DAT 03/18/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028428

APPLICANT BOBBY T. SMITH PHONE 386.755.1140

ADDRESS 365 SW ANGELA TERRACE LAKE CITY FL 32024

OWNER BOBBY T. SMITH PHONE 386.755.1140

ADDRESS 365 SW ANGELA TERRACE LAKE CITY FL 32024

CONTRACTOR BOBBY T. SMITH PHONE 386.755.1140

LOCATION OF PROPERTY 47-S TO C-242,TR TO ANGELA TERRACE,TR AND IT'S HE 7TH HOME ON R.

TYPE DEVELOPMENT SFD/ADDITION ESTIMATED COST OF CONSTRUCTION 13800.00

HEATED FLOOR AREA 276.00 TOTAL AREA 276.00 HEIGHT 20.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 24-4S-16-03116-001 SUBDIVISION PICCADILLY PARK UNREC.

LOT 7 BLOCK B PHASE UNIT TOTAL ACRES 0.73

		OWNER	B Scott	
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	10-0111-N	BLK	HD	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS:

Check # or Cash 1003

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 $ 70.00 CERTIFICATION FEE $ 1.38 SURCHARGE FEE $ 1.38

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** 147.76

INSPECTORS OFFICE CLERKS OFFICE CN

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.

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE 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 ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

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: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.)	2802	Total (Sq. Ft.) under roof 2820	IIIIIIII	IIIIIIII	IIIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	175	180	
5	Dimensions of all building set backs	67	37	91
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)			
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding			
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.			

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	1		
20A	Building height from the established grade to the roofs highest peak	20'		✓

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated			✓
23	Shear wall opening shown (Windows, Doors and Garage doors)			✓
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)			✓
25	Safety glazing of glass where needed			✓
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)			✓

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)			

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	✓		

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type			✓
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	intermediate of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans locations in bathrooms			✓
79	Show clothes dryer route and total run of exhaust duct			✓

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			✓
81	Show the location of water heater			✓

Private Potable Water

82	Pump motor horse power			✓
83	Reservoir pressure tank gallon capacity			✓
84	Rating of cycle stop valve if used			✓

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors			✓
88	Service panel, sub-panel, location(s) and total ampere ratings			✓
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.			✓

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap			✓
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. 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 located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is **$50.00**			✓
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

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.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the applicati or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

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 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.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu 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 if 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 applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 365 SW ANCELA TERR **Project Name:** BOBBY T SMITH

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	FL11626		
2. Horizontal Slider	FL11624		
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 inspectio

Contractor or Contractor's Authorized Agent Signature

THOMAS A SMITH 12.14.09

Print Name Date

Permit # (FOR STAFF USE ONLY)

Columbia County Building Permit Application

For Office Use Only Application # 1001-21 Date Received 1-26-10 By LH Permit # 28428

Zoning Official BLK Date 03.03.10 Flood Zone X Land Use Res. 1 Fam. Dwel. Zoning RSF-2

FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner JD Date 3-2-10

Comments

☐ NOC ☐ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor N/A ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL N/A ~~Accs~~ Addition to Existing Dwelling

Septic Permit No. 10-0111-N Fax

Name Authorized Person Signing Permit Bobby T Smith Phone 386.755.1140

Address 1919-1 Blanding Blvd, J'ville, FL 32204

Owners Name BOBBY T SMITH Phone 386-755-1140

911 Address 365 SW ANGELA TERR. LAKE CITY, FL 32024

Contractors Name THOMAS B SMITH Phone 904-635-7019

Address 1919-1 BLANDING BLVD, JACKSONVILLE, FL 32210

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address ALEXANDER GRACE CONSULTING INC. 452 OSCEOLA AVE JAX BEACH, FL 32250

Mortgage Lenders Name & Address

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

Property ID Number 24-4S-16-03116-001 Estimated Cost of Construction $15,000.00

Subdivision Name PICADILLY PARK Lot 7 Block A Unit Phase

Driving Directions 475 to 242nd, to RT on ANGELA TERR then 7th House on Right

Number of Existing Dwellings on Property 1

Construction of ROOM ADDITION 276 SF Total Acreage .738 Lot Size 175x180

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 20'

Actual Distance of Structure from Property Lines - Front 68' Side 37' Side 42' Rear 91'

Number of Stories 1 Heated Floor Area 276 Total Floor Area 276 Roof Pitch 4:12

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.

Columbia County Building Permit Application

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 COMMENCMENT 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 CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

Bobbi Ott

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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.

Thom A Smith

Contractor's Signature (Permitee)

Contractor's License Number CGC1511679
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 14th **day of** DECEMBER **20**09.

Personally known ✓ **or Produced Identification** _____

Willene L Cook

State of Florida Notary Signature (For the Contractor)

SEAL:

WILLENE L. COOK
MY COMMISSION # DD 861642
EXPIRES: February 16, 2013
Bonded Thru Notary Public Underwriters

This Instrument Prepared by: Harlan E. Markham,
An Officer of ASSOCIATED LAND TITLE GROUP, INC.,
300 N. MARION STREET, LAKE CITY, FLORIDA 32055,
For Purposes of Title Ins.
File # 170-33912
Parcel ID # 03116-001

97-04416

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY

1997 APR -1 PM 4:13

CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY _____ D.C.

Documentary Stamp 728.00
Intangible Tax
P. DeWitt Cason
Clerk of Court
By _____ D.C.

Warranty Deed

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

Made March 31, 1997, BETWEEN

Arthur W. Tinker and wife, Frances Brewer Tinker
whose post office address is 2001 Hodges Blvd. Jacksonville, Florida 32224 of the County of Duval, State of Florida, grantor, and

Bobby T. Smith and wife, Barbara F. Smith (SS#: [redacted] 586-07-7961)
whose post office address is 476 Angela Street Lake City, Florida 32024 of the County of Columbia, State of Florida, grantee,

WITNESSETH: That the said grantor, for and in consideration of the sum of Ten ($10.00) Dollars, 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, successors and assigns forever, the following described land, situate, lying and being in Columbia County, Florida to-wit:

Commence at the NE Corner of the NE 1/4 of the NW 1/4, Section 25, Township 4 South, Range 16 East, run thence N 0 deg. 24'00" W, 82.47 feet to the SE corner of said lot which is the Point of Beginning; continue N 0 deg. 24'00" W, 172.51 feet; run thence S 88 deg. 31'00" W, 187.00 feet; run thence S 0 deg. 47'36" E, 172.50 feet; run thence N 88 deg. 31'00" E, 185.79 feet to the Point of Beginning. Being the same as Lot 7, Block A, PICADILLY PARK, an unrecorded subdivision, Columbia County, Florida.

Subject to easements and restrictions of record, if any, which are specifically not extended or reimposed hereby. Subject to 1997 taxes and assessments.

BK 0837 PG 0647

OFFICIAL RECORDS

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of:

Susan Ramsey

SUSAN RAMSEY

PLEASE PRINT OR TYPE NAME AS IT APPEARS

Karen Brown

KAREN BROWN

PLEASE PRINT OR TYPE NAME AS IT APPEARS

Arthur W. Tinker

Arthur W. Tinker

Frances Brewer Tinker

Francis Brewer Tinker

STATE OF Florida COUNTY OF Columbia

I HEREBY CERTIFY, that on March 31, 1997, before me personally appeared Arthur W. Tinker and wife, Francis Brewer Tinker who are personally known to me or have produced the identification identified below, who are the persons described in and who executed the foregoing instrument, and who after being duly sworn say that the execution hereof is their free act and deed for the uses and purposes herein mentioned.

SWORN TO AND SUBSCRIBED before me the undersigned Notary Public by my hand and official seal, the day and year last aforesaid.

( ) To me personally known (✓) Identified by Driver's License ( ) Identified by _____

My Commission Expires:_____

Commission No.:_____

Karen Brown

Notary Public

PLEASE PRINT OR TYPE NAME AS IT APPEARS

KAREN BROWN
MY COMMISSION # CC460975 EXPIRES
April 5, 1999
BONDED THRU TROY FAIN INSURANCE, INC

BK 0897 PG 0648
OFFICIAL RECORDS

Form LASWDI 8/30/94

Columbia County Property Appraiser

DB Last Updated: 11/13/2009

2009 Tax Year

Parcel: 24-4S-16-03116-001 HX

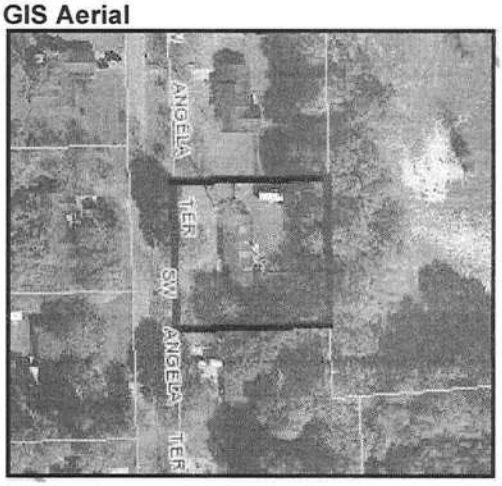
Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

<< Prev Search Result: 4 of 4

Owner's Name	SMITH BOBBY T & BARBARA F		
Site Address	ANGELA		
Mailing Address	365 SW ANGELA TERR LAKE CITY, FL 32024		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	024416.03	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.738 ACRES		
Description	COMM 82.47 FT N OF SE COR OF CE1/4 OF SW1/4 FOR POB, RUN N 172.5 FT, W 187 FT, S 172.5 FT E 185.79 FT TO POB. (AKA LOT 7 BLK A PICCADILLY PARK S/D UNR) ORB 352-552, 738-033, 806-1631, 837-647,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$18,450.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$112,467.00
XFOB Value	cnt: (6)	$12,392.00
Total Appraised Value		$143,309.00

Just Value		$143,309.00
Class Value		$0.00
Assessed Value		$114,476.00
Exemptions	(code: HX)	$50,000.00
Total Taxable Value		County: $64,476.00 | City: $64,476.00 Other: $64,476.00 | School: $89,476.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
3/21/1997	837/647	WD	I	Q		$104,000.00
6/12/1995	806/1631	WD	I	Q		$95,500.00
12/13/1990	738/33	WD	I	Q		$76,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1974	Common BRK (19)	2526	2544	$112,467.00
	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	0	$3,500.00	0000001.000	0 x 0 x 0	(000.00)
0258	PATIO	0	$100.00	0000001.000	0 x 0 x 0	(000.00)
0280	POOL R/CON	1986	$7,373.00	0000512.000	32 x 16 x 0	(000.00)
0169	FENCE/WOOD	1993	$600.00	0000001.000	0 x 0 x 0	(000.00)
0294	SHED WOOD/	1993	$675.00	0000120.000	10 x 12 x 0	AP (025.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	0000001.000 LT - (0000000.738AC)	1.00/1.00/1.00/1.00	$18,450.00	$18,450.00

