Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-07 Date Received 7/7 By JW Permit # 24777

Application Approved by - Zoning Official BLK Date 21.07.06 Plans Examiner OK JTH Date 7-20-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments ~~[illegible]~~ Existing MH to be Removed 45 day after CO is issued

Applicants Name Pennyworth Homes / Chip Miller Phone 386-755-9816

Address 321 NW Cole Terrace Lake City 32055

Owners Name Marsha Jarrell Phone 352-318-0102

911 Address 756 SW Roberts Ave Ft. White, FL. 32038

Contractors Name Pennyworth Homes Phone 800-879-1799

Address 679 Blackshear Rd. Thomasville GA 31792

Fee Simple Owner Name & Address Same as owner

Bonding Co. Name & Address Fidelity + Deposit Company of Maryland. Baltimore, Maryland

Architect/Engineer Name & Address Sound Structures 2467 Centerville Rd Tallahassee, FL 32308

Mortgage Lenders Name & Address Regions Mortgage 601 S. Court. Montgomery AL 36104

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

Property ID Number 30-6S-16-03987-001 Estimated Cost of Construction $106,000

Subdivision Name ______ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Take SR47 to Fort White, FL + turn Right on Hwy 27. Go 2 9/10 miles and turn left on Utah St. Go 2/10 mile + turn left on Roberts Ave (Dirt Rd) Go 6/10 mile + turn right. Go through gate + down driveway to Job on left

Type of Construction New Construction SFD Number of Existing Dwellings on Property (1)

Total Acreage 8 Lot Size 8 acres Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 372' Side 113' Side 102' Rear 870.58'

Total Building Height 20 Number of Stories 1 Heated Floor Area 1573 Roof Pitch 6/12

Porch 106 TOTAL 1679

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

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

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

[signature]

Owner Builder or Agent (Including Contractor)

[signature]

Contractor Signature

Contractors License Number CRC058477

Competency Card Number ______

NOTARY STAMP/SEAL

STATE OF FLORIDA

COUNTY OF ~~COLUMBIA~~ Leon

Sworn to (or affirmed) and subscribed before me

this 6th day of July 2006.

Personally known X or Produced Identification ______

[signature]

Notary Signature

Elaine P. Tomlinson
Commission # DD473887
Expires November 1, 200
Bonded Thru Fain - Insurance, Inc 800-385-7019

Columbia County Property Appraiser

DB Last Updated: 6/19/2006

2006 Proposed Values

Parcel: 30-6S-16-03987-001 HX

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	JARRELL MARSHA L
Site Address	ROBERTS
Mailing Address	756 SW ROBERTS AVE FT WHITE, FL 32038
Description	COMM NW COR OF SEC, RUN E 1274.40 FT TO W R/W ROBERTS RD, RUN S ALONG R/W 1320.28 FT FOR POB, CONT S 264.05 FT, W 1284.58 FT, N 265.68 FT, E 1282.85 FT TO POB. ORB 805-1344, 811-2418, QC 961-1990,

Use Desc. (code)	MOBILE HOM (000200)
Neighborhood	30616.00
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	8.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	$53,200.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$12,807.00
XFOB Value	cnt: (4)	$4,760.00
Total Appraised Value		$70,767.00

Just Value		$70,767.00
Class Value		$0.00
Assessed Value		$35,652.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		$10,652.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
5/16/1995	805/1344	WD	V	Q		$19,900.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1989	Alum Siding (26)	784	784	$12,807.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0296	SHED METAL	1996	$700.00	200.000	10 x 20 x 0	AP (30.00)
0263	PRCH,USP	1996	$3,500.00	400.000	20 x 20 x 0	AP (30.00)
0252	LEAN-TO W/	1996	$280.00	200.000	10 x 20 x 0	AP (30.00)
0252	LEAN-TO W/	1996	$280.00	200.000	10 x 20 x 0	AP (30.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000102	SFR/MH (MKT)	8.000 AC	1.00/1.00/1.00/1.00	$6,400.00	$51,200.00
009945	WELL/SEPT (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	$2,000.00	$2,000.00

Columbia County Property Appraiser

DB Last Updated: 6/19/2006

SAP:vl
3619.03-95-248
05/15/95

REC. 1
DOC. 137
INT.

.0805 PG1344

This Instrument Prepared By
K. AUSTIN PEELE
DARBY, PEELE, RAWSON & CRAWFORD
Attorneys at Law
327 North Hernando Street
Lake City, Florida 32055

RECORDS 95-06208

IN PUBLIC RECORDS
COLUMBIA COUNTY, FL.
1995 MAY 17 PM 4:53
CLERK OF CIRCUIT COURTS
COLUMBIA COUNTY, FLORIDA
BY D.C.

WARRANTY DEED

THIS WARRANTY DEED made this 16th day of May, 1995, by PEARLE C. MARTIN, an unremarried widow, (herein "Grantor") to LARRY GLENN JARRELL and MARSHA L. JARRELL, his wife (Social Security number:595-12-7206 and 592-10-0332, respectively), whose post office address is Route 2, Box 175-H, Fort White, Florida 32038 (herein "Grantee"):

W I T N E S S E T H:

That the Grantor, for and in consideration of the sum of TEN AND NO/100 ($10.00) DOLLARS and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land situate in Columbia County, Florida, viz:

TOWNSHIP 6 SOUTH, RANGE 16 EAST

Section 30: Commence at the NW corner of Section 30, Township 6 South, Range 16 East, and run N 88°55'33" E along the North line of said NW 1/4 a distance of 1274.40 feet to a concrete monument on the West right-of-way line of a 50 foot county graded road (now known as Roberts Road), thence S 1°45'44" E along said West right-of-way line a distance of 1320.28 feet to a concrete monument on the South line of the NW 1/4 of NW 1/4 for the POINT OF BEGINNING; thence continue S 1°45'44" E along said West right-of-way line a distance of 264.05 feet, thence run S 88°46'37" W a distance of 1284.58 feet to a concrete monument on the West line of said Section 30; thence run N 1°23'52" W along said West line a distance of 265.68 feet to the SW corner of the NW 1/4 of NW 1/4 of said Section 30; thence N 88°33'03" E along the South line of said NW 1/4 of NW 1/4 a distance of 1282.85 feet to the West right-of-way line of said county graded road and the POINT OF BEGINNING.

DOCUMENTARY STAMP $ 13.50
INTANGIBLE TAX
P. DeWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY
BY

TAX PARCEL NO. 03987-000-000

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 1994.

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:

Witness

(Print or Type Name)

Witness

(Print or Type Name)

Pearle C. Martin (SEAL)

PEARLE C. MARTIN

Address: 2803 NW 83rd Street, #A-418
Gainesville, Florida 32606

STATE OF FLORIDA

COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 16th day of May, 1995, by PEARLE C. MARTIN, who is personally known to me or who has produced Personally Known to me as identification.

(NOTARIAL SEAL)

Notary Public, State of Florida

(Print or Type Name)

My Commission Expires:

OFFICIAL NOTARY SEAL
CAROLYN H MCPHERSON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO CC 204405
MY COMMISSION EXP. MAY 31,1996

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

WALTER, EBE
PENNYWORTH HOMES INC
679 BLACKSHEAR ROAD
THOMASVILLE GA 31792

STATE OF FLORIDA AC# 1541536
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB0002773 06/18/05 041003251

QUALIFIED BUSINESS ORGANIZATION
PENNYWORTH HOMES INC

(NOT A LICENSE TO PERFORM WORK.
ALLOWS COMPANY TO DO BUSINESS IF
IT HAS A LICENSED QUALIFIER.)

IS QUALIFIED under the provisions of Ch. 489 FS.
Expiration date: AUG 31, 2007 L0506130080

STATE OF FLORIDA AC#1541536
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CRC058477 08/13/04 040138349

CERTIFIED RESIDENTIAL CONTRACTOR
WALTER, EBE
PENNYWORTH HOMES INC

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2006 L04081305133

DETACH HERE

#1541536

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ#L04081305133

DATE	BATCH NUMBER	LICENSE NBR
/13/2004	040138349	CRC058477

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2006

WALTER, EBE
PENNYWORTH HOMES INC
679 BLACKSHEAR ROAD
THOMASVILLE GA 31792

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

DIANE CARR
SECRETARY

Client#: 761220 68WALTEHOL

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/28/05

PRODUCER
BB&T-Landrum Yaeger
3375-B Capital Circle, NE
PO Box 14099
Tallahassee, FL 32317

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Pennyworth Homes, Inc.
Walter Holding Co.
679 Blackshear Road
Thomasville, GA 31792

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Auto Owners Insurance Company	18988
INSURER B: Valley Forge Insurance Company	20508
INSURER C: Assurance Co of America (Home Builde	19305
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [ ] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC	38954279	01/01/06	01/01/07	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$500,000 $50,000 $5,000 $500,000 $500,000 $500,000
A		AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS	9544723600GA	01/01/06	01/01/07	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$500,000 $ $ $
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
A		EXCESS/UMBRELLA LIABILITY [X] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [X] RETENTION $ 10000	9595427900	01/01/06	01/01/07	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	WC163713095	01/01/06	01/01/07	[X] WC STATUTORY LIMITS [ ] OTHER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $500,000 $500,000 $500,000
C		OTHER Builders Ris	BR94334084GA	01/01/06	01/01/07	Limits as indicated below	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

