DATE 12/29/2011	Columbia County Bo This Permit Must Be Prominently Posted	uilding Permit	struction	PERMIT 000029848
APPLICANT BO ROY.		PHONE	754-6737	000027040
ADDRESS 4068	US HWY 90 WEST	LAKE CITY		FL 32055
	L DENMARK	PHONE	352-672-0280	01
ADDRESS 759	SW WESTER DR	LAKE CITY		FL 32024
CONTRACTOR WI	LLIAM HARPER	PHONE	386-623-3873	
LOCATION OF PROPER	TY 47 S, L WETER DR, 1/2 MILE TO	O PROPERTY ON LEFT		
TYPE DEVELOPMENT	MODULAR HOME ON FRAM ES'	TIMATED COST OF CO	NSTRUCTION	0.00
			HEIGHT	STORIES
HEATED FLOOR AREA		-	×	
FOUNDATION	WALLS F	ROOF PITCH		OOR
LAND USE & ZONING	AG-3	MAX.	HEIGHT 35	5
Minimum Set Back Requi	rments: STREET-FRONT 30.00	REAR	25.00	SIDE <u>25.00</u>
NO. EX.D.U. 0	FLOOD ZONE X	DEVELOPMENT PERM	MIT NO.	
PARCEL ID 30-4S-17	-08912-003 SUBDIVISIO	N		
LOT BLOCK	PHASE UNIT	A CONTRACTOR OF THE PROPERTY O	L ACRES 2.2	0
		- 21		
	RR82811402	£1291 L		
Culvert Permit No. EXISTING	Culvert Waiver Contractor's License Nun 11-0509 BK	nber F	Applicant/Owner/O	N
Driveway Connection	Septic Tank Number LU & Zonii		roved for Issuance	
**	ONE FOOT ABOVE THE ROAD	,		
	FAMILY LOT FOR GRANDSON			1
			Check # or Ca	sh 1188
	FOR BUILDING & ZONIN	IG DEPARTMENT	ONLY	(footer/Slab)
Temporary Power	Foundation		Monolithic	(Tooler Stab)
	date/app. by	date/app. by	-	date/app. by
Under slab rough-in plum			Sheathing/N	Nailing
Framing	date/app. by	date/app. by		date/app. by
date/a	pp. by Insulation dat	e/app. by		
Rough-in plumbing above	slab and below wood floor	Ele	ectrical rough-in	
	ANTEN TO THE STATE OF THE STATE	late/app. by		date/app. by
Heat & Air Duct	Peri. beam (Linte date/app. by	date/app. by	Pool _	1.1.1
Permanent power	C.O. Final	date/app. by	Culvert	date/app. by
		date/app. by	(All of Date	date/app. by
Pump pole date/app. by	Utility Pole M/H tie d	owns, blocking, electricity	and plumbing	date/app. by
Reconnection	RV		Re-roof	
Albana Brandston and Charles	date/app. by	date/app. by		date/app. by
BUILDING PERMIT FEE	\$ 0.00 CERTIFICATION FE	E\$	SURCHARGE	FEE \$ 0.00
MISC. FEES \$ 350.0	ZONING CERT. FEE \$ 50.00	FIRE FEE \$0.00	WASTE	E FEE \$
FLOOD DEVELOPMENT	FEE \$ FLOOD ZONE FEE \$ _25.0	0 CULVERT FEE \$ _	тот	AL FEE 425.00
INSPECTORS OFFICE	9011	OI EDUC OPPIOE	(1/1/	
	1/10	CLERKS OFFICE _		

PERMIT

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

CHRCONTDA	CTOP	VERIFICATION	FORM

		SOBCONTRACTOR VERIFICATION FORM	
ATION NUMBER	29848	CONTRACTOR MM. HARVED	PHONE 386.623.387
	THIS FORM MU	UST BE SUBMITTED PRIOR TO THE ISSUANCE OF A P	

