

DATE 01/24/2008

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000026662

APPLICANT JOHN SHERMAN PHONE 386.397.0600
ADDRESS 12592 S US HWY 441 LAKE CITY FL 32025
OWNER DUSTIN MCCRAY PHONE
ADDRESS 581 SW TUSTENUGGEE AVENUE LAKE CITY FL 32025
CONTRACTOR S. PAT HAYGOOD PHONE 386.303.1981
LOCATION OF PROPERTY 41-S TO C-131-S,TR GO 1 1/2 TO 2 MILES SITE ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 69000.00
HEATED FLOOR AREA 1380.00 TOTAL AREA 1380.00 HEIGHT 19.11 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 20-4S-17-08583-013 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 1.10

CRC1326715
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 07-0971 BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD. NOC ON FILE.

Check # or Cash 3237

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 \$ 345.00 CERTIFICATION FEE \$ 6.90 SURCHARGE FEE \$ 6.90
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 433.80
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.

CKA 3237

Columbia County Building Permit Application

For Office Use Only Application # 0712-73 Date Received 12/26 By JW Permit # 26662
 Application Approved by - Zoning Official BLK Date 23.01.08 Plans Examiner DKJH Date 1-2-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

☐ NOC ☐ EH ☒ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Per

Name Authorized Person Signing Permit John Sherman Phone 386-397-0600

Address 12592 S. US Hwy 441 L.C.

Owners Name Dustin McRay Phone _____

911 Address 581 SW Tuskenuggee Ave (pat) L.C. 32025

Contractors Name Haygood Homes, Inc (S.P. Haygood) Phone 386-303-1981

Address 12592 S. US Hwy 441 L.C.

Fee Simple Owner Name & Address Peoples Bank Lake City

Bonding Co. Name & Address _____

Architect/Engineer Name & Address S. Pat Haygood / Marty Humphries

Mortgage Lenders Name & Address Peoples Bank Lake City

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

Property ID Number 20-45-17-08583-008 Estimated Cost of Construction \$102,000.

Subdivision Name 013 proposed Lot _____ Block _____ Unit _____ Phase _____

Driving Directions US 41 South to CR131 (Tuskenuggee Rd) turn right

go 1 1/2 to 2 miles location on left

Type of Construction new home SFD Number of Existing Dwellings on Property 0

Total Acreage 1.1 Lot Size 1.1 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing

Actual Distance of Structure from Property Lines - Front 135 Side 63 Side 73 Rear 55

Total Building Height 19'11" Number of Stories 1 Heated Floor Area 1380 Roof Pitch 7/12

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

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 COMMENCEMENT MAY RESULT IN YOU PAYING

TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOU

LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA

COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 24th day of Dec. 2007.

Personally known ✓ or Produced Identification _____

Contractor Signature _____
 Contractors License Number CR01326715
 Competency Card Number _____
 NOTARY STAMP/SEAL
 DONNA S. HIGGS
 Commission PD 648459
 Expires March 31, 2011
 Bonded thru Troy Felt Insurance Co. 300,000
 Notary Signature 12/26/07 (Revised Sept. 20

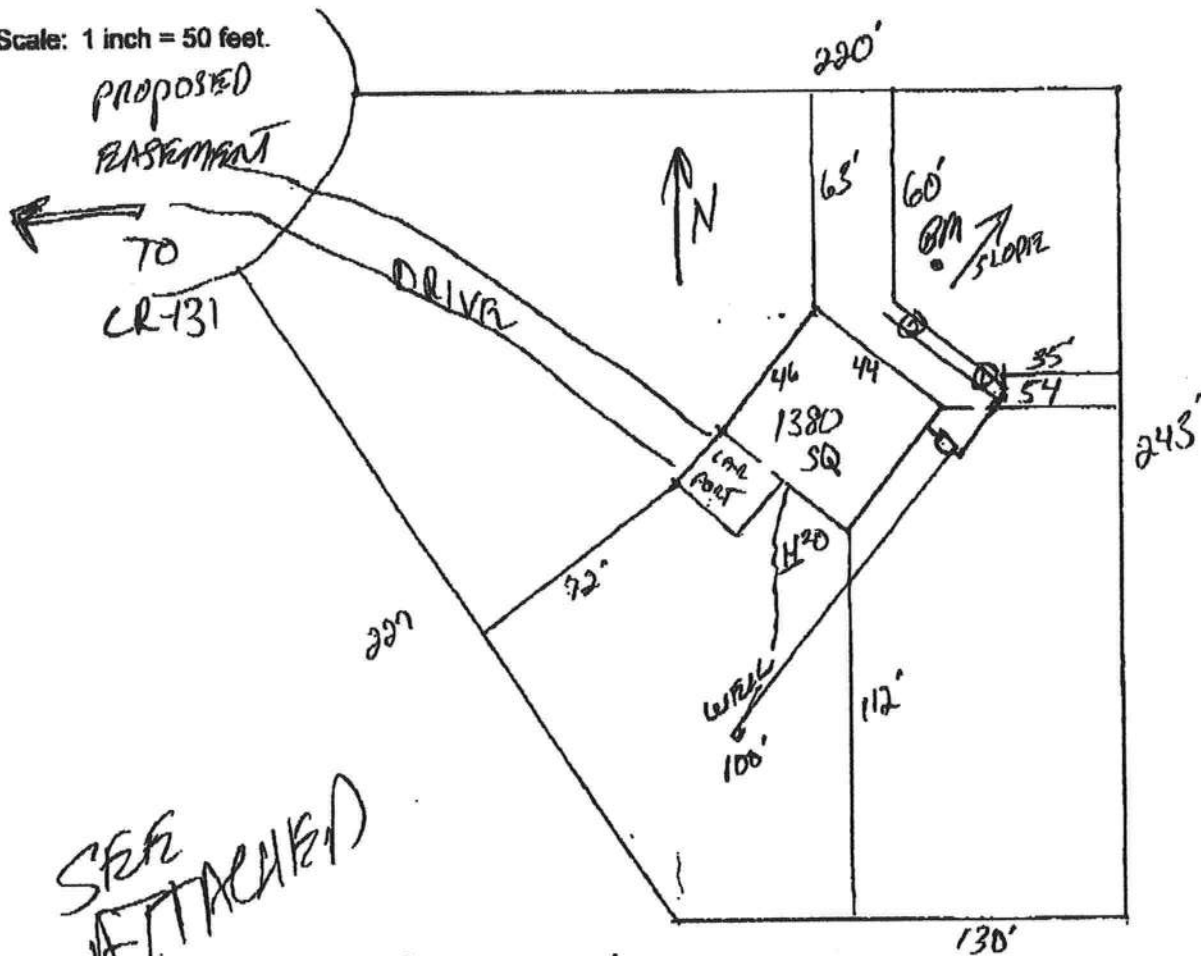
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0971

McCrory

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



SEE ATTACHED

Notes:

1.11 of 20 Acres

Site Plan submitted by:

Rock D F D

Plan Approved ☒

Not Approved ☐

By

Mr. Jh

MASTER CONTRACTOR

Date 12-19-07

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces FHS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

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Columbia County Property Appraiser

DB Last Updated: 11/15/2007

Parcel: 20-4S-17-08583-008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev Search Result: 16 of 20 Next >>

Owner's Name	MCCRAY MICHAEL T &		
Site Address			
Mailing Address	SANDRA MARLENE 365 S MARION AVE SUITE 102 LAKE CITY, FL 32025		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	20417.00	Tax District	2
UD Codes	MKTA02	Market Area	02
Total Land Area	20.020 ACRES		
Description	COMM INTERS N LINE OF SEC & E R/W CR-131, RUN S 153.61 FT FOR POB, RUN E 210 FT, N 156.35 FT, E 839.48 FT, SE 311.41 FT, SW 133.03 FT, SE 110.58 FT, W 259.68 FT, S 538.05 FT, W 810.40 FT TO E R/W OF CR-131, N ALONG R/W 817.57 FT TO POB. ORB 825-475, 825-476, DC CLYDE D ODOM 1020-156. WD 1020-158.		

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (2)	\$76,562.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$76,562.00

Just Value	\$76,562.00
Class Value	\$0.00
Assessed Value	\$76,562.00
Exempt Value	\$0.00
Total Taxable Value	\$76,562.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
6/17/2004	1020/158	WD	V	Q		\$75,000.00
7/16/1996	825/475	WD	V	Q		\$53,000.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	15.020 AC	1.00/1.00/1.00/1.00	\$5,000.00	\$75,100.00
009630	SWAMP (MKT)	5.000 AC	1.00/1.00/1.00/1.00	\$292.50	\$1,462.00

Columbia County Property Appraiser

DB Last Updated: 11/15/2007

<< Prev

16 of 20

Next >>

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 12/17/2007 DATE ISSUED: 12/19/2007

ENHANCED 9-1-1 ADDRESS:

581 SW TUSTENUGEE AVE

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

20-4S-17-08583-008

Remarks:

Address Issued By:


Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

Approved Address

1064

DEC 19 2007

911Addressing/GIS Dept

FORM 600B-04

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Residential Component Prescriptive Method B

NORTH 12 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 the other sections in Chapter 6 of the code.

PROJECT NAME: AND ADDRESS:	McCray Residence	BUILDER:	Haygood Homes, Inc.
OWNER:	Dustin McCray	PERMITTING OFFICE:	COLUMBIA
		PERMIT NO.:	46662
		CLIMATE ZONE:	1 ☐ 2 ☐ 3 ☒ 4
		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 chosen.
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

- Compliance package chosen (A-E)
- New construction or addition
- Single-family detached or multiple-family attached
- If multiple-family—No. of units covered by this submission
- Is this a worst case? (yes/no)
- Conditioned floor area (sq. ft.)
- Predominant eave overhang (ft.)
- Glass type and area:
 - Clear glass
 - Tint, film or solar screen
- Percentage of glass to floor area
- Floor type, area or perimeter, and insulation:
 - Slab-on-grade (R-value)
 - Wood, raised (R-value)
 - Wood, common (R-value)
 - Concrete, raised (R-value)
 - Concrete, common (R-value)
- Wall type, area and insulation:
 - Exterior:
 - Masonry (Insulation R-value)
 - Wood frame (Insulation R-value)
 - Adjacent:
 - Masonry (Insulation R-value)
 - Wood frame (Insulation R-value)
- Ceiling type, area and insulation:
 - Under attic (Insulation R-value)
 - Single assembly (Insulation R-value)
- Air distribution system: Duct insulation, location
Test report (attach if required)
- Cooling system:
(Types: central, room unit, package terminal A.C., gas, none)
- Heating system:
(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)
- Hot water system:
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)

1.	A	
2.	NEW	
3.	Single	
4.	N/A	
5.	485	
6.	1380	
7.	1'4"	
	Single Pane	Double Pane
8a.	sq. ft. 125	sq. ft.
8b.	sq. ft.	sq. ft.
9.	9 %	
10a.	R = 0	152 lin. ft.
10b.	R =	sq. ft.
10c.	R =	sq. ft.
10d.	R =	sq. ft.
10e.	R =	sq. ft.
11a-1	R =	sq. ft.
11a-2	R = 13	1216 sq. ft.
11b-1	R =	sq. ft.
11b-2	R =	sq. ft.
12a.	R = 30	sq. ft. 1380
12b.	R =	sq. ft.
13.	R = 6	
14a.	Type: Central	
14b.	SEER/EER: 13	
14c.	Capacity: Heat Pump	
15a.	Type:	
15b.	HSPF/COP/AFUE:	
15c.	Capacity: 50 gal	
16a.	Type: elec.	
16b.	EF: 88	

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

PREPARED BY: [Signature] DATE: 12/29/07

I hereby certify that this building is in compliance with the Florida Energy Code:
OWNER AGENT: _____ DATE: _____

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

BUILDING OFFICIAL: _____
DATE: _____

APPENDIX 13-D

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% DC: ☒ DT: ☐
	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)	1.4" FEET
	Overhang	1'4"	2'	2'	2'	2'	
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					EXT: R = ADJ: R = COM: R =
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD-FRAME WALLS R-11					EXT: R = 13 ADJ: R = COM: R =
CEILING		R-30	R-30	R-30	R-30	R-30	UNDER ATTIC: R = 30 COMMON: R =
FLOORS	Slab-On-Grade	R-0					R = 0
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R =
	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 = 13
HEAT	Elect. (HSPF)	7.9	7.1	7.4	7.4	7.4	HSPF =
	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 = 88
	Gas & Oil**	MINIMUM EF OF .59					NATURAL GAS ONLY (SEE BELOW)
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF = HRU: ☐ EF = 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.

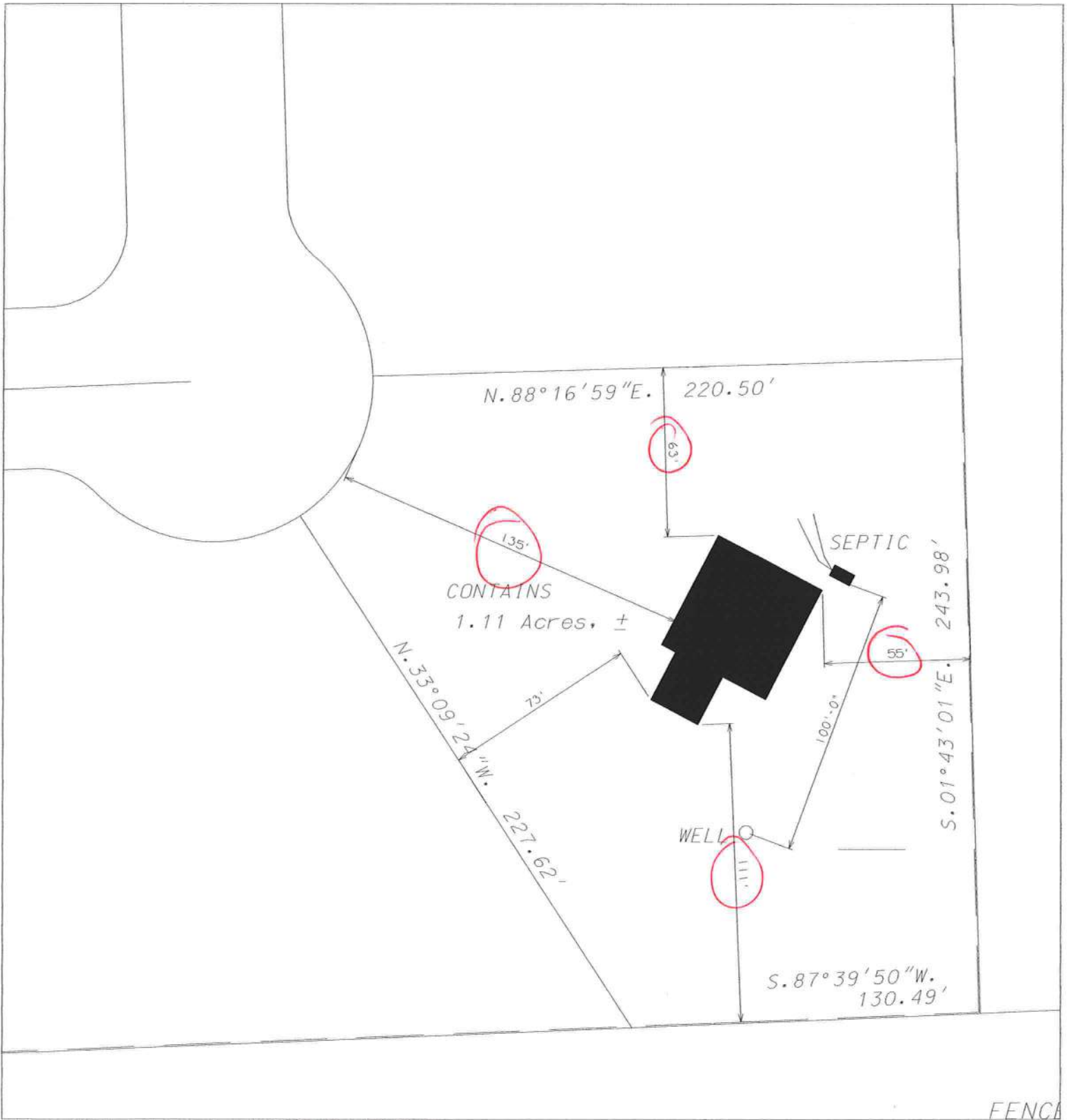
Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTACs equal to or greater than the prescribed value.

