

DATE06/13/2008

Columbia County Building Permit

PERMIT000027083

This Permit Must Be Prominently Posted on Premises During Construction

APPLICANTBECKY DUGAN

PHONE752-8653

ADDRESSP.O. BOX 815

LAKE CITYFL32056

OWNERGENESIS DEVELOPERS

PHONE752-8653

ADDRESS165NW BILLYE PLACE

LAKE CITYFL32055

CONTRACTORBRYAN ZECHER

PHONE752-8653

LOCATION OF PROPERTY

90W, TR ON BROWN RD, TR ETHAN PL, TR ON KATELYN WAY, TL
ON BILLYE PLACE, 3RD LOT ON LEFT

TYPE DEVELOPMENTSFD,UTILITY

ESTIMATED COST OF CONSTRUCTION80650.00

HEATED FLOOR AREA1235.00

TOTAL AREA1613.00

HEIGHT

STORIES1

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH6/12

FLOORSLAB

LAND USE & ZONINGRSF/MH2

MAX. HEIGHT16

Minimum Set Back Requirments:

STREET-FRONT25.00

REAR15.00

SIDE10.00

NO. EX.D.U.0

FLOOD ZONEX PP

DEVELOPMENT PERMIT NO.

PARCEL ID28-3S-16-02377-125

SUBDIVISIONMAGNOLIA HILLS

LOT25

BLOCK

PHASE

UNIT

TOTAL ACRES

000001610

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

CULVERT

08-409

BK

JH

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:

ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash2280

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$405.00

CERTIFICATION FEE \$8.06

SURCHARGE FEE \$8.06

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 \$25.00

TOTAL FEE521.12

INSPECTORS OFFICE

CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No 2502-0525

(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company

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

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

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

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

Section 1: General Information (Treating Company information)

Company Name: Florida Pest Control & Co.

Company Address: 536 SE Baya Dr City: Lake City State: FL Zip 32025

Company Business License No. 3460

Company Phone No. 386-752-1703

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name _____ Phone No. _____

Section 3: Property Information

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) _____

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other _____

Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment _____

Brand Name of Product(s) Used Bora-Care

EPA Registration No. 64405-1

Approximate Final Mix Solution % 1.0

Approximate Size of Treatment Area: Sq. ft. _____ Linear ft. _____ Linear ft. of Masonry Voids _____

Approximate Total Gallons of Solution Applied _____

Was treatment completed on exterior? ☐ Yes ☐ No

Service Agreement Available? ☐ Yes ☐ No

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

Attachments (List) _____

Comments _____

Name of Applicator(s) _____

Certification No. (if required by State law) _____

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

Authorized Signature _____

Date _____

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

Form NPCA-99-B may still be used

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up	N/A		
5. Automatic	N/A		
6. Other	—		
B. WINDOWS			
1. Single hung	Action Window Tech.		FL 8933.3
2. Horizontal Slider			
3. Casement	—		
4. Double Hung	—		
5. Fixed	—		
6. Awning	—		
7. Pass-through	—		
8. Projected	—		
9. Mullion	—		
10. Wind Breaker	—		
11. Dual Action	—		
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plank		FL 889-R1
2. Soffits	Ashley Aluminium		FL 4968
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	ELK / CertainTeed		FL 728-R1 / FL 250-R1
2. Underlayments	Felt		FL 1814
3. Roofing Fasteners	Nails		ROA 3378
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	—		

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE- AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS:

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale. details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ 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 per FBC 106.1.

Site Plan information including:

- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel. existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient. Components and Cladding The design wind pressure in terms of psf (kN/m²). to be used for the design of exterior component and cladding materials not specifiically designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- ✓ Location, size and height above roof of chimneys
- ✓ Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- ☒ Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
 - ☒ All exterior and interior shear walls indicated
 - ☒ Shear wall opening shown (Windows, Doors and Garage doors)
 - ☒ Emergency escape and rescue opening in each bedroom (net clear opening shown)
 - ☒ Safety glazing of glass where needed
 - ☒ Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
 - ☒ Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
 - ☒ Plans must show and identify accessibility of bathroom (see FRC 322)
- All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- ☒ a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- ☒ b) All posts and/or column footing including size and reinforcing
- ☒ c) Any special support required by soil analysis such as piling.
- ☒ d) Assumed load-bearing value of soil _____ (psf)
- ☒ e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

- ☒ 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

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- ☒ Show all materials making up walls, wall height, and Block size, mortar type
- ☒ 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

- ☒ Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- ☒ Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- ☒ Girder type, size and spacing to load bearing walls, stem wall and/or piers
- ☒ Attachment of joist to girder
- ☒ Wind load requirements where applicable
- ☒ Show required under-floor crawl space
- ☒ Show required amount of ventilation opening for under-floor spaces
- ☒ Show required covering of ventilation opening.
- ☒ 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 & intermediate of the areas structural panel sheathing
- ☒ Show Draft stopping, Fire caulking and Fire blocking
- ☒ Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- ☒ Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- ✓ Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- ✓ Fastener schedule for structural members per table R602.3 (1) are to be shown.
- ✓ 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
- ✓ 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.
- ✓ Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- ✓ Indicate where pressure treated wood will be placed.
- ✓ Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- ✓ A detail showing gable truss bracing, wall balloon framing details or and wall hinge bracing detail

ROOF SYSTEMS:

- ✓ Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- ✓ Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- ✓ Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- ✓ Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

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

ROOF SHEATHING FRC Table R602,3(2) FRC 803

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

ROOF ASSEMBLIES FRC Chapter 9

- ✓ Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- ✓ Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6. 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
- ✓ Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HYAC information shown

- ✓ Manual J sizing equipment or equivalent computation
- ✓ Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- ✓ All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- ✓ Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- ✓ Ceiling fans
- ✓ Smoke detectors
- ✓ Service panel, sub-panel, location(s) and total ampere ratings

- 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.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms
- Notarized Disclosure Statement for Owner Builders
- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- 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.
- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- 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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required. The permit cost is \$50.00.
- 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.
- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

Residential System Sizing Calculation

Summary

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

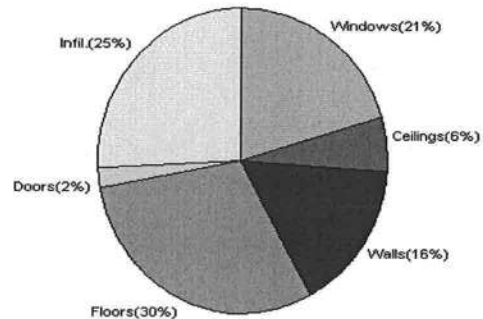
5/15/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	24608 Btuh	Total cooling load calculation	19723 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	113.8 28000	Sensible (SHR = 0.75)	134.8 21000
Heat Pump + Auxiliary(0.0kW)	113.8 28000	Latent	168.7 7000
		Total (Electric Heat Pump)	142.0 28000

WINTER CALCULATIONS

Winter Heating Load (for 1235 sqft)

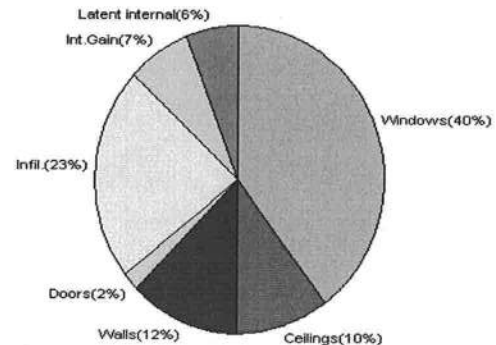
Load component		Load	
Window total	157 sqft	5054	Btuh
Wall total	1171 sqft	3846	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1235 sqft	1455	Btuh
Floor total	171 sqft	7466	Btuh
Infiltration	155 cfm	6270	Btuh
Duct loss		0	Btuh
Subtotal		24608	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		24608	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1235 sqft)

Load component		Load	
Window total	157 sqft	7813	Btuh
Wall total	1171 sqft	2442	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	1235 sqft	2045	Btuh
Floor total		0	Btuh
Infiltration	81 cfm	1502	Btuh
Internal gain		1380	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		15575	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		2949	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		4149	Btuh
TOTAL HEAT GAIN		19723	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 5-15-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

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

5/15/2008

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

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
3	2, Clear, Metal, 0.87	NW	18.0	32.2	579 Btuh
4	2, Clear, Metal, 0.87	SE	45.0	32.2	1449 Btuh
5	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	SW	9.0	32.2	290 Btuh
	Window Total		157(sqft)		5054 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1171	3.3	3846 Btuh
	Wall Total		1171		3846 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1235	1.2	1455 Btuh
	Ceiling Total		1235		1455Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	171.0 ft(p)	43.7	7466 Btuh
	Floor Total		171		7466 Btuh
	Zone Envelope Subtotal:				18339 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.94	9880	154.8	6270 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				24608 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24608 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24608 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

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

5/15/2008

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	40.0		32.2	1288 Btuh
3	2, Clear, Metal, 0.87	NW	18.0		32.2	579 Btuh
4	2, Clear, Metal, 0.87	SE	45.0		32.2	1449 Btuh
5	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	SW	9.0		32.2	290 Btuh
Window Total			157(sqft)			5054 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1171		3.3	3846 Btuh
Wall Total			1171			3846 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
Door Total			40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1235		1.2	1455 Btuh
Ceiling Total			1235			1455Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	171.0 ft(p)		43.7	7466 Btuh
Floor Total			171			7466 Btuh
Zone Envelope Subtotal:						18339 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	Load
	Natural	0.94		9880	154.8	6270 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					24608 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24608 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24608 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear (Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
805141ZeherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

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

5/15/2008

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

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft	5.5ft	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft	7.33	40.0	0.0	40.0	29	60	2401	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.5ft	3.5ft	18.0	0.0	18.0	29	60	1081	Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft	5.5ft	45.0	18.2	26.8	29	63	2203	Btuh
5	2, Clear, 0.87, None,N,N	SE	6ft.	5.5ft	30.0	30.0	0.0	29	63	869	Btuh
6	2, Clear, 0.87, None,N,N	SW	1.5ft	3.5ft	9.0	6.1	2.9	29	63	359	Btuh
	Window Total				157 (sqft)					7813 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1171.0			2.1		2442 Btuh	
	Wall Total				1171 (sqft)					2442 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				40.0			9.8		392 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1235.0			1.7		2045 Btuh	
	Ceiling Total				1235 (sqft)					2045 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		171 (ft(p))			0.0		0 Btuh	
	Floor Total				171.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									12693 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.49		9880			80.7		1502 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			0		1380 Btuh	
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									15575 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

5/15/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15575 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15575 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15575 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2949 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4149 Btuh
	TOTAL GAIN	19723 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

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

5/15/2008

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft	5.5ft	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft	7.33	40.0	0.0	40.0	29	60	2401	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.5ft	3.5ft	18.0	0.0	18.0	29	60	1081	Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft	5.5ft	45.0	18.2	26.8	29	63	2203	Btuh
5	2, Clear, 0.87, None,N,N	SE	6ft.	5.5ft	30.0	30.0	0.0	29	63	869	Btuh
6	2, Clear, 0.87, None,N,N	SW	1.5ft	3.5ft	9.0	6.1	2.9	29	63	359	Btuh
	Window Total				157 (sqft)					7813 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1171.0			2.1		2442 Btuh	
	Wall Total				1171 (sqft)					2442 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				40.0			9.8		392 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1235.0			1.7		2045 Btuh	
	Ceiling Total				1235 (sqft)					2045 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		171 (ft(p))			0.0		0 Btuh	
	Floor Total				171.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									12693 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.49		9880			80.7		1502 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			0		1380 Btuh	
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									15575 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
805141ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32055-

5/15/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15575 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15575 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15575 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2949 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4149 Btuh
	TOTAL GAIN	19723 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
805141ZecherBryan

