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1754.0 ft ²	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Adjacent	R=13.0, 260.0 ft ²	___	DHP-Dedicated heat pump)	___
c. Frame, Wood, Exterior	R=13.0, 77.0 ft ²	___	15. HVAC credits	___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
e. N/A	___	___	HF-Whole house fan,	___
10. Ceiling types		___	PT-Programmable Thermostat,	___
a. Under Attic	R=30.0, 2729.0 ft ²	___	MZ-C-Multizone cooling,	___
b. Under Attic	R=30.0, 832.0 ft ²	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 230.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

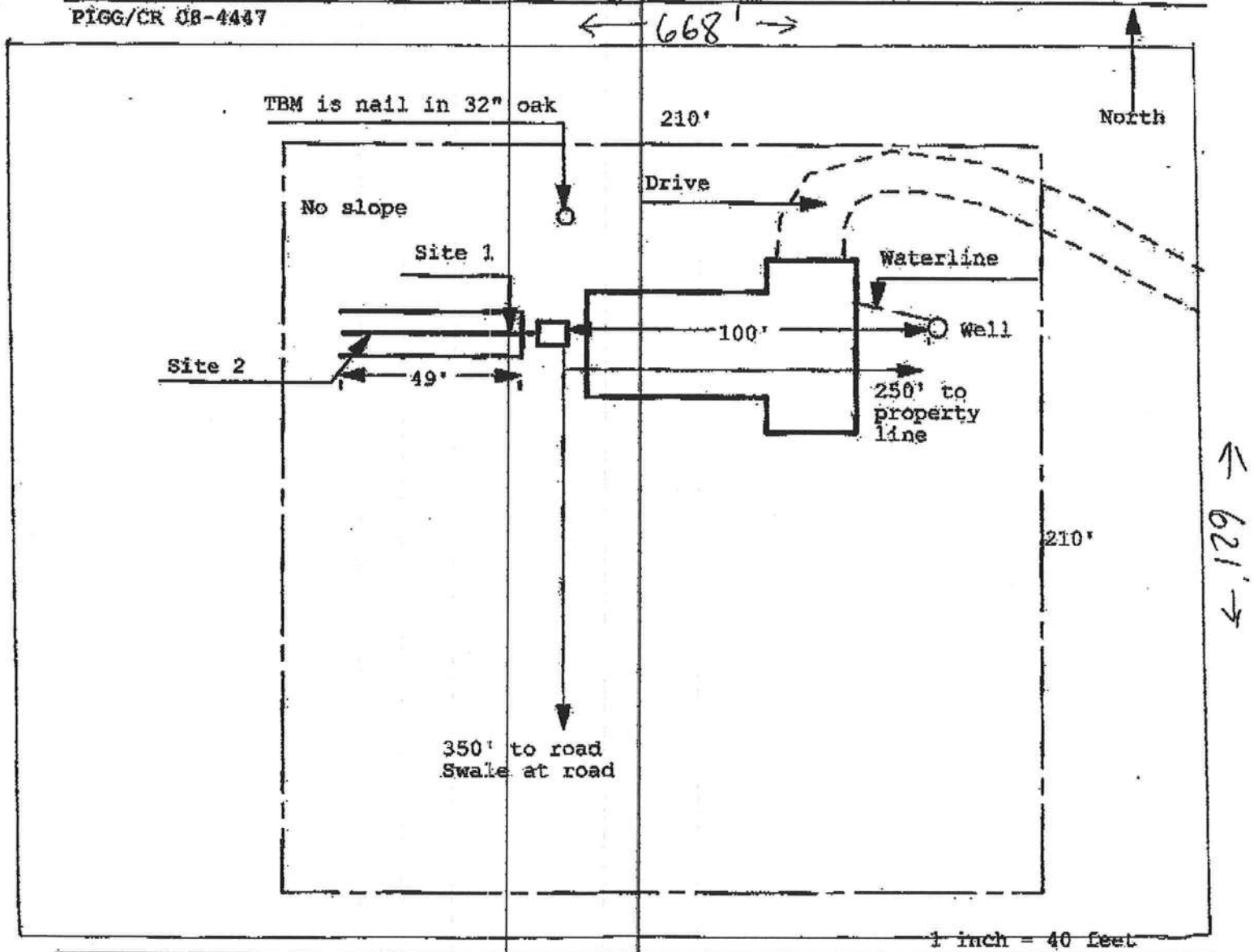
0808-30

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 08-0545

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PIGG/CR 08-4447



Site Plan Submitted By Tom Hays Date 7/8/08
 Plan Approved ☒ Not Approved ☐ Date 8-19-08

By Mark S. Lander CPHU

Notes:

Return To: Sierra Title, LLC
619 SW Baya Dr., Ste 102
Lake City, FL 32025

#08-0301

THIS INSTRUMENT WAS PREPARED BY
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Inst: 200812015370 Date: 8/19/2008 Time: 10:47 AM
CC, P. DeWitt Cason, Columbia County Page 1 of 2 8:1156 P:2121

PERMIT NO. _____

Transaction No. _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA

COUNTY OF Columbia

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

1. Description of property: See Exhibit A attached hereto.

2. General description of improvement: Construction of Building

3. Owner information:

a. Name and address: Robert H. Pigg & Karen L. Dudding
4440 SW Archer Rd., Lake City, FL 32056

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address): Adams Framing & Construction LLC
P.O. Box 1921, Lake City, FL 32056

5. Surety:

a. Name and address: _____

b. Amount of bond: _____

6. Lender: **FIRST FEDERAL BANK OF FLORIDA**
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

8. In addition to himself, Owner designates **PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90 P.O. Box 2029, Lake City, Florida 32056** to receive a copy Of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

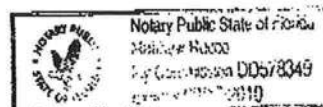
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified):

Robert H. Pigg
Borrower Name

Karen L. Dudding
Co-Borrower Name

The foregoing instrument was acknowledged before me this 14th day of AUGUST 2008, by Robert H. Pigg & Karen L. Dudding, who is personally known to me or who has produced driver's license for identification.

Notary Public
My Commission Expires: _____



Pigg, Dudding

Notice of Authorization

I, Adam Papka of Adam Frame & Construction, hereby authorize Linda Roder or Melanie Roder to be my Representative and act on my behalf in all aspects for applying for a Building Permit to be located in Columbia County.

X [Signature]
Contractor's Signature

7-24-08
Date

Sworn to and Subscribed before me this 24 day of July, 2008
by _____, who

☒ is Personally Known or

_____ has produced _____ as identification.

[Signature]
Notary Public

Notary Stamp

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Prepared by & Return to:
Matthew D. Rocco
Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 08-0170

Inst. 200812009979 Date: 5/22/2008 Time: 1:09 PM
Doc Stamp-Deed-420.00
P. DeWitt Cason, Columbia County Page 1 of 1 B-1150 P-2784

General Warranty Deed

Made this May 16, 2008 A.D. By **Timothy Acosta and his wife, Yolexys Acosta**, whose post office address is: 3362 NE 166 Street, North Miami Beach, FL 33160, hereinafter called the grantor, to **Robert H. Pigg and his wife, Karen Lee Pigg Dudding**, whose post office address is: 4440 SW Archer Rd., Gainesville, FL 32608, hereinafter called the grantee: *kd RHP*

(Whenever used herein the term "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)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Parcel 9 of an unrecorded subdivision being more particularly described as follows: The NW 1/4 of the SE 1/4 of the NW 1/4, lying in Section 36, Township 4 South, Range 15 East, Columbia County, Florida.

Parcel ID Number: 154S36-00415-109

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, 2007.

In-Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Printed Name

Yolexys K. Guez

Witness Printed Name

LAZARO GONZALEZ

State of Florida

County of Miami Dade

[Signature]
Timothy Acosta

Address: 3362 NE 166 Street, North Miami Beach, FL 33160

[Signature]
Yolexys Acosta

Address:

The foregoing instrument was acknowledged before me this 16 day of May, 2008, by Timothy Acosta and his wife, Yolexys Acosta, who are personally known to me or who has produced _____ as identification.

[Signature]
Notary Public
Print Name: Erick Abreu

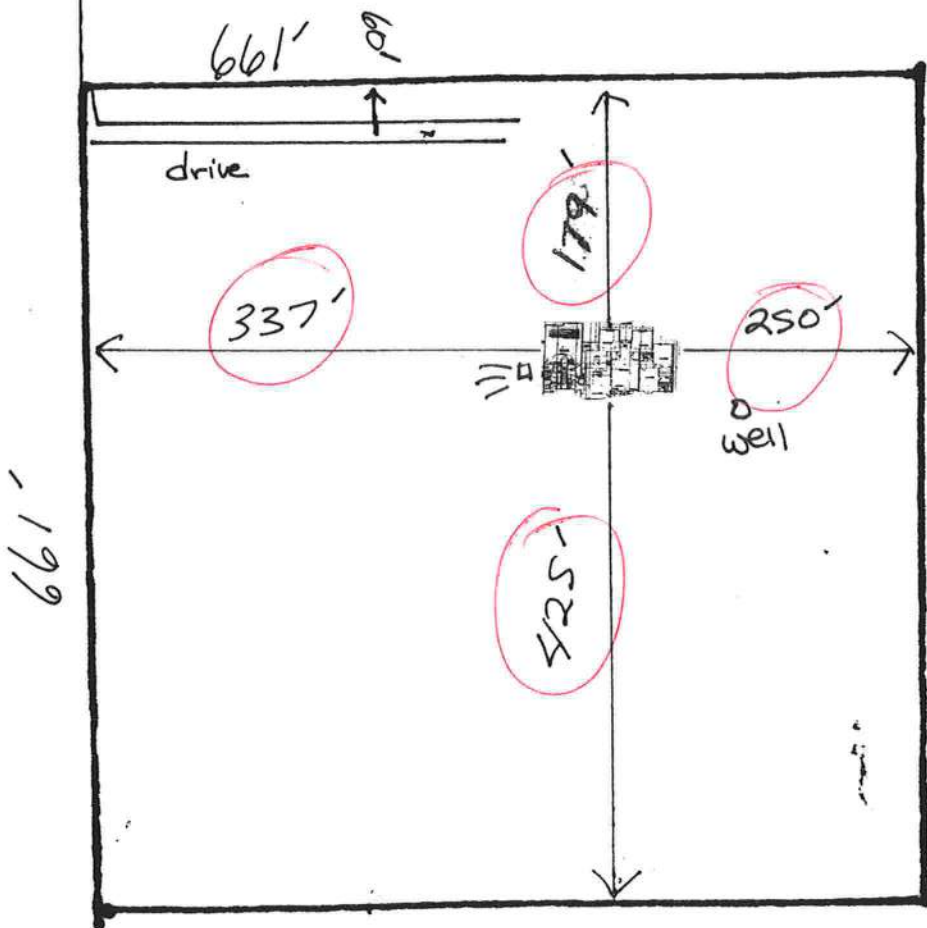
My Commission Expires: April 23, 2012

SW Happy Jack Dr

Robert & Karen Pigg
15-45-36-00415-110

Lot 10 Southwest Estates

10.04 acres



Columbia County Property Appraiser

DB Last Updated: 8/5/2008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 36-4S-15-00415-110

