

DATE06/18/2007

Columbia County Building Permit

PERMIT000025925

This Permit Expires One Year From the Date of Issue

APPLICANTGREGORY L. STAPLETON

PHONE386.752.1953

ADDRESS610SW TOMPKINS STREET

LAKE CITYFL32024

OWNERGREGORY L. STAPLETON

PHONE386.752.1953

ADDRESS610SW TOMPKINS STREET

LAKE CITYFL32024

CONTRACTORGREGORY L. STAPLETON

PHONE386.752.1953

LOCATION OF PROPERTY

90-W TO SR 247-S,TL TO TROY ROAD,TR TO DEAD END,TO TOMPKINS,TL AND GO THRU GATE @ SITE.

TYPE DEVELOPMENTMODULAR/UTILITY

ESTIMATED COST OF CONSTRUCTION0.00

HEATED FLOOR AREA

TOTAL AREA

HEIGHT

STORIES

FOUNDATIONCONC

WALLS

ROOF PITCH

FLOORCONC

LAND USE & ZONINGRR

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT25.00

REAR15.00

SIDE10.00

NO. EX.D.U.0

FLOOD ZONExps

DEVELOPMENT PERMIT NO.

PARCEL ID16-4S-16-03025-000

SUBDIVISION

LOT

BLOCK

PHASE

UNIT

TOTAL ACRES1.00

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING

07-0476

BLK

JTH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:1 FOOT ABOVE ROAD. M/H HAS BEEN REMOVED. NOC ON FILE. REPLACEMENT.

Check # or Cash11051

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$0.00

CERTIFICATION FEE \$0.00

SURCHARGE FEE \$0.00

MISC. FEES \$200.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$

TOTAL FEE275.00

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

CC 236 984-5879
Revised 9-23-04

For Office Use Only Application # 0706-26 Date Received 6/8 By JW Permit # 25925
Application Approved by - Zoning Official BLK Date 08.06.07 Plans Examiner OKYTH Date 6-18-07
Flood Zone XPSURV Development Permit MA Zoning RR Land Use Plan Map Category RES. ULD B
Comments * MIN REMOVED FEW WEEKS AGO:

Applicants Name Gregory L. Stapleton Phone (352) 472-6010 904-964-1817 NANCY
Address 25743 SW 22 PL, Newberry, FL 32669 752-1953
Owners Name Gregory L. Stapleton Phone (386) 752-1953
911 Address 610 SW Tompkins St, Lake City, FL 32024
Contractors Name Gregory L. Stapleton-owner Phone (386) 752-1953
Address 610 SW Tompkins St, Lake City, FL 32024
Fee Simple Owner Name & Address n/a
Bonding Co. Name & Address n/a
Architect/Engineer Name & Address n/a
Mortgage Lenders Name & Address n/a

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

Property ID Number 16-45-16-03625-000 Estimated Cost of Construction \$40,000

Subdivision Name --- Lot --- Block --- Unit --- Phase ---

Driving Directions 90^W to SR 247 (TL) Go over I-75 to Troy (TR) Go to deadend (TL) to Tompkins St. Go thru gate to site.

Type of Construction modular - Number of Existing Dwellings on Property 0 * REPRESENT

Total Acreage 1 Lot Size 210x210 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 67 Side 56 Side 75 Rear 83

Total Building Height --- Number of Stories --- Heated Floor Area 2137 Roof Pitch ---
TOTAL 2137

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 COMMENCEMENT 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.

Gregory Lane Stapleton
Owner/Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 6 day of June 2007.

Personally known ✓ or Produced Identification ---

Contractor Signature
Contractors License Number ---
Competency Card Number ---
NOTARY STAMP/SEAL

Nancy S. Phelps
Notary Signature

NANCY S. PHELPS
NOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # DD686995
EXPIRES 5/10/2011
BONDED THRU 1-888-NOTARY1

* TRK ADVISED GATE 6-18-07.

Jun 14 07 03:37p

P Dewitt Cason 758 1337

386 758 1337

p. 1

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDATHIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERK'S OFFICE BEFORE YOUR FIRST INSPECTION

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and
in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 16-45-16-03025-000

Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)
610 SW Tompkins St. Lake City, FL 32024

2. General description of improvement: modular home

Inst: 200712012704 Date: 6/14/2007 Time: 4:26 PM

D.C.P. DeWitt Cason, Columbia County Page 1 of 1

3. Owner Name & Address Gregory L. Stapleton - 610 SW Tompkins St.
Lake City, FL 32024

Interest in Property owner

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

5. Contractor Name Gregory L. Stapleton

Phone Number (386) 752-1953Address 610 SW Tompkins St Lake City, FL 32024

6. Surety Holders Name n/a

Phone Number _____

Address _____

Amount of Bond n/a

7. Lender Name n/a

Phone Number _____

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be
served as provided by section 713.13 (1)(a) 7; Florida Statutes:

Name n/a

Phone Number _____

Address _____

9. In addition to himself/herself the owner designates n/a

to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee n/a

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

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Gregory L. Stapleton
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 8 of June, 2007.

James J. [Signature]
Signature of Notary

NOTARY PUBLIC
COMMISSION # 00000000
EXPIRES 6/10/2011
BONDED THRU 1-800-456-4567

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDATHIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTIONTHE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and
in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of
Commencement.IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.Tax Parcel ID Number 16-45-16-03025-000

Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

610 SW Tompkins St. Lake City, FL 32024

Inst: 200712012704 Date: 6/8/2007 Time: 4:28 PM

P. DeWitt Cason, Columbia County Page 1 of 1

2. General description of improvement: modular home3. Owner Name & Address Gregory L. Stapleton - 610 SW Tompkins St,
Lake City, FL 32024 Interest in Property owner4. Name & Address of Fee Simple Owner (if other than owner): n/a5. Contractor Name Gregory L Stapleton Phone Number (386) 752-1953
Address 610 SW Tompkins St Lake City, FL 320246. Surety Holders Name n/a Phone Number _____

Address _____

Amount of Bond n/a7. Lender Name n/a Phone Number _____

Address _____

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

Address _____

9. In addition to himself/herself the owner designates n/a of
_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -(a) 7. Phone Number of the designee n/a10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of
recording, (Unless a different date is specified) _____)THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.Gregory L. Stapleton
Signature of OwnerSworn to (or affirmed) and subscribed before day of 8 of June, 2007.Fancy D. Del...
Signature of NotaryNOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # 00686995
EXPIRES 5/10/2011
BONDED THRU 1-888-NOTARY1

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling
☐ Farm Outbuilding

☐ Two-Family Residence
☐ Other _____

NEW CONSTRUCTION OR IMPROVEMENT

☐ New Construction

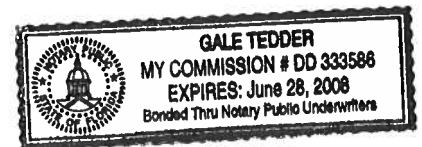
☐ Addition, Alteration, Modification or other Improvement

I Gregory L. S. [Signature], have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Gregory L. S. [Signature] 6-8-07
Owner Builder Signature Date

The above signer is personally known to me or produced identification DL

Notary Signature [Signature] Date 6/8/07



(Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

LANCE STAPLETON

02/12/03

60/61/20

NEWTON

IN CHAPTER 6107-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION

SURVEYORS CERTIFICATION



Gregory
Lance Stapleton

BOUNDARY SURVEY IN SECTION 16, TOWNSHIP 4 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

NORTH LINE OF SECTION 16

S.89°36'36"W. 2867.34' (FIELD)

S.89°36'36"W.
16.06' (FIELD)

SYMBOL LEGEND

■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
⊙	POWER POLE
▲	WATER METER
⋈	CENTERLINE
⊛	WELL
⊙	SATELLITE DISH
⊙	TELEPHONE BOX
—+—	ELECTRIC LINES
—*—	WIRE FENCE
—+—	CHAIN LINK FENCE
—+—	WOODEN FENCE

DONALD F. LEE
P.L.S. 3628
NE CORNER
OF SECTION 16,
TOWNSHIP 4 SOUTH,
RANGE 16 EAST



SCALE: 1" = 60'

DESCRIPTION

COMMENCE AT THE NW CORNER OF THE NE 1/4 OF SECTION 16, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN N.89°36'36"E., ALONG THE NORTH LINE THEREOF A DISTANCE OF 327.61 FEET; THENCE S.01°45'46"E., 583.85 FEET; THENCE S.89°42'09"W., 34.17 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.89°42'09"W., 210.00 FEET; THENCE S.00°17'51"E., 210.00 FEET; THENCE N.89°42'09"E., 210.00 FEET; THENCE N.00°17'51"W., 210.00 FEET TO THE POINT OF BEGINNING CONTAINING 1.01 ACRES, MORE OR LESS.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE FOLLOWING DESCRIBED PROPERTY:

COMMENCE AT THE NW CORNER OF THE NE 1/4 OF SECTION 16, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN N.89°36'36"E., ALONG THE NORTH LINE THEREOF A DISTANCE OF 327.61 FEET TO THE POINT OF BEGINNING; THENCE S.01°45'46"E., 583.85 FEET; THENCE S.89°42'09"W., 34.17 FEET; THENCE S.00°17'51"E., 30.00 FEET; THENCE N.89°42'09"E., 54.82 FEET; THENCE N.02°07'11"W., 614.00 FEET; THENCE S.89°36'36"W., 16.06 FEET TO THE POINT OF BEGINNING.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS ARE BASED ON A SURVEY FOR THE PARENT PARCEL, SURVEYED BY THIS OFFICE ON 02/12/03.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREIN.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

SURVEYOR'S CERTIFICATION

WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM
BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS
PRACTICE CODE, PURSUANT TO SECTION 476.07, FLORIDA STATUTES.

19/03
DATE

LAUREN E. BRITT, PLS
CERTIFICATION # 1079

AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND
MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055

(386)752-7163 FAX (386)752-5573

WORK ORDER # L-13465A

PREPARED BY Beverly Baldwin, Escrow Officer
RECORD AND RETURN TO:
Realty Title Services of Northeast Florida, Inc.
2500 Blanding Blvd., Suite 100
Middleburg, FL 32068
A PORTION OF Parcel #R03025-000
File #3007

Inst: 2003009202 Date: 05/02/2003 Time: 14:17

Loc Stamp-Deed : 0.70

MCK DC, P. DeWitt Cason, Columbia County B: 982 P: 696

QUIT CLAIM DEED

This Quit Claim Deed Made this 14th day of March, 2003, by Nancy T. Stapleton and Gregory L. Stapleton, her husband, and Pauline P. Tompkins, unmarried, whose address is Rt 21 Box 818 Lake City FL 32024, hereinafter called the Grantor, to GREGORY LANCE STAPLETON, hereinafter called Grantee and whose address is Rt 21 Box 821, Lake City, FL 32024, here called Grantee

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

WITNESSETH: That the Grantor, for and in consideration of Ten Dollars and no/100's (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, has remised, released and quit-claimed, and by these presents does remise, release and quit-claim unto the said Grantee, and her heirs, successors and assigns forever, the following described land, situate, lying and being in the County of COLUMBIA, State of Florida, to-wit:

AS DESCRIBED IN EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

THIS CONVEYANCE IS MADE BETWEEN PARENTS AND SON ON A PORTION OF REAL PROPERTY ENCUMBERED BY A MORTGAGE. PROPER DOCUMENTARY STAMPS ARE AFFIXED.

ONE OF THE GRANTORS, PAULINE P. TOMPKINS, JOINS IN THE EXECUTION OF THIS DEED FOR THE PURPOSE OF RELEASING, SATISFYING AND CANCELING THAT CERTAIN LIFE ESTATE MADE BETWEEN THE PARTIES, IN OFFICIAL RECORDS BOOK 899 PAGE 1987, WHICH WARRANTY DEED IS HEREBY DECLARED TO BE NULL AND VOID.

Subject to covenants, easements and restrictions of record and any taxes due.

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and

Inst:2003009202 Date:05/02/2003 Time:14:17

Loc Stamp-Deed : 0.70

 DC, P. DeWitt Cason, Columbia County B:982 P:697

EXHIBIT 'A'

That certain piece, parcel or tract of land in Section 16, Township 4 South, Range 16 East, Columbia County, Florida, more particularly described as follows:

Commence at the Northwest corner of the Northeast ¼ of Section 16, Township 4 South, Range 16 East, Columbia County, Florida and run North 89 degrees 36 minutes 36 seconds East, along the North line thereof, a distance of 327.61 feet; thence South 01 degrees 45 minutes 46 seconds East, 583.85 feet; thence South 89 degrees 42 minutes 09 seconds West, 34.17 feet to the Point of Beginning; Thence continue South 89 degrees 42 minutes 09 seconds West, 210.00 feet; thence South 00 degrees 17 minutes 51 seconds East, 210.00 feet; Thence North 89 degrees 42 minutes 09 seconds East, 210.00 feet; thence North 00 degrees 17 minutes 51 seconds West, 210.00 feet to the Point of Beginning.

TOGETHER WITH AND SUBJECT TO an Easement for Ingress and Egress over and across the following described property: Commence at the Northwest corner of the Northeast ¼ of Section 16, Township 4 South, Range 16 East, Columbia County, Florida and run North 89 degrees 36 minutes 36 seconds East, along the North line thereof a distance of 327.61 feet to the Point of Beginning; thence South 01 degrees 45 minutes 46 seconds East, 583.85 feet; thence South 89 degrees 42 minutes 09 seconds West, 34.17 feet; thence South 00 degrees 17 minutes 51 seconds East, 30.00 feet; thence North 89 degrees 42 minutes 09 seconds East, 54.82 feet; thence North 02 degrees 07 minutes 11 seconds West 614.00 feet; thence South 89 degrees 36 minutes 36 seconds West, 16.06 feet to the Point of Beginning.