Columbia County Property Appraiser

DB Last Updated: 11/13/2009

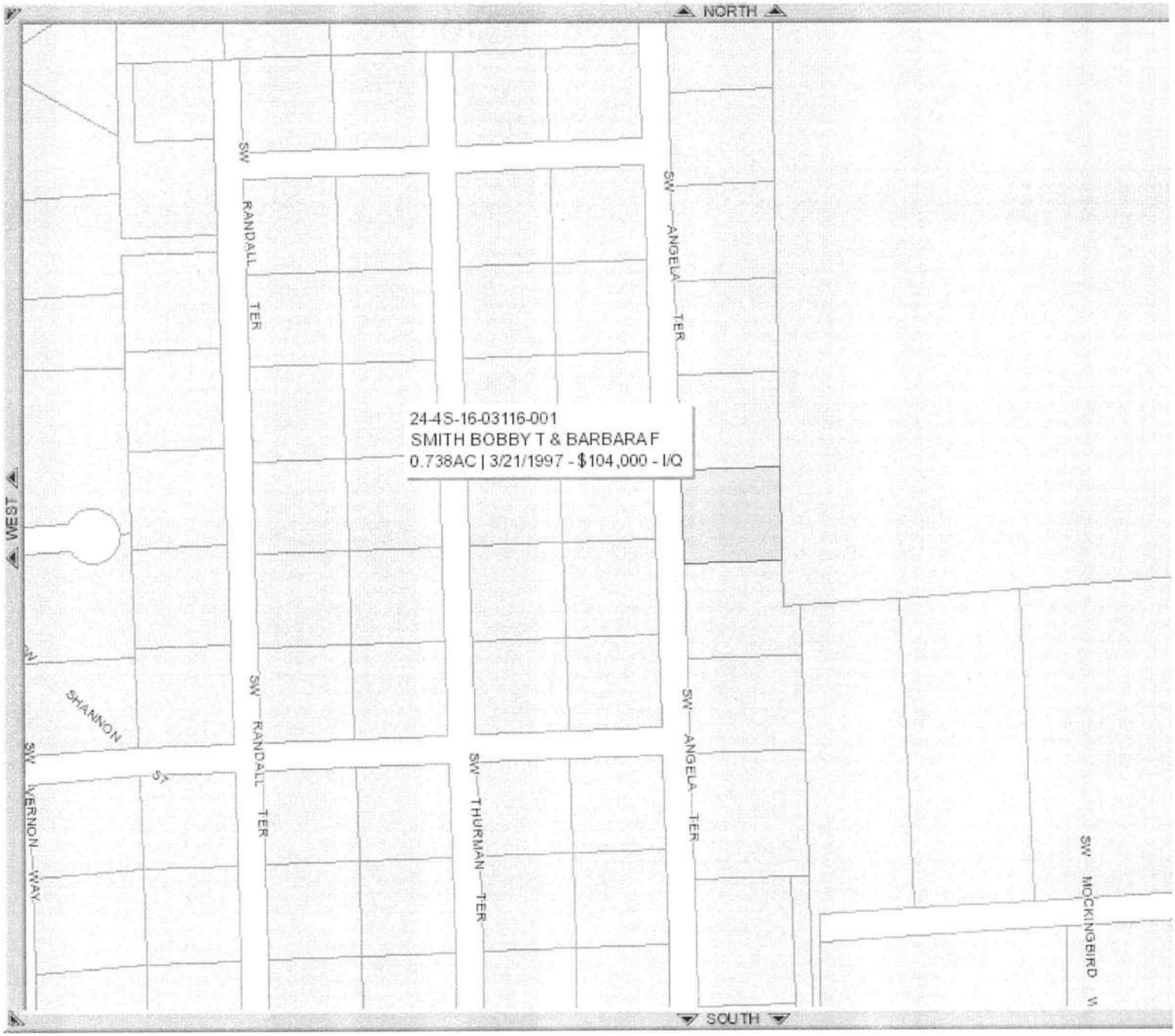
<< Prev 4 of 4

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's Office. The assessed values are **NOT CERTIFIED** values and therefore are subject to change before finalized for ad-valorem assessment purposes.

Notice:
Under Florida Law, e-mail addresses are public record. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead contact this office by phone or in writing.

Scroll to Top


NORTH
WEST
SOUTH
SW RANDALL TER
SW ANGELA TER
SW THURMAN TER
SW SHANNON ST
SW VERNON WAY
SW MOCKINGBIRD
24-4S-16-03116-001
SMITH BOBBY T & BARBARA F
0.738AC | 3/21/1997 - $104,000 - I/Q

Effective March 1, 2009

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 1100B-08 — **Residential Component Prescriptive Method B** — **ALL CLIMATE ZONES**

Compliance with Method B of Chapter 11 of the *Florida Building Code, Residential*, or Subchapter 13-6 of the *Florida Building Code, Building*, may be demonstrated by the use of Form 1100B for single-and multiple-family residences of three stories or less in height, additions to existing residential buildings, renovations to existing residential buildings, new heating, cooling, and water heating systems in existing buildings, and site-added components of manufactured homes and manufactured buildings.To comply, a building must meet or exceed all of the energy efficiency requirements on Table 11B-1 and all applicable mandatory requirements summarized in Table 11B-2 of this form. If a building does not comply with this method, it may still comply under Method A of Chapter 11 or Subchapter 13-6 of the applicable code.

PROJECT NAME:	SMITH ADDITION	**BUILDER:**	AUSMOR CONTRACTING INC
AND ADDRESS: MJAU267	365 SW Augila Terrace Lake City, FL	**PERMITTING OFFICE:**	Columbia Cty, Lake City, FL
OWNER:	Bobby T. SMITH	**PERMIT NO.:**	**JURISDICTION NO.:** 221500

1. New construction including additions which incorporate any of the following features cannot comply using this method: skylights or other nonvertical roof glass, glass areas in excess of 16 percent of conditioned floor area, and electric resistance heat (See Notes to Table 11B-1 on page 2).
2. Fill in all the applicable spaces of the "To Be Installed" column on "Table 11B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
3. Complete page 1 based on the "To Be Installed" column information.
4. Read "Minimum Requirements for All Packages", Table 11B-2 and check each box to indicate your intent to comply with all applicable items.
5. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

		Please Print	CK
1.	**New construction, addition, or existing building**	1. ADDITION	
2.	**Single-family detached or multiple-family attached**	2. SINGLE FAMILY	
3.	**If multiple-family–No. of units covered by this submission**	3. —	
4.	**Is this a worst case? (yes/no)**	4. Yes	
5.	**Conditioned floor area (sq. ft.)**	5. 267.96	
6.	**Glass type and area:**		
	a. U-factor	6a. .29	
	b. SHGC	6b. .30	
	c. Glass area	6c. 125 sq. ft.	
7.	**Percentage of glass to floor area**	7. 0.47 %	
8.	**Floor type, area or perimeter, and insulation:**		
	a. Slab-on-grade (*R*-value)	8a. R= Ø 46.33 lin.ft.	
	b. Wood, raised (*R*-value)	8b. R= ____ ____ sq.ft.	
	c. Wood, common (*R*-value)	8c. R= ____ ____ sq.ft.	
	d. Concrete, raised (*R*-value)	8d. R= ____ ____ sq.ft.	
	e. Concrete, common (*R*-value)	8e. R= ____ ____ sq.ft.	
9.	**Wall type, area and insulation:**		
	a. **Exterior:** 1. Masonry (Insulation R-value)	9a-1. R= ____ ____ sq.ft.	
	2. Wood frame (Insulation *R*-value) R13 FRAME W/ BRICK EXTERIOR	9a-2. R= 13 370.64 sq.ft.	
	b. **Adjacent:** 1. Masonry (Insulation *R*-value)	9b-1. R= ____ ____ sq.ft.	
	2. Wood frame (Insulation *R*-value)	9b-2. R= ____ ____ sq.ft.	
10.	**Ceiling type, area and insulation:**		
	a. Under attic (Insulation *R*-value)	10a. R= 30 sq.ft. 267.96	
	b. Single assembly (Insulation *R*-value)	10b. R= ____ ____ sq.ft.	
11.	**Air distribution system: Duct insulation, location**	11a. R= 6 w/cond.	
	Test report required if duct in unconditioned space	11b. Test report attached? Yes (No)	
12.	**Cooling system:**	12a. Type: EXISTING	
	(Types: central, room unit, package terminal A.C., gas, none)	12b. SEER/EER: 13.0	
		12c. Capacity: N/A	
13.	**Heating system:**	13a. Type: EXISTING	
	(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)	13b. HSPF/COP/AFUE: 7.7	
		13c. Capacity: N/A	
14.	**Programmable thermostat installed on HVAC systems:**	14. Yes (No)	
15.	**Hot water system:**	15a. Type: NONE	
	(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)	15b. EF: N/A	

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

PREPARED BY: WA WALKER DATE: 10/2/09

I hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT: _____ DATE: _____

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

TABLE 11B-1 **MINIMUM REQUIREMENTS (See Note 1)** **All Climate Zones**

BUILDING COMPONENT	PERFORMANCE CRITERIA	INSTALLED VALUES:
Windows (see Note 2):	U-Factor = 0.65 SHGC = 0.35 % of CFA < = 16%	U-Factor = .29 SHGC = .30 % of CFA = .47%
Exterior door type	Wood or insulated	Type: NONE
Walls – Ext. and Adj. (see Note 3): Frame Mass (see Note 3) Interior of wall: Exterior of wall:	R-13 R-6 R-4	R-Value = 13 R-Value = R-Value =
Electric resistance heat (See Note 10)	Not allowed	N/A
Ceilings (see Notes 3 & 4)	R=30	R-Value = R30
Floors: Slab-on-grade Over unconditioned spaces (see Note 3)	No requirement R-13	R-Value = RØ
Hot water systems (storage type) Electric (see Note 5): Gas fired (see Note 6):	 40 gal: EF = 0.92 50 gal: EF = 0.90 40 gal: EF = 0.59 50 gal: EF = 0.58	 Gallons = EF = Gallons = NONE EF =
Air conditioning systems (see Note 7)	SEER = 13.0	SEER = Existing
Heat pump systems (see Note 8)	SEER = 13.0 HSPF = 7.7	SEER = HSPF = Existing
Gas furnaces	AFUE = 78%	AFUE = N/A
Oil furnaces	AFUE = 78%	AFUE = N/A
Programmable thermostat (see Note 10)	Must be installed on all HVAC systems.	Installed? N/A Yes No
Ductwork: (see Note 9) Unconditioned space Conditioned space Unvented attic assembly per R806.4 with insulation at the roof plane	R-6, TESTED NA R-4.2	Location: Unconditioned space R-Value = R6 Test report: Conditioned space R-Value = (No test report required)
Air Handler location: Unconditioned attic or garage Conditioned space or Unvented attic assembly per R806.4 with insulation at the roof plane	Requires test report No duct test required	Location: Test report: N/A

(1) Each component present in the As-Built home must meet or exceed each of the applicable performance criteria in order to comply with this code using this method; otherwise Method A compliance must be used.

(2) Windows and doors qualifying as glazed fenestration areas must comply with both the maximum *U*-Factor and the maximum SHGC (Solar Heat Gain Coefficient) criteria and have a maximum total window area equal to or less than 16% of the conditioned floor area (CFA), otherwise Method A must be used for compliance. **Exceptions:** 1. Additions of 600 square feet (56 m^2) or less may have maximum glass to CFA of 50 percent. 2. Renovations with new windows under ≥ 2 foot overhang whose lower edge does not extend further than 8 feet from the overhang may have tinted glazing or double-pane clear glazing. Replacement skylights installed in renovations shall be doublepaned or single paned with a diffuser.

(3) *R*-Values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the "interior of wall" requirement (R-6) must be met except if at least 50% of the R-4 insulation value required for the "exterior of wall" is installed exterior of, or integral to, the wall.

(4) Attic knee walls shall be insulated to same level as ceilings and shall have a positive means of maintaining insulation in place. Such means may include rigid insulation board or air barrier sheet materials adequately fastened to the attic sides of knee wall framing materials.

(5) For other electric storage volumes, minimum EF = 0.97 - (0.00132 * volume).

(6) For other natural gas storage volumes, minimum EF = 0.67 - (0.0019 * volume).

(7) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2A of the *Florida Building Code, Building*, or Table N1107.AB.3.2A of the *Florida Building Code, Residential*.

(8) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2B of the *Florida Building Code, Building*, or Table N1107.AB.3.2B of the *Florida Building Code, Residential*.

(9) All ducts and air handlers shall be either located in conditioned space or tested by a Class 1 BERS rater to be "substantially" leak free. "Substantially leak free" shall mean distribution system air leakage to outdoors no greater than 3 cfm per 100 square feet of conditioned floor area at a pressure differential of 25 Pascal (0.10 in. wc.) across the entire air distribution system, including the manufacturer's air handler enclosure. **Exception:** New or replacement ducts installed onto an existing air distribution system as part of an addition or renovation. Such ducts shall either be insulated to R-6 or be installed in conditioned space.