Owner & Property Info

Search Result: 1 of 1

Owner's Name	PIGG ROBERT H &		
Site Address			
Mailing Address	KAREN L DUDING 4440 SW ARCHER RD GAINESVILLE, FL 32608		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	36415.02	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	10.040 ACRES		
Description	(AKA LOT 10 SOUTHWEST ESTATES UNREC) NE1/4 OF SW1/4 OF NW1/4 ORB 950-675, WD 1151-48, WD 1151-50,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$71,535.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$71,535.00

Just Value	\$71,535.00
Class Value	\$0.00
Assessed Value	\$71,535.00
Exempt Value	\$0.00
Total Taxable Value	\$71,535.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
5/20/2008	1151/48	WD	V	U	08	\$39,900.00
5/16/2008	1151/50	WD	V	Q		\$60,000.00
3/25/2002	950/675	WD	V	U	01	\$12,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	10.040 AC	1.00/1.00/1.00/1.00	\$7,125.00	\$71,535.00

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

July 30, 2008

Notice To All Contractors:

To: Adam's Framing

Re: Robert Pigg

Please be advised that due to the new building codes we will
Use a large capacity diaphragm tank on all new well.
This will insure a minimum of one (1) minute draw down or
One (1) minute refill. If a smaller diaphragm tank is used then
We will install a cycle stop valve which will produce the same
Results. All wells will have a pump & tank combination that
Will be sufficient enough for each situation.

If you have any questions please feel free to call our office.

Thank You,

Donald Hall

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

#27297

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1785 City Lake City State FL Zip 32056
Company Business License No. JB103476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Adam's Framing & Construction Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Robert Pigg & Karen Dudding
Southwest Estates
349 SW Happy Jack Dr.
Lot #10 Lake City, FL 32024
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 9/17/08
Brand Name of Product(s) Used Bifen XTS
EPA Registration No. 53883-189
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 3905 Linear ft. 430 Linear ft. of Masonry Voids 414
Approximate Total Gallons of Solution Applied 880 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) S. Gregory / R. Dandy Certification No. (if required by State law) JB104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature _____ Date 9/17/08

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

27297

Job L283727	Truss T08	Truss Type MONO TRUSS	Qty 7	Ply 1	ADAM'S FRAMING - DUDGING RES. L283727023 Job Reference (optional) 6.300 s Apr 19 2008 Mitek Industries, Inc. Mon Dec 15 13:30:19 2008 Page 1
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Plate Offsets (X,Y): [2-0-1-12,0-1-8]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCCL 20.0	Plates Increase	1.25	TC 0.33	Vert(LL) -0.02	7-8 >999 360
TCDL 7.0	Lumber Increase	1.25	BC 0.12	Vert(TL) -0.03	7-8 >999 240
BCCL 10.0	Rep Stress Incr	YES	WB 0.20	Horz(TL) -0.00	7 n/a n/a
BCDL 5.0	Code FBC2004/TP12002		(Matrix)		
			PLATES		GRP
			MT20		244/190
			Weight: 75 lb		

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-7

REACTIONS (lb/size) 7=310/0-3-8, 9=444/0-3-3
Max Horiz 9=350 (load case 6)
Max Uplift 7=205 (load case 6), 9=63 (load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/70, 2-3=302/0, 3-4=104/63, 4-5=2/0, 4-7=122/139, 2-9=420/147
BOT CHORD 8-9=355/52, 7-8=217/184, 6-7=0/0
WEBS 3-8=0/139, 3-7=234/280, 2-8=0/198

JOINT STRESS INDEX
2 = 0.60, 3 = 0.16, 4 = 0.70, 7 = 0.21, 8 = 0.10 and 9 = 0.39

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip
DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 7 and 63 lb uplift at joint 9.
5) Truss Design Engineer: Julius Lee, PE, Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Job L283727	Truss T09	Truss Type SPECIAL	City 4	Ply 1	ADAM'S FRAMING - DUDDING RES. L283727024 Job Reference (optional)
Builders FirstSource, Lake City, FL 32055 6,300 s Apr 19 2006 Mitek Industries, Inc. Mon Dec 15 13:50:28 2008 Page 1					

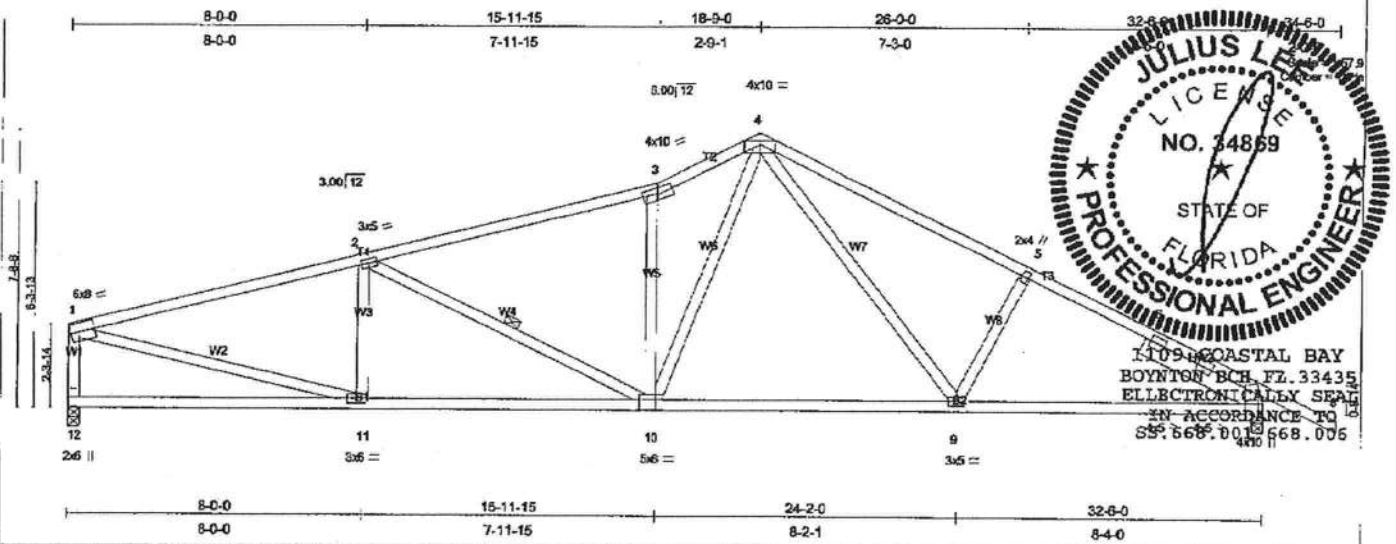


Plate Offsets (X,Y): [7-0-5-15,Edge], [10-0-2-8,0-3-4]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.86	in (loc) I/def L/d	GRIP
TCDL 7.0	Lumber Increase	1.25	BC 0.44	Vert(LL) 0.14 10-11 >999 360	MT20 244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.96	Vert(TL) -0.25 9-10 >999 240	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL) 0.06 7 n/a n/a	
Weight: 134 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 2-10
SUDER Right 2 X 6 SYP No.1D 3-7-13	

REACTIONS (lb/size) 12=1032/0-3-8, 7=1147/0-3-8
 Max Horz 12=154(load case 7)
 Max Uplift 12=244(load case 6), 7=299(load case 7)

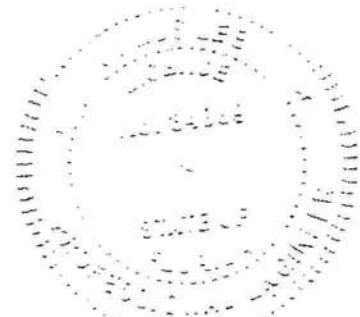
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=1705/985, 2-3=1524/934, 3-4=1632/1102, 4-5=1571/696, 5-6=1653/971, 6-7=1727/946, 7-8=0/26, 1-12=984/605
 BOT CHORD 11-12=58/152, 10-11=756/1607, 9-10=416/1125, 7-9=687/1438
 WEBS 2-11=316/270, 2-10=289/176, 3-10=615/458, 4-10=532/988, 4-9=240/388, 5-9=257/283, 1-11=835/1504