Reference: RTS #3007
Stapleton/Stapleton

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Destiny Industries, LLC Address: City, State: , Owner: Climate Zone: North	Builder: Destiny Industries Permitting Office: Columbia Permit Number: 221080 Jurisdiction Number:
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<ol style="list-style-type: none"> 1. New construction or existing New <input type="checkbox"/> 2. Single family or multi-family Single family <input type="checkbox"/> 3. Number of units, if multi-family 1 <input type="checkbox"/> 4. Number of Bedrooms 4 <input type="checkbox"/> 5. Is this a worst case? No <input type="checkbox"/> 6. Conditioned floor area (ft²) 2139 ft² <input type="checkbox"/> 7. Glass area & type Single Pane Double Pane <input type="checkbox"/> <ol style="list-style-type: none"> a. Clear glass, default U-factor 17.8 ft² 0.0 ft² <input type="checkbox"/> b. Default tint 0.0 ft² 0.0 ft² <input type="checkbox"/> c. Labeled U or SHGC 224.9 ft² 0.0 ft² <input type="checkbox"/> 8. Floor types ft² <input type="checkbox"/> <ol style="list-style-type: none"> a. Raised Wood, Stem Wall ft² <input type="checkbox"/> b. N/A <input type="checkbox"/> c. N/A <input type="checkbox"/> 9. Wall types <input type="checkbox"/> <ol style="list-style-type: none"> a. Frame, Wood, Exterior R=13.0, 1935.0 ft² <input type="checkbox"/> b. N/A <input type="checkbox"/> c. N/A <input type="checkbox"/> d. N/A <input type="checkbox"/> e. N/A <input type="checkbox"/> 10. Ceiling types <input type="checkbox"/> <ol style="list-style-type: none"> a. Under Attic R=30.0, 2139.0 ft² <input type="checkbox"/> b. N/A <input type="checkbox"/> c. N/A <input type="checkbox"/> 11. Ducts <input type="checkbox"/> <ol style="list-style-type: none"> a. Sup: Unc. Ret: Unc. AH: Attic Sup. R=6.0, 80.0 ft <input type="checkbox"/> b. N/A <input type="checkbox"/> 	<ol style="list-style-type: none"> 12. Cooling systems <input type="checkbox"/> <ol style="list-style-type: none"> a. Central Unit Cap: 36.0 kBtu/hr SEER: 10.00 <input type="checkbox"/> b. N/A <input type="checkbox"/> c. N/A <input type="checkbox"/> 13. Heating systems <input type="checkbox"/> <ol style="list-style-type: none"> a. Electric Heat Pump Cap: 20.0 kBtu/hr HSPF: 9.00 <input type="checkbox"/> b. N/A <input type="checkbox"/> c. N/A <input type="checkbox"/> 14. Hot water systems <input type="checkbox"/> <ol style="list-style-type: none"> a. Electric Resistance Cap: 30.0 gallons EF: 0.90 <input type="checkbox"/> b. N/A <input type="checkbox"/> c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) <input type="checkbox"/> 15. HVAC credits CV, <input type="checkbox"/> <p>(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)</p>
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Glass/Floor Area: 0.11

Total as-built points: 34206

Total base points: 34431

PASS

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

PREPARED BY: Kevin M. Finn, P.E.

DATE: _____

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: _____



Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Destiny Industries, LLC

Class 3 Rating
Registration No. 0
Climate: North

9/6/2005

Building Loads			
Base		As-Built	
Summer:	28413 points	Summer:	33357 points
Winter:	18053 points	Winter:	16236 points
Hot Water:	9666 points	Hot Water:	9666 points
Total:	56132 points	Total:	59259 points

Energy Use			
Base		As-Built	
Cooling:	12121 points	Cooling:	15009 points
Heating:	11326 points	Heating:	8456 points
Hot Water:	10984 points	Hot Water:	10740 points
Total:	34431 points	Total:	34206 points

PASS
e-Ratio: 0.99

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2139.0	20.04	7715.8	Single,U=0.80,Clear	S	1.0	5.0	85.4	41.96	0.91	3260.6
				Single,U=0.80,Clear	W	1.0	5.0	24.4	45.00	0.95	1042.1
				Single,U=0.80,Clear	N	1.0	5.0	97.6	23.06	0.96	2164.4
				Single, Clear	N	1.0	4.0	8.9	21.73	0.94	181.5
				Single, Clear	E	1.0	4.0	8.9	47.92	0.91	389.3
				Single,U=0.80,Clear	E	1.0	5.0	12.2	49.01	0.95	567.1
				Single,U=0.80,Clear	E	1.0	5.0	5.3	49.01	0.95	247.8
				As-Built Total:				242.7		7852.7	
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		1935.0	1.50		2902.5	
Exterior	1935.0	1.70	3289.5								
Base Total:				1935.0		3289.5					
				As-Built Total:		1935.0		2902.5			
DOOR TYPES											
Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated	66.0 4.10 270.6						
Exterior	66.0	6.10	402.6								
Base Total:				66.0		402.6					
				As-Built Total:		66.0		270.6			
CEILING TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2139.0	1.73	3700.5	Under Attic	30.0		2139.0	1.73 X 1.00		3700.5	
Base Total:				2139.0		3700.5					
				As-Built Total:		2139.0		3700.5			
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0		2139.0	-1.50		-3208.5	
Raised	2139.0	-3.99	-8534.6								
Base Total:				-8534.6		2139.0		-3208.5			
				As-Built Total:		2139.0		-3208.5			
INFILTRATION											
Area X BSPM = Points				Area X SPM = Points							
2139.0 10.21 21839.2				2139.0 10.21 21839.2							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points:		28413.0		Summer As-Built Points:					33357.0	
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
28413.0		0.4266	12121.0	33357.0 33357.0	1.000 1.00	(1.090 x 1.147 x 1.11)	0.341 1.388	0.341 0.341	0.950 0.950	15009.3 15009.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2139.0	12.74	4905.2	Single,U=0.80,Clear	S	1.0	5.0	85.4	9.43	1.06	850.6
				Single,U=0.80,Clear	W	1.0	5.0	24.4	17.75	1.01	438.9
				Single,U=0.80,Clear	N	1.0	5.0	97.6	22.10	1.00	2159.6
				Single, Clear	N	1.0	4.0	8.9	33.22	1.00	296.4
				Single, Clear	E	1.0	4.0	8.9	26.41	1.04	243.4
				Single,U=0.80,Clear	E	1.0	5.0	12.2	15.61	1.02	194.8
				Single,U=0.80,Clear	E	1.0	5.0	5.3	15.61	1.02	85.1
				As-Built Total:				242.7		4268.7	
WALL TYPES				Area X BWPM = Points							
				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1935.0	3.40		6579.0	
Exterior	1935.0	3.70	7159.5								
Base Total:				1935.0		7159.5					
				As-Built Total:		1935.0		6579.0			
DOOR TYPES				Area X BWPM = Points							
				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			66.0	8.40		554.4	
Exterior	66.0	12.30	811.8								
Base Total:				66.0		811.8					
				As-Built Total:		66.0		554.4			
CEILING TYPES				Area X BWPM = Points							
				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2139.0	2.05	4384.9	Under Attic	30.0		2139.0	2.05 X 1.00		4384.9	
Base Total:				2139.0		4384.9					
				As-Built Total:		2139.0		4384.9			
FLOOR TYPES				Area X BWPM = Points							
				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	19.0		2139.0	0.80		1711.2	
Raised	2139.0	0.96	2053.4								
Base Total:				2053.4		2139.0		1711.2			
				As-Built Total:		2139.0		1711.2			
INFILTRATION				Area X BWPM = Points							
						Area X WPM = Points					
						2139.0		-0.59		-1262.0	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		18052.8		Winter As-Built Points:						16236.3	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
						(DM x DSM x AHU)					
18052.8		0.6274	11326.3	16236.3	1.000	(1.069 x 1.169 x 1.10)	0.379		1.000	8456.4	
				16236.3	1.00		1.375	0.379	1.000	8456.4	

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.7

The higher the score, the more efficient the home.

....

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr ___
3. Number of units, if multi-family	1	___		SEER: 10.00 ___
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	2139 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear - single pane	17.8 ft ²	0.0 ft ²	13. Heating systems	
b. Clear - double pane	0.0 ft ²	0.0 ft ²	a. Electric Heat Pump	Cap: 20.0 kBtu/hr ___
c. Tint/other SHGC - single pane	224.9 ft ²	0.0 ft ²		HSPF: 9.00 ___
d. Tint/other SHGC - double pane			b. N/A	___
8. Floor types			c. N/A	___
a. Raised Wood, Stem Wall	R=19.0, 2139.0ft ²	___		___
b. N/A		___	14. Hot water systems	
c. N/A		___	a. Electric Resistance	Cap: 30.0 gallons ___
9. Wall types				EF: 0.90 ___
a. Frame, Wood, Exterior	R=13.0, 1935.0 ft ²	___	b. N/A	___
b. N/A		___		___
c. N/A		___	c. Conservation credits	___
d. N/A		___	(HR-Heat recovery, Solar	
e. N/A		___	DHP-Dedicated heat pump)	
10. Ceiling types			15. HVAC credits	CV, ___
a. Under Attic	R=30.0, 2139.0 ft ²	___	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A		___	HF-Whole house fan,	
c. N/A		___	PT-Programmable Thermostat,	
11. Ducts			MZ-C-Multizone cooling,	
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 80.0 ft	___	MZ-H-Multizone heating)	
b. N/A		___		

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

Builder Signature: _____

Date: _____

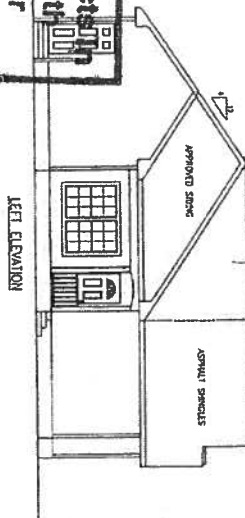
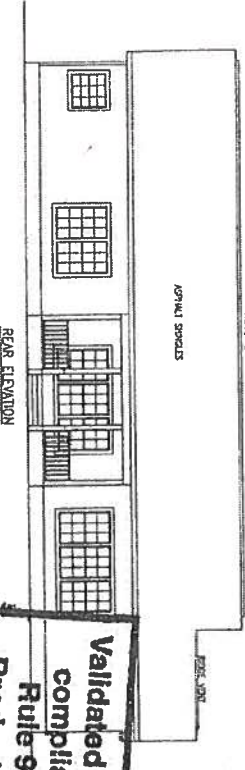
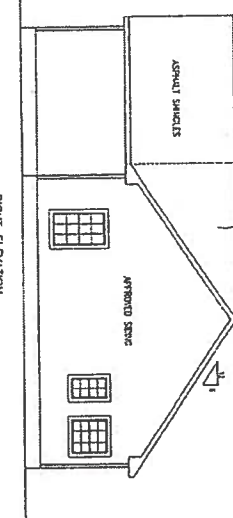
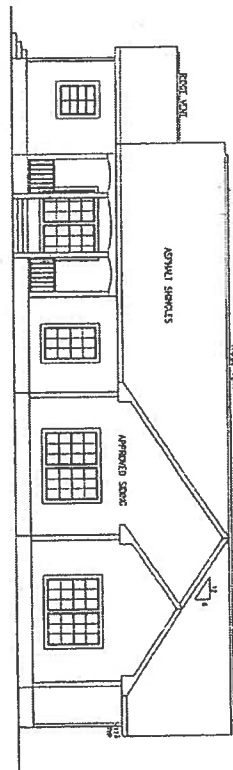
Address of New Home: _____

City/FL Zip: _____



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

EnergyGauge® (Version: FLRCSB v3.30)



Validated products in compliance with Rule 9B-72 for Product Approval

SITE INSTALLED ITEMS

NOTE: THIS LIST DOES NOT NECESSARILY LIST ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL.

- 1) THE COMPLETE FOUNDATION SUPPORT AND TIEDOWN SYSTEM.
- 2) BULK, STOPS, AND CATCH ACCESS TO THE BUILDING.
- 3) PORTABLE FIRE EXTINGUISHER(S).
- 4) BUILDING DRAINS, CLEAVINGS AND HOOK-UP TO PLUMBING SYSTEM HOOK-UP, INCLUDING THE FEEDINGS TO THE BUILDING.
- 5) THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS.
- 6) CONNECTION FOR ELECTRICAL CIRCUITS CROSSING STRUCTURAL MEMBERS (ELECTRICIAN'S RESPONSIBILITY).
- 7) STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNIT ONLY).

ALSO SEE LIST OF REQUIREMENTS IN LOCAL INSPECTOR'S NOTES BELOW

NOTE: THE BUILDING SPECIFIED ON THESE DRAWINGS IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE, AS AMENDED BY THE 2004 FLORIDA BUILDING CODE, 42 U.S.C. 5401 ET SEQ. UNDER PROVISIONS OF 24 CFR 3282.12, IN THAT THE BUILDING IS:

- 1) INTENDED ONLY FOR ERECTION OR INSTALLATION ON A SITE-BUILT PERMANENT FOUNDATION.
- 2) DESIGNED AND MANUFACTURED TO COMPLY WITH A NATURAL VIBRATION ANALYSIS PERFORMED BY A QUALIFIED ENGINEER.
- 3) DESIGNED AND MANUFACTURED TO COMPLY WITH A NATURAL VIBRATION ANALYSIS PERFORMED BY A QUALIFIED ENGINEER.

NDI
"APPROVED"
DOCUMENT

Richard L. Babinck
250 RW BRYANT ROAD
MOLITRE, GA 31776

DESTINY INDUSTRIES, LLC
250 RW BRYANT ROAD
MOLITRE, GA 31776

DATE: 8/14/05
CODES: FBC
LABELS: RL
SCALE: NTS
MODEL: ME 684-16
SHEET: 1 OF 8

KEVIN M. FINN, P.E.
2700 W. WILSON AV., STE. 4
DORSEY, IN 46030
CONSULTING ENGINEER
FL LICENSE NO. 1422

***NOTE: EACH 26GA STRAP REFERENCE SHALL BE REPLACED USING A SWAMPSON STRONG TIE N51413 OR ST 282

THIS STRUCTURE CANNOT BE LOCATED ON THE UPPER HALF OF ANY SLOPED HILL, RIDGE OR ESCAPEMENT WHICH SATISFIES ALL OF THE FOLLOWING:
1) HILL, RIDGE OR ESCAPEMENT IS HIGHER THAN 20 FEET IN THE LOCATION AND EXTENDS TEN PERCENT IN EACH DIRECTION.
2) MOVING SANDS OR ESCAPEMENT HAS NO OBSTRUCTIONS TO WIND MOVEMENT BY TOPOGRAPHIC FEATURES FOR A DISTANCE FROM THE HIGH POINT OF THE HILL, RIDGE OR ESCAPEMENT EQUAL TO 50 TIMES THE HILL, RIDGE OR ESCAPEMENT OR ESCAPEMENT ON ONE SIDE WHICH EXTENDS IS LESS.