Columbia County Building Dept.
135 NE Hernando Avenue
Lake City, Florida 32055

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

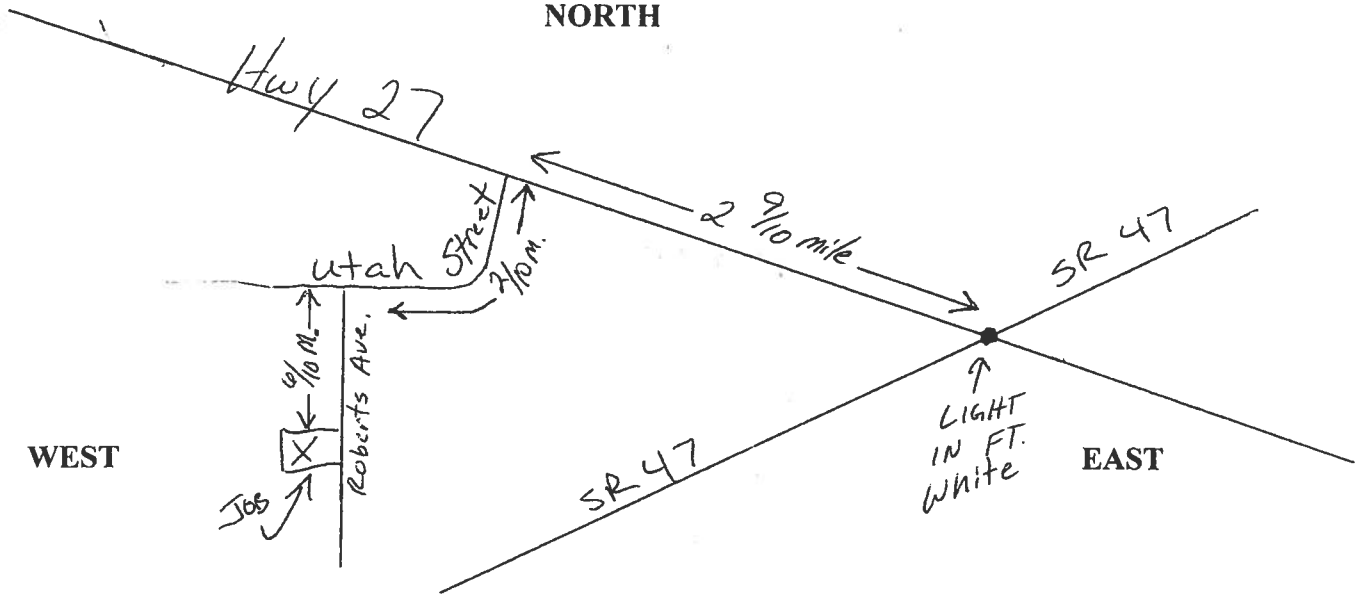
AUTHORIZED REPRESENTATIVE
Scott Jay

PENNYWORTH HOMES

DIRECTIONS TO JOB SITE OF: Marsha Jarrell

JOB # _____ **ADDRESS:** 756 SW Roberts Ave, Ft. White, FL 32038

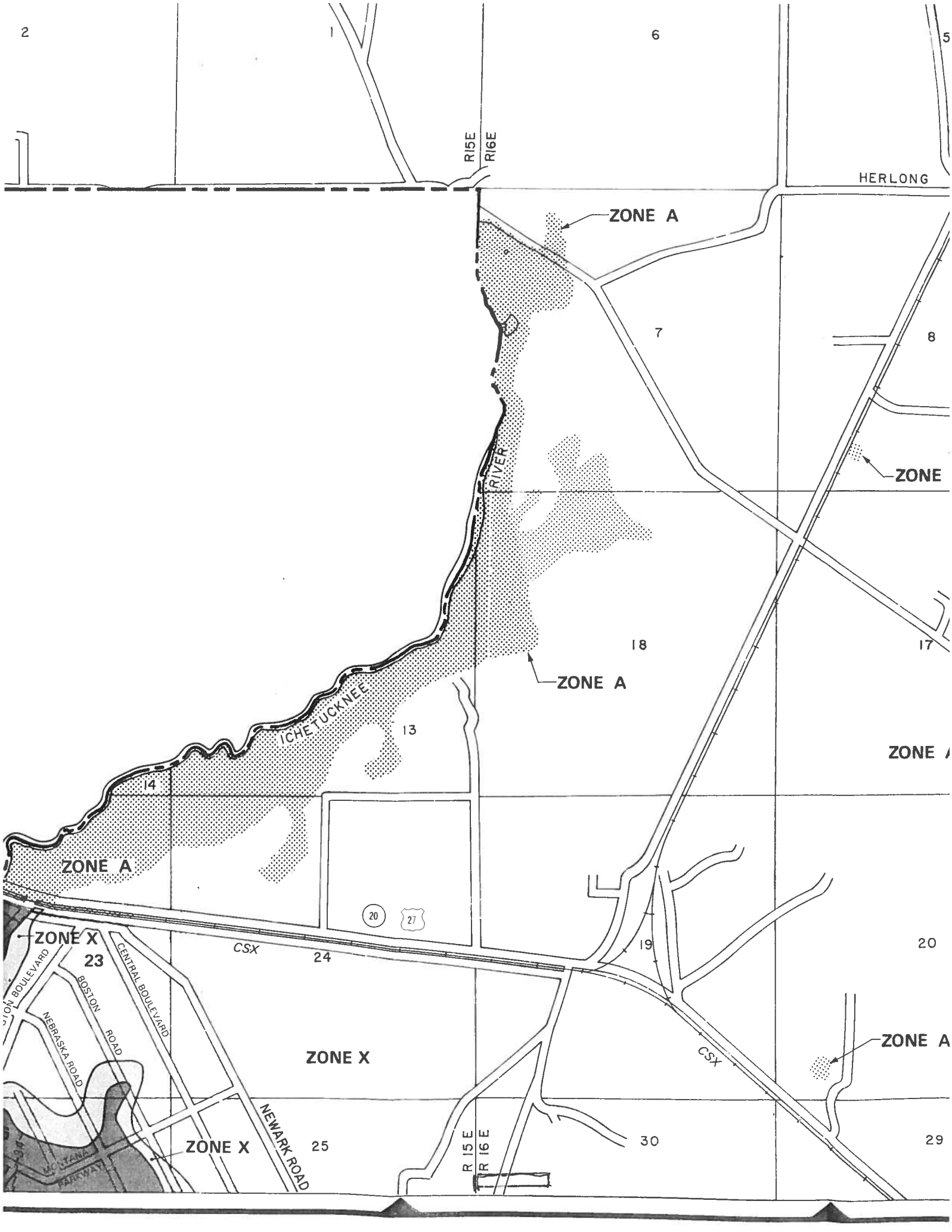
MODEL West WIND **County:** Columbia



SOUTH

TYPE DETAILED DIRECTIONS BELOW INCLUDING IDENTIFYING LANDMARKS, SUCH AS STORES, SIGNS, GAS STATIONS, ETC. WITH MILEAGE BETWEEN ROADS LISTED. BE VERY DETAILED AND DOUBLE CHECK FOR ACCURACY. POST PWH SIGN ON THE JOB.

TAKE SR 47 to Fort White, FL AND turn right on Hwy 27. Go 2 9/10 miles AND turn left on Utah St. Go 2/10 mile and turn left on Roberts Ave. (DIRT RD.). Go 6/10 mile and turn right. Go through gate and down driveway to job on left.


2
1
6
5
R15E
R16E
HERLONG
ZONE A
7
8
ZONE
RIVER
18
17
ZONE A
ICHETUCKNEE
13
ZONE A
14
ZONE A
20
27
ZONE X
23
CSX
24
19
20
BOSTON BOULEVARD
CENTRAL BOULEVARD
BOSTON ROAD
NEBRASKA ROAD
ZONE X
ZONE A
CSX
NEWARK ROAD
ZONE X
25
R 15E
R 16E
30
29
MONTANA
PARKWAY

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0607-07

Contractor: Penny Worth Homes Owner Larry & Marsha Jarrell

On the date of July 10, 2006 application 0607-06 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0607-06 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. Please submit a letter form the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

2. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system. Recd 7.13.06 (JLW)

3. Please complete and submit the residential minimum plan requirements and checklist form for the Florida Residential Code 2004 (attached form)

4. Please provide engineering foundations drawing which will provide comply with section R401.2 of the 2004 Florida Residential Code; Foundation construction shall be capable of accommodating all loads according to Section R301 and of transmitting the resulting loads to the supporting soil. Fill soils that support footings and foundations shall be designed, installed and tested in accordance with accepted engineering practice. Also show the method of attachment of the ½" threaded rods to the foundation

5. Please submit engineering drawing, which will show the attachment and size of the header beams that span the covered porch opening. Also show the method of attachment of these beam to the shear walls and all supporting post, and the anchoring method of the post to the foundation.

6. Please indicate that one window in each bedroom will serve as a emergency escape and rescue openings, as required by the 2004 Florida Residential Code section R310.1.1, Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2): R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm): R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

7. Please indicate on the plans which bathroom will be constructed to comply with sections R322.1.1 of the 2004 Florida Residential Code. All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).

8. Provide the required information to show product approval specification for products which will be exposed to wind shear as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**

9. The electrical plan shows the location of the electrical panel, Please indicate on the electrical plan the amperage rating of this panel an that an overcurrent protection device will be installed on the exterior of structures to serve as a disconnecting means for this panel . Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Joe Haltiwanger

Plan Examiner
Columbia County Building Department

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

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 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☐	☐	a) All sides
☐	☐	b) Roof pitch
☐	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.
☐ ☐ e) Location and size of skylights
☐ ☐ f) Building height
☐ ☐ e) Number of stories

Floor Plan including:

☐ ☐ a) Rooms labeled and dimensioned.
☐ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☐ ☐ d) Show safety glazing of glass, where required by code.
☐ ☐ e) Identify egress windows in bedrooms, and size.
☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☐ ☐ h) 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 106.1.1.2)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 106.1.1.2)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 shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide 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) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide 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)

☐ ☐ 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

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

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

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **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. **(386) 497-2321**

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 **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

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) 752-8787

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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE _____ DATE _____

R-1305 01-04

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL FORM

To: Penny Worth Homes Inc.
Name:
From:
Date Sent: 07/07/06
CC: Building permit application **0607-07**
Phone: Number of Pages: *Nine* counting the cover page
Fax: 386- 963- 2808

Message: Reference to a building permit application Number: **0607-06**
Contactor: Penny Worth Homes Inc. Property Owner Larry & Marsha Jarrell

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Pennyworth Homes Jarrell Westwind Model**	Builder:	**Pennyworth Homes**
Address:	**756 SW Roberts Ave.**	Permitting Office:	**Columbia**
City, State:	**Ft. White, FL 32038-**	Permit Number:	24777
Owner:	**Marsha Jarrell**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 34.6 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	1573 ft²	a. Electric Heat Pump	Cap: 34.6 kBtu/hr HSPF: 8.00
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 202.0 ft²	c. N/A	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 202.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons EF: 0.93
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	b. N/A	
b. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 1388.0 ft²		
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1573.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 105.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 21310

Total base points: 24623

PASS

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

PREPARED BY: HOWE CHAISSON

DATE: 6/14/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1573.0	20.04	5674.1	Double, Clear	N	0.0	0.0	6.0	19.20	1.00	115.2
				Double, Clear	E	6.0	5.0	30.0	42.06	0.47	592.0
				Double, Clear	E	0.0	0.0	75.0	42.06	1.00	3154.8
				Double, Clear	W	0.0	0.0	91.0	38.52	1.00	3505.7
				As-Built Total:				**202.0**			**7367.7**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1388.0	1.50		2082.0
Exterior	1388.0	1.70	2359.6								
Base Total:	**1388.0**		**2359.6**	**As-Built Total:**				**1388.0**			**2082.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				42.0	4.10		172.2
Exterior	42.0	6.10	256.2								
Base Total:	**42.0**		**256.2**	**As-Built Total:**				**42.0**			**172.2**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1573.0	1.73	2721.3	Under Attic			30.0	1573.0	1.73 X 1.00		2721.3
Base Total:	**1573.0**		**2721.3**	**As-Built Total:**				**1573.0**			**2721.3**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation			0.0	204.0(p	-41.20		-8404.8
Raised	0.0	0.00	0.0								
Base Total:			**-7548.0**	**As-Built Total:**				**204.0**			**-8404.8**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1573.0	10.21	16060.3					1573.0	10.21		16060.3

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 19523.5			**Summer As-Built Points:**					**19998.7**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 34600 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Con(R),Int(AH),R6.0(INS)					
19523.5	**0.4266**	**8328.7**	19999 **19998.7**	1.00 **1.00**	(1.08 x 1.147 x 0.91) **1.128**	0.263 **0.263**	1.000 **1.000**	5924.1 **5924.1**

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1573.0	12.74	3607.2	Double, Clear	N	0.0	0.0	6.0	24.58	1.00	147.5
				Double, Clear	E	6.0	5.0	30.0	18.79	1.34	755.1
				Double, Clear	E	0.0	0.0	75.0	18.79	1.00	1409.5
				Double, Clear	W	0.0	0.0	91.0	20.73	1.00	1886.3
				As-Built Total:				**202.0**			**4198.3**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1388.0	3.40		4719.2
Exterior	1388.0	3.70	5135.6								
Base Total:	**1388.0**		**5135.6**	**As-Built Total:**				**1388.0**			**4719.2**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				42.0	8.40		352.8
Exterior	42.0	12.30	516.6								
Base Total:	**42.0**		**516.6**	**As-Built Total:**				**42.0**			**352.8**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	1573.0	2.05	3224.6	Under Attic			30.0	1573.0	2.05 X	1.00	3224.6
Base Total:	**1573.0**		**3224.6**	**As-Built Total:**				**1573.0**			**3224.6**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation			0.0	204.0(p	18.80		3835.2
Raised	0.0	0.00	0.0								
Base Total:			**1815.6**	**As-Built Total:**				**204.0**			**3835.2**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points
	1573.0	-0.59	-928.1					1573.0	-0.59		-928.1

FORM 600A-2004

EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

BASE				AS-BUILT						
Winter Base Points:			**13371.6**	**Winter As-Built Points:**						**15402.1**
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 34600 btuh ,EFF(8.0) Ducts:Unc(S),Con(R),Int(AH),R6.0						
13371.6		**0.6274**	**8389.3**	15402.1 **15402.1**		1.000 **1.00**	(1.060 x 1.169 x 0.93) **1.152**	0.426 **0.426**	1.000 **1.000**	7565.7 **7565.7**

FORM 600A-2004 EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.93	3	1.00	2606.67	1.00	7820.0	
				As-Built Total:						**7820.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8329	**8389**	**7905**	**24623**	**5924**	**7566**	**7820**	**21310**

PASS

FORM 600A-2004 EnergyGauge® 4.0

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **756 SW Roberts Ave., Ft. White, FL, 32038-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

Marsha Jarrell, 756 SW Roberts Ave., Ft. White, FL, 32038-

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1573 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 202.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 202.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1388.0 ft²	
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1573.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 105.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 34.6 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 34.6 kBtu/hr HSPF: 8.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.93	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

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

Builder Signature: _____ Date: _____

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

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

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

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

****
****
**
**
** TRACE 600 ANALYSIS **
**
** by BLUE HERON CONSULTING **
**
****
****

PENNYWORTH HOMES JARRELL WESTWIND MDL
FT. WHITE, FL

Weather File Code:	GAINSVIL	
Location:		
Latitude:	29.0	(deg)
Longitude:	82.0	(deg)
Time Zone:	5	
Elevation:	155	(ft)
Barometric Pressure:	29.7	(in. Hg)
Summer Clearness Number:	0.95	
Winter Clearness Number:	0.95	
Summer Design Dry Bulb:	93	(F)
Summer Design Wet Bulb:	77	(F)
Winter Design Dry Bulb:	31	(F)
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Air Density:	0.0756	(Lbm/cuft)
Air Specific Heat:	0.2444	(Btu/lbm/F)
Density-Specific Heat Prod:	1.1087	(Btu-min./hr/cuft/F)
Latent Heat Factor:	4,880.3	(Btu-min./hr/cuft)
Enthalpy Factor:	4.5356	(Lb-min./hr/cuft)

