DATE 03/02/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025588

APPLICANT BRENDA HAYGOOD PHONE 397-0600

ADDRESS 1259 S US HIGHWAY 441 LAKE CITY FL 32025

OWNER KEN & LINDA GARTIN PHONE 386 965-4258

ADDRESS 196 SW BLUE JAY DRIVE FT. WHITE FL 3208

CONTRACTOR HAYGOOD HOMES PHONE 386 303-1981

LOCATION OF PROPERTY 47S, TL ON 27, TL ON BLUE JAY DRIVE, 1ST HOUSE ON LEFT

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 12500.00

HEATED FLOOR AREA 250.00 TOTAL AREA 250.00 HEIGHT ___ STORIES ___

FOUNDATION ___ WALLS ___ ROOF PITCH ___ FLOOR ___

LAND USE & ZONING FT WHITE MAX. HEIGHT ___

Minimum Set Back Requirments: STREET-FRONT ___ REAR ___ SIDE ___

NO. EX.D.U. ___ FLOOD ZONE FW DEVELOPMENT PERMIT NO. ___

PARCEL ID 03-7S-16-04060-113 SUBDIVISION FT. WHITE PARK

LOT 13 BLOCK ___ PHASE ___ UNIT 0 TOTAL ACRES ___

		CRC1326715	Brenda Haygood	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	07-109-MD	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FT. WHITE LETTER RECEIVED, NOC ON FILE

Check # or Cash 2910

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ___ date/app. by

Foundation ___ date/app. by

Monolithic ___ date/app. by

Under slab rough-in plumbing ___ date/app. by

Slab ___ date/app. by

Sheathing/Nailing ___ date/app. by

Framing ___ date/app. by

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

Electrical rough-in ___ date/app. by

Heat & Air Duct ___ date/app. by

Peri. beam (Lintel) ___ date/app. by

Permanent power ___ date/app. by

C.O. Final ___ date/app. by

Culvert ___ date/app. by

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

Pool ___ date/app. by

Reconnection ___ date/app. by

Pump pole ___ date/app. by

Utility Pole ___ date/app. by

M/H Pole ___ date/app. by

Travel Trailer ___ date/app. by

Re-roof ___ date/app. by

BUILDING PERMIT FEE $ 65.00 CERTIFICATION FEE $ 1.25 SURCHARGE FEE $ 1.25

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

FLOOD DEVELOPMENT FEE $ ___ FLOOD ZONE FEE $ ___ CULVERT FEE $ ___ **TOTAL FEE** 67.50

INSPECTORS OFFICE ___ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0702-54 Date Received 2/20/07 By LH Permit # 25588

Application Approved by - Zoning Official _____ Date _____ Plans Examiner OKTH Date 2-23-07

Flood Zone X Development Permit _____ Zoning _____ Land Use Plan Map Category _____

Comments ~~Requires Zoning Completion Letter from the Town of Ft. White 2.22.07~~

Applicants Name John Sherman Phone 386-397-0600

Address 12592 S. US Hwy 441 L.C. 32025

Owners Name Ken and Linda Gartin Phone 386-965-4258

911 Address 196 SW Blue Jay Ft. White 32038

Contractors Name Haygood Homes, Inc Phone 386-303-1981

Address 12592 S. US Hwy 441 LC 32025

Fee Simple Owner Name & Address owner finance

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Pat Haygood Marty Humphries

Mortgage Lenders Name & Address owner finance

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 34-7S-16-04060-113 Estimated Cost of Construction 32,000.

Subdivision Name Ft White Park Lot 13 Block N/A Unit ____ Phase ____

Driving Directions Hwy 47 South, TL on US 27, TL on SW Blue Jay
1st house on left (196 SW Blue Jay)

Type of Construction room addition - Number of Existing Dwellings on Property 1

Total Acreage .50 Lot Size .50 ac Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 110 ft Side R 25' Side L 22' Rear 75'

Total Building Height 13' 7" Number of Stories 1 Heated Floor Area 250 TOTAL 250 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.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CRC1326715

Competency Card Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Donna S. Hinger MY COMMISSION # DD181369 EXPIRES March 31, 2008 Bonded Thru Troy Fain-Insurance

Sworn to (or affirmed) and subscribed before me this 14th day of February 2007.

Personally known ✓ or Produced Identification _____

Notary Signature Donna S. Hinger 3.1.07

TOWN OF FORT WHITE

Home of the Ichetucknee River

Post Office Box 129 Fort White, FL 32038
Email: townofftwhite@alltel.net Web: townoffortwhitefl.com
Tel: (386) 497-2321/(386) 497-3345 Fax: (386) 497-4946
Office Hours: Monday through Friday 9:00 a.m. to 1:00 p.m

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Gartin, Ken & Linda

ADDRESS: 196 SW Blue Jay Ct. Fort White, FL 32038

PROPERTY DESCRIPTION: Lot #13 parcel #4060-113
w/ parcel number

DEVELOPMENT: Room addition to existing single family dwelling

You are hereby authorized to issue the appropriate permits

3/01/07
DATE

Janice E. Revels (ka)
LDR ADMINISTRATOR
Town of Fort White

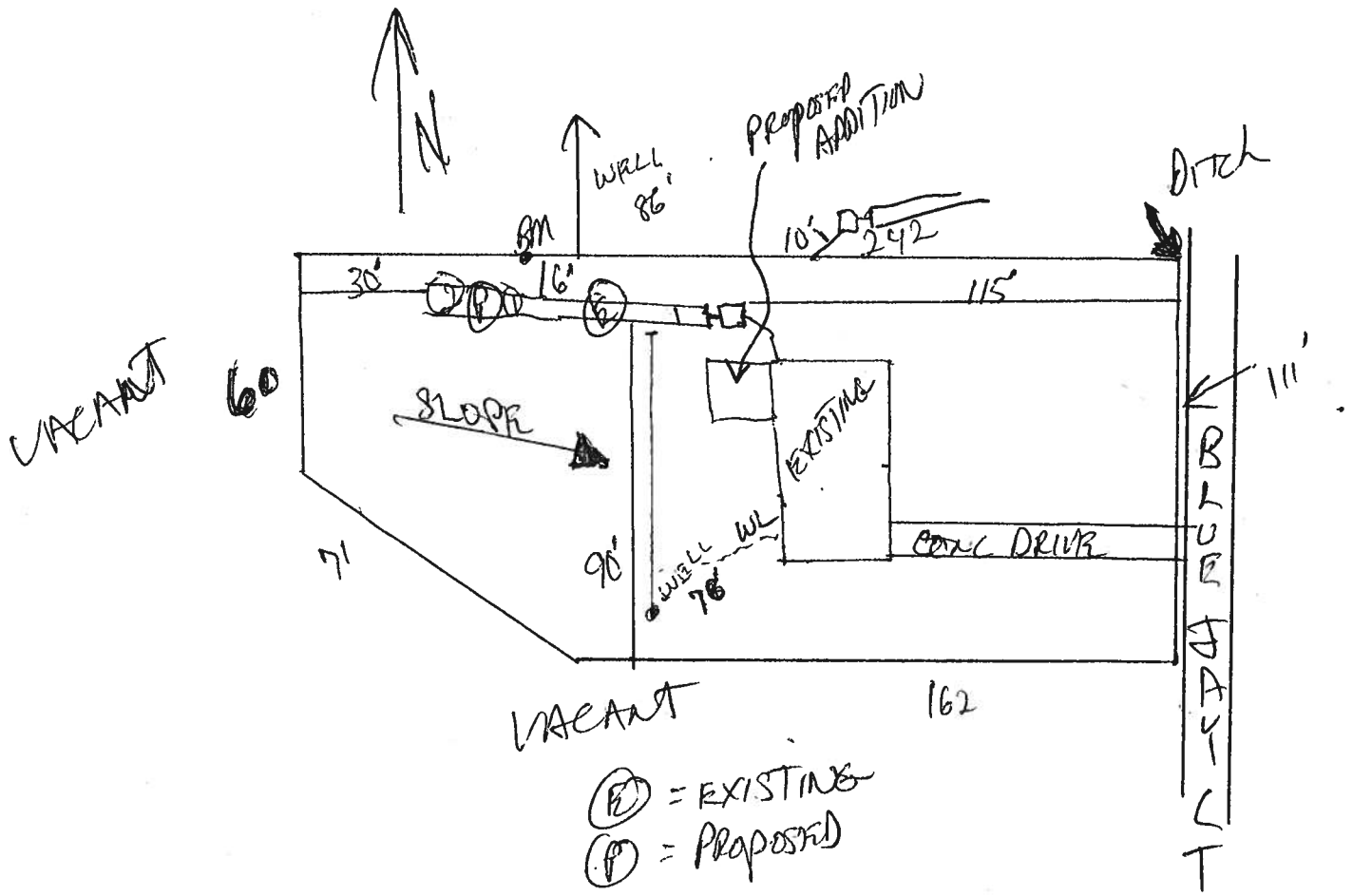
Mayor	*District 1*	*District 2*	*District 3*	*District 4*
Truett George	Donald Cook	Henry Maini	Warren Barnes	Demetric Jackson
497-4741	497-1086	497-2992	497-3112	497-2078

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

Permit Application Number 07-00109MF

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

Scale: 1 inch = 50 feet.



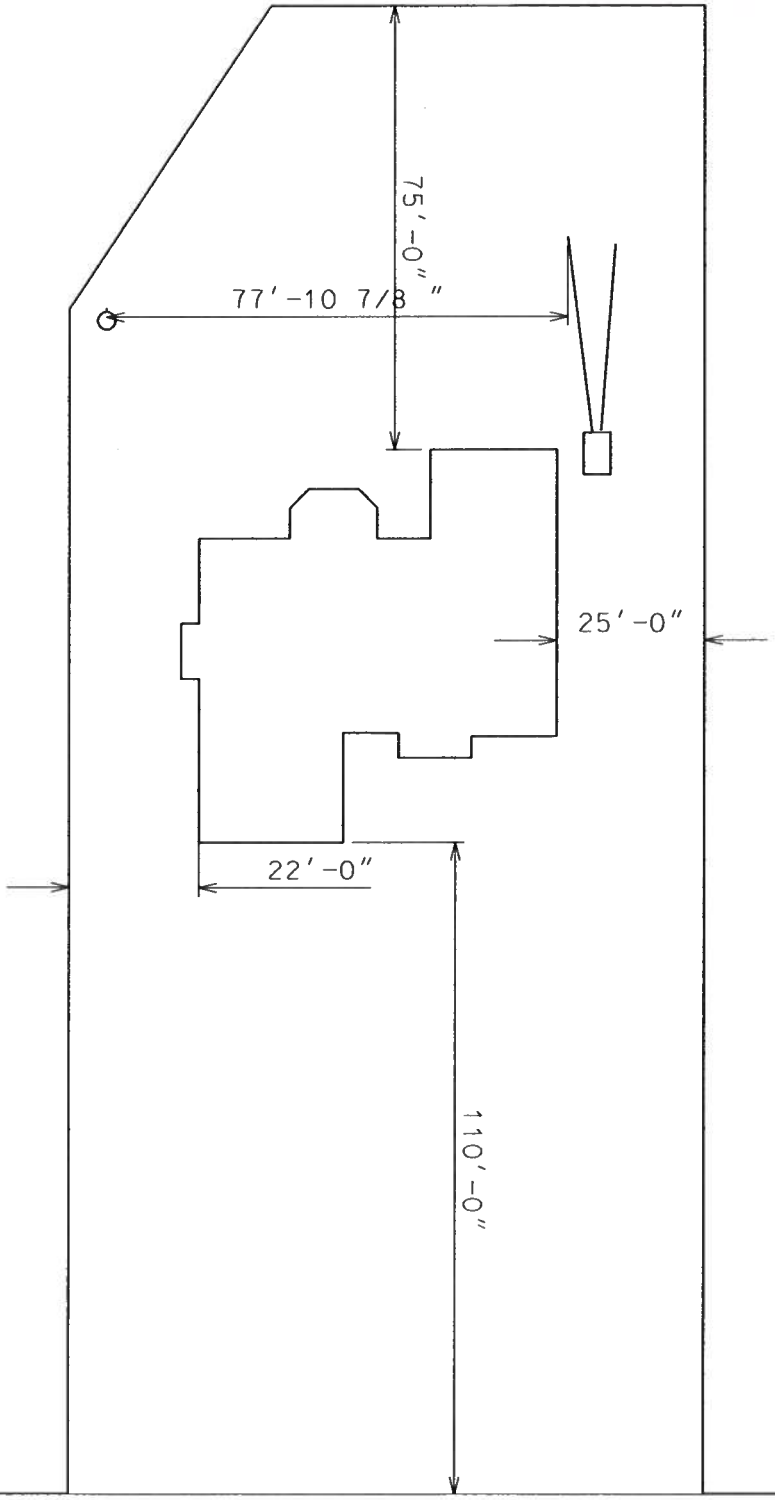
Notes: _____

Site Plan submitted by: Rock D 7-0 MASTER CONTRACTOR

Plan Approved ✓ Not Approved ____ Date 2/9/07

By Mark S Zander Cod. County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



Ken & Linda Gartin
196 SW Blue Jay
Fort White Fl 32038

BLUE JAY LN.