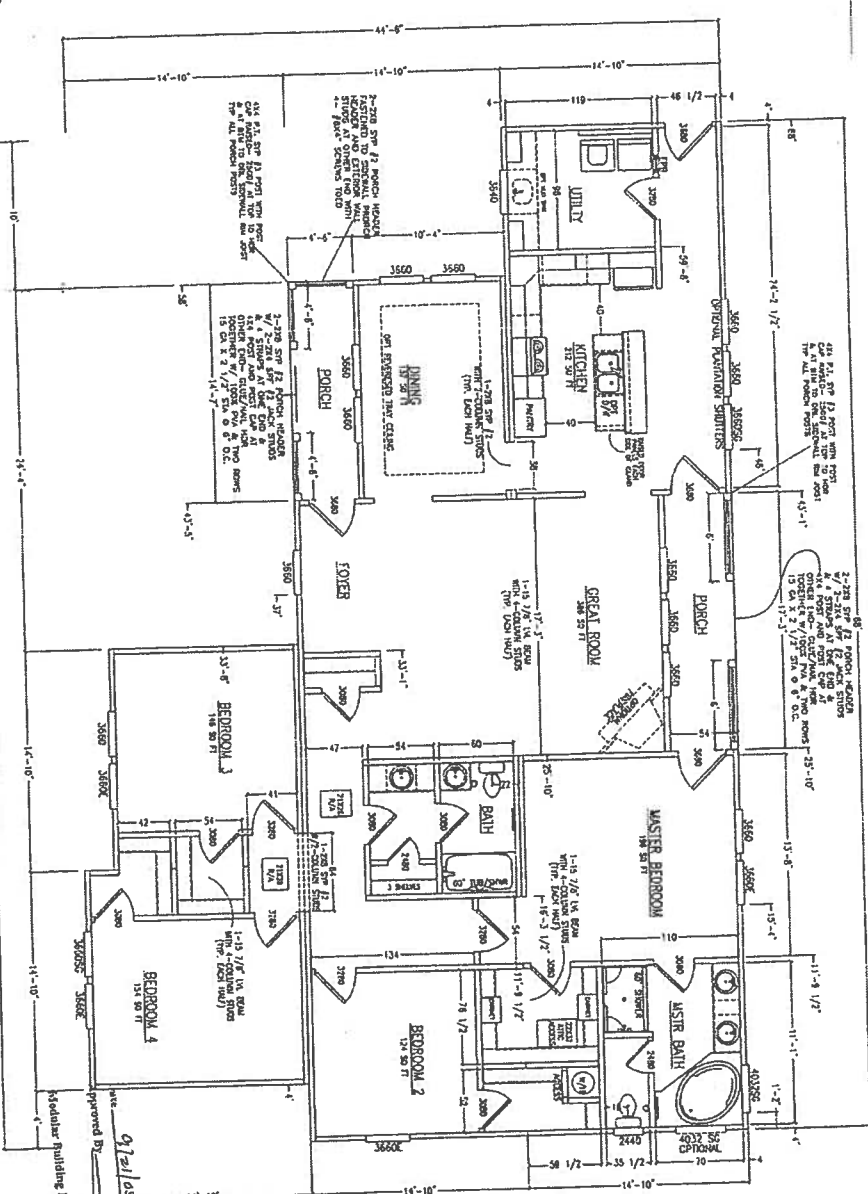
ELEVATION NOTES (CONTINUED)
HANDRAIL (RAILINGS), STAIRS, AND HAND RAILS ARE SITE SPECIFIC AND SHALL BE SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL.
FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE A SQUARE FOOT NET VENT AREA PER 1,000 CUBIC FEET OF VOLUME. SUBJECT TO LOCAL JURISDICTION REVIEW & APPROVAL BY OTHERS. (SEE CROSS SECTION DRAWING FOR SPECS)
ATLANTIC VENTILATION SYSTEM (FOR SPECS)
THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.

MAX WIND SPEED: 110 MPH, E98, 10-10
(3) SEC. GUST ENCLOSED BLDG. 110 MPH, E98, 10-10
OCCUPANCY GROUP: SINGLE FAMILY DWELLING
CONSTRUCTION TYPE: WOOD FRAME
BUILDING CATEGORY: B (PER ASCE 7-98)
MEAN ROOF HEIGHT MAY NOT EXCEED 15' ABOVE GRADE
COMPONENT & CLADDING DESIGN LOADS:
ROOF ZONE 1: 18.9 PSF
ROOF ZONE 2: 18.9 PSF
ROOF ZONE 3: 18.9 PSF
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THE FBC CODE REQUIRES THAT ALL BUILDINGS BE DESIGNED TO RESIST THE EFFECTS OF WIND TO OR GREATER THAN 120 MPH AND ALL BUILDINGS LOCATED IN AREAS WITH WIND SPEEDS EXCEEDING ONE HUNDRED AND FIFTY (150) MPH MUST BE DESIGNED TO RESIST THE EFFECTS OF WIND TO OR GREATER THAN 150 MPH. THE FOLLOWING ARE THE MINIMUM REQUIREMENTS FOR THE DESIGN OF A BUILDING FOR WIND RESISTANCE:

- IMPACT RESISTANT GLAZING SYSTEMS WITH AN IMPACT GLAZING SYSTEM.
- IMPACT RESISTANT GLAZING SYSTEMS WITH AN IMPACT GLAZING SYSTEM.
- IMPACT RESISTANT GLAZING SYSTEMS WITH AN IMPACT GLAZING SYSTEM.
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- IMPACT RESISTANT GLAZING SYSTEMS WITH AN IMPACT GLAZING SYSTEM.
- IMPACT RESISTANT GLAZING SYSTEMS WITH AN IMPACT GLAZING SYSTEM.

AREA	FLOOR	VENT
LIGHT AND VENT CHART		
AREA	196	196
SO. FT.	15.88	15.88
MASTER BEDROOM	196	196
SO. FT.	15.88	15.88
BEDROOM 2	124	124
SO. FT.	11.08	11.08
BEDROOM 3	146	146
SO. FT.	12.40	12.40
BEDROOM 4	134	134
SO. FT.	11.66	11.66
GREAT ROOM	368	368
SO. FT.	31.84	31.84
KITCHEN	212	212
SO. FT.	18.50	18.50
DINING	137	137
SO. FT.	11.83	11.83



ALL DOORS ARE 80" HIGH (SEE PLAN FOR WIDTH)

WINDOW	TYPE	W/TH	H/TH	AREA
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00
40"	40"	10.00	4.97	50.00

NOTE: ALL WINDOWS TO BE SIGNED W/ INSULATED GLAZING (U=0.48) W/ 28 GA STEEL STUDS W/ 6" - 15 GA x 1 STRAPS EACH END FROM ROOF BEAM TO STUD OR STUD AND TO EAVE JOISTS (ON ROOF) OR STUD AND STUD TO STUD TO EAVE JOISTS (ON FLOOR) (C = 4x 12S).

2279 TOTAL SQUARE FOOTAGE
2137 HEATED & COOLED
308 SQ FT GLAZING

DESTINY INDUSTRIES, LLC
250 RW BRYANT ROAD
MOLITRE, CA 31776

DATE: 8/11/05
CODES: FBC
LABELS: F
SCALE: NTS
MODEL: ME 684-16
DRAWING: FLOOR PLAN

DESIGN BY: JMB
REVISION: 1
SHEET: 2 OF 8

NDI
"APPROVED"
DOCUMENT

B-SECTION

A-SECTION

C-SECTION

Plan No. ME 684-16
Richard L. Bullock
Registered Professional Engineer
Florida Certificate No. 001

[Handwritten signature]

DESTINY INDUSTRIES, LLC	
250 RW BRYANT ROAD	
MOLTLIE, CA 31775	
DATE:	8/11/05
CODES:	FBC
LABELS:	FL
SCALE:	NIS
MODEL:	ME 684-16
DRAWING:	OPT FLOOR PLAN
DRAWN BY:	JWB
SHEET	3 of 8

2279 TOTAL SQUARE FOOTAGE
2137 HEATED & COOLED
308 SQ FT GLAZING

NOTE: ALL WELDING TO BE SHOCK WELDING OF REINFORCED CONCRETE TO STEEL. (SEE SECTION 05110 FOR WELDING DETAILS)

ALL EXTERIOR DOORS TO BE INSULATED (U-34.22)

EXTERIOR PRIMO DOORS TO BE INSULATED (U-34.38)

ALL INTERIOR PARTITIONS DOORS TO BE INSULATED (U-34.38)

WALLS UNLESS OTHERWISE NOTED.

ALL STAIRS REFERENCED ON THE FLOOR PLAN ARE:

1. 1/2" X 26 GA STEEL DECK TO STUDS, STAIRS

TO BE FASTENED TO STUDS WITH 1/2" DIA STEEL BOLTS

TO EACH JOIST (SEE FROM FLOOR TO STUD AND STUD TO JOIST) (SEE SECTION 05110)

STUDS TO BE 2" X 8 (12' X 44 KSI)

ALL BRCH CHAIRS SUPPLYING 15 AND 20 AMP

OUTLETS IN BEROARDS MUST BE PROTECTED

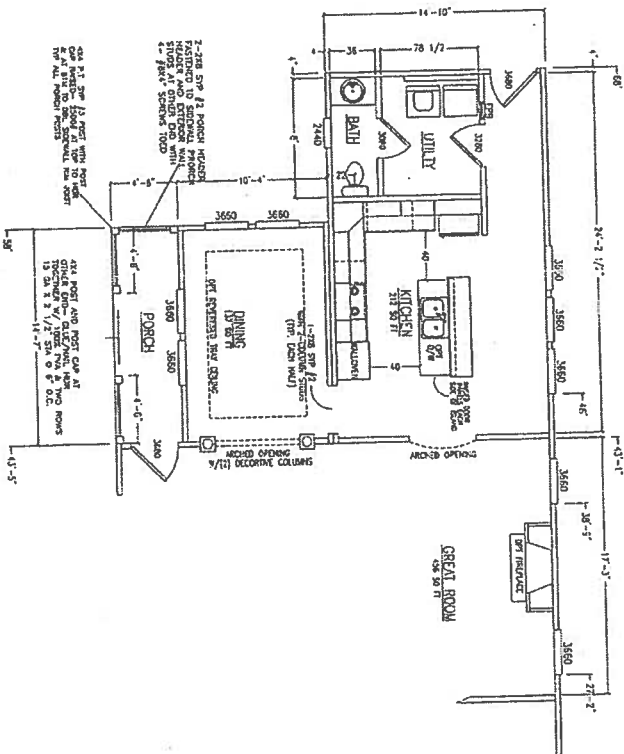
BY AN AC-FULT CIRCUIT INTERFERER IN

ACCORDANCE WITH SECTION 210.12 OF THE NEC

ALL DOORS ARE 80" HIGH
(SEE PLAN FOR WIDTH)

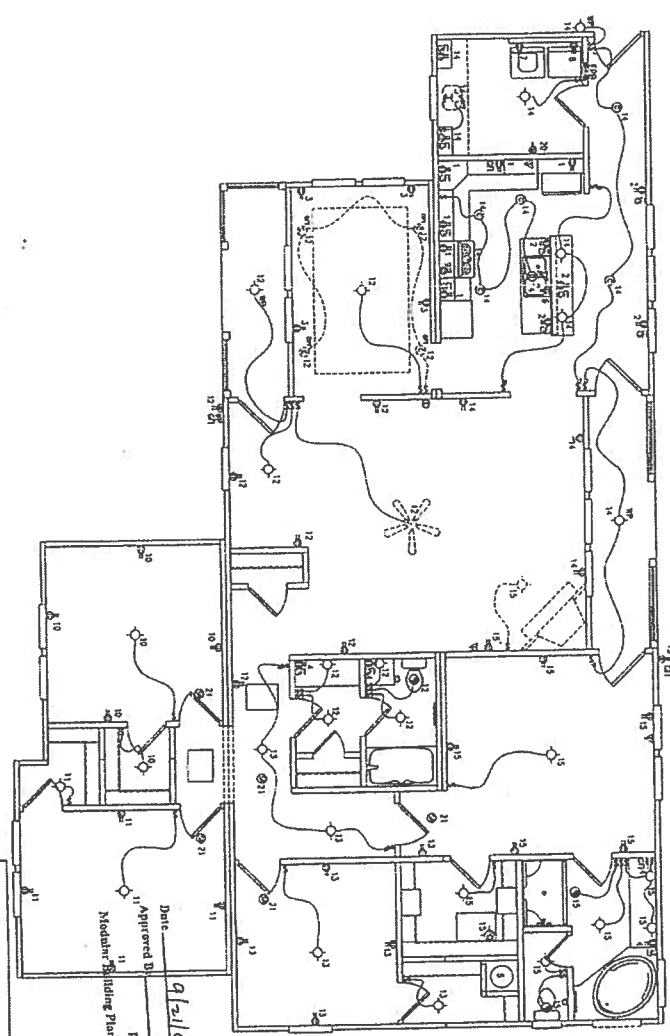
WIDTH	HEIGHT	TYPE	SGT SQ FT	QTY
46"	40"	SWGL HUNG	10.08	4,97
45"	50"	SWGL HUNG	15.97	7,98
36"	60"	SWGL HUNG	12.2	6,14
36"	40"	SWGL HUNG	7.71	3,82
72"	80"	SWGL HUNG	33.37	16,30
40"	32"	SWGL HUNG	7.10	-

ART. LIGHT AND VENT PROVIDED					
	FLOOR AREA SQ. FT.	LIGHT PROVIDED	VENT PROVIDED	REMARKS	REMARKS
HALL					
KITCHEN	212	38.05	18.42		
GREAT ROOM	455	36.69	18.42		
		15.76	8.48		
		35.48	18.24		



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INSTALLATION OF HVAC SUPPLY AND RETURN
SYSTEM IS TO BE COMPLETED AND
BALANCED/CALIBRATED, ON-SITE, (UNDER SEPARATE
CONTRACT)



“A1 :OVED”
DOCUMENT

12/6/05

ELECT. NOTE:
ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP
OUTLETS IN BEDROOMS MUST BE PROTECTED
BY AN ARC-FAULT CIRCUIT INTERRUPTER IN
ACCORDANCE WITH SECTION 210.12 OF THE NEC

ELECTRICIAN CIRCUIT SCHEDULE				ELECTRICAL LEGEND			
1	CEILING LIGHT	CON. SIZE	WIRE	14-2 W/ GND	20A		PULL CHAIN LIGHT
2	STAIR PLUMBANCE	14-2 W/ GND	20A				RANGE EXHAUST FAN
3	STAIR PLUMBANCE	14-2 W/ GND	20A				EXT. PORCH LIGHT
4	STAIR PLUMBANCE	14-2 W/ GND	20A				FLOORSIDE LIGHT
5	WATER HEATER	10-1 W/ GND	20				NICKEL/STEEL LIGHT
6	WATER HEATER	10-1 W/ GND	20A				EXHAUST FAN
7	WATER HEATER	10-1 W/ GND	20A				EXHAUST FAN
8	WATER HEATER	10-1 W/ GND	20A				EXHAUST FAN
9	CEILING LIGHT	14-2 W/ GND	15A, AFD				PANEL BOX
10	CEILING LIGHT	14-2 W/ GND	15A, AFD				SMOKE DETECTOR
11	CEILING LIGHT	14-2 W/ GND	15A, AFD				CABLE LIGHT
12	CEILING LIGHT	14-2 W/ GND	15A, AFD				DUPLEX RECEPTACLE
13	CEILING LIGHT	14-2 W/ GND	15A, AFD				240V RECEPTACLE
14	CEILING LIGHT	14-2 W/ GND	15A, AFD				SWITCH
15	CEILING LIGHT	10-2 W/ GND	20				3-WAY SWITCH
16	CEILING LIGHT	10-2 W/ GND	20A				
17	CEILING LIGHT	14-2 W/ GND	15A, AFD				
18	CEILING LIGHT	14-2 W/ GND	15A, AFD				
19	CEILING LIGHT	14-2 W/ GND	15A, AFD				
20	CEILING LIGHT	14-2 W/ GND	15A, AFD				
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96	CEILING LIGHT	14-2 W/ GND	15A, AFD				
97	CEILING LIGHT	14-2 W/ GND	15A, AFD				
98	CEILING LIGHT	14-2 W/ GND	15A, AFD				
99	CEILING LIGHT	14-2 W/ GND	15A, AFD				
100	CEILING LIGHT	14-2 W/ GND	15A, AFD				

ELECTRICAL CROSS OVER DETAIL

STRIP THE CABLE WIRE CABLE TO THE J BOX IN THE OTHER ROOM. CONNECT THE CABLE TO THE J BOX WITH A LISTED WIRE CONNECTOR. CONNECT EACH CONDUCTOR TO THE CORRESPONDING CONDUCTOR BASED ON EACH CONDUCTORS INSULATION COLOR (CONNECT BLACK TO BLACK, ETC) AND CONNECT THE DISCONNECT TO THE GROUNDING WIRE. USE THE LISTED WIRE TO INSURE CORRECT CONNECTIONS TO THE J BOX. CONNECT THE DISCONNECT TO THE GROUNDING WIRE IN ACCORDANCE WITH THE LISTED INSTRUCTIONS. USE AN APPROVED CABLE TIE (NON-REMOVABLE CONNECTOR) TO CONNECT THE GROUNDING WIRE THROUGH THE J BOX AND FOR INITIAL CABLE STAPLES ON PASTHROUS WITHIN 6" OF THE J BOX.