Design Simulation Period: June To November
System Simulation Period: January To December
Cooling Load Methodology: TETD/Time Averaging

Time/Date Program was Run: 22:17:48 6/14/ 6
Dataset Name: HJARRELL .TM

Trane Air Conditioning Economics
By: BLUE HERON CONSULTING

V 600
PAGE 436

AIRFLOW - ALTERNATIVE 1

SYSTEM SUMMARY
(Design Airflow Quantities)

System Number	System Type	Main: Outside Airflow (Cfm)	Main: Cooling Airflow (Cfm)	Main: Heating Airflow (Cfm)	Main: Return Airflow (Cfm)	Main: Exhaust Airflow (Cfm)	Auxil. Supply Airflow (Cfm)	Room Exhaust Airflow (Cfm)
1	SZ	80	1,376	1,376	1,376	80	0	0
Totals		80	1,376	1,376	1,376	80	0	0

CAPACITY - ALTERNATIVE 1

SYSTEM SUMMARY
(Design Capacity Quantities)

System Number	System Type	Cooling: Main Sys. Capacity (Tons)	Cooling: Aux. Sys. Capacity (Tons)	Cooling: Opt. Vent Capacity (Tons)	Cooling Totals (Tons)	Heating: Main Sys. Capacity (Btuh)	Heating: Aux. Sys. Capacity (Btuh)	Heating: Preheat Capacity (Btuh)	Heating: Reheat Capacity (Btuh)	Heating: Humidif. Capacity (Btuh)	Heating: Opt. Vent Capacity (Btuh)	Heating Totals (Btuh)
1	SZ	2.9	0.0	0.0	2.9	-21,886	0	0	0	0	0	-21,886
Totals		2.9	0.0	0.0	2.9	-21,886	0	0	0	0	0	-21,886

The building peaked at hour 17 month 8 with a capacity of 2.9 tons

ENGINEERING CHECKS - ALTERNATIVE 1

ENGINEERING CHECKS

System Number	Main/ Auxiliary	System Type	Percent Outside Air	Cooling: Cfm/ Sq Ft	Cooling: Cfm/ Ton	Cooling: Sq Ft /Ton	Cooling: Btuh/ Sq Ft	Heating: Cfm/ Sq Ft	Heating: Btuh/ Sq Ft	Floor Area Sq Ft
1	Main	SZ	5.81	0.87	477.8	546.1	21.97	0.87	-13.91	1,573

Trane Air Conditioning Economics
By: BLUE HERON CONSULTING

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SYSTEM CHECKSUMS System 1 Peak SZ - SINGLE ZONE SYSTEM

	COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time ==>	Mo/Hr: 8/17					Mo/Hr: 8/17		Mo/Hr: 12/ 1		
Outside Air ==>	OADB/WB/HR: 94/ 77/112.0					OADB: 94		OADB: 31		
Envelope Loads	Space Sens.+Lat. (Btuh)	Ret. Air Sensible (Btuh)	Ret. Air Latent (Btuh)	Net Total (Btuh)	Percnt Of Tot (%)	Space Sensible (Btuh)	Percnt Of Tot (%)	Space Peak Space Sens (Btuh)	Coil Peak Tot Sens (Btuh)	Percnt Of Tot (%)
Skylite Solr	0	0		0	0.00	0	0.00	0	0	0.00
Skylite Cond	0	0		0	0.00	0	0.00	0	0	0.00
Roof Cond	6,929	0		6,929	20.05	6,929	23.29	-3,225	-3,225	14.73
Glass Solar	14,140	0		14,140	40.91	14,140	47.52	0	0	0.00
Glass Cond	2,560	0		2,560	7.41	2,560	8.60	-5,817	-5,817	26.58
Wall Cond	6,126	0		6,126	17.72	6,126	20.59	-5,277	-5,277	24.11
Partition	0			0	0.00	0	0.00	0	0	0.00
Exposed Floor	0			0	0.00	0	0.00	-3,931	-3,931	17.96
Infiltration	0			0	0.00	0	0.00	0	0	0.00
Sub Total==>	29,756	0		29,756	86.09	29,756	100.00	-18,249	-18,249	83.38
Internal Loads										
Lights	0	0		0	0.00	0	0.00	0	0	0.00
People	0			0	0.00	0	0.00	0	0	0.00
Misc	0	0	0	0	0.00	0	0.00	0	0	0.00
Sub Total==>	0	0	0	0	0.00	0	0.00	0	0	0.00
Ceiling Load	0	0		0	0.00	0	0.00	0	0	0.00
Outside Air	0	0	0	4,320	12.50	0	0.00	0	-3,636	16.62
Sup. Fan Heat				489	1.42		0.00		0	0.00
Ret. Fan Heat		0		0	0.00		0.00		0	0.00
Duct Heat Pkup		0		0	0.00		0.00		0	0.00
OV/UNDR Sizing	0			0	0.00	0	0.00	0	0	0.00
Exhaust Heat		0	0	0	0.00		0.00		0	0.00
Terminal Bypass		0	0	0	0.00		0.00		0	0.00
Grand Total==>	29,756	0	0	34,565	100.00	29,756	100.00	-18,249	-21,886	100.00

COOLING COIL SELECTION

	Total Capacity (Tons)	(Mbh)	Sens Cap. (Mbh)	Coil Airfl (cfm)	Entering DB Deg F	Entering WB Deg F	Entering HR Grains	Leaving DB Deg F	Leaving WB Deg F	Leaving HR Grains
Main Clg	2.9	34.6	31.9	1,376	76.1	63.4	67.7	55.2	54.4	62.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	2.9	34.6								

AREAS

	Gross Total	Glass (sf)	(%)
Floor	1,573		
Part	0		
ExFlr	204		
Roof	1,573	0	0
Wall	1,632	202	12

HEATING COIL SELECTION

	Capacity (Mbh)	Coil Airfl (cfm)	Ent Deg F	Lvg Deg F
Main Htg	-21.9	1,376	69.6	84.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.0	1,376	69.6	55.2
Reheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-21.9			

AIRFLOWS (cfm)

Type	Cooling	Heating
Vent	80	80
Infil	0	0
Supply	1,376	1,376
Mincfm	0	0
Return	1,376	1,376
Exhaust	80	80
Rm Exh	0	0
Auxil	0	0

ENGINEERING CHECKS

Clg % OA	5.8
Clg Cfm/Sqft	0.87
Clg Cfm/Ton	477.84
Clg SqFt/Ton	546.11
Clg Btuh/Sqft	21.97
No. People	0
Htg % OA	5.8
Htg Cfm/SqFt	0.87
Htg Btuh/SqFt	-13.91

TEMPERATURES (F)

Type	Clg	Htg
SADB	55.5	84.0
Plenum	75.0	72.0
Return	75.0	72.0
Ret/OA	76.1	69.6
Runarnd	75.0	72.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Fricl	0.2	0.0

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MAIN SYSTEM COOLING - ALTERNATIVE 1

PEAK COOLING LOADS
(Main System)

Room Number	Description	Space Peak Time Mo/Hr	Space OA Cond. DB/WB (F)	Space Rm Dry Blb (F)	Space Supp. Dry Bulb (F)	Space Air Flow (Cfm)	Space Sens. Load (Btuh)	Space Lat. Load (Btuh)	Coil Peak Time Mo/Hr	Coil OA Cond. DB/WB (F)	Coil Rm Dry Blb (F)	Coil Supp. Dry Bulb (F)	Coil Air Flow (Cfm)	Coil Sens. Load (Btuh)	Coil Lat. Load (Btuh)
100	WESTWIND MODEL	8/17	94 77	75	55.5	1,376	29,756	0	8/17	94 77	75	55.5	1,376	31,939	2,626
Zone 1	Total/Ave.		94 77	75	55.5	1,376	29,756	0		94 77	75	55.5	1,376	31,939	2,626
Zone 1	Block	8/17	94 77	75	55.5	1,376	29,756	0	8/17	94 77	75	55.5	1,376	31,939	2,626
System 1	Total/Ave.		94 77	75	55.5	1,376	29,756	0		94 77	75	55.5	1,376	31,939	2,626
System 1	Block	8/17	94 77	75	55.5	1,376	29,756	0	8/17	94 77	75	55.5	1,376	31,939	2,626

MAIN SYSTEM HEATING - ALTERNATIVE 1

PEAK HEATING LOADS
(Main System)

Room Number	Description	Floor Area (Sq Ft)	Space Peak Time Mo/Hr	Space OA Cond. DB/WB (F)	Space Rm Dry Blb (F)	Space Supp. Dry Bulb (F)	Space Air Flow (Cfm)	Space Sens. Load (Btuh)	Coil Peak Time Mo/Hr	Coil OA Cond. DB/WB (F)	Coil Rm Dry Blb (F)	Coil Supp. Dry Bulb (F)	Coil Air Flow (Cfm)	Coil Sens. Load (Btuh)
100	WESTWIND MODEL	1,573	13/ 1	31 27	72	84.0	1,376	-18,249	13/ 1	31 27	72	84.0	1,376	-21,886
Zone 1	Total/Ave.	1,573		31 27	72	84.0	1,376	-18,249		31 27	72	84.0	1,376	-21,886
Zone 1	Block	1,573	13/ 1	31 27	72	84.0	1,376	-18,249	13/ 1	31 27	72	84.0	1,376	-21,886
System 1	Total/Ave.	1,573		31 27	72	84.0	1,376	-18,249		31 27	72	84.0	1,376	-21,886
System 1	Block	1,573	13/ 1	31 27	72	84.0	1,376	-18,249	13/ 1	31 27	72	84.0	1,376	-21,886

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

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 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☐	☐	c) Overhang dimensions and detail with attic ventilation

☐	☐	d) Location, size and height above roof of chimneys.
☐	☐	e) Location and size of skylights
☐	☐	f) Building height
☐	☐	e) Number of stories
		Floor Plan including:
☐	☐	a) Rooms labeled and dimensioned
☐	☐	b) Shear walls identified.
☐	☐	c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
☐	☐	d) Show safety glazing of glass, where required by code.
☐	☐	e) Identify egress windows in bedrooms, and size.
☐	☐	f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
☐	☐	g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☐	☐	h) 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 106.1.1.2)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 106.1.1.2)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 shall be designed by a Windload engineer using the engineered roof truss plans. 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide 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) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide 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)

☐ ☐ 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
☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)
☑ ☐ b) Manual J sizing equipment or equivalent computation
☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment
☐ ☐ **Disclosure Statement for Owner Builders**
☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**
☐ ☐ **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. (386) 497-2321

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 $50.00

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

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) 752-8787

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

Sound Structures Engineering, Inc.

2467 Centerville Road ~ Tallahassee, Florida 32308 ~ (850) 385-5288 ~ Fax (850) 386-7586 ~ beitelman@nettally.com

(jurisdiction _____), **Activity #** 05S-789

WIND ANALYSIS - 110 MPH Wind Velocity or as interpolated (attach calculations)

Calculations as per Section 1609, FBC 2004, ASCE 7-02, or as per ASCE 7-02 (see instructions below)

Attachments required:

1. The applicable building floor plan with EACH Wind Analysis, a reduced legible plan may be provided.
2. Indicate location of all valuted or high ceilings on floor plan.
3. A truss layout from the truss engineer will be required. The layout will indicate all interior bearing walls or points.

Job Address:	Jarrell Residence, 756 SW Roberts Ave.	Date:	6/30/2006
Contractor:	Pennyworth Homes, Inc.	Subdivision/Lot/Block:	
Prepared By:	Thomas E. Beitelman	Design Professional FL Lic. #:	51870
Importance factor:	1 Building Category: II	Wind Exposure (s):	Exposure B
Internal Pressure Coefficient:	0.18		

Plans may be used as a master plan by the above contractor: Yes or (No) (circle one) Initials: TEB

Mean Roof Height:	15.5 ft	Stud Species:	☑ SPF or ☐ SYP
Species for Top Plate:	☑ SPF or ☐ SYP	Max. Stud Ht. (excluding gable end):	8'
End Zone Length:	6.0 ft	Stud Spacing:	16"
Roof Slope:	6 : 12	Max. Overhang Length (excluding porches):	12 "

HURRICANE CLIPS (HC)

Brand:	Truss Span or Location	Model # @ End Zone	Model # @ Interior Zone
Simpson Strong-Tie	Trusses T04, T05	2 - H2.5A	2 - H2.5A
	Trusses T01	2 - H10	2 - H10
	Trusses T06	2 - HTS20	2 - HTS20
	All other trusses	1 - H2.5A	1 - H2.5A

ROOF SHEATHING MATERIAL: 7/16" OSB Sheathing (be specific such as 7/16" OSB)

Fastener 8d NAILING PATTERN: Edges (perimeter) 6" o.c. Field 12" o.c.