10) The prohibition on electric resistance heat and the requirement for programmable thermostats do not apply to additions, renovations, and new heating systems installed in existing buildings.

TABLE 11B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	N1106.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	N1106.AB.1.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	N1106.AB.1.2.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	N1106.AB.1.2.4	Type IC rated with no penetrations (two alternatives allowed).	✓
Multistory Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Exhaust Fans	N1106.AB.1.3	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.AB.3. Switch or clearly marked circuit breaker electric or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	N1112.AB.2.3.4	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Hot Water Pipes	N1112.AB.5	Insulation is required for hot water circulating systems (including heat recovery units).	
Shower Heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	
HVAC Duct Construction, Insulation & Installation	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 attics must be insulated to a minimum of R-6.	✓
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	

Residential Window Diversity

MidSummer

PLAN: BOBBY T. SMITH

, FL

Project Title:
MJAU267

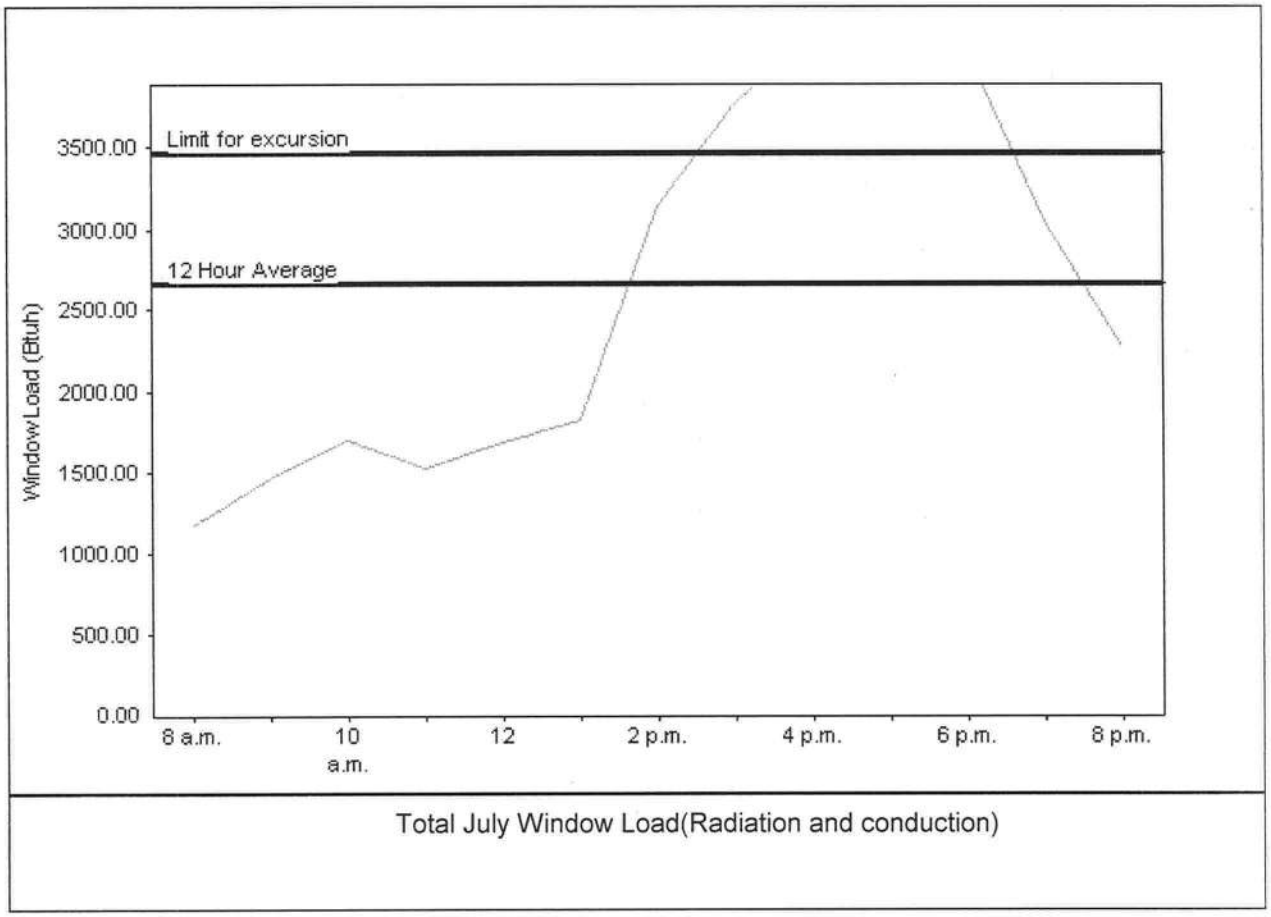
Code Only
Professional Version
Climate: North

10/4/2009

Weather data for: Jacksonville - Defaults

Summer design temperature	93 F	Average window load for July	2668 Btuh
Summer setpoint	75 F	Peak window load for July	4421 Btuh
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	3468 Btuh
Latitude	30 North	Window excursion (July)	952 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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.

SW Orientation

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: 10/4/09

Manual J Summer Calculations

Residential Load - Component Details (continued)

PLAN: BOBBY T. SMITH
, FL

Project Title:
MJAU267

Code Only
Professional Version
Climate: North

10/4/2009

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**6473 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**6473 Btuh**
	Sensible ventilation	495 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**6967 Btuh**
Totals for Cooling	Latent infiltration gain (for 53 gr. humidity difference)	2732 Btuh
	Latent ventilation gain	900 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (1 people @ 200 Btuh per person)	200 Btuh
	Latent other gain	500 Btuh
	Latent total gain	**4332 Btuh**
	TOTAL GAIN	**11299 Btuh**

EQUIPMENT

*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

Manual J Winter Calculations

Residential Load - Component Details (continued)

PLAN: BOBBY T. SMITH
, FL

Project Title:
MJAU267

Code Only
Professional Version
Climate: North

10/4/2009

EQUIPMENT		

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 - Room by Room Component Details

PLAN: BOBBY T. SMITH
, FL

Project Title:
MJAU267

Code Only
Professional Version
Climate: North

Reference City: Jacksonville (Defaults) Summer Temperature Difference: 18.0 F 10/4/2009

Component Loads for Zone #1: Main

	Type*	Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, SHGC=0.3, 0.29, None,0.00,HSW	1.33	7ft.	25.0	0.9	24.1	10	10	259 Btuh
2	2, SHGC=0.3, 0.29, None,0.00,HSW	1.33	7ft.	25.0	0.9	24.1	10	10	259 Btuh
3	2, SHGC=0.3, 0.29, None,0.00,HSW	1.33	7ft.	25.0	0.9	24.1	10	10	259 Btuh
4	2, SHGC=0.3, 0.29, None,0.00,HSE	1.33	7ft.	15.0	0.5	14.5	10	10	155 Btuh
5	2, SHGC=0.3, 0.29, None,0.00,NNW	1.33	8ft.	20.0	0.0	20.0	12	12	230 Btuh
6	2, SHGC=0.3, 0.29, None,0.00,HNW	1.33	7ft.	15.0	0.0	15.0	10	10	155 Btuh
	Window Total			125 (sqft)					1319 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Face Brick - Wood - Ext	13.0/0.09	245.6	1.3	327 Btuh
	Wall Total		246 (sqft)		327 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkMetal	19.0	268.0	2.6	696 Btuh
	Ceiling Total		268 (sqft)		696 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	46 (ft(p))	0.0	0 Btuh
	Floor Total		46.3 (sqft)		0 Btuh

			Zone Envelope Subtotal:		2342 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.32	2144	246	75.9	1501 Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	1	X	230	+	2400	2630 Btuh

	Sensible Envelope Load:		6473 Btuh

Duct load	, Supply(R2.9439E23-), Return(R1.3352E27-)	(DGM of 0.000)	0 Btuh
		Sensible Zone Load	**6473 Btuh**

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

PLAN: BOBBY T. SMITH
, FL

Project Title:
MJAU267

Code Only
Professional Version
Climate: North

Reference City: Jacksonville (Defaults) Winter Temperature Difference: 38.0 F

10/4/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.3, Metal, 0.29	SW	25.0	11.0	276 Btuh
2	2, SHGC=0.3, Metal, 0.29	SW	25.0	11.0	276 Btuh
3	2, SHGC=0.3, Metal, 0.29	SW	25.0	11.0	276 Btuh
4	2, SHGC=0.3, Metal, 0.29	SE	15.0	11.0	165 Btuh
5	2, SHGC=0.3, Metal, 0.29	NW	20.0	11.0	220 Btuh
6	2, SHGC=0.3, Metal, 0.29	NW	15.0	11.0	165 Btuh
	Window Total		125(sqft)		1378 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	246	3.4	828 Btuh
	Wall Total		246		828 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Meta	19.0	268	1.9	499 Btuh
	Ceiling Total		268		499Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	46.3 ft(p)	44.8	2077 Btuh
	Floor Total		46		2077 Btuh
			Zone Envelope Subtotal:		4782 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural(Adjusted for ventilation)	0.61	2144	246 78.1	3262 Btuh
Ductload	, Supply(R2.9439E23-), Return(R1.3352E27-)			(DLM of 0.000)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**8044 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	8044 Btuh
	Ventilation Sensible	1044 Btuh
	Total Btuh Loss	9089 Btuh

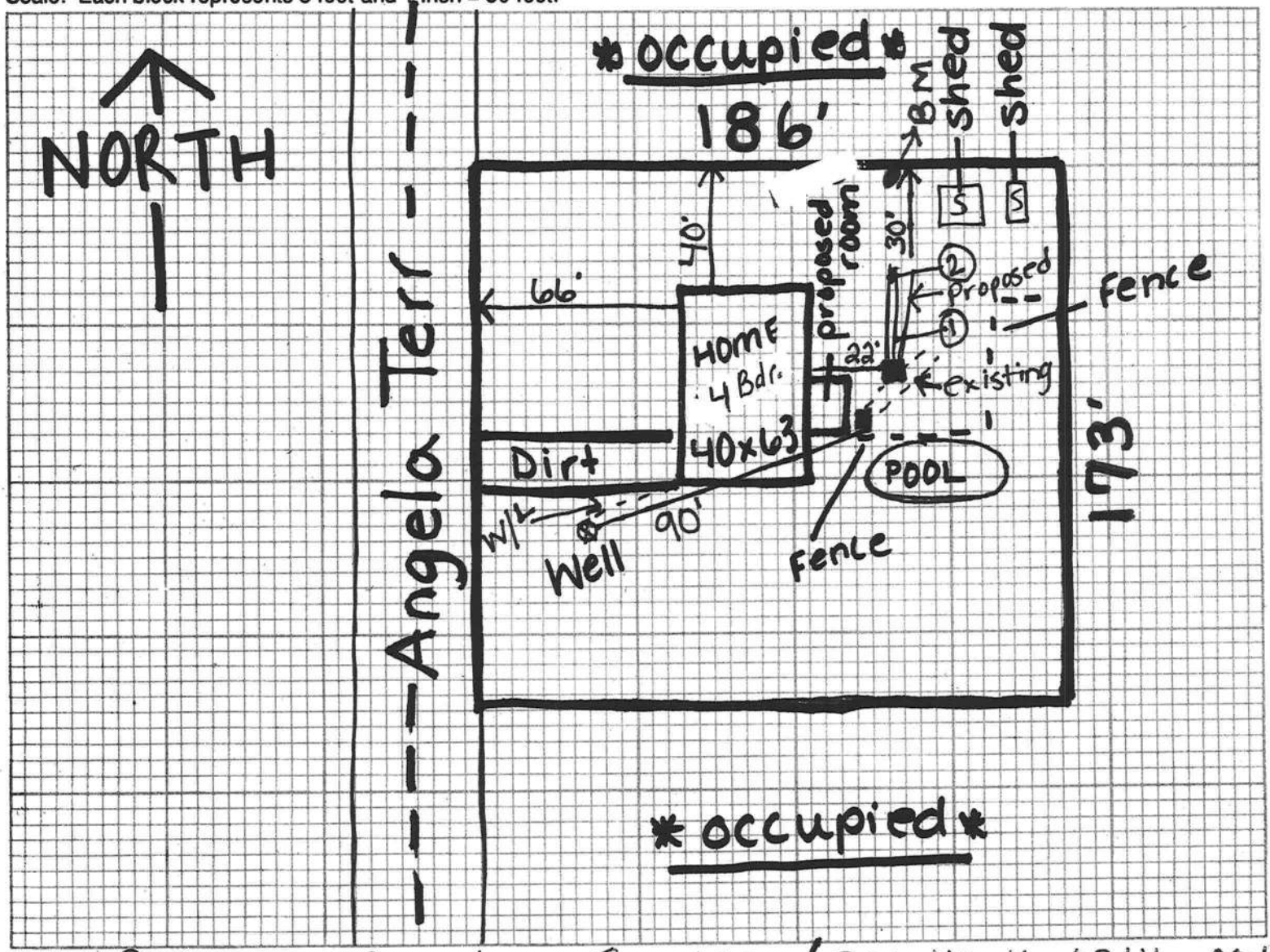
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT 10-0111-N