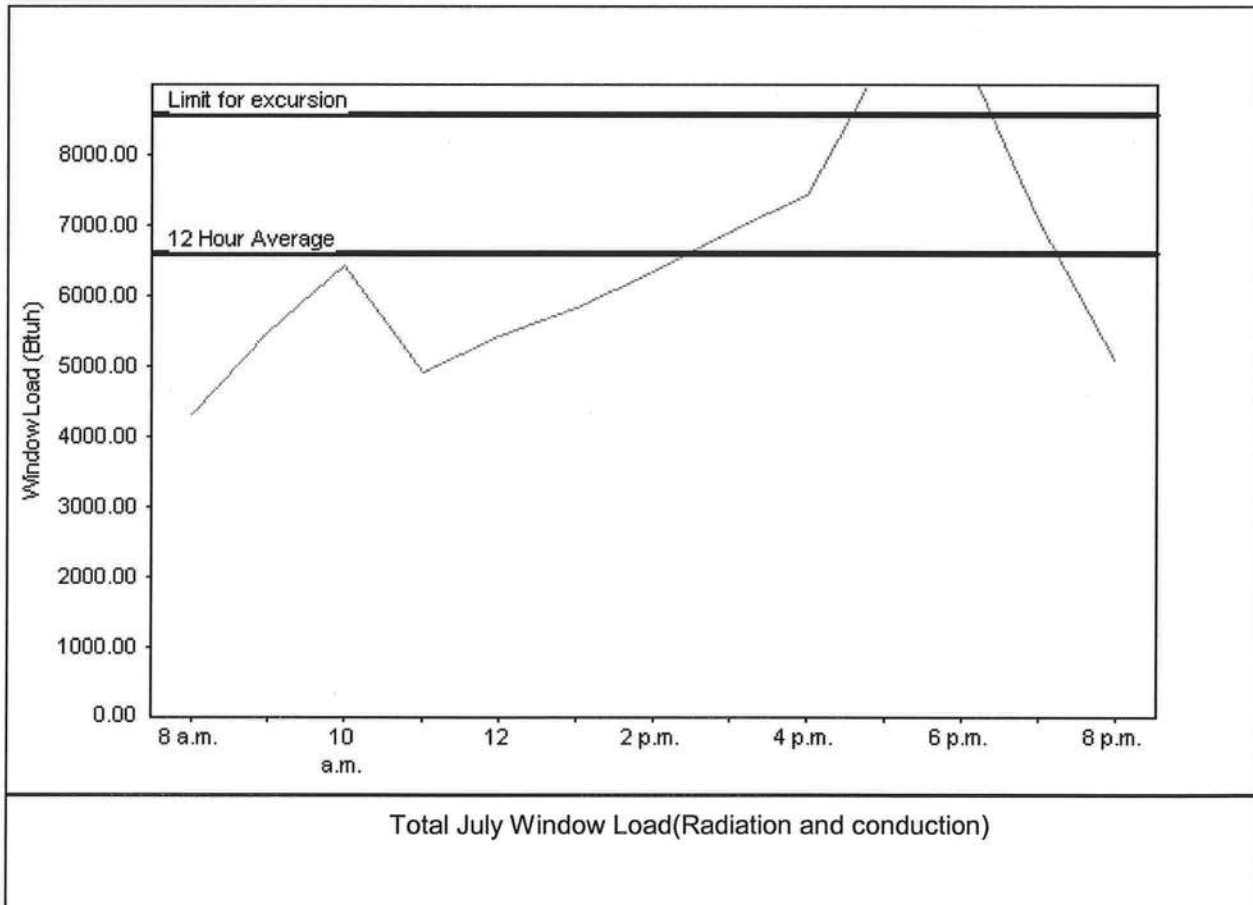
Class 3 Rating
Registration No. 0
Climate: North

5/15/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6594 Btuh
Summer setpoint	75 F	Peak window load for July	9474 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	8572 Btuh
Latitude	29 North	Window excursion (July)	902 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 5-15-09

EnergyGauge® FLR2PB v4.1



Columbia County Building Permit Application

2280
C/K # 62006

For Office Use Only Application # 0805-55 Date Received 5/30 By JW Permit # 1610/27083
 Zoning Official BLK Date 05.06.08 Flood Zone X Plet FEMA Map # N/A Zoning RSF/mH-2
 Land Use Res & La Dev Elevation N/A MFE 1st above Rd River N/A Plans Examiner OKJTH Date 6-3-08

Comments

☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. _____

Fax 758-8920Name Authorized Person Signing Permit Bryan Zacher / Becky Dugan Phone 752-8653Address P.O. Box 815, Lake City, FL 32056Owners Name Genesis Developers Phone 752-8653911 Address 165 NW Billie Place, Lake City, FL 32055-4844Contractors Name Bryan Zacher Construction, Inc Phone 752-8653Address P.O. Box 815, Lake City, FL 32056

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Tesna Ruffo / Mark DisoswayMortgage Lenders Name & Address First Federal Bank 4705 W US Hwy 90 Lake City, FL 32055Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 28-35-16-02377-125 Estimated Cost of Construction \$110,000Subdivision Name Magnolia Hills Lot 25 Block - Unit - Phase -

Driving Directions From US Hwy 90, turn North onto Brown Rd and Right onto Ethan Place into Magnolia Hills S/D. At stop sign turn Right onto Katelyn Way and then 1st Left onto Billie Place. Tab site is 3rd lot on Left. Number of Existing Dwellings on Property 0

Construction of single family residence Total Acreage .5 Lot Size _____Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16'10"Actual Distance of Structure from Property Lines - Front 25' Side 39' Side 40' Rear 74'8"Number of Stories 1 Heated Floor Area 1235 Total Floor Area 1613 Roof Pitch 6/12

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

Jeff Messer
6/5/08

need EH

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

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature _____

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

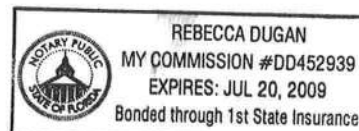
Contractor's Signature (Permitee) _____

Contractor's License Number CBC054575
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30th day of May 2008.
Personally known ☒ or Produced Identification _____

Rebecca Dugan
State of Florida Notary Signature (For the Contractor)

SEAL:



Prepared by and return to:

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2005-2188

Inst:2006003506 Date:02/13/2006 Time:16:16
Doc Stamp-Deed : 3276.00
DC, P. DeWitt Cason, Columbia County B:1073 P:2551

[Space Above This Line for Recording Data]

Warranty Deed

This Warranty Deed made this 9th day of February, 2006 between James Lambert Hair, II, a married person not residing on subject property whose post office address is 314 North Marion Avenue, Lake City, FL 32055, grantor, and Cornerstone Developers, LLC, a Florida Limited Liability Company whose post office address is 180 NW Amenity Court, Lake City, FL 32055, grantee:

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

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

Lots 1, 2, 6, 9, 10, 20, 22, 23, 24, 25, 26, 28, 29, 33, 35, 36, 37 and 38 of MAGNOLIA HILLS, according to the plat thereof as recorded in Plat Book 6, Page 189, public records of Columbia County, Florida.

Parcel Identification Number: R023777-101,102,106,109,120,110,122

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2005**.

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

THIS INSTRUMENT WAS PREPARED BY:
CASEY NORRIS, AN EMPLOYEE OF
FIRST FEDERAL BANK OF FLORIDA
P.O. BOX 2029
LAKE CITY, FL 32056

Inst 200812009944 Date 5/22/2008 Time 11:22 AM
✓ DC P DeWitt Cason, Columbia County Page 1 of 1 B 1150 P 2635

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 25, Magnolia Hills, a subdivision according to the plat thereof recorded in Plat Book 6 Page 189 of the Public Records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

Name and Address: Genesis Developers, LLC formerly known as Bryan Zecher Developers, LLC
formerly known as Cornerstone Developers, LLC
P.O. Box 815
Lake City, FL 32056

Interest in the Property: Fee Simple

Name and address of fee simple title holder (if other than Owner): None

4. Contractor: Bryan Zecher Construction, Inc.
Bryan Zecher
P.O. Box 815
Lake City, FL 32056
386-752-8653

5. Surety: N/A

6. Lender: First Federal Bank of Florida
4705 West US Highway 90
P.O. Box 2029
Lake City, FL 32056

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

8. In addition to himself, Owner designates Casey Norris of First Federal Bank of Florida, P.O. Box 2029, Lake City, FL 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

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

"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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT."

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.

Genesis Developers, LLC

Bryan Zecher, Managing Member

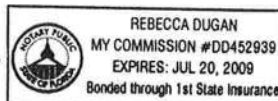
State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 20th day of May, 2008, by Bryan Zecher, who is personally known to me and who did not take an oath.

Notary Public

Printed Name of Notary

Commission Expires: July 20, 2009



Is
Service

Phone: (386) 752-6
Fax: (386) 752-1

Lynch Well Drilling, Inc.

173 SW Young Place
Lake City, FL 32025
www.lynchwelldrilling.com

January 14, 2008

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the Anna T. Lynch well:

Size of Pump Motor:	1.5 Horse Power
Size of Pressure Tank:	4 -Gallon Bladder Tank
Cycle Stop Valve Used:	No
Constant Pressure System:	Yes

Should you require any additional information, please contact us.

Sincerely,



Linda Newcomb
Lynch Well Drilling, Inc.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **805141ZecherBryan**
Address: **Lot: 25, Sub: Magnolia Hills, Plat:**
City, State: **Lake City, FL 32055-**
Owner: **Spec House**
Climate Zone: **North**

Builder:
Permitting Office:
Permit Number:
Jurisdiction Number:

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 1235 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 157.0 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 157.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 171.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1171.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1235.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 150.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 28.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 28.0 kBtu/hr
HSPF: 7.90 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons
EF: 0.93 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) ☐

Glass/Floor Area: 0.13

Total as-built points: 18572

Total base points: 21108

PASS

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

PREPARED BY: [Signature]

DATE: 5-15-08

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

OWNER/AGENT: [Signature]

DATE: 5/30/08

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

BUILDING OFFICIAL: _____

DATE: _____



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

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

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1235.0	20.04	4454.9	Double, Clear	W	1.5	5.5	15.0	38.52	0.90	518.3
				Double, Clear	W	1.5	7.3	40.0	38.52	0.95	1457.6
				Double, Clear	W	1.5	3.5	18.0	38.52	0.78	539.9
				Double, Clear	E	1.5	5.5	45.0	42.06	0.90	1696.4
				Double, Clear	E	6.0	5.5	30.0	42.06	0.50	624.8
				Double, Clear	S	1.5	3.5	9.0	35.87	0.70	227.1
				As-Built Total:			157.0			5064.1	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1171.0	1.50	1756.5	
Exterior	1171.0	1.70	1990.7								
Base Total: 1171.0 1990.7				As-Built Total:			1171.0 1756.5				
DOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.10	164.0	
Exterior	40.0	4.10	164.0								
Base Total: 40.0 164.0				As-Built Total:			40.0 164.0				
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1235.0	1.73	2136.6	Under Attic	30.0			1235.0	1.73 X 1.00	2136.6	
Base Total: 1235.0 2136.6				As-Built Total:			1235.0 2136.6				
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	171.0(p)	-37.0	-6327.0	Slab-On-Grade Edge Insulation	0.0			171.0(p)	-41.20	-7045.2	
Raised	0.0	0.00	0.0								
Base Total: -6327.0				As-Built Total:			171.0 -7045.2				
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
1235.0 10.21 12609.3							1235.0 10.21 12609.3				

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

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 15028.5				Summer As-Built Points: 14685.3						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
15028.5	0.4266		6411.2	(sys 1: Central Unit 28000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 14685	1.00		0.263	1.000		4386.4
				14685.3	1.00	1.138	0.263	1.000		4386.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1235.0	12.74	2832.1	Double, Clear	W	1.5	5.5	15.0	20.73	1.03	319.7
				Double, Clear	W	1.5	7.3	40.0	20.73	1.01	841.2
				Double, Clear	W	1.5	3.5	18.0	20.73	1.07	397.9
				Double, Clear	E	1.5	5.5	45.0	18.79	1.04	880.6
				Double, Clear	E	6.0	5.5	30.0	18.79	1.31	738.9
				Double, Clear	S	1.5	3.5	9.0	13.30	1.47	175.5
				As-Built Total:				157.0	3353.7		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1171.0	3.40		3981.4	
Exterior	1171.0	3.70	4332.7								
Base Total:				As-Built Total:		1171.0		3981.4			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			40.0	8.40		336.0	
Exterior	40.0	8.40	336.0								
Base Total:				As-Built Total:		40.0		336.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1235.0	2.05	2531.8	Under Attic	30.0		1235.0	2.05 X 1.00		2531.8	
Base Total:				As-Built Total:		1235.0		2531.8			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	171.0(p)	8.9	1521.9	Slab-On-Grade Edge Insulation	0.0		171.0(p)	18.80		3214.8	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		171.0		3214.8			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1235.0 -0.59 -728.6				1235.0 -0.59 -728.6							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		10825.8		Winter As-Built Points:				12689.0		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
10825.8	0.6274		6792.1	(sys 1: Electric Heat Pump 28000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 12689.0 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 6365.4 12689.0 1.00 1.162 0.432 1.000 6365.4						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

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

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
6411		6792		7905	21108	4386		6365	7820 18572

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.5

The higher the score, the more efficient the home.