WALL BRACING: 7/16" OSB Sheathing 100% continuous or as required: See Note 1, below.

Fastener 8d NAILING PATTERN: Edges (perimeter) 6" o.c. Field 12" o.c.

THREADED RODS

			Top	Bottom
Diameter	1/2"	Spacing 1st FLR	48" o.c.	48" o.c.
Washer	2 1/2" x 2 1/2" x 3/16"	2nd FLR	o.c.	o.c.

Notes: One rod per leg of each corner, One rod at each end of headers over 48", see attached

ANCHOR BOLTS: 1/2" dia. X 10" LONG w/2" washers

	Along Wall	From Each Corner
Spacing:	48" o.c.	6" o.c.

See Attached Sheets
Wind Analysis Only

6/30/2006

JOB ADDRESS: Jarrell Residence, 756 SW Roberts Ave.

COMPONENTS AND CLADDING PRESSURES: (100 Sq. Ft. Tributary Area)

ROOF (List Zones)	WIND LOADS [Pressure (psf)]			
1	Pressure:	-18.1	Suction:	-11.4
2	Pressure:	-25.5	Suction:	-18.8
3	Pressure:	-40.2	Suction:	-33.6
WALL (List Zones)	WIND LOADS [Pressure (psf)]			
4	Pressure:	-20.3	Suction:	-13.7
5	Pressure:	-22.7	Suction:	-16.0

MAIN WIND FORCE RESISTING SYSTEMS (MWFRS) (WORST CASE LOADS MAY BE USED)

ROOF (List Zones)	WIND LOADS [Pressure (psf)]			
2	End Zone:	-23.1	Interior Zone:	-16.0
3	End Zone:	-14.1	Interior Zone:	-11.6
WALL (List Zones)	WIND LOADS [Pressure (psf)]			
1	End Zone:	23.3	Interior Zone:	-17.3
4	End Zone:	23.3	Interior Zone:	17.3

SHEAR WALL(S) INFORMATION MAY BE SHOWN ON PLAN OR LISTED:

1 List length of shearwall, for each major wall of the structure.
2 Indicate shear PLF provided from the sheathing material used
3 Indicate the shear wall capacity based on the length and the PLF of structural sheathing
4 Indicate actual shear load on the walls

PROVIDE GABLE END BRACING DETAIL, all vaulted or high ceilings shall be balloon framed to the ceiling diaphragm.

NOTES: PLEASE READ & complete all blanks!!!

1 *See floor plan for wall bracing locations or circle* 100% *if structural sheathing is required on* <u>all</u> *exterior walls, with the nailing pattern indicated above.*
2 *There are* _____ *there are not* X *interior shear walls, locate interior shear walls on plan.*
3 *Gable ends required to be sheathed with same material as shear* ~~Yes~~ *or* No *(circle one)*
4 *Wall sheathing used in lieu of vertical straps: Nailing @ 3".* _____ *o.c. along top & bottom plates.*
5 *Provide detail for 2 story buildings showing continuous load path between 2nd floor stud & 1st floor studs.*
6 *Provide additional information for column base & column/beam connection if required for porches.*
7 *Provide calculations or documentation to substantiate method used as an attachment to this form.*

<u>Instructions:</u>

1 The form should be completed and signed, sealed and dated by a Florida licensed engineer or architect.
2 Since more than one methodology for determination of wind forces is permitted under Section 1606, FC 2001, to comply with State Building Codes a space has been provided to indicate the method used.
3 Wind Analysis Forms submitted & permitted to be used as Master Plans will be for identical plans only, minor deviations such as door swings. Any deviation from the exterior form, opening sizes or locations will not be permitted unless noted by the design professional.
4 ***<u>This form is subject to be revised.</u>***

FLOOR PLAN LEGEND

NUMBERS IN CIRCLES INDICATE SHEAR-WALL SEGMENTS
(Verify sheathing and nail spacing)

See Attached Sheets
Wind Analysis Only

6/30/2006

Wind Load Analysis Results

First Story Level

Wall Number	Length (ft)	Unit Shear (plf)	Capacity (lbs)	Actual Load (lbs)	% Used	Location
			Longitudinal Walls			
1	7.0	120.0	2087.4	839.7	40.2	Exterior
2	23.0	104.6	6858.6	2405.1	35.1	Exterior
3	7.3	105.6	2186.8	774.2	35.4	Exterior
4	12.3	112.2	3677.8	1383.4	37.6	Exterior
5	5.7	114.4	1689.8	648.1	38.4	Exterior
			Transverse Walls			
6	26.0	95.8	7753.2	2491.9	32.1	Exterior
7	6.0	83.8	1789.2	502.6	28.1	Exterior
8	21.8	78.1	6485.9	1699.6	26.2	Exterior
9	35.3	90.0	10536.4	3179.7	30.2	Exterior

Wall Bracing Panel Specifications:

	Panel Code:	Shear Walls
Outside Face	Stud Spacing	16" O.C.
	Exterior Panel Grade	OSB Sheathing
	Minimum Panel Thickness (inch)	7/16
	Minimum Nail Penetration in Framing (inc	1 1/2
	Nail Type	8d common
	Edge Nail Spacing	6"
	Intermediate Nail Spacing	12"
Inside Face	Interior Panel Grade	Gypsum Wallboard
	Thickness of Material	1/2"
	Wall Construction	Unblocked
	Nail Spacing - Edge	7" O.C.
	Nail Spacing - Intermediate	12" O.C.
	Minimum Nail Size	5d cooler or wallboard
	Total Panel Shear Capacity	298.2 plf

General Notes: PLEASE READ!

1 Roof sheathing will be a minimum of 7/16" in thickness with a nailing pattern specified on page 1.

2 Exterior wall sheathing will be a minimum of 7/16" in thickness with the nailing pattern specified above, and locations referenced from the attached sheets.

3 All exterior load-bearing and shear walls will have a stud spacing specified at 16" O.C. except as noted below.

4 All load bearing and shear walls will be framed with 2 x 4 No. 2 grade SPF studs or better.

5 Alternative hurricane clips are acceptable, provided they meet the minimum specification for those specified on page 1.

6 Bearing wall and shear wall door and window headers are to be 2-2 x 10 SYP with 1/2" CDX fletch for lengths under 6 ft unless otherwise specified on plans..

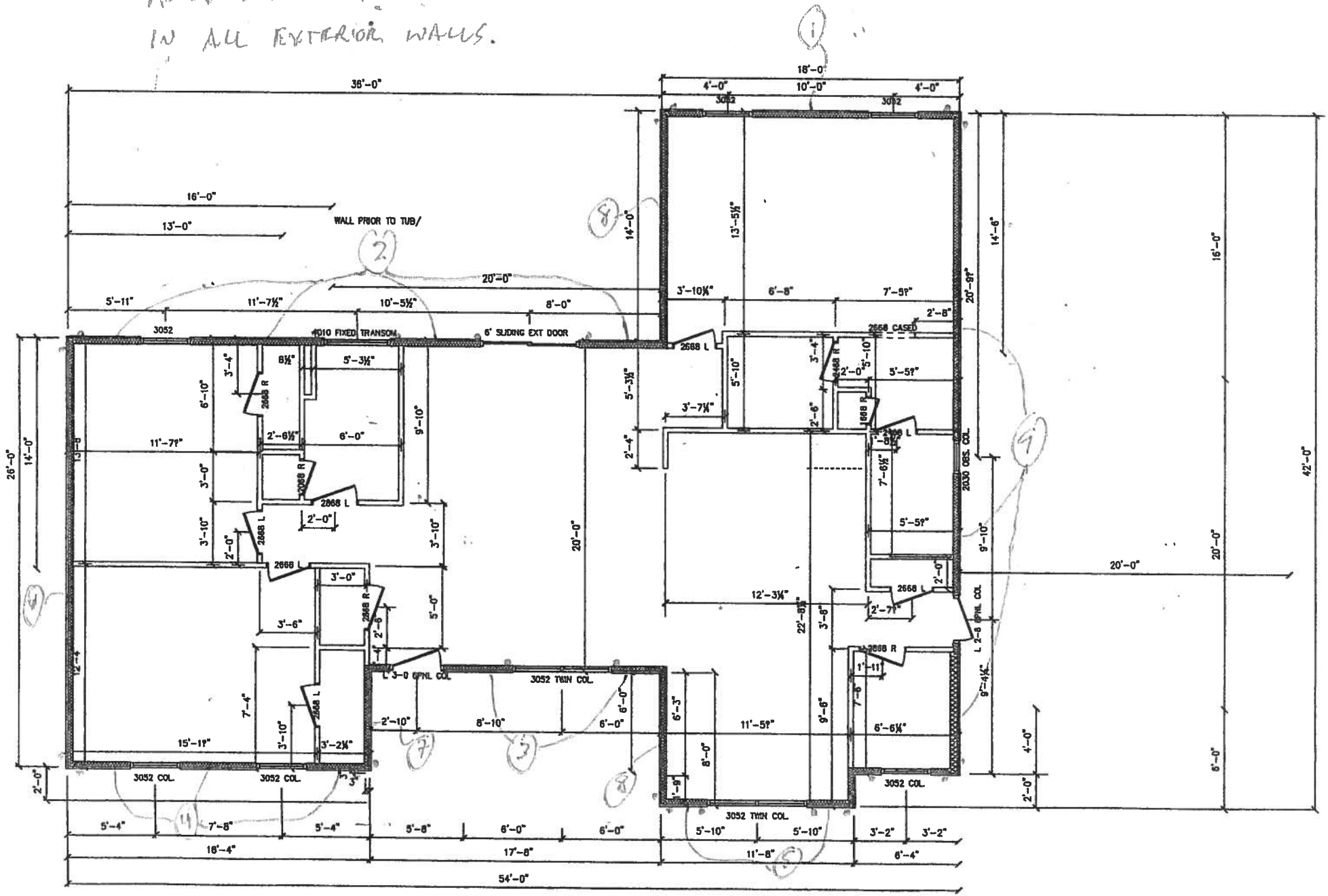
7 Simpson Strong Tie HH4 Header Hanger or equivalent should be provided on bearing wall and shear wall door and window openings over 6 ft.

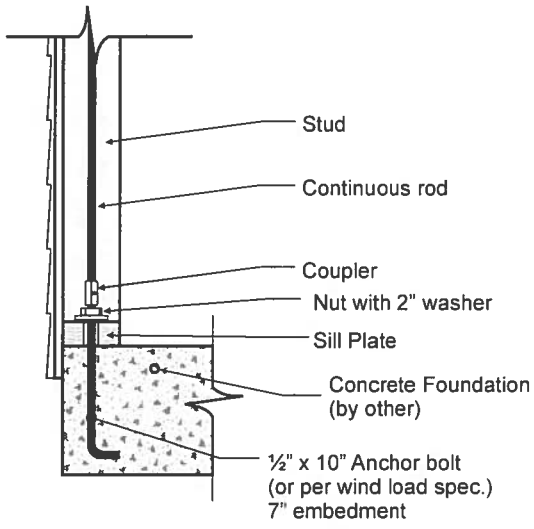
8 Simpson Strong Tie model #HD5A hold downs are acceptable alternatives to the specified PHD2-SPS3.

9 4" x 4" Posts will require Simpson Strong Tie Post Bases model #ABU44 or better and double LSTA18 straps on each beam at top.

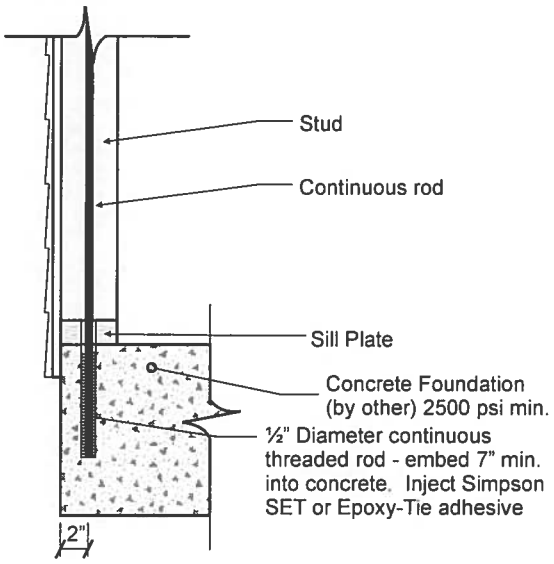
● — LOCATION OF THREADED RODS FOR CORNERS & OPENINGS OVER 9'8"

ALSO INSTALL THREADED RODS WITH A MAX. SPACING OF 4'-0" O.C. IN ALL EXTERIOR WALLS.