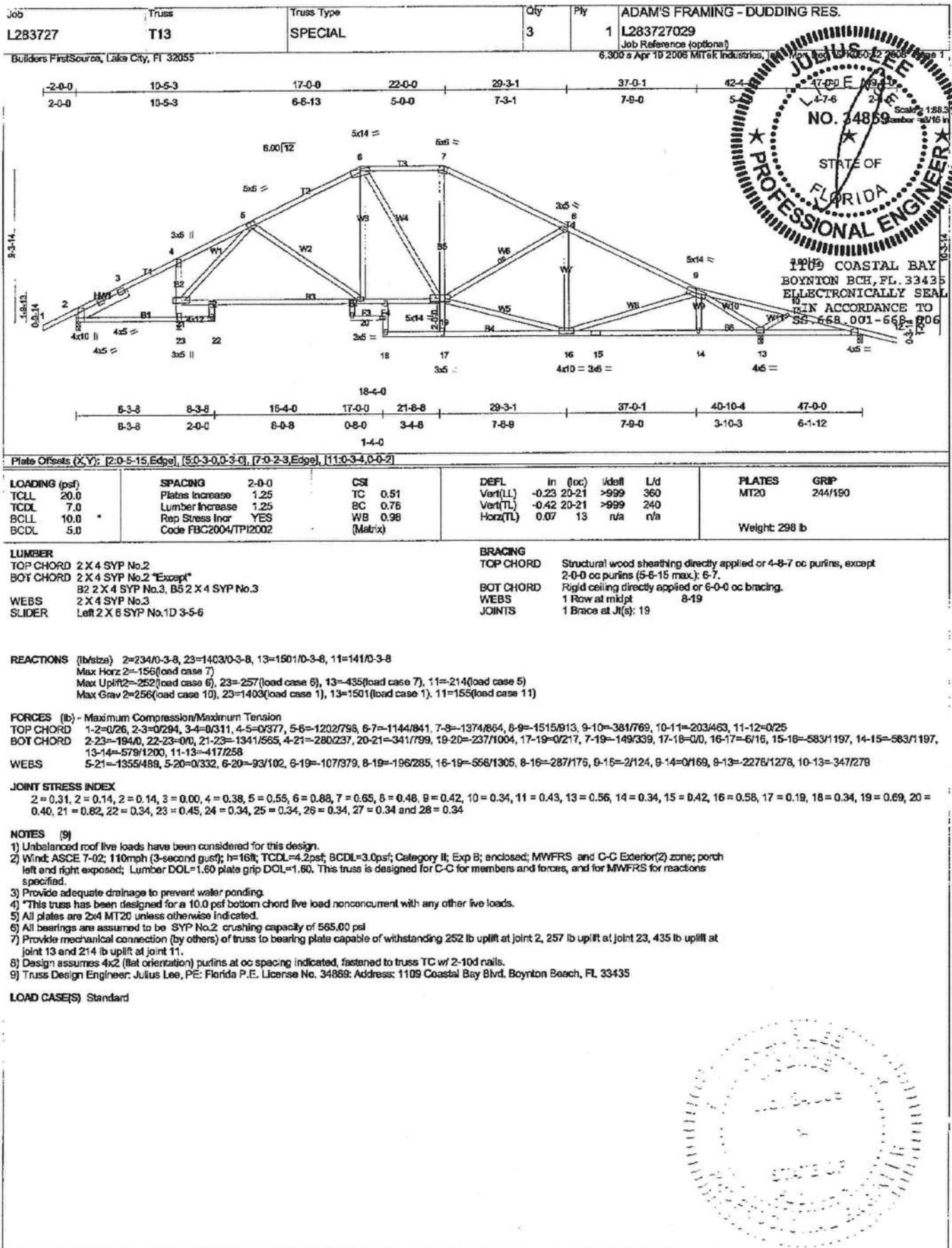
JOINT STRESS INDEX
 1=0.71, 2=0.44, 3=0.71, 4=0.58, 5=0.34, 6=0.00, 7=0.89, 7=0.39, 7=0.39, 9=0.46, 10=0.78, 11=0.84 and 12=0.84

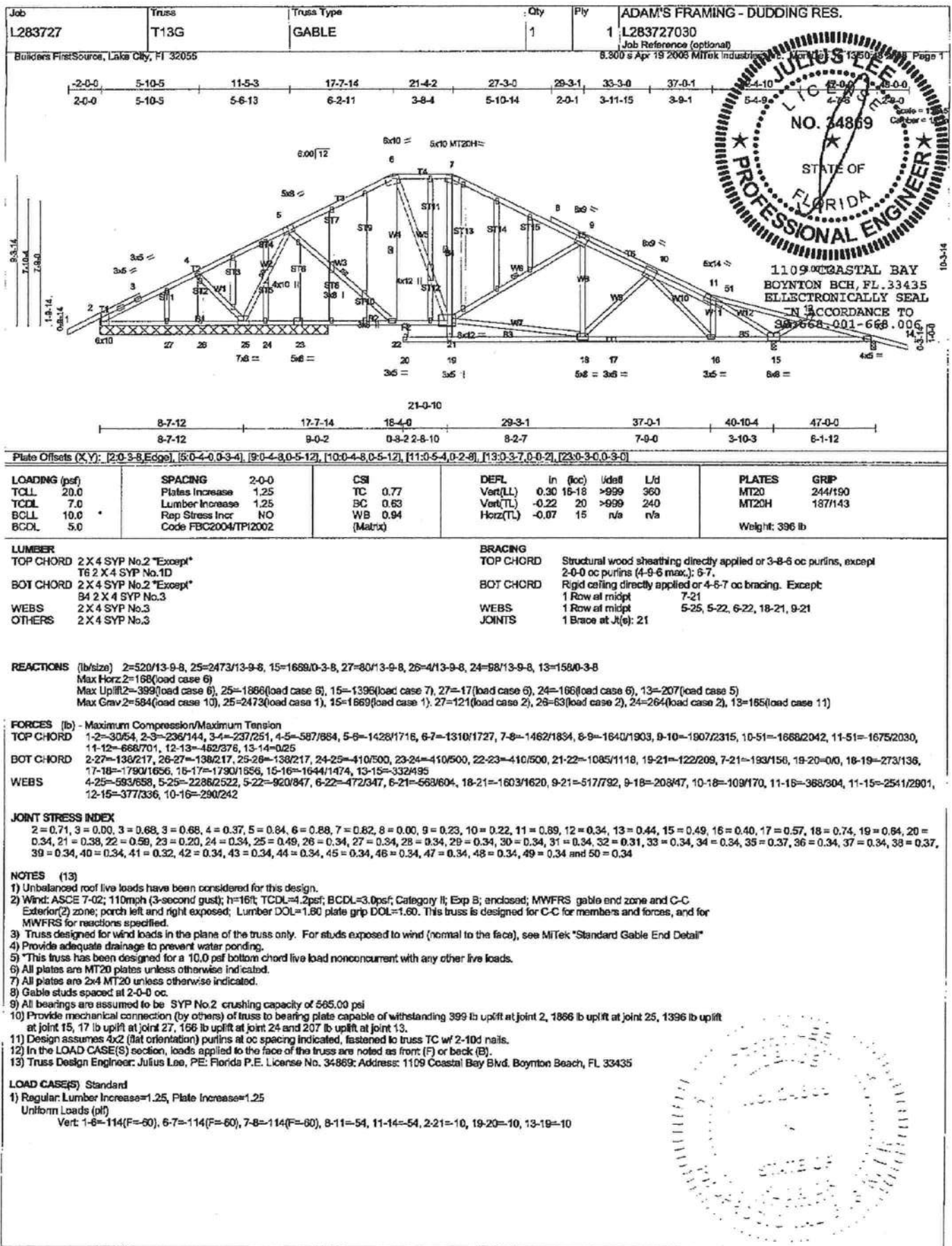
NOTES (5)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); $t=16ft$; $TCDL=4.2psf$; $BCDL=3.0psf$; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical right exposed; Lumber DCL=1.60 plate grip DCL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 585.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint 12 and 299 lb uplift at joint 7.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard







Job	Truss	Truss Type	City	Ply	ADAM'S FRAMING - DUDING RES.
L283727	T14	SPECIAL	2	1	L283727031
Builders FirstSource, Lake City, FL 32055					
6,300 s Apr 19 2005 Mitek Industries, Inc. Mon Dec 15 13:50:53 2008 Page 1					

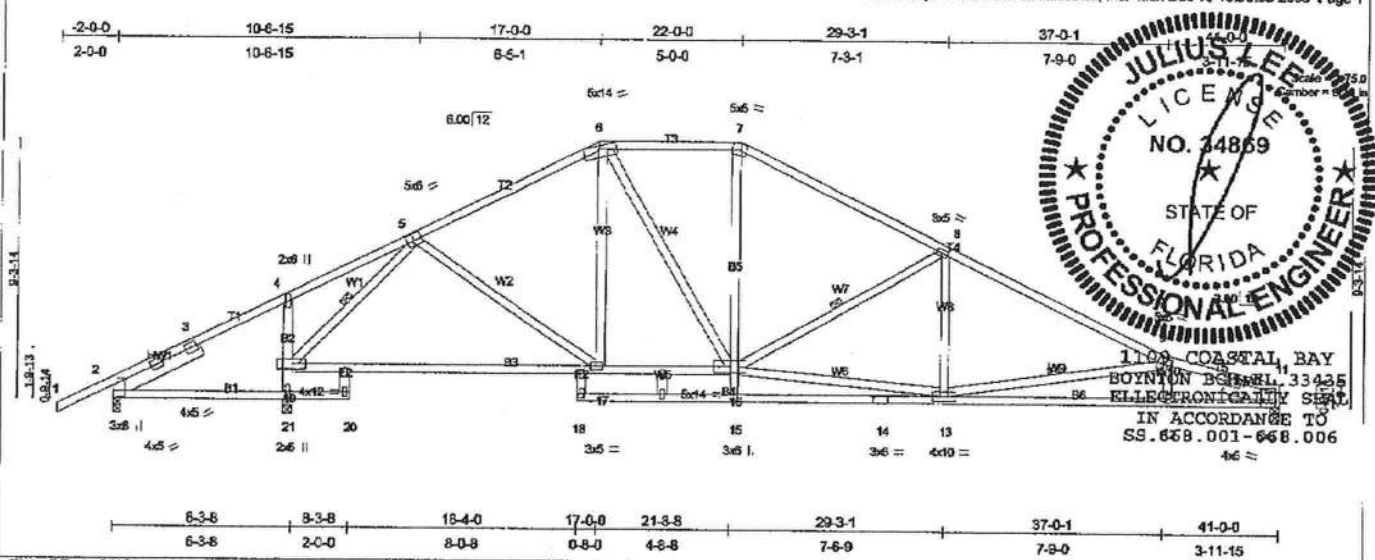


Plate Offsets (X,Y): [2-0-5-3-0-1-1], [5-0-3-0-0-3-0], [7-0-2-3-Edge], [11-0-6-0-1-9]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL.	PLATES
TCOL 20.0	Plates Increase	1.25	TC 0.79	in (loc)	MT20
TCOL 7.0	Lumber Increase	1.25	BC 0.94	Vert(TL) -0.67	GRIP
BCOL 10.0	Rep Stress Incr	YES	WB 0.71	Horz(TL) 0.06	244/H90
BCOL 5.0	Code FBC2004/TP12002		(Matrix)		
Weight: 266 lb					