THE OPTIMIZATION IS SIMPLE FOR ELECTRICAL CROSS-overs. CONNECTORS INSTALLED IN THE BUILDING ARE LAYED OUT STRAIGHT, INSTEAD OF OVER CONNECTORS LOCATED IN THE JUNCTION BOX COVER PLATE AND TEST EACH CIRCUIT AS REQUIRED BY THE LOCAL BUILDING OFFICIAL. (HAVE ALL WORK INSPECTED AND APPROVED BY THE LOCAL BUILDING OFFICIAL BEFORE INSTALLING THE J BOX COVER OR TAPPING ON THE POWER TO THE BUILDING OR CIRCUIT.)

Diagram illustrating the connection of a wire cable to a wire line, showing the floor construction.

1. LOCK UP UNION ABOVE. RECONNECT TO BE COOLED CROSSOVER CONNECTION (CONNECTION TO BE COOLED AND ASSEMBLED IN ROOM) PARTY A FACTORY TO (ENABLE ON SMT CROSSOVER CONNECTION)

2. NEW LOCATION- ASSECT FOLLOW THE ROOM TO DETERMINE THE REQUIRED CROSSOVER LOCATIONS

PANEL SIZING
FOR HOMES UP TO

9.00 KW - 3000 SQ FT @ 3 WATTS/SQ
1.00 KW - (2) 20 AMP APPLIANCE CIRCUIT
1.50 KW - LAUNDRY CIRCUIT
1.00 KW - RANGE
1.00 KW - FAN
5.20 KW - CLOTHES DRYER
4.50 KW - WATER HEATER

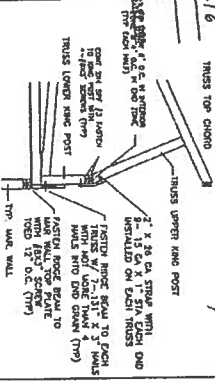
10.00KW = FIRST 10 KW @ 100X
11.04KW = RECLAIMER @ 40X (27.6)(4)
20.90KW = ASSUMED HVAC
41.94KW = TOTAL

2700 AMP SERVICE STANDARD
CALCULATED LOAD FOR SERVICE SIZE:
41,940 W / 240 VOLTS = 174.75 AMPERS

DESTINY INDUSTRIES LLC
250 RM BRYANT ROAD

WOUTRIF, CA 31776		INVERSION	DEVIATION
DATE:	8/13/05		
CORRECS:	TRC		JMG
LOGSIS:	FL	SEA FL.	
SCALE:			
NO. OF	1		SHEET

ME 684-16	4 00
ELECTRICAL	



ROOF SHEATHING DETAIL

(FOR MODELS CONTAINING THE COLLAGE TRUSSES)

NDI
"APPROVED"
DOCUMENT

Date 9/21/06 Plan No. ME64-16
R Buckner

DETAIL

DETAIL "B"

ENDWALL BRACING CONSTRUCTION
REQUIRED EACH END WALL

DESTINY INDUSTRIES LLC			
230 RW BRYANT ROAD			
MOLTERIE, GA 31776			
DATE:	8/15/05	REVISION	
CODER:	FBC	REVISION	
LABELS:	FL		
SCALE:	MTS		
MODEL:	ME 684-16		
DRAWING:	CROSS SECTION		
		DRAWN BY:	JWB
		SHEET	8 OF 8

DESTINY INDUSTRIES LLC
350 PW BRYANT ROAD

250 RW BRYANT ROAD
MOULTRIE, GA 31776

CROSS SECTION

8 OF

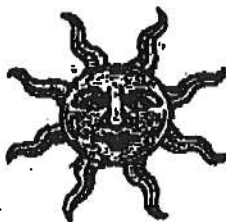


REINFORCEMENT
(3) #5 BARS IN
EACH DIRECTION

TYPE C

120 TO 140 MPH

ME 684-16
FOUNDATION

**Sunshine Home Center, Inc.**

PO Box 103 * 17940 Hwy 301 North

Ph: 904-964-1817 * Fax: 904-964-1832

TO: Terry Dicks / Build + Zon	FROM: VICKI
FAX: 386-758-2160	PAGES: 2
PHONE: 904-964-1817	DATE: 9-18-07
RE: Stapleton, Gregory, L.	CC:

Will this be enough to get Certificate of Occupancy. If not what else do we need, please let me know,

customer Parcel ID# 16-45-16-03025-000

Customer Permit# 000025925

Customer Address 610 SW Tompkins Street
Lake City, FL 32024

Thank you,
Vicki Bowman

SEP-5-2007 03:02P FROM:

TO: 9641832

P.2

**New Construction Subterranean Termite
Soil Treatment Record**OMB Approval No 2502-0525
(exp. 11/30/2008)**This form is completed by the licensed Pest Control Company**

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

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

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

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

Section 1: General Information (Treating Company information)Company Name: Florida Pest Control & Co.Company Address: 539 East Call St City: Starke State: FL Zip 32091Company Business License No. 3460Company Phone No. 904-964-5745

FHA/VA Case No. (if any) _____

Section 2: Builder InformationCompany Name SUNSHINE HOME CENTER, INC.Phone No. 904-964-1832**Section 3: Property Information**Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) 610 SW TOMPKINS ST. LAKE CITY, FL 32053Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☒ Crawl ☐ Other _____Approximate Depth of Footing: Outside 1" Inside 1" Type of Fill DIRT**Section 4: Treatment Information**Date(s) of Treatment(s) 8/23/07Brand Name of Product(s) Used PremiseEPA Registration No. 432-1331Approximate Final Mix Solution % .10Approximate Size of Treatment Area: Sq. ft. 2279 Linear ft. 210 Linear ft. of Masonry Voids _____Approximate Total Gallons of Solution Applied 42Was treatment completed on exterior? ☒ Yes ☐ NoService Agreement Available? ☒ Yes ☐ No

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

Attachments (List) _____

Comments: _____

Name of Applicator(s) JAMIE GRIFFISCertification No. (if required by State law) JE144022

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

Authorized Signature _____

Date 9/5/07

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012, 31 U.S.C. 3729, 3802). Form NPCA-99-B may still be used.

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

**COLUMBIA COUNTY
FLORIDA**

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 16-4S-16-03025-000

Building permit No. 000025925

Use Classification MODULAR/UTILITY

Fire: 0.00

Permit Holder GREGORY L. STAPLETON

Waste:

Owner of Building GREGORY L. STAPLETON

Total: 0.00

Location: 610 SW TOMPKINS ST., LAKE CITY, FL

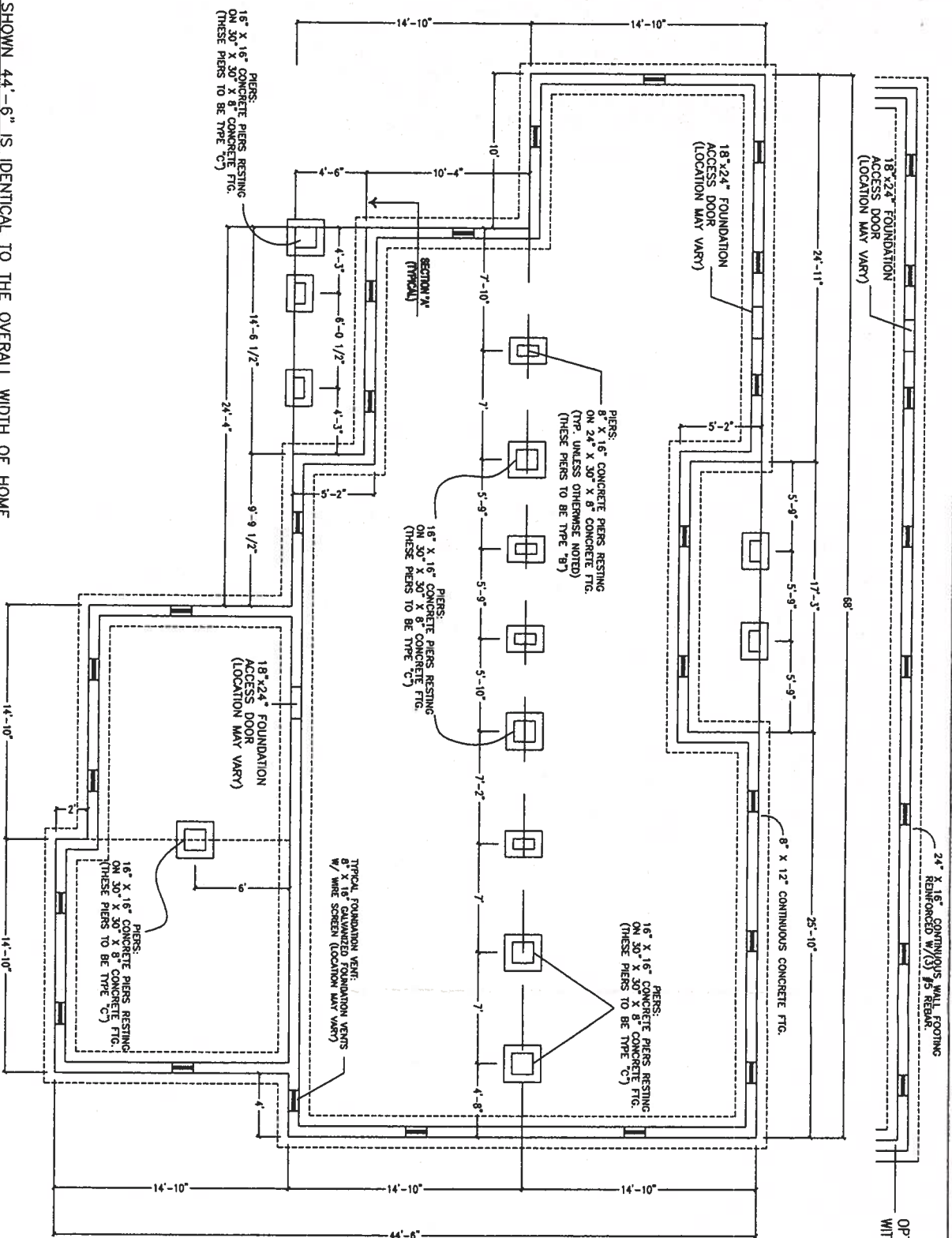


Date: 09/18/2007

John D. Hance

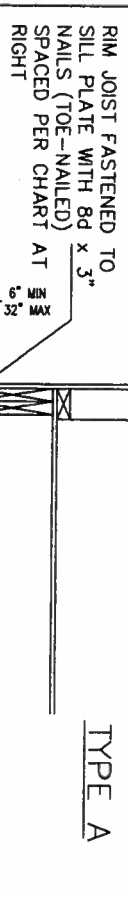
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



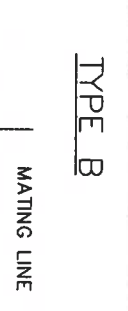
NOTE: THE FOUNDATION WIDTH SHOWN 44'-6" IS IDENTICAL TO THE OVERALL WIDTH OF HOME. THE FOUNDATION MAY BE CONSTRUCTED UP TO 1 1/2" WIDER TO COMPENSATE FOR PRODUCTION AND ASSEMBLY TOLERANCES.

TYPE A



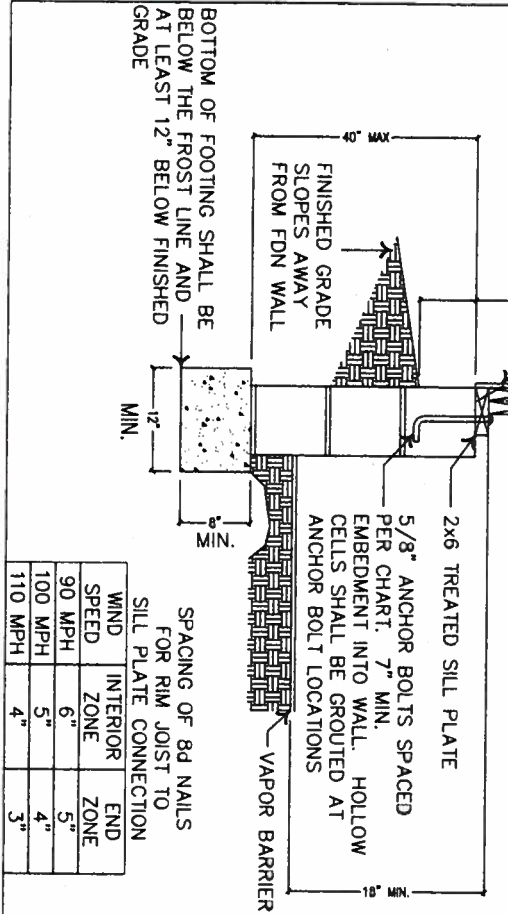
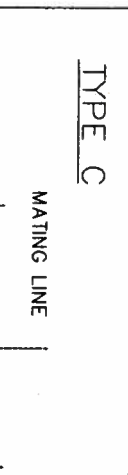
FOOTING DIMENSIONS	MAX. PIER LOAD
16x24x8	5,333#
18x26x8	6,500#
20x28x8	7,778#
22x30x8	9,167#
24x32x8	10,667#
26x34x8	12,278#
28x36x8	14,000#

TYPE B



FOOTING DIMENSIONS	MAX. PIER LOAD
24x24x8	8,000#
26x26x8	9,389#
28x28x8	10,889#
30x30x8	12,500#
32x32x8	14,222#
34x34x8	16,056#
36x36x8	18,000#

TYPE C



WIND SPEED	INTERIOR ZONE	END ZONE
90 MPH	6"	5"
100 MPH	5"	4"
110 MPH	4"	3"

ENDWALL ANCHOR BOLT SPACING									
MAX. WIND SPEED	MAX. ROOF PITCH	EXPOSURE B WALL	EXPOSURE B WALL	EXPOSURE C WALL	EXPOSURE C WALL	EXPOSURE C WALL	EXPOSURE C WALL	EXPOSURE C WALL	EXPOSURE C WALL
90 MPH	6:12	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"
100 MPH	6:12	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"
110 MPH	6:12	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"

110 MPH AND LESS

- NOTES:
- ANCHOR BOLTS AT CORNERS MUST BE NO MORE THAN 1'-0" FROM THE END OF THE FOUNDATION WALL.
 - MEAN ROOF HEIGHT = 17'.
 - THESE DETAILS APPLY TO EXPOSURE B AND EXPOSURE C.