Permit Application Number _____

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: Bobby & Barbra Smith (24-4S-16-03116-001)
365 SW Angela Terr. Lake City, FL 32024

Site Plan submitted by: R.C Ford (Signature) master (Title)

Plan Approved X Not Approved _____ Date 3/8/10

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)

10-0111-N

SPO

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

SSOCOF #: 061003459
on 03-02-10 by mandy R - F/S

PERMIT NO. AP954898
DATE PAID: 3/3/10
FEE PAID: $310.00
RECEIPT #: ______ 12-PID 1241291

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] ______

APPLICANT: Bobby and Barbara Smith

AGENT: Ford's Septic TELEPHONE: 386-755-6288

MAILING ADDRESS: 116 NW Lawtey Way
Lake City, Florida 32055

= =

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES.

= =

PROPERTY INFORMATION

LOT: 7 BLOCK: A SUBDIVISION: Picadilly Park PLATTED: 1978

PROPERTY ID #: 24-45-16-03116-001 ZONING: Res. I/M OR EQUIVALENT: (Y / N)

PROPERTY SIZE: .73 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: ______ FT

PROPERTY ADDRESS: 365 SW Angela Terr. Lake City, FL 32024

DIRECTIONS TO PROPERTY: 47 South. (R) on 242.
(R) on Angela. House #365

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sq Ft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	4	2526	
2				
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) ______

SIGNATURE: [signature] DATE: 3-1-2010

RECEIVED 3/2/10

ENTERED KSP

Recycled Paper

Site Information
SW ANGELA TERRACE, COLUMBIA

Structural Engineer of Record
GEOFFREY WAYNE GARTNER
PE No. 59328

WIND LOADING (Cd=1.6)

MWFRS & C&C w/ MWFRS Reactions
120 MPH (3 second gust) \ ASCE 7-05
Enclosed Structure (0.18)
Exposure B
Occupancy Category II (Res)
FBC2007 Residential/TPI-2002
Design Program: ITW VIEW v9.04.00

ROOF LOADING (Cd=1.25)

TCLL 20 psf
TCDL 07 psf
BCLL 10 psf
BCDL 05 psf

This Package inlcudes 2 truss designs with individual date of design

NO	JOB ID	TRS ID	DATE
1	SWANGELATERR	GE05	11/16/2009
2	SWANGELATERR	T04	11/16/2009

NO	JOB ID	TRS ID	DATE

NO	JOB ID	TRS ID	DATE

SUBMISSION # | JOB #

☑ 1 Reviewed No exceptions
☐ 2 Reviewed Exceptions Noted
☐ 3 Revise & Resubmit
☐ 4 Rejected
☐ 5 Information Only

Reviewed only for general conformance with the project requirements indicated in Contract Documents and for consistency with the project design concept. This review does not relieve the Contractor from responsibility, for errors or omissions in designs for which the contractor is responsible for compliance with all requirements of the Contract Documents, and for the safe and successful construction of the work. This review does not consider the means, methods, techniques, sequences, and operations of the construction, or safety precautions, or programs incidental thereto, which are the sole responsibility of the Contractor.

Date: 12/2/09 ALEXANDER GRACE CONSULTING, INC.
Checked By:
Signature:

Apex Technology

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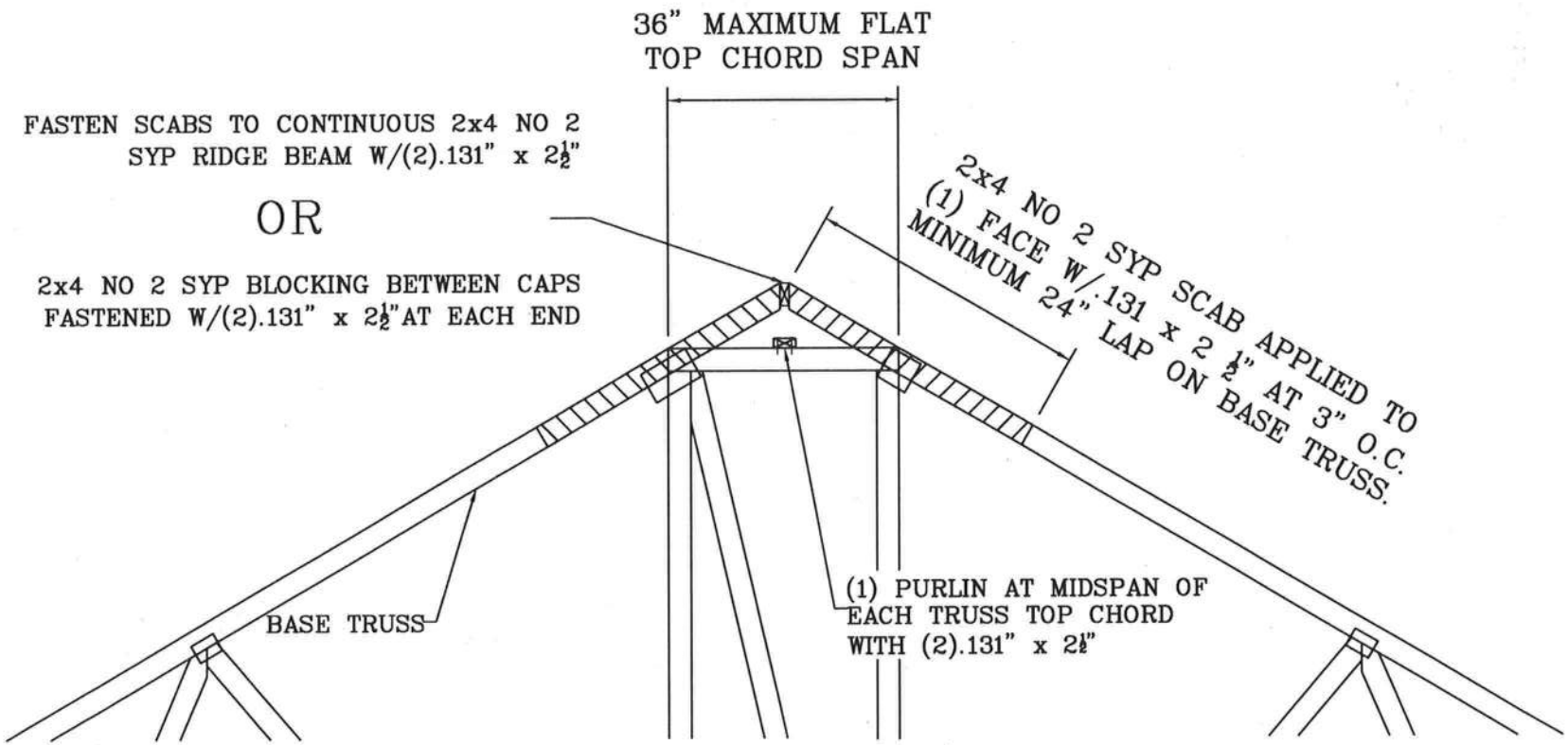
The seal on this index sheet indicates acceptance of professional engineering responsibility solely for the Truss Design Drawings listed above and attached. The suitability and use of each drawing for any particualr building is the responsibility of the Building Designer, per ANSI/TPI 1-2002 Section 2

With my seal affixed to this sheet, I hereby certify that this serves as an index sheet in conformance with Rule 61G15-23.002(2) and 61G15-31.003 of the Florida Board of Professional Engineers

Michael G. Kozlowski
PE No. 60839
11/16/2009



CONVENTIONAL
FRAMED PIGGYBACK
DETAIL

TRUETRUSS
A DIVISION OF
TRUEHOUSE

APEX
TECHNOLOGY

Job:(Smith Addition) / T04

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

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

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical live load deflection is -0.11" at X = 10- 9- 0.
Calculated vertical total load deflection is 0.16" at X = 10- 9- 0.
Calculated horizontal live load deflection is 0.04"
Calculated horizontal total load deflection is 0.06"
Allowable vertical deflection ratios are L/254 live and L/254 total load.
Calculated vertical deflection ratios are L/2383 live and L/1563 total load.

120 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

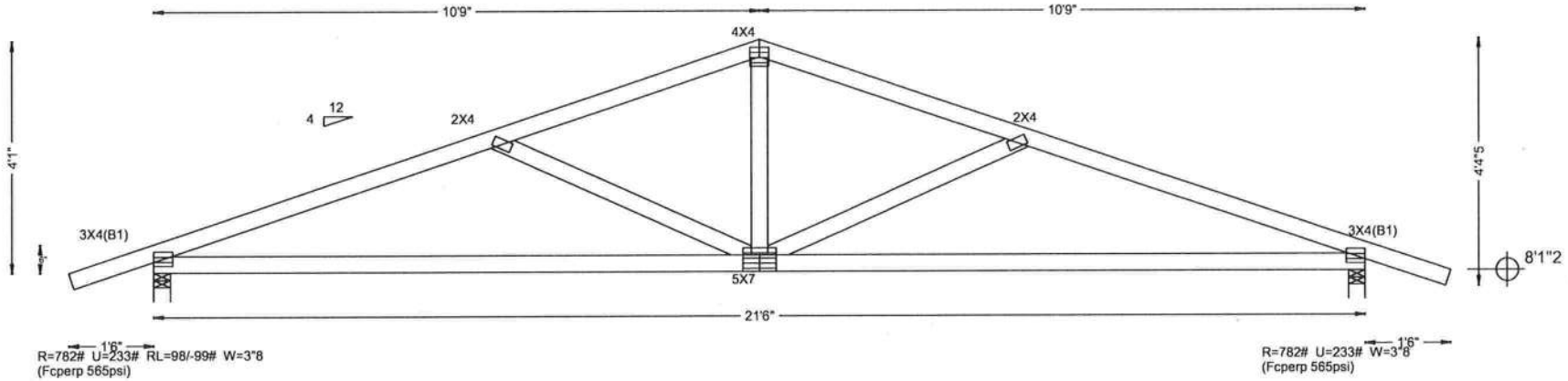
Member design based on both MWFRS and C&C, wind reactions based on MWFRS.

In lieu of structural panels or rigid ceiling use purlins:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
TC	24	-1.45	22.95
BC	73	0.15	21.35

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

The overall height of this truss excluding overhang is 4-1-0.