Spec House, Lot: 25, Sub: Magnolia Hills, Plat: , Lake City, FL, 32055-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 28.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1235 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 28.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 157.0 ft ²	___		HSPF: 7.90
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 157.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 171.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A	___	___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1171.0 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1235.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 150.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: [Signature] Date: 5/30/08

Address of New Home: 165 NW Biltmore Place City/FL Zip: LC, FL 32055-4847



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

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

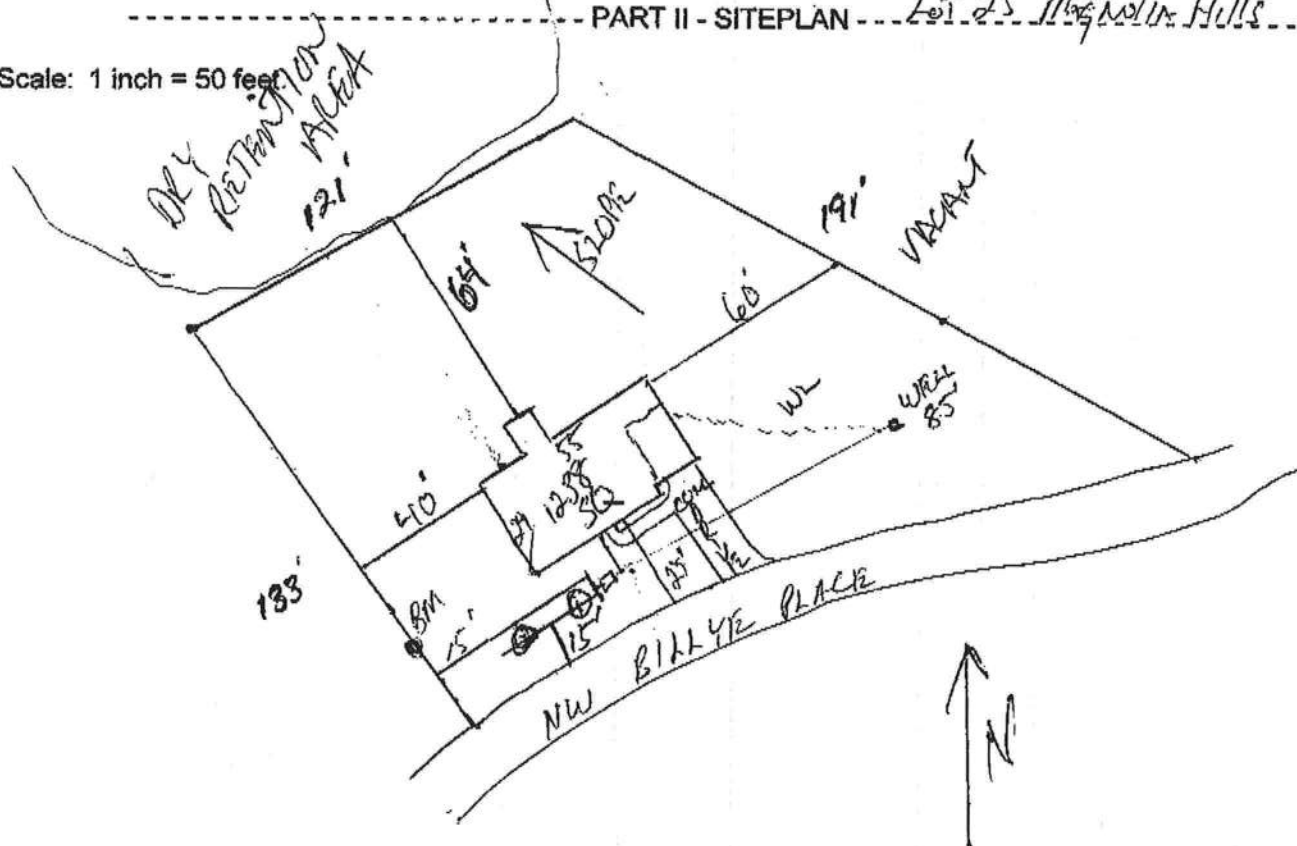
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0409

PART II - SITEPLAN

Lot 25 Magnolia Hills...

Scale: 1 inch = 50 feet



Notes:

Site Plan submitted by:

Plan Approved

Not Approved

By Ther S. Jander

Columbia

MASTER CONTRACTOR

Date 6-9-08

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633

Fax • (386) 752-5456

Jacksonville • (904) 381-8901

Fax • (904) 381-8902

Quincy • (850) 442-3495

Fax • (850) 442-4008

JOB NO.: 08-421
DATE TESTED: 8-15-08

REPORT OF IN-PLACE DENSITY TEST

27083

ASTM METHOD: (D-2922) Nuclear (D-2937) Drive Cylinder Other

PROJECT: Magnolia Hills Lot 25

CLIENT: Brian Zecker Const.

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR:

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS:

TECHNICIAN: R. Kramer

MODIFIED (ASTM D-1557): STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST:	PROCTOR NO.	WET DENS. LBS./CU.FT.	DRY DENS. LBS./CU.FT.	MOIST PERCENT	% MAX. DENS.
		DEPTH ELEV. LIFT					
1	8' E of SW corner x 6' N of SW corner	12"		111.3	106.5	4.5	100
2	10' S of NW corner x 25' E of NW corner	12"		110.9	105.2	5.4	98
3	15' S of NE corner x 8' N of NE corner	12"		113.6	107.7	5.0	101

REMARKS:

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
#2	Don Register pit	107.0	

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other
The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



27083
Engineers • Planners

128 SW Nassau St
Lake City, FL 32025
Phone 386-758-4209
Fax 386-758-4290

August, 7th, 2008

Columbia County Building and Zoning

RE: Lot 25 Magnolia Hills Subdivision, Property ID # 02377-025

To Whom It May Concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor a minimum of 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

William H. Freeman

William H. Freeman, P.E. # 56001
President
Cert. Of Authorization # 00008701

GENESIS CORP (CANYON)
OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 28-3S-16-02377-125

Building permit No. 000027083

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder BRYAN ZECHER

Waste: 117.25

Owner of Building GENESIS DEVELOPERS

Total: 162.19

Location: 165 NW BILLYE PLACE, LAKE CITY, FL

Date: 03/06/2009

Wayne D. Rice

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: 1THJ8228Z0316065547

Truss Fabricator: Anderson Truss Company
Job Identification: 8-134--Fill in later BRYAN ZECHER -- , **
Truss Count: 24
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: BRCLBSUB-



Seal Date: 05/16/2008

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

#	Ref	Description	Drawing#	Date
1	33951--H7A		08137002	05/16/08
2	33952--H9A		08136011	05/15/08
3	33953--H11A		08136017	05/15/08
4	33954--H13A		08136018	05/15/08
5	33955--A		08137001	05/16/08
6	33956--H13A1		08136015	05/15/08
7	33957--H11A1		08136016	05/15/08
8	33958--H9A1		08136019	05/15/08
9	33959--H7A1		08137003	05/16/08
10	33960--H7B		08136008	05/15/08
11	33961--B		08136013	05/15/08
12	33962--H13B		08136012	05/15/08
13	33963--H11B		08136010	05/15/08
14	33964--H9B		08136009	05/15/08
15	33965--CJ1		08136003	05/15/08
16	33966--HJ7		08136021	05/15/08
17	33967--HJ71		08136014	05/15/08
18	33968--CJ3		08136002	05/15/08
19	33969--CJ5		08136001	05/15/08
20	33970--EJ7		08136004	05/15/08
21	33971--EJ3S		08136006	05/15/08
22	33972--EJ5S		08136005	05/15/08
23	33973--EJ7S		08136020	05/15/08
24	33974--M1		08136007	05/15/08





THE UNIVERSITY OF CHICAGO PRESS

Bot	chord	2x6	SP	#1	Dense
Webbs	2x4	SP	#3		

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

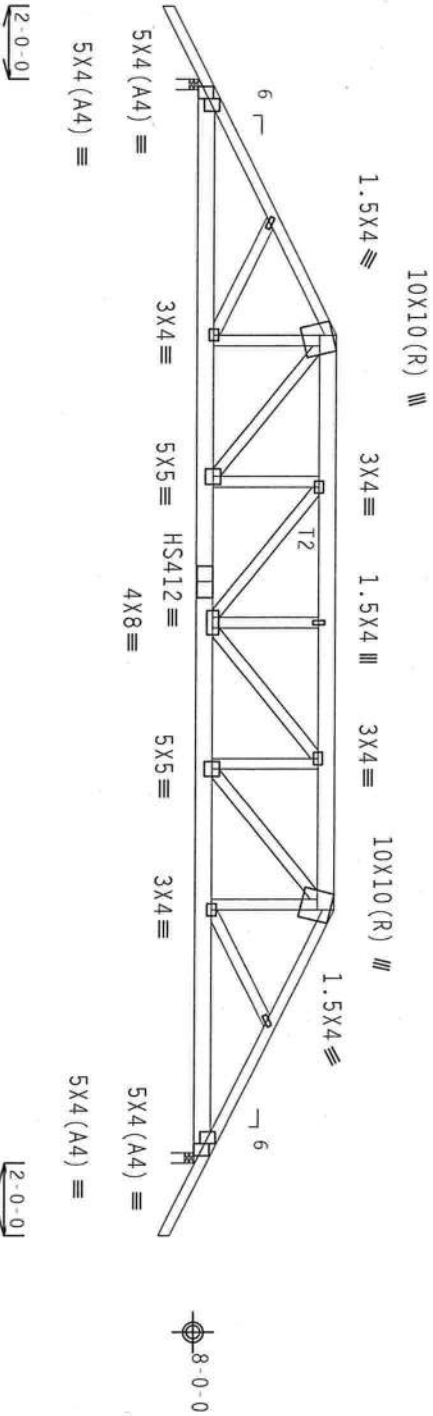
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

SPECIAL LOADS			
	(LUMBER	DUR.FAC.=1.25 /	PLATE DUR.FAC.=1.25)
TC - From	62 PLF at -2.00 to	62 PLF at 7.00	
TC - From	62 PLF at 7.00 to	62 PLF at 22.75	
TC - From	62 PLF at 22.75 to	62 PLF at 31.75	
BC - From	4 PLF at -2.00 to	4 PLF at 0.00	
BC - From	20 PLF at 0.00 to	20 PLF at 29.75	
BC - From	4 PLF at 29.75 to	4 PLF at 31.75	
TC - 182 LB Conc.	Load at 7.06,	9.06, 11.06,	13.06, 14.88
TC - 16.69,	18.69, 20.69,	22.69	
BC - 430 LB Conc.	Load at 7.00,	22.75	
BC - 77 LB Conc.	Load at 9.06,	11.06,	13.06, 14.88, 16.69
	18.69,	20.69	

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

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



$R=2880$ $U=325$ $W=3.5"$

PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

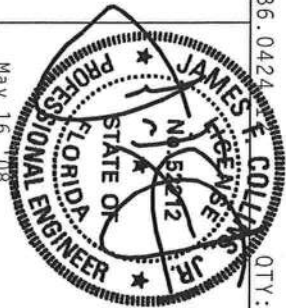
FL/-/-/3/-/-/E/R/-/-

Scale = .1875"/Ft.

WARNING: THIS IS AN EXTREME CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DECK (BUILDING) COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TIMBER PANEL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND APCA (WOOD TRUSS COUNCIL OF AMERICA, 9300 ENTERPRISE LANE, MOBILE, AL 36619) AND PRACTICE PAPERS TO PREFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844



May 16 08

TC LL	20.0 PSF	REF	R8228- 33951
TC DL	10.0 PSF	DATE	05/16/08
BC DL	10.0 PSF	DRW	HCUSR8228 08137002
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	33114
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228Z03

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$


7.36.0424

QTY:1

FL/-/3/-/E/R/-

Scale = .1875"/Ft.

WARNING FROES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DEMOUNTING TO AVOID BUILDING COMPONENT STRESS OR INFORMATION. PUBLISHED BY THE FIBERGLASS PANEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WFLA (600) TRUSS COUNCIL OF AMERICA, 6500 UNIVERSITY BLVD., MIAMI, FL 33139 FOR FABRICATING PRACTICES PRIOR TO DEMOUNTING THESE PANELS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.



ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 00779



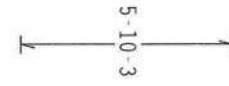
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TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136011
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	33029
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228203

THIS WORK PREPARED FROM COMPUTER INPUT (LUAUS & DIMENSIONS) SUBMITTED BY IKUSO MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.