SEE PAGE 6 FOR ADDITIONAL FOUNDATION NOTES

DESTINY INDUSTRIES, LLC
250 RW BRYANT ROAD
MOULTRIE, GA 31778

DATE: 8/14/05
CODES: FBC
LABELS: FL
SCALE:
MODEL: ME 684-16
DRAWING: FOUNDATION

DRAWN BY: JWB
SHEET 1 of 1

SITE INSTALLED ITEMS

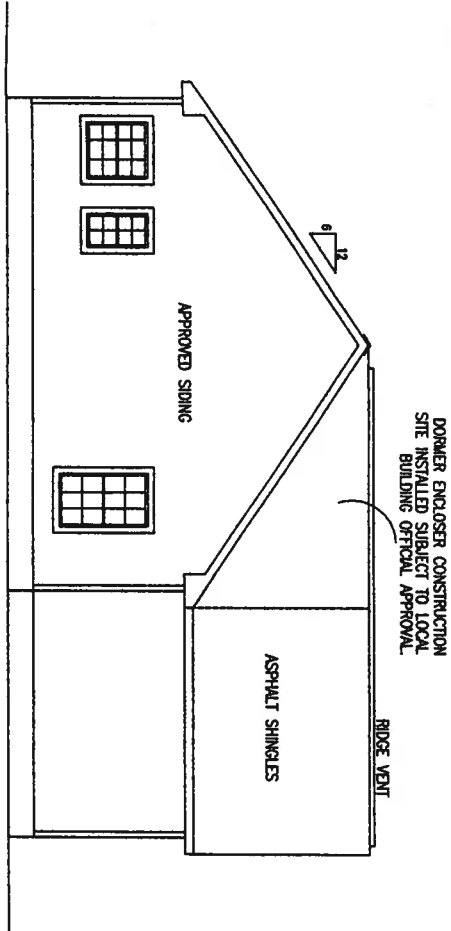
NOTE THAT THIS LIST DOES NOT NECESSARY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL.

- 1) THE COMPLETE FOUNDATION SUPPORT AND TIEDOWN SYSTEM.
- 2) RAMPS, STAIRS, AND GENERAL ACCESS TO THE BUILDING.
- 3) PORTABLE FIRE EXTINGUISHER(S)
- 4) BUILDING DRAINS, CLEANOUTS AND HOOK-UP TO PLUMBING SYSTEM.
- 5) ELECTRICAL SERVICE HOOK-UP, INCLUDING THE FEEDERS TO THE BUILDING.
- 6) THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS.
- 7) CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATE LINES (MULTI-UNITS ONLY)
- 8) STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY)

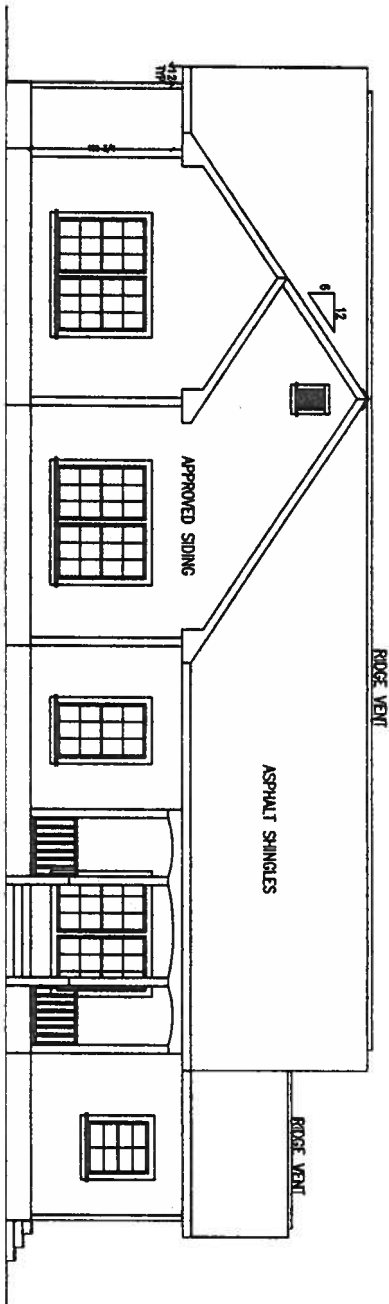
ALSO SEE LIST OF REQUIREMENTS IN LOCAL INSPECTORS NOTES BELOW

NOTE THE BUILDING SPECIFIED ON THESE DRAWINGS IS EXCLUDING FROM COVERAGE OF THE MANUFACTURED HOUSING CONSTRUCTION AND SAFETY STANDARDS ACT, 42 U.S.C.5-5401 ET SEQ. UNDER PROVISIONS OF 24 CFR 3282.12, IN THAT THE BUILDING IS:

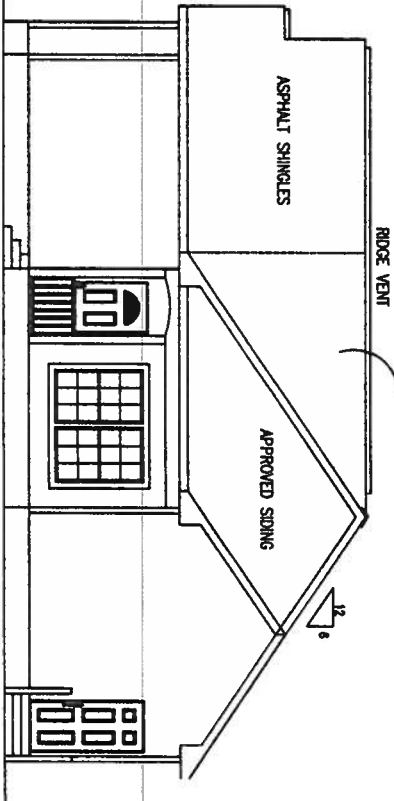
- 1) INTENDED ONLY FOR ERECTION OR INSTALLATION ON A SITE-BUILT PERMANENT FOUNDATION;
- 2) NOT DESIGNED TO BE MOVED ONCE ERECTED OR INSTALLED; AND
- 3) DESIGNED AND MANUFACTURED TO COMPLY WITH A NATIONALLY RECOGNIZED MODEL BUILDING CODE OR AN EQUIVALENT BUILDING CODE FOR SITE-BUILT HOUSING.



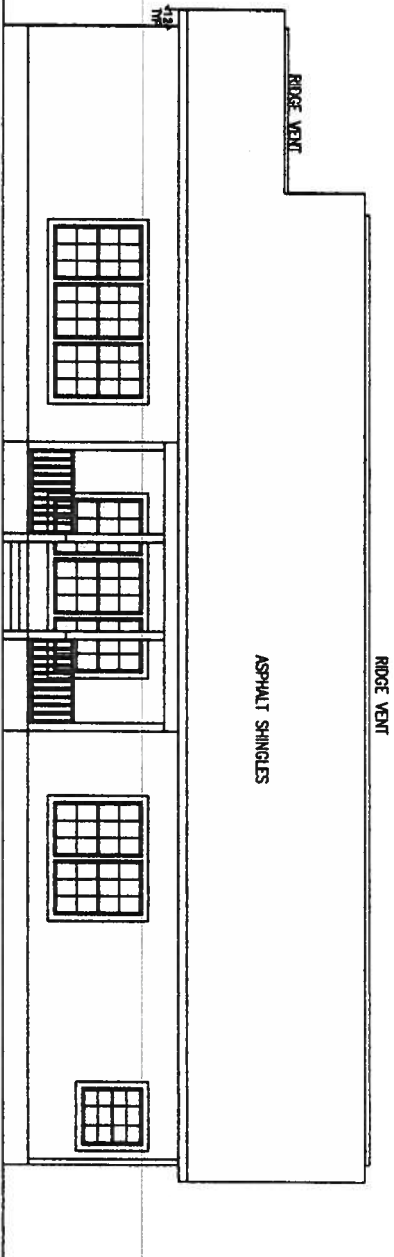
LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

BUILDING SITE INSTALLATION REQUIREMENTS:
ATTENTION LOCAL INSPECTIONS DEPARTMENT:

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE BUILDING MANUFACTURER, HAVE NOT BEEN INSPECTED BY THE THIRD PARTY INSPECTION AGENCY, AND ARE NOT CERTIFIED BY THE SAFE MODULAR LABEL AND/OR CERTIFICATION. CODE COMPLIANCE FOR THESE ITEMS MUST BE DETERMINED AT THE LOCAL LEVEL: NA

- 1) THE COMPLETED FOUNDATION SUPPORT SYSTEM AND TIEDOWN AND/OR ANCHORAGE SYSTEM.
- 2) RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
- 3) BUILDING DRAINS, CLEANOUTS AND HOOK-UPS TO PLUMBING SYSTEM, AND FINISH PLUMBING.
- 4) ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS AND THE MAIN ELECTRICAL PANEL).
- 5) CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULAR MATE LINES (MULTI-WIDE UNITS ONLY).
- 6) STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
- 7) INSTALLATION OF INSULATION AT FLOOR, CEILING AND EXTERIORS AT MATING LINES (MULTI-WIDE UNITS ONLY).
- 8) INSTALL RIGID INSULATION ON ALL PERIMETERS INSTALLED IN UNCONDITIONED SPACES.
- 9) INSTALL FIRESTOPPING AT ALL MODULE MATE LINES AT THE MARRIAGE WALL CEILING HEIGHT AND AT THE FLOOR SYSTEM.
- 10) CRAWL SPACE LIGHT AND SWITCH.
- 11) HVAC SYSTEM CROSSOVER DUCTS, AND HVAC SYSTEMS.*
- 12) RIDGE VENT MUST BE INSTALLED IN ACCORDANCE WITH THE VENT MANUFACTURERS INSTRUCTIONS.
- 13) STORM PROTECTION PANELS REQUIRED FOR GLAZED OPENINGS PER IRC SECTION 1606.23.
- 14) FLASH VENT AND INSPECTION REQUIRED BY CHAPTER 603 F.2. TO BE DONE ON-SITE BY LOCAL FREESAFETY INSPECTOR.
- * HEAT PUMP COOLING SYSTEM REQUIRED WITH SEER = 13.0 (MIN)

***NOTE: EACH 26GA STRAP REFERENCE SHALL BE REPLACED USING A SIMPSON STRONG TIE MSTA15 OR ST 292

THIS STRUCTURE CANNOT BE LOCATED ON THE UPPER HALF OF AN "ISOLATED HILL, RIDGE OR ESCARPMENT" WHICH SATISFIES ALL OF THE FOLLOWING:

- 1) HILL, RIDGE OR ESCARPMENT IS HIGHER THAN 30 FEET IN EXPOSED LOCATIONS AND 60 FEET IN EXPOSED LOCATIONS
- 2) AVERAGE SLOPE OF HILL EXCEEDS TEN PERCENT
- 3) THE HILL, RIDGE OR ESCARPMENT HAS NO OBSTRUCTIONS TO WIND MOVEMENT BY TOPOGRAPHIC FEATURES FOR A DISTANCE FROM THE HIGH POINT OF THE HILL, RIDGE OR ESCARPMENT EQUAL TO 50 TIMES THE HEIGHT OF THE HILL, RIDGE OR ESCARPMENT OR ONE MILE, WHICHEVER IS LESS.

ELEVATION NOTES (TYPICAL)

HANDICAP RAMP(S), STAIR(S), AND HAND RAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION REVIEW AND APPROVAL.

FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150th OF THE FLOOR AREA AND 18"x24" MIN. CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS. SUBJECT TO LOCAL JURISDICTION REVIEW & APPROVAL (MIN. 14.3 SQ. FT. NET VENT AREA REQUIRED)

ATTIC VENTILATION ACHIEVED BY RIDGE VENT AND SOFFIT VENTS (SEE CROSS SECTION DRAWING FOR SPECS)

THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE

FILE COPY

DESTINY INDUSTRIES, LLC

250 RW BRYANT ROAD
MOULTRIE, GA 31776

DATE: 8/14/05

CODES: FBC

LABELS: FL

SCALE: NTS

MODEL: ME684-16 FLIP

KEVIN M. FINN, P.E.
CONSULTING ENGINEER

REVISION

REVISION

REVISION

REVISION

REVISION

DRAWN BY:

JWB

JWB

JWB

JWB

SHEET

1 OF 8

1 OF 8

1 OF 8

1 OF 8

THE FBC CODE REQUIRES THAT ALL BUILDINGS LOCATED IN AREAS WITH WIND SPEEDS EQUAL TO OR GREATER THAN 120 MPH AND ALL BUILDINGS LOCATED IN AREAS WITH WIND SPEEDS EQUAL TO OR GREATER THAN 110 MPH WHICH ARE WITHIN ONE MILE OF A HURRICANE PRONE COAST LINE BE PROVIDED WITH EITHER OF THE FOLLOWING:

(1) IMPACT RESISTANT GLAZING COMPLYING WITH AN IMPACT GLAZING STANDARD, ASTM E1996 AND/OR ASTM E1886

(2) STORM PROTECTION WOOD STRUCTURAL PANELS (I.E., MIN. 7/16" OSB OR PLYWOOD) PRE-CUT TO FIT THE GLAZING OPENINGS WITH THE ATTACHMENT HARDWARE PROVIDED. THE PROTECTIVE PANELS MUST BE INSTALLED IN ACCORDANCE WITH THE FASTENING SCHEDULE PROVIDED IN TABLE 1609.1.4 FOR WIND SPEEDS NOT EXCEEDING 130 MPH OR THE ATTACHMENTS MUST BE DESIGNED TO RESIST THE COMPONENT AND CLADDING LOADS SPECIFIED ON TABLE 1609.6B ADJUSTED FOR HEIGHT AND EXPOSURE PER TABLE 1609.6D

NOTE: THE STORM PROTECTIVE PANELS MAY BE PROVIDED BY THE LOCAL CONTRACTOR OR INSTALLER RATHER THAN THE BUILDING MANUFACTURER.

IN ADDITION, EXTERIOR WINDOWS AND DOORS MUST BE DESIGNED TO RESIST THE DESIGN WIND LOADS SPECIFIED IN TABLE 1606.2B OF THE FBC CODE ADJUSTED FOR HEIGHT AND EXPOSURE PER TABLE 1606.2D OF THE FBC CODE.