LEFT RAKE = 1'5"13

RIGHT RAKE = 1'5"13

DESC. = T04
PLT. TYP.-WAVE

DESIGN CRIT=FBC2007RES/TPI-2002 FT/RT=30%(0%)/10(0)

QTY= 5 TOTAL= 5

REV. 9.04.01.1021.18

SEQ = 4049
SCALE =0.3443

Apex Technology is a fictitious name owned by Jax Apex Technology Inc., Florida Corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200

This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, include BCSI 1-03, should be used in conjunction with the architectural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, Please contact Apex Technology for a free copy.

TC LL	20.0psf	REF	
TC DL	7.0psf	DATE	11-16-2009
BC DL	5.0psf	DRWG	
BC LL	0.0psf		
TOT.LD.	32.0psf	O/A LEN.	210600
DUR.FAC.	1.25	JOB #:	Smith Addition
SPACING	24.0"	TYPE	COMN

28428

Inst:201012005870 Date:4/14/2010 Time:3:42 PM
DC,P DeWitt Cason,Columbia County Page 1 of 1 B:1192 P:1784

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 24-4S-16-03116-001

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*:
   a) Street *(job)* Address: 365 SW ANGELA TERR LAKE CITY FL 32034
2. General description of improvements: 273 SF ROOM ADDITION
3. Owner Information
   a) Name and address: BOBBY T SMITH 365 SW ANGELA TERR LAKE CITY 32034
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property
4. Contractor Information
   a) Name and address: AHSMOR CONTRACTING INC 1919-1 BLANDING BLVD JAX 32210
   b) Telephone No: 904-635-7019 Fax No. (Opt.) 904-287-3884
5. Surety Information
   a) Name and address:
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address:
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address:
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b). Florida Statutes:
   a) Name and address:
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Bobby T Smith
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Bobby T. Smith
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 14th day of April, 20 10, by:
Bobby T. Smith as Owner (type of authority, e.g. officer, trustee, attorney fact) for (name of party on behalf of whom instrument was executed).

Personally Known ____ OR Produced Identification ✓ Type DL

Notary Signature Gale Tedder Notary Stamp or Seal:

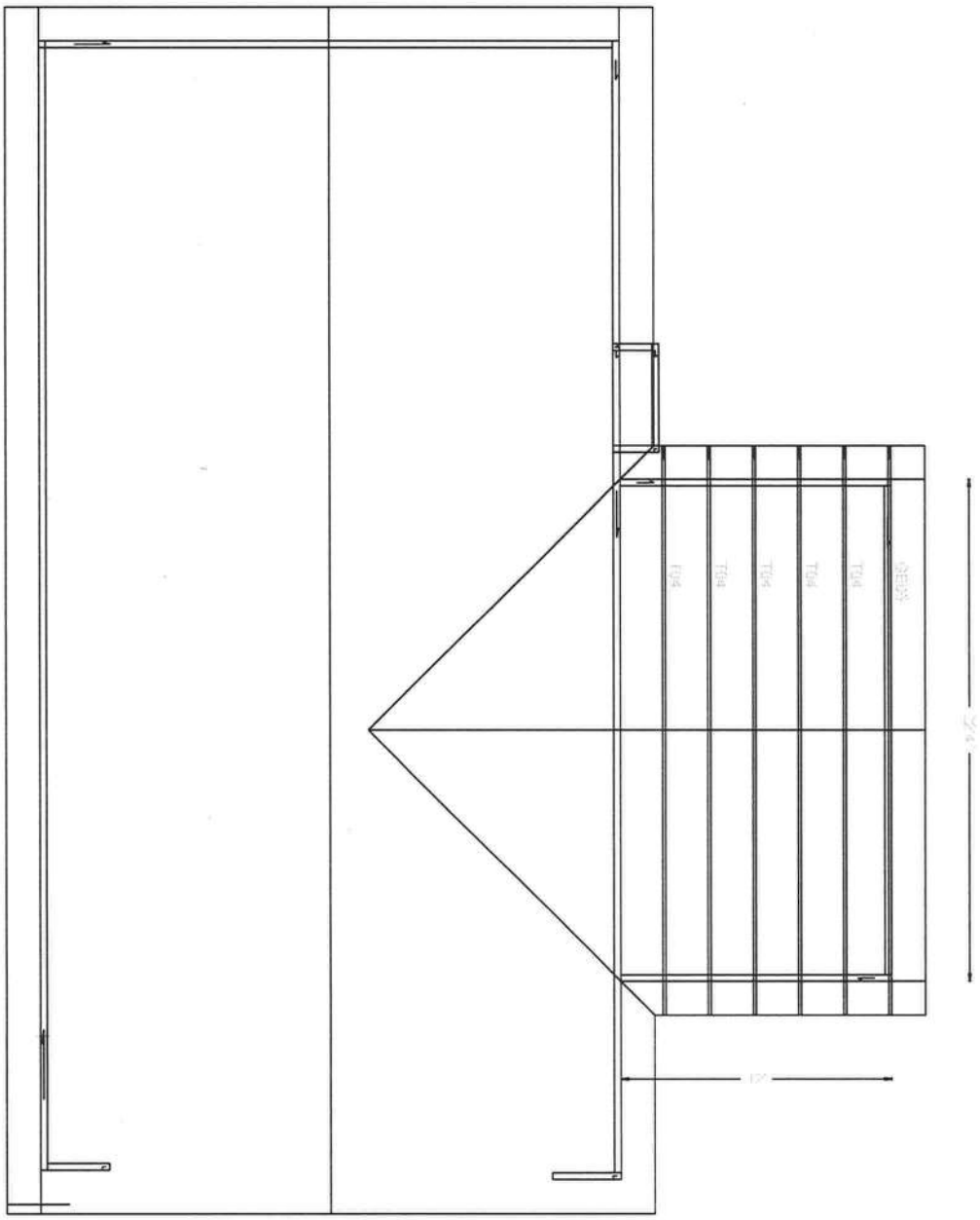
GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)

#28428



Address:
Job Number: SWANGELATERRACE
Customer: Fill in later
Model: Master

JOB NO: SWANGELA

PAGE NO:

1. PERMANENT BRACING IS ALWAYS REQUIRED AND MUST BE PROVIDED BY THE BUILDING DESIGNER OR ENGINEER OF RECORD. PERMANENT BRACING INCLUDES TOP CHORD BRACING, BOTTOM CHORD BRACING, COMPRESSION WEB MEMBER BRACING AND GABLE END LATERAL BRACING.

2. RECIEPT, STORAGE, ERECTION, FIELD INSTALLATION AND FIELD ASSEMBLY IS THE RESPONSIBILITY OF THE CONTRACTOR. IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, THE CONTRACTOR SHALL ENSURE THAT THE TRUSSES ARE BRACED IN ACCORDANCE WITH BCSI-03.

3. NEVER EXCEED THE DESIGN LOADING SHOWN AND NEVER STACK MATERIALS ON INADEQUATELY BRACED TRUSSES.

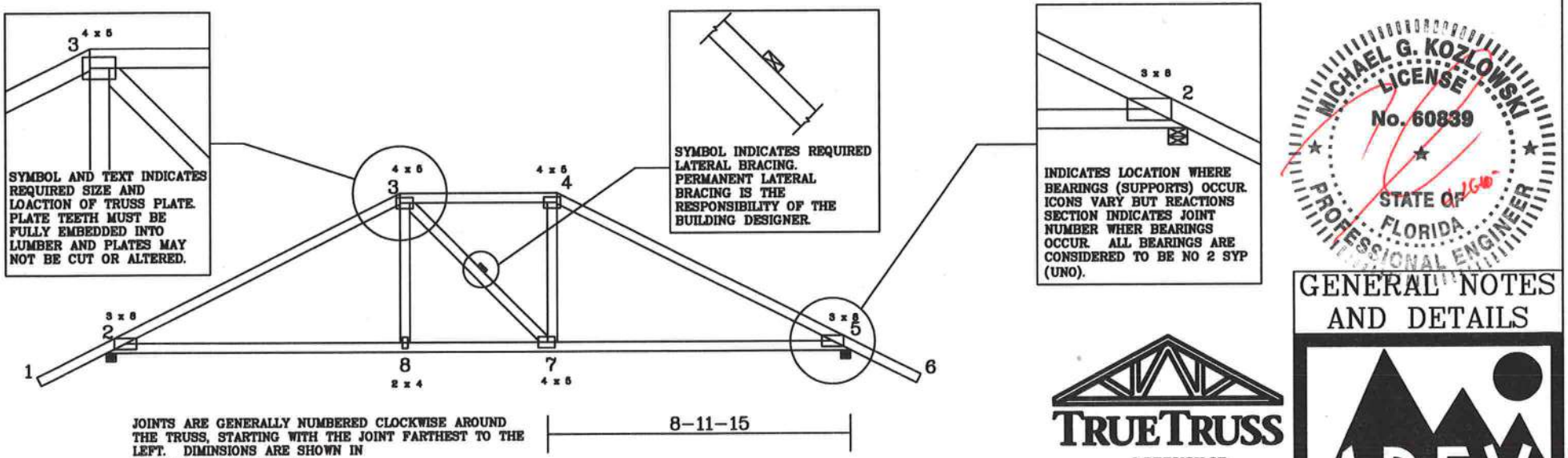
4. PROVIDE COPIES OF THE TRUSS DESIGN TO THE BUILDING DESIGNER, ERECTION SUPERVISOR, PROPERTY OWNER AND ALL OTHER INTERESTED PARTIES.

5. TOP CHORDS MUST BE SHEATHED OR PURLINS PROVIDED AT SPACING SHOWN ON DESIGN. BUILDING DESIGNER OR ENGINEER OF RECORD REQUIRED TO PROVIDE THIS - SEE NOTE 1 ABOVE.

6. BOTTOM CHORDS REQUIRE RIGID CEILING OR CONTINUOUS LATERAL BRACING AT SPACING NOTED ON TRUSS PROFILE. BUILDING DESIGNER OR ENGINEER OF RECORD REQUIRED TO PROVIDE THIS - SEE NOTE 1 ABOVE.

7. TRUSS TO TOP PLATE AND ALL OTHER CONNECTIONS NOT SHOWN ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER.

8. DO NOT CUT OR ALTER TRUSS MEMEBER OR PLATE WITHOUT PRIOR APPROVAL OF A PROFESSIONAL ENGINEER. FOR TRUSS REPAIR DRAWINGS, FAX REPAIR REQUEST TO 992-8700. FAX SHOULD CONTAIN TRUSS JOB NUMBER, TRUSS NUMBER, SPECIFIC SCOPE OF REPAIR AND CONTRACTOR CONTACT INFO.