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



Scale = .1875"/Ft.

JAMES F. COLLINS
LICENSE
NO. 52212

****IMPORTANT***FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 1TH BCG, INC. SHALL NOT

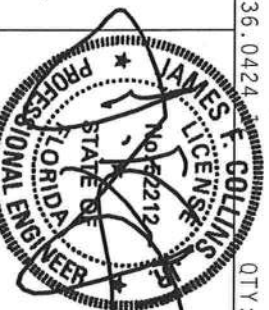


ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 00778



May 16 02

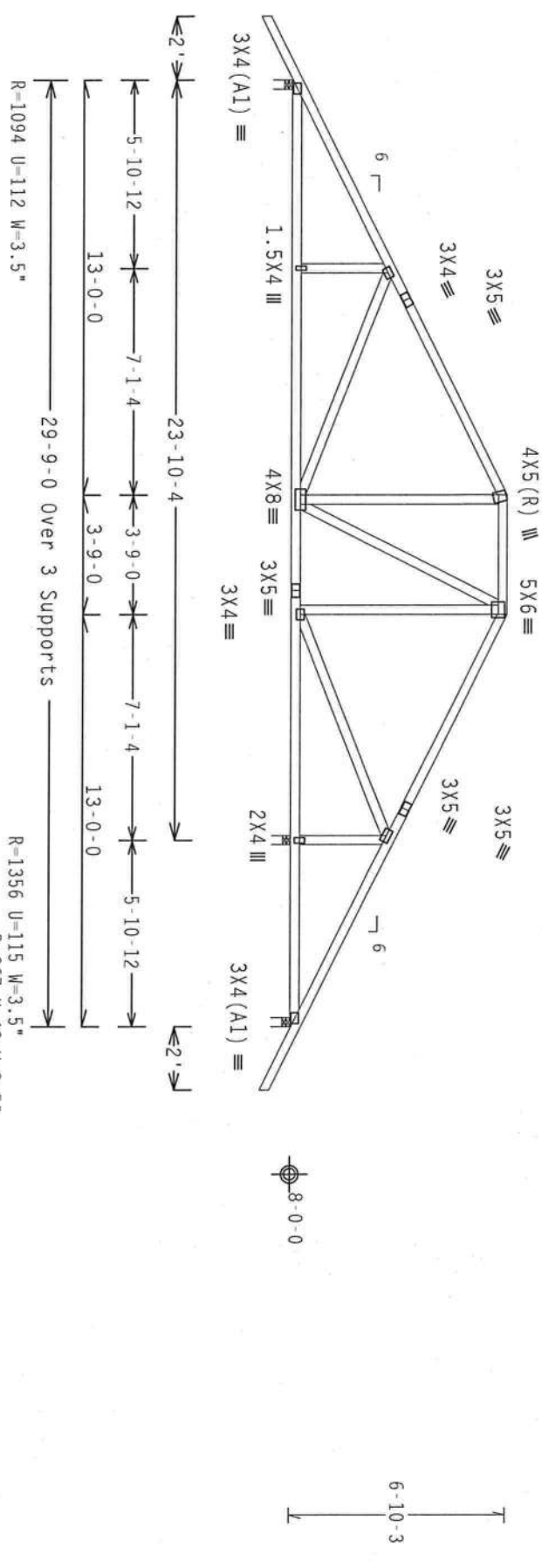
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TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136017
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN -	33034
DUR.FAC.	1.25	FROM JP	
SPACING	24.0"	JREF -	1THJ8228Z03

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

Roof overhang supports 2.00 psf soffit load.

In lieu of structural panels use purlins to brace all flat TC @ 24"

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 Gcpl(+/-)=0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.36.0424 E. COLLINS

QTY:1 FL/-/3/-/E/R/-

Scale = .1875"/ft.

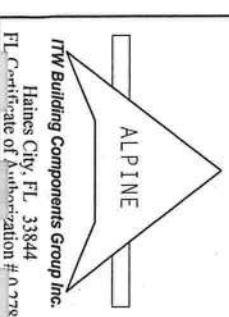
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS CONCEPTS OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

CONNECTION PLATES ARE MADE OF 20/10/100A (24/H/55/R) ASTM A653 GRADE 40/60 (4, 6/16, 55) GALV. STEEL. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC., BY AISC) AND TPI.

CONNECTION PLATES ARE MADE OF 20/10/100A (24/H/55/R) ASTM A653 GRADE 40/60 (4, 6/16, 55) GALV. STEEL. THE BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC., BY AISC) AND TPI.

ANY INSPECTION OF PLATES FOLLOWED BY A SIGNATURE OF THE DESIGNER SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 33954
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCU8R8228 08136018
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	33045
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	UREF-	1THJ8228Z03

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110 mph wind, 15.00 ft mean hgt, ASE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw=1.00 GCp(1+/-)=0.18

Wind reactions based on MWFRS pressures.

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

 $Cq/RT=1.00(1.25)/10(0)$

QTY:8 FL/-/3/-/E/R/-

Scale = .1875"/Ft.

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TC LL	20.0 PSF	REF	R8228- 33955
TC DL	10.0 PSF	DATE	05/16/08
BC DL	10.0 PSF	DRW	HCUSR8228 08137001
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEON-	33395
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228203

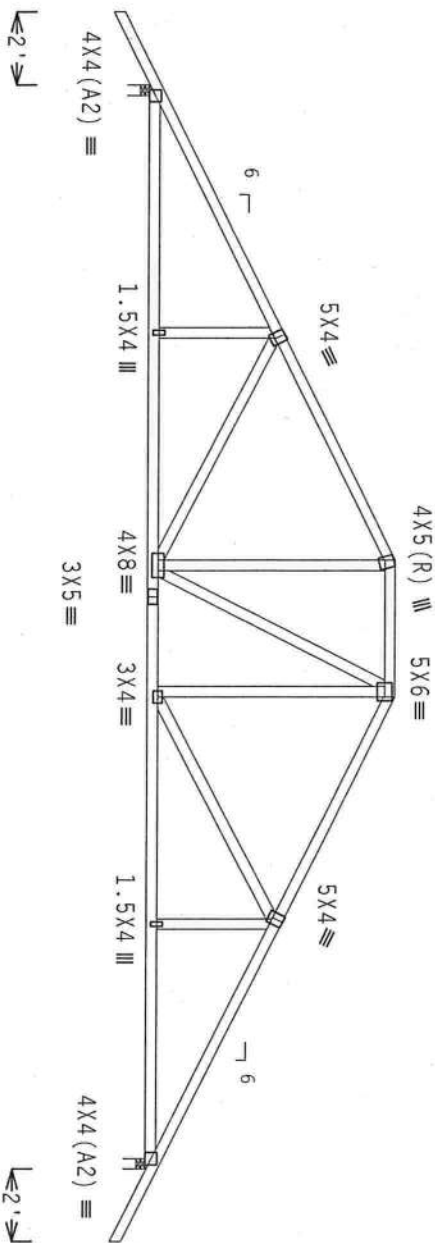
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Wabs	2x4	SP	#3	

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Wind reactions based on M/FRS pressures.

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



0-0-0

6-10-3

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

7.36.042

QTY:1

FL/-/3/-/E/R/-/

Scale = .1875"/Ft.

WARNING: THESE SAFETY PRACTICES ARE NOT TO BE USED IN FABRICATION, HANDLING, OR SHIPMENT OF TRUSS PLATE, INSTALLING AND BRACING TRUSS PLATE. SEE THE FOLLOWING FOR THE TRUSS PLATE INSTRUCTIONS. THESE SAFETY PRACTICES ARE NOT TO BE USED IN FABRICATION, HANDLING, OR SHIPMENT OF TRUSS PLATE. SEE THE FOLLOWING FOR THE TRUSS PLATE INSTRUCTIONS. THESE SAFETY PRACTICES ARE NOT TO BE USED IN FABRICATION, HANDLING, OR SHIPMENT OF TRUSS PLATE. SEE THE FOLLOWING FOR THE TRUSS PLATE INSTRUCTIONS.

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ITW Building Components Group Inc.

FL Certificate of Authorization # 0778



May 16 '08

TC LL	20.0 PSF	REF	R8228 - 33956
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136015
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	33057
DUR.FAC.	1.25	FROM JP	
SPACING	24.0"	JREF-	1THJ8228203

MR. KENNEDY OF ILLINOIS: (LAWRENCE & HENRIKSON)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, Wind BC DL=5.0 psf, Iw=1.00 Gcpl(+)=0.18

Wind reactions based on MWFRS pressures.

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

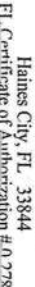
 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

FL/-/3/-/E/R/-

Scale = .1875"/Ft.



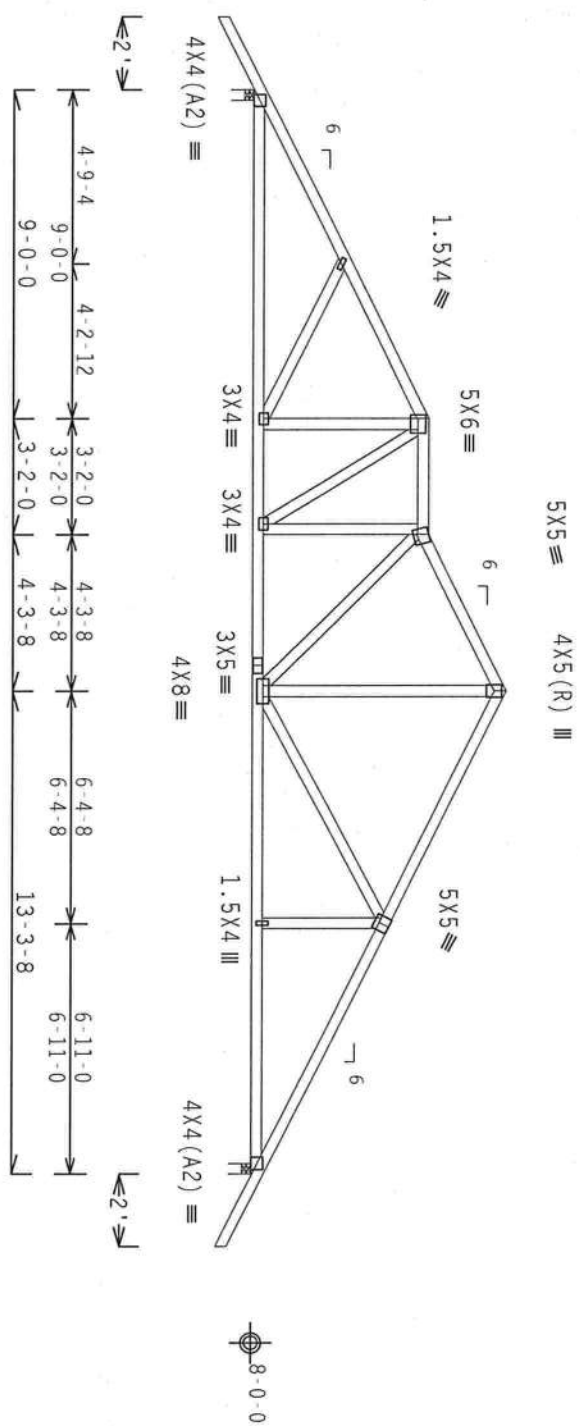
TC LL	20.0 PSF	REF	R8228- 33957
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136016
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	33062
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228Z03

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

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=1359 U=134 W=3.5"

R=1359 U=133 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-/3/-/E/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCEC (NATIONAL COUNCIL OF ENGINEERS OF AMERICA, 1801 R STREET, N.W., WASHINGTON, DC 20036) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	20.0 PSF	REF	R8228- 33958
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136019
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SECON-	33067
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1TH08228203

ALPINE
Haines City, FL 33844
FL Certificate of Authorization #0778

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.))_nails)

Bot Chord: 1 Row @12.00" 0.c.c.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf Iw=1.00 GCpf(+/-)=0.18

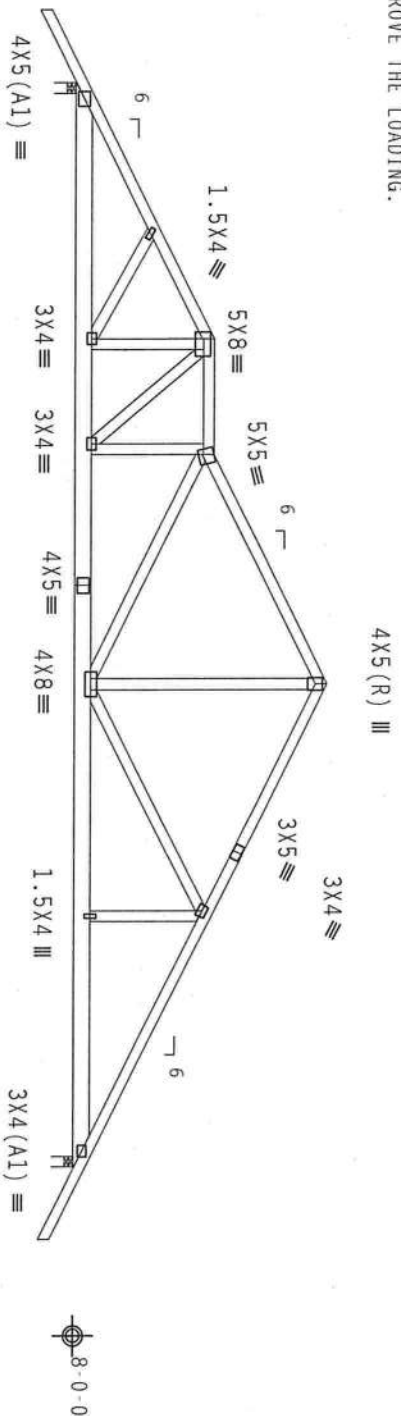
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

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

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER... IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.