(2) 1850 1036.00

Prepared by
Charlotte Dixon, an employee of
First American Title Insurance Company
2632 Northwest 43rd Street, Building C
Gainesville, Florida 32606
(352) 336-0440

Return to: Grantee

File No.: 1094-606927

Inst:2004023830 Date:10/22/2004 Time:12:27
Doc Stamp-Deed : 1036.00
DC,P.DeWitt Cason,Columbia County B:1028 P:2611

WARRANTY DEED

This indenture made on **October** 19, **2004** A.D., by

Hugo Escalante, also known as Hugo Escalante, Sr.

whose address is: **10250 SW 224th Terrace, Miami, FL 33190**
hereinafter called the "grantor", to

Kenneth O. Gartin and Linda L. Gartin, husband and wife

whose address is: **196 SW BLUE JAY DR, Ft. White, FL 32038**
hereinafter called the "grantee":

(Which terms "Grantor" and "Grantee" shall include singular or plural, corporation or individual, and either sex, and shall include heirs, legal representatives, successors and assigns of the same)

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

Lot 13, Fort White Park, according to the plat thereof as recorded in Plat Book 6, page 3 of the Public Records of Columbia County, Florida.

SUBJECT PROPERTY IS NOT THE HOMESTEAD OF GRANTOR.

Parcel Identification Number: **03-7S-16-04060-113**

Subject to all reservations, covenants, conditions, restrictions and easements of record and to all applicable zoning ordinances and/or restrictions imposed by governmental authorities, if any.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in any way 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 31st of 2003.

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

Hugo Escalante
a/k/a Hugo Escalante, Sr.

Signed, sealed and delivered in our presence:

Witness Signature

Print Name: Rose M. Glean

Witness Signature

Print Name: Aaron Vazquez

State of **Florida**

County of Miami-Dade

The Foregoing Instrument Was Acknowledged before me on **October** 19, **2004**, by **Hugo Escalante, a/k/a Hugo Escalante, Sr.,** who is/are personally known to me or who has/have produced a valid driver's license as identification.

NOTARY PUBLIC

Rose M. Glean
Notary Print Name

My Commission Expires: 01-15-07

ROSE M. GLEAN
Notary Public, State of Florida
My Commission #DD 177968
Expires January 15, 2007

Inst:2004023830 Date:10/22/2004 Time:12:27
Doc Stamp-Deed : 1036.00
DC,P.DeWitt Cason,Columbia County B:1028 P:2612

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

2007 Proposed Values

Parcel: 03-7S-16-04060-113 HX

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	GARTIN KENNETH O &		
Site Address	BLUE JAY		
Mailing Address	LINDA L GARTIN 196 SW BLUE JAY CT FT WHITE, FL 32038		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	16.00	**Tax District**	4
UD Codes	MKTA02	**Market Area**	02
Total Land Area	0.500 ACRES		
Description	LOT 13 FORT WHITE PARK. ORB 727-649, WD 1002-971. WD-1028-2611		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$17,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$105,912.00
XFOB Value	cnt: (1)	$3,340.00
Total Appraised Value		$126,252.00

Just Value		$126,252.00
Class Value		$0.00
Assessed Value		$119,144.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		$94,144.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
10/19/2004	1028/2611	WD	I	Q		$148,000.00
12/12/2003	1002/971	WD	V	Q		$9,500.00
7/27/1990	727/649	WD	V	U	35	$12,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2004	Above Avg. (10)	1469	2169	$105,912.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2004	$3,340.00	1670.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	$17,000.00	$17,000.00

Columbia County Property Appraiser DB Last Updated: 2/5/2007

1 of 1

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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.

Tax Parcel ID Number 03-7S-~~34-6S~~-16-04060-113

1. Description of property: (legal description of the property and street address or 911 address)
Lot 13 Ft White Park Orb 727-649, WD 1002-971, WD-1028-2611

2. General description of improvement: room addition

3. Owner Name & Address Ken and Linda Gartin
196 SW Blue Jay Ft. White 32038 Interest in Property owner

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name Haygood Homes, Inc Phone Number 386-752-3496
Address 12592 S. US. Hwy 441 LCFL 32025 Cell 303-1981

6. Surety Holders Name na Phone Number
Address
Amount of Bond

7. Lender Name Owner finance D.T.
Address

Inst:2007004082 Date:02/20/2007 Time:10:23
DC,P.DeWitt Cason,Columbia County B:1111 P:666

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Phone Number
Address

9. In addition to himself/herself the owner designates of to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Linda Gartin
Signature of Owner

Sworn to (or affirmed) and subscribed before day of Feb 20, 2007

NOTARY STAMP/SEAL

Janice E. Revels
Commission #DD187524
Expires: Mar 27, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

Janice Revels
Signature of Notary

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600B-04 — **Residential Component Prescriptive Method B** — NORTH 1 2 3

Compliance with Method B of Subchapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single-and multiple-family residences of three stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptives listed in this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the code.

PROJECT NAME: AND ADDRESS:	Gartin	BUILDER: Haygood Homes, Inc	
		PERMITTING OFFICE:	CLIMATE ZONE: 1 ☐ 2 ☐ 3 ☑
OWNER: Ken Gartin		PERMIT NO.:	JURISDICTION NO.: 221000

1. New construction including additions which incorporate any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other nonvertical roof glass.
2. Choose one of the component packages "A" through "E" from Table 6B-1 by which you intend to comply with the code. Circle the column of the package you have choosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on "Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages," Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-E)	1. B	
2. New construction or addition	2. addition	
3. Single-family detached or multiple-family attached	3. Single	
4. If multiple-family–No. of units covered by this submission	4. NA	
5. Is this a worst case? (yes/no)	5. yes	
6. Conditioned floor area (sq. ft.)	6. 250	
7. Predominant eave overhang (ft.)	7. 1'4"	
	Single Pane / Double Pane	
8. Glass type and area:		
a. Clear glass	8a. ____ sq. ft. / 30 sq. ft.	
b. Tint, film or solar screen	8b. ____ sq. ft. / ____ sq. ft.	
9. Percentage of glass to floor area	9. 12 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (*R*-value)	10a R = 0 / 46.5 lin. ft.	
b. Wood, raised (*R*-value)	10b. R = ____ / ____ sq. ft.	
c. Wood, common (*R*-value)	10c. R = ____ / ____ sq. ft.	
d. Concrete, raised (*R*-value)	10d. R = ____ / ____ sq. ft.	
e. Concrete, common (*R*-value)	10e. R = ____ / ____ sq. Ft.	
11. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R = ____ / ____ sq. ft.	
2. Wood frame (Insulation *R*-value)	11a-2 R = 13 / 253 sq. ft.	
b. Adjacent: 1. Masonry (Insulation *R*-value)	11b-1 R = ____ / ____ sq. ft.	
2. Wood frame (Insulation *R*-value)	11b-2 R = ____ / ____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation *R*-value)	12a. R = 30 / 250 sq. ft.	
b. Single assembly (Insulation *R*-value)	12b. R = ____ / ____ sq. ft.	
13. Air distribution system: Duct insulation, location	13. R = 6 / ____	
Test report (attach if required)		
14. Cooling system:	14a. Type: Central	
(Types: central, room unit, package terminal A.C., gas, none)	14b. SEER/EER: 13	
	14c. Capacity: 1 Ton	
15. Heating system:	15a. Type: Heat Pump	
(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)	15b. HSPF/COP/AFUE: NA	
16. Hot water system:	15c. Capacity: ____	
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)	16a. Type: ____	
	16b. EF: NA	

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

PREPARED BY: Brenda Haygood DATE: 2-18-07

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

OWNER AGENT: [signature] DATE: 2-18-07

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

BUILDING OFFICIAL: ____

DATE: ____

TABLE 6B-1 — MINIMUM REQUIREMENTS — Climate Zones 1 2 3

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED
		A	B	C	D	E	
GLASS	Max. % of Glass to Floor Area	15%	15%	20%	20%	25%	15 %
GLASS	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)	DC: ☐ DT: ☐
GLASS	Overhang	1'4"	2'	2'	2'	2'	1'4" FEET
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					EXT: R = ADJ: R = COM: R =
WALLS	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD-FRAME WALLS R-11					EXT: R = 13 ADJ: R = COM: R =
CEILINGS		R-30	R-30	R-30	R-30	R-30	UNDER ATTIC: R= 30 COMMON: R:
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					R = 0
FLOORS	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R =
FLOORS	Raised Concrete	R-7					R =
DUCTS		R-6	R-6	R-6, TESTED	R-6	R-6, TESTED	R = 6 COND. ☐
SPACE COOLING (SEER)		12.0	10.5	12.0	11.0	12.0	SEER =
HEAT	Elect. (HSPF)	7.9	7.1	7.4	7.4	7.4	HSPF =
HEAT	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					AFUE =
HOT WATER SYSTEM	Electric Resistance**	EF .92	NOT ALLOWED (SEE BELOW)	EF .92	NOT ALLOWED (SEE BELOW)	EF .92	EF = NA
HOT WATER SYSTEM	Gas & Oil**	MINIMUM EF OF .59				NATURAL GAS ONLY (SEE BELOW)	EF =
HOT WATER SYSTEM	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF = HRU: ☐ SOLAR: ☐ EF =

* Single package units minimum SEER=9.7, HSPF = 6.6.
** Minimum efficiencies for gas and electric hot water systems apply to 40 gallon water heaters. Refer to Table 612.1 ABC.3.2 for minimum code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multistory house.

Wall, Ceiling and Floor Insulation Values: The *R*-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The *R*-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multiple-family building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a state-approved tester.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTACs equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of Section 608.1.ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed," an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options." See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having and EF of .92 or greater, or natural gas systems with EF .59 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	✓
Multistory Houses	606.1	Air barrier on perimeter of floor cavity between floors.	NA
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	NA
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 for vertical pipe risers.	NA
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	NA
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	NA
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	NA
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

TAMKO
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049

Architectural Testing

AAMA/WDMA 101/I.S. 2-97
TEST REPORT

Rendered to:

JORDAN COMPANIES

SERIES/MODEL: 8500
TYPE: PVC Single Hung Window

Title of Test	Results
AAMA/WDMA Rating	H-R40 (44 x 84)
Uniform Load Deflection Test Pressure	± 40.0 psf
Operating Force	10 lbs max.
Air Infiltration	0.21 cfm/ft^2
Water Resistance Test Pressure	6.00 psf
Uniform Load Structural Test Pressure	± 60.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.636.3835
fax: 652.636.3843
www.architest.com

Architectural Testing

AAMA/WDMA 101/I.S.2-97 TEST REPORT

Rendered to:

JORDAN COMPANIES
P.O. Box 18377
Memphis, Tennessee 38118

Report No:	02-48976.02
Test Date:	02/25/04
Report Date:	02/26/04
Expiration Date:	02/25/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to perform tests on a Jordan Companies Series 8500 Single Hung Window. The sample tested successfully met the performance requirements for a H-R40 44 x 84 rating. Test specimen description and results are reported herein.