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

	1				
ELECTRICAL	Print Nam	e Kemny	Moore	Signature	ynn
	License #:	ERODOO .	691	Phone	#:386-752-6565
MECHANICAL/	Print Nam	e			
A/C	License #:			Phone #	#:
PLUMBING/	Print Nam	e		Signature	
GAS	License #:			Phone	#:
ROOFING	Print Nam	e		Signature	
	License #:			Phone	#:
SHEET METAL	Print Nam	e		Signature	
	License #:			Phone	
FIRE SYSTEM/	Print Nam	e		Signature	
SPRINKLER	License#:			Phone #	#:
SOLAR	Print Name	e		Signature	
	License #:			Phone #	#:
Specialty Li	cense	License Number	Sub-Contrac	tors Printed Name	Sub-Contractors Signature
MASON	S				sus contractors signature
CONCRETE FIN	IISHER				
FRAMING				1	
INSULATION					
STUCCO					
DRVMALL					

PLASTER CABINET INSTALLER PAINTING ACOUSTICAL CEILING **GLASS CERAMIC TILE** FLOOR COVERING ALUM/VINYL SIDING **GARAGE DOOR** METAL BLDG ERECTOR

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

1.00
Columbia County Building Permit Application
For Office Use Only Application # 1112-32 Date Received 12/15 By The Permit # 29848
Zoning Official BLK Date DEC 2011 Flood Zone X Land Use AS Zoning 49.3
FEMA Map # N/A Elevation N/A MFE/ about River N/A Plans Examiner 1.C. Date 12.21-11
Comments Section 14.9 Special Family Let Grandson
NOC HEH Deed or PA Site Plan Lastate Road Info Well letter #911 Sheet Dearent Parcel #
Dev Permit # In Floodway Letter of Auth. from Contractor F W Comp. letter
IMPACT FEES: EMS Fire Corr Sub VF Form Flunds
Road/CodeSchool= TOTAL (Suspended) App Fee Paid
Septic Permit No. 11-6509 Bo Roycle Fax 288, 9/94
Name Authorized Person Signing Permit WILLIAM L. HARPER Phone 386. 281.91943
Address 119 Sw HOBRY PL., LAKE CITY, FL. 32024
Owners Name RANDELS, DEMMARK Phone 352-692-0280
911 Address 759 SW WESTER, LAKE CAY, FL, 32024
Contractors Name WILLIAM L. HARPER Phone 386-623-8878
Address 119 Sw HOBBY PL., LAKE CITY, FL. 32024
Fee Simple Owner Name & Address
Bonding Co. Name & Address
Architect/Engineer Name & Address Custs KES 9263 and 47 L.O. Fh. 32060
Mortgage Lenders Name & Address First FED.
Circle the correct power company - FL Power & Light - Clay Elec Suwannee Valley Elec Progress Energy
Property ID Number 30-45-17-08912-003 Estimated Cost of Construction 100,000.00
Subdivision NameLot Block Unit Phase
Driving Directions GO Hay 47 SOUTH 1-M. PAST I-75, TURN LEFT
ON WESTER DR, GO & MILE , PROPERTY ON LEFT
Number of Existing Dwellings on Property
Construction of MODULAR HOME Total Acreage 2.2 Lot Size
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16
Actual Distance of Structure from Property Lines - Front 260 Side 95 Side 49 Rear
Number of Stories 1 Heated Floor Area 1928 Total Floor Area 1928 Roof Pitch 6:12
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11
OF# 1188

Columbia County Building Permit Application

<u>TIME LIMITATIONS OF APPLICATION</u>: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

<u>TIME LIMITATIONS OF PERMITS:</u> Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

<u>NOTICE TO OWNER:</u> There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

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

Contractor's License Number RR28181140 2
Columbia County

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 15 to Personally known or Produced Identification

SEAL:

State of Florida Notary Signature (For the Contractor)

Owners Signature

My Comm. Expires Aug 21, 2015
Commission # EE 123888
Bonded Through National Notary Assn.

WILLIAM P. CREWS Notary Public - State of Florida

Competency Card Number 000258

(Owners Must Sign All Applications Before Permit Issuance.)

**OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.

Page 2 of 2 (Both Pages must be submitted together.)

Revised 1-11

day of lecember



COLUMBIA COUNTY BUILDING DEPARTMENT LETTER OF AUTHORIZATION TO SIGN FOR PERMITS 135 NE Harmando