LUMBER	BRACING
TOP CHORD	TOP CHORD
2 X 4 SYP No.2 "Except"	Structural wood sheathing directly applied or 2-3-2 oc purlins, except
T5 2 X 4 SYP No.1D	2-0-0 oc purlins (5-4-14 max.): 5-7.
BOT CHORD	BOT CHORD
2 X 4 SYP No.2 "Except"	Rigid ceiling directly applied or 5-1-2 oc bracing.
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3	WEBS
2 X 4 SYP No.3	1 Row at midpt
SLIDER	JOINTS
Left 2 X 6 SYP No.1D 3-5-6, Right 2 X 6 SYP No.1D 1-11-9	1 Brace at Jt(s): 16

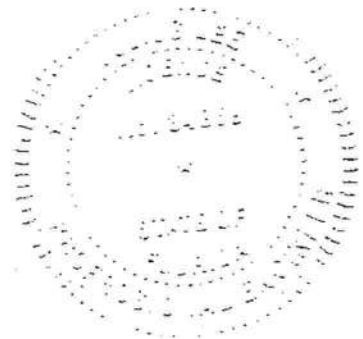
REACTIONS (lb/size) 11=1111/0-3-8, 2=180/0-3-8, 21=1518/0-3-8
 Max Horz 2=131 (load case 6)
 Max Uplift 11=255 (load case 7), 2=232 (load case 6), 21=279 (load case 6)
 Max Grav 11=1111 (load case 1), 2=227 (load case 10), 21=1518 (load case 1)

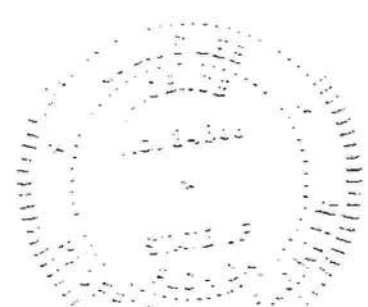
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/26, 2-3=0/319, 3-4=0/337, 4-5=0/319, 5-6=1247/792, 6-7=1216/851, 7-8=1454/875, 8-9=1931/1102, 9-10=2700/1538, 10-11=2731/1520
 BOT CHORD 2-21=-266/0, 20-21=0/0, 19-21=-1462/72, 4-19=-280/246, 17-19=-378/784, 16-17=320/1044, 15-16=0/285, 7-16=-160/401, 15-16=0/0, 14-15=-178/15, 13-14=-178/15, 12-13=-1419/2557, 11-12=-1408/2554
 WEBS 5-19=-1517/621, 5-17=0/396, 6-17=-127/55, 6-16=-137/438, 8-16=-550/481, 13-16=-728/1577, 8-13=0/164, 9-13=-898/522, 9-12=32/140

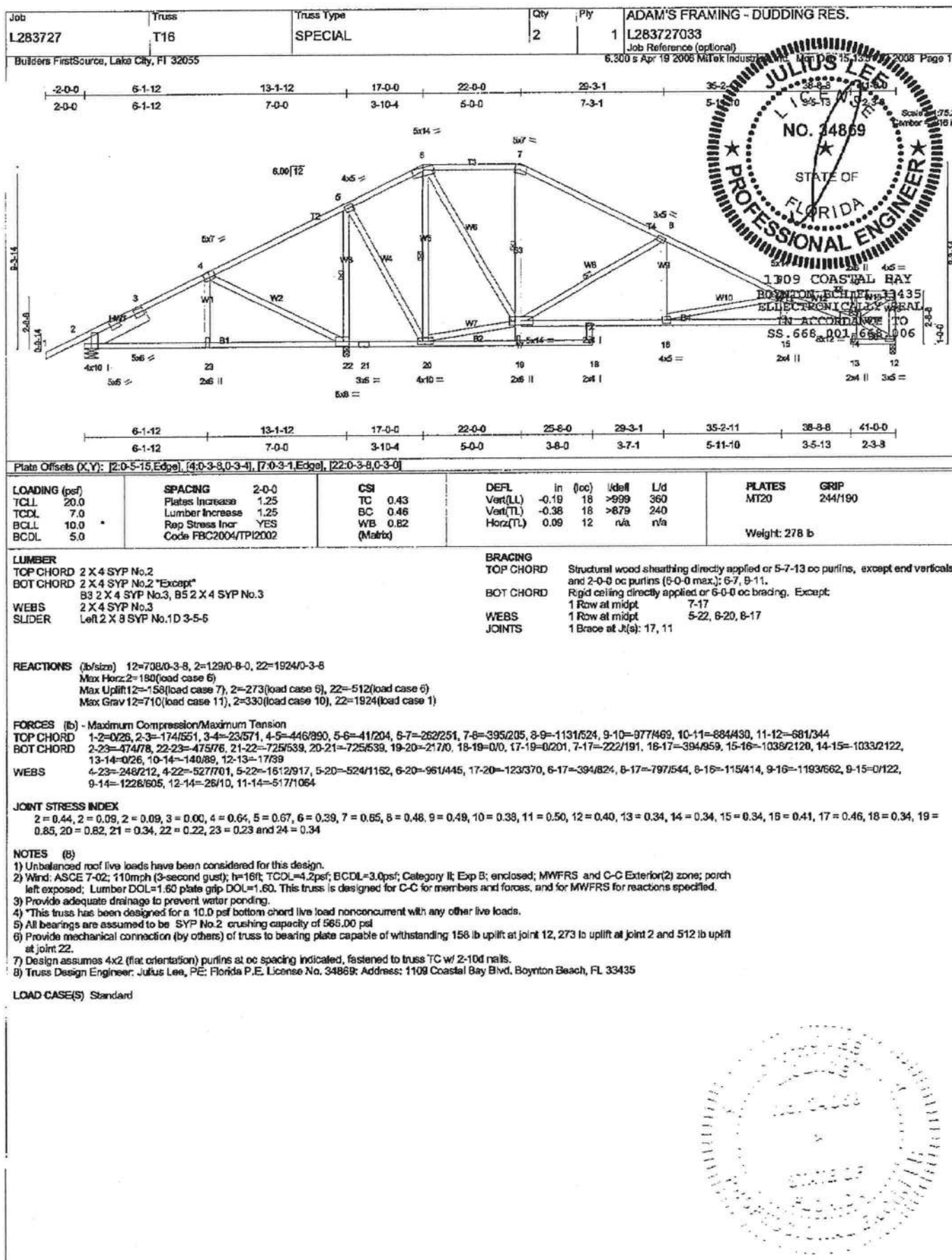
JOINT STRESS INDEX
 2 = 0.79, 2 = 0.14, 2 = 0.14, 3 = 0.00, 4 = 0.61, 5 = 0.55, 6 = 0.88, 7 = 0.61, 8 = 0.48, 9 = 0.54, 10 = 0.00, 11 = 0.86, 11 = 0.99, 12 = 0.34, 13 = 0.83, 14 = 0.15, 15 = 0.94, 16 = 0.68, 17 = 0.40, 18 = 0.34, 19 = 0.85, 20 = 0.34, 21 = 0.67, 22 = 0.34, 23 = 0.34, 24 = 0.34 and 25 = 0.34

- NOTES** (9)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCOL=4.2psf; BCOL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 11, 232 lb uplift at joint 2 and 279 lb uplift at joint 21.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Truss Design Engineer: Julius Lee, P.E. Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

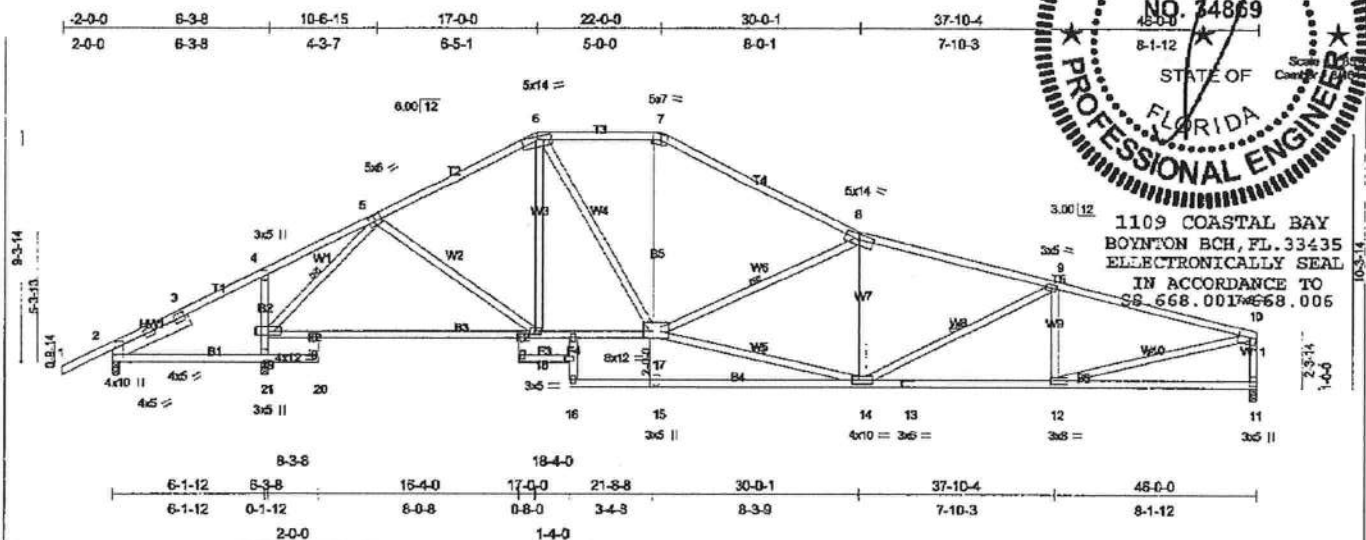
LOAD CASE(S) Standard



LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - DIMENSIONS
L283727	T17	SPECIAL	3	1	L283727034
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.300 s Apr 18 2006 Mittek Industries, Inc. Mon Dec 15 1:35:28 2008 Page