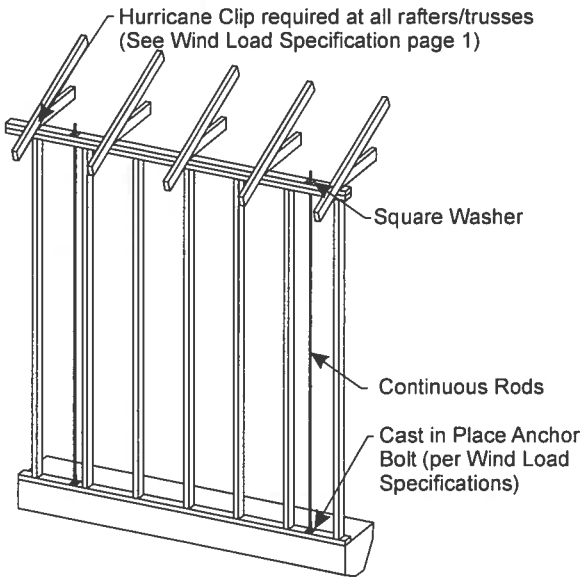




Typical Edge Detail



Alternate Edge Detail



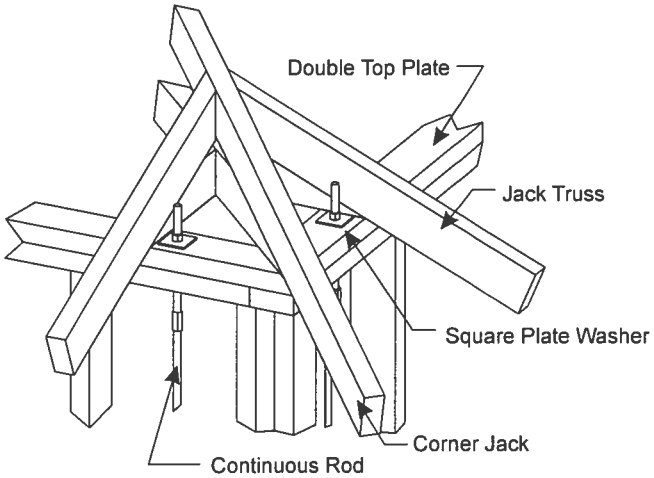
One Story Exterior Wall Detail

Specifications For Threaded Rod Assembly

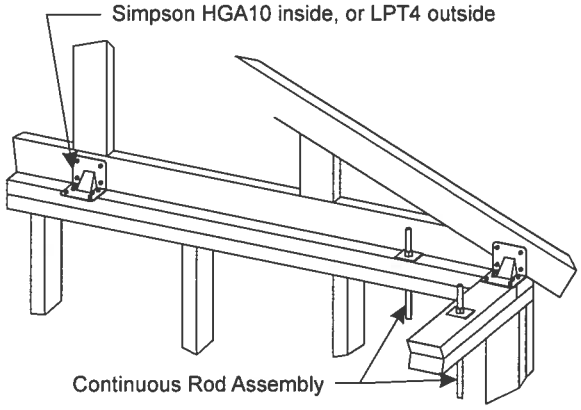
- *Install one rod per leg of each corner*
- *Install one rod at each end of headers over 48"*
- *Install one rod every 48" O.C. in exterior walls*
- *Install one rod every 48" O.C. in interior load bearing walls*
- *Install one rod at the end of each shearwall*

			UPLIFT Top Plate Species	
Use	Diameter	Washer Type	SPF	SYP
	3/8"	2" x 2" x 1/8"	1950	2405
	3/8"	2 ½" x 2 ½" x 3/16"	2405	2405
X	½"	2 ½" x 2 ½" x 3/16"	2933	3900
	½"	3" x 3" x 1/4"	4010	4010
	5/8"	3" x 3" x 1/4"	4140	5485
	5/8"	3 ½" x 3 ½" x 1/4"	5600	7050
	3/4"	3" x 3" x 1/4"	4070	5420
	3/4"	3 ½" x 3 ½" x 1/4"	5530	7360

***Uplift values above based on 3000 psi concrete and cast in place anchor bolts*

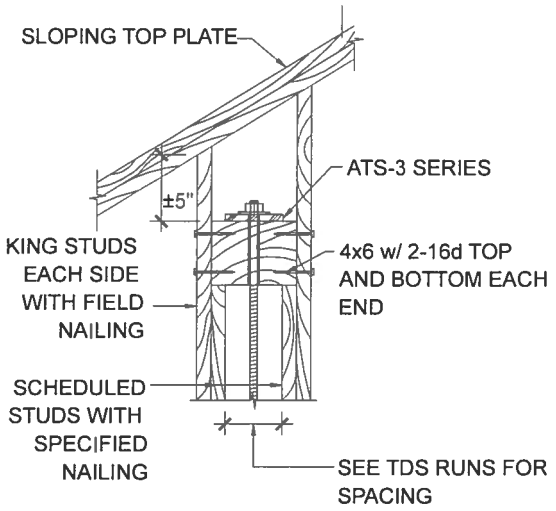


Typical Hip Tie-Down Exterior Corner Detail

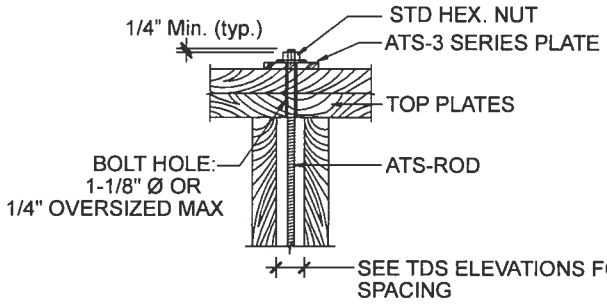


Typical Gable Tie-Down Wall Detail

Typical Threaded Rod Installation Details

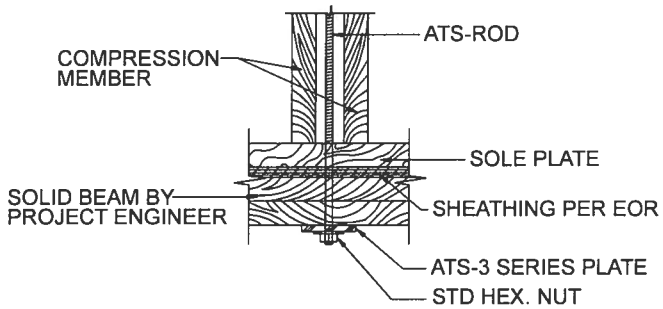


BEARING PLATE DETAIL AT RAKED WALL

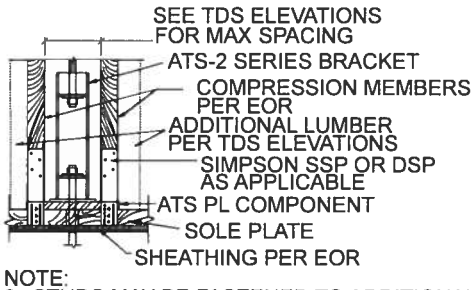


NO SPLICE IN TOP PLATES PERMITTED WITHIN 8-INCHES OF ATS-ROD.

TOP PLATE DETAIL

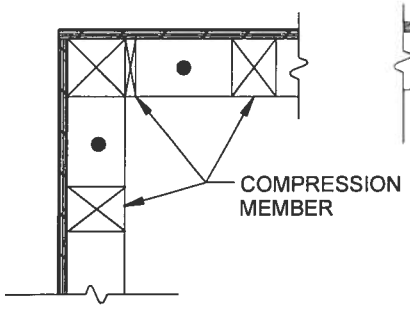


WOOD BEAM DETAIL

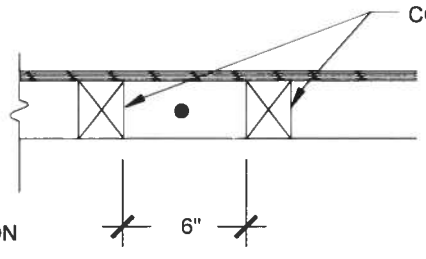


NOTE:
2x STUDS MAY BE FASTENED TO ADDITIONAL LUMBER WITH 10d COM. NAILS @ 12" OC IN LIEU OF SSP.

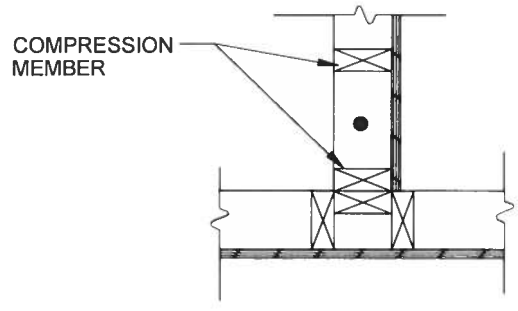
STUDS OVER ATS-PL PLATES



CORNER INSTALLATION



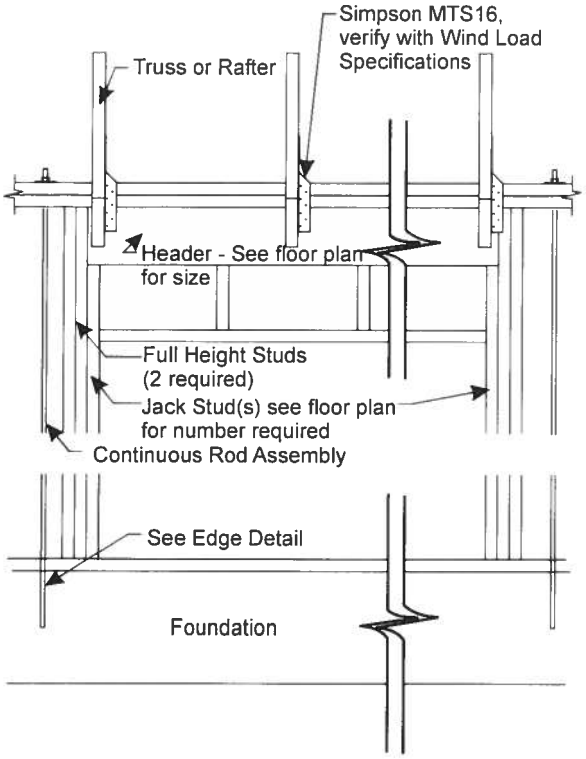
MID-WALL INSTALLATION



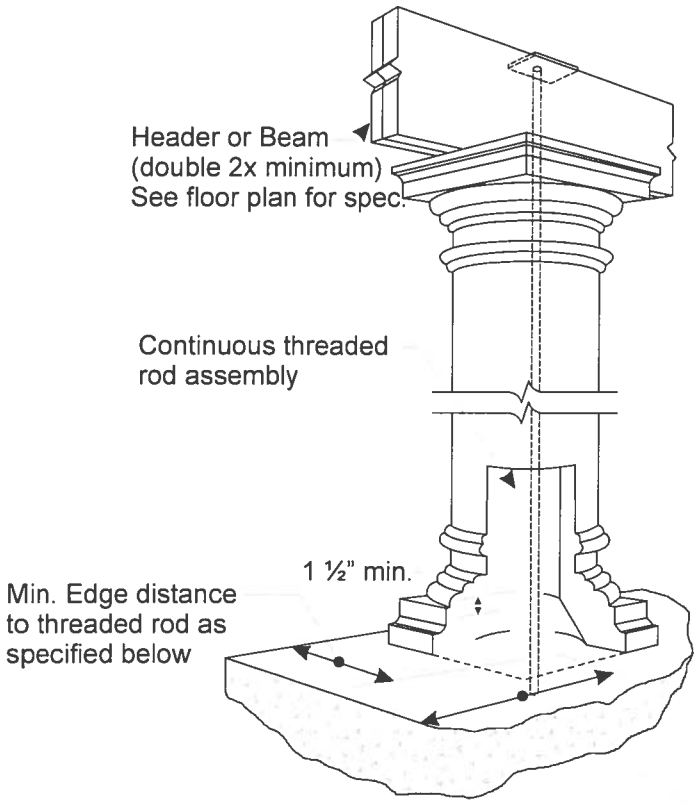
PERPENDICULAR TO WALL INSTALLATION

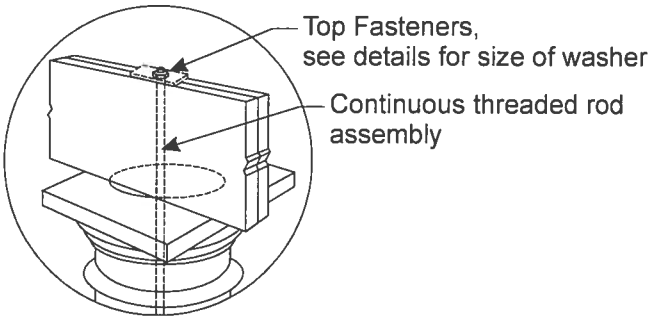
Typical Simpson Strong Tie ANCHOR TIEDOWN SYSTEM DETAILS