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 an 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.	☒
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	☒
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.	☒
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%.	☒
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	☒
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	☒
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.	☒





Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 20-4S-17-08583-008 - NO AG ACRE (009900)

Name: MCCRAY MICHAEL T & -013	LandVal	\$76,562.00
Site:	BldgVal	\$0.00
SANDRA MARLENE	ApprVal	\$76,562.00
365 S MARION AVE	JustVal	\$76,562.00
Mail: SUITE 102	Assd	\$76,562.00
LAKE CITY, FL 32025	Exmpt	\$0.00
Sales 6/17/2004 \$75,000.00 V / Q	Taxable	\$76,562.00
Info 7/16/1996 \$53,000.00 V / Q		

0 180 360 540 ft



This information, GIS Map Updated: 1/15/2008, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

This Instrument Prepared by & return to:
Name: KIM WATSON, an employee of
TITLE OFFICES, LLC
Address: 343 NW COLE TERRACE, SUITE 101
LAKE CITY, FLORIDA 32055
File No. 07Y-12013KW

Parcel I.D. #: 08583-008

Inst: 200712028176 Date: 12/26/2007 Time: 8:59 AM
Doc Stamp-Deed: 0.70
DC, P. DeWitt Cason, Columbia County Page 1 of 2

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 26 day of **DECEMBER**, A.D. 2007, by **MICHAEL T. MCCRAY AND SANDRA MARLENE MCCRAY, HIS WIFE**, hereinafter called the grantor, to **DUSTIN W. MCCRAY**, whose post office address is **1877 SW TOMOKA TERRACE, LAKE CITY, FLORIDA 32025**, hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of Florida**, viz:

SEE EXHIBIT "A" ATTACHED AND MADE A PART HEREOF

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 he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

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

Signed, sealed and delivered in the presence of:

Craig W. Wacha
Witness Signature
CRAG W. WACHA

Printed Name

Nancy Coker
Witness Signature
Nancy Coker
Printed Name

Michael T. McCray
MICHAEL T. MCCRAY
Address:

Sandra Marlene McCray
SANDRA MARLENE MCCRAY

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 26 day of **DECEMBER**, 2007 by **MICHAEL T. MCCRAY AND SANDRA MARLENE MCCRAY, HIS WIFE**, who is known to me or who has produced _____ as identification.

Lisa T. Richardson
Notary Public
My commission expires July 20, 2011



LISA T. RICHARDSON
Commission DD 654708
Expires July 20, 2011
Bonded Through Fidelity Insurance 800-360-7019

EXHIBIT "A"

PARCEL A: A PART OF THE NE¼ OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SE CORNER OF THE N¼ OF THE NE¼ OF SAID SECTION 20 AND RUN S 87°36'13" W, ALONG THE SOUTH LINE THEREOF, A DISTANCE OF 1416.88 FEET; THENCE N 1°42'26" W, A DISTANCE OF 360.84 FEET; THENCE S 87°36'13" W, A DISTANCE OF 398.07 FEET TO A CONCRETE MONUMENT MARKING THE SE CORNER OF LANDS DESCRIBED AS PARCEL "B" IN OFFICIAL RECORDS BOOK (ORB) 1020, PAGE 158 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA AND THE POINT OF BEGINNING; THENCE S 87°39'50" W, ALONG THE MONUMENTED SOUTH LINE OF SAID LANDS, A DISTANCE OF 130.49 FEET TO A CONCRETE MONUMENT, LS 4708; THENCE N 33°09'24" E, A DISTANCE OF 227.62 FEET TO A CONCRETE MONUMENT, LS 4708 ON A CURVE BEING A CUL-DE-SAC CONCAVE TO THE NORTH HAVING A RADIUS OF 60.00 FEET AND A CENTRAL ANGLE OF 58°33'38" AND BEING SUBTENDED BY A CHORD HAVING A CHORD BEARING OF N 27°33'48" E, AND A CHORD LENGTH OF 58.69 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 61.32 FEET TO A CONCRETE MONUMENT, LS 4708; THENCE N 88°16'59" E, A DISTANCE OF 220.50 FEET TO A CONCRETE MONUMENT, LS 4708, SET ON THE MONUMENTED EAST LINE OF THE AFOREMENTIONED PARCEL "B"; THENCE S 01°43'01" E, ALONG SAID EAST LINE, A DISTANCE OF 243.95 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS A STRIP OF LAND DESCRIBED AS FOLLOWS:

PART OF THE NE¼ OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SE CORNER OF THE N¼ OF THE NE¼ OF SAID SECTION 20 AND RUN S 87°36'13" W, ALONG THE SOUTH LINE THEREOF, 1416.88 FEET; THENCE N 1°42'26" W, 360.84 FEET; THENCE S 87°36'13" W, 398.07 FEET TO A CONCRETE MONUMENT MARKING THE SE CORNER OF LANDS DESCRIBED AS PARCEL "B" IN OFFICIAL RECORDS BOOK (ORB) 1020, PAGE 158 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA; THENCE S 87°39'50" W, ALONG THE MONUMENTED SOUTH LINE OF SAID LANDS, 809.79 FEET TO A CONCRETE MONUMENT ON THE EASTERLY RIGHT OF WAY OF COUNTY ROAD #131; THENCE N 1°43'36" W, ALONG SAID EASTERLY RIGHT OF WAY LINE A DISTANCE OF 217.01 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT; THENCE S 87°39'50" E, ALONG THE SOUTHERLY LINE OF SAID EASEMENT, A DISTANCE OF 462.56 FEET TO A POINT OF CURVE OF A CURVE CONCAVE TO THE SW HAVING A RADIUS OF 30.00 FEET AND A CENTRAL ANGLE OF 48°11'23" AND BEING SUBTENDED BY A CHORD HAVING A BEARING OF S 88°14'29" E, AND A CHORD LENGTH OF 24.49 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 25.23 FEET TO A CONCRETE MONUMENT, LS 4708, MARKING A POINT OF REVERSE CURVE WITH A CURVE BEING A CUL-DE-SAC HAVING A RADIUS OF 60.00 FEET AND A CENTRAL ANGLE OF 138°11'23" AND BEING SUBTENDED BY A CHORD HAVING A BEARING OF N 66°45'31" E AND A CHORD LENGTH OF 112.10 FEET; THENCE EASTERLY ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 144.71 FEET; THENCE S 87°39'50" W, A DISTANCE OF 589.32 FEET TO THE EASTERLY RIGHT OF WAY OF STATE ROAD #131; THENCE S 1°43'36" E, ALONG SAID RIGHT OF WAY, A DISTANCE OF 30.00 FEET TO THE POINT OF BEGINNING.

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY
FOR USE OF IMMEDIATE FAMILY MEMBERS
FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Sandra Marlene McCray, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Dustin Wayne McCray, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as child son, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.
2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. ~~07-45-17-08-110-001~~
20-45-17-08583-008.
3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.
4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. ~~07-45-17-08-110-001~~
20-45-17-08583-003.
5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.
6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

7. This Affidavit is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the information contained in this Affidavit are true and correct.

Sandra marlene mcCray Dustin Wayne Mcclay
Owner Family Member

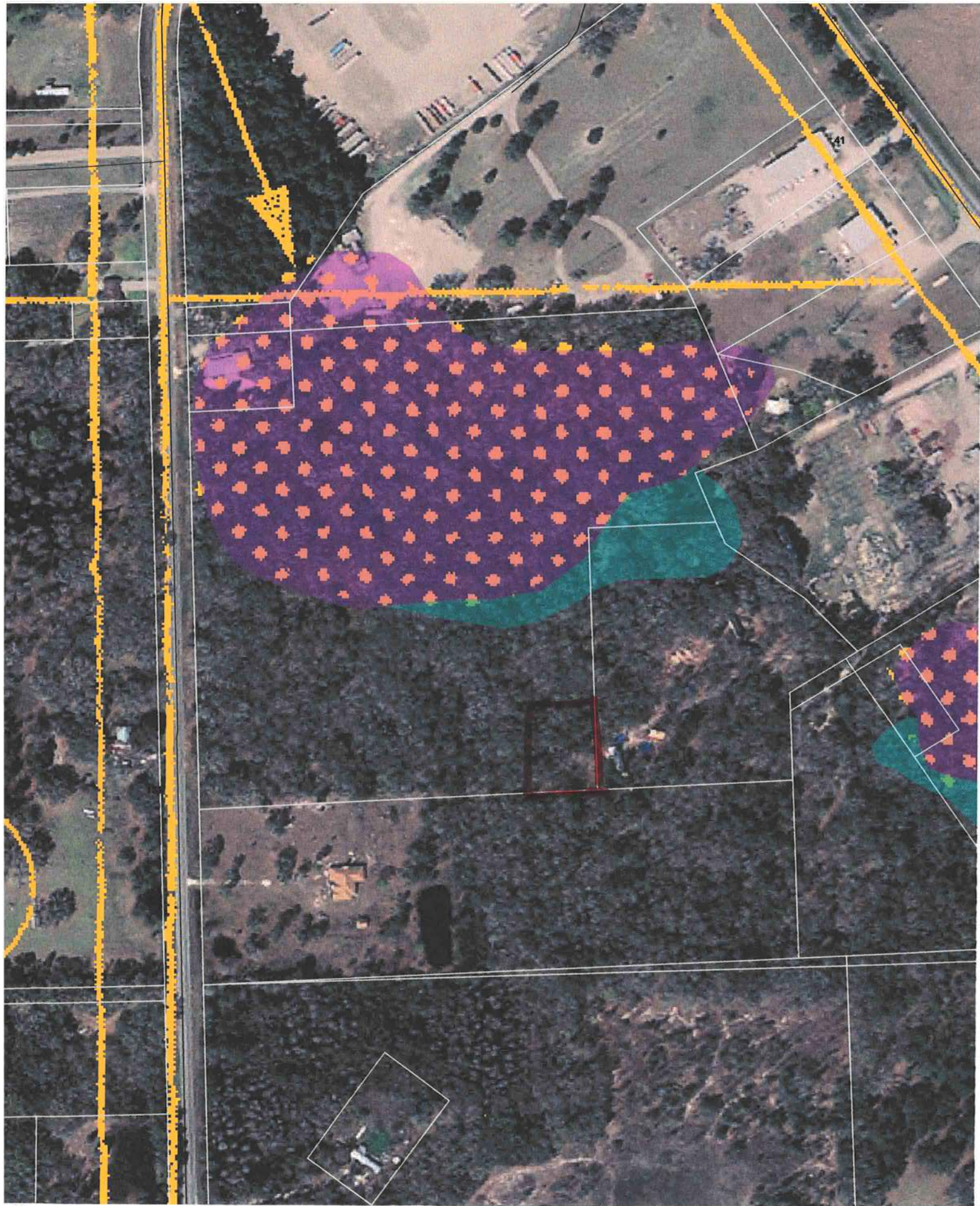
Sandra marlene mcCray Dustin Wayne mcCray
Typed or Printed Name Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 18th day of January, 2008, by Sandra marlene mcCray (Owner) who is personally known to me or has produced _____ as identification.

Lisa J. Richardson
Notary Public  LISA T. RICHARDSON
Commission DD 654708
Expires July 20, 2011
Bonded Thru Troy Fain Insurance 800-385-7019

Subscribed and sworn to (or affirmed) before me this 18th day of January, 2008, by Dustin Wayne mcCray (Family Member) who is personally known to me or has produced _____ as identification.

Lisa J. Richardson
Notary Public  LISA T. RICHARDSON
Commission DD 654708
Expires July 20, 2011
Bonded Thru Troy Fain Insurance 800-385-7019



0712-73

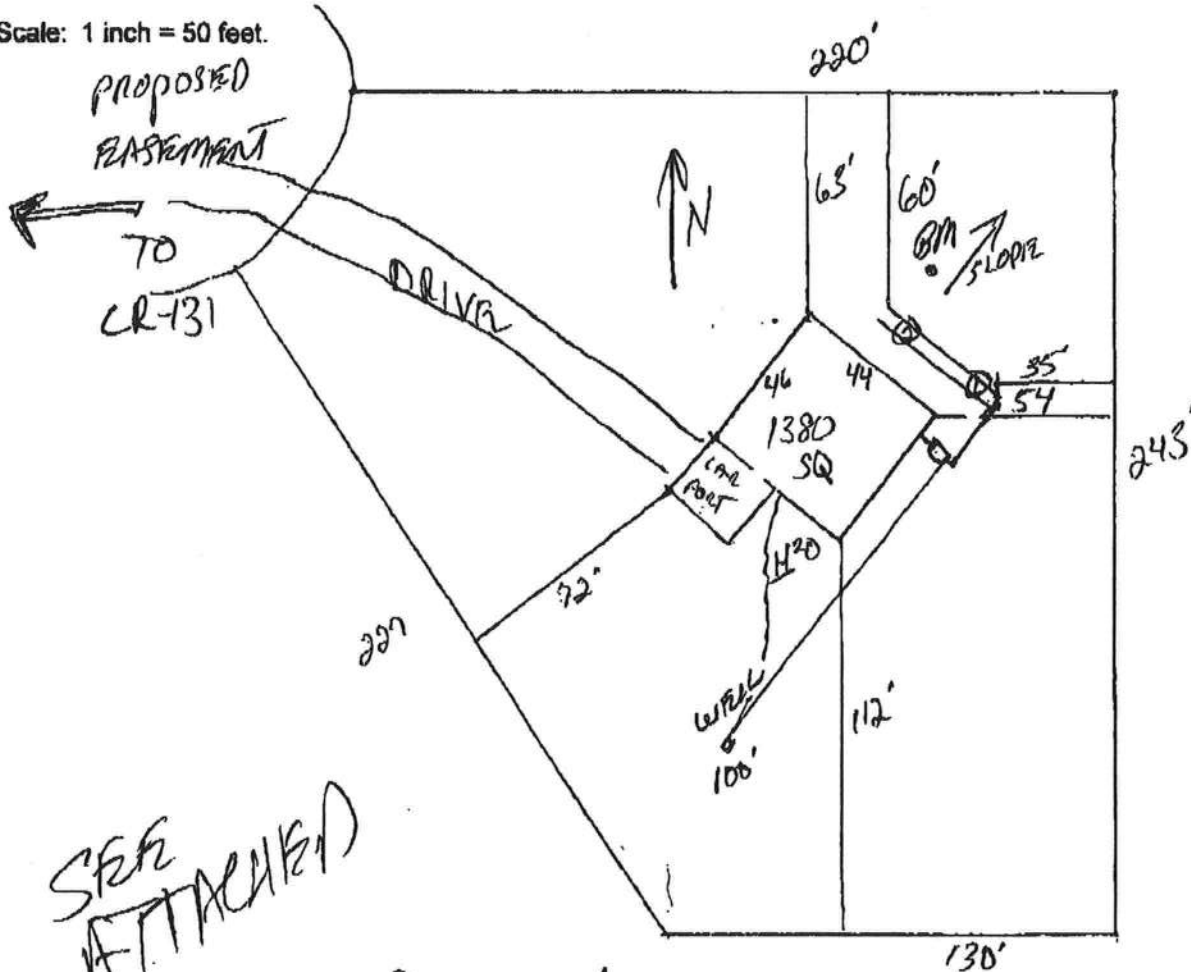
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0971

McCrory

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



SEE ATTACHED

Notes: 1.11 of 20 Acres

Site Plan submitted by: Rock D F D

MASTER CONTRACTOR

Plan Approved ☒

Not Approved ☐

Date 12-19-07

By Mr Jh

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

Page 2 of 4

074-12013

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
343 NW COLE TERRACE
SUITE 101
LAKE CITY, FLORIDA 32055

Parcel I.D. #: 08583-008

Permit # 26662

Inst: 200812003561 Date: 12/2/2008 Time: 3:51 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 3

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

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. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recording.