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	Idell	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 1.00	Vert(LL)	-0.23 18-19	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.92	Vert(TL)	-0.43 18-19	>999	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.68	Horz(TL)	0.07 11	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 301 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-14 max.); 6-7.
BOT CHORD 2 X 4 SYP No.2 "Except"	BOT CHORD Rigid ceiling directly applied or 5-10-14 oc bracing.
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3	WEBS 1 Row at midpt. 5-19, 8-17, 14-17, 9-14, 10-12
WEBS 2 X 4 SYP No.3	JOINTS 1 Brace at J(s): 17
SLIDER Left 2 X 6 SYP No.1D 3-5-6	

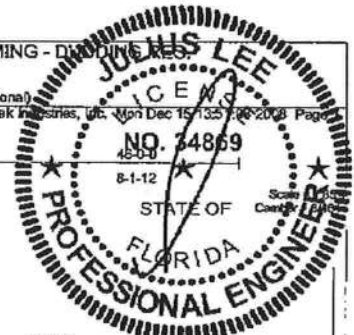
REACTIONS (lb/size) 2=161/0-3-8, 21=1656/0-3-8, 11=1262/0-3-8
 Max Horz 2=153(load case 6)
 Max Uplift 2=221 (load case 6), 21=317 (load case 6), 11=306 (load case 7)
 Max Grav 2=228 (load case 10), 21=1656 (load case 1), 11=1262 (load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/28, 2-3=0/309, 3-4=0/327, 4-5=0/313, 5-6=1461/827, 6-7=1497/1036, 7-8=1775/1071, 8-9=2157/1285, 9-10=2189/1230, 10-11=1212/728
 BOT CHORD 2-21=258/0, 20-21=0/0, 18-21=1601/796, 4-19=281/251, 18-19=500/914, 17-18=493/1234, 15-17=0/237, 7-17=204/451, 15-16=0/0, 14-15=11/39, 13-14=1135/2054,
 12-13=1135/2054, 11-12=108/174
 WEBS 5-19=1703/781, 5-18=0/466, 6-18=168/48, 6-17=266/606, 6-17=637/509, 14-17=1116/2072, 8-14=404/285, 9-14=56/122, 9-12=418/322, 10-12=1061/1941

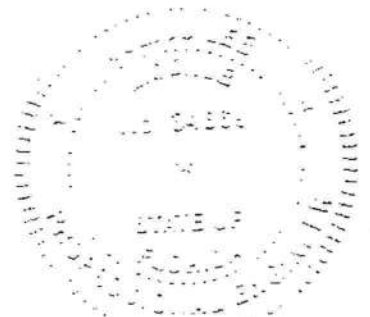
JOINT STRESS INDEX
 2 = 0.28, 2 = 0.14, 2 = 0.14, 3 = 0.00, 4 = 0.44, 5 = 0.56, 6 = 0.87, 7 = 0.73, 8 = 0.51, 9 = 0.44, 10 = 0.89, 11 = 0.59, 12 = 0.76, 13 = 0.71, 14 = 0.93, 15 = 0.18, 16 = 0.34, 17 = 0.46, 18 = 0.40, 19 = 0.85, 20 = 0.34, 21 = 0.48, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34 and 26 = 0.34

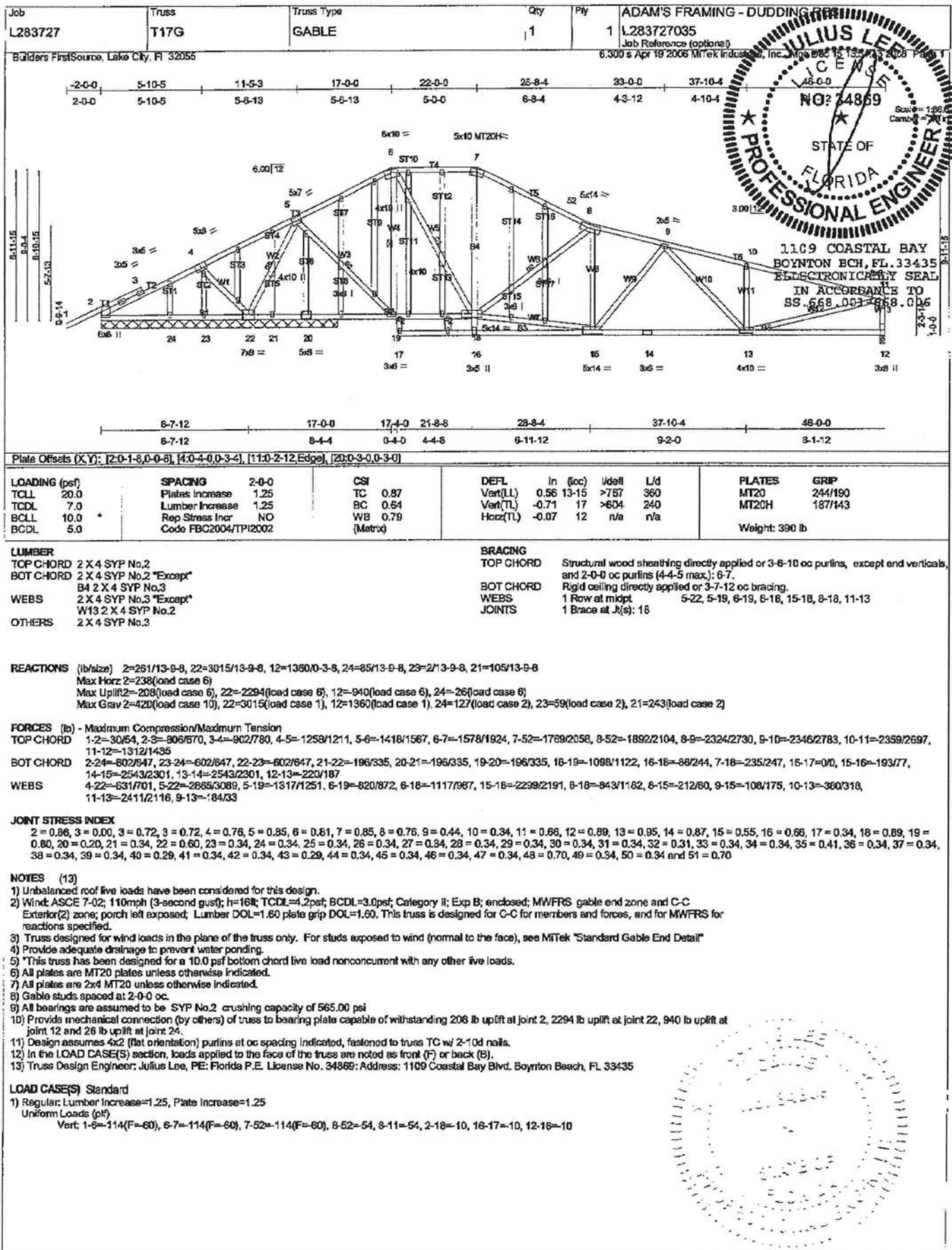
- NOTES (9)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Provide adequate drainage to prevent water ponding.
 - *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 2, 317 lb uplift at joint 21 and 306 lb uplift at joint 11.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd, Boynton Beach, FL 33435