See manufacturer literature for additional information



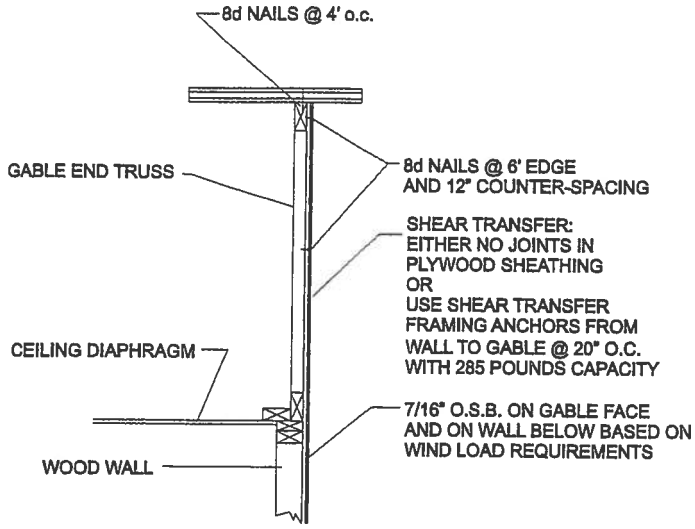
Typical Header Detail





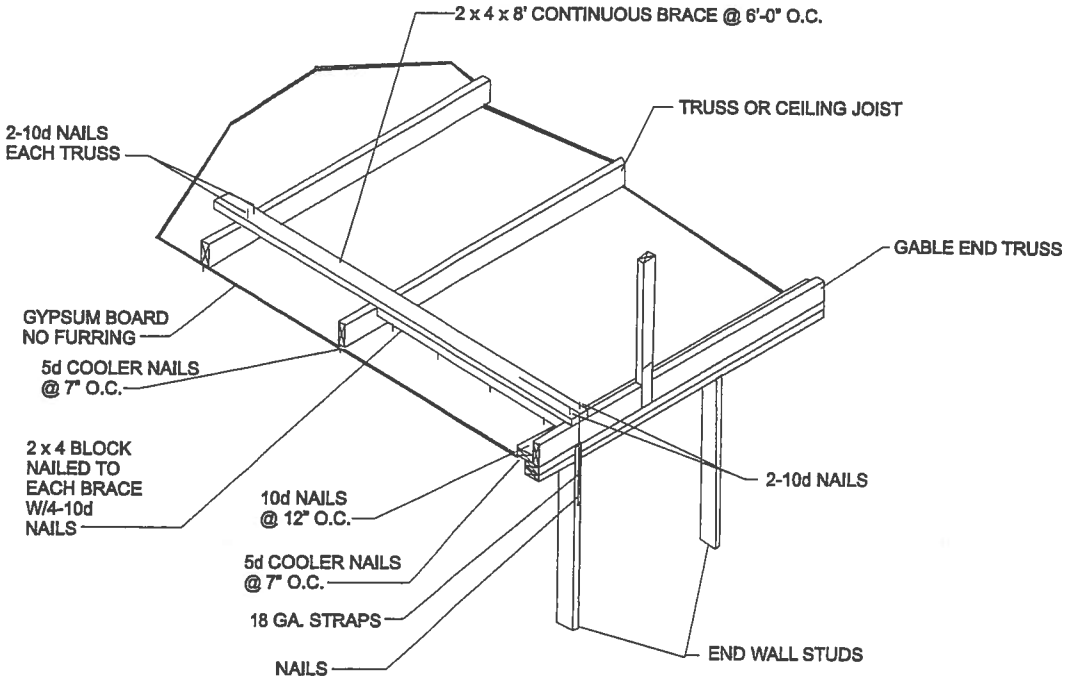
Notes:
1 - In cases where anchor rod is installed after foundation is poured, drill hole to depth noted in table below and use Simpson Epoxy-Tie.

Hollow Post Connection



GABLE END WALL, PLATFORM FRAMING

NTS



CEILING CONNECTION TO GABLE END WALL

NTS

GABLE DETAILS

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 756 SW ROBERTS AVE, FT WHITE FL 32038

Project Name: MARSHA FARRELL

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

Manufacturer	Category	Product Description	App#	
Owens Corning	Roofing	Asphalt Shingles	FL85	
Owens Corning	Panel Walls	Siding	FL920	

Limits of use

Products must be install in accordance with Florida Building Code Non High Velocity Hurricane Zone Areas. All sections of the Florida Building Code that apply to all the counties except Dade and Broward must be followed.

1. Vinyl siding is limited to Type VI construction, as defined below. SECTION 608 - TYPE VI CONSTRUCTION Type VI is construction in which the exterior bearing and nonbearing walls and partitions, beams, girders, trusses, arches, floors, and roofs and their supports are wholly or partly of wood or other approved materials. Type VI construction may be either protected or unprotected. Fire resistance requirements for structural elements of Type VI construction shall be as specified in Table 600. 2. Owens Corning vinyl siding systems shall not be installed within the High Velocity Hurricane Zones of the Florida Building Code or on Educational Facilities within the State of Florida. 3. Compliance is valid only if the subject profile trade name is current on the VSI Vinyl Siding Certification Program, Certified Products List. The current list can be found at www.vinylsiding.org . 4. Limitations relating to wind load performance are provided in Appendix 1. A. Unless otherwise noted, fasteners for vinyl siding are limited to min. 1½" long x 0.125" shank diameter x minimum 3/8" head diameter galvanized roofing nails. B. Unless otherwise noted nails shall engage the stud framing members. C. Use of the wind load performance worksheets is limited to wall height less than or equal to 30 feet. For elevations exceeding this limitation, design pressures shall be determined in accordance with ASCE 7-98 on a project-specific basis for comparison to wind load resistance data in accordance with ASTM D 5206 and Annex A1 of D 3679 . All

					calculations and analysis shall be completed by a Florida Registered Architect or Professional Engineer. D. Use of the wind load performance worksheets is limited to wall assemblies having either internal or external sheathing. For applications where siding is installed over open studding, the required test pressure shall be determined in accordance with ASCE 7-98 and Section A1.2.3 of ASTM D 3679. All calculations and analysis shall be completed by a Florida Registered Architect or Professional Engineer.
Owens Corning	Panel Walls	Sofit	FL2633		N / A
Owens Corning	Roofing	Cements-Adhesives	FL2276		Tested and approved for use on metal roofs, SBS modified bitumen membranes, built-up roofing and spay polyurethane foam. Not yet submitted to, nor approved by, Dade County for High Velocity Hurricane Zones (HVHZ).
Owens Corning	Roofing	Underlayment	FL1000		N / A
Atrium Window and Doors, NC	Windows	Single Hung	FL1030		(100 SH H-R25 35 X 72), (100 SH H-R25 44 X 60), (200 SH H-R30 48 X 78),(200 SH H-R35 36 X 74), (200 SHHP/OS H-R50 36 X 74), (200 SHHP/OS H-R35 48 X 84)
Silverline Windows	Windows	Single Hung	FL4065		, All Windows are to be Installed per Manufacturers Installation Drawings. Anchor Size, Type and Spacing are determined by the type of construction per Manufacturers Installation Drawings.
Therma-Tru Doors	Ext. Doors	Swinging	FL5268		All use of product is restricted to, and assembly and installation of product must conform to documentation published by Therma-Tru.
Hy-Lite Products.	Windows	Fixed	FL2025		600/800 98x98 F-C30/ 74x74 F-HC40 / 50x50 F-HC80/ 26x82 F-C80 625/825 74x74 F-C35/ 50x50 F-C80/ 26x82 F-C80 Low Profile Builders Series 77x77 F-HC40/ 52x52 F-HC70/ 31x87 F-C80 Glass Block Series Alum. 57x57 F-LC50/ Vinyl 57x57 F-LC80 Prestige Fixed Window 79x79 F-C35/ 55x55 F-C80/ 31x87 F-C80
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (LU26)	FL474		N / A
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (PHD2)	FL503		N / A
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (H10)	FL474		N / A
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (ABU66)	FL474		N / A

Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (SP1)	FL474		N / A
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (SP2)	FL474		N / A
Simpson Strong-Tie Co.	Structural Components	Wood Connector Anchors (24" Flat Strap)	FL474		N / A
Trus Joist	Structural Components	Engineered Wood	FL1630		N / A
MiTeck Industries Inc.	Structural Components	Truss Plates	FL2197		N / A
James Hardi Siding	Envelope Products	Cement Fiber Siding	FL889		N / A
Atlas Roofing Corp	Roofing	Roofing Felt	FL1996		N / A
Tyvek		House Wrap	FL2145		N / A
Overhead Door Corp.	Ext. Doors	Garage Door	FL674		N / A
Royal Siding	Panel Walls	Siding	FL976		All siding shall be installed in accordance with the manufacturer"s published installation instructions and ASTM D4756 Practice for the installation of Rigid Poly(Vinyl Chloride)(PVC) Siding and Soffit. Siding shall be used only on buildings where combustable exterior walls are permitted.
Royal Siding	Panel Walls	Sofit	FL976		All siding shall be installed in accordance with the manufacturer"s published installation instructions and ASTM D4756 Practice for the installation of Rigid Poly(Vinyl Chloride)(PVC) Siding and Soffit. Siding shall be used only on buildings where combustable exterior walls are permitted.
Clopay	Ext. Doors	Garage Door	FL542		N / A

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.
I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Pennyworth Homes, Inc.

Contractor or Contractor's Authorized Agent Signature

Print Name Jason Bishop

Date 7/13/06

Location 756 SW Roberts Ave, Ft White FL 32038

Permit # **(FOR STAFF USE ONLY)**

Sound Structures Engineering, Inc.

2467 Centerville Road ~ Tallahassee, Florida 32308 ~ (850) 385-5288 ~ Fax (850) 386-7586 ~ beitelman@nettally.com

(jurisdiction _____), **Activity #** 05S-789

WIND ANALYSIS - 110 MPH Wind Velocity or as interpolated (attach calculations)

Calculations as per Section 1609, FBC 2004, ASCE 7-02, or as per ASCE 7-02 (see instructions below)

Attachments required:

1. The applicable building floor plan with EACH Wind Analysis, a reduced legible plan may be provided.
2. Indicate location of all valuted or high ceilings on floor plan.
3. A truss layout from the truss engineer will be required. The layout will indicate all interior bearing walls or points.

Job Address:	Jarrell Residence, 756 SW Roberts Ave.	Date:	6/30/2006
Contractor:	Pennyworth Homes, Inc.	Subdivision/Lot/Block:	
Prepared By:	Thomas E. Beitelman	Design Professional FL Lic. #:	51870
Importance factor:	1 Building Category: II	Wind Exposure (s):	Exposure B
Internal Pressure Coefficient:	0.18		

Plans may be used as a master plan by the above contractor: Yes or (No) (circle one) Initials: TEB

Mean Roof Height:	15.5 ft	Stud Species:	☑ SPF or ☐ SYP
Species for Top Plate:	☑ SPF or ☐ SYP	Max. Stud Ht. (excluding gable end):	8'
End Zone Length:	6.0 ft	Stud Spacing:	16"
Roof Slope:	6 : 12	Max. Overhang Length (excluding porches):	12 "

HURRICANE CLIPS (HC)

Brand:	Truss Span or Location	Model # @ End Zone	Model # @ Interior Zone
Simpson Strong-Tie	Trusses T04, T05	2 - H2.5A	2 - H2.5A
	Trusses T01	2 - H10	2 - H10
	Trusses T06	2 - HTS20	2 - HTS20
	All other trusses	1 - H2.5A	1 - H2.5A

ROOF SHEATHING MATERIAL: 7/16" OSB Sheathing (be specific such as 7/16" OSB)

Fastener 8d NAILING PATTERN: Edges (perimeter) 6" o.c. Field 12" o.c.

WALL BRACING: 7/16" OSB Sheathing 100% continuous or as required: See Note 1, below.

Fastener 8d NAILING PATTERN: Edges (perimeter) 6" o.c. Field 12" o.c.

THREADED RODS

			Top	Bottom
Diameter	1/2"	Spacing 1st FLR	48" o.c.	48" o.c.
Washer	2 1/2" x 2 1/2" x 3/16"	2nd FLR	o.c.	o.c.