1. Description of property: (Legal description of property, and street address if available)
581 SW TUSTENUGGEE AVENUE, LAKE CITY, FLORIDA 32025
SEE EXHIBIT "A" ATTACHED AND MADE A PART HEREOF
2. General description of improvement: **construction of single family dwelling**
3. Owner information:
 - a. Name and address:
DUSTIN W. MCCRAY
1877 SW TOMOKA TERRACE, LAKE CITY, FLORIDA 32025
 - b. Interest in property: **Fee Simple**
 - c. Name and Address of Fee Simple Titleholder (if other than owner):
4. Contractor: (Name and Address)
HAYGOOD HOMES, INC.
12592 S. US HWY. 441, LAKE CITY, FLORIDA 32025
Telephone Number: **(386) 752-3496**
5. Surety (if any):
 - a. Name and Address:
Telephone Number: _____
 - b. Amount of Bond \$ _____
6. Lender: (Name and Address)
PEOPLES STATE BANK
350 SW MAIN BLVD., LAKE CITY FL 32025
Telephone Number: **386-754-0002**
7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)(7), Florida Statutes: (Name and Address)
N/A
8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
COLUMBIA COUNTY, FLORIDA (SHIP)
P.O. BOX 70, LIVE OAK, FLORIDA 32064
Telephone Number: **386-362-4115**
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.

Signature of Owner(s) or Owner's Authorized Officer/Director/Partner/Manager:

Dustin W. McCray (SEAL) _____ (SEAL)
DUSTIN W. MCCRAY

The foregoing instrument was acknowledged before me this 20th day of February, 2008, by Dⁿ STIN W. MCCRAY, who is personally known to me or who has produced _____ as identification.

Martha Bryan
Notary Public
My Commission Expires: _____



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McCray Residence, Columbia County FL

Wind Load Analysis Requirements

(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

Description of New Residence:

Footprint: 46'0" wide x 44'0" deep overall with a 6' full-width front porch and 8' full-width rear porch and a 20'x 20' Carport attached to right side(See Plan # 0706 by Haygood Homes Inc.)

Walls: 2x4's - 16" O.C. with 7/16" OSB sheathing minimum, hardiplank lap siding and ½" gypsum wall board interior.

Roof Structure: Pre-engineered roof trusses and 7/16" OSB sheathing (min.)

Roof Type: Gable (analyzed for 1'4" eave overhang, porch areas and carport)

Foundation: footer with stemwall & slab construction,

Windload Data and Exposure:

Basic Wind Speed = 100 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 = 15' 6"

Roof Cross Slope = 3.5:12 & 7:12

Eave Overhang= (Analyzed for 1'4" eave overhang, porch areas and carport)

Wall Height = 8'

Shear Wall locations = exterior walls (all walls 3' in length or greater)

Bracing method for gable locations = framing from wall to roof diaphragm(see attached detail)

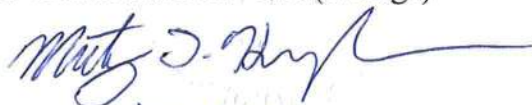
Nailing Pattern Requirements:

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 required 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 areas and 6" on center elsewhere.

Carport: Attach 1x4 lathing 2' O.C. perpendicular to the bottom chord of the carport trusses and nail with 2-10d nails each location.

Top wall plate: Nail with 1-16d common nail 12" O.C.(average)


12-17-07

Strapping and Anchor Requirements:

truss to exterior wall plate and porch beam 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 door and window 4' or less in width. At top and bottom of wall for windows or doors larger than 4' in width install two Simpson model SP4's each side of each opening. All other wall locations install SP4's top and bottom of wall 4' on center. Frame Carport beam into exterior wall and install 1-5/8" x 10" anchor bolt at slab and install Simpson CNW5/8 coupler with 5/8" all-thread to top of wall with a 2" washer and nut.

Front and Rear Porch Columns: Install Simpson model ABU66 and notch column at top for porch beam, install 2 - 5/8" carriage bolts through top of column and porch beam.

Caport Columns: Carport columns shall be 6" x 6" SYP PT columns and shall be installed in a 18"x 18" x 36" deep concrete footer with 2-5"x 1/2" lag bolts drilled in the bottom of the column or 2 - 10" x #5 rebar installed in the bottom of the column. Notch columns at the carport header beam and install 2 - 5/8" carriage bolts each location.

Lookouts: Install one Simpson model H5 where lookouts connect to end gable truss.

Gable end: Install one LSTA18 - 4' on center connecting gable end truss to wall framing.

Gable End Bracing Requirements:

At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss approx. 45 degrees to truss at roof sheathing, nail with 2 -12d nails where it crosses truss members and at ends. Gable end trusses shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8" on center to back of vertical member. (See attached detail)

Foundation Requirements:

Stemwall/Footer: Minimum size of footer shall be 10 x 20" wide with 2-#5 rebar continuous and 1-#5 vertical rebar 5' on center. All cells shall be filled with concrete. 1/2" anchor bolts with 2" washers shall be installed 3' on center and 9" from corners each way and at each side of door openings. (3000 psi concrete min.)(Note: foundation designed using an allowable bearing pressure of 1000 psf) Footer for porches shall be the same requirements with the exception that the width of the footer may be reduced to 16".



12-17-07

Carport Column Footer:

Carport Columns shall be installed in a 18"x18" x 36" deep concrete footer.(see previous page for anchorage requirements)

Carport slab:

Thicken edge of carport slab to 10"x 10" and slope to slab.

Header Requirements:

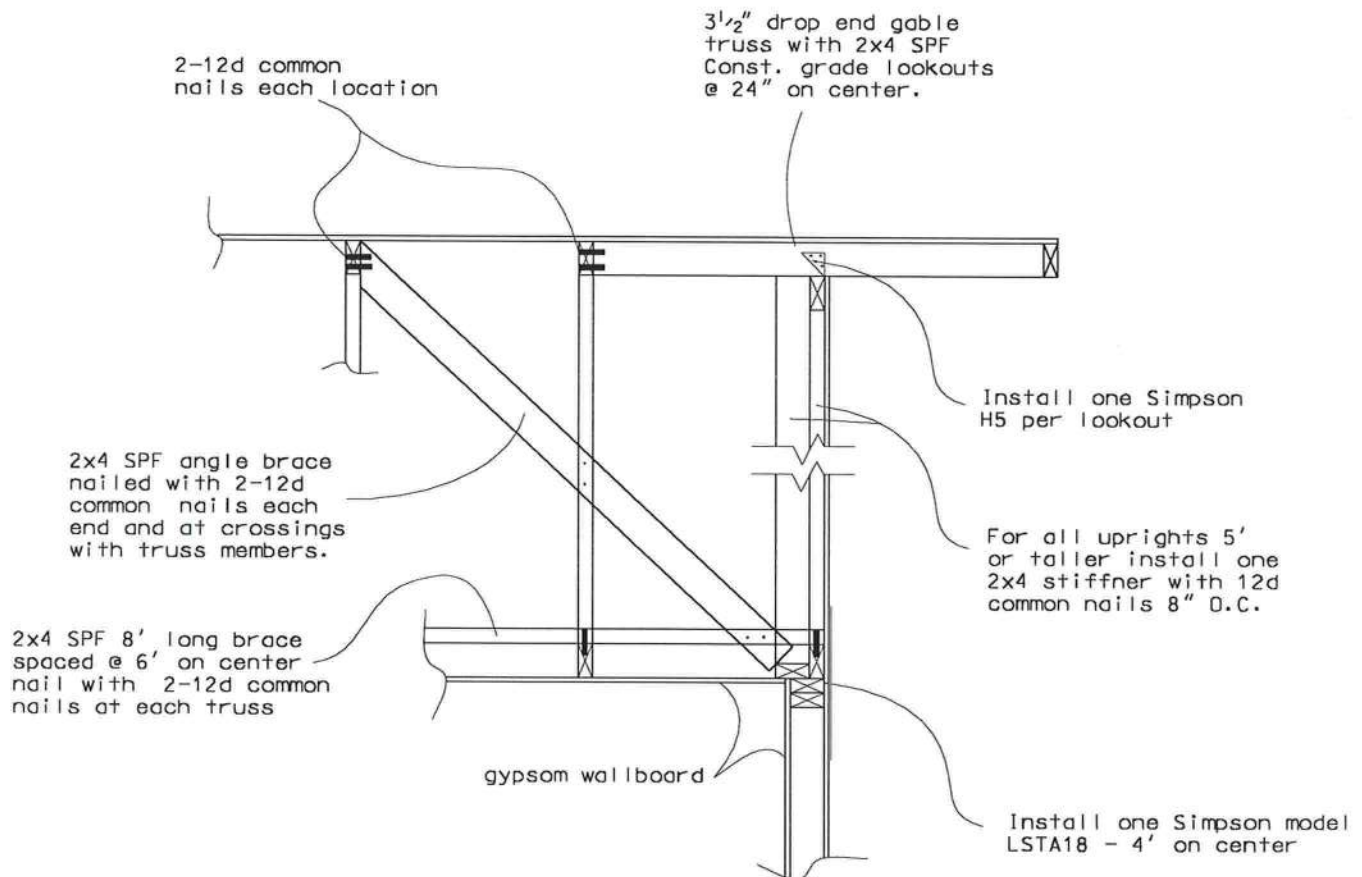
Windows & Doors: Header shall be 2-#2 SYP 2x12's with ½" plywood/OSB between.
Nail beams together with 12d common nails 12" O.C. top and bottom.

Porches: Minimum header shall be 2-#2 SYP 2x10's. Nail beams together with 12d nails 12" O.C. top and bottom.

Carport: Minimum header shall be 2 - #2 SYP 2x12's. Nail beams together with 12d nails 12" O.C. top and bottom.

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

Marty J. Kelly
12-17-07



GABLE END BRACING DETAIL (N.T.S.)

Marty J. Humphries
12-17-07.

McCray Residence
Columbia County, FL

DETAIL PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

NEW! The H2.5A is symmetrically 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.

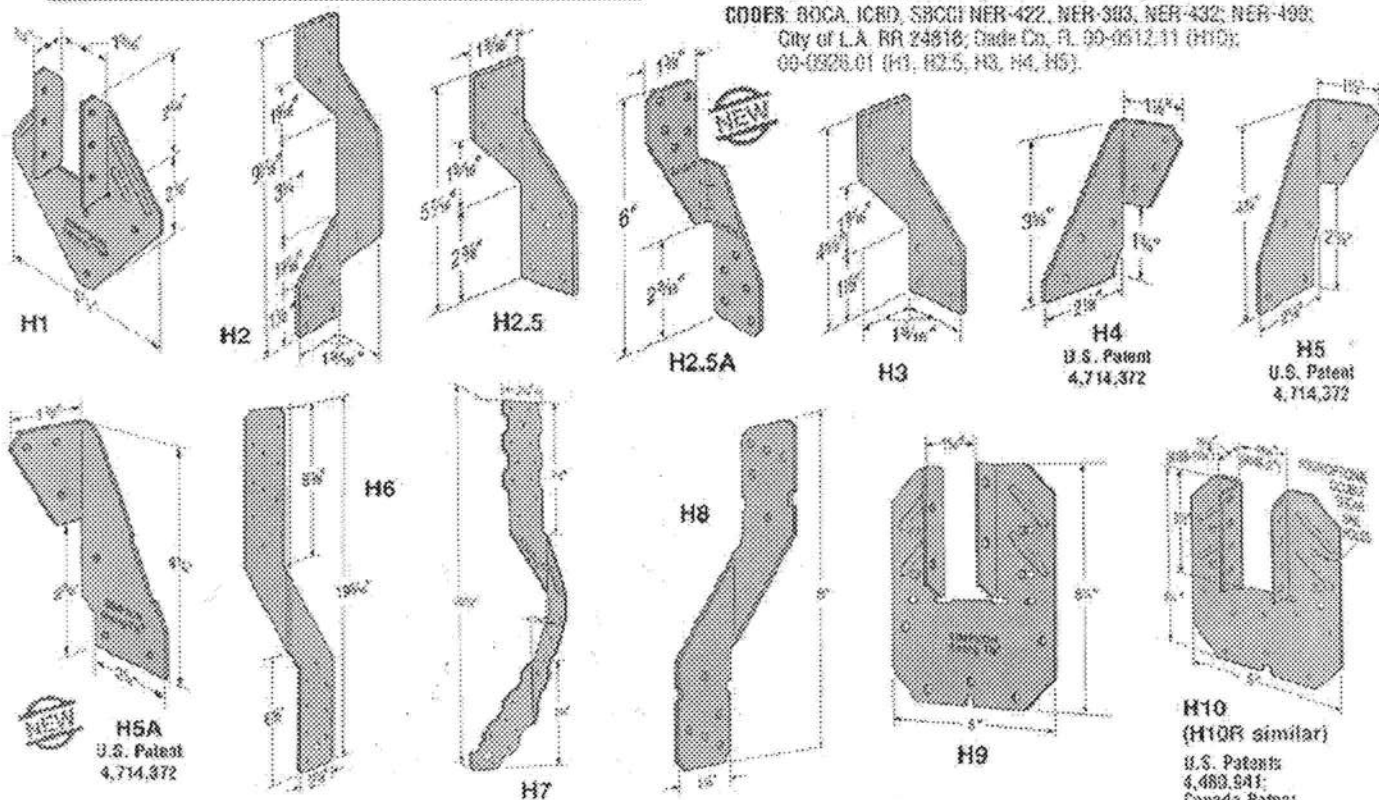
MATERIAL: See table

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

INSTALLATION: • Use all specified fasteners. See General Notes.