ALL EXTERIOR WINDOWS AND GLASS DOORS MUST BE TESTED AND APPROVED BY AN APPROVED INDEPENDENT LABORATORY AND BEAR A LABEL INDICATING COMPLIANCE WITH AAMA/NWMA 101/115.2

*ART. LIGHT AND VENT PROVIDED

LIGHT AND VENT CHART	FLOOR AREA SQ. FT.	LIGHT PROVIDED		VENT PROVIDED	
		REQUIRED	PROVIDED	REQUIRED	PROVIDED
MASTER BEDROOM	196	15.68	7.84	12.28	12.28
BEDROOM 2	124	9.92	4.96	6.14	6.14
BEDROOM 3	146	11.68	5.84	12.28	12.28
STUDY	154	12.32	6.16	12.28	12.28
GREAT ROOM	386	30.88	15.44	24.56	24.56
KITCHEN	212	18.96	8.48	18.42	18.42
DINING	137	10.96	5.48	24.56	24.56

WINDOW SCHEDULE				
WIDTH	HEIGHT	TYPE	LGHT SQ FT	VENT SQ FT
46"	40"	SINGLE HUNG	10.08	4.97
46"	60"	SINGLE HUNG	15.97	7.98
36"	60"	SINGLE HUNG	12.2	6.14
36"	40"	SINGLE HUNG	7.71	3.82
72"	80"	SINGLE HUNG	33.37	16.30
40"	32"	SINGLE HUNG	7.10	-

ALL DOORS ARE 80" HIGH (SEE PLAN FOR WIDTH)

ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN BEDROOMS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC

NOTE: ALL WINDOWS TO BE SINGLE HUNG W/ INSULATED GLAZING (U=.48 MAX; KINRO SERIES 9750)

ALL EXTERIOR DOORS TO BE INSULATED (U=.52) EXTERIOR PATIO DOORS TO BE INSULATED (U=.38) ALL INTERIOR PARTITIONS 2x4 STUDS @ 24"O.C. SPF#3 MIN., UNLESS OTHERWISE NOTED.

ALL STRAPS REFERENCED ON THE FLOOR PLAN ARE 1 1/2" X 26 GA STEEL W/ 8- 15 GA X 1" STAPLES EACH END FROM RIDGE BEAM TO STUD AND STUD TO EDGE JOIST(S) OR FROM HEADER TO STUD AND STUD TO EDGE JOIST(S) (FY = 44 KSI)

2279 TOTAL SQUARE FOOTAGE
2137 HEATED & COOLED
308 SQ FT GLAZING

DESTINY INDUSTRIES, LLC

250 RW BRYANT ROAD
MOUTRIE, GA 31776

DATE: 8/11/05

REVISION

CODES: FBC

FL

REVISION

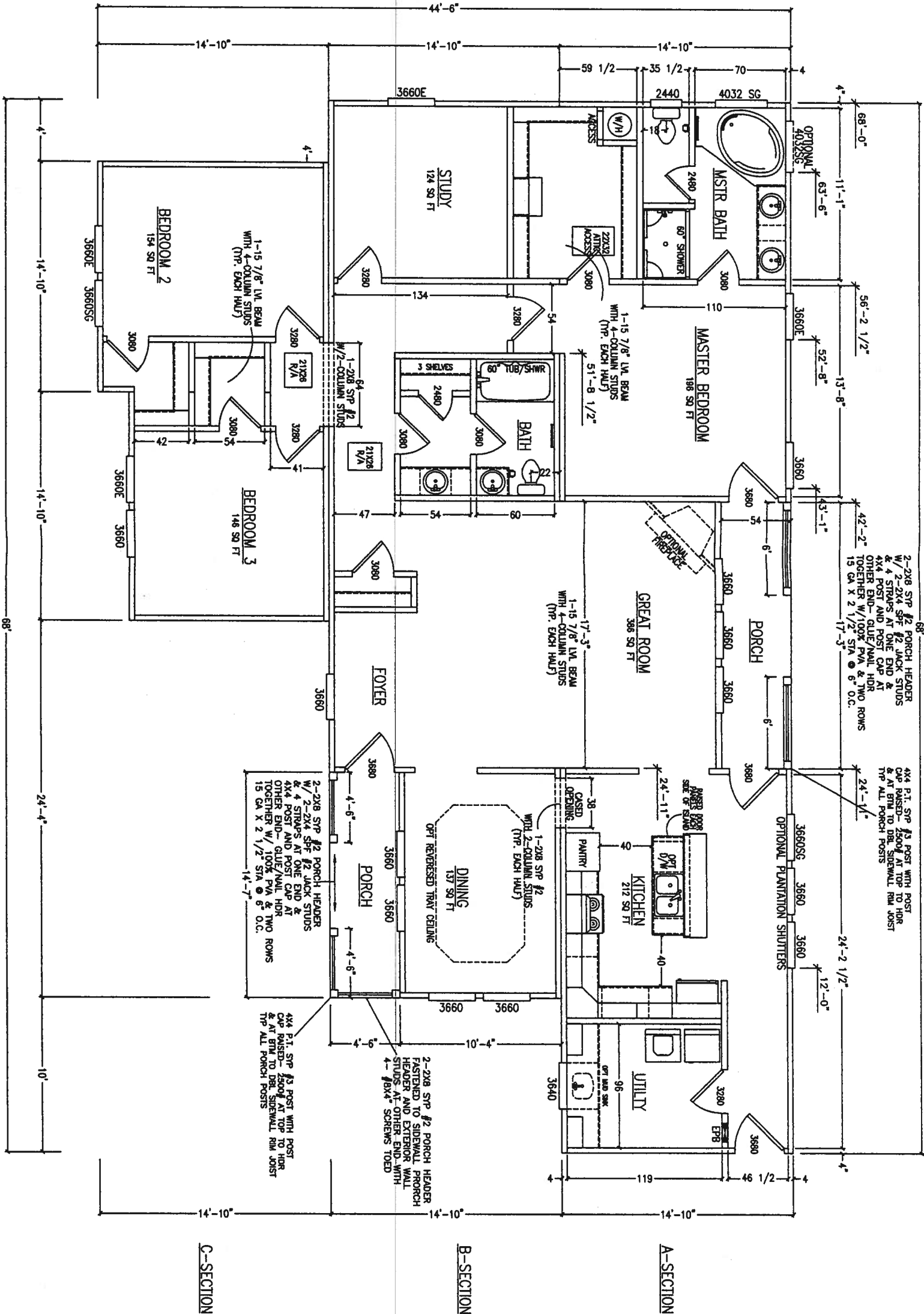
LABELS: NTS

MODEL: ME 684-16 FLIP

DRAWN BY: JWB

DRAWING: FLOOR PLAN

SHEET 2 OF 8



A-SECTION

B-SECTION

C-SECTION

68

3660 3660 3660 24'-2 1/2" 4" 12" 3"

40' 40'

KITCHEN 212 SQ. FT.

UTILITY 7'6" 7'6"

BATH 7'6" 7'6"

78 1/2'

14'-10"

ARCHED OPENING

SCREEN DOOR
SIDE OF PORCH

6'0" x 7'0"

40

40

KITCHEN
21'2" x 30'0"

WALL OVEN

22

BATH
2'2" x 6'0"

UTILITY
3'0" x 6'0"

36

78 1/2

14'-10"

1-2x8 SYP #2
WITH 2-COLD-CHAM STUDS
(TOP EACH HALF)

WITH 2-COLUMN STUDS
(77" EACH HALL)

DINING
137 SQ. FT.

NET RAISED ITALY CEILING

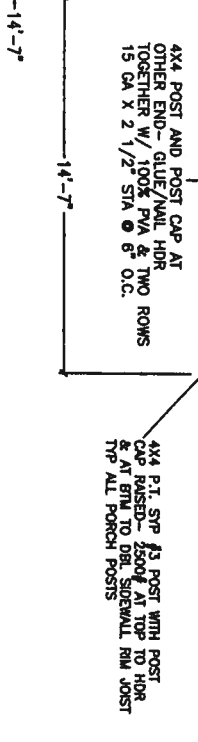
3660 3660

10'-4"

8"

4"

(2) DECORATIVE COLUMNS
ARCHED OPENING



WINDOW SCHEDULE				
WIDTH	HEIGHT	TYPE	LIGHT SQ. FT.	VENT SQ. FT.
46"	40"	SINGLE HUNG	10.08	4.97
46"	60"	SINGLE HUNG	15.97	7.98
36"	60"	SINGLE HUNG	12.2	6.14
36"	40"	SINGLE HUNG	7.71	3.82
72"	80"	SINGLE HUNG	33.37	16.30
40"	32"	SINGLE HUNG	7.10	-

NOTE: ALL WINDOWS TO BE SINGLE HUNG W/ INSULATED GLASS UNITS. ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN BEDROOMS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC

250 RW BRYANT RD
MILLBIE CA 94747

DATE: 8/11/05	REVISION
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CODES:	FBC	
LABELS:	FL	REVISION

SCALE:	NTS
MODEL:	ME684-16
DRAWING:	OPT FLOOR P

LLC

DRAWN BY
JWB
SHEET
3 OF 3

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NEC.
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 8" FROM STORAGE AREA AS DEFINED BY NEC 410-8(c)

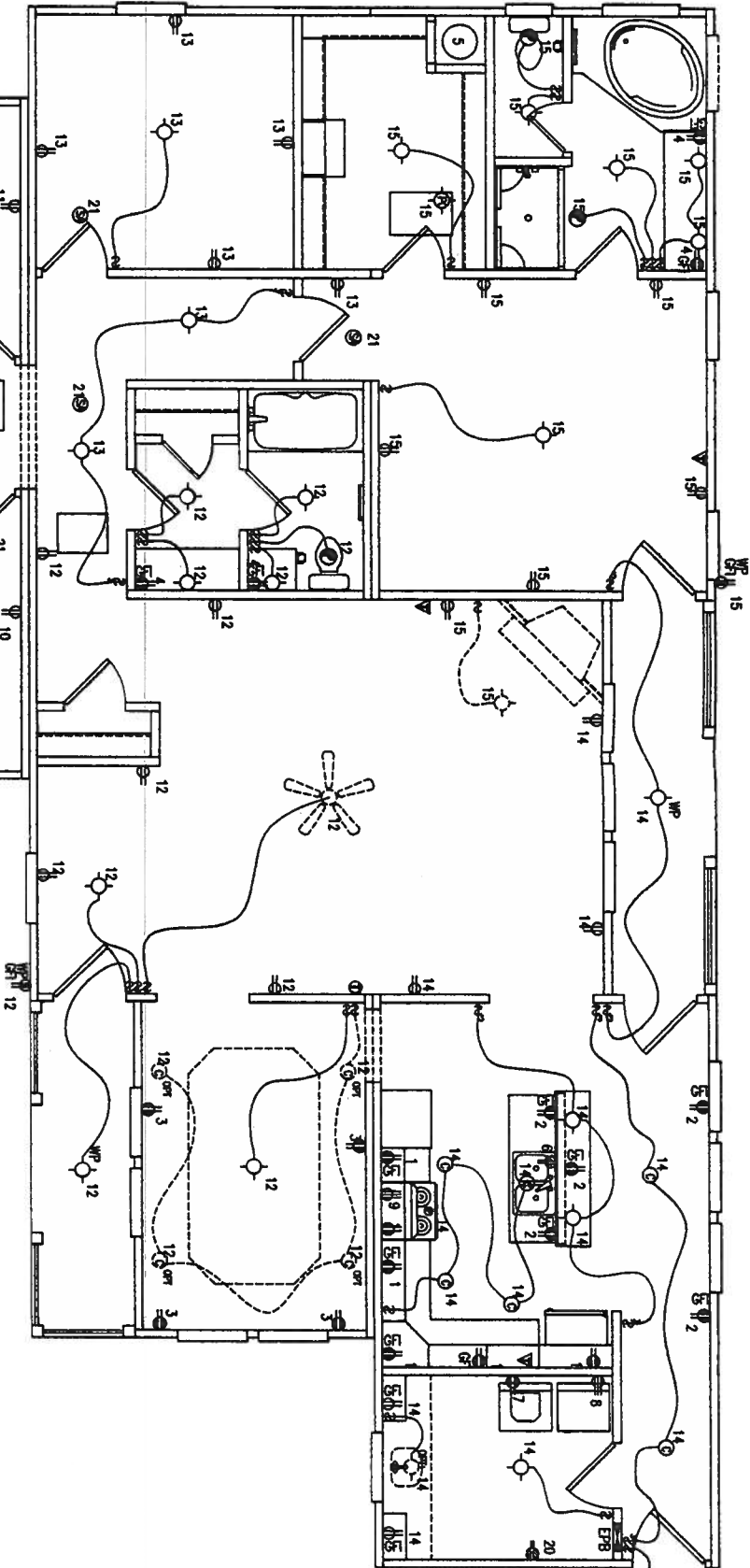
3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKERS SHALL BE PERMITTED TO SERVE AS DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A FUSE OR CIRCUIT BREAKER SHALL BE PROVIDED FOR EACH DISCONNECT. EQUIPMENT AND DISCONNECTS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER ACCESSIBLE CIRCUIT BREAKER.

5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM, THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED BY AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC.
6. THE MAIN ELECTRICAL PANEL, SERVICE DISCONNECT (MAIN CIRCUIT BREAKERS) AND FEEDERS ARE SITE INSTALLED, DESIGNED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION REGARDING ELECTRICAL CODES AND REGULATIONS.
7. ALL CIRCUITS TO BE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, LOCATED IN THE FLOOR OR IN THE ATTIC.
8. ALL CIRCUITS TO BE COPPER NM EXCEPT HVAC AND RANGE CIRCUITS TO BE COPPER SE CABLE (75°C)

9. LIGHT AND SWITCH TO BE SITE-INSTALLED IN THE CRAWL SPACE NEAR THE CRAWL SPACE ACCESS DOOR. LIGHT TO BE CONNECTED TO ANY OF THE INSTALLED GENERAL LIGHT LOCATIONS MUST BE IN A WEATHERPROOF ENCLOSURE WITH INTEGRITY OF WHICH IS NOT AFFECTED WHEN THE ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
11. SMOKE DETECTORS MUST BE WIRED TO ACTIVATE ALL ALARMS SIMULTANEOUSLY IF ANY DETECTOR IS ACTIVATED. ALL SMOKE DETECTORS LOCATED WITHIN 20 FEET OF A COOKING APPLIANCE SHALL BE THE PHOTOELECTRIC TYPE.
12. ALL FANS MUST BE DUCTED TO THE EXTERIOR OF THE BUILDING AND TERMINATE AT AN APPROVED VENT CAP.