2'-0-0

7-0-0

3-2-0

6-3-8

13-3-8

29-9-0 Over 2 Supports

2'-0-0

R=2786 U=361 W=3.5"

R=1915 U=248 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25) $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

FL/-/-/3/-/-/E/R/-/-

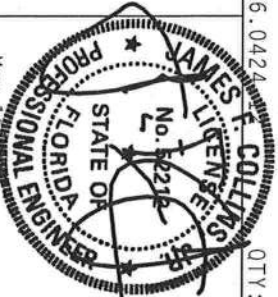
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ALPINE

ITW Building Components Group Inc

FL Certificate of Authorization # 0278



May 16 08

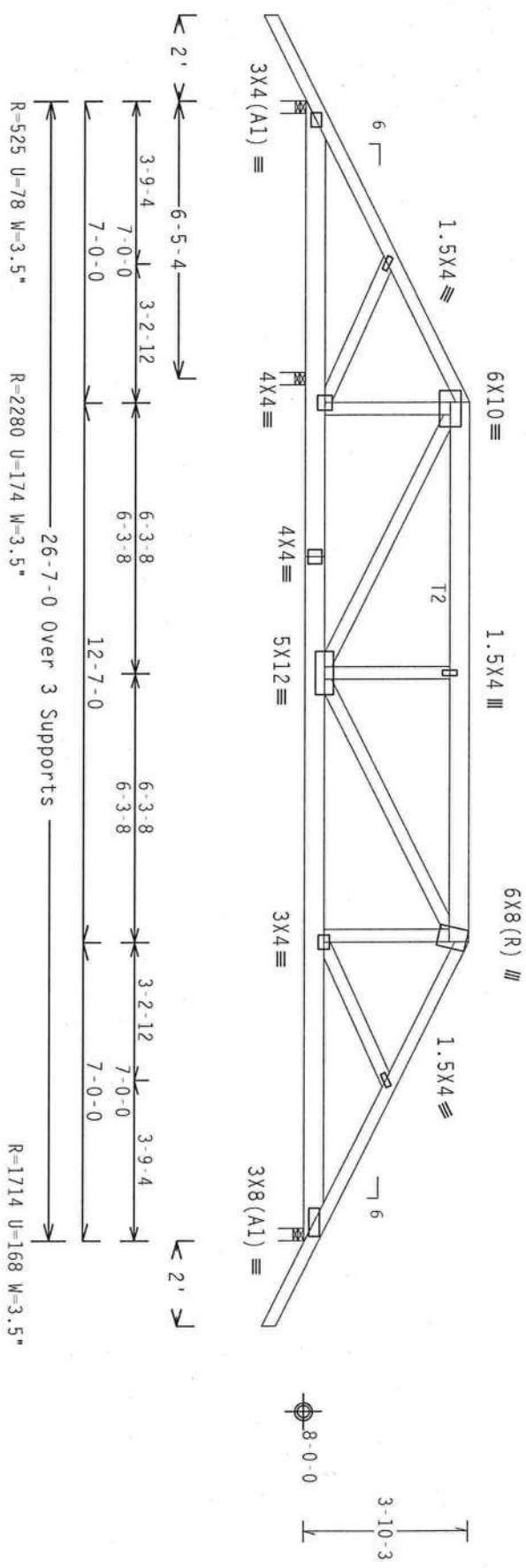
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TC DL	10.0 PSF	DATE	05/16/08
BC DL	10.0 PSF	DRW	HCUSR8228 08137003
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	33133
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228Z03

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00 Gcp1(+/-)=0.18$
Wind reactions based on MWFRS pressures.
#1 hip supports 7-0-0 jacks with no webs.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.36.0424

TTY.1

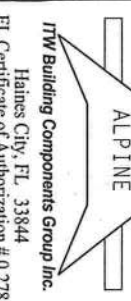
FL/-/3/-/E/R/-

Scale = .25"/ft.

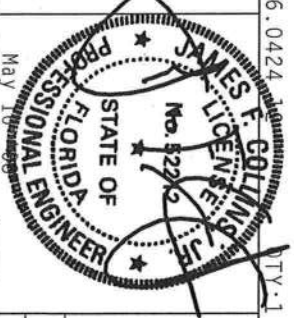
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCSD (BUILDING COMPONENT SAFETY DESIGN) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. CONNECTION PLATES ARE MADE OF 20/10/1600 (W/SS/RS) ASHTR A653 GRADE 40/60 (W, A/FN, SS) GALV. STEEL. APPLY 2.00 INCHES MINIMUM TO ALL CONNECTIONS. ALL DIMENSIONS ARE IN INCHES. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE INDICATED. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI-2002 SEC. 3.1.3. THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Haines City, FL 33844
FL Certificate of Authorization #0778



FL/3/-/E/R/-	Scale = .25"/ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	SEE ABOVE
REF	R8228- 33960
DATE	05/15/08
DRW	HCSR8228 08136008
HC-ENG DF/DF	
SEON-	33104
FROM	JP
JREF-	1TH8228203

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

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:2 FL/-/3/-/E/R/-

Scale = .3125" / Ft.

WARNING: THESE PILES REQUIRE EXHIBIT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRIVING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRESS PILE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 (606) 708-5500. TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MOUNTAIN VIEW, TX 75119 FOR SAFETY PRACTICES AND PRACTICE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED REID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT

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Haines City, FL 33844

FL Certificate of Authorization # 00778



TC LL	20.0 PSF	REF	R8228- 33961
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136013
BC LL	0.0 PSF	HC-ENG DF/DF	
TOT.LD.	40.0 PSF	SEGN-	33073
DUR.FAC.	1.25	FROM JP	
SPACING	24.0"	JREF-	1THJ8228Z03

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

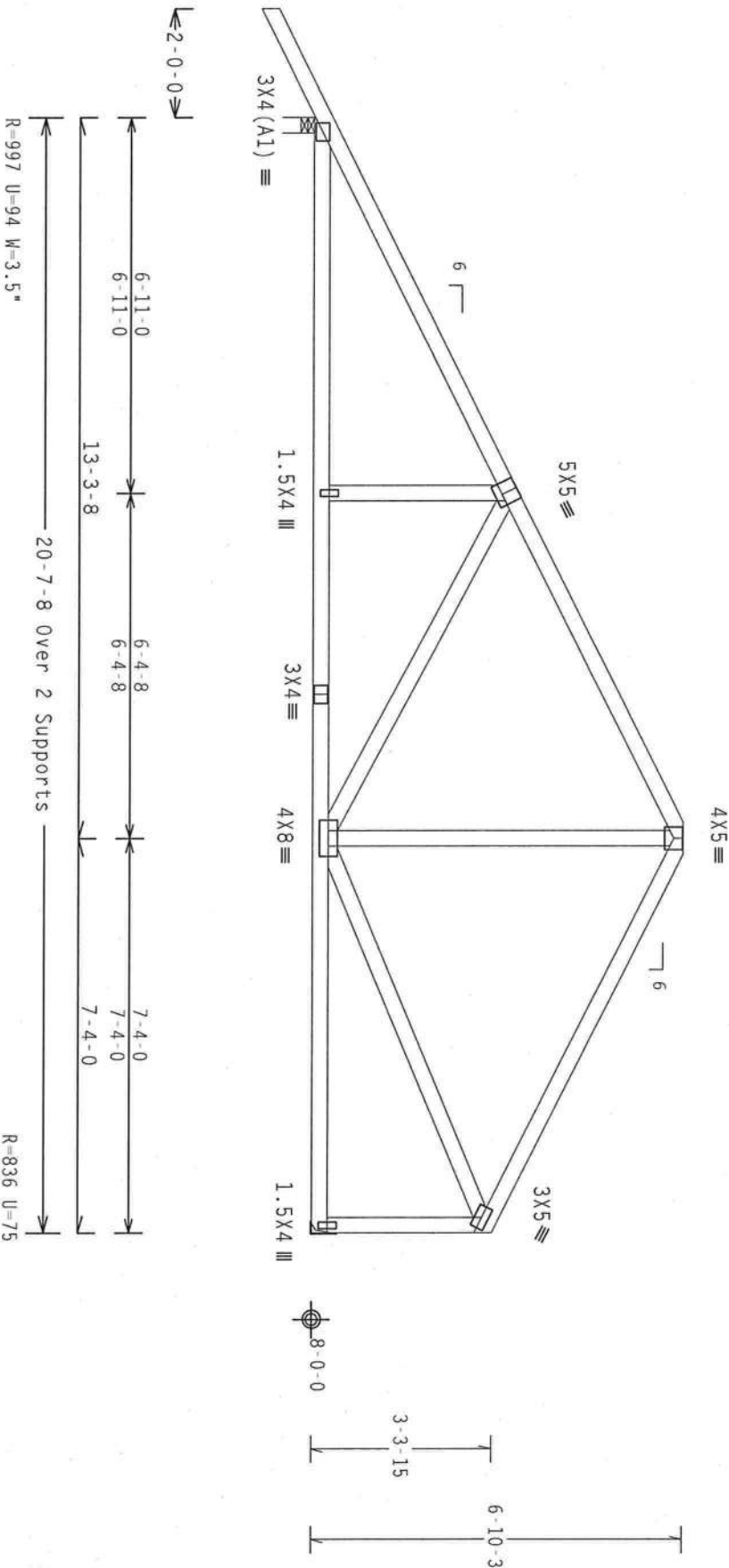
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.36.0424

QTY: 1

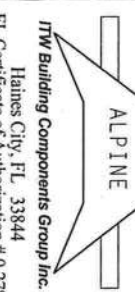
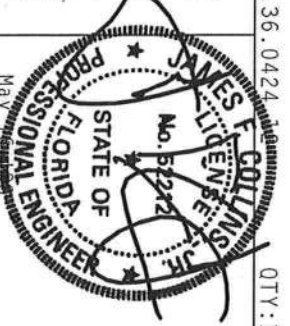
FL/-/3/-/E/R/-

Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2308 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD TRUSS COUNCIL OF AMERICA), 6200 ENTERPRISE LANE, MARIETTA, GA 30067 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CORRECTIONS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ACPA AND TPI. ITW BCG HAS REVIEWED THIS DESIGN AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 1600-2. DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization #0 778