Test Procedure: The test specimen was evaluated in accordance with AAMA/NWDMA 101/I.S. 2-97, *"Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors."*

Test Specimen Description:

Series/Model: 8500

Type: PVC Single Hung Window

Overall Size: 3' 8" wide by 7' 0" high

Sash Size: 3' 4-3/8" wide by 2' 5" high

Fixed D.L.O. Size: 3' 4-3/4" wide by 4' 5" high

Screen Size: 3' 4-3/4" wide by 2' 4-1/4" high

Finish: All PVC was white

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.636.3835
fax: 652.636.3843
www.architest.com

Test Specimen Description: (Continued)

Glazing Type: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets in the operating sash and two double-strength sheets in the fixed lite and a desiccant-filled metal spacer system. The glass for the fixed area was set from the interior into a bed of silicone sealant with PVC stops used on the interior. The sash was glazed from the exterior into a bed of silicone sealant with PVC stops used on the exterior.

Weatherstripping:

Description	Quantity	Location
0.260" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.260" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum reinforcement was utilized in the fixed meeting rail (Jordan part number H-2447).

Sash Construction: Sash corners were miter-cut and welded. Aluminum reinforcement was utilized in the top rail (Jordan part number H-2448).

Hardware:

Metal cam locks with keepers	2	6" from ends and meeting rail
Plastic tilt latches	2	Sash top rail corners
Metal tilt pins	2	Sash bottom rail corners
Block-and-tackle balances	2	One per jamb

Drainage:

3/16" by 5/8" slots	2	1-3/4" from ends in sill pocket to hollow below
1/8" by 1/2" slots	4	1-3/4" and 2" from each end through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 8" wood test buck secured through the flange with 1-5/8" screws spaced 4" from corners and 8" on center. The nail fin was sealed to the buck with silicone.

Test Results: The results are tabulated as follows.

Paragraph	Title of Test	Results	Allowed
2.2.1.6.1	Operating Force		
	Force to initiate motion	10 lbs	30 lbs max.
	Force to keep in motion	8 lbs	30 lbs max.
2.1.2	Air Infiltration per ASTM E 283-97 (See Note #1)		
	@ 1.57 psf (25 mph)	0.21 cfm/ft^2	0.30 cfm/ft^2

Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S.2-97 for air infiltration.

2.1.3	Water Resistance per ASTM 547-97 (See Note #2)		
2.1.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #2)		
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (See Note #2)		

Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."

2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction @ 70 lbs		
	Top rail	0.04"/ 8%	0.500"/100%
	Bottom rail	0.06"/12%	0.500"/100%
	In remaining direction @ 50 lbs		
	Left stile	0.04"/8%	0.500"/100%
	Right stile	0.03"/6%	0.500"/100%
2.1.7	Corner Weld Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type A		
	Grade 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Test Results: (Continued)

Paragraph	Title of Test	Results	Allowed
Optional Performance:			
4.3	Water Resistance per ASTM E 547-97 WTP = 6.00 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken on the meeting rail) (Loads were held for 60 seconds)		
	@ 40.0 psf (positive)	0.45"	(See Note #3)
	@ 40.0 psf (negative)	0.52"	(See Note #3)
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 60.0 psf (positive)	0.03"	0.16" max.
	@ 60.0 psf (negative)	0.03"	0.16" max.

Note #3: The Uniform Load Deflection test is not a AAMA/NWWDA 101/I.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Digitally Signed by: Paul L. Spiess

Paul L. Spiess
Project Manager

Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

DAJ/jb
02-48976.02

Gartin Addition Columbia County FL

Wind Load Analysis Requirements

(In Compliance with the 2004 Florida Building Code and Ammendments)

Prepared By: Marty J. Humphries, P.E. # 51976
7932 240th St., O'Brien, FL 32071
(386)935-2406

Description of New Addition:

Footprint: 14'8" x 17" addition to existing home at 192 SW Blue Ct., Ft. White, FL
(see plan 0701 by Haygood Homes)
Walls: 2x4-16" O.C. with 7/16" OSB sheathing minimum, hardiboard lap siding and ½"gypsum wall board interior.
Roof Structure: Pre-engineered roof trusses and 7/16" OSB sheathing
Roof Type: Hip construction (analyzed for 1'4" eave overhang)
Foundation: footer with stemwall, with slab construction

Windload Data and Exposure:

Basic Wind Speed = 110 mph
Importance Factor = 1.0
Exposure category = B
Height and Exposure Adjustment Coefficient = 1.0
Residential Occupancy = Group R3
Analysis Method = FBC 1609.6 - Simplified Provisions for Low Rise Buildings
(see tables 1609.6A, 1609.6B, 1609.6C and 1609.6E for wind pressure values)
Mean roof height = 14'6" full house and 12' for the addition
Roof Cross Slope = 6:12
Eave Overhang= (Analyzed for 1'4" overhang)
Wall Height = 10'
Shear Wall locations = exterior walls only(all walls 3' in length or greater)

Nailing Pattern Requirements:

Wall sheathing:	Shall be 7/16" Oriented Strand Board(OSB) minimum nailed with 8d common nails 3" on center around edges(including around doors and windows) and 6" on center interior. Full depth blocking shall be installed at horizontal joints in sheathing.
Roof sheathing:	Shall be 7/16" Oriented Strand Board(OSB) minimum nailed with 8d common nails 3" on center at panel ends and eave overhang areas and 6" on center elsewhere.
Top wall plate:	Nail with 1-16d common nail 12" O.C.(average)

Marty J. Humphries
2-4-07

FILE COPY

Gartin, Columbia County FL

Windload Requirements Addendum

(In Compliance with the 2004 Florida Building Code and Amendments)

Prepared By: Marty J. Humphries, P.E. # 51976
7932 240th St., O'Brien, FL 32071
(386)935-2406

The following requirements are in addition to, and supercede (where applicable) the windload requirements prepared for the Gartin addition:

1.) The foundation for this addition may be constructed monolithic: The monolithic footer shall be 18" deep minimum and 12" wide with 2 - #5 rebar continuous. Slab shall be reinforced with WWM 6x6x10GA or fiber-reinforced concrete shall be used. (Analysis is based on an allowable bearing pressure of 1000 psf.)

Marty J. Humphries

3-3-07

Strapping and Anchor Requirements:

truss to exterior wall plate locations: install one Simpson model H10 hurricane anchor at each location.

wall strap tie requirements: At top and bottom of wall install one Simpson model SP4 at each side of each window. All other wall locations install SP4's top and bottom of wall 4' on center.

Foundation Requirements:

Stemwall: Minimum size of footer shall be 10" x 20" wide with 2-#5 rebar continuous and 1-#5 vertical rebar 48" on center. All cells shall be filled with concrete. ½" anchor bolts with 2" washers shall be installed 3' on center and 8" from corners each way. (3000 psi concrete min.)(Note: foundation designed using an allowable bearing pressure of 1000 psf)

Header Requirements:

Windows: Header shall be 2 - #2 SYP 2x10's with ½" plywood/OSB between. Nailed with 1-12d nail 10" on center top and bottom of the beam

Note: Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.

Marty D. Thayer
2-4-07

NEW! The H2.5A is symetrically designed for easy installation, with higher uplift loads to meet new code requirements. A placement mark allows easy installation on double top plates.

NEW! The H5A has an installed cost benefit, as it only requires 6 nails, to meet lower uplift requirements.

The H connector series provides wind and seismic ties for trusses and rafters.

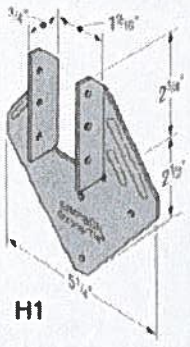
Allowable loads for more than one direction for a single connection cannot be added together. A design load which can be divided into components in the directions given must be evaluated as follows:
Design Shear/Allowable Shear + Design Tension/Allowable Tension < 1.0.

MATERIAL: See table

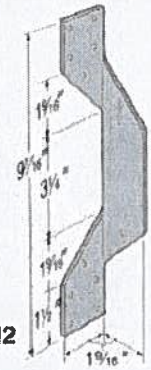
FINISH: Galvanized; H10-2, H11Z–Z-MAX. Other models available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION:
- H1 can be installed with flanges facing outwards (reverse of drawing number 1). When installed inside a wall, a birdsmouth cut is required.
- H2.5, H3, H4, H5 and H6 ties are shipped in equal quantities of rights and lefts.
- Bend the H7 over the top of the truss. Install a minimum of four 8d nails into the truss, including two into the truss side.
- Hurricane Ties do not replace solid blocking.

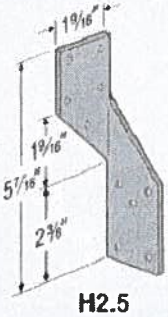
CODES: BOCA, ICBO, SBCCI NER-422, NER-393, NER-432; NER-499; City of L.A. RR 24818; Dade Co, FL 00-0512.11 (H10); 00-0926.01 (H1, H2.5, H3, H4, H5).



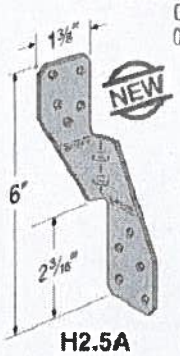
H1



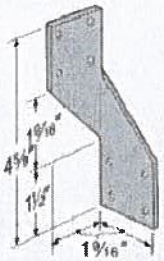
H2



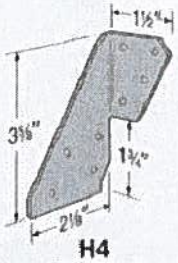
H2.5



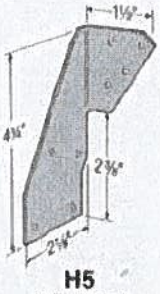
NEW
H2.5A



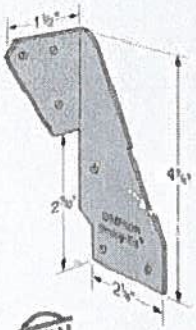
H3



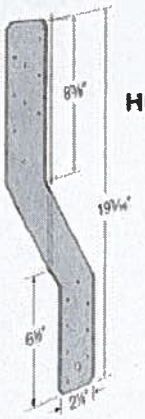
H4
U.S. Patent 4,714,372



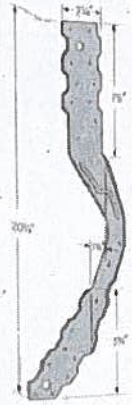
H5
U.S. Patent 4,714,372



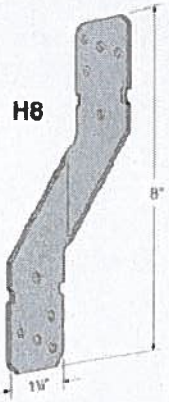
NEW
H5A
U.S. Patent 4,714,372



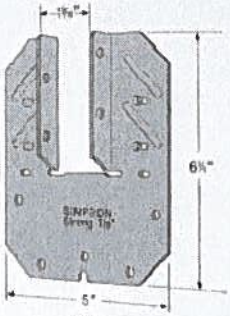
H6



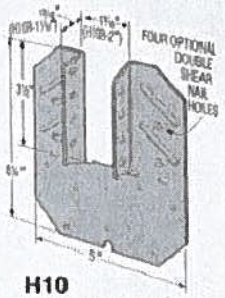
H7



H8

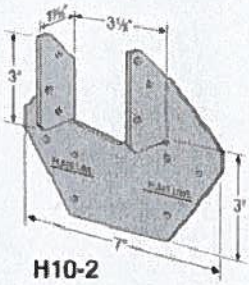


H9

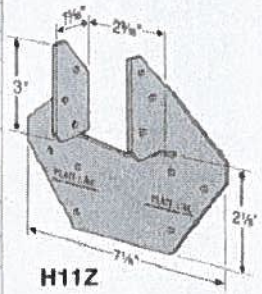


H10
(H10R similar)
U.S. Patents 4,480,941; Canada Patent 1,193,418

Model No.	Ga	Fasteners: To Rafters/ Truss	Fasteners: To Plates	Fasteners: To Studs	Uplift Avg Ult	Doug-Fir Larch/So. Pine Allowable Loads[1,2]: Uplift (133)	Uplift (160)	Lateral (133/160) F_1	Lateral (133/160) F_2	Uplift Load with 8dx1½ Nails (133 & 160)	Spruce-Pine-Fir Allowable Loads[1,2]: Uplift (133)	Uplift (160)	Lateral (133/160) F_1	Lateral (133/160) F_2	Uplift Load with 8dx1½ Nails (133 & 160)
H1	18	6-8dx1½	4-8d	—	1958	490	585	485	165	455	400	400	415	140	370
H2	18	5-8d	—	5-8d	1040	335	335	—	—	335	230	230	—	—	230
H2.5	18	5-8d	5-8d	—	1300	415	415	150	150	415	365	365	130	130	365
NEW H2.5A	18	5-8d	5-8d	—	1793	600	600	110	110	480	520	535	110	110	480
H3	18	4-8d	4-8d	—	1433	455	455	125	160	415	320	320	105	140	290
H4	20	4-8d	4-8d	—	1144	360	360	165	160	360	235	235	140	135	235
H5	18	4-8d	4-8d	—	1485	455	465	115	200	455	265	265	100	170	265
NEW H5A	18	3-8d	3-8d	—	1500	350	420	115	180	290	245	245	100	120	170
H6	16	—	8-8d	8-8d	3983	915	950	650	—	—	785	820	560	—	—
H7	16	4-8d	2-8d	8-8d	2991	930	985	400	—	—	800	845	345	—	—
H8	18	5-10dx1½	5-10dx1½	—	2422	620	745	—	—	—	530	565	—	—	—
H9KT	18	4-SDS¼x1½	5-SDS¼x1½	—	2812	875	875	680	125	—	755	755	680	125	—
H10	18	8-8dx1½	8-8dx1½	—	3135	905	990	585	525	—	780	850	505	450	—
H10R	18	8-8dx1½	8-8dx1½	—	3135	905	990	585	525	—	780	850	505	450	—
H10-2	18	6-10d	6-10d	—	2447	760	760	455	395	—	655	655	390	340	—
H11Z	18	6-16dx2½	6-16dx2½	—	5097	830	830	525	760	—	715	715	450	655	—



H10-2



H11Z

1. ~~Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed.~~
2. Allowable loads are for one anchor. A minimum rafter thickness of 2½" must be used when framing anchors are installed on each side of the joist and on the same side of the plate.
3. Allowable uplift load for stud to bottom plate installation is 400 lbs (H2.5); 390 lbs (H2.5A), 360 lbs (H4) and 310 lbs (H8).
4. The H9KT is sold in 20 piece packs with screws.
5. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.
6. Hurricane Ties are shown installed on the outside of the wall for clarity. Installation on the inside of the wall is acceptable. For a Continuous Load Path, connections must be on same side of the wall.

LSU/LSSU ADJUSTABLE LIGHT SLOPEABLE/SKEWABLE U HANGERS

SIMPSON Strong-Tie

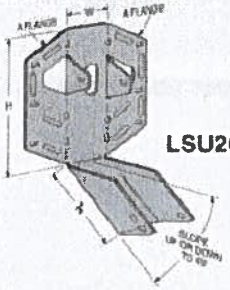
This series attach joists or rafters to headers, sloped up or down, and skewed left or right up to 45°.

MATERIAL: See table.

FINISH: Galvanized

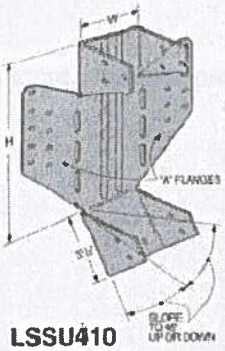
INSTALLATION: • Use all specified fasteners. See General Notes.
- Attach the sloped joist at both ends so that the horizontal force developed by the slope is fully supported by the supporting members.
- Web stiffeners required for I-joist applications.

CODES: BOCA, ICBO, SBCCI NER-209, NER-421, NER-432. City of L.A. RR 24949, RR 25074 and RR 25076.



LSU26

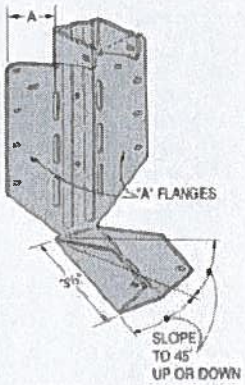
U.S. Patent 4,423,977 and Canada Patent 1,168,827



LSSU410 (LSSU210-2 similar)

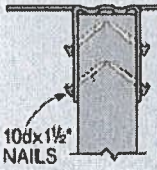
Joist Width	Model No.	Ga	Dimensions W	H	A	Fasteners Face	Joist	Allowable Loads DF/SP Species Header Uplift[2] (133)	Uplift[2] (160)	Floor (100)	Roof Snow (115)	Roof Const (125)	SPF Species Header Uplift[2] (133)	Floor (100)	Roof Snow (115)	Roof Const (125)
Sloped Only Hangers																
1½	LSU26	18	1⅜	4⅞	1½	6-10d	5-10dx1½	485	535	665	765	800	415	575	660	690
1½	LSSU28	18	1⅜	7⅛	1½	10-10d	5-10dx1½	485	535	1110	1275	1390	415	960	1105	1200
1½	LSSU210	18	1⅜	8½	1⅝	10-10d	7-10dx1½	730	875	1110	1275	1390	625	960	1105	1200
2½	LSSUH310	16	2⅜	8½	3⅛	18-16d	12-10dx1½	1150	1150	2395	2565	2565	990	2070	2215	2215
3	LSSU210-2	16	3⅜	8½	2⅞	18-16d	12-10dx1½	1150	1150	2395	2755	2990	990	2070	2380	2590
3½	LSSU410	16	3⅜	8½	2⅞	18-16d	12-10dx1½	1150	1150	2395	2755	2990	990	2070	2380	2590
Skewed Hangers or Sloped and Skewed																
1½	LSU26	18	1⅜	4⅞	1½	6-10d	5-10dx1½	485	535	665	765	800	415	575	660	690
1½	LSSU28	18	1⅜	7⅛	1½	9-10d	5-10x1½	485	535	885	885	885	415	765	765	765
1½	LSSU210	18	1⅜	8½	1⅝	9-10d	7-10dx1½	730	785	995	1145	1205	625	860	995	1050
2½	LSSUH310	16	2⅜	8½	3⅛	14-16d	12-10dx1½	1150	1150	1600	1600	1600	990	1385	1385	1385
3	LSSU210-2	16	3⅜	8½	2⅞	14-16d	12-10dx1½	1150	1150	1825	1865	1865	990	1580	1610	1610
3½	LSSU410	16	3⅜		2⅞											

1. Roof loads are 125% of floor loads unless limited by other criteria. Floor loads may be adjusted for load durations according to the code provided they do not exceed those in the roof columns.
2. Uplift loads include a 33% and 60% increase for earthquake or wind loading; no further increase is allowed.

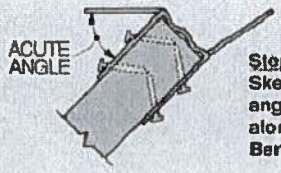


LSSU28

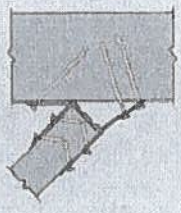
LSSU INSTALLATION SEQUENCE



Step 1
Nail hanger to slope-cut carried member, installing seat nail first. No bevel necessary for skewed installation.



Step 2
Skew flange to form acute angle. Bend other flange back along centerline of slots. Bend one time only.



Step 3
Attach hanger to the carrying member, acute angle side first. Install nails at an angle.

HCP HIP CORNER PLATES

The HCP connects a rafter or joist to double top plates at a 45° angle.

MATERIAL: 18 gauge.

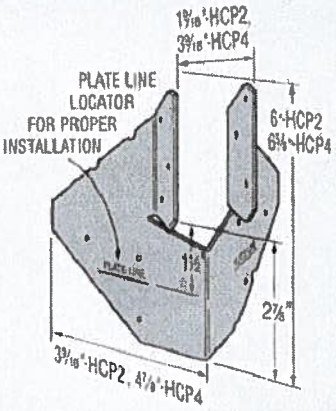
FINISH: HCP2–galvanized or Z-MAX; HCP4–galvanized.

INSTALLATION: • Use all specified fasteners. See General Notes.
- Attach HCP to double top plates; birdsmouth not required for table loads.
- Install rafter and complete nailing. Rafter may be sloped to 45°.

CODE: BOCA, ICBO, SBCCI NER-499.

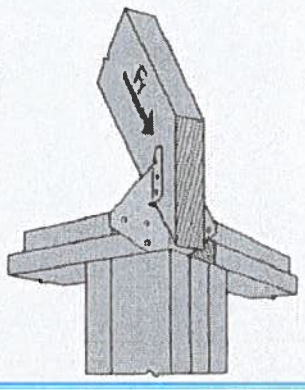
Member Size	Model No.	Fasteners To Rafters	Fasteners To Plates	Uplift Avg Ult	Doug-Fir-Larch/ So. Pine Allowable Loads[1] (133 & 160) Uplift	Doug-Fir-Larch/ So. Pine Allowable Loads[1] (133 & 160) F_1	Spruce-Pine-Fir Allowable Loads[1] (133 & 160) Uplift	Spruce-Pine-Fir Allowable Loads[1] (133 & 160) F_1
2x	HCP2	6-10dx1½	6-10dx1½	2017	605	300	520	260
4x	HCP4	8-10d	8-10d	3367	1000	265	860	230

1. Loads may not be increased for short-term loading.
2. The HCP can be installed on the inside and the outside of the wall with a flat bottom chord truss and achieve twice the load capacity.
3. Uplift loads include a 33% and 60% increase for earthquake or wind loading; no further increase allowed.



HCP2 (HCP4 similar)

U.S. Patent 5,380,115

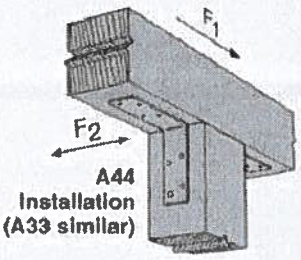


Typical HCP Installation

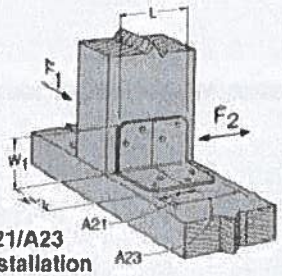
Solid Sawn Connectors

Z2 clips secure 2x4 flat blocking between joists or trusses to support sheathing.
MATERIAL: Z clips–see table. A21 and A23–18 ga.; all other A angles–12 ga.
FINISH: Galvanized
INSTALLATION: • Use all specified fasteners. See General Notes.
• Z clips do not provide lateral stability. Do not walk on stiffeners or apply load until diaphragm is installed and nailed to stiffeners.
CODES: BOCA, ICBO, SBCCI NER-421 (except A33, A44); City of L.A. RR 25076 (except A33, A44); Dade Co. FL 99-0623.04 (A21 and A23).

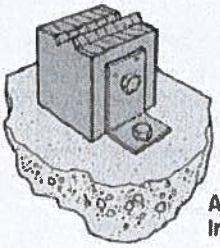
Model No.	Dimensions W1	Dimensions W2**	Dimensions L	Fasteners Base Bolts	Fasteners Base Nails	Fasteners Post Bolts	Fasteners Post Nails	Avg Ult F2	Allowable Loads* DF/SP (133) F1	(133) F2	(160) F1	(160) F2
A21	2	1½	1⅜	—	2-10dx1½	—	2-10dx1⅜	540	245	175	290	175
A23	2	1½	2¾	—	4-10dx1½	—	4-10dx1⅜	1767	485	485	585	565
A33	3	3	1½	—	4-10d	—	4-10d	2635	625	330	750	330
A44	4⅜	4⅜	1½	—	4-10d	—	4-10d	2490	625	295	750	295
A66	5⅞	5⅞	1½	2-⅜	—	2-⅜	—	N/A	N/A	N/A	N/A	N/A
A88	8	8	2	3-⅜	—	3-⅜	—	N/A	N/A	N/A	N/A	N/A
A24	3⅜	2	2½	1-½	—	1-½	2-10d	N/A	N/A	N/A	N/A	N/A
A311	11	3½	2	1-½	—	1-½	4-10d	N/A	N/A	N/A	N/A	N/A

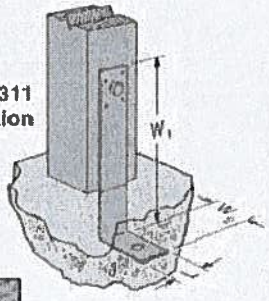


A44 Installation (A33 similar)



A21/A23 Installation

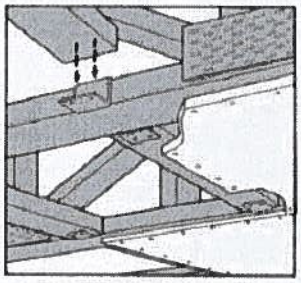

A24 Installation

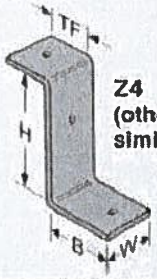


A311 Installation

Model No.	Ga	Dimensions W	H	B	TF	Fasteners' (Total)	Avg Ult	Allowable' Download (125)
Z2	20	2⅝	1½	1⅜	1⅜	4-10dx1½	1507	465
Z4	12	1⅞	3⅛	2⅛	1¾	2-16d	1450	465
Z6	12	1½	5⅛	2	1⅜	2-16d	1517	485
Z28	28	2⅛	1⅛	1⅜	1⅜	10dx1½'	—	—
Z38	28	2⅛	2½	1⅜	1⅜	10dx1½'	—	—
Z44	12	2½	3½	2	1⅜	4-16d	2800	865

1. Z28 and Z38 do not have nail holes. Fastener quantities are as required.
2. Allowable loads have been increased 25% for roof loading (Z clips), 33% and 60% for earthquake or wind loading (A angles); no further increase allowed; reduce for other load durations according to the code.
3. Z4 and Z6 loads apply with a nail into the top and a nail into the seat.


Typical Z2 Installation



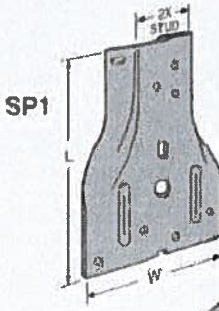
Z4 (others similar)

Straps & Ties

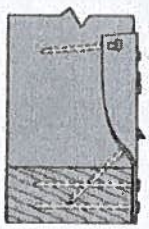
SP/SPH/RSP4 STUD PLATE TIES

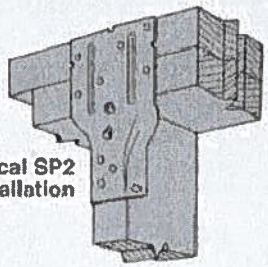
The RSP4 is a reversible stud plate tie with locating tabs, which aid placement on double top plates or a single bottom plate.
MATERIAL: SPH–18 gauge, all others–20 gauge **FINISH:** Galvanized
INSTALLATION: • Use all specified fasteners; see General Notes.
• SP–one of the 10d common stud nails is driven at a 45° angle through the stud into the plate.
CODES: BOCA, ICBO, SBCCI NER-432, NER-443, NER-499; SBCCI 9603A; City of LA RR 25318 (RSP4); Dade Co. FL 99-0623.04 (SP1, SP2, SP4, SP6, SP8).

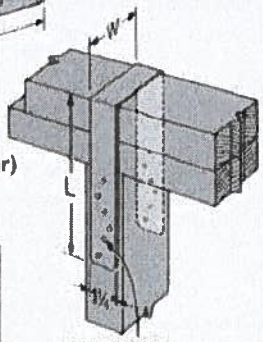
Model No.	Dimensions W	Dimensions L	Fasteners Stud'	Fasteners Plate	Avg Ult	Allowable Uplift Loads DF/SP (133)²	(160)²
SP1	3½	5⅛	6-10d	4-10d	1950	585	585
SP2	3½	6⅝	6-10d	6-10d	3300	890	1065
SP3	4½	6⅝	6-10d	6-10d	3467	890	1065
SP4	3⅜	7¼	6-10dx1½	—	2917	735	885
SP5	4½	5⅛	6-10d	4-10d	1950	585	585
SP6	5⅜	7¼	6-10dx1½	—	2917	735	885
SP8	7⅛	8⅛	6-10dx1½	—	2917	735	885
SPH4	3⅜	8¼	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
SPH6	5⅜	9¼	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
SPH8	7⅜	8⅛	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
RSP4 (1)	2⅛	4½	4-8dx1½	4-8dx1½	1032	315	315
RSP4 (2)	2⅛	4½	4-8dx1½	4-8dx1½	1445	450	450



SP1

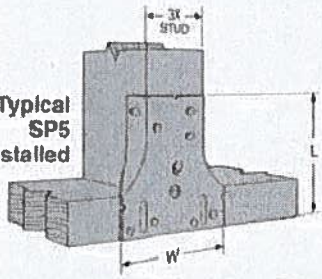

SP1 Nailing Profile


Typical SP2 Installation

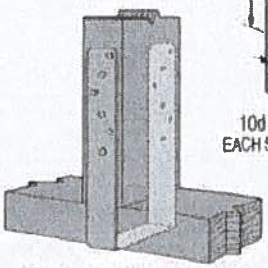


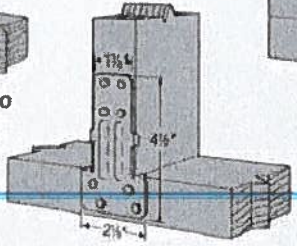
Typical SPH Installation (SP4, 6, 8 similar)

10d×1½" NAILS EACH SIDE OF STUD

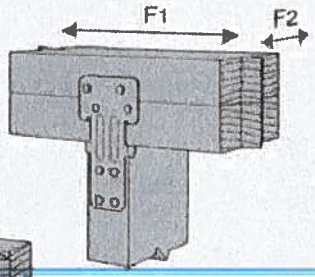


Typical SP5 Installed


Typical SPH4 Stud to Single Bottom Plate

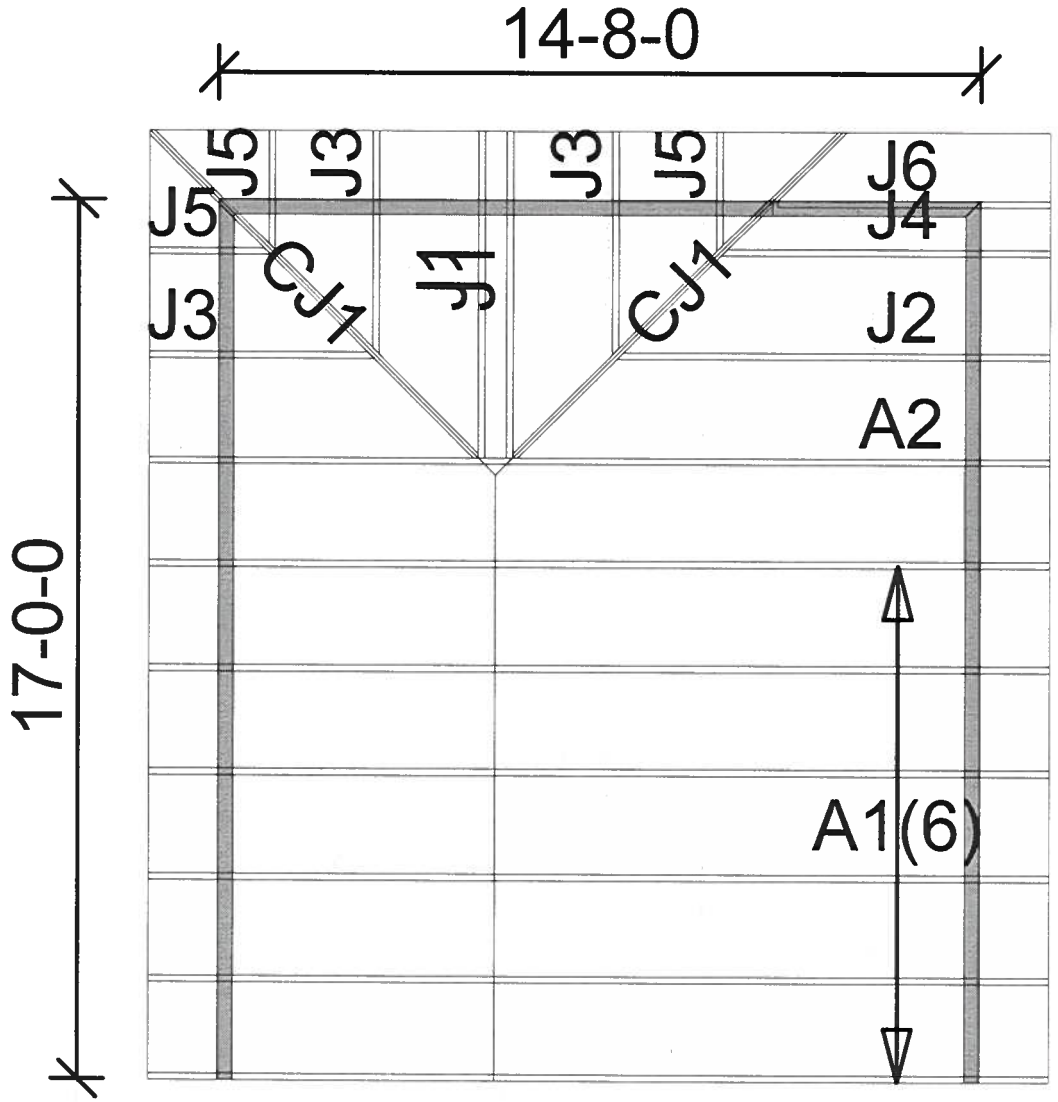


(1) Typical RSP4 Stud to Single Bottom Plate



(2) Typical RSP4 Stud to Double Top Plate (see footnote 4)

1. SP1, 2, 3 and SP5: drive one stud nail at an angle through the stud into the plate to achieve the table load (see illustration).
2. Allowable loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.
3. RSP4–see installation details (1) and (2) for reference.
4. RSP4 F2 is 280 lbs (installation 1) and 305 lbs (installation 2). F1 load is 210 lbs for both installations.
5. Maximum load for SPH in Southern Yellow Pine is 1490 lbs.
6. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement



Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

HAYGOOD HOMES, INC.

GARTIN ADDITION

110 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2- 0- 0 o.c.

Account: CONTRACTORS
Job: HAYGOOD-GARTIN
Designer: M.MURRAY
Checker: M.MURRAY
Date: 02-14-07

Permit Number: _____ Lot Number: _____

Miscellaneous: _____ Address: _____

The information in this box is for administrative purposes only and is not part of the engineering review.

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: HAYGOOD-GARTIN - GARTIN ADDITION

Standard Loading:

T C Live	20 psf
T C Dead	10 psf
B C Live	0 psf
B C Dead	10 psf
Total	40 psf

ROBBINS ENGINEERING, INC.
P.O. Box 280055
Tampa, FL 33682-0055
Phone: (813) 972-1135

Engineering Index Sheet

Index Page 1 of 1

ANSI/ASCE 7-02
Wind Speed - 110 MPH
Mean Roof Ht. - 15 FT
Exposure Catergory - B
Occupancy Factor - 1.00
C and C
Enclosed

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T07020993	02/12/2007		9

A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibilty of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specificstion Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Sofware - Online Plus)

Notes: Refer to individual truss design drawings for special loading conditions.

	Date	Mark		Date	Mark		Date	Mark		Date	Mark
1	02/12/07	A1	2	02/12/07	A2	3	02/12/07	CJ1	4	02/12/07	J1
5	02/12/07	J2	6	02/12/07	J3	7	02/12/07	J4	8	02/12/07	J5
9	02/12/07	J6									

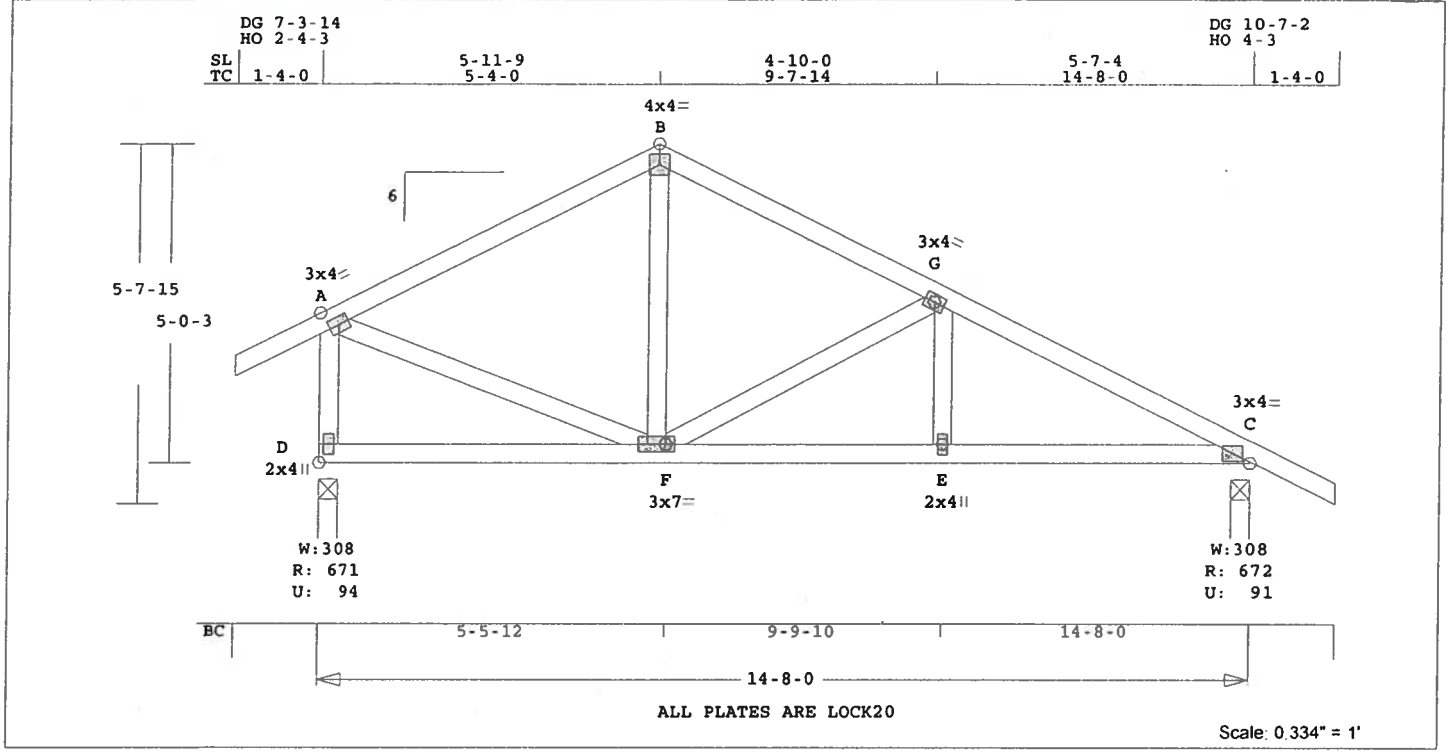
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

PHILIP J. O'REGAN
LICENSE
No. 58126
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	A1	6	SP	140800	6	1- 4- 0	1- 4- 0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 99.8 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.23	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0
BC Cont.	0- 0- 0	14- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25

TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
D	672	94	3- 8	1- 8
			Hz = -115	
C	672	92	3- 8	1- 8
			Hz = 73	

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.34	481 C	0.04		0.30
B -G	0.20	489 C	0.05		0.15
G -C	0.22	875 C	0.06		0.16
Bottom Chords					
D -F	0.15	88 T	0.00		0.15
F -E	0.23	788 T	0.08		0.15
E -C	0.21	788 T	0.13		0.08

Webs

D -A	0.07	541 C	WindLd
A -F	0.08	471 T	
F -B	0.03	228 T	
F -G	0.12	401 C	
E -G	0.02	173 T	

TL Defl -0.05" in D -F L/999
LL Defl -0.02" in D -F L/999
Shear // Grain in A -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.61
B	LOCK	4.0x 4.0	Ctr	Ctr	0.56
G	LOCK	3.0x 4.0	Ctr	Ctr	0.51
C	LOCK	3.0x 4.0	Ctr	Ctr	0.68
D	LOCK	2.0x 4.0	Ctr	Ctr	0.44
F	LOCK	3.0x 7.0	Ctr	Ctr	0.45
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0

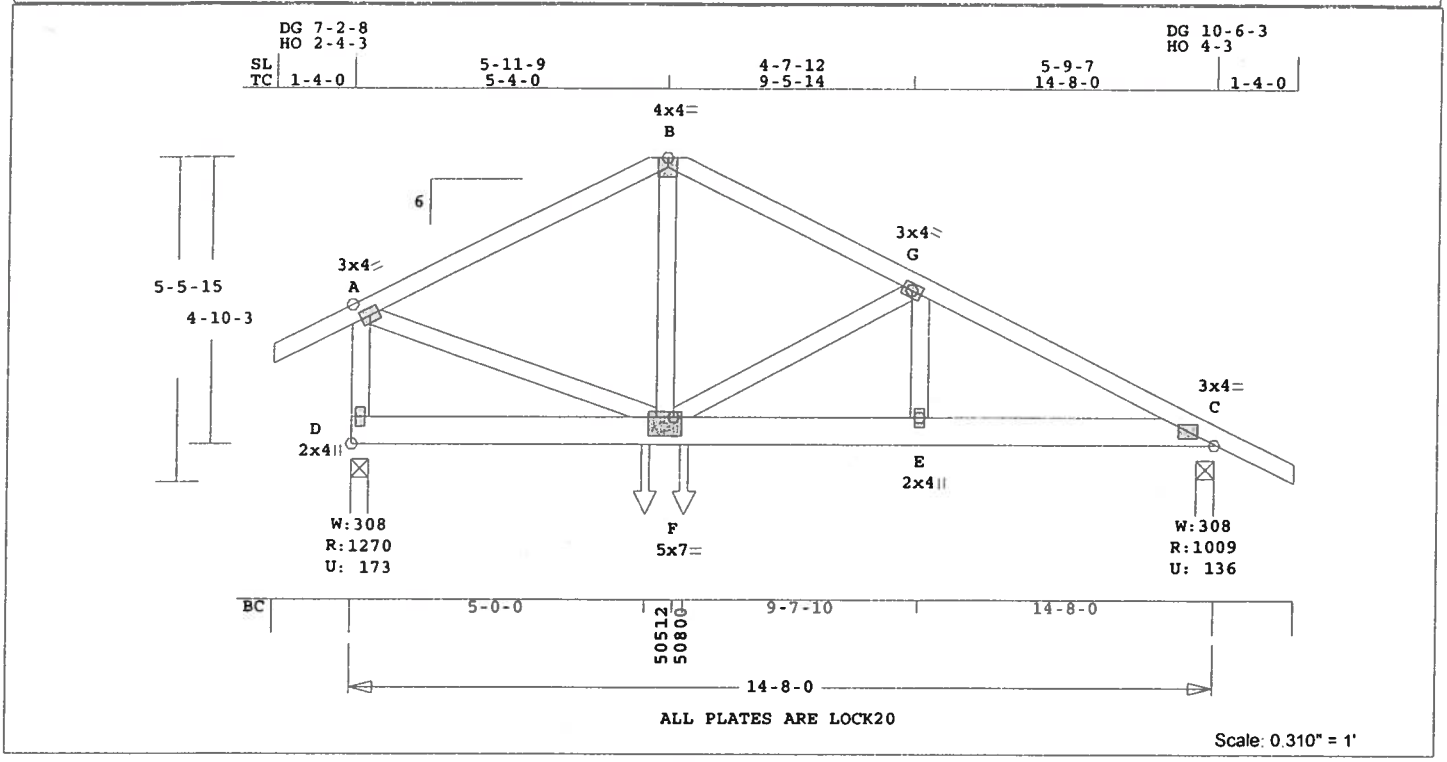
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 875 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License # 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	A2	1	SP	140800	6	1- 4- 0	1- 4- 0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 112.1 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.45	2x 4	SP-#2
BC	0.34	2x 6	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0
BC Cont.	0- 0- 0	14- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Load Case # 1 Standard Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

plf -	Live	Dead	From	To
TC V	40	20	0.0'	14.7'
BC V	0	20	0.0'	14.7'
BC V	234	234	5.0'	CL-LB
BC V	234	234	5.7'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
D	1270	174	3- 8	1- 8
			Hz =	-112
C	1010	137	3- 8	1- 8
			Hz =	72

Membr	CSI	P Lbs	Axl-CSI-Bnd	
		Top Chords		
A -B	0.45	1227 C	0.11	0.34
B -G	0.29	1234 C	0.11	0.18
G -C	0.30	1620 C	0.13	0.17
		Bottom Chords		
D -F	0.16	86 T	0.00	0.16
F -E	0.34	1452 T	0.19	0.15
E -C	0.30	1452 T	0.19	0.11
		Webs		
D -A	0.11	1128 C	WindLd	
A -F	0.22	1186 T		
F -B	0.14	891 T		
F -G	0.11	401 C		
E -G	0.02	186 T		

TL Defl -0.04" in F -E L/999
LL Defl -0.02" in F -E L/999
Shear // Grain in D -F 0.43

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.63
B	LOCK	4.0x 4.0	Ctr	-0.1	0.58
G	LOCK	3.0x 4.0	Ctr	Ctr	0.51
C	LOCK	3.0x 4.0	Ctr	Ctr	0.73
D	LOCK	2.0x 4.0	Ctr	Ctr	0.80
F	LOCK	5.0x 7.0	Ctr	-1.3	0.98
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

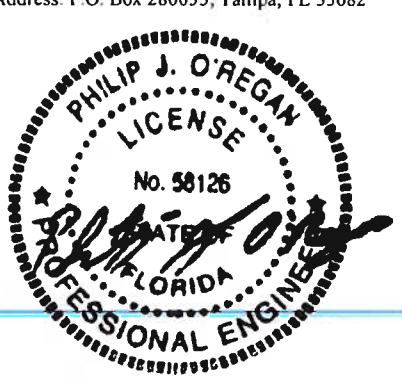
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1620 Lbs
Quality Control Factor 1.25

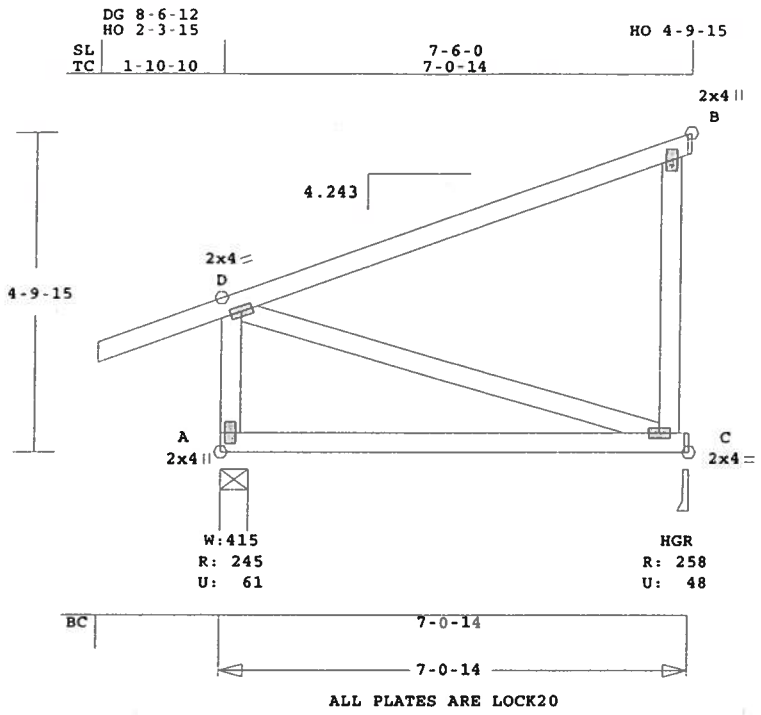
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	CJ1	2	MONO.DD	70014	4.243	1-10-10	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 55.3 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.51	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	7- 0-14
BC Cont.	0- 0- 0	7- 0-14

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25

TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Load Case # 1 Girder Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

plf - Live	Dead	From	To
TC V 40	20	0.0'	7.1'
BC V 0	20	0.0'	7.1'
TC V -40	-20	0.0'	
17	8		7.1'
BC V 0	-20	0.0'	
0	8		7.1'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	246	61	4-15	1- 8
		Hz =	-90	
C	259	48	3- 8	1- 8

Hz = 136

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.51	64 C	0.00 0.51
--------Bottom Chords---------			
A -C	0.27	106 C	0.00 0.27
------------Webs-------------			
A -D	0.03	93 C	WindLd
D -C	0.02	87 T	
C -B	0.10	263 T	WindLd

TL Defl -0.14" in A -C L/543
LL Defl -0.07" in A -C L/999
Shear // Grain in D -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.75
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Girder King Jack
Loading TC and BC
Setback 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 194 Lbs
Quality Control Factor 1.25

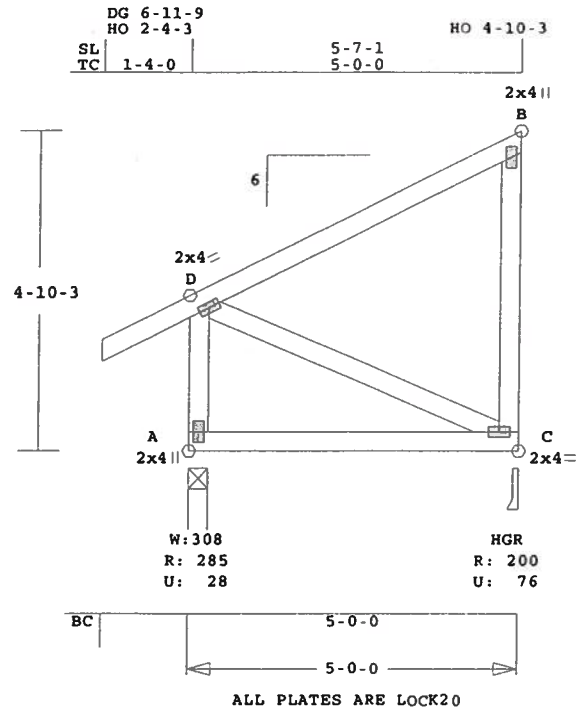
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

PHILIP J. O'REGAN LICENSE No. 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J1	2	JCA2	50000	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Scale: 0.347" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 43.7 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.44	2x 4	SP-#2
BC	0.17	2x 4	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5- 0- 0
BC Cont.	0- 0- 0	5- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25

TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	285	29	3- 8	1- 8
			Hz = -100	
C	200	76	3- 8	1- 8
			Hz = 154	

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.44	71 C	0.00 0.44
A -C	0.17	93 C	0.00 0.17
----------Webs----------			
A -D	0.03	149 C	WindLd
D -C	0.02	185 T	
C -B	0.10	247 T	WindLd

TL Defl -0.05" in A -C L/999
LL Defl -0.03" in A -C L/999
Shear // Grain in D -B 0.26

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.75
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

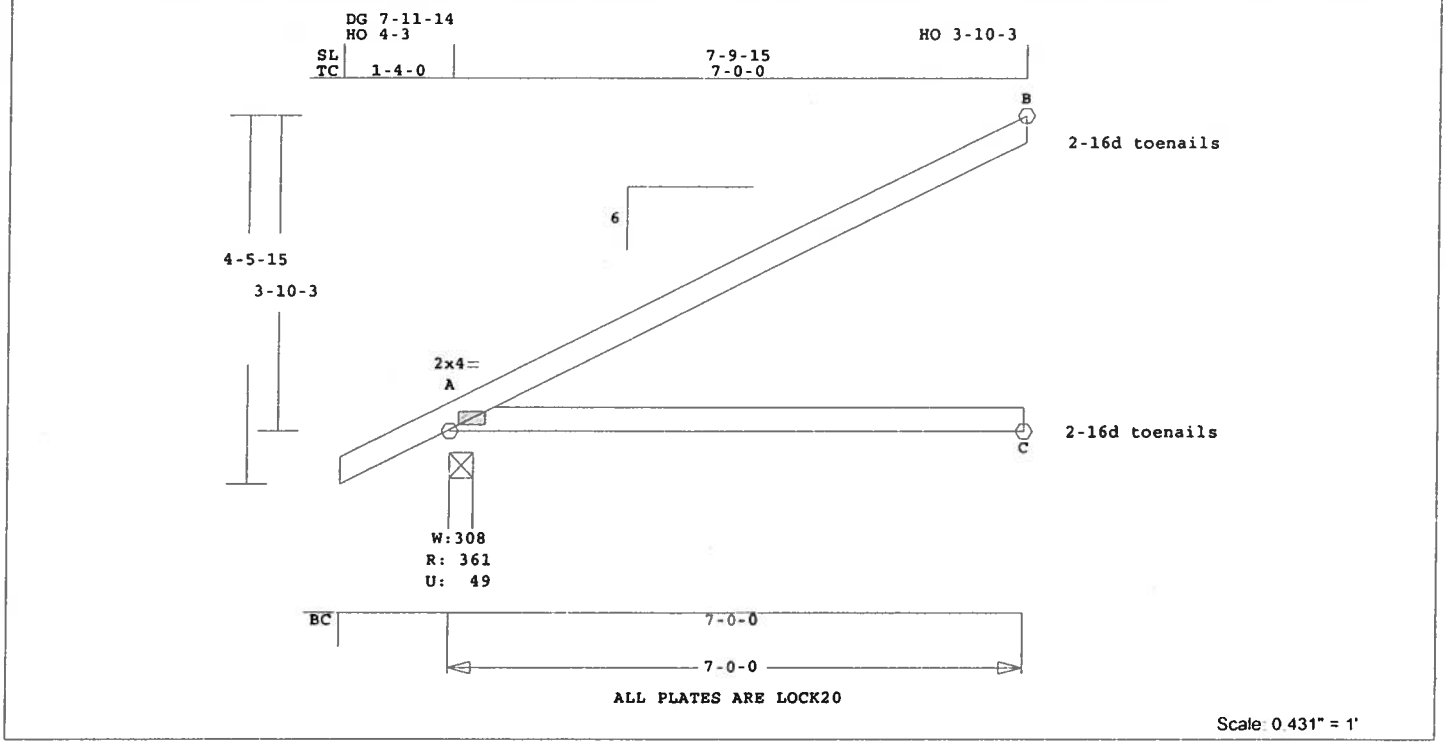
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 150 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J2	1	JCA2	70000	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.1 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
BC	0.41	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0
BC Cont.	0- 0- 0	7- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	361	49	3- 8	1- 8
			Hz =	106
C	132	0	3- 8	1- 8
B	196	85	3- 8	1- 8
			Hz =	72

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.52	166 C	0.00 0.52
--------Bottom Chords---------			
A -C	0.41	0 T	0.00 0.41

TL Defl -0.18" in A -C L/427
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.69

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 166 Lbs
Quality Control Factor 1.25

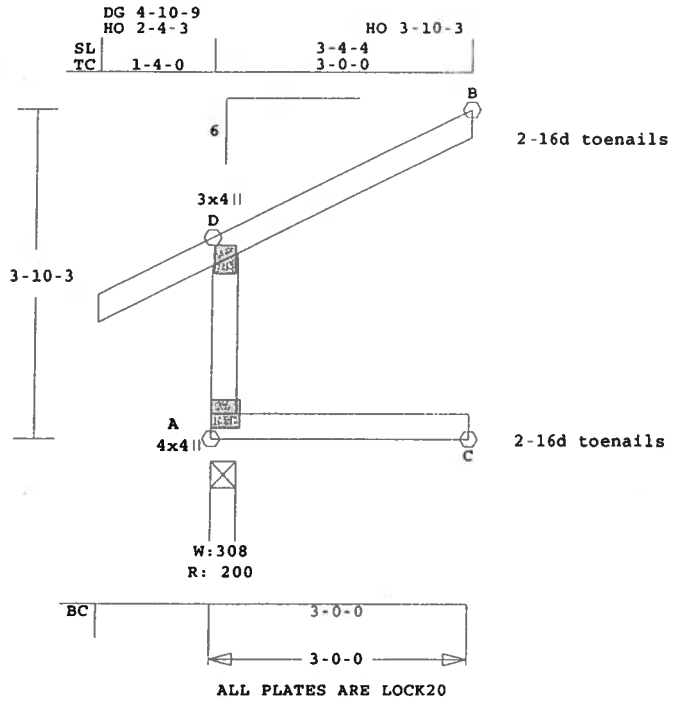
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

PHILIP J. O'REGAN LICENSE No. 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J3	3	JCA2	30000	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Scale: 0.450" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 18.6 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.45	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	3- 0- 0
BC Cont.	0- 0- 0	3- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Req'd In-Sx
A	200	0	3- 8	1- 8
			Hz =	92
C	58	16	3- 8	1- 8
			Hz =	67
B	92	68	3- 8	1- 8

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.31	134	C 0.00 0.31
-------Bottom Chords--------			
A -C	0.40	67	T 0.00 0.40
------------Webs------------			
A -D	0.45	87	C 0.00 0.45

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in D -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	3.0x 4.0	Ctr	Ctr	0.30
A	LOCK	4.0x 4.0	0.2	Ctr	0.38