- 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-383, NER-432, NER-498;
City of L.A. RA 24816; Sade Co., FL 90-0512.11 (H10);
00-0326.01 (H1, H2.5, H3, H4, H5).



Model No.	Ga	Fasteners			Doug-Fir Larch/Spr. Pine Allowable Loads ^{1,2}				Uplift Load with 8d x 1 1/2 Nails (133 & 160)		Spruce-Pine-Fir Allowable Loads ^{1,2}				Uplift Load with 8d x 1 1/2 Nails (133 & 160)	
		To Rafters/Truss	To Plates	To Studs	Uplift Avg. (133)	Uplift (160)	F ₁ (133)	F ₂ (160)	Uplift (133)	Uplift (160)	Uplift (133)	Uplift (160)	F ₁ (133)	F ₂ (160)	Uplift (133)	Uplift (160)
H1	18	6-8d x 1 1/2	4-8d	---	1956	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	130	150	415	365	365	130	130	365	---
H2.5A	18	5-8d	5-8d	---	1733	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	155	160	360	235	235	140	135	235	---
H5	16	4-8d	4-8d	---	1485	455	465	115	200	455	285	285	100	170	285	---
H5A	18	3-8d	3-8d	---	1500	350	420	115	180	280	245	245	100	120	170	---
H6	18	---	8-8d	8-8d	3983	915	950	650	---	---	785	820	660	---	---	---
H7	18	4-8d	2-8d	8-8d	2991	930	985	400	---	---	800	845	345	---	---	---
H8	18	5-10d x 1 1/2	5-10d x 1 1/2	---	2422	620	745	---	---	---	530	585	---	---	---	---
H9KT	18	4-8d x 1 1/2	5-8d x 1 1/2	---	2812	875	875	680	125	---	755	755	680	125	---	---
H10	18	8-8d x 1 1/2	8-8d x 1 1/2	---	3135	905	990	585	525	---	780	850	505	450	---	---
H10R	18	8-8d x 1 1/2	8-8d x 1 1/2	---	3135	905	990	585	525	---	780	850	505	450	---	---
H10-2	18	6-10d	6-10d	---	2447	780	760	655	395	---	655	655	330	340	---	---
H11Z	18	6-16d x 2 1/2	6-16d x 2 1/2	---	5597	830	830	525	700	---	715	715	450	655	---	---

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 2 1/2" must be used when framing anchors are installed on each side of the joint and on the same side of the plate.

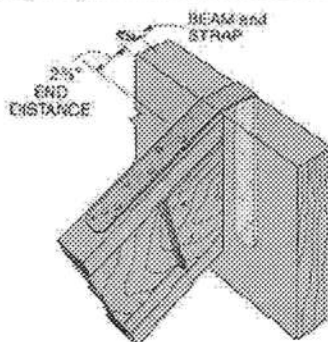
3. Allowable uplift load for stud to bottom plate installation is 400 lbs (H2.5), 380 lbs (H2.5A), 390 lbs (H4) and 370 lbs (H8).

4. The H9KT is sold in 20 piece packs with screws.

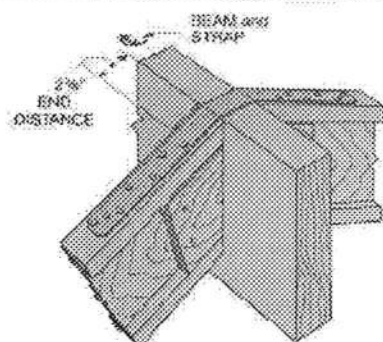
5. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.

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.

Model No.	Ga	Dimensions		Fasteners (Total)		Allowable Tension Loads		
		W	L	Nails		Floor (100)	(133)	(160)
RPS18	16	1 1/2	18 1/2	12-16d		810	1080	1295
RPS22		1 1/2	22 1/2	16-10d		905	1205	1445
RPS28		1 1/2	28 1/2	12-16d		810	1080	1295
LSTA9		1 1/2	9	8-10d		450	605	725
LSTA12		1 1/2	12	10-10d		565	755	905
LSTA15	20	1 1/2	15	12-10d		680	905	1085
LSTA18		1 1/2	18	14-10d		790	1055	1265
LSTA21		1 1/2	21	16-10d		905	1205	1295
LSTA24		1 1/2	24	18-10d		1015	1285	1295
ST292		2 1/2	9 1/2	12-16d		790	1055	1130
ST2122	20	2 1/2	12 1/2	16-10d		1075	1425	1505
ST2115		2 1/2	15 1/2	10-16d		450	600	600
ST2215		2 1/2	18 1/2	20-10d		1270	1695	1695
LSTA30		1 1/2	30	22-10d		1255	1670	1715
LSTA36		1 1/2	36	26-10d		1480	1715	1715
LST149	18	3 1/2	49	32-10dx1 1/2		1455	1940	2330
LST173		3 1/2	73	48-10dx1 1/2		2185	2910	3495
MSTA9		1 1/2	9	8-10d		455	610	730
MSTA12		1 1/2	12	10-10d		570	760	910
MSTA15		1 1/2	15	12-10d		685	910	1095
MSTA18	20	1 1/2	18	14-10d		800	1065	1275
MSTA21		1 1/2	21	16-10d		910	1215	1460
MSTA24		1 1/2	24	18-10d		1025	1370	1640
MSTA30		1 1/2	30	22-10d		1265	1685	2025
MSTA36		1 1/2	36	26-10d		1495	1995	2135
ST6215	16	2 1/2	15 1/2	20-16d		1930	1775	2130
ST6224		2 1/2	23 1/2	28-16d		1890	2520	2830
ST9		1 1/2	9	8-16d		530	705	850
ST12		1 1/2	11 1/2	10-16d		565	865	1065
ST18		1 1/2	17 1/2	14-16d		900	1200	1200
ST22	14	1 1/2	21 1/2	18-16d		1025	1370	1370
MSTC28		3	28 1/2	36-16d sinkers		2070	2760	3310
MSTC40		3	40 1/2	52-16d sinkers		2990	3965	4740
MSTC52		3	52 1/2	62-16d sinkers		3555	4740	4740
MSTC66		3	65 1/2	76-16d sinkers		4390	5855	5855
MSTC78	12	3	77 1/2	76-16d sinkers		4390	5855	5855
ST6236		2 1/2	35 1/2	40-16d		2575	3430	3430
FHA6		1 1/2	6 1/2	8-16d		550	735	885
FHA9		1 1/2	9	8-16d		550	735	885
FHA12		1 1/2	11 1/2	8-16d		550	735	885
FHA16	12	1 1/2	17 1/2	8-16d		550	735	885
FHA24		1 1/2	23 1/2	8-16d		550	735	885
FHA33		1 1/2	30	8-16d		550	735	885
MST126		2 1/2	26	26-10dx1 1/2		1130	1510	1810
MST136		2 1/2	36	36-10dx1 1/2		1565	2090	2505
MST148	10	2 1/2	48	48-10dx1 1/2		2135	2850	3420
MST160		2 1/2	60	60-10dx1 1/2		2760	3680	4415
MST172		2 1/2	72	72-10dx1 1/2		3310	4415	4725



Typical LSTA Installation
(hanger not shown)

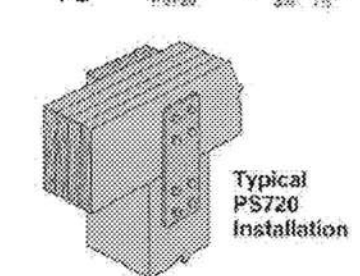
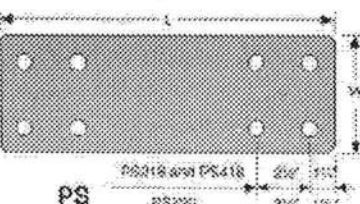
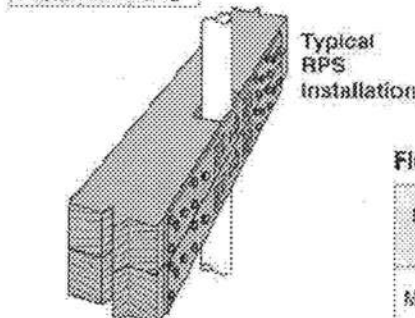


Typical LSTA Installation
(hanger not shown)

Model No.	Plate	Notch Width
RPS18	2x4	< 8 1/2"
RPS22	2x6	< 5 1/2"
RPS28	2x4	< 12"



RPS



Model No.	Ga	Dimensions		Bolts	
		W	L	Qty	Dia
PS216 ^o	7	2	16	4	1/2
PS418 ^o		4	18	4	3/4
PS720 ^o		6 1/2	20	6	1

Floor-to-Floor Clear Span Table

Model No.	Clear Span	Fasteners (Total)	Allowable Tension Load	
			(133)	(160)
MSTC28	16	12-16d sinker	920	1105
MSTC40	16	16-16d sinker	1225	1470
MSTC40	18	26-16d sinker	2145	2575
MSTC40	18	36-16d sinker	2455	2945
MSTC52	18	44-16d sinker	3375	4050
MSTC66	18	48-16d sinker	3680	4415
MSTC66	18	64-16d sinker	5035	5855
MSTC66	18	68-16d sinker	5350	5855
MSTC78	18	80-16d sinker	5855	5855
MSTC78	18	80-16d sinker	5855	5855
MST37	18	20-16d	1905	2285
MST37	18	28-16d	2100	2515
MST48	18	32-16d	2135	2765
MST48	16	34-16d	3330	4000
MST60	16	48-16d	4795	5740
MST60	16	48-16d	4990	5800
MST72	18	56-16d	5800	5800
MST72	18	56-16d	5900	5900
MST126	18	14-10dx1 1/2	910	975
MST126	18	16-10dx1 1/2	930	1115
MST148	18	26-10dx1 1/2	1545	1855
MST148	16	28-10dx1 1/2	1660	1990
MST160	18	36-10dx1 1/2	2330	2800
MST160	16	40-10dx1 1/2	2455	2945
MST172	18	50-10dx1 1/2	3065	3680
MST172	18	52-10dx1 1/2	3190	3830

Straps & Ties

Model No.	Gs	Dimensions		Fasteners (Total)			Allowable Tension Loads					
		W	L	Nails		Bolts	Nails			Bolts ²		
				Qty	Dia		Floor (100)	(133)	(160)	Floor (100)	(133)	(160)
MST27	12	2 1/2	27	30-16d	4	1/2	2070	2760	2790	1295	1725	2070
MST37		2 1/2	37 1/2	42-16d	6	1/2	2860	3815	3815	1825	2435	2920
MST48		2 1/2	48	48-16d	8	1/2	3345	4460	4460	2225	2970	3550
MST60	10	2 1/2	60	56-16d	10	1/2	4350	5800	5800	2670	3565	4375
MST72		2 1/2	72	56-16d	10	1/2	4350	5800	5800	2670	3585	4275
HST2	7	2 1/2	21 1/2	----	8	3/4	----	----	----	3130	4175	5003
HST5		5	21 1/2	----	12	3/4	----	----	----	6385	8510	10210
HST3		3	25 1/2	----	6	3/4	----	----	----	4645	6195	7435
HST5	3	8	25 1/2	----	12	3/4	----	----	----	9350	12465	14955

1. Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed. Floor loads may not be increased for other load durations.
2. 16d x 1 1/2" nails may be substituted when 16d sinkers are specified at 0.80 of the table loads.
3. 10d commons may be substituted where 16d sinkers are specified at 100% of table loads.
4. 16d sinkers (9 gauge x 3 1/4") or 10d commons may be substituted where 16d commons are specified at 0.84 of the table loads.
5. Allowable bolt loads are based on parallel-to-grain loading and these minimum member thicknesses: MST-2 1/2"; HST2 and HST5-4"; HST3 and HST6-4 1/2".
6. PS strap design loads must be determined by the building designer for each installation. Bolts are installed both perpendicular and parallel-to-grain.
7. Use half of the nails at each member being connected to achieve the listed loads.

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.

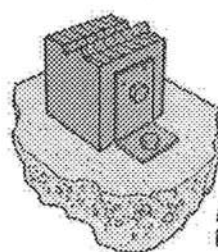
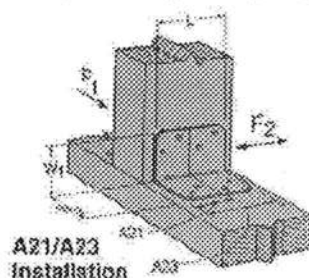
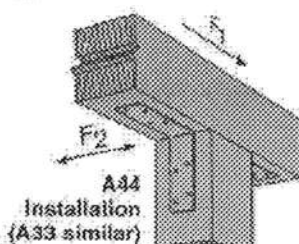
CODES: BOCA, ICBO, SBCCI NER-421 (except A33, A44); City of L.A.

RR 25079 (except A33, A44); Dade Co. FL 99-0623.04 (A21 and A23).

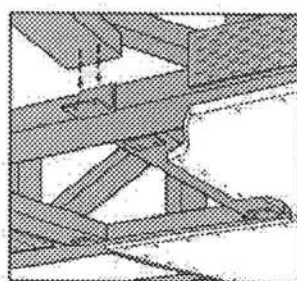
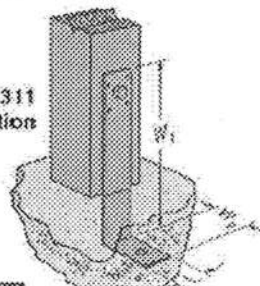
Model No.	Dimensions			Fasteners				Avg Ullt F ₂	Allowable Loads DF/SP			
	W ₁	W ₂	L	Base		Post			(133)		(160)	
				Bolts	Nails	Bolts	Nails		F ₁	F ₂	F ₁	F ₂
A21	2	1½	1½	—	2-16dx1½	—	2-10dx1½	540	245	175	290	175
A23	2	1½	2½	—	4-10dx1½	—	4-10dx1½	1767	485	485	585	585
A33	3	3	1½	—	4-10d	—	4-10d	2635	625	330	750	330
A44	4½	4½	1½	—	4-10d	—	4-10d	2460	625	295	750	295
A66	5½	5½	1½	2-½	—	2-½	—	N/A	N/A	N/A	N/A	N/A
A88	8	8	2	3-½	—	3-½	—	N/A	N/A	N/A	N/A	N/A
A24	3½	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

Model No.	Ga	Dimensions				Fasteners ¹ (Total)	Avg Ullt	Allowable Download (125)
		W	H	6	TF			
Z2	20	2½	1½	1½	1½	4-10d x 1½	1507	465
Z4	12	1½	3½	2½	1½	2-16d	1450	465
Z6	12	1½	5½	2	1½	2-16d	1517	485
Z28	28	2½	1½	1½	1½	10d x 1½	—	—
Z38	28	2½	2½	1½	1½	10d x 1½	—	—
Z44	12	2½	3½	2	1½	4-16d	2800	865

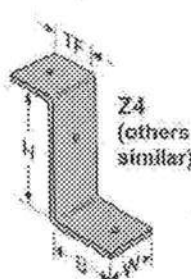
1. Z28 and Z38 do not have nail holes. Fastener quantities are as required.
2. Allowable loads have been increased 25% for roof loading (Z clips), 33% and 60% for earthquake or wind loading (A angles); no further increase allowed. Reduce for other load durations according to the code.
3. Z4 and Z6 loads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



A311 Installation



Typical Z2 Installation



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-495;

SBCCI 9603A; City of L.A. RR 25318 (RSP4); Dade Co. FL

99-0623.04 (SP1, SP2, SP4, SP6, SP8).