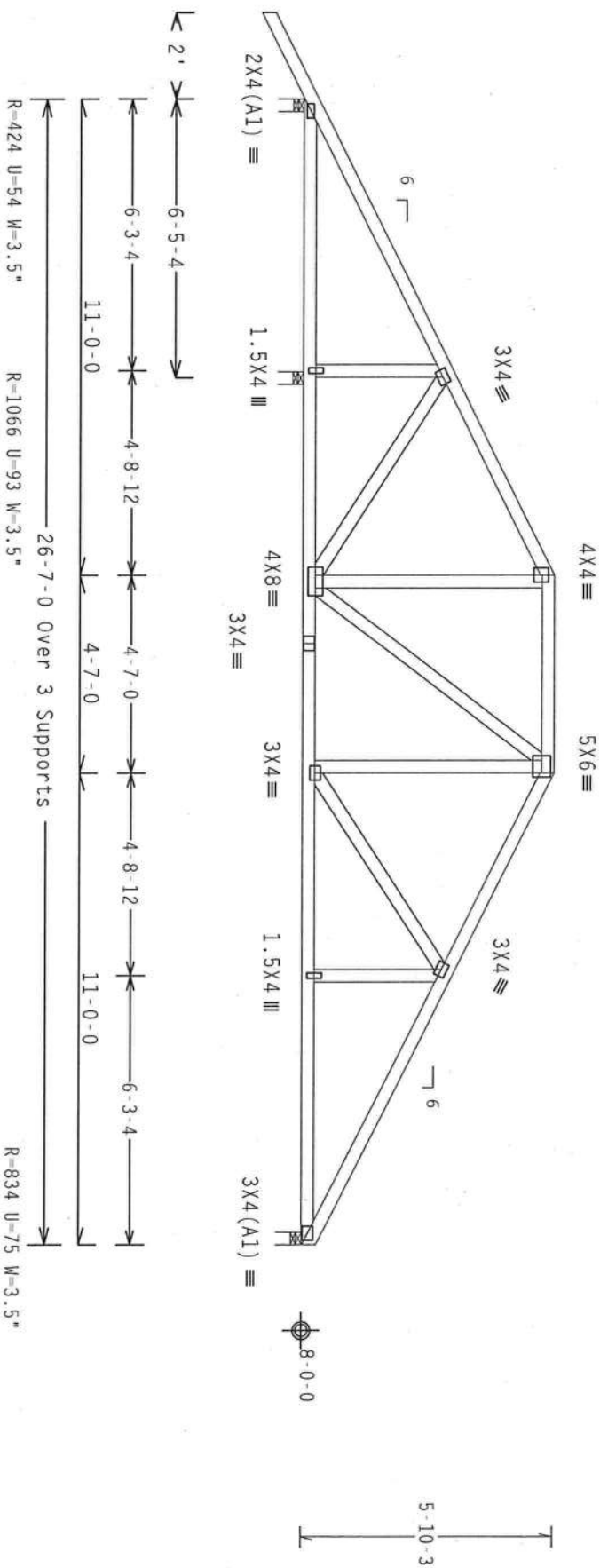
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TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136012
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	33080
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1THJ8228203

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1I, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

FL-/-/3/-/E/R/-

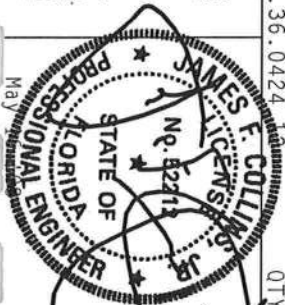
Scale = .25"/Ft

*****WARNING***** THESE REQUIRE EXHIBIT C, IN FABRICATION, MANU- SHIPING, SHIPING, INSTALLING, AND PRACTICE REFER TO UCS1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE STRESS PASTE, INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) TRUSS CONSULT OF AMERICA, 6500 ENTERPRISE LAKE, MADISON, WI, 53719 FOR SAFETY PRACTICES AND PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE GOOD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM GOOD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc

Haines City, FL 33844
FL Certificate of Authorization # 0779



TALL	20.0 PSF	REF	R8228- 33963
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136010
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	33088
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228Z03

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

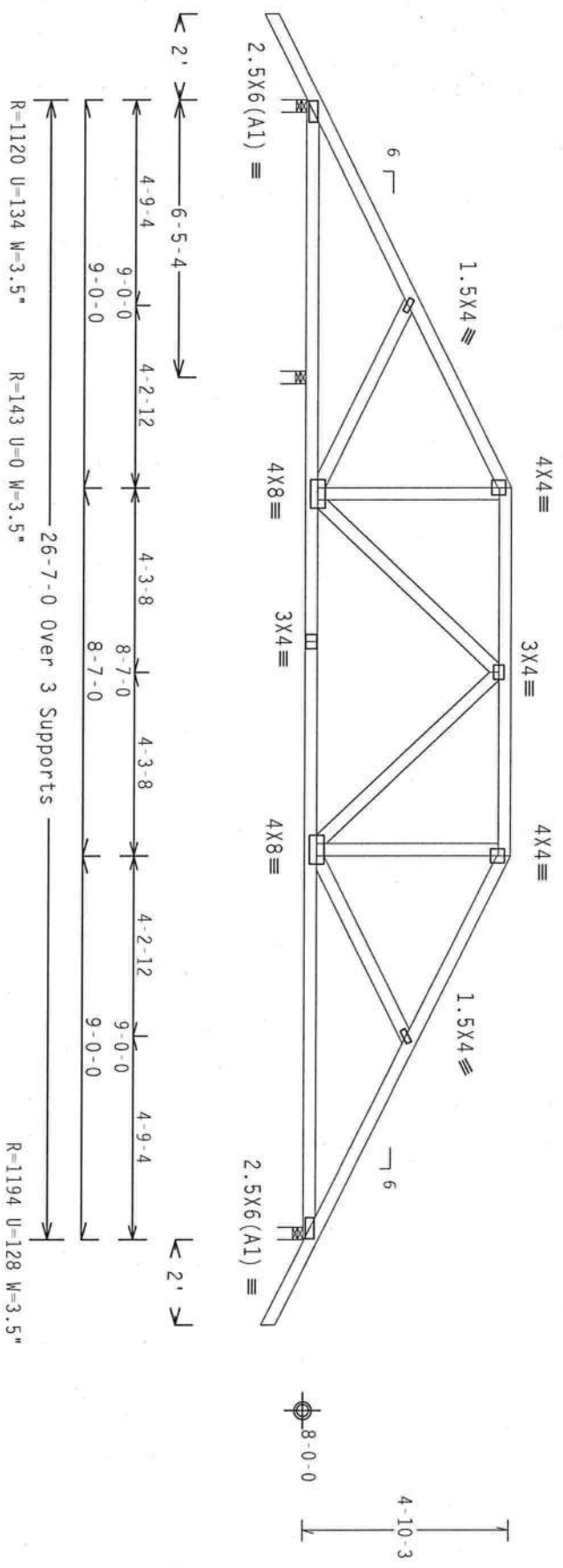
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{cpl}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-/3/-/E/R/-

Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

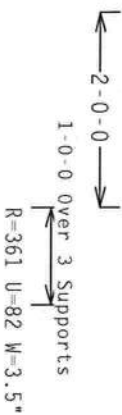
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TPI. ITW BCG CONNECTIONS ARE MADE OF 20/10/10GA (U/L/SS/3) ASH AREA GRADE 40/60 (U, R/H/SS) GALV. STEEL. APPLY TO ALL CONNECTIONS. ANY DEVIATION FROM THIS DESIGN, POSITION PER DRAWINGS 100-2, 100-3, 100-4, 100-5, 100-6, 100-7, 100-8, 100-9, 100-10, 100-11, 100-12, 100-13, 100-14, 100-15, 100-16, 100-17, 100-18, 100-19, 100-20, 100-21, 100-22, 100-23, 100-24, 100-25, 100-26, 100-27, 100-28, 100-29, 100-30, 100-31, 100-32, 100-33, 100-34, 100-35, 100-36, 100-37, 100-38, 100-39, 100-40, 100-41, 100-42, 100-43, 100-44, 100-45, 100-46, 100-47, 100-48, 100-49, 100-50, 100-51, 100-52, 100-53, 100-54, 100-55, 100-56, 100-57, 100-58, 100-59, 100-60, 100-61, 100-62, 100-63, 100-64, 100-65, 100-66, 100-67, 100-68, 100-69, 100-70, 100-71, 100-72, 100-73, 100-74, 100-75, 100-76, 100-77, 100-78, 100-79, 100-80, 100-81, 100-82, 100-83, 100-84, 100-85, 100-86, 100-87, 100-88, 100-89, 100-90, 100-91, 100-92, 100-93, 100-94, 100-95, 100-96, 100-97, 100-98, 100-99, 100-100, 100-101, 100-102, 100-103, 100-104, 100-105, 100-106, 100-107, 100-108, 100-109, 100-110, 100-111, 100-112, 100-113, 100-114, 100-115, 100-116, 100-117, 100-118, 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100-1006, 100-1007, 100-1008, 100-1009, 100-1010, 100-1011, 100-1012, 100-1013, 100-1014, 100-1015, 100-1016, 100-1017, 100-1018, 100-1019, 100-1020, 100-1021, 100-1022, 100-1023, 100-1024, 100-1025, 100-1026, 100-1027, 100-1028, 100-1029, 100-1030, 100-1031, 100-1032, 100-1033, 100-1034, 100-1035, 100-1036, 100-1037, 100-1038, 100-1039, 100-1040, 100-1041, 100-1042, 100-1043, 100-1044, 100-1045, 100-1046, 100-1047, 100-1048, 100-1049, 100-1050, 100-1051, 100-1052, 100-1053, 100-1054, 100-1055, 100-1056, 100-1057, 100-1058, 100-1059, 100-1060, 100-1061, 100-1062, 100-1063, 100-1064, 100-1065, 100-1066, 100-1067, 100-1068, 100-1069, 100-1070, 100-1071, 100-1072, 100-1073, 100-1074, 100-1075, 100-1076, 100-1077, 100-1078, 100-1079, 100-1080, 100-1081, 100-1082, 100-1083, 100-1084, 100-1085, 100-1086, 100-1087, 100-1088, 100-1089, 100-1090, 100-1091, 100-1092, 100-1093, 100-1094, 100-1095, 100-1096, 100-1097, 100-1098, 100-1099, 100-1100, 100-1101, 100-1102, 100-1103, 100-1104, 100-1105, 100-1106, 100-1107, 100-1108, 100-1109, 100-1110, 100-1111, 100-1112, 100-1113, 100-1114, 100-1115, 100-1116, 100-1117, 100-1118, 100-1119, 100-1120, 100-1121, 100-1122, 100-1123, 100-1124, 100-1125, 100-1126, 100-1127, 100-1128, 100-1129, 100-1130, 100-1131, 100-1132, 100-1133, 100-1134, 100-1135, 100-1136, 100-1137, 100-1138, 100-1139, 100-1140, 100-1141, 100-1142, 100-1143, 100-1144, 100-1145, 100-1146, 100-1147, 100-1148, 100-1149, 100-1150, 100-1151, 100-1152, 100-1153, 100-1154, 100-1155, 100-1156, 100-1157, 100-1158, 100-1159, 100-1160, 100-1161, 100-1162, 100-1163, 100-1164, 100-1165, 100-1166, 100-1167, 100-1168, 100-1169, 100-1170, 100-1171, 100-1172, 100-1173, 100-1174, 100-1175, 100-1176, 100-1177, 100-1178, 100-1179, 100-1180, 100-1181, 100-1182, 100-1183, 100-1184, 100-1185, 100-1186, 100-1187, 100-1188, 100-1189, 100-1190, 100-1191, 100-1192, 100-1193, 100-1194, 100-1195, 100-1196, 100-1197, 100-1198, 100-1199, 100-1200, 100-1201, 100-1202, 100-1203, 100-1204, 100-1205, 100-1206, 100-1207, 100-1208, 100-1209, 100-1210, 100-1211, 100-1212, 100-1213, 100-1214, 100-1215, 100-1216, 100-1217, 100-1218, 100-

(8-134-Fill in later BRYAN ZECHE - - , ** - CJI)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ gcpi (+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:10 FL/-/3/-/E/R/-

Scale = .5" / Ft.

****IMPORTANT**** HANSHI A COPY OF THIS DECISION TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TROUS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TROUSSES.