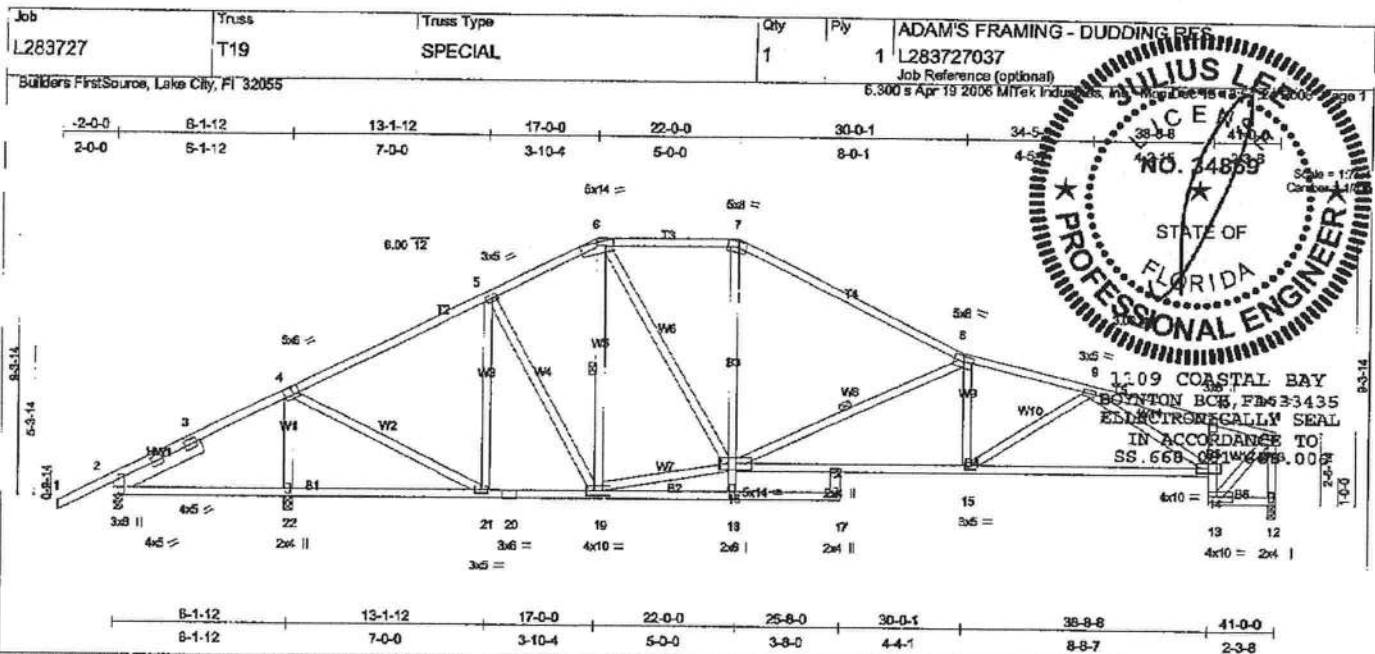
LOAD CASE(S) Standard



1109 COASTAL BAY
 BOYNTON BCH, FL 33435
 ELECTRONICALLY SEAL
 IN ACCORDANCE TO
 SS 668.001-668.006







LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCUL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	-0.22	17	>999	360	MT20	244/190
TCOL 7.0	Lumber Increase	1.25	BC 0.99	Vert(TL)	-0.45	17	>918	240		
BCUL 10.0	Rep Stress (incr	YES	WB 0.54	Horz(TL)	0.17	12	n/a	n/a		
BCOL 5.0	Code FBC2004/TP12002		(Matrix)							
Weight: 273 lb										

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD
BOT CHORD 2 X 4 SYP No.2 "Except"	Structural wood sheathing directly applied or 3-10-15 oc purlins, except end
B3 2 X 4 SYP No.3	verticals, and 2-0-0 oc purlins (5-5-4 max.); 6-7,
WEBS 2 X 4 SYP No.3	Rigid ceiling directly applied or 2-2-0 oc bracing.
SLIDER Left 2 X 6 SYP No.1D 3-5-6	1 Row at midpt 6-13, 8-16

REACTIONS (lb/size) 2=360/3-8, 12=1079/0-3-8, 22=1648/0-3-8
 Max Horiz 2=173(load case 6)
 Max Uplift 2=169(load case 6), 12=238(load case 7), 22=350(load case 6)
 Max Grav 2=167(load case 10), 12=1079(load case 1), 22=1648(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/26, 2-3=210/504, 3-4=193/550, 4-5=895/557, 5-6=971/702, 6-7=1138/787, 7-8=1378/803, 8-9=2128/1205, 9-10=1233/698, 10-11=621/459, 11-12=1214/673
 BOT CHORD 2-22=434/140, 21-22=410/121, 20-21=326/720, 19-20=326/720, 18-19=201/0, 17-18=0/0, 16-18=0/204, 7-16=44/335, 15-16=1068/2046, 14-15=1033/1908, 13-14=703/411,
 10-14=179/165, 12-13=7/16
 WEBS 4-22=1555/892, 4-21=504/1230, 5-21=521/295, 5-19=44/317, 6-19=383/40, 16-19=221/833, 6-16=274/672, 8-16=1000/370, 8-15=3/163, 9-15=4/0/197, 9-14=893/499,
 11-13=633/1134

JOINT STRESS INDEX
 2 = 0.79, 2 = 0.14, 2 = 0.14, 3 = 0.00, 4 = 0.74, 5 = 0.48, 6 = 0.35, 7 = 0.87, 8 = 0.74, 9 = 0.44, 10 = 0.87, 11 = 0.59, 12 = 0.44, 13 = 0.72, 14 = 0.51, 15 = 0.40, 16 = 0.37, 17 = 0.34, 18 = 0.77, 19 = 0.45, 20 = 0.24, 21 = 0.82, 22 = 0.57 and 23 = 0.34

NOTES (8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCOL=4.2psf; BCOL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2, 238 lb uplift at joint 12 and 350 lb uplift at joint 22.
- Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
- Truss Design Engineer: Julius Lee, P.E. Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



COLUMBIA COUNTY, FLORIDA

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 36-4S-15-00415-110

Building permit No. 000027297

Use Classification SFD/UTILITY

Fire: 97.76

Permit Holder ADAM PAPKA

Waste: 134.00

Owner of Building ROBERT PIGG & KAREN DUDDING

Total: 231.76

Location: 349 SW HAPPY JACK DRIVE, LAKE CITY, FL

Date: 02/20/2009



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Residential System Sizing Calculation

Summary

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

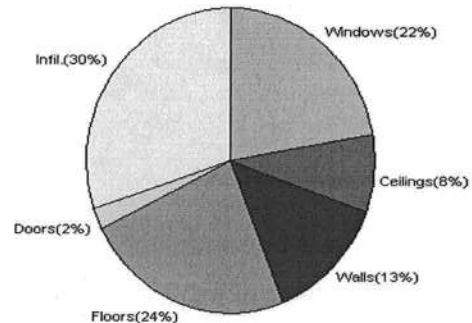
7/25/2008

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	51086 Btuh	Total cooling load calculation	45244 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.4 61000	Sensible (SHR = 0.75)	124.6 45750
Heat Pump + Auxiliary(0.0kW)	119.4 61000	Latent	178.6 15250
		Total (Electric Heat Pump)	134.8 61000

WINTER CALCULATIONS

Winter Heating Load (for 2688 sqft)

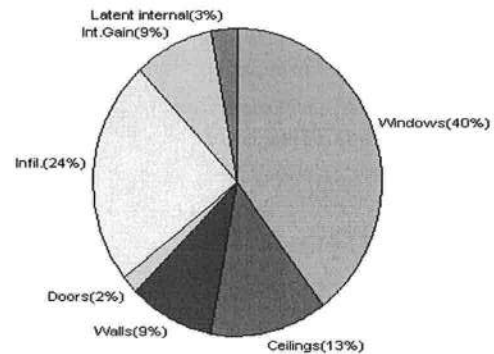
Load component	Load
Window total 357 sqft	11476 Btuh
Wall total 2091 sqft	6867 Btuh
Door total 90 sqft	1163 Btuh
Ceiling total 3561 sqft	4196 Btuh
Floor total See detail report	12204 Btuh
Infiltration 375 cfm	15180 Btuh
Duct loss	0 Btuh
Subtotal	51086 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	51086 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2688 sqft)

Load component	Load
Window total 357 sqft	17907 Btuh
Wall total 2091 sqft	4211 Btuh
Door total 90 sqft	880 Btuh
Ceiling total 3561 sqft	5897 Btuh
Floor total	163 Btuh
Infiltration 195 cfm	3636 Btuh
Internal gain	4010 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	36705 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	7139 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1400 Btuh
Total latent gain	8539 Btuh
TOTAL HEAT GAIN	45244 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 7/25/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

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

7/25/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	6.0		32.2	193 Btuh
2	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	9.0		32.2	290 Btuh
6	2, Clear, Metal, 0.87	NW	63.0		32.2	2028 Btuh
7	2, Clear, Metal, 0.87	SW	10.0		32.2	322 Btuh
8	2, Clear, Metal, 0.87	NW	36.0		32.2	1159 Btuh
9	2, Clear, Metal, 0.87	NE	20.0		32.2	644 Btuh
10	2, Clear, Metal, 0.87	NE	16.0		32.2	515 Btuh
11	2, Clear, Metal, 0.87	NE	4.0		32.2	129 Btuh
12	2, Clear, Metal, 0.87	SE	45.0		32.2	1449 Btuh
13	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
14	2, Clear, Metal, 0.87	SE	18.0		32.2	579 Btuh
15	2, Clear, Metal, 0.87	SE	13.5		32.2	435 Btuh
16	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
Window Total			357(sqft)			11476 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1754		3.3	5760 Btuh
2	Frame - Wood - Adj(0.09)	13.0	260		3.3	854 Btuh
3	Frame - Wood - Ext(0.09)	13.0	77		3.3	253 Btuh
Wall Total			2091			6867 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		30		12.9	388 Btuh
4	Insulated - Exterior		20		12.9	256 Btuh
Door Total			90			1163Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	832		1.2	980 Btuh
2	Vented Attic/D/Shin)	30.0	2729		1.2	3216 Btuh
Ceiling Total			3561			4196Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Raised Wood - Adj	19	271.0 sqft		1.9	503 Btuh
2	Slab On Grade	0	268.0 ft(p)		43.7	11701 Btuh
Floor Total			539			12204 Btuh
Zone Envelope Subtotal:						35905 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	Load
	Natural	0.94		21753	374.8	15180 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
EnergyGauge® FLR2PB v4.1						

Manual J Winter Calculations

Residential Load - Component Details (continued)

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

Zone #1	Sensible Zone Subtotal	51086 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	51086 Btuh 0 Btuh 51086 Btuh
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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)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