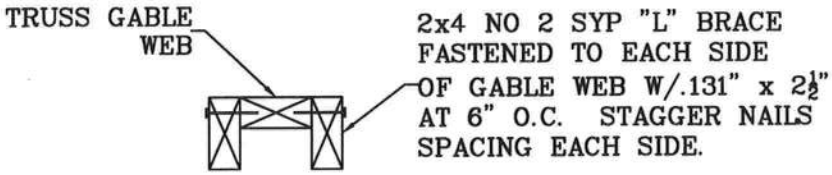


MICHAEL G. KOZLOWSKI
LICENSE
No. 60839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

GENERAL NOTES AND DETAILS

TRUE TRUSS
A DIVISION OF TRUEHOUSE

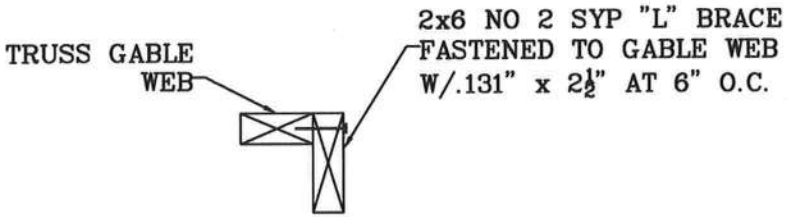
APEX TECHNOLOGY



SECTION A–A

OPTION 1

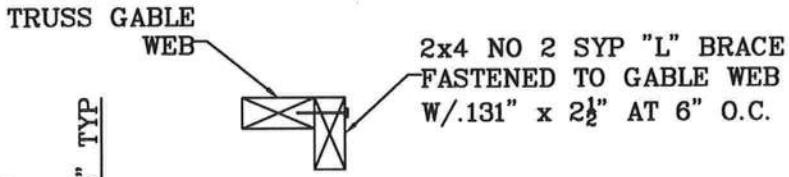
(97"–144")



SECTION B–B

OPTION 1

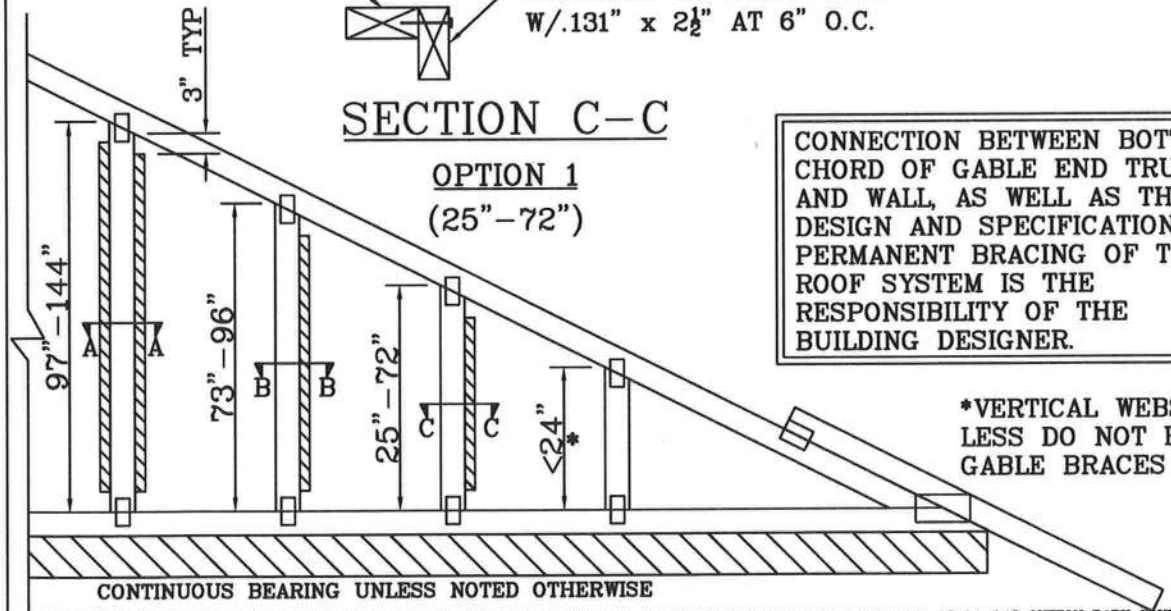
(73"–96")

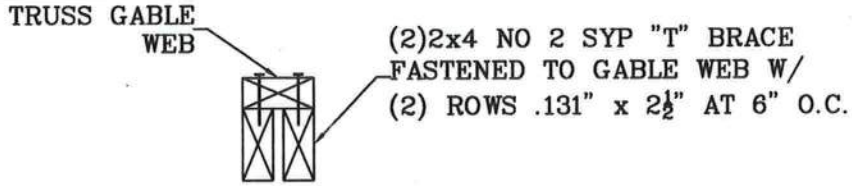


SECTION C–C

OPTION 1

(25"–72")

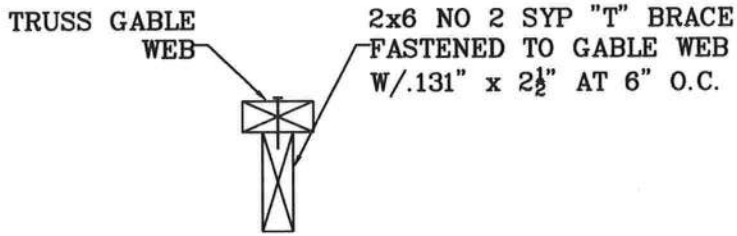




SECTION A–A

OPTION 2

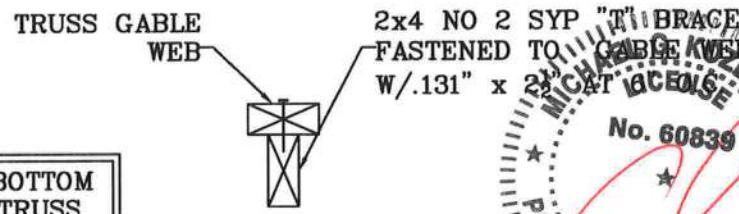
(97"–144")



SECTION B–B

OPTION 2

(73"–96")



SECTION C–C

OPTION 2

(25"–72")

CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.

*VERTICAL WEBS 24" OR LESS DO NOT REQUIRE GABLE BRACES

MICHAEL A. KOZLOWSKI LICENSE No. 60839 STATE OF FLORIDA PROFESSIONAL ENGINEER

TRUE TRUSS
A DIVISION OF TRUEHOUSE

GABLE END BRACING DETAIL

APEX TECHNOLOGY

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2::Stack Chord SC2 2x4 SP #2:

All plates are 2X4 except as noted.

120 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A12015050109 & GBLLETIN0109 for more requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.

In lieu of structural panels or rigid ceiling use purlins:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
TC	24	-1.45	2.00
TC	24	0.76	21.57
TC	24	20.33	23.79
BC	67	0.29	22.04

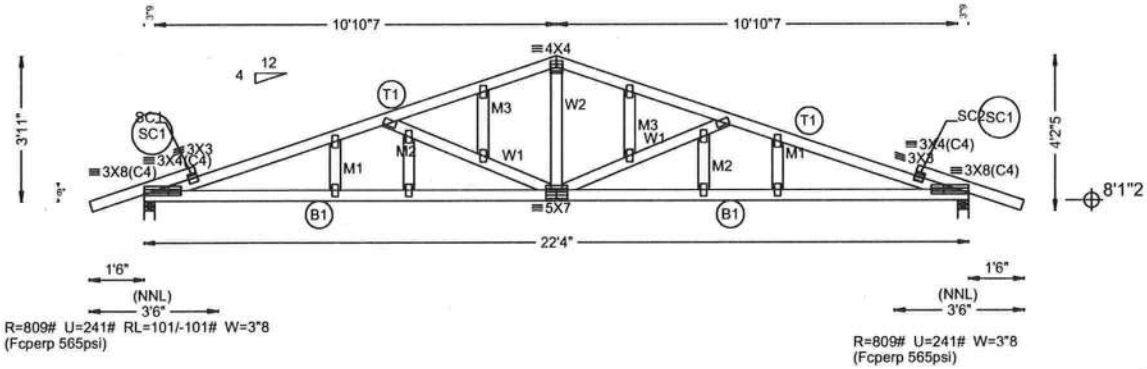
Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

The overall height of this truss excluding overhang is 3-11-0.

Member design based on both MWFRS and C&C, wind reactions based on MWFRS.

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

Calculated vertical live load deflection is -0.16" at X = 17- 2- 0.
Calculated vertical total load deflection is 0.24" at X = 5- 2- 0.
Calculated horizontal live load deflection is 0.03"
Calculated horizontal total load deflection is 0.05"
Allowable vertical deflection ratios are L/264 live and L/264 total load.
Calculated vertical deflection ratios are L/1615 live and L/1075 total load.



LEFT RAKE = 1'5"13

RIGHT RAKE = 1'5"13

DESC: GE05

SEQ = 4455

PLY TYP: WAVE

DESIGN CRIT=FBC2007RES/TPI-2002 FT/RT=30%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 9.05.02.0315.15

SCALE =0.2045

MICHAEL G. KOZLOWSKI LICENSE No. 60839 STATE OF FLORIDA PROFESSIONAL ENGINEER

Michael G. Kozlowski
PE No. 60839

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This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, include BCSI 1-03, should be used in conjunction with the architectural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, Please contact Apex Technology for a free copy.

Michael G. Kozlowski
PE No 60839

TC LL	20.0psf	REF	
TC DL	7.0psf	DATE	04-22-2010
BC DL	5.0psf	DRWG	
BC LL	0.0psf		
TOT.LD.	32.0psf	O/A LEN.	220400
DUR.FAC.	1.25	JOB #:	SWANGELATERRAC
SPACING	24.0"	TYPE	SPEC

Job:(SWANGELATERRACE) / T04

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

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

Roof overhang supports 2.00 psf soffit load.

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

Calculated vertical live load deflection is -0.11" at X = 11- 2- 0.
Calculated vertical total load deflection is 0.17" at X = 11- 2- 0.
Calculated horizontal live load deflection is 0.04"
Calculated horizontal total load deflection is 0.06"
Allowable vertical deflection ratios are L/264 live and L/264 total load.
Calculated vertical deflection ratios are L/2358 live and L/1540 total load.

120 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

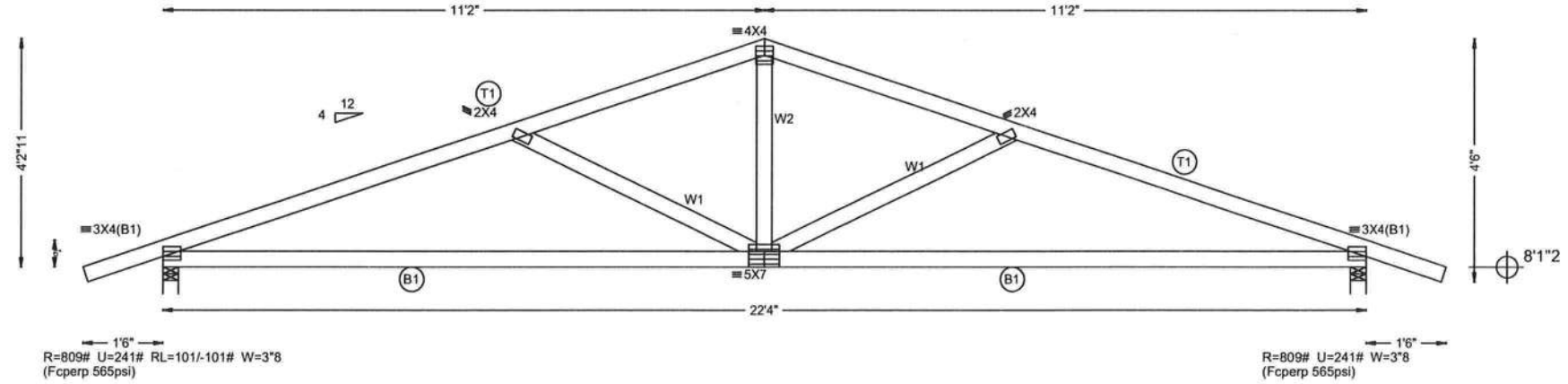
Member design based on both MWFRS and C&C, wind reactions based on MWFRS.

In lieu of structural panels or rigid ceiling use purlins:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
TC	24	-1.45	23.79
BC	72	0.15	22.19

Truss designed for unbalanced load using 0.00/1.00 windward/leeward factors.

The overall height of this truss excluding overhang is 4-2-11.



LEFT RAKE = 1'5"13

RIGHT RAKE = 1'5"13

DESIGN CRIT=FBC2007/RES/TPI-2002 FT/RT=30%(0%)/10(0)

QTY= 5 TOTAL= 5

REV. 9.05.02.0315.15

SEQ = 4451
SCALE =0.3329

MICHAEL G. KOZLOWSKI LICENSE No. 60839 STATE OF FLORIDA PROFESSIONAL ENGINEER

Michael G. Kozlowski
P.E. 60839

Apex Technology is a fictitious name owned by Jax Apex Technology Inc., Florida Corporation. Florida engineer Business No. 7547 - 4745 Sutton Park Court, Suite 402, Jacksonville, Fl. 32224 - 904.821.5200

This drawing is not sufficient alone for installation. Additional instructions accompanying this truss drawing, include BCSI 1-03, should be used in conjunction with the architectural plans during installation. If BCSI 1-03 has not been shipped to the site with the component pictured on this page, Please contact Apex Technology for a free copy.