Notes: One rod per leg of each corner, One rod at each end of headers over 48", see attached

ANCHOR BOLTS: 1/2" dia. X 10" LONG w/2" washers

	Along Wall	From Each Corner
Spacing:	48" o.c.	6" o.c.

See Attached Sheets
Wind Analysis Only

6/30/2006

JOB ADDRESS: Jarrell Residence, 756 SW Roberts Ave.

COMPONENTS AND CLADDING PRESSURES: (100 Sq. Ft. Tributary Area)

ROOF (List Zones)	WIND LOADS [Pressure (psf)]			
1	Pressure:	-18.1	Suction:	-11.4
2	Pressure:	-25.5	Suction:	-18.8
3	Pressure:	-40.2	Suction:	-33.6
WALL (List Zones)	WIND LOADS [Pressure (psf)]			
4	Pressure:	-20.3	Suction:	-13.7
5	Pressure:	-22.7	Suction:	-16.0

MAIN WIND FORCE RESISTING SYSTEMS (MWFRS) (WORST CASE LOADS MAY BE USED)

ROOF (List Zones)	WIND LOADS [Pressure (psf)]			
2	End Zone:	-23.1	Interior Zone:	-16.0
3	End Zone:	-14.1	Interior Zone:	-11.6
WALL (List Zones)	WIND LOADS [Pressure (psf)]			
1	End Zone:	23.3	Interior Zone:	-17.3
4	End Zone:	23.3	Interior Zone:	17.3

SHEAR WALL(S) INFORMATION MAY BE SHOWN ON PLAN OR LISTED:

1 List length of shearwall, for each major wall of the structure.
2 Indicate shear PLF provided from the sheathing material used
3 Indicate the shear wall capacity based on the length and the PLF of structural sheathing
4 Indicate actual shear load on the walls

PROVIDE GABLE END BRACING DETAIL, all vaulted or high ceilings shall be balloon framed to the ceiling diaphragm.

NOTES: PLEASE READ & complete all blanks!!!

1 *See floor plan for wall bracing locations or circle 100% if structural sheathing is required on all exterior walls, with the nailing pattern indicated above.*
2 *There are _____ there are not X interior shear walls, locate interior shear walls on plan.*
3 *Gable ends required to be sheathed with same material as shear Yes or No (circle one)*
4 *Wall sheathing used in lieu of vertical straps: Nailing @ 3". o.c. along top & bottom plates.*
5 *Provide detail for 2 story buildings showing continuous load path between 2nd floor stud & 1st floor studs.*
6 *Provide additional information for column base & column/beam connection if required for porches.*
7 *Provide calculations or documentation to substantiate method used as an attachment to this form.*

Instructions:

1 The form should be completed and signed, sealed and dated by a Florida licensed engineer or architect.
2 Since more than one methodology for determination of wind forces is permitted under Section 1606, FC 2001, to comply with State Building Codes a space has been provided to indicate the method used.
3 Wind Analysis Forms submitted & permitted to be used as Master Plans will be for identical plans only, minor deviations such as door swings. Any deviation from the exterior form, opening sizes or locations will not be permitted unless noted by the design professional.
4 ***This form is subject to be revised.***

FLOOR PLAN LEGEND

NUMBERS IN CIRCLES INDICATE SHEAR-WALL SEGMENTS
(Verify sheathing and nail spacing)

See Attached Sheets
Wind Analysis Only

6/30/2006

Wind Load Analysis Results

First Story Level

Wall Number	Length (ft)	Unit Shear (plf)	Capacity (lbs)	Actual Load (lbs)	% Used	Location
			Longitudinal Walls			
1	7.0	120.0	2087.4	839.7	40.2	Exterior
2	23.0	104.6	6858.6	2405.1	35.1	Exterior
3	7.3	105.6	2186.8	774.2	35.4	Exterior
4	12.3	112.2	3677.8	1383.4	37.6	Exterior
5	5.7	114.4	1689.8	648.1	38.4	Exterior
			Transverse Walls			
6	26.0	95.8	7753.2	2491.9	32.1	Exterior
7	6.0	83.8	1789.2	502.6	28.1	Exterior
8	21.8	78.1	6485.9	1699.6	26.2	Exterior
9	35.3	90.0	10536.4	3179.7	30.2	Exterior

Wall Bracing Panel Specifications:

	Panel Code:	Shear Walls
Outside Face	Stud Spacing	16" O.C.
	Exterior Panel Grade	OSB Sheathing
	Minimum Panel Thickness (inch)	7/16
	Minimum Nail Penetration in Framing (inc	1 1/2
	Nail Type	8d common
	Edge Nail Spacing	6"
	Intermediate Nail Spacing	12"
Inside Face	Interior Panel Grade	Gypsum Wallboard
	Thickness of Material	1/2"
	Wall Construction	Unblocked
	Nail Spacing - Edge	7" O.C.
	Nail Spacing - Intermediate	12" O.C.
	Minimum Nail Size	5d cooler or wallboard
	Total Panel Shear Capacity	298.2 plf

General Notes: PLEASE READ!

1 Roof sheathing will be a minimum of 7/16" in thickness with a nailing pattern specified on page 1.

2 Exterior wall sheathing will be a minimum of 7/16" in thickness with the nailing pattern specified above, and locations referenced from the attached sheets.

3 All exterior load-bearing and shear walls will have a stud spacing specified at 16" O.C. except as noted below.

4 All load bearing and shear walls will be framed with 2 x 4 No. 2 grade SPF studs or better.

5 Alternative hurricane clips are acceptable, provided they meet the minimum specification for those specified on page 1.

6 Bearing wall and shear wall door and window headers are to be 2-2 x 10 SYP with 1/2" CDX fletch for lengths under 6 ft unless otherwise specified on plans..

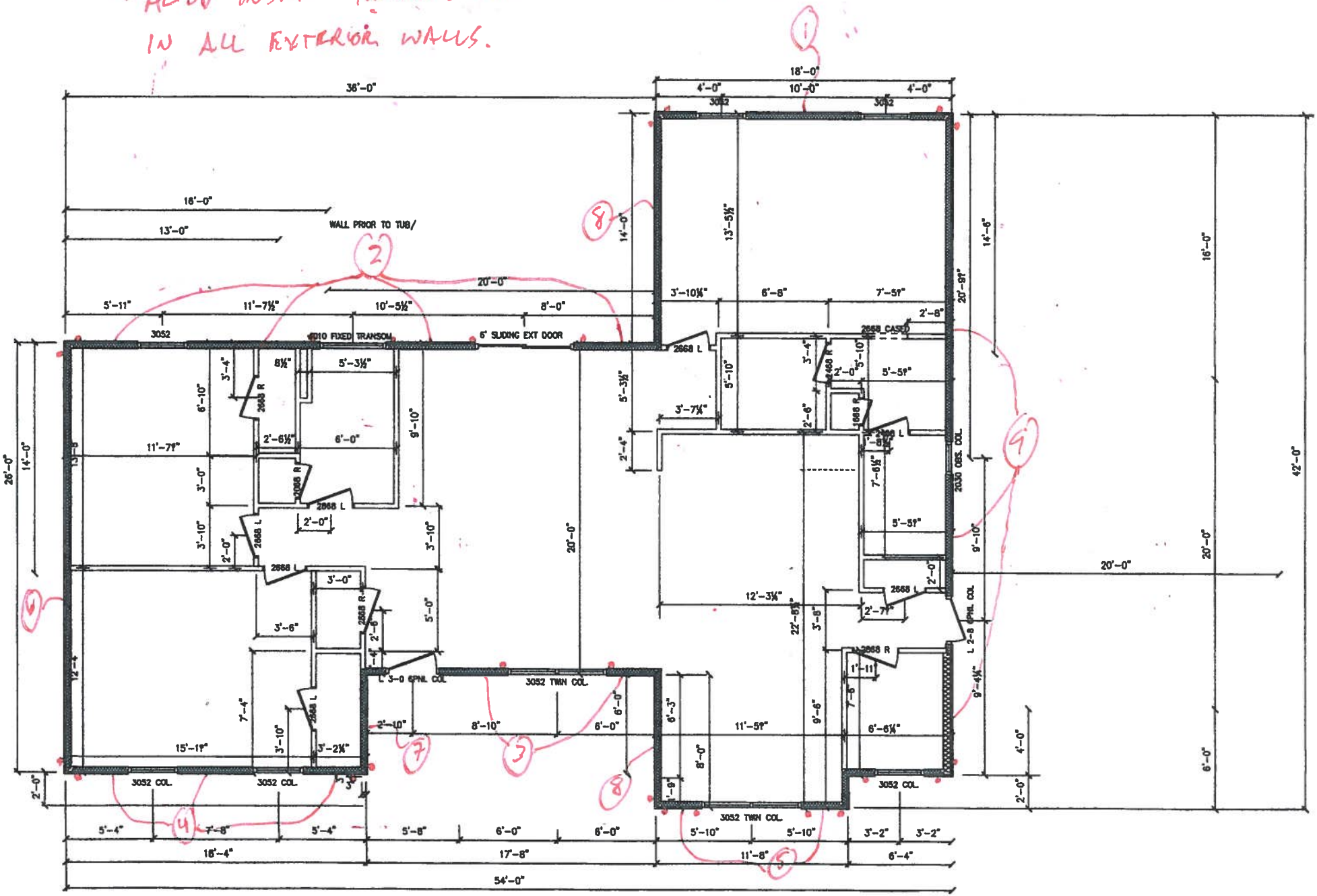
7 Simpson Strong Tie HH4 Header Hanger or equivalent should be provided on bearing wall and shear wall door and window openings over 6 ft.

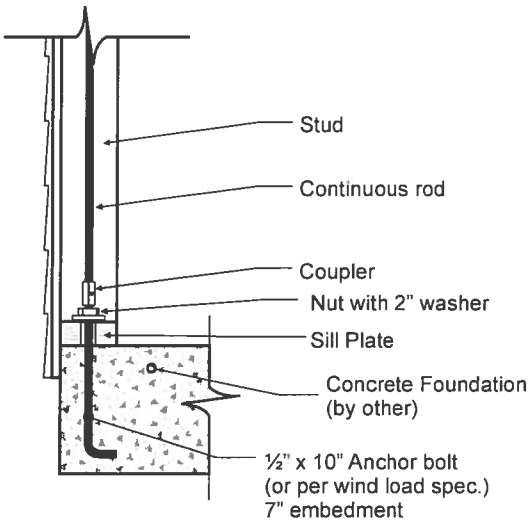
8 Simpson Strong Tie model #HD5A hold downs are acceptable alternatives to the specified PHD2-SPS3.

9 4" x 4" Posts will require Simpson Strong Tie Post Bases model #ABU44 or better and double LSTA18 straps on each beam at top.

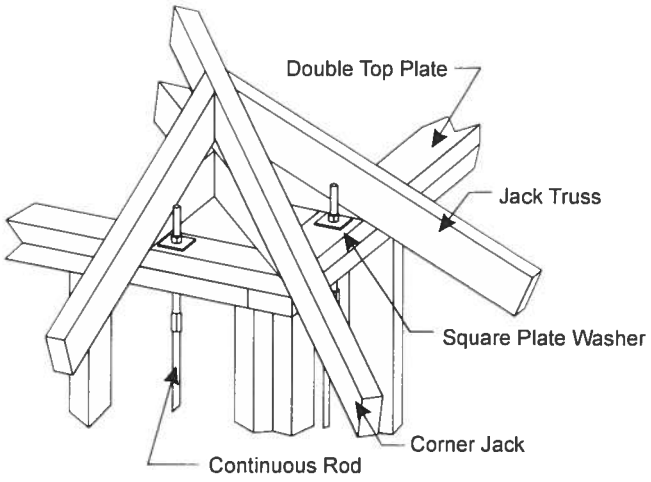
● – LOCATION OF THREADED RODS FOR CORNERS & OPENINGS OVER 48"

* ALSO INSTALL THREADED RODS WITH A MAX. SPACING OF 48" O.C. IN ALL EXTERIOR WALLS.