7/25/2008

Component Loads for Zone #1: 1st Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	6.0		32.2	193 Btuh
2	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	9.0		32.2	290 Btuh
6	2, Clear, Metal, 0.87	NW	63.0		32.2	2028 Btuh
7	2, Clear, Metal, 0.87	SW	10.0		32.2	322 Btuh
8	2, Clear, Metal, 0.87	NW	36.0		32.2	1159 Btuh
9	2, Clear, Metal, 0.87	NE	20.0		32.2	644 Btuh
10	2, Clear, Metal, 0.87	NE	16.0		32.2	515 Btuh
11	2, Clear, Metal, 0.87	NE	4.0		32.2	129 Btuh
12	2, Clear, Metal, 0.87	SE	45.0		32.2	1449 Btuh
13	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
14	2, Clear, Metal, 0.87	SE	18.0		32.2	579 Btuh
15	2, Clear, Metal, 0.87	SE	13.5		32.2	435 Btuh
Window Total			351(sqft)			11283 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1754		3.3	5760 Btuh
2	Frame - Wood - Adj(0.09)	13.0	260		3.3	854 Btuh
Wall Total			2014			6614 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		30		12.9	388 Btuh
4	Insulated - Exterior		20		12.9	256 Btuh
Door Total			90			1163Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2729		1.2	3216 Btuh
Ceiling Total			2729			3216Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	268.0	ft(p)	43.7	11701 Btuh
Floor Total			268			11701 Btuh
Zone Envelope Subtotal:						33976 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		Load
	Natural	0.94	21753	374.8		14621 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					48597 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

Component Loads for Zone #2: 2nd Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
2	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
	Window Total		6(sqft)		193 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	77	3.3	253 Btuh
	Wall Total		77		253 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	832	1.2	980 Btuh
	Ceiling Total		832		980Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	271.0 sqft	1.9	503 Btuh
	Floor Total		271		503 Btuh
Zone Envelope Subtotal:					1929 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.94	2168	374.8	559 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #2	Sensible Zone Subtotal				2488 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	51086 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	51086 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

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

7/25/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	7.5ft	5ft.	6.0	0.0	6.0	29	60	360	Btuh	
2	2, Clear, 0.87, None,N,N	NW	7.5ft	8ft.	20.0	0.0	20.0	29	60	1201	Btuh	
3	2, Clear, 0.87, None,N,N	NW	13ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh	
4	2, Clear, 0.87, None,N,N	SW	35.5f	8ft.	10.0	10.0	0.0	29	63	290	Btuh	
5	2, Clear, 0.87, None,N,N	NW	13ft.	2ft.	9.0	0.0	9.0	29	60	540	Btuh	
6	2, Clear, 0.87, None,N,N	NW	9.5ft	8ft.	63.0	0.0	63.0	29	60	3782	Btuh	
7	2, Clear, 0.87, None,N,N	SW	7.5ft	8ft.	10.0	10.0	0.0	29	63	290	Btuh	
8	2, Clear, 0.87, None,N,N	NW	1.5ft	8ft.	36.0	0.0	36.0	29	60	2161	Btuh	
9	2, Clear, 0.87, None,N,N	NE	1.5ft	7ft.	20.0	0.0	20.0	29	60	1201	Btuh	
10	2, Clear, 0.87, None,N,N	NE	1.5ft	6ft.	16.0	0.0	16.0	29	60	961	Btuh	
11	2, Clear, 0.87, None,N,N	NE	1.5ft	4ft.	4.0	0.0	4.0	29	60	240	Btuh	
12	2, Clear, 0.87, None,N,N	SE	1.5ft	7ft.	45.0	4.7	40.3	29	63	2656	Btuh	
13	2, Clear, 0.87, None,N,N	SE	7.5ft	8ft.	60.0	60.0	0.0	29	63	1738	Btuh	
14	2, Clear, 0.87, None,N,N	SE	7.5ft	3ft.	18.0	18.0	0.0	29	63	521	Btuh	
15	2, Clear, 0.87, None,N,N	SE	14.5f	10ft.	13.5	13.5	0.0	29	63	391	Btuh	
16	2, Clear, 0.87, None,N,N	SE	0ft.	0ft.	6.0	0.0	6.0	29	63	375	Btuh	
	Window Total				357 (sqft)					17907 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		1754.0		2.1		3659 Btuh				
2	Frame - Wood - Adj	13.0/0.09		260.0		1.5		392 Btuh				
3	Frame - Wood - Ext	13.0/0.09		77.0		2.1		161 Btuh				
	Wall Total				2091 (sqft)				4211 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Adjacent			20.0		9.8		196 Btuh				
2	Insulated - Exterior			20.0		9.8		196 Btuh				
3	Insulated - Exterior			30.0		9.8		294 Btuh				
4	Insulated - Exterior			19.8		9.8		194 Btuh				
	Door Total				90 (sqft)				880 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		832.0		1.7		1378 Btuh				
2	Vented Attic/DarkShingle	30.0		2729.0		1.7		4519 Btuh				
	Ceiling Total				3561 (sqft)				5897 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Raised Wood - Adj	19.0		271 (sqft)		0.6		163 Btuh				
2	Slab On Grade	0.0		268 (ft(p))		0.0		0 Btuh				
	Floor Total				539.0 (sqft)				163 Btuh			
	Zone Envelope Subtotal:									29059 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.49		21753		195.4		3636 Btuh				
Internal gain	Occupants		Btuh/occupant		Appliance		Load					
	7		X 230 +		2400		4010 Btuh					
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
	Sensible Zone Load									36705 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	36705 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	36705 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	36705 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7139 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (7 people @ 200 Btuh per person)	1400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8539 Btuh
	TOTAL GAIN	45244 Btuh

*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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

7/25/2008

Component Loads for Zone #1: 1st Floor

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	7.5ft	5ft.	6.0	0.0	6.0	29	60	360	Btuh
2	2, Clear, 0.87, None,N,N	NW	7.5ft	8ft.	20.0	0.0	20.0	29	60	1201	Btuh
3	2, Clear, 0.87, None,N,N	NW	13ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh
4	2, Clear, 0.87, None,N,N	SW	35.5f	8ft.	10.0	10.0	0.0	29	63	290	Btuh
5	2, Clear, 0.87, None,N,N	NW	13ft.	2ft.	9.0	0.0	9.0	29	60	540	Btuh
6	2, Clear, 0.87, None,N,N	NW	9.5ft	8ft.	63.0	0.0	63.0	29	60	3782	Btuh
7	2, Clear, 0.87, None,N,N	SW	7.5ft	8ft.	10.0	10.0	0.0	29	63	290	Btuh
8	2, Clear, 0.87, None,N,N	NW	1.5ft	8ft.	36.0	0.0	36.0	29	60	2161	Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft	7ft.	20.0	0.0	20.0	29	60	1201	Btuh
10	2, Clear, 0.87, None,N,N	NE	1.5ft	6ft.	16.0	0.0	16.0	29	60	961	Btuh
11	2, Clear, 0.87, None,N,N	NE	1.5ft	4ft.	4.0	0.0	4.0	29	60	240	Btuh
12	2, Clear, 0.87, None,N,N	SE	1.5ft	7ft.	45.0	4.7	40.3	29	63	2656	Btuh
13	2, Clear, 0.87, None,N,N	SE	7.5ft	8ft.	60.0	60.0	0.0	29	63	1738	Btuh
14	2, Clear, 0.87, None,N,N	SE	7.5ft	3ft.	18.0	18.0	0.0	29	63	521	Btuh
15	2, Clear, 0.87, None,N,N	SE	14.5f	10ft.	13.5	13.5	0.0	29	63	391	Btuh
	Window Total				351 (sqft)					17532 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1754.0			2.1		3659 Btuh	
2	Frame - Wood - Adj	13.0/0.09			260.0			1.5		392 Btuh	
	Wall Total				2014 (sqft)					4051 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				30.0			9.8		294 Btuh	
4	Insulated - Exterior				19.8			9.8		194 Btuh	
	Door Total				90 (sqft)					880 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			2729.0			1.7		4519 Btuh	
	Ceiling Total				2729 (sqft)					4519 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			268 (ft(p))			0.0		0 Btuh	
	Floor Total				268.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									26983 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.49			21753			195.4		3502 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 230 +			2400		3780 Btuh		
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									34264 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

Component Loads for Zone #2: 2nd Floor

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	SE	0ft.	0ft.	6.0	0.0	6.0	29	63	375 Btuh
	Window Total				6 (sqft)					375 Btuh
Walls 1	Type	R-Value/U-Value		Area(sqft)			HTM		Load	
	Frame - Wood - Ext	13.0/0.09		77.0			2.1		161 Btuh	
	Wall Total			77 (sqft)					161 Btuh	
Ceilings 1	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load	
	Vented Attic/DarkShingle	30.0		832.0			1.7		1378 Btuh	
	Ceiling Total			832 (sqft)					1378 Btuh	
Floors 1	Type	R-Value		Size			HTM		Load	
	Raised Wood - Adj	19.0		271 (sqft)			0.6		163 Btuh	
	Floor Total			271.0 (sqft)					163 Btuh	
	Zone Envelope Subtotal:									2077 Btuh
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural	0.49		2168			195.4		134 Btuh	
Internal gain	Occupants		Btuh/occupant			Appliance		Load		
	1		X	230	+	0		230 Btuh		
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
	Sensible Zone Load									2441 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	36705 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	36705 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	36705 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7139 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (7 people @ 200 Btuh per person)	1400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8539 Btuh
	TOTAL GAIN	45244 Btuh

*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)