Michael G. Kozlowski
PE No 60839

TC LL	20.0psf	REF	
TC DL	7.0psf	DATE	04-22-2010
BC DL	5.0psf	DRWG	
BC LL	0.0psf		
TOT.LD.	32.0psf	O/A LEN.	220400
DUR.FAC.	1.25	JOB #:	SWANGELATERRAC
SPACING	24.0"	TYPE	COMN

BCSI-B1 SUMMARY SHEET - GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES

Spans over 60' may require complex permanent bracing. Please always consult a Registered Design Professional.

B1

WARNING!

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining and bracing of trusses. Refer to **BCSI** – Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses*** for more detailed information.

Truss Design Drawings may specify locations of permanent lateral restraint or reinforcement for individual truss members. Refer to the **BCSI-B3***** for more information. All other permanent bracing design is the responsibility of the building designer.

NOTAS GENERALES

*Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arriostre diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arriostre temporal de los trusses. Vea el folleto **BCSI** – Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arriostre de los Trusses de Madera Conectados con Placas de Metal*** para información más detallada.*

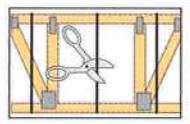
*Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen **BCSI-B3***** para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del diseñador del edificio.*

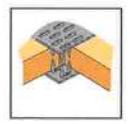
WARNING! The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

¡ADVERTENCIA! El resultado de un manejo, levantamiento, instalación, restricción y arrisotre incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

CAUTION! Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

¡CAUTELA! Chapas de metal tienen bordes afilados. Lleve guantes y lentes protectores cuando corte las ataduras.



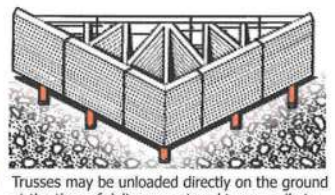


HANDLING — *MANEJO*

NOTICE Avoid lateral bending.
Evite la flexión lateral.

NOTICE The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite. Unload trusses to smooth surface to prevent damage.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra. Descargue los trusses en la tierra liso para prevenir el daño.



☑ Trusses may be unloaded directly on the ground at the time of delivery or stored temporarily in contact with the ground after delivery. If trusses are to be stored horizontally for more than one week, place blocking of sufficient height beneath the stack of trusses at 8' (2.4 m) to 10' (3 m) on-center (o.c.).

Los trusses pueden ser descargados directamente en el suelo en aquel momento de entrega o almacenados temporalmente en contacto con el suelo después de entrega. Si los trusses estarán guardados horizontalmente para más de una semana, ponga bloqueando de altura suficiente detrás de la pila de los trusses a 8 hasta 10 pies en centro (o.c.).

☑ For trusses stored for more than one week, cover bundles to protect from the environment.

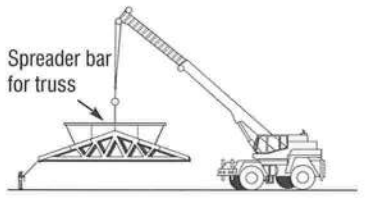
Para trusses guardados por más de una semana, cubra los paquetes para protegerlos del ambiente.

Refer to **BCSI*** for more detailed information pertaining to handling and jobsite storage of trusses.

*Vea el folleto **BCSI*** para información más detallada sobre el manejo y almacenado de los trusses en área de trabajo.*

CAUTION! Use special care in windy weather or near power lines and airports.

¡CAUTELA! Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.

⊘ **DO NOT** store unbraced bundles upright.

NO almacene verticalmente los trusses sueltos.

⊘ **DO NOT** store on uneven ground.

NO almacene en tierra desigual.

HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES

⊘ **DON'T** overload the crane.
NO sobrecargue la grúa.

⊘ **NEVER** use banding to lift a bundle.
***NUNCA** use las ataduras para levantar un paquete.*

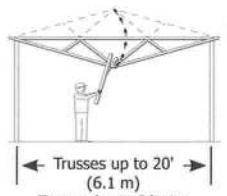
☑ A single lift point may be used for bundles with trusses up to 45' (13.7 m).
Two lift points may be used for bundles with trusses up to 60' (18.3 m).
Use at least 3 lift points for bundles with trusses greater than 60' (18.3 m).
Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies.
Puede usar dos puntos de levantar para paquetes más de 60 pies.
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

WARNING! Do not over load supporting structure with truss bundle.
¡ADVERTENCIA! No sobrecargue la estructura apoyada con el paquete de trusses.

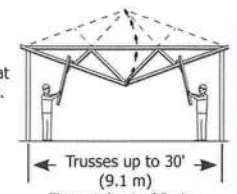
☑ Place truss bundles in stable position.
Puse paquetes de trusses en una posición estable.

HOISTING RECOMMENDATIONS OF SINGLE TRUSSES BY HAND
RECOMMENDACCIONES DE LEVANTAMIENTO DE TRUSSES INDIVIDUALES POR LA MANO

☑ Trusses 20' (6.1 m) or less, support at peak.
Soporte del pico los trusses de 20 pies o menos.



☑ Trusses 30' (9.1 m) or less, support at quarter points.
Soporte de los cuartos de tramo los trusses de 30 pies o menos.

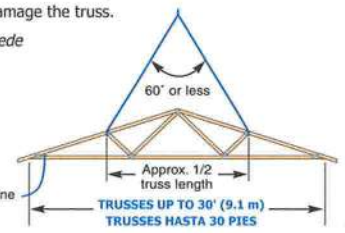


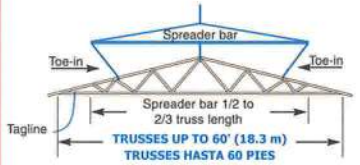
HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES

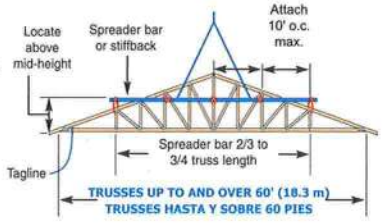
☑ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

NOTICE Using a single pick-point at the peak can damage the truss.
El uso de un solo lugar en el pico para levantar puede hacer daño al truss.





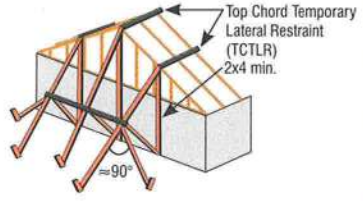


⊘ **DO NOT** walk on unbraced trusses.
NO camine en trusses sueltos.

TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

NOTICE Refer to **BCSI-B2***** for more information.
*Vea el resumen **BCSI-B2***** para más información.*

☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).
Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la tabla en la próxima columna).



STEPS TO SETTING TRUSSES
LAS MEDIDAS DE LA INSTALACIÓN DE LOS TRUSSES

☑ **1)** Install ground bracing. **2)** Set first truss and attach securely to ground bracing. **3)** Set next 4 trusses with short member temporary lateral restraint (see below). **4)** Install top chord diagonal bracing (see below). **5)** Install web member plane diagonal bracing to stabilize the first five trusses (see below). **6)** Install bottom chord temporary lateral restraint and diagonal bracing (see below). **7)** Repeat process on groups of four trusses until all trusses are set.

1) Instale los arriostres de tierra. 2) Instale el primero truss y ate seguramente al arriostre de tierra. 3) Instale los próximos 4 trusses con restricción lateral temporal de miembro corto (vea abajo). 4) Instale el arriostre diagonal de la cuerda superior (vea abajo). 5) Instale arriostre diagonal para los planos de los miembros secundarios para estabilice los primeros cinco trusses (vea abajo). 6) Instale la restricción lateral temporal y arriostre diagonal para la cuerda inferior (vea abajo). 7) Repita éste procedimiento en grupos de cuatro trusses hasta que todos los trusses estén instalados.

NOTICE Refer to **BCSI-B2***** for more information.
*Vea el resùmen **BCSI-B2***** para más información.

RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES
RESTRICCIÓN/ARRIOSTRE PARA TODOS PLANOS DE TRUSSES

☑ This restraint & bracing method is for all trusses except 3x2 and 4x2 parallel chord trusses (PCTs). See top of next column for temporary restraint and bracing of PCTs.

Este método de restricción y arriostre es para todo trusses excepto trusses de cuerdas paralelas (PCTs) 3x2 y 4x2. Vea la parte superior de la columna para la restricción y arriostre temporal de PCTs.

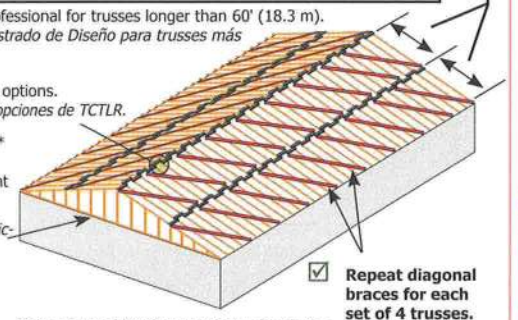
1) TOP CHORD — *CUERDA SUPERIOR*

Truss Span *Longitud de Tramo*	Top Chord Temporary Lateral Restraint (TCTLR) Spacing *Espaciamiento del Arriostre Temporal de la Cuerda Superior*
Up to 30' (9.1 m)	10' (3 m) o.c. max.
30' (9.1 m) – 45' (13.7 m)	8' (2.4 m) o.c. max.
45' (13.7 m) – 60' (18.3 m)	6' (1.8 m) o.c. max.
60' (18.3 m) – 80' (24.4 m)*	4' (1.2 m) o.c. max.

*Consult a Registered Design Professional for trusses longer than 60' (18.3 m).
Consulte a un Professional Registrado de Diseño para trusses más de 60 pies.

☑ See **BCSI-B2***** for TCTLR options.
*Vea el **BCSI-B2***** para las opciones de TCTLR.*

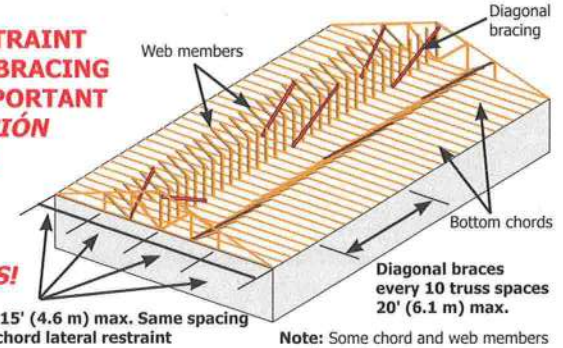
NOTICE Refer to **BCSI-B3***** for Gable End Frame restraint/bracing/ reinforcement information.
*Para información sobre restricción/arriostre/refuerzo para Armazones Hastiales vea el resumen **BCSI-B3****



Note: Ground bracing not shown for clarity.

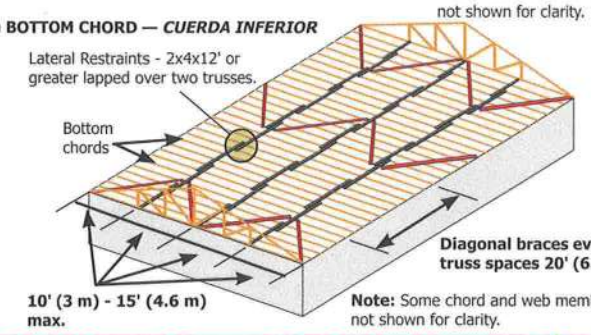
2) WEB MEMBER PLANE — *PLANO DE LOS MIEMBROS SECUNDARIOS*

NOTICE
LATERAL RESTRAINT & DIAGONAL BRACING ARE VERY IMPORTANT
¡LA RESTRICCIÓN LATERAL Y EL ARRIOSTRE DIAGONAL SON MUY IMPORTANTES!