DESIGN COMPARTMENT WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. THE BCG AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (OR H/25/25) ASTM A563 GRADE 40/60 (4/16/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROUS AND THE OTHERS. LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TROUS COMPARTMENT DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPARTMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228- 33965
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136003
BC LL	0.0 PSF	HC-ENG	CC/DF
TOT.LD.	40.0 PSF	SEQN-	22686
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1THJ8228203

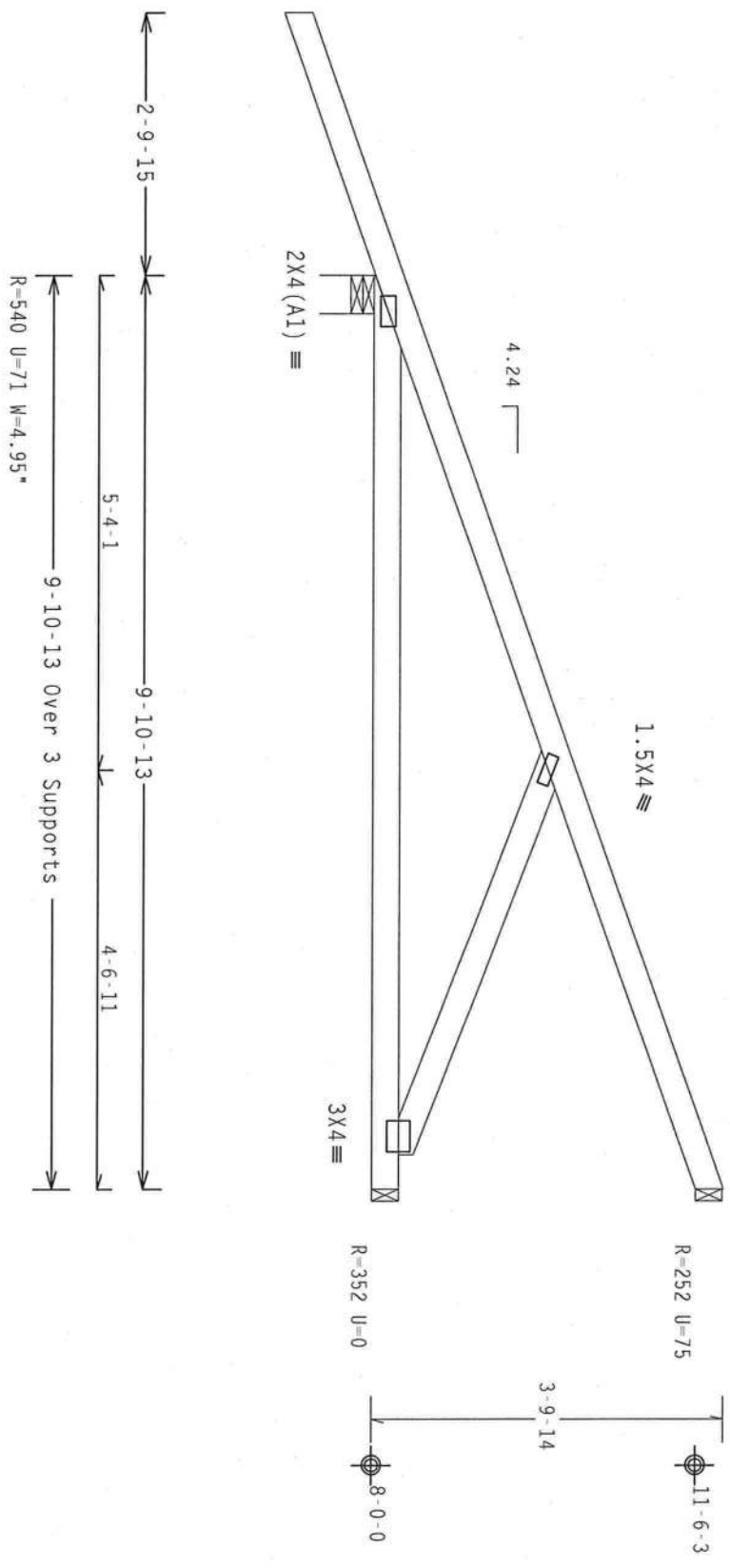
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7'-0" setback jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

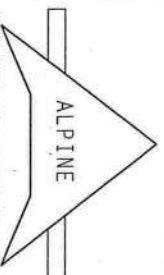
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.36.0424

QTY: 4

FL/-/3/-/E/R/-

Scale = .5" / ft.

 ALPINE NTW Building Components Group Inc. Haines City, FL 33844 FL Certificate of Authorization #0378		**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI). TPI BCG CONNECTIONS ARE MADE OF 20/10/10GA (8.1/25.7K) ASH K663 GRADE 40/60 (R, R/H/SS) GALV. STEEL. APPLY TYPICAL CONNECTIONS TO ALL TRUSSES. ALL TRUSSES SHALL BE PLACED ON OR DESIGN POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE CONSIDERED AS AN INSPECTION OF THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	
TC LL	20.0 PSF	REF	R8228- 33966
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136021
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	33018
DUR.FAC.	1.25	FROM	JP
SPACING	SEE ABOVE	UREF-	1THJ8228203

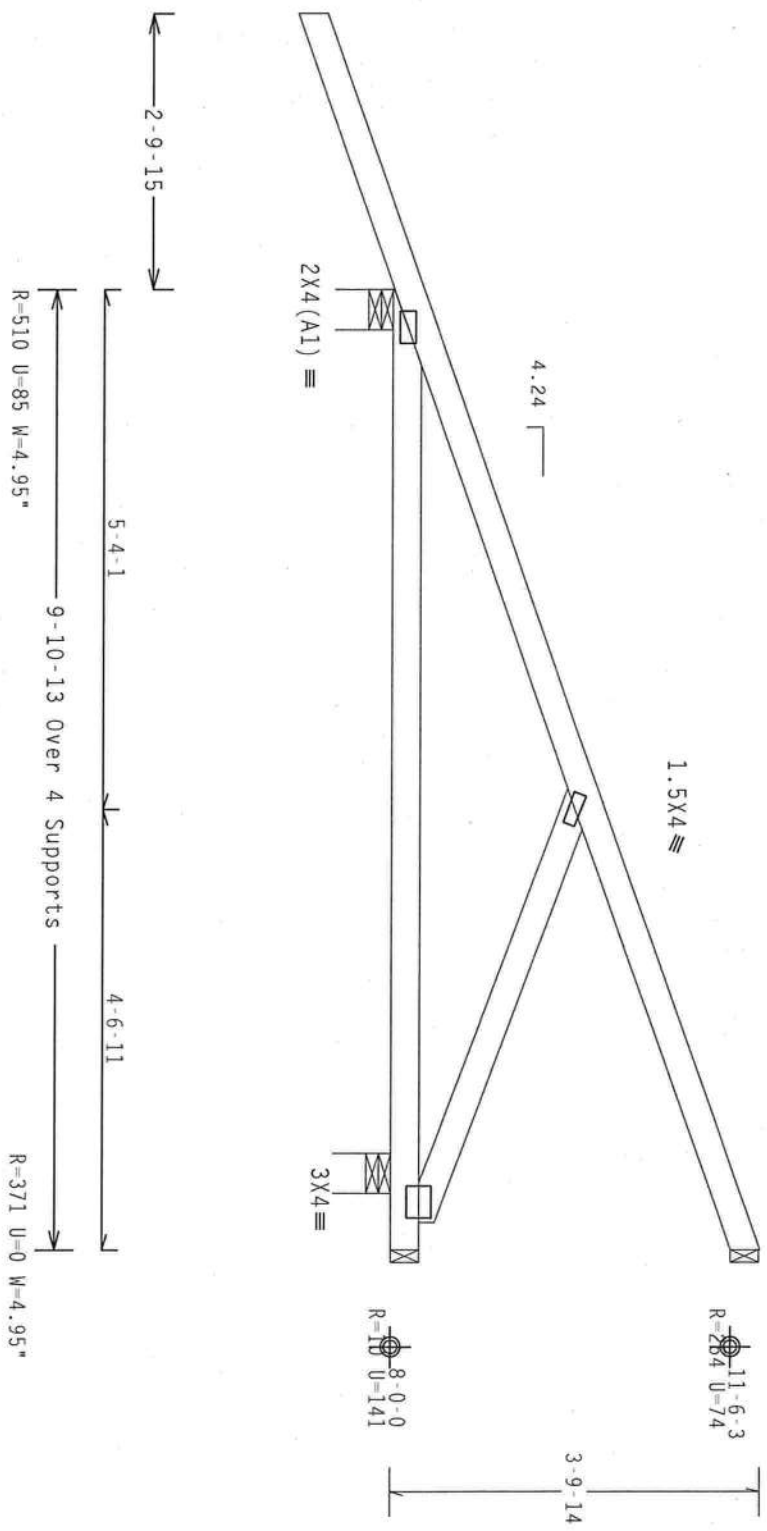
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7'-0" setback jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

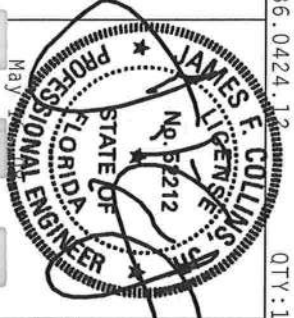
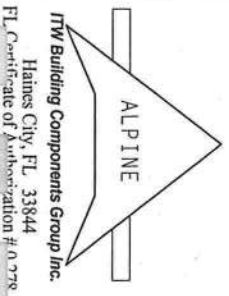
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1

Scale = .5" / ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS COMPANY, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) 1300 MARKET STREET, SUITE 1000, PITTSBURGH, PA 15222 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TPI BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOST NATIONAL DESIGN SPEC. BY AISC AND TPI. TPI BCS CONNECTION PLATES ARE MADE OF 20/10/10GA (6.4/3.5/3.5) ASPH 6003 GRADE 40/60 (40, R/40/55) GALV. STEEL. APPLY TO ALL TRUSSES UNLESS OTHERWISE INDICATED. THIS DESIGN, POSITION PER DRAWINGS 100A-2, 100B-2, 100C-2, 100D-2, 100E-2, 100F-2, 100G-2, 100H-2, 100I-2, 100J-2, 100K-2, 100L-2, 100M-2, 100N-2, 100O-2, 100P-2, 100Q-2, 100R-2, 100S-2, 100T-2, 100U-2, 100V-2, 100W-2, 100X-2, 100Y-2, 100Z-2. ANY INSPECTION OF PLATES MUST BE CONDUCTED BY A LICENSED PROFESSIONAL ENGINEER. THE TRUSS COMPONENT DESIGN SHOWN, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

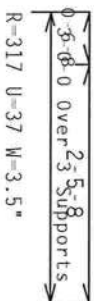


TC LL	20.0 PSF	REF	R8228- 33967
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136014
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEON-	33024
DUR. FAC.	1.25	FROM	JP
SPACING	SEE ABOVE	JREF-	1THJ8228203

המחברת מודה לפרופ' ד"ר יעקב גורן, מנהל מרכז המחקר והמחקר, על שיתוף הפעולה והסיוע.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAI II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00$ gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.



Scale = .5"/Ft.

****IMPORTANT****URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TROSS IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSSES.

4424
JAMES F. COLLINS
ENGINEER
STATE OF FLORIDA
Professional Engineer
No. 62242
May 16 '06
OTY:

REF	R8228- 33968
DATE	05/15/08
DRW	HCUSR8228 08136002
HC-ENG	EC/AP
SEQN-	27109
JREF-	1THJ8228Z03

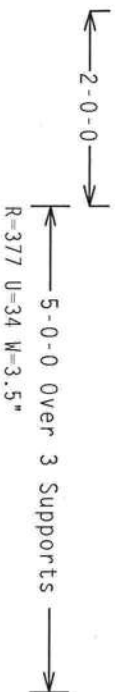
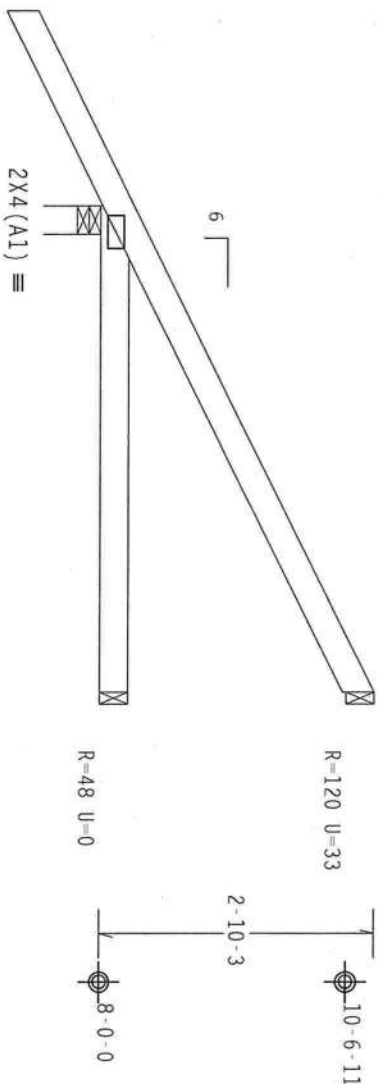
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

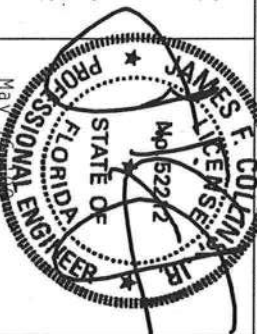
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10.0)

QTY: 9 FL/-/3/-/E/R/-

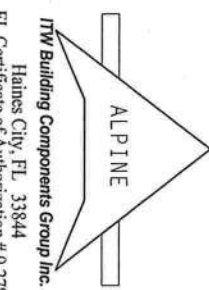
Scale = .5" / ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TP1 TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TP1. ITW BCG CONNECTION PLATES ARE MADE OF 20/10/100A (W/35%) ASH 4060 (N, R/W/55) GALV. STEEL. APPLY TO ALL TRUSSES. THIS DESIGN IS BASED ON THE ASSUMPTION THAT THE TRUSS IS TO BE USED IN ACCORDANCE WITH THE DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



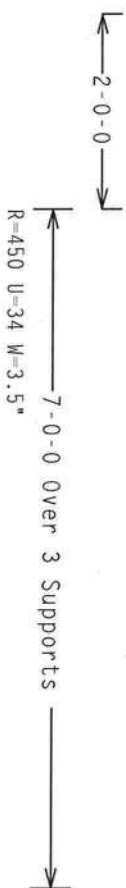
TC LL	20.0 PSF	REF	R8228- 33969
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136001
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	32993
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228203



FL Certificate of Authorization #0378

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 gcpi(+/-)-0.18

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



Scale = .5" / Ft.