HVAC
INSTALLATION OF HVAC SUPPLY AND RETURN SYSTEM IS TO BE COMPLETED AND BALANCED/CALIBRATED, ONSITE (UNDER SEPARATE CONTRACT)

ELECTRICAL NOTES:



ELECT. NOTE:

ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN BEDROOMS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC

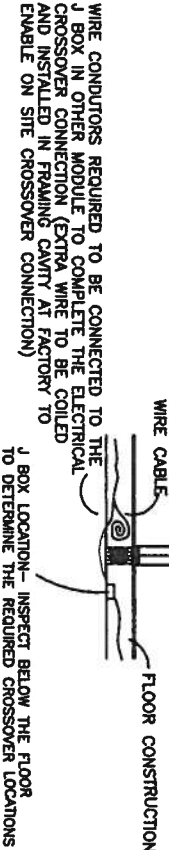
ELECTRICAL CIRCUIT SCHEDULE			ELECTRICAL LEGEND	
R	DESCRIPTION	COND. SIZE (CU)	BREAKER	
	SMALL APPLIANCE	12-2 W/ GND	20A	⦿ PULL CHAIN LIGHT
	SMALL APPLIANCE	12-2 W/ GND	20A	⦿ RANGE EXHAUST FAN
	SMALL APPLIANCE	12-2 W/ GND	20A	⦿ EXT PORCH LIGHT
	SMALL APPLIANCE	12-2 W/ GND	20A	⦿ FLUORESCENT LIGHT
	WATER HEATER	10-2 W/ GND	25 2P	⦿ INCANDESCENT LIGHT
	DISHWASHER (OPT)	12-2 W/ GND	20A	⦿ EXHAUST FAN
	WASHER	12-2 W/ GND	20A	⦿ PANEL BOX
	DRYER	10-3 W/ GND	30 2P	⦿ CAN LIGHT
	RANGE	8-3 W/ GND	40 2P	⦿ DUPLICATION RECEPT
0	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
1	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
2	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
3	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
4	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
5	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
6	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
7	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
8	GENERAL LIGHTING	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
9	COOK TOP	10-3 W/ GND	30 2P	⦿ SMOKE DETECTOR
0	FREEZER (OPT)	12-2 W/ GND	20A	⦿ SMOKE DETECTOR
1	SMOKE DETECTORS	14-2 W/ GND	15A AFCI	⦿ SMOKE DETECTOR
2	WALL OVEN	10-3 W/ GND	30 2P	⦿ SMOKE DETECTOR

ELECTRICAL CROSS OVER DETAIL

EXTEND THE COILED WIRE CABLE TO THE J BOX IN THE OTHER MODULE. CONNECT THE CABLE TO THE J BOX WITH A LISTED WIRE CONNECTOR. CONNECT EACH CONDUCTOR TO THE CORRESPONDING CONDUCTOR BASED ON EACH CONDUCTOR'S COLOR. (E.G. RED TO RED, BLUE TO BLUE, ETC.) AND CONNECT THE GROUNDING WIRE TO BOTH THE GROUNDING WIRE(S) IN THE OTHER MODULE AND THE J BOX GROUNDING SCREW. IF MORE THAN ONE CIRCUIT IS TO BE CONNECTED IN THE SAME JUNCTION BOX, VERIFY THAT THE CORRECT CIRCUITS ARE BEING SPLICED TOGETHER BEFORE CONNECTING ANY WIRES TOGETHER.

RE-INSTALL THE JUNCTION BOX COVER PLATE AND TEST EACH CIRCUIT AS REQUIRED BY THE LOCAL BUILDING OFFICIAL. (HAVE ALL WORK INSPECTED AND APPROVED BY THE LOCAL BUILDING OFFICIAL BEFORE INSTALLING THE J BOX COVER OR TURNING ON THE POWER TO THE BUILDING OR CIRCUIT.)

THE DETAIL BELOW IS SHOWN FOR ELECTRICAL CROSS-OVER CONNECTIONS INSTALLED BELOW THE FLOOR SYSTEM. THESE SAME PROCEDURES SHOULD BE USED FOR ELECTRICAL CROSSOVERS INSTALLED IN THE ATTIC. INSPECT THE ATTIC NEAR THE MATE LINE FOR ALL SUCH REQUIRED ELECTRICAL CROSSOVER CONNECTIONS.



PANEL SIZING

(TYPICAL FOR HOMES UP TO 3000 SQ FT)

- 9,000 KW = 3000 SQ FT @ 3 WATTS/SQ. FT
- 3,000 KW = (2) 20 AMP APPLIANCE CIRCUITS
- 1,500 KW = LAUNDRY CIRCUIT
- 13,000 KW = RANGE
- 5,200 KW = CLOTHES DRYER
- 4,500 KW = WATER HEATER
- 1,400 KW = DISHWASHER
- 37,600 KW = TOTAL

10,000 KW = FIRST 10 KW @ 100%
11,000 KW = REMAINDER @ 40% (27.6)(.4)
20,800 KW = ASSUMED HVAC
41,940 KW = TOTAL

CALCULATED LOAD FOR SERVICE SIZE:
41,940 W / 240 VOLTS = 174.75 AMPERES

200 AMP SERVICE STANDARD

OVERHEAD MAST
INSTALLED ON SITE
PER NEC

200 AMP SERVICE

METER

2" TYPE LB
CONDUIT FITTING

2" COOPER
GROUND WIRE

SE CABLE
CU 3/0-5

200 AMP SERVICE PANEL

STUB 1 1/2" EMPTY CONDUIT-
FOR FUTURE FIXTURES
CONDUITS MAY BE RIGID METAL
OR RIGID NONMETALIC PER NEC

DESTINY INDUSTRIES LLC

250 RW BRYANT ROAD
MOUTRIE, GA 31776

DATE: 6/13/05
CODES: RBC
LABELS: FL
SCALE:
MODEL:
DRAWING:

REVISION
SQ. FT.
JMB
SHEET
4 OF 8

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NEC.
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 8" FROM STORAGE AREA AS DEFINED BY NEC 410-8(d)

3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKERS SHALL BE PERMITTED TO SERVE AS DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS LOCATED IN THE ATTIC. THE DISCONNECT SHALL BE WITHIN REACHED "OPEN" POSITION. THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.

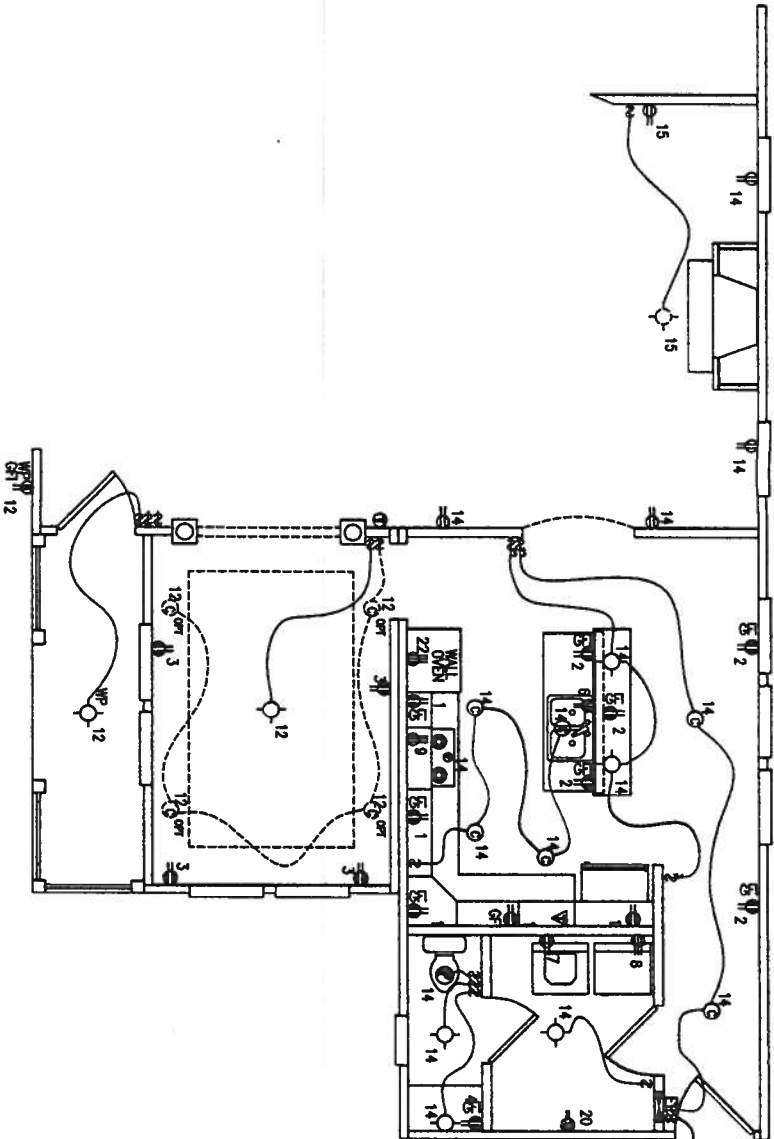
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM, THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED BY AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC.
6. THE MAIN ELECTRICAL PANEL, SERVICE DISCONNECT (MAIN CIRCUIT BREAKERS) AND FEEDERS ARE SITE INSTALLED, DESIGNED BY OTHERS AND SUBCIRCUITS CROSSING OVER MODULAR MOUNTING LINES(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, LOCATED IN THE FLOOR OR IN THE ATTIC.
8. ALL CIRCUITS TO BE COPPER NM EXCEPT HVAC AND RANGE CIRCUITS TO BE COPPER SE CABLE (75C)

8. LIGHT AND SWITCH TO BE SITE-INSTALLED IN THE CRAWL SPACE NEAR THE CRAWL SPACE ACCESS DOOR LATCH TO BE CONNECTED TO AND FROM THE INSTALLED GENERAL LATCH LOCATIONS MUST BE IN A WEATHERPROOF ENCLOSURE WITH INTERFERENCE OF WHICH IS NOT AFFECTED WHEN THE ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
11. SMOKE DETECTORS MUST BE WIRED TO ACTIVATE ALL ALARMS SIMULTANEOUSLY IF ANY DETECTOR IS ACTIVATED. ALL SMOKE DETECTORS LOCATED WITHIN 20 FEET OF A COOKING APPLIANCE SHALL BE THE PHOTOELECTRIC TYPE.
12. ALL FANS MUST BE DUCTED TO THE EXTERIOR OF THE BUILDING AND TERMINATE AT AN APPROVED VENT CAP.

HVAC
INSTALLATION OF HVAC SUPPLY AND RETURN SYSTEM IS TO BE COMPLETED AND BALANCED/CALIBRATED, ONSITE (UNDER SEPARATE CONTRACT)

ELECTRICAL NOTES:

OPTIONAL UTIL.KIT & GREAT ROOM LAYOUT



ELECT. NOTE:

ALL BRANCH CIRCUITS SUPPLYING 15 AND 20 AMP OUTLETS IN BEDROOMS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER IN ACCORDANCE WITH SECTION 210.12 OF THE NEC

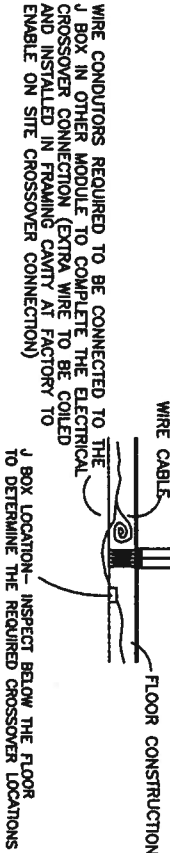
ELECTRICAL CIRCUIT SCHEDULE			ELECTRICAL LEGEND	
R	DESCRIPTION	COND. SIZE (CU)	BREAKER	
1	SMALL APPLIANCE	12-2 W/ GND	20A	⊕ PULL CHAIN LIGHT
2	SMALL APPLIANCE	12-2 W/ GND	20A	⊕ RANGE EXHAUST FAN
3	SMALL APPLIANCE	12-2 W/ GND	20A	⊕ EXT PORCH LIGHT
4	SMALL APPLIANCE	12-2 W/ GND	20A	⊕ FLUORESCENT LIGHT
5	WATER HEATER	10-2 W/ GND	25 2P	⊕ INCANDESCENT LIGHT
6	DISHWASHER (OPT)	12-2 W/ GND	20A	⊕ EXHAUST FAN
7	WASHER	12-2 W/ GND	20A	⊕ PANEL BOX
8	DRYER	10-3 W/ GND	30 2P	⊕ SMOKE DETECTOR
9	RANGE	8-3 W/ GND	40 2P	⊕ CAN LIGHT
10	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	⊕ DUPLEX RECEPTACLE
11	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	⊕ 240V RECEPT
12	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	⊕ SWITCH
13	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	⊕ 3-WAY SWITCH
14	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
15	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
16	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
17	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
18	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
19	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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22	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
23	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
24	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
25	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
26	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
27	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
28	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
29	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
30	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
31	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
32	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
33	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
34	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
35	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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44	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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46	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
47	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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51	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
52	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
53	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
54	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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56	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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61	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
62	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
63	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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66	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
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97	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
98	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
99	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	
100	GENERAL LIGHTING	14-2 W/ GND	15A, AFCI	

ELECTRICAL CROSS OVER DETAIL

EXTEND THE COILED WIRE CABLE TO THE J BOX IN THE OTHER MODULE. CONNECT THE CABLE TO THE J BOX WITH A LISTED WIRE CONNECTOR. CONNECT EACH CONDUCTOR TO THE CORRESPONDING CONDUCTOR BASED ON EACH CONDUCTORS NUMBERING (E.G. 1 TO 1, 2 TO 2, ETC.) AND CONNECT THE GROUNDING WIRE TO BOTH THE GROUNDING WIRE(S) IN THE OTHER MODULE AND THE J BOX GROUNDING SCREEN. IF MORE THAN ONE CIRCUIT IS TO BE CONNECTED IN THE SAME JUNCTION BOX, VERIFY THAT THE CORRECT CIRCUITS ARE BEING SPACED TOGETHER BEFORE CONNECTING ANY WIRES TOGETHER.

RE-INSTALL THE JUNCTION BOX COVER PLATE AND TEST EACH CIRCUIT AS REQUIRED BY THE LOCAL BUILDING OFFICIAL. (HAVE ALL WORK INSPECTED AND APPROVED BY THE LOCAL BUILDING OFFICIAL BEFORE INSTALLING THE J BOX COVER OR CIRCUIT.)

THE DETAIL BELOW IS SHOWN FOR ELECTRICAL CROSS-OVER CONNECTIONS INSTALLED BELOW THE FLOOR SYSTEM. THESE CONNECTIONS SHOULD BE USED FOR ELECTRICAL CROSSOVERS LOCATED IN THE ATTIC. INSPECT THE ATTIC NEAR THE MATE LINE FOR ALL SUCH REQUIRED ELECTRICAL CROSSOVER CONNECTIONS.