For Florida residences only

Residential Window Diversity

MidSummer

Pigg Rob & Dudding, Karen
Happy Jack Lane
Lake City, FL

Project Title:
806113PiggRob&DuddingKaren

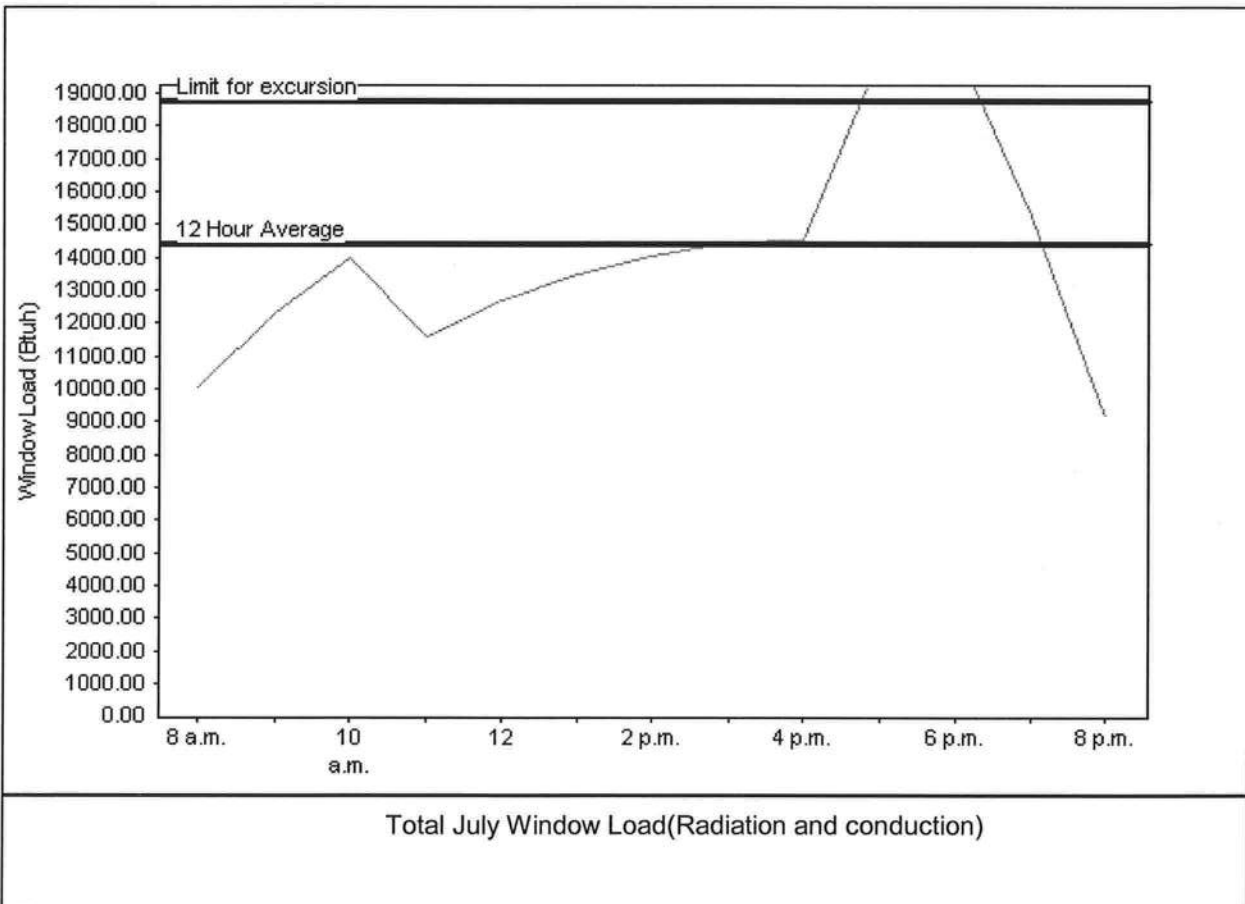
Class 3 Rating
Registration No. 0
Climate: North

7/25/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14416 Btu
Summer setpoint	75 F	Peak window load for July	20298 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18741 Btu
Latitude	29 North	Window excursion (July)	1557 Btu

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

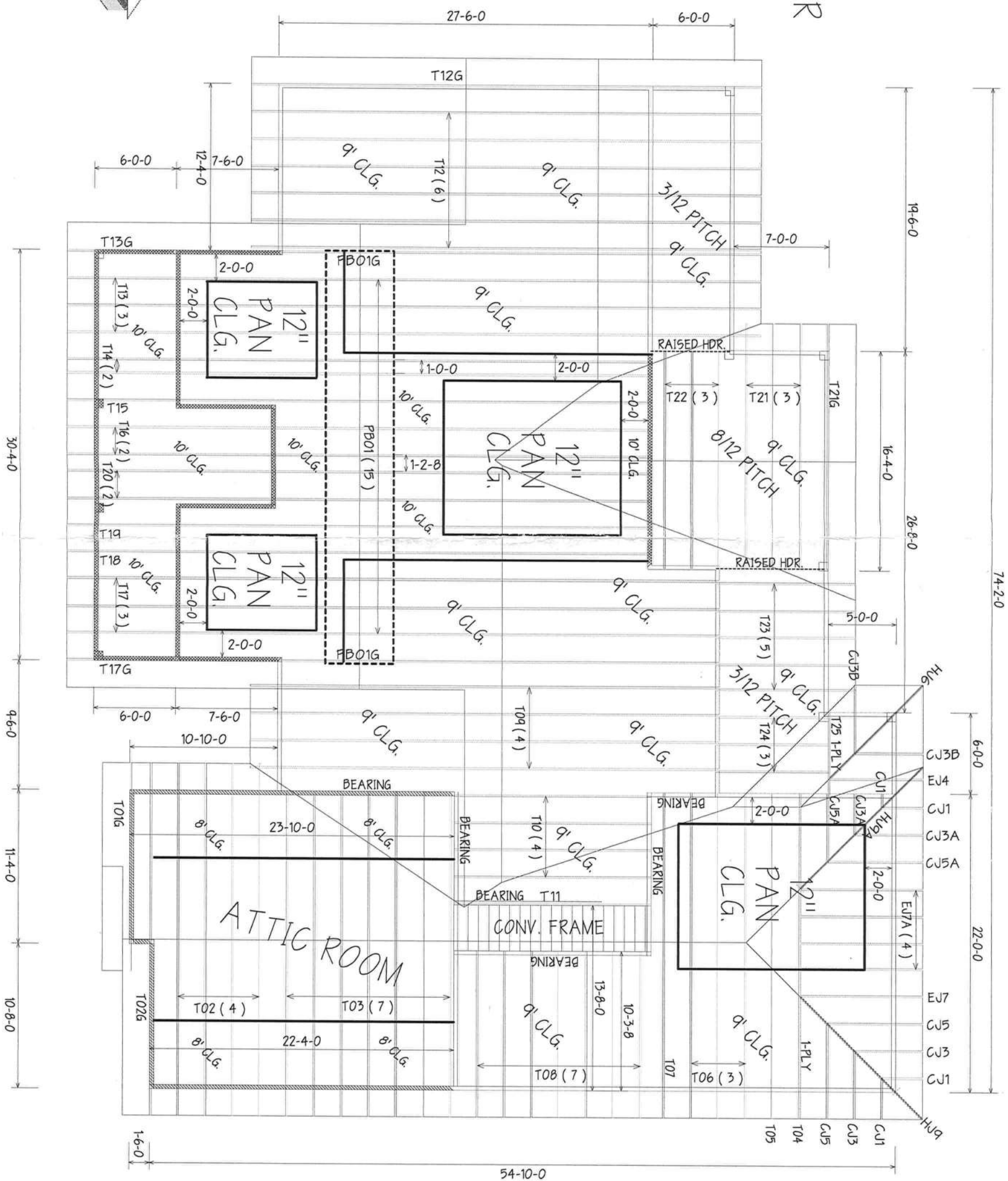
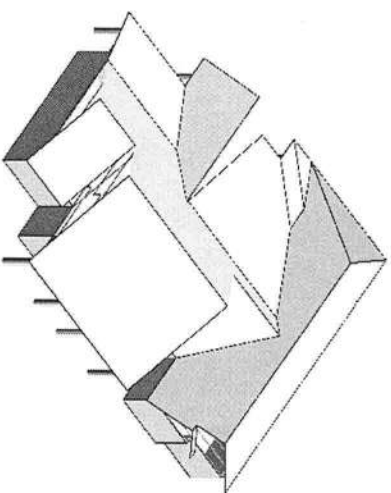
DATE:

7/25/08



EnergyGauge® FLR2PB v4.1

9/12 PITCH
GARAGE/MASTER



8'-1 1/8"

9'-1 1/8"

10'-1 1/8"

HANGER SCHEDULE
11 - HTU26

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

- 2) ALL VALVEYS, INCLUDING TRUSSEYS, UNDER VALVE TRAINING MUST BE COMPLYETLY DECKED OR REFER TO DETAIL VOV FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALVEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDERS.
- 4) ALL TRUSSEYS ARE DESIGNED FOR 2 G. MAXIMUM SPACING. INTERSESS OTHERWISE NOTED
- 5) ALL WALLS SHOWN ON A FLECEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING. INTERSESS OTHERWISE NOTED
- 6) 5/42 TRUSSEYS MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL 800F TRUSSES HANGERS TO BE SAMPSON FLOORS TRUSSES HANGERS TO BE SAMPSON TM4422 INTERSESS OTHERWISE NOTED.
- 8) BEAM/WHENEVER INTEL. (P20) 10 BE FRAMED BY BUILDERS.

THE LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PERIMETERS ARCHITECTURAL OR OTHER TIGHTS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date : _____

Approved by _____ Date _____



Bunnell

PHONE: 904-437-3349 FAX: 904-437-3999

PHONE: 904-772-6100 FAX: 904-772-1973

1. Also City

LANE CITY
PHONE: 386-755-6804 FAX: 386-755-7072

PHONE: 200-722-6674 FAX: 200-722-7112

Santofra

PHONE: 407-322-0059 FAX: 407-322-5553

BILDER

ADAM'S FRAMING

PAITIAN / N / C IAW / AV

APPENDING RES

DOVER, N.H.

WHEEL
CUSTOM
ALUMINUM
RACE

[illegible]

7-77-08 K1 H 1 283727

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FEEES:

ROAD IMPACT FEE \$1,646.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE \$29.88
10300003632210

FIRE PROTECTION IMPACT FEE \$7863
10200003632220

CORRECTIONS IMPACT FEE \$409.16
00100003632200

SCHOOL IMPACT FEE \$1,500.00
00100003632900

TOTAL FEES CHARGED \$3,063.67 CHECK NUMBER 1525