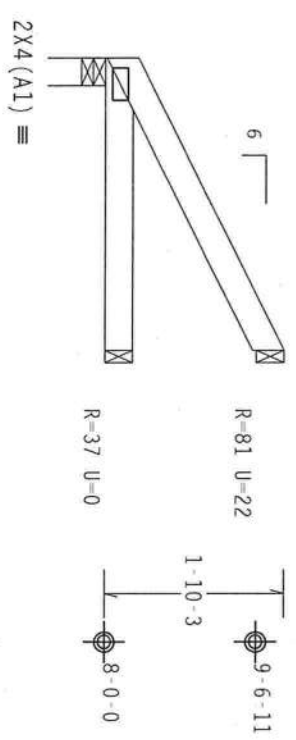
****IMPORTANT****URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT110 OF FABRICATING, HANDLING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

TC LL	20.0 PSF	REF R8228- 33970
TC DL	10.0 PSF	DATE 05/15/08
BC DL	10.0 PSF	DRW HCUSR8228 08136004
BC LL	0.0 PSF	HC-ENG CC/AP *
TOT.LD.	40.0 PSF	SEQN- 22699
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1THJ8228203

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, closed bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI (+/-)-0.18

Wind reactions based on MMFRS pressures.



3-0-0 Over 3 Supports
R=130 U=0 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

$$Cq/RT=1.00(1.25)/10(0)$$
$$\begin{array}{r} 7.36.0424 \\ \hline \end{array}$$

QTY:1	FL/-/3/-/E/R/-
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Scale = .5" / Ft.

ALPINE

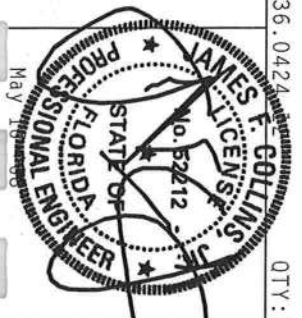
ITW Building Components Group Inc.

Haines City, FL 33844
FL Certificate of Authorization # 0278

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, INSTALLATION, SHIPPING, INSTALLATION AND BRACING. REFER TO DESIG. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 5 EAST Wacker Drive, CHICAGO, IL 60601. EXTERIOR PIER LABEL, A403109, (A 5373) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** OBTAIN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE DESIG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, INSTALLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN COMPENS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) DESIGN COMPENS ARE MADE OF 2018/18/1664 (A403109) ASTM A563 GRADE 40/60 (U, K/H/S5) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONING PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC OR TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

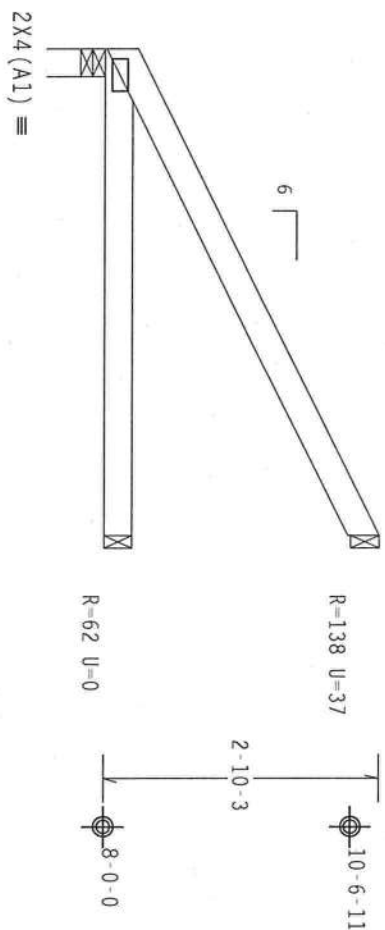


TC LL	20.0 PSF	REF	R8228- 33971
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCUSR8228 08136006
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	33003
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1THJ8228Z03

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ $g_{cpl}(+/-)=0.18$
Wind reactions based on MMFRS pressures.



5'-0-0 Over 3 Supports
R=212 U=2 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10.0)

7.36.042

QTY: 1 FL/-/3/-/E/R/-

Scale = .5"/ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0378

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PN) AND TPI. ITW BCG TRUSSES ARE MADE OF 20/10/100A (E-11/35/55) ASTM A995 GRADE 40/60 CH. R/H/55) GALV. STEEL. APPLY PLATES TO EACH CHORD END. TRUSSES SHALL BE PERMANENTLY MARKED WITH THE ITW BCG DESIGNATION. ANY INSPECTION OF PLATES FOLLOWED BY (1) TPI, (2) WCA, (3) NDS, (4) RESI, (5) AIA/PN, (6) AIA/PN, (7) AIA/PN, (8) AIA/PN, (9) AIA/PN, (10) AIA/PN, (11) AIA/PN, (12) AIA/PN, (13) AIA/PN, (14) AIA/PN, (15) AIA/PN, (16) AIA/PN, (17) AIA/PN, (18) AIA/PN, (19) AIA/PN, (20) AIA/PN, (21) AIA/PN, (22) AIA/PN, (23) AIA/PN, (24) AIA/PN, (25) AIA/PN, (26) AIA/PN, (27) AIA/PN, (28) AIA/PN, (29) AIA/PN, (30) AIA/PN, (31) AIA/PN, (32) AIA/PN, (33) AIA/PN, (34) AIA/PN, (35) AIA/PN, (36) AIA/PN, (37) AIA/PN, (38) AIA/PN, (39) AIA/PN, (40) AIA/PN, (41) AIA/PN, (42) AIA/PN, (43) AIA/PN, (44) AIA/PN, (45) AIA/PN, (46) AIA/PN, (47) AIA/PN, (48) AIA/PN, (49) AIA/PN, (50) AIA/PN, (51) AIA/PN, (52) AIA/PN, (53) AIA/PN, (54) AIA/PN, (55) AIA/PN, (56) AIA/PN, (57) AIA/PN, (58) AIA/PN, (59) AIA/PN, (60) AIA/PN, (61) AIA/PN, (62) AIA/PN, (63) AIA/PN, (64) AIA/PN, (65) AIA/PN, (66) AIA/PN, (67) AIA/PN, (68) AIA/PN, (69) AIA/PN, (70) AIA/PN, (71) AIA/PN, (72) AIA/PN, (73) AIA/PN, (74) AIA/PN, (75) AIA/PN, (76) 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THE UNIVERSITY OF CHICAGO PRESS

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18


Wind reactions based on MWFRS pressures.


$$Cq/RT=1.00(1.25)/10(0)$$

QTY:1

Scale = .5" / Ft.

JAMES L. COLLINS, JR.
LICENSE
No. 52272



ALPINE

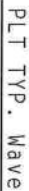
May 16 08

JREF - 1THJ8228Z03

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00

TC	From	62 PLF at 0.00 to 62 PLF at 7.00	PLATE DUR, FAC = 1.25
BC	From	20 PLF at 0.00 to 20 PLF at 7.00 <td>LMBER DUR, FAC = 1.25</td>	LMBER DUR, FAC = 1.25
BC	836 LB Conc. Load at 1.06, 3.06, 5.06		

Right end vertical not exposed to wind pressure.
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



QTY:1

FL/-/3/-/E/R/-/

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228 - 33974
TC DL	10.0 PSF	DATE	05/15/08

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



May 16 08

TC LL	20.0 PSF	REF	R8228- 33974
TC DL	10.0 PSF	DATE	05/15/08
BC DL	10.0 PSF	DRW	HCU8R8228 08136007
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	33109
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1TH8R228203

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

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

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

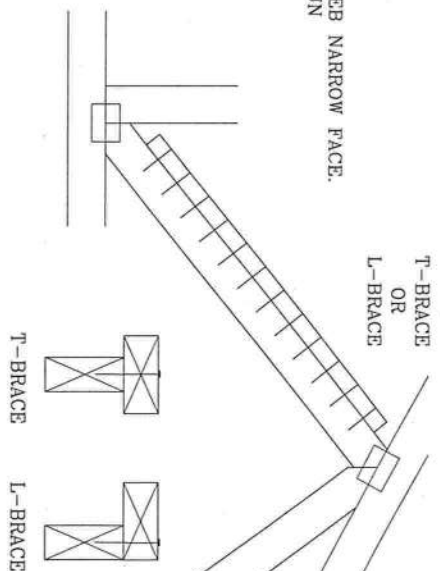
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE SCAB BRACE
2X3 OR 2X4	1 ROW	2X4 1-2X4
2X3 OR 2X4	2 ROWS	2X6 2-2X4
2X6	1 ROW	2X4 1-2X6
2X6	2 ROWS	2X6 2-2X4(*)
2X8	1 ROW	2X6 1-2X8
2X8	2 ROWS	2X6 2-2X6(*)

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

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

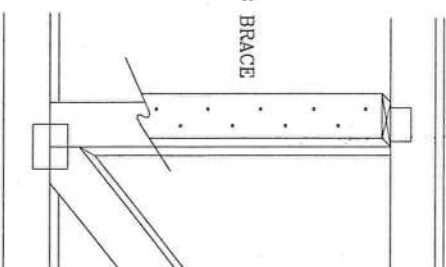
T-BRACING OR L-BRACING:

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



SCAB BRACING:

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



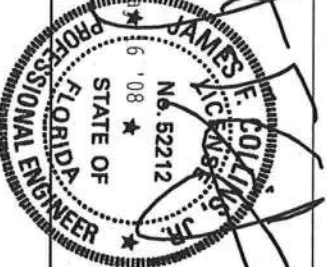
THIS DRAWING REPLACES DRAWING 579,640

ALPINE

TRUSS BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE ST., SUITE 312, ALEXANDRIA, VA 22314 AND WCA CADD TRUSS COUNCIL OF FLORIDA, 6500 ENTERPRISE LANE, AUSTIN, TX 78719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALL TRUSSES MUST BE PROPERLY ATTACHED TO RIGID STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. TPI DESIGN CONDUCTS THE APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI TRUSS BUILDING COMPONENTS GROUP, INC. 2007) AND THE 2006 IBC (INTERNATIONAL BUILDING CODES) AND ALL APPLICABLE CODES. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED, THE DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AIA/TP 1 SEC. 2.



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

Notice of Treatment

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

Address: 536 SE BAY AVE

City LAKE CITY

Phone 752-1703

Site Location: Subdivision Magnolia Hills

Lot # 25

Block # 1

Permit # 27083

Address 165 NW Billie Place

Product used

Active Ingredient

% Concentration

- | | | |
|---|----------------------------------|-------|
| <input checked="" type="checkbox"/> Premise | Imidacloprid | 0.1% |
| <input type="checkbox"/> Termidor | Fipronil | 0.12% |
| <input type="checkbox"/> Bora-Care | Disodium Octaborate Tetrahydrate | 23.0% |

Type treatment:

☒ Soil

☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>Dwelling</u>	<u>1613</u>	<u>185</u>	<u>118</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

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

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

9-8-08

Date

1000

Time

JAMES D PACKER

Print Technician's Name

#254 "Gunny"

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

FEEs:

ROAD IMPACT FEE \$1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE \$27.88
10300003632210

FIRE PROTECTION IMPACT FEE \$78.63
10200003632220

CORRECTIONS IMPACT FEE \$409.16
00100003632200

SCHOOL IMPACT FEE \$1,500.00
00100003632900

TOTAL FEES CHARGED \$3,063.67 CHECK NUMBER 2281