Note: Some chord and web members not shown for clarity.

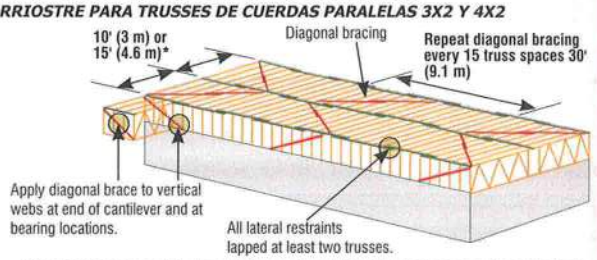
3) BOTTOM CHORD — *CUERDA INFERIOR*



Note: Some chord and web members not shown for clarity.

RESTRAINT & BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES
RESTRICCIÓN Y ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3X2 Y 4X2

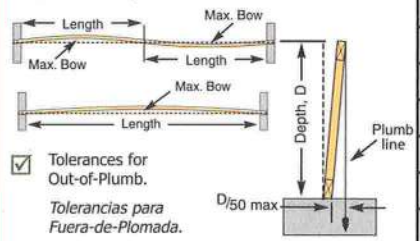
NOTICE Refer to **BCSI-B7***** for more information.
*Vea el resumen **BCSI-B7***** para más información.*



***Top chord temporary lateral restraint spacing shall be 10' (3 m) o.c. max. for 3x2 chords and 15' (4.6 m) o.c. for 4x2 chords.**

INSTALLING — *INSTALACIÓN*

☑ Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



☑ Tolerances for Out-of-Plumb.
Tolerancias para Fuera-de-Plomada.

Out-of-Plumb		Out-of-Plane	
D/50	D (ft.)	Max. Bow	Truss Length
1/4" (6 mm)	1' (0.3 m)	3/4" (19 mm)	12.5' (3.8 m)
1/2" (13 mm)	2' (0.6 m)	7/8" (22 mm)	14.6' (4.5 m)
3/4" (19 mm)	3' (0.9 m)	1" (25 mm)	16.7' (5.1 m)
1" (25 mm)	4' (1.2 m)	1-1/8" (29 mm)	18.8' (5.7 m)
1-1/4" (32 mm)	5' (1.5 m)	1-1/4" (32 mm)	20.8' (6.3 m)
1-1/2" (38 mm)	6' (1.8 m)	1-3/8" (35 mm)	22.9' (7.0 m)
1-3/4" (45 mm)	7' (2.1 m)	1-1/2" (38 mm)	25.0' (7.6 m)
2" (51 mm)	≥8' (≥2.4 m)	1-3/4" (45 mm)	29.2' (8.9 m)
		2" (51 mm)	≥33.3' (10.1 m)

CONSTRUCTION LOADING
CARGA DE CONSTRUCCIÓN

⊘ **DO NOT** proceed with construction until all lateral restraint and bracing is securely and properly in place.
NO proceda con la construcción hasta que todas las restricciones laterales y los arriostres estén colocados en forma apropiada y segura.

⊘ **DO NOT** exceed maximum stack heights. Refer to **BCSI-B4***** for more information.
*NO exceda las alturas máximas de montón. Vea el resumen **BCSI-B4***** para más información.*

Maximum Stack Height for Material on Trusses	
Material	Height
Gypsum Board	12" (305 mm)
Plywood or OSB	16" (406 mm)
Asphalt Shingles	2 bundles
Concrete Block	8" (203 mm)
Clay Tile	3-4 tiles high

⊘ **DO NOT** overload small groups or single trusses.
NO sobrecargue pequeños grupos o trusses individuales.

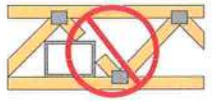
⊘ **NEVER** stack materials near a peak or at mid-span.
***NUNCA** amontone los materiales cerca de un pico.*

☑ Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.

☑ Position loads over load bearing walls.
Coloque las cargas sobre las paredes soportantes.

ALTERATIONS — ALTERACIONES

NOTICE Refer to **BCSI-B5.***.
*Vea el resumen **BCSI-B5.***.*



⊘ **DO NOT** cut, alter, or drill any structural member of a truss unless specifically permitted by the truss design drawing.
NO corte, altere o perfore ningún miembro estructural de un truss, a menos que esté específicamente permitido en el dibujo del diseño del truss.

NOTICE Trusses that have been overloaded during construction or altered without the Truss Manufacturer's prior approval may render the Truss Manufacturer's limited warranty null and void.
Trusses que se han sobrecargado durante la construcción o han sido alterados sin la autorización previa del Fabricante de Trusses, pueden hacer nulo y sin efecto la garantía limitada del Fabricante de Trusses.

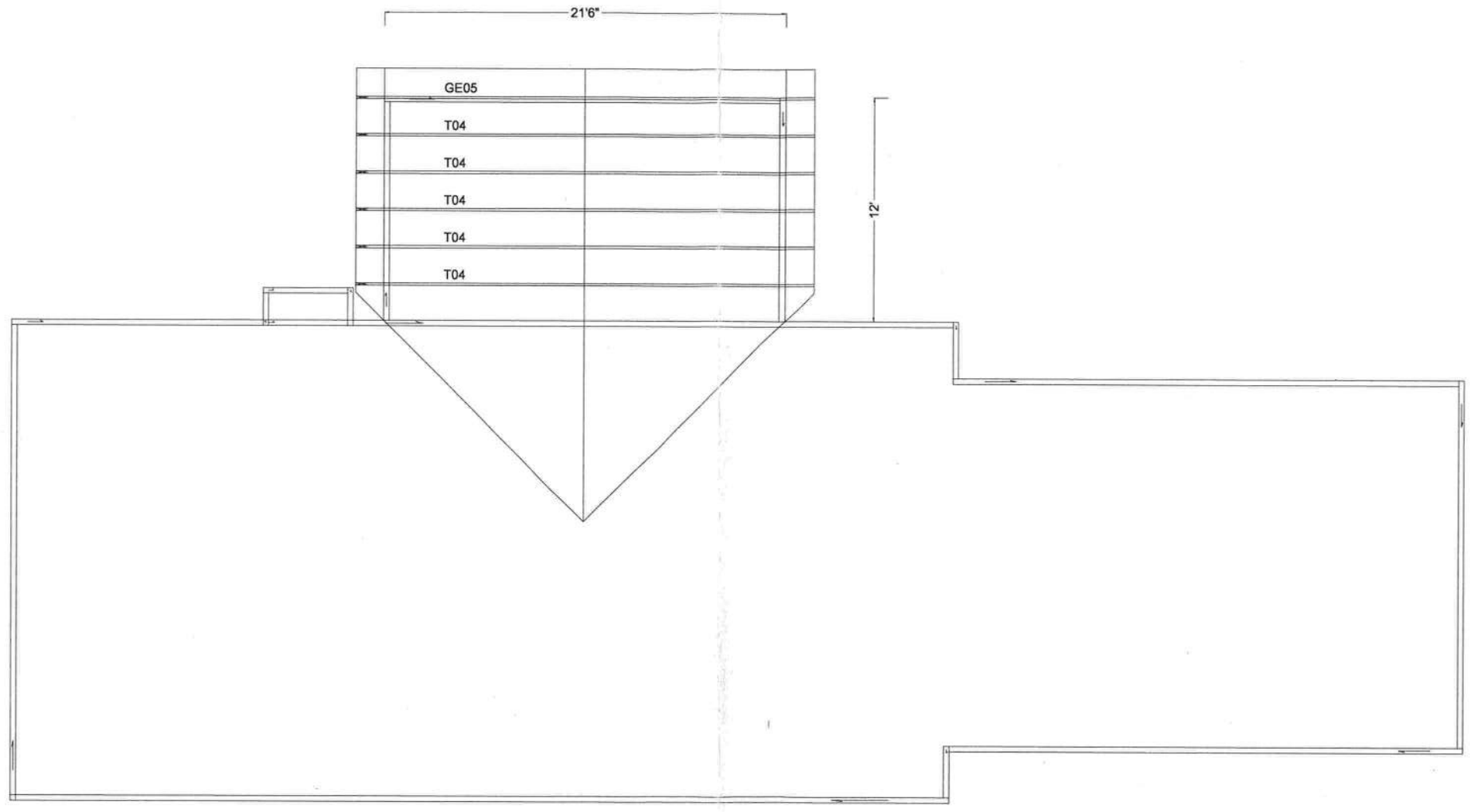
***Contact the Component Manufacturer for more information or consult a Registered Design Professional for assistance.**
To view a non-printing PDF of this document, visit www.sbcindustry.com/b1.

NOTE: The truss manufacturer and truss designer rely on the presumption that the contractor and crane operator (if applicable) are professionals with the capability to undertake the work they have agreed to do on any given project. If the contractor believes it needs assistance in some aspect of the construction project, it should seek assistance from a competent party. The methods and procedures outlined in this document are intended to ensure that the overall construction techniques employed will put the trusses into place SAFELY. These recommendations for handling, installing, restraining and bracing trusses are based upon the collective experience of leading personnel involved with truss design, manufacture and installation, but must, due to the nature of responsibilities involved, be presented only as a GUIDE for use by a qualified building designer or contractor. It is not intended that these recommendations be interpreted as superior to the building designer's design specification for handling, installing, restraining and bracing trusses and it does not preclude the use of other equivalent methods for restraining/bracing and providing stability for the walls, columns, floors, roofs and all the interrelated structural building components as determined by the contractor. Thus, WTCA and TPI expressly disclaim any responsibility for damages arising from the use, application, or reliance on the recommendations and information contained herein.

WTCA
REPRESENTING THE STRUCTURAL BUILDING COMPONENTS INDUSTRY
6300 Enterprise Lane • Madison, WI 53719
608/274-4849 • www.sbcindustry.com

TPI
TRUSS PLATE INSTITUTE
218 N. Lee St., Ste. 312 • Alexandria, VA 22314
703/683-1010 • www.tpinst.org

B1WARN11x17 080828



SUBMISSION #	JOB #
☐ 1 Reviewed No exceptions	☐ 4 Rejected
☐ 2 Reviewed Exceptions Noted	☐ 5 Information Only
☐ 3 Revise & Resubmit	

Reviewed only for general conformance with the project requirements indicated in Contract Documents and for consistency with the project design concept. This review does not relieve the Contractor from responsibility, for errors or omissions in designs for which the contractor is responsible for compliance with all requirements of the Contract Documents, and for the safe and successful construction of the work. This review does not consider the means, methods, techniques, sequences, and operations of the construction, or safety precautions, or programs incidental thereto, which are the sole responsibility of the Contractor.

Date: 12/2/09 ALEXANDER GRACE CONSULTING, INC.

Checked By:

Signature:

BUILDER:
BRAD SMITH

SUBDIVISION:
SW ANGELA TERRACE

LOT NUMBER:

MODEL:
SMITH ADDITION

DESIGNED/CHECKED:
CB/DM

TRUE TRUSS
A DIVISION OF
TRUEHOUSE

APEX TECHNOLOGY

This drawing is not sufficient alone for installation. Additional instructions accompanying this drawing, including BCSI-B1, should be used in conjunction with the architectural and structural plans during installation. If BCSI-B1 has not been shipped to the site with the components shown on this page, please contact Apex Technology for a free copy. Permanent bracing for the building, including bracing to resist wind, seismic, or other lateral forces, and permanent bracing for all structural elements, is the responsibility of the Engineer of Record for the structure or the building designer, per ANSI/TPI 1-2002 Chapter 2.

11-165-09

MICHAEL KOZLOWSKI
PE No. 60839

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Ave
City Lake City Phone 752-1703

Site Location: Subdivision Piccadilly Park
Lot # _____ Block# _____ Permit # 28428
Address 365 SW Angela Ter L.C.

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	288	72	28.8

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 _____.

4-15-10	7:45	Fogg
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©