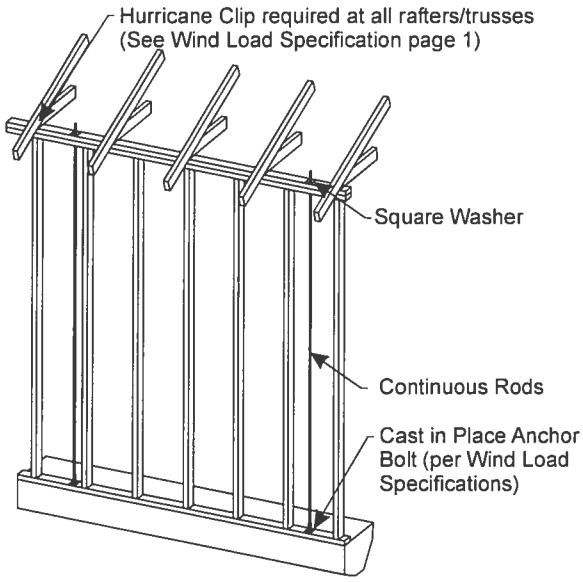




Typical Edge Detail



Typical Hip Tie-Down
Exterior Corner Detail

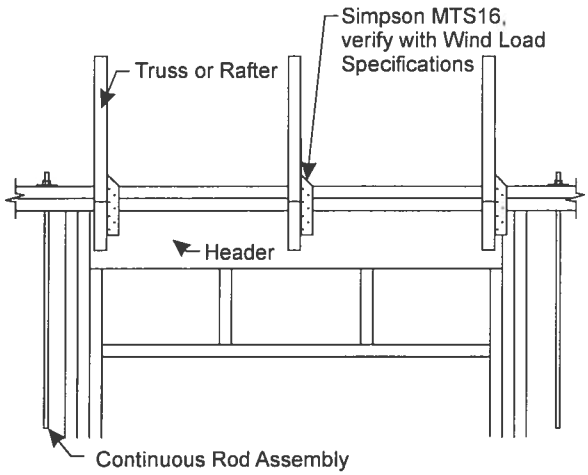


One Story Exterior Wall Detail

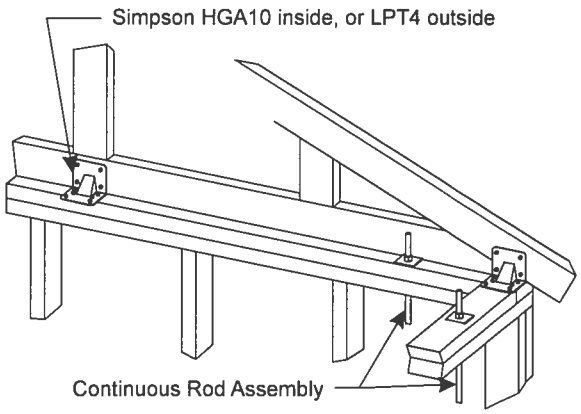
Specifications For Threaded Rod Assembly
- Install one rod per leg of each corner
- Install one rod at each end of headers over 48"
- Install one rod every 48" O.C. in exterior walls
- Install one rod every 48" O.C. in interior load bearing walls
- Install one rod at the end of each shearwall

			UPLIFT Top Plate Species	
Use	Diameter	Washer Type	SPF	SYP
	3/8"	2" x 2" x 1/8"	1950	2405
	3/8"	2 ½" x 2 ½" x 3/16"	2405	2405
X	½"	2 ½" x 2 ½" x 3/16"	2933	3900
	½"	3" x 3" x 1/4"	4010	4010
	5/8"	3" x 3" x 1/4"	4140	5485
	5/8"	3 ½" x 3 ½" x 1/4"	5600	7050
	3/4"	3" x 3" x 1/4"	4070	5420
	3/4"	3 ½" x 3 ½" x 1/4"	5530	7360

***Uplift values above based on 3000 psi concrete and cast in place anchor bolts*

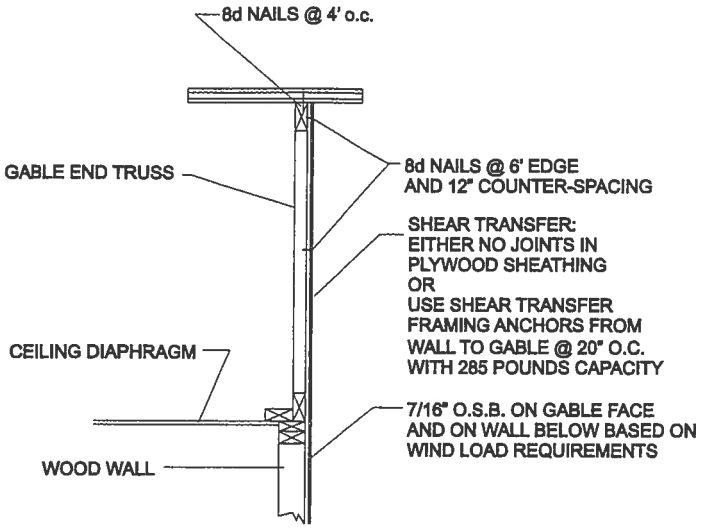


Typical Header Detail



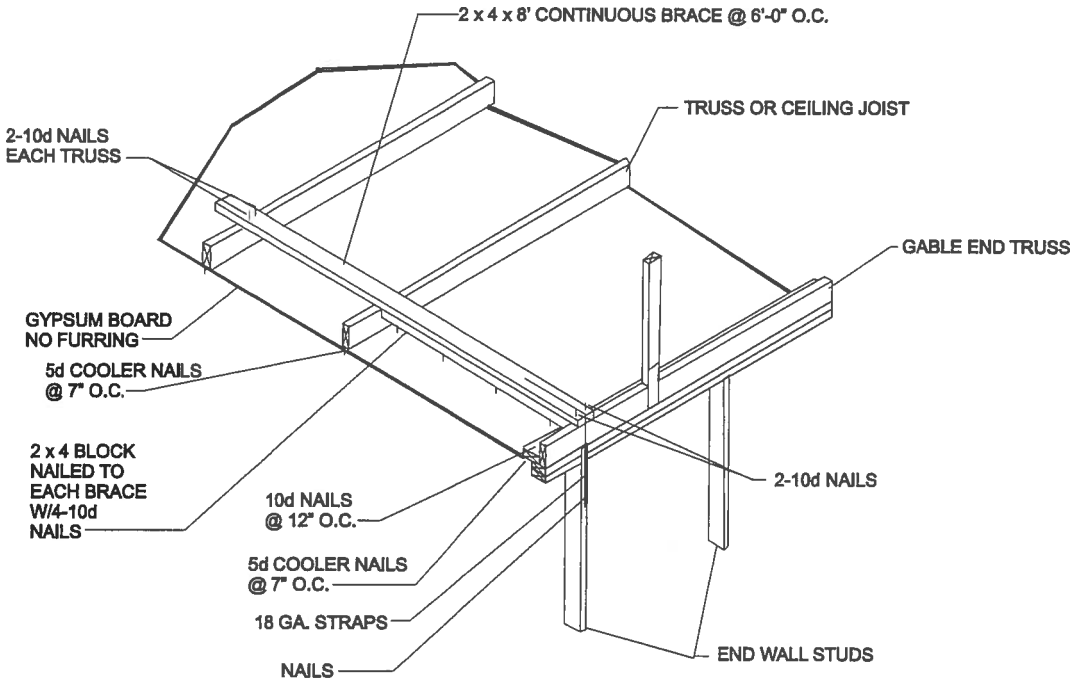
Typical Gable Tie-Down Wall Detail

Typical Threaded Rod Installation Details



GABLE END WALL, PLATFORM FRAMING

NTS



CEILING CONNECTION TO GABLE END WALL

NTS

GABLE DETAILS

HOMETEAM
PEST DEFENSE®

TREATMENT WORKORDER # 24777

☐ Termite Baiting System w/Tubes-under-the slab

☐ Treat Only ☐ Tubes-under-the slab and Treat ☒ Bora-Care

DATE CALLED IN:	10-24	DATE OF SCHEDULE:	10-25
TIME CALLED IN:		TIME SCHEDULE:	

JOB NAME: PWH SUBDIVISION:

JOB ADDRESS: 756 SW Roberts Ave
Ft. White, FL 32038

BILLING NAME: BILLING PHONE:

BILLING ADDRESS:

CALLED IN BY: PHONE: PERMIT NUMBER:

LOT & MODEL NUMBER: _____

DATE & TIME COMPLETED: 10/25/06 12:30

SQUARE FOOT: 1679 LINEAR FOOT: _____ BLOCKVOIDS: _____

SLAB TYPE: _____ TYPE OF FILL: _____

APPROX. DEPTH OF FOOTING: Outside: _____ Inside: _____

☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway

☑ Final/Completion ☐ Other _____

PESTICIDE USED: Boracare TOTAL APPLIED: 3 gal

PERCENT (%) USED: .23 STICKER POSTED: yes

PRICE PER SQ. FT. =	TOTAL FOR P.T.		
	ADDITIONAL		
	TAX:		
/ /	TOTAL AMOUNT	$	

X _____ X TECHNICIAN: Billy

I hereby acknowledge the satisfactory completion of the above described work.

GT 23 / TCI 12/05

UNIVERSAL
ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

PERMIT # 00002477

CLIENT: ~~Richardson~~ RICHARDSON SITE

PROJECT: LUKE RES. 756 S.W. ROBERTS AVE FORT WHITE, FL. 32038

AREA TESTED: FILL & PROP. BLDG. PAD & FOUND.

COURSE: FILL DEPTH OF TEST: 0-1'

TYPE OF TEST: D-2922 DATE TESTED: 9-6-06

NOTE: The below tests DO ~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		107.1			10.7
APP. CNTR OF N. 1/2 OF BLDG. PAD	102.1		95.3	4.8	
APP CNTR OF E. INT. FOUND.	102.3		95.5	5.1	
APP 10' N.E. OF THE S.W. CORNER OF PAD	102.5		95.7	4.5	
		M			

4404

TECH. SC

HOMETEAM
PEST DEFENSE

Marsha Jarrell
156 S.W. Roberts Ave.
Ft. White, FL 32038

Permit # 00002477.1
Pennyworth Homes

Notice of Intent For Preventative Treatments for Termites

(as required by Florida Building Code (FBC) 104.2.6)

(Address of Treatment or Lot/Block of Treatment)

9-5-06
Date

BORA-CARE Termiticide (Wood Treatment)
Product Used

Disodium Octaborate Tetrahydrate — **Chemical used (active ingredient)**

23% Active Ingredient — **Percent Concentration**

Application will be performed onto structural wood at dried-in stage of construction
Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

BORA-CARE Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1.8.

(INFORMATION TO BE PROVIDED TO LOCAL BUILDING CODE OFFICES PRIOR TO CONCRETE FOUNDATION INSTALLATION)

UNIVERSA
ENGINEERING SCIENCE
Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Mat
4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (

CLIENT: Richardson site

PROJECT: Lake Des Ft. Wh

AREA TESTED: Fill & prof. Bldg. PAD

COURSE: Fill

TYPE OF TEST: D-2922

NOTE: The below tests ~~DO DO NOT~~ meet t
of maximum density.

REMARKS:

Notice of Final Subterranean Termite Treatment
(as required by Florida Building Code (FBC) 1816.1.7)

10/25/06 12:30 Billy
Date of treatment Time Applicator's name

Bora-Care 3 # 24777
Chemical name Number of gallons

Disodium Octaborate Tetrahydrate, 23 %
Chemical active ingredient

756 SW Roberts AVE
Final treatment address and Lot #

1-11 Wood 2FT up floor slab 1679
Area treated Square footage

Pennyworth
Contractor / Builder name

The building has recieved a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

This final termite treatment notification is pursuant to Section: 104.2.7 of the Florida Building Code and Chapter 482 Florida Statutes 482.226 (6).

This final treatment notification does not change the original termite wood pretreatment date. The warranty renewal date for this structure will continue to be the original pretreatment date. HomeTeam Pest Defense will notify by mail the owners of the structure when the termite renewal is due for extended termite warranty coverage, and inspection.

Should it be determined that any portion of the termite Bora-Care wood pretreatment and/or slab, was damaged or disturbed in any way after any termite wood treatment, it is the responsibility of the builder/contractor to have this area retreated by HomeTeam Pest Defense. HomeTeam Pest Defense reserves the right to void all termite warranty coverage if this practice is not followed.

HOMETEAM PEST DEFENSE®
6694 Columbia Park Drive So., Suite 3
Jacksonville, FL 32258
(904) 730-2522 FAX: (904) 730-3244

LOCATION OF TESTS					
		107.7			10.5
APP. 20' N.E. OF THE S.W. CORNER OF PAD	102.3		95.5	4.0	
APP. CNTR OF PAD	101.9		95.1	3.5	
APP. 25' S.W. OF THE N.E. CORNER OF PAD	102.5		~~95.7~~	3.1	

TECH. SC

4404

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 30-6S-16-03987-001 **Building permit No.** 000024777

Use Classification SFD,UTILITY **Fire:** 0.00

Permit Holder PENNYWORTH HOMES **Waste:**

Owner of Building MARSHA JARRELL **Total:** 0.00

Location: 756 SW ROBERTS AVE, FT. WHITE, FL

Date: 01/03/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)