Model No.	Dimensions		Fasteners		Avg Ullt	Allowable Uplift Loads DF/SP	
	W	L	Stud ¹	Plate		(133) ²	(160) ²
SP1	3½	5½	8-10d	4-10d	1950	685	885
SP2	3½	6½	8-10d	6-10d	3300	890	1055
SP3	4½	6½	8-10d	8-10d	3487	890	1055
SP4	8½	7½	6-10d x 1½	—	2917	735	885
SP5	4½	5½	8-10d	4-10d	1950	685	885
SP6	5½	7½	6-10d x 1½	—	2917	735	885
SP8	7½	8½	8-10d x 1½	—	2917	735	885
SPH4	3½	8½	10-10d x 1½	—	5993	1240	1240
			12-10d x 1½	—	4470	1360	1360
SPH6	5½	9½	10-10d x 1½	—	3093	1240	1240
			12-10d x 1½	—	4470	1360	1360
SPH8	7½	8½	10-10d x 1½	—	3936	1240	1240
			12-10d x 1½	—	4470	1360	1360
RSP4 (1)	2½	4½	4-8d x 1½	4-8d x 1½	1032	315	315
RSP4 (2)	3½	4½	4-8d x 1½	4-8d x 1½	1445	450	450

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).

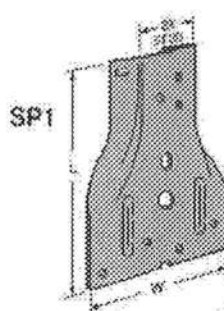
2. Allowable loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.

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.

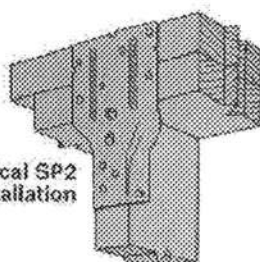
6. When cross-grain loading or cross-grain tension cannot be avoided, mechanical reinforcement



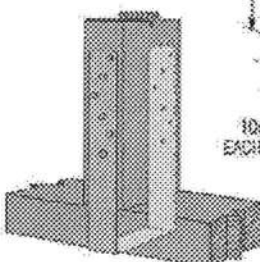
Typical SPH Installation (SP4, 6, 8 similar)



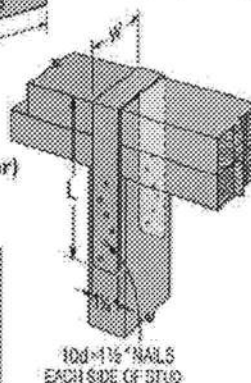
Typical SP2 Installation



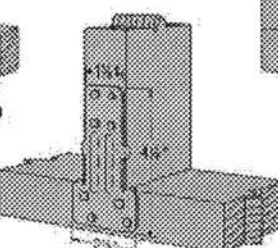
Typical SP5 Installed



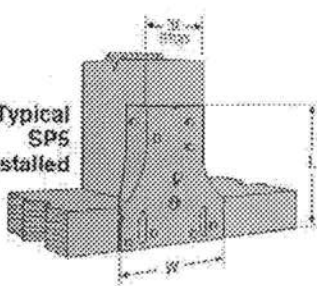
Typical SPH4 Stud to Single Bottom Plate



10d x 1½" NAILS EACH SIDE OF STUD



(1) Typical RSP4 Stud to Single Bottom Plate



(2) Typical RSP4 Stud to Double Top Plate

(see footnote 3)

The WRC holds rebar in position during the concrete pour.
MATERIAL: 11 gauge
FINISH: None
INSTALLATION: • Tie rebar to chair with wire twists prior to the concrete pour.



WRC2



WRC3



Typical WRC2 Installation

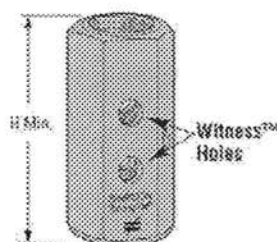
CNW COUPLER NUTS

All-thread rod is correctly installed when visible through CNW's "witness" holes. CNW's dimple provides a positive stop to allow even bolt threading top and bottom. CNW's are tested and load-rated coupler nuts. They can be used for extending anchor bolts, for example, through floor framing. CNW's meet and exceed the capacity of corresponding ASTM A307, A36, SAE1018 and Grade 2 bolts and threaded rod. Contact factory for other coupler nut sizes.
FINISH: Zinc Plated.
INSTALLATION:

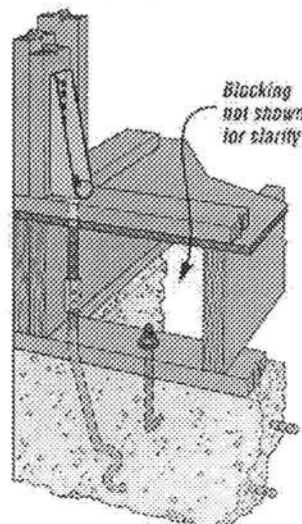
- Each rod must be threaded halfway through CNW.
- Each rod must meet at the center.
- Tighten the two rods against the central stop in the coupler nut.

CODES: See page 10 for Code Listing Key Chart.

Model No.	Rod Dia.	H Min.	Avg. Ultimate Tension Capacity	Code Ref.
CNW1/4	0.50	1 1/4	13750	180
CNW3/8	0.625	1 1/4	18071	
CNW1/2	0.75	2	32578	
CNW3/4	0.875	2 1/4	55588	



CNW allows fast visual check for correct all thread rod installation



Typical CNW Rim Joint Installation

BP/LBP BEARING PLATES

The BP/SKT uses SDS1/4 x 1 1/2 screws to provide lateral resistance when sill nuts are overdrilled (screws are provided). The shear capacity is 975 lbs. (100%) and 1300 lbs. (133%) for DFL.

Bearing Plates give greater bearing surface than standard cut washers, and help distribute the load at these critical connections.
MATERIAL: See table

FINISH: LBP, LBPS & BP/SKT—galvanized; BP—None.
 May be ordered HDG or ZMAX™; check factory.

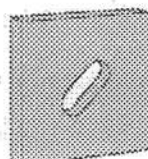
Refer to page 5 for corrosion information.

INSTALLATION: See General Notes.

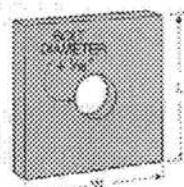
CODES: See page 10 for Code Listing Key Chart.

Model No.	Thickness	Dimensions W x L	Bolt Dia.	Code Ref.
LBP1/4	1/4	2 x 2	1/4	180
LBPS1/4	1/4	2 x 2	1/4	
LBPS1/2	1/2	3 x 3	1/2	
LBPS3/4	3/4	3 x 3	3/4	
BP1/4	1/4	2 x 2	1/4	97
BP1/2	1/2	2 x 2	1/2	190
BP3/4	3/4	2 x 2	3/4	170
BP/SKT	3/8 ga.	4 x 2	1/4	97
BP1/4	1/4	2 1/4 x 2 1/4	1/4	
BP1/2	1/2	3 x 3	1/2	
BP1	1	3 1/4 x 3 1/4	1	

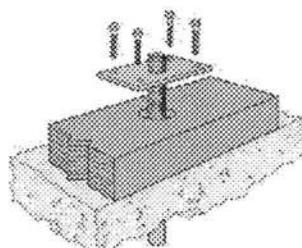
1. BP/SKT used as a kit.



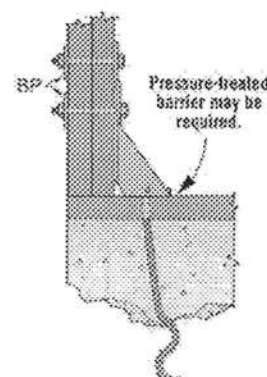
LBPS



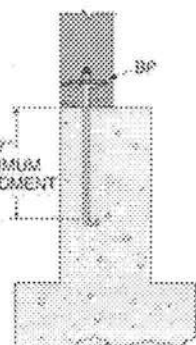
BP (LBP similar)



The BP/SKT is used when sill bolt holes are overdrilled



Typical BPs Installed with a Holdown and SSTB Anchor Bolt



Typical BP Installed with a Mudsill Anchor Bolt

AB/ABA/ABE/ABU/PBS ADJUSTABLE AND STANDOFF POST BASES

SIMPSON
Strong-Tie

The AB is a fully-adjustable post base which offers moisture protection and finished hardware appearance.

Post Bases provide tested capacity. They feature 1" standoff height above concrete floors, code-required when supporting permanent structures that are exposed to the weather or water splash, or in basements. They reduce the potential for decay at post and column ends.

MATERIAL: AB—12 ga plates; 18 ga base cover; all others—see table.

FINISH: Galvanized. Some products available in Z-MAX.

see Corrosion-Resistance, page 5.

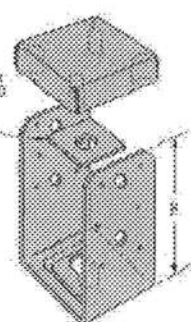
INSTALLATION: • Use all specified fasteners. See General Notes.

- Not recommended for non-top-supported installations such as fences.
- PBS embedded into wet concrete up to the bottom of the 1" standoff base plate. A 2" minimum side cover is required to obtain the full load for PBS. Holes in the bottom of the PBS straps allow for free concrete flow.
- AB—Post nail holes are sized for 10d commons. Rectangular adjustment plate assumes 1/4" dia anchorage. Supplied as shown; position the post, secure the easy-access nut, then bind up the fourth side.
- ABA, ABE and ABU—for pre-pour installed anchors. For epoxy or wedge anchors, select and install according to anchor manufacturer's recommendations; anchor diameter shown in table. Install required washer, which is not included for ABAs.
- See Simpson Anchor Systems for tested, load-rated anchors.

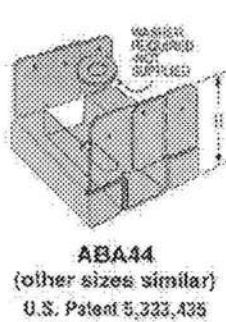
CODES: BOCA, ICBO, SBCCI NER-393, NER-422, NER-432, NER-458, NER-499; ICBO 557B; City of L.A. RR 2487B, RR 2506A, 2507A, 2515B; Dade Co FL 99-0713.05 (ABA, ABE), 99-0512.11 (ABU).

Model No.	Dimensions	Allowable Downloads (100)
W	L	
ABA44	3 3/4"	4065
ABA48	4"	4065
ABE48	3 3/4"	4165
ABU48	4"	4165
ABU88	5 1/2"	5335
ABU88R	6"	5335

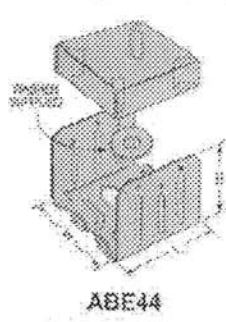
1. Loads may not be increased for short-term loading.



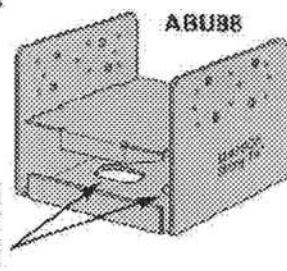
ABA44
(other sizes similar)



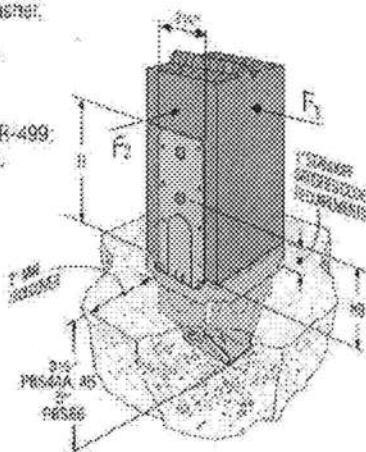
ABE44
(other sizes similar)
U.S. Patent 5,333,435



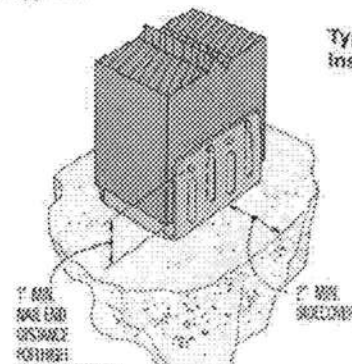
ABU44
ABE48, 48R, 66 and 66R
supplied with rectangular washer.



ABU88

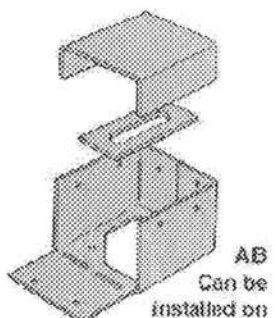


Typical PBS44A Installation



Typical ABE48R Installation for rough lumber (ABE similar)

Typical AB Installation



AB
Can be installed on existing slab

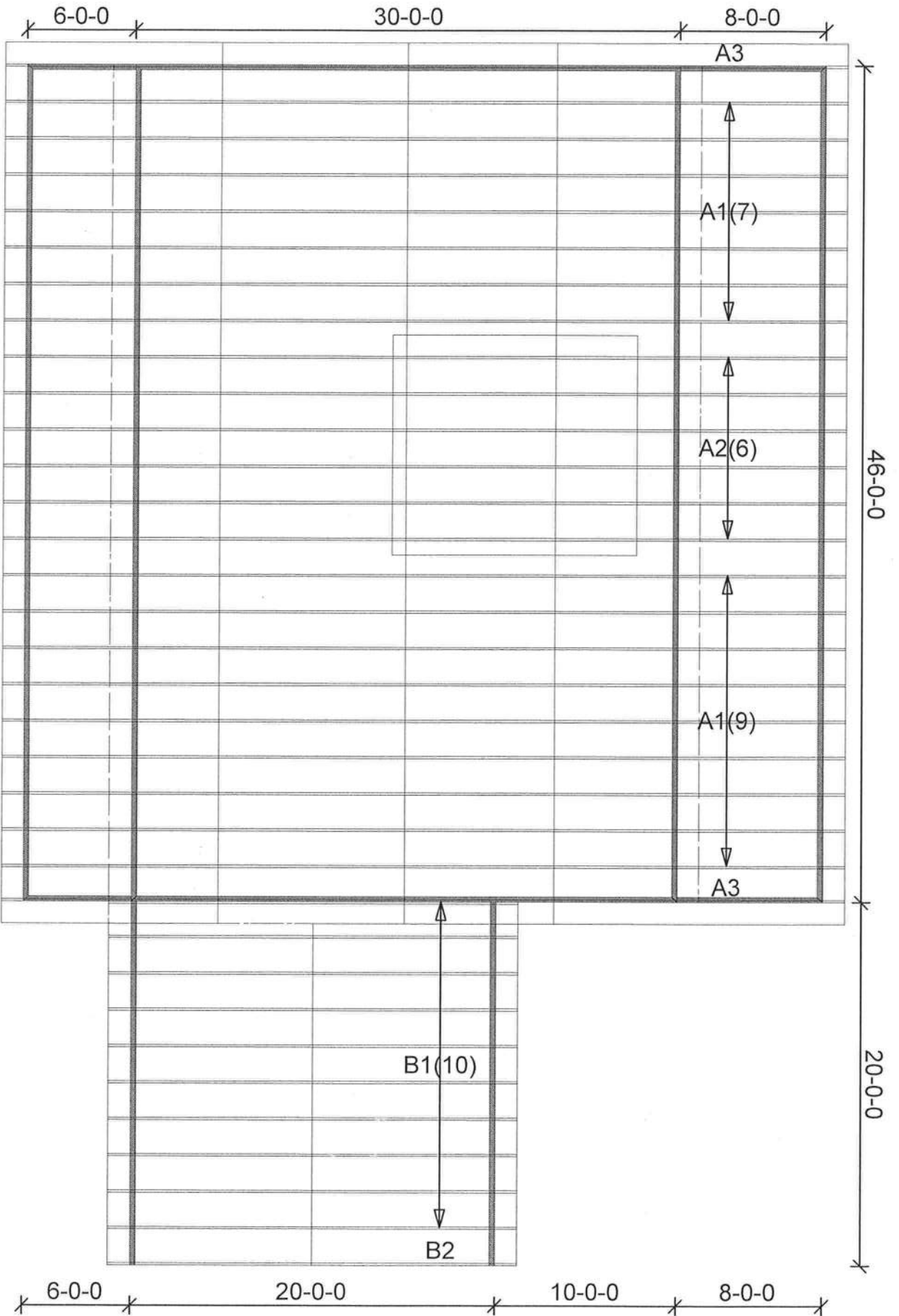
Model No.	Nominal Post Size	Material		Dimensions				Fasteners				Allowable Loads									
		Base (Ga)	Strap (Ga)	W	L	H	H8	Anch. Dia	Nails	Boils Qty	Boils Dia	Uplift Avg. LR	Uplift (133)	Uplift (160)	F ₁ (133 & 160)	F ₂ (133 & 160)	Down (100)				
ABA44	4x4	16	16	3 3/4"	3 3/4"	3 3/4"	---	1/4"	8-10d	---	---	2120	555	---	555	---	---	---	---	---	---
ABE44	4x4	16	16	3 3/4"	3 3/4"	2 1/2"	---	1/4"	8-10d	---	---	1893	520	---	520	---	---	---	---	---	---
ABU44	4x4	16	12	3 3/4"	3	5 1/2"	1 1/2"	1/4"	12-10d	2	1/4"	7833	2200	1800	2200	2160	---	---	---	---	---
PBS44A	4x4	12	14	3 3/4"	2 1/2"	6 1/2"	3 3/4"	---	14-16d	2	1/4"	7733	2400	2400	2400	2400	1165	230	885	885	5665
ABA44R RGH 4x4	16	16	4 1/2"	3 3/4"	2 1/2"	---	---	1/4"	8-10d	---	---	2120	555	---	555	---	---	---	---	---	---
ABE44R RGH 4x4	16	16	4	3 3/4"	2 1/2"	---	---	1/4"	8-10d	---	---	1893	400	---	400	---	---	---	---	---	---
ABE48	4x6	12	16	3 3/4"	6 1/2"	4 1/2"	---	1/4"	8-16d	---	---	5167	810	---	810	---	---	---	---	---	---
PBS48	4x6	12	14	3 3/4"	2 1/2"	6 1/2"	3 3/4"	---	14-16d	2	1/4"	7733	2400	2400	2400	2400	1165	360	885	885	9335
ABA48	4x6	14	14	3 3/4"	5 1/2"	3 1/2"	---	1/4"	8-10d	---	---	2907	700	---	700	---	---	---	---	---	---
ABU48	4x6	12	12	3 3/4"	5	7	2 1/2"	1/4"	12-16d	2	1/4"	8633	2255	2300	2300	2300	---	---	---	---	---
ABE48R RGH 4x6	12	16	4 1/2"	3 3/4"	5 1/2"	3 1/2"	---	1/4"	8-10d	---	---	5167	810	---	810	---	---	---	---	---	---
ABA48R RGH 4x6	14	14	4 1/2"	5 1/2"	2 1/2"	---	---	1/4"	8-16d	---	---	2867	935	---	935	---	---	---	---	---	---
PBS66	6x6	12	12	5 1/2"	2 1/2"	5 1/2"	3 3/4"	---	14-18d	2	1/4"	13100	2630	3580	3160	4000	1635	570	1700	1700	5335
ABA66	6x6	14	14	5 1/2"	5 1/2"	3 1/2"	---	1/4"	8-16d	---	---	3053	720	---	720	---	---	---	---	---	---
ABE66	6x6	12	14	5 1/2"	5 1/2"	3 1/2"	---	1/4"	8-10d	---	---	4833	900	---	900	---	---	---	---	---	---
ABU66	6x6	12	10	5 1/2"	5	6 1/2"	1 1/2"	1/4"	12-16d	2	1/4"	8900	2300	2300	2300	2300	---	---	---	---	---
ABAC66 RGH 6x6	14	14	6	5 1/2"	2 1/2"	---	---	1/4"	8-16d	---	---	3050	985	---	985	---	---	---	---	---	---
ABE66R RGH 6x6	12	14	6 1/2"	5 1/2"	2 1/2"	---	---	1/4"	8-10d	---	---	4833	900	---	900	---	---	---	---	---	---
ABU88*	8x8	12	14	7 1/2"	7	7	---	2 1/4"	18-16d	---	---	12993	2320	---	2320	---	---	---	---	---	---
ABU88R RGH 8x8	12	14	8	7	7	---	---	2 1/4"	18-16d	---	---	12853	2320	---	2320	---	---	---	---	---	---

1. Uplift and lateral loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.

2. Downloads may not be increased for short-term loading.

3. Specifier to design concrete for shear capacity.

4. ABU88 and ABU88R may be installed with 8-SDSx3 wood screws for the same table load.



Mayo Truss Co. Inc.

845 East US 27

MAYO, FL 32066

(386)294-3988

(877)-558-6262

MCCRAY

LAKE CITY

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" o.c.

Account: CONTRACTORS

Job: HAYGOOD-MCCRAY

Designer: C. LITTLE

Checker: M. MURRAY

Date: 12-14-07



RE: HAYGOOD-MCCRAY -

Site Information:

Project Customer: HAYGOOD Project Name: DUSTY MCCRAY

Lot/Block: Subdivision:

Address:

City: LAKE CITY State: FLORIDA

Name Address and License # of Structural Engineer of Record, if there is one, for the building.

Name: License #:

Address:

City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002

Design Program: Robbins OnLine Plus 21.5.035

Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf

Roof Load: 40.0 psf

This package includes 5 individual, dated Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T2821315	A1	12/12/07
2	T2821316	A2	12/12/07
3	T2821317	A3	12/12/07
4	T2821318	B1	12/12/07
5	T2821319	B2	12/12/07

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: ORegan, Philip

My license renewal date for the state of Florida is February 28, 2009.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbseng.com

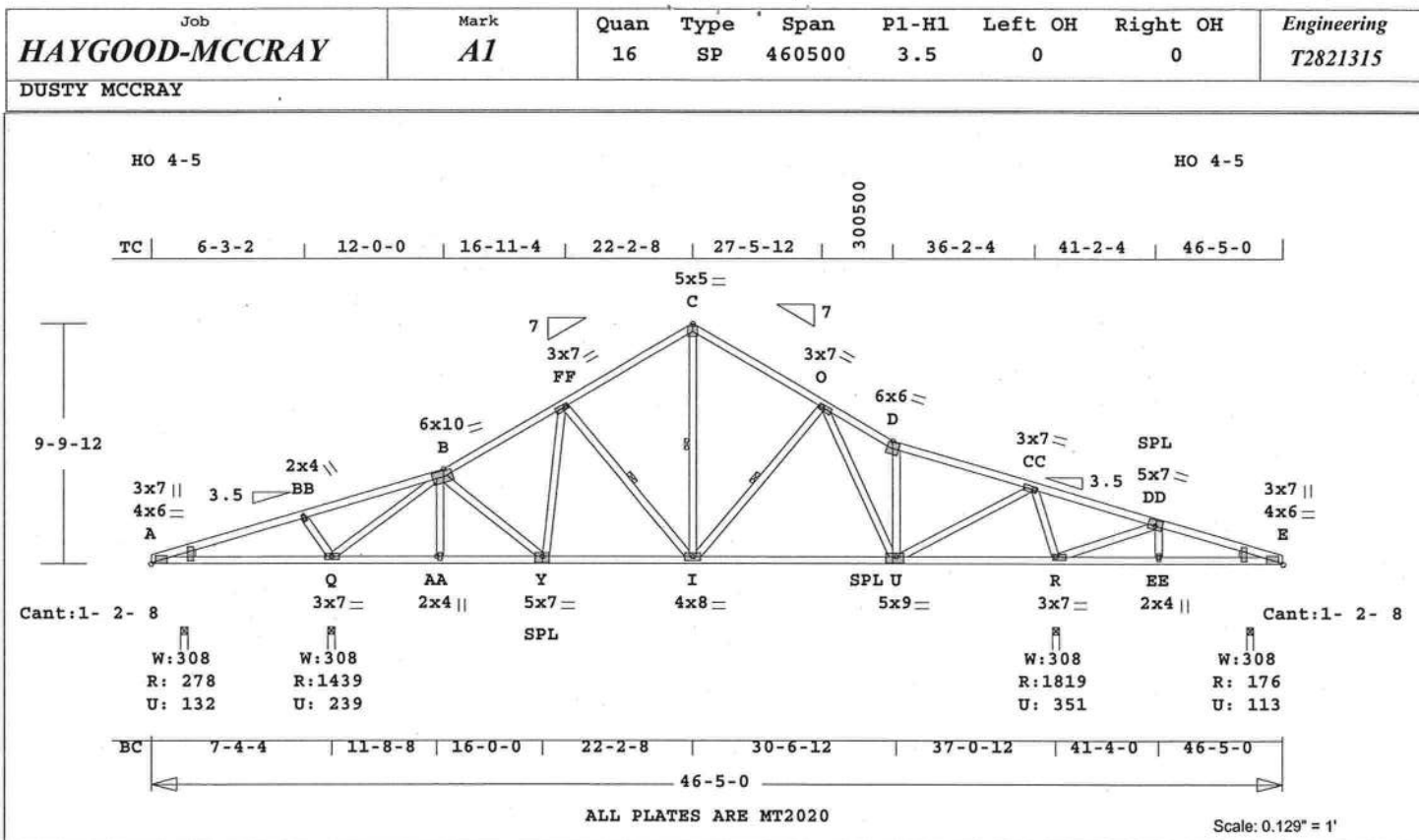
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

December 12, 2007

DALLAS

TAMPA

FT. WORTH
ORegan, Philip



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 325.0 LBS

Online Plus -- Version 21.5.035
RUN DATE: 12-DEC-07

CSI -Size- ---Lumber---
TC 0.45 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.66 2x 4 SP-#2
WG --- 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 5- 0
BC Cont. 0- 0- 0 46- 5- 0
One Continuous Lateral Brace
FF-I I -C I -O
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 278 133 U 131 R
Q 1439 239 U
R 1820 352 U
E 176 114 U 110 R

Jt Brg Size Required
A 3.5" 1.5"
Q 3.5" 1.5"
R 3.5" 1.9"
E 3.5" 1.5"

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

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A-BB 0.39 222 T 0.00 0.39
BB-B 0.40 218 T 0.01 0.39
B-FF 0.23 1262 C 0.06 0.17
FF-C 0.22 949 C 0.05 0.17
C-O 0.20 947 C 0.00 0.20
O-D 0.20 1075 C 0.00 0.20
D-CC 0.32 991 C 0.00 0.32
CC-DD 0.45 736 T 0.13 0.32

DD-E 0.22 263 T 0.02 0.20
-----Bottom Chords-----
A-Q 0.20 159 C 0.00 0.20
Q-AA 0.35 1166 T 0.19 0.16
AA-Y 0.25 1166 T 0.19 0.06
Y-I 0.43 1074 T 0.11 0.32
I-U 0.41 961 T 0.09 0.32
U-R 0.31 288 C 0.00 0.31
R-EE 0.16 261 C 0.00 0.16
EE-E 0.08 261 C 0.00 0.08
-----Webs-----
BB-Q 0.04 391 C
Q-B 0.66 1637 C
AA-B 0.02 147 T
B-Y 0.03 144 T
Y-FF 0.03 239 T
FF-I 0.09 399 C 1 Br
I-C 0.11 634 T 1 Br
I-O 0.05 242 C 1 Br
O-U 0.02 65 T
U-D 0.13 486 C
U-CC 0.25 1404 T
CC-R 0.24 1563 C
R-DD 0.15 605 C
EE-DD 0.02 163 T

TL Defl -0.22" in I -U L/999
LL Defl -0.05" in Y -I L/999
Shear // Grain in BB-B 0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 Ctr Ctr 0.93
A MT20 3.0x 7.0 Ctr Ctr 0.00
BB MT20 2.0x 4.0 Ctr Ctr 0.52
B MT20 6.0x10.0-0.5-0.1 0.86
FF MT20 3.0x 7.0 Ctr Ctr 0.48
C MT20 5.0x 5.0 Ctr Ctr 0.75
O MT20 3.0x 7.0 Ctr Ctr 0.44
D MT20 6.0x 6.0 Ctr Ctr 0.86
CC MT20 3.0x 7.0 Ctr Ctr 0.47
DD MT20 5.0x 7.0 0.1 0.5 0.85
E MT20 4.0x 6.0 Ctr Ctr 0.93
E MT20 3.0x 7.0 Ctr Ctr 0.00
Q MT20 3.0x 7.0 0.3 Ctr 0.53
AA MT20 2.0x 4.0 Ctr Ctr 0.52
Y MT20 5.0x 7.0 Ctr-0.5 0.86
I MT20 4.0x 8.0 Ctr Ctr 0.46
U MT20 5.0x 9.0 1.0-0.5 0.86
R MT20 3.0x 7.0 Ctr Ctr 0.52
EE MT20 2.0x 4.0 Ctr Ctr 0.52

REVIEWED BY:

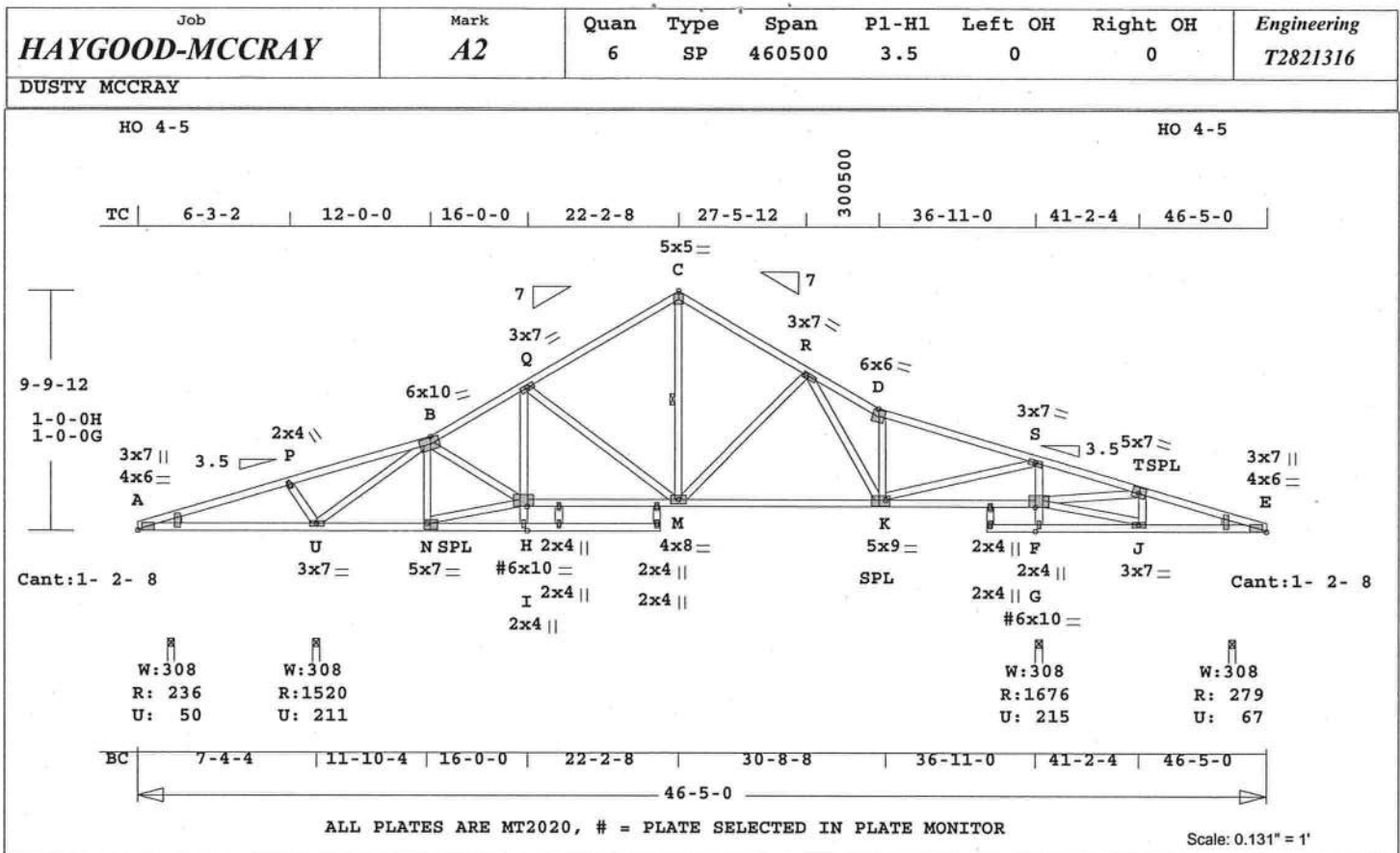
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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
User-defined wind-exposed BC
regions --From-- --To--
1- 2- 8 7- 4- 4
37- 0-12 45- 2- 8
Max comp. force 1637 Lbs
Max tens. force 1404 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

December 12,2007



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 347.4 LBS

Online Plus -- Version 21.5.035
RUN DATE: 12-DEC-07

CSI -Size- ---Lumber---
TC 0.49 2x 4 SP-#2
BC 0.48 2x 4 SP-#2
CW 0.16 2x 4 SP-#2
WB 0.70 2x 4 SP-#2
WG --- 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 5- 0
BC Cont. 0- 0- 0 16- 0- 0
BC 120.0" 16- 0- 0 21- 5- 8
BC Cont. 21- 5- 8 46- 5- 0
One Continuous Lateral Brace
M -C
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 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

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 236 51 U 131 R
U 1521 211 U
F 1677 216 U
E 279 67 U 110 R

Jt Brg Size Required
A 3.5" 1.5"
U 3.5" 1.6"
F 3.5" 1.8"
E 3.5" 1.5"

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

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -P 0.45 90 T 0.01 0.44
P -B 0.47 256 T 0.03 0.44
B -Q 0.26 1570 C 0.01 0.25
Q -C 0.34 1111 C 0.02 0.32
C -R 0.23 1107 C 0.00 0.23
R -D 0.19 1592 C 0.01 0.18
D -S 0.41 1453 C 0.01 0.40
S -T 0.49 554 T 0.09 0.40
T -E 0.08 99 T 0.00 0.08

-----Bottom Chords-----
A -U 0.21 71 C 0.00 0.21
U -N 0.37 1136 T 0.19 0.18
N -I 0.09 30 C 0.00 0.09
H -M 0.48 1365 T 0.14 0.34
M -K 0.46 1238 T 0.12 0.34
K -G 0.29 508 C 0.00 0.29
F -J 0.10 87 C 0.00 0.10
J -E 0.10 83 T 0.00 0.10
-----Chord-Webs-----
I -H 0.05 68 T 0.00 0.05
H -Q 0.10 302 T 0.04 0.06
F -G 0.16 1642 C 0.02 0.14
G -S 0.13 1461 C 0.13 0.00
-----Webs-----
P -U 0.04 413 C
U -B 0.70 1735 C
N -B 0.03 211 C
B -H 0.04 258 T
N -H 0.21 1147 T
Q -M 0.39 509 C
M -C 0.14 758 T
M -R 0.28 398 C
R -K 0.06 318 T
K -D 0.12 649 C
K -S 0.36 1968 T
G -J 0.02 156 T
G -T 0.14 609 C
J -T 0.02 150 T

TL Defl -0.26" in M -K L/999
LL Defl -0.11" in M -K L/999
Shear // Grain in P -B 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 Ctr Ctr 0.93
A MT20 3.0x 7.0 Ctr Ctr 0.00
P MT20 2.0x 4.0 Ctr Ctr 0.52
B MT20 6.0x10.0-0.5-0.1 0.86
Q MT20 3.0x 7.0 Ctr Ctr 0.44
C MT20 5.0x 5.0 Ctr Ctr 0.75
R MT20 3.0x 7.0 Ctr Ctr 0.42
D MT20 6.0x 6.0 Ctr Ctr 0.86
S MT20 3.0x 7.0 Ctr Ctr 0.62
T MT20 5.0x 7.0 0.1 0.5 0.85
E MT20 4.0x 6.0 Ctr Ctr 0.93
E MT20 3.0x 7.0 Ctr Ctr 0.00
U MT20 3.0x 7.0 0.3 Ctr 0.53
N MT20 5.0x 7.0 Ctr-0.5 0.86
I MT20 2.0x 4.0 Ctr Ctr 0.64
H# MT20 6.0x10.0 Ctr 1.2 0.74
M MT20 4.0x 8.0 Ctr Ctr 0.47
K MT20 5.0x 9.0 1.0-0.5 0.94
G# MT20 6.0x10.0 Ctr 1.2 0.75
F MT20 2.0x 4.0 Ctr Ctr 0.67
J MT20 3.0x 7.0 Ctr Ctr 0.93

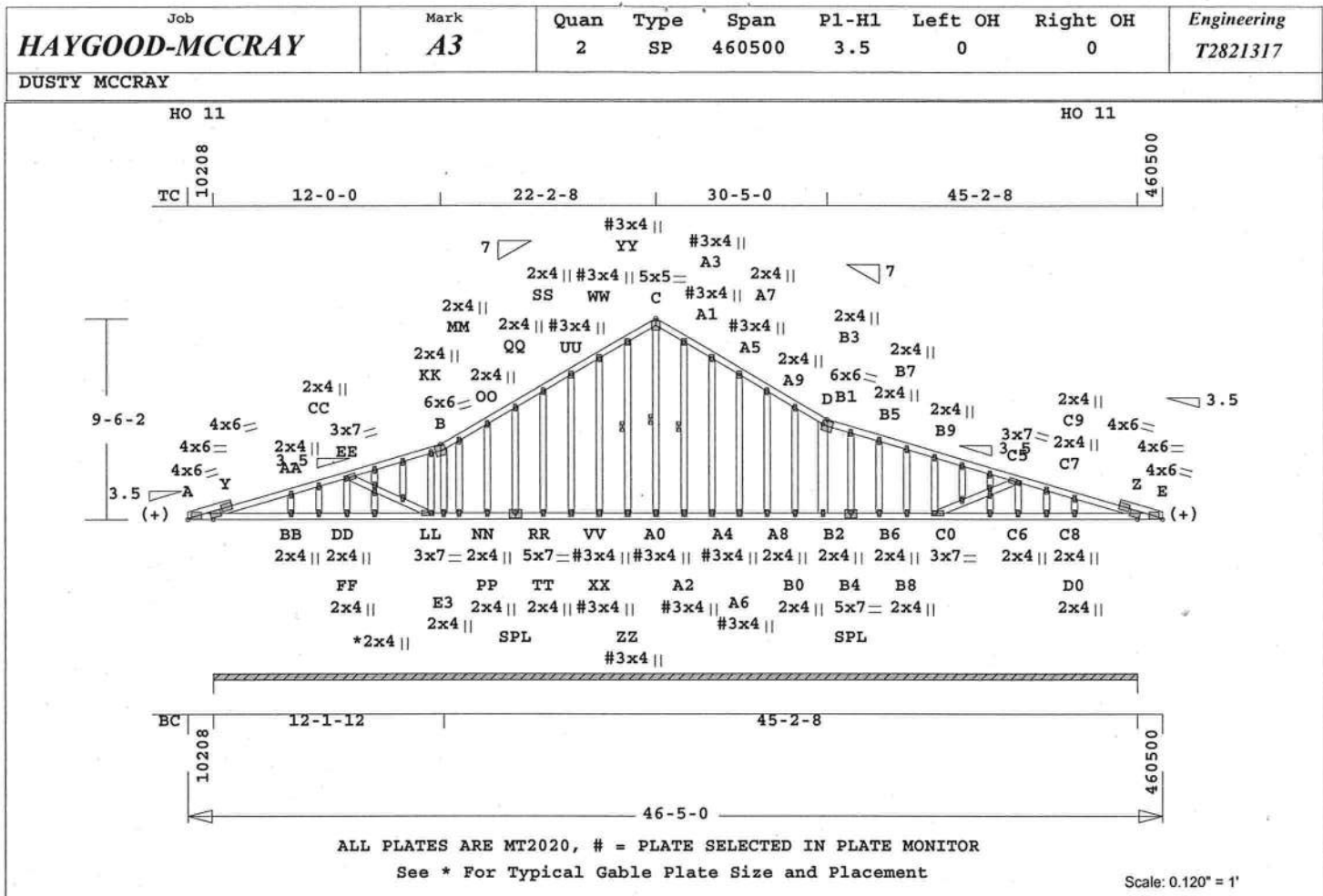
= Plate Monitor used
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
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 1735 Lbs
Max tens. force 1968 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

December 12,2007



Job HAYGOOD-MCCRAY	Mark A3	Quan 2	Type SP	Span 460500	P1-H1 3.5	Left OH 0	Right OH 0	Engineering T2821317
DUSTY MCCRAY								

Design checked for 10 psf non-concurrent LL on BC.

Refer to Gen Det 3 series for web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates selected through a plate monitor.