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

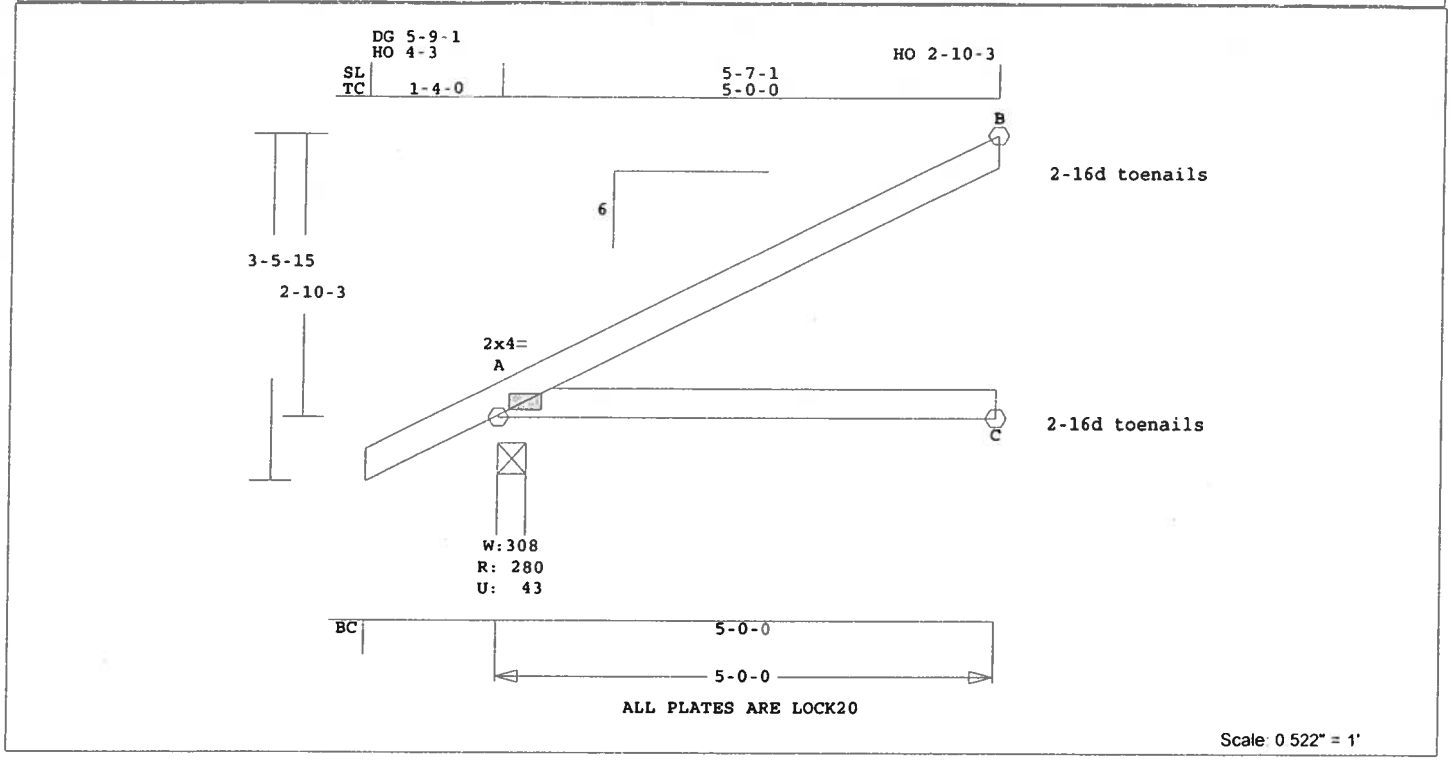
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 134 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J4	1	JCA2	50000	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.1 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.24	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5- 0- 0
BC Cont.	0- 0- 0	5- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25

TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	281	43	3- 8	1- 8
			Hz =	75
C	94	0	3- 8	1- 8
B	142	62	3- 8	1- 8
			Hz =	51

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.31	137 C	0.00 0.31
--------Bottom Chords---------			
A -C	0.24	0 T	0.00 0.24

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

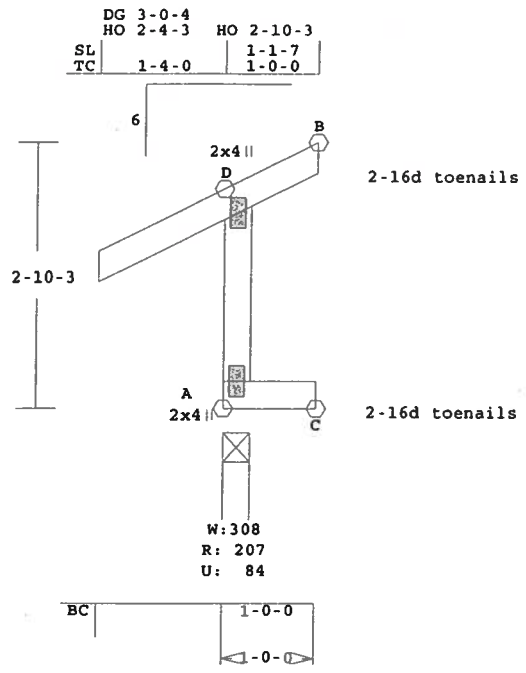
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 137 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 2/12/2007

Job	Mark	Quan	Type.	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J5	3	JCA2	10000	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



ALL PLATES ARE LOCK20

Scale: 0.490" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 10.6 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.13	2x 4	SP-#2
BC	0.19	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	1- 0- 0
BC Cont.	0- 0- 0	1- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	208	85	3- 8	1- 8
			Hz =	61
C	55	59	3- 8	1- 8
			Hz =	46
B	50	74	3- 8	1- 8

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.13	117 C	0.00 0.13
--------Bottom Chords---------			
A -C	0.19	46 T	0.00 0.19
----------Webs----------			
A -D	0.22	154 C	0.00 0.22

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in D -B 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

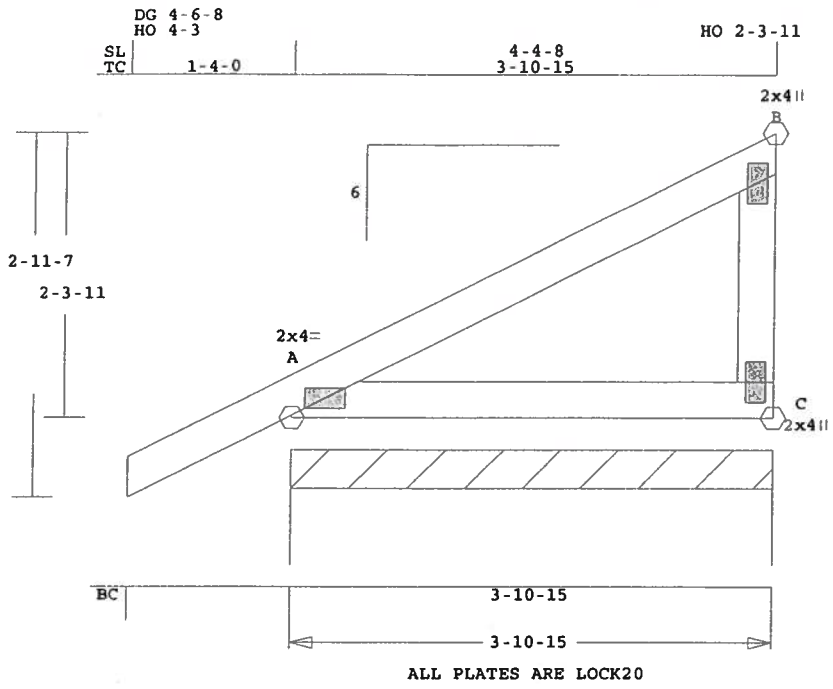
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 154 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 2/12/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-GARTIN	J6	1	JCA2	31015	6	1- 4- 0	0	T07020993

U# J#HAYGOOD-GARTIN GARTIN ADDITION



ALL PLATES ARE LOCK20

Scale: 0.648" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 21.9 LBS

Online Plus -- Version 20.0.022
RUN DATE: 12-FEB-07

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.18	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	3-10-15
BC Cont.	0- 0- 0	3-10-15

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
Cont. Brg	0- 0- 0 to		3-10-15	
	398	57	Hz =	67

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.21	53 C	0.00	0.21
--------Bottom Chords---------				
A -C	0.18	36 T	0.00	0.18
------------Webs------------				
C -B	0.02	196 T	WindLd	

TL Defl -0.02" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.18

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 105 Lbs
Quality Control Factor 1.25

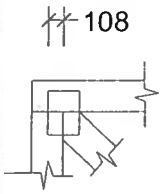
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

PHILIP J. O'REGAN LICENSE No. 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date Sealed: 2/12/2007

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)

(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

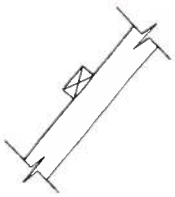
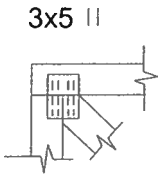


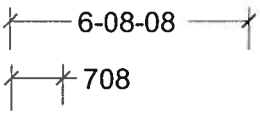
PLATE SIZE AND ORIENTATION

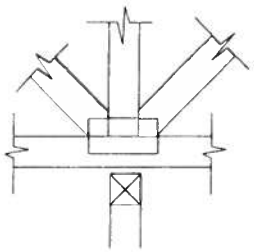


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.
The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA)," National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

Service Slip / Invoice

ORDER: 608182
WORK DATE: 03/08/07
Thursday

Pestmaster Services of Lake City
879 S. W. Arlington Boulevard
Suite 106
Lake City, FL 32025
386-752-7779

25588

[104380]
Bill-To: HAYGOOD HOMES INC.
12592 S US HWY 441
LAKE CITY, FL 32025

[104380] 386-752-3496
Work Location: HAYGOOD HOMES INC.
12592 S US HWY 441
LAKE CITY, FL 32025

GARTIN

Work Date	Time	Target Pest	Technician		Time In
03/08/07			LC02	Tommy Houk	8:30
Purchase Order		**Terms**	**Last Service**	**Map Code**	**Time Out**
		NET 30	02/05/07		9:30

Ft white Addition

Service	Description	Amount
LC TERMITE 21	PRETREAT	$75.00

SUBTOTAL	$75.00
TAX	$0.00
BALANCE	$295.50
TOTAL	$370.50

chg

	Pesticide / Product	%	UOM	Amount		Pesticide / Product	%	UOM	Amount
1	Bifenthrin	.06	30	Gallons	5				
2					6				
3					7				
4					8				

Location of Treatment: Numbers correspond to line numbers above

_____ Kitchen	_____ Living Room	_____ Dining Room(s)	_____ Bed Room(s)
_____ Attic	_____ Shed(s)	_____ Garage(s)	_____ Crawlspace(s)
_____ Office(s)	_____ Lawn Area	_____ Dumpster Area	_____ Basement(s)
_____ Bar(s)	_____ Store Room	_____ Rodent Burrow	_____ Rodent Pathway
_____ Bathroom(s)	_____ Other	_____ Family Room / Den	_____ Laundry / Utility

Site of Treatment: Numbers correspond to line numbers above

_____ Baseboards	_____ Cabinets	_____ Carpeting	_____ Under and Behind Kitchen Equipment
_____ Sill Area	_____ Eaves	_____ Wall Voids	
_____ Outside Perimeter	_____ Outside Beddings	_____ Furniture	
_____ Other _____		✓ Other New construction	

Method of Treatment: Numbers correspond to line numbers above

_____ Spot Treatment	_____ ULV Machine	_____ Broadcast	✓ Fan Spray
_____ Space Spray	_____ C & C Aerosol	_____ Duster	_____ Air Sprayer
_____ Fumigation	_____ Granulate	_____ Rat Station	_____ Mouse Station
_____ Actisol Machine	_____ Drill & Treat Voids	_____ Slab Injector	_____ Total Release Aerosol
_____ Other _____		_____ Other _____	

* Charges outstanding over 30 days from the date of service are subject to a 1½% FINANCE CHARGE PER MONTH or annual percentage rate of 18%. Customer agrees to pay accrued expenses in the event of collection.

I hereby acknowledge the satisfactory completion of all services rendered, and agree to pay the cost of services as specified above.

PLEASE PAY FROM THIS INVOICE

X _____
CUSTOMER SIGNATURE