PANEL SIZING

(TYPICAL FOR HOMES UP TO 3000 SQ FT)

9,000 KW = 3000 SQ FT @ 3 WATTS/SQ FT
3,000W = (2) 20 AMP APPLIANCE CIRCUITS
1,500W = LAUNDRY CIRCUIT
1,500W = RANGE
5,200W = CLOTHES DRYER
4,500W = WATER HEATER
1,400W = DISHWASHER
37,600W = TOTAL

10,000KW = FIRST 10 KW @ 100%
11,04KW = REMAINDER @ 40% (27.6)(.4)
20,800W = ASSUMED HVAC
41,94KW = TOTAL

CALCULATED LOAD FOR SERVICE SIZE:
41,940 W / 240 VOLTS = 174.75 AMPERES

200 AMP SERVICE STANDARD

DESTINY INDUSTRIES LLC

250 RW BRYANT ROAD
MOLTRIE, GA 31776

DATE: 6/13/06

CODES: TBC

LABELS: FL

SCALE:

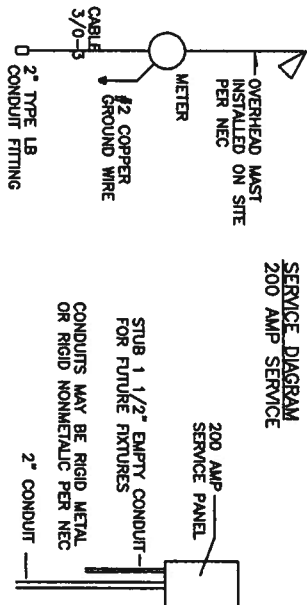
MODEL:

DRAWING:

ME 684-16 FLIP

OPT ELECTRICAL

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SEE NOTES AT BOTTOM OF PAGE

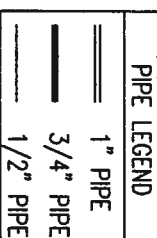


PIPE LEGEND

=====	1" PIPE
=====	3/4" PIPE
=====	1/2" PIPE



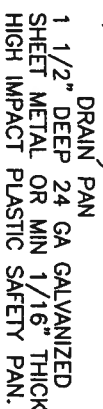
SURE RANGE TO BE 40 TO 49 PSI
DEVELOPED LENGTH 70'-0"



PRESSURE RANGE TO BE 40 TO 49 PSI
DEVELOPED LENGTH 70'-0"



T&P
RELIEF
VALVE
3/4
COLD



CHANGE IN DIRECTION IN SCHEDULE 40 DW-PVC AND ABS DRAINAGE PIPING SHALL BE MADE BY THE APPROPRIATE USE OF 45° (0.785 RAD) WYES, QUARTER BENDS, OR LONG SWEEP QUARTER BENDS, ONE-SIXTH, ONE-EIGHTH, ONE-SIXTEENTH BENDS, OR BY A COMBINATION OF THESE OR EQUIVALENT FITTINGS. SINGLE AND DOUBLE SANITARY TEES AND QUARTER BENDS MAY BE USED IN DRAINAGE LINES ONLY WHERE THE DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL.

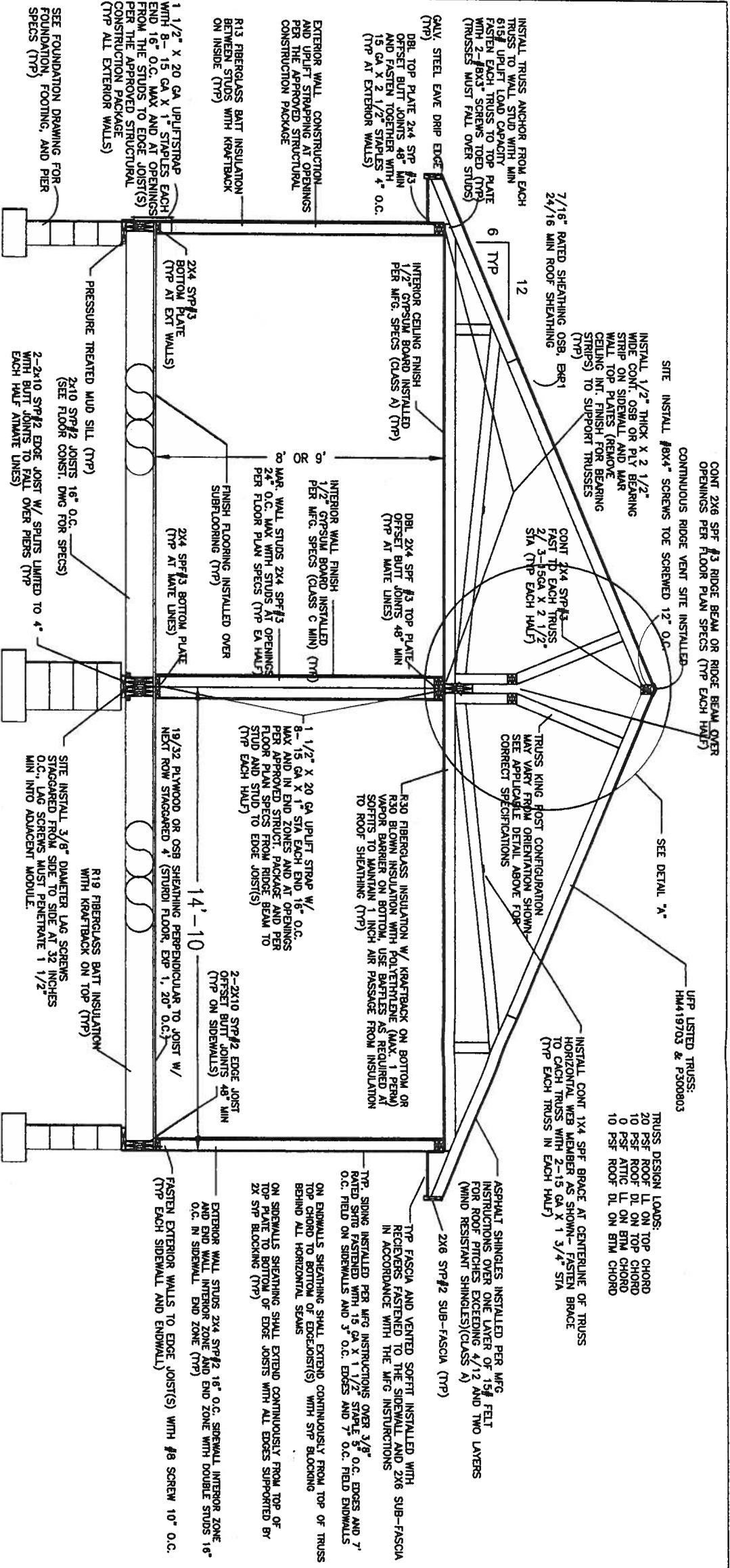
SHORT SWEEPS NOT LESS THAN 3 INCHES DIAMETER MAY BE USED IN SOIL AND WASTE LINES WHERE THE CHANGE IN DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL AND MAY BE FOR MAKING NECESSARY OFFSETS BETWEEN THE CEILING AND THE NEXT FLOOR ABOVE.

1. TUB ACCESS PROVIDED UNDER HOME UNLESS OTHERWISE NOTED.
2. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALVES.
3. WATER HEATER SHALL HAVE SAFETY PAN WITH 3/4" DRAIN TO EXTERIOR. T&P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT-OFF VALVE WITHIN 3 FEET ON THE COLD WATER SUPPLY LINE.
4. DWV SYSTEM SHALL EITHER BE ABS OR PVC-DWV.
5. WATER SUPPLY LINES SHALL BE CPVC (SCH 40 OR SDR11) OR PEX. WATER SUPPLY LINES MAY BE STUBBED THROUGH THE FLOOR (ONLY) WITH THE ON-SITE INSTALLATION OF ALL LINES BELOW THE FLOOR TO BE IN ACCORDANCE WITH THE SPECIFICATIONS ON THIS DRAWING.
6. WATER CLOSETS AVERAGE WATER USAGE SHALL NOT EXCEED 1.6 GAL/FLUSH.
7. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS. SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. UNDERFLOOR TRAP ARMS NOT INSTALLED IN THE FACTORY DUE TO POSSIBLE IN-TRANSIT DAMAGE ARE TO BE SITE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS ON THIS DRAWING.
9. AN ACCESSIBLE SHUT OFF VALVE SHALL BE PROVIDED AHEAD OF THE FIRST OUTLET OR BRANCH CONNECTION TO THE SERVICE OR DISTRIBUTION PIPE. THIS SHUT OFF VALVE MAY BE SITE INSTALLED.
10. SINKS AND LAVS SHALL NOT USE MORE THAN 2.2 GAL/MIN @ 60 PSI.
11. SHOWER HEADS SHALL NOT USE MORE THAN 2.5 GAL/MIN @ 80 PSI PER ANSI STD A 112.18.1M.
12. ALL SHOWERS TO HAVE TEMPERATURE OF WATER CONTROLLED BY A BALANCED PRESSURE, THERMOSTATIC OR COMBINATION BALANCED PRESSURE/THERMOSTATIC VALVE TO LIMIT THE WATER TEMP TO 120°F (VALVE TO COMPLY W/ ASSE 1016 OR CSA CAN/CSA-B125).
13. AIR ADMITTANCE VALVES (AV) SHALL CONFORM TO ASSE 1051.
14. THE AV VALVES SHALL BE LOCATED A MINIMUM OF 4 INCHES ABOVE THE HORIZONTAL DRAIN OR FIXTURE DRAIN BEING VENTED AND MUST BE INSTALLED IN WELL VENTILATED SPACES OR BE PROVIDED WITH VENTILATED ACCESS DOORS.
15. WATER HAMMER ARRESTORS TO BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED (I.E. DISHWASHERS, CLOTHES WASHERS, ICE MAKERS, OR OTHER QUICK CLOSING DEVICES WITH SOLENOID VALVES). ARRESTORS MUST COMPLY WITH ASSE/ANSI 1010 AND MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
16. AN APPROVED THERMAL EXPANSION DEVICE SHALL BE SITE INSTALLED IN THE WATER SUPPLY SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. (THIS DEVICE IS REQUIRED WHEN BACKFLOW PREVENTORS, PRESSURE REDUCING VALVES, CHECK VALVES, OR STORAGE WATER HEATERS ARE INSTALLED IN THE WATER SUPPLY SYSTEM WHICH MAY PREVENT PRESSURE RELIEF.

1. WATER HEATER SHALL BE PROVIDED WITH A COLD WATER "DIP" TUBE WITH A HOLE AT THE TOP OR A VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE WATER HEATER TANK. BOTTOM FED WATER HEATERS SHALL HAVE A VACUUM RELIEF VALVE COMPLYING WITH ANSI Z21.22 INSTALLED.
2. WATER HEATERS SHALL BE PROVIDED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE COMPLYING WITH ANSI Z21.22 INSTALLED IN THE SHELL OF THE WATER HEATER TANK. THE VALVE SHALL BE ACTUATED BY THE WATER IN THE TOP 6" OF THE TANK AND SHALL HAVE A TEMPERATURE RATING OF NOT MORE THAN 210°F AND A PRESSURE SETTING NOT EXCEEDING THE TANKS RATED WORKING PRESSURE OR 150 PSI, WHICHEVER IS LESS.
3. WATER HEATERS SHALL BE EQUIPPED WITH AN ENERGY CUTOFF DEVICE THAT WILL CUT OFF THE SUPPLY OF HEAT ENERGY TO THE WATER TANK BEFORE THE TEMPERATURE OF THE WATER IN THE TANK EXCEEDS 210°F.

250 RW BRYANT ROAD
MOULTRIE, GA 31778

DATE: 8/15/05	REVISION	DRAWN BY
CODES: FBC		JWB
LABELS: FL	REVISION	
SCALE: NTS		
MODEL: ME 684-16 FLIP		SHEET
DRAWING: PLUMBING		6 OF



GENERAL NOTES:

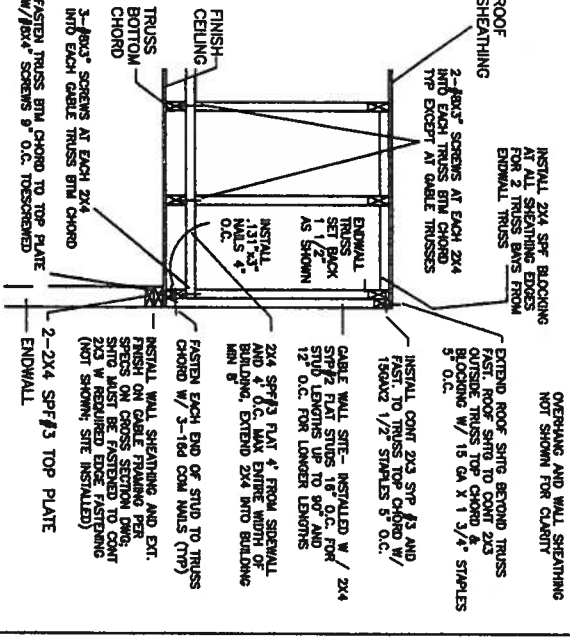
EXTERIOR JOINTS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE, SUCH AS AROUND WINDOWS AND DOOR FRAMES, BETWEEN WALL CANNIES AND WINDOWS OR DOOR FRAMES, ROOF / CEILING AND BETWEEN ALL WALL PANELS, OPENINGS AND PENETRATIONS OF UNLIT SERVICES THROUGH WALLS, FLOORS, ROOFS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE SHALL BE CAULKED GASKETED, WEATHER STRIPPED, OR OTHERWISE SEALED IN AN APPROVED MANNER.

SOFFIT VENTS AND RIDGE VENTS EQUAL TO 1/150 OF TOTAL ROOF AREA (THIS FACTOR MAY BE REDUCED TO 1/200 WHEN A VAPOR BARRIER OF 1 PERM OR LESS IS INSTALLED IN ATTIC) (MIN 7.2 SQ FT NET VENT AIR IS REQUIRED W/ VAPOR BARRIER)

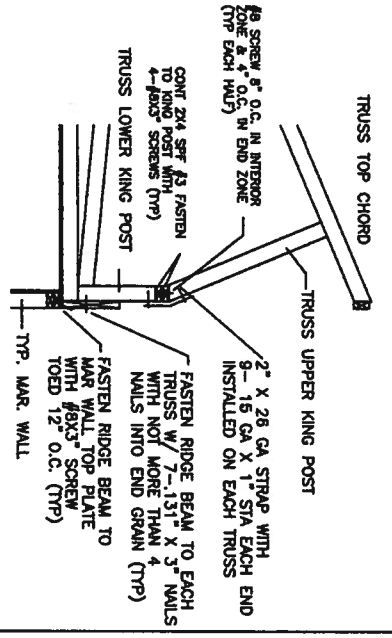
DETAIL "B"

ENDWALL BRACING CONSTRUCTION

REQUIRED EACH END WALL



DETAIL "A"



DESTINY INDUSTRIES LLC			
250 RW BRYANT ROAD			
MOULTRIE, GA 31776			
DATE: 8/15/05	REVISION		DRAWN BY: JWB
CODES: FBC			
LABELS: FL	REVISION		
SCALE: NTS			
MODEL: ME 684-16 FLIP			
DRAWING: CROSS SECTION			SHEET 8 OF 8