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

User-defined wind-exposed BC

regions --From-- ---To---

1- 2- 8 7- 4- 4

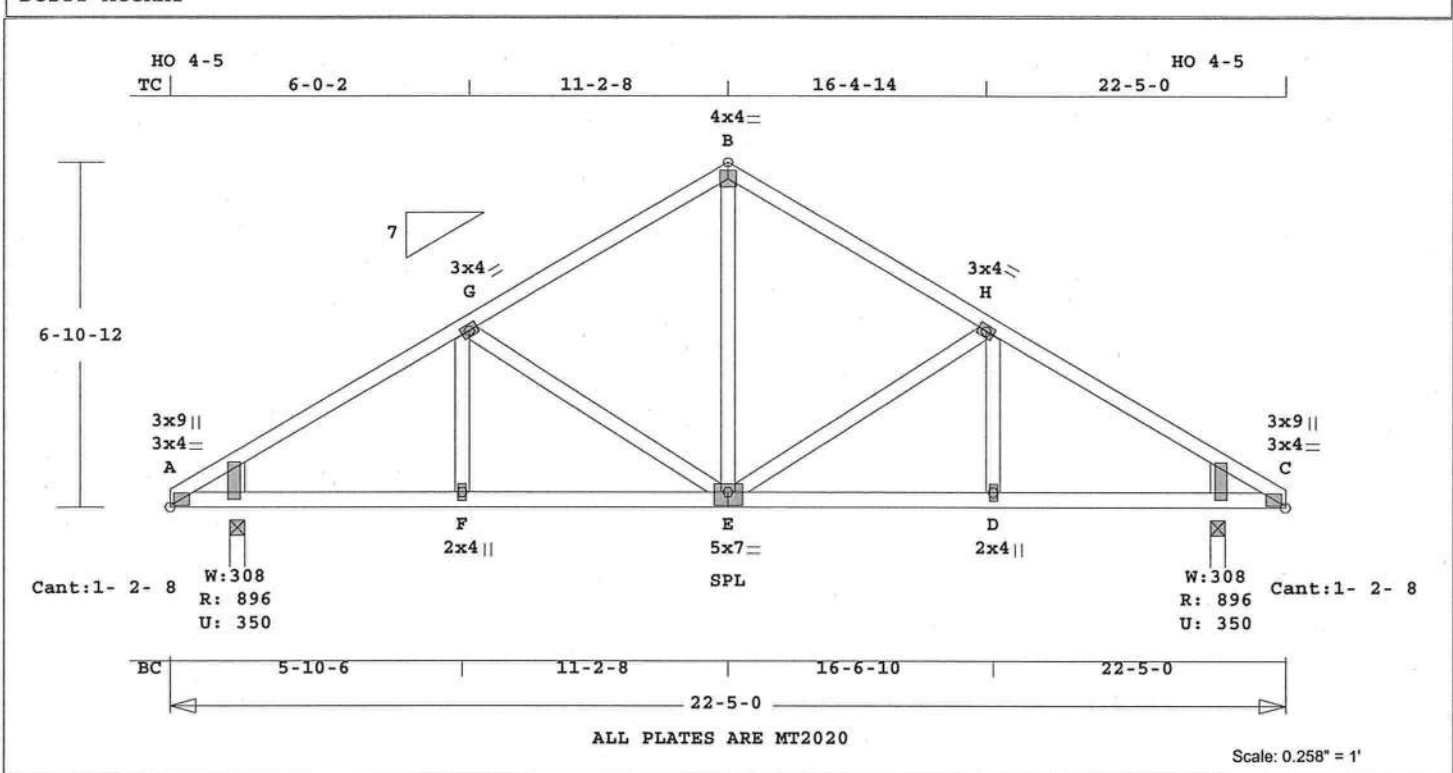
37- 0-12 45- 2- 8

Max comp. force 227 Lbs

Max tens. force 384 Lbs

Quality Control Factor 1.25

Job HAYGOOD-MCCRAY	Mark B1	Quan 10	Type TR	Span 220500	P1-H1 7	Left OH 0	Right OH 0	Engineering T2821318
DUSTY MCCRAY								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 146.6 LBS									
Online Plus -- Version 21.5.035					Wind Loads - ANSI / ASCE 7-02				
RUN DATE: 12-DEC-07					Truss is designed as				
CSI -Size- ---Lumber---					Components and Claddings*				
TC 0.54 2x 4 SP-#2					for Exterior zone location.				
BC 0.67 2x 4 SP-#2					Wind Speed: 110 mph				
WB 0.28 2x 4 SP-#2					Mean Roof Height: 15-0				
WG --- 2x 8 SP-#2					Exposure Category: B				
Brace truss as follows:					Occupancy Factor : 1.00				
O.C. From To					Building Type: Enclosed				
TC Cont. 0- 0- 0 22- 5- 0					TC Dead Load: 5.0 psf				
BC Cont. 0- 0- 0 22- 5- 0					BC Dead Load: 5.0 psf				
psf-Ld Dead Live					User-defined wind-exposed BC				
TC 10.0 20.0					regions --From-- --To--				
BC 10.0 0.0					1- 2- 8 21- 2- 8				
TC+BC 20.0 20.0					Max comp. force 958 Lbs				
Total 40.0 Spacing 24.0"					Max tens. force 882 Lbs				
Lumber Duration Factor 1.25					Quality Control 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									
Total Load Reactions (Lbs)									
Jt Down Uplift Horiz-									
A 897 350 U 133 R									
C 897 350 U 133 R									
Jt Brg Size Required									
A 3.5" 1.5"									
C 3.5" 1.5"									
Plus 9 Wind Load Case(s)									
Plus 1 UBC LL Load Case(s)									
Plus 1 DL Load Case(s)									
Membr CSI P Lbs Axl-Csi-Bnd									
-----Top Chords-----									
A -G 0.54 958 C 0.00 0.54									
G -B 0.24 735 T 0.00 0.24									
B -H 0.24 735 T 0.00 0.24									
H -C 0.54 958 C 0.00 0.54									
-----Bottom Chords-----									
A -F 0.67 803 T 0.13 0.54									

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

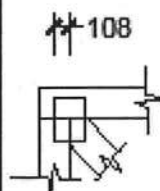
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

ROBBINS ENG. GENERAL NOTES & SYMBOLS

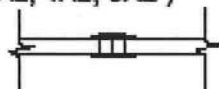
PLATE LOCATION



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.

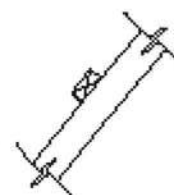
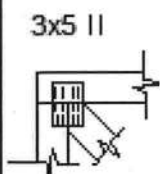


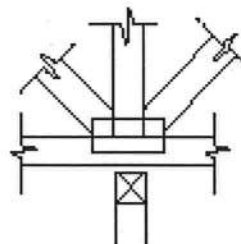
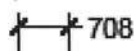
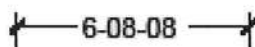
PLATE SIZE AND ORIENTATION



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.

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 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.

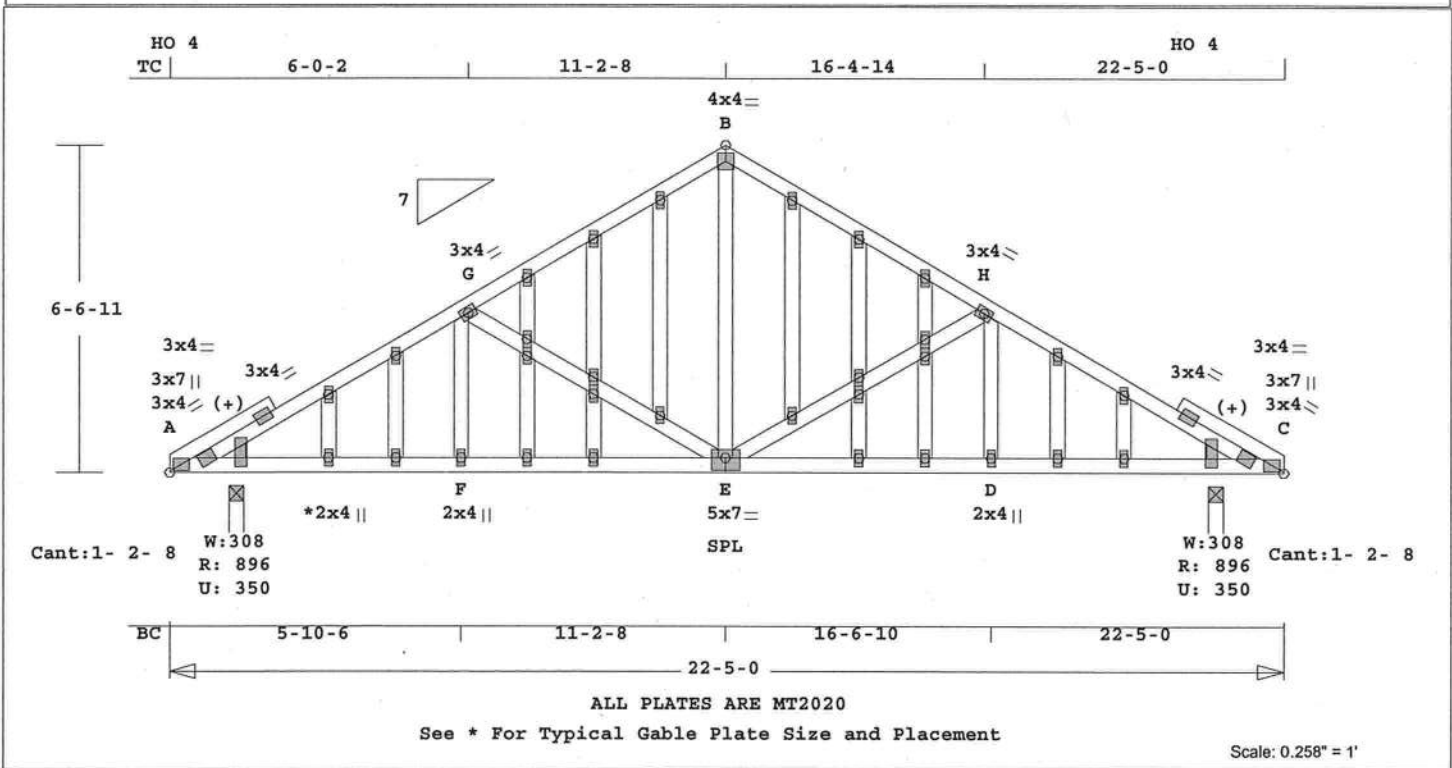


6904 Parke East Blvd.
Tampa, FL 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbseng.com

Job HAYGOOD-MCCRAY	Mark B2	Quan 1	Type TR	Span 220500	Pl-H1 7	Left OH 0	Right OH 0	Engineering T2821319
------------------------------	-------------------	------------------	-------------------	-----------------------	-------------------	---------------------	----------------------	--------------------------------

DUSTY MCCRAY



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 204.2 LBS

Online Plus -- Version 21.5.035
RUN DATE: 12-DEC-07

F - E	0.34	957 T	0.16	0.18
E - D	0.34	957 T	0.16	0.18
D - C	0.73	957 T	0.16	0.57

WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.

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

User-defined wind-exposed BC regions --From-- --To--

1- 2- 8 21- 2- 8

Max comp. force 1102 Lbs
Max tens. force 1003 Lbs

Quality Control Factor 1.25

F - G	0.01	130 C
G - E	0.13	351 T
E - B	0.28	603 C
E - H	0.13	351 T
D - H	0.01	130 C

TL Defl -0.16" in E -D L/999
LL Defl -0.08" in E -D L/999
Shear // Grain in A -G 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.78
A MT20 3.0x 7.0 Ctr Ctr 0.00
G MT20 3.0x 4.0 Ctr Ctr 0.62
B MT20 4.0x 4.0 Ctr Ctr 0.66
H MT20 3.0x 4.0 Ctr Ctr 0.62
C MT20 3.0x 4.0 Ctr Ctr 0.78
C MT20 3.0x 7.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.38
E MT20 5.0x 7.0 Ctr-0.5 0.60
D MT20 2.0x 4.0 Ctr Ctr 0.38

14 Gable studs to be attached with 2.0x4.0 plates each end.

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:

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

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

December 12,2007

	CSI	-Size-	-----Lumber-----
(+) TC	0.59	2x 4	SP-#2
BC	0.73	2x 4	SP-#2
WB	0.28	2x 4	SP-#2
WG	---	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	22- 5- 0	
BC Cont.	0- 0- 0	22- 5- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	897	350 U	126 R
C	897	350 U	126 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

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

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -G	0.59	1102 C	0.00 0.59
G -B	0.24	805 C	0.10 0.14
B -H	0.24	805 C	0.10 0.14
H -C	0.59	1102 C	0.00 0.59
-----Bottom Chords-----			
A -F	0.73	957 T	0.16 0.57



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.

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

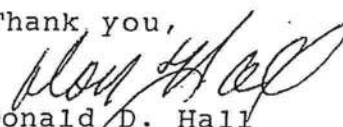
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

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

Thank you,


Donald D. Hall
DDH/jk



**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.archtest.com



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

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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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.

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
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
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S.2-97 for air infiltration.</i>			
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)		
<i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."</i>			
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)

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance:</u>			
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) @ 40.0 psf (negative)	0.45" 0.52"	(See Note #3) (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) @ 60.0 psf (negative)	0.03" 0.03"	0.16" max. 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



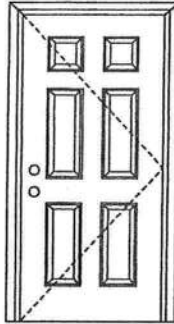
Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etisemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

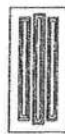
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

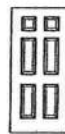
Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson™
EntrySystems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite®
Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balth

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

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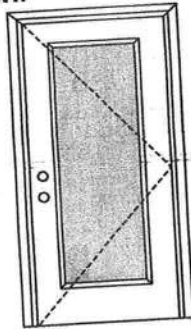
Exclusively from

Masonite
Masonite International Corporation

X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+52.0/-52.0
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



Test Data Review Certificate #3026447A;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.itswh.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:
1/4 GLASS:

100 Series



133, 135 Series



136 Series



822 Series

1/2 GLASS:

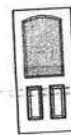
105 Series



106, 160 Series*



129 Series*

12 R/L, 23 R/L, 24 R/L
Series*

107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door style: Eyebrow 5-panel with scroll.

Oakcraft
Wood-Grain and Textured
FIBERGLASS ENTRY DOORS

ARTEK
Non-Textured Fiberglass Entry Doors

PREMDOR Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

X

Glazed Inswing Unit

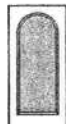
COP-WL-MA0141-02

FIBERGLASS DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

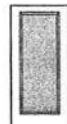
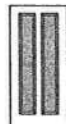
404 Series



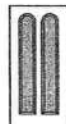
410 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W-2

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.etisemko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

2

Oakcraft™
Wood-grain & Textured
FIBERGLASS ENTRY DOORS

ARTEK™
Non-Textured Fiberglass Entry Doors

PREMIER Collection
Premium Quality Doors



Exclusively from

Masonite®
Masonite International Corporation

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

** LAMAR BOOZER **
 900 EAST PUTNAM STREET
 LAKE CITY, FL 32055

PROJECT:
 CLIENT:
 DATE:

HAYGOOD HOMES
 12 15 01

DESIGNER:

LAMAR BOOZER

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

CLIENT INFORMATION:

NAME: HAYGOOD HOMES
 ADDRESS:
 CITY, STATE: LAKE CITY, FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	131	4,274	0	7,892	7,892
9-I FRENCH DOOR DBL CLR GLS METL FR	73	2,477	0	3,668	3,668
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,342	4,831	0	2,639	2,639
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462
16-G CEILING R-30 INSULATION	1,380	2,489	0	2,047	2,047
22-A SLAB ON GRADE NO EDGE INSUL	187	6,816	0	0	0
SUBTOTALS FOR STRUCTURE:	3,153	21,733	0	16,708	16,708
PEOPLE	16	0	0	4,800	4,800
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,087	0	2,302	2,302
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				25,310	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		22,820	1,800	25,310	27,110

SUPPLY CFM AT 20 DEG DT:
 SQUARE FT. OF ROOM AREA:

1,150
 1,380

CFM PER SQUARE FOOT:
 SQUARE FOOT PER TON: 0.686
 741.866

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 22.820 MBH
 TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.259 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
 ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
 BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

65971
 2-12-01
 90030070

407-4477

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002**

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> - Dimensions of lot - Dimensions of building set backs - Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. - Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> - Plans or specifications must state compliance with FBC Section 1606 - The following information must be shown as per section 1606.1.7 FBC - Basic wind speed (MPH) - Wind importance factor (I) and building category - 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 specifically designed by the registered design professional
☒	☐	<u>Elevations including:</u> - All sides - Roof pitch - Overhang dimensions and detail with attic ventilation - Location, size and height above roof of chimneys - Location and size of skylights - Building height - Number of stories

☒	☐
☒	☐
☒	☐
☒ N/A	☐
☒ N/A	☐
☐	☐
☒	☐
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☒	☐
☐ N/A	☐
☐ N/A	☐

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☒ ☐

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☐ NA ☐

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☐ NA ☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **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.
3. **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)
4. **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.
5. **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. Development permit cost is \$10.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$5.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$25.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 758-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

COLUMBIA COUNTY FLORIDA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 20-4S-17-08583-013

Building permit No. 000026662

Use Classification SFD/UTILITY

Fire: 19.26

Permit Holder S. PAT HAYGOOD

Waste: 50.25

Owner of Building DUSTIN MCCRAY

Total: 69.51

Location: 581 SW TUSTENUGEE AVE, LAKE CITY, FL

Date: 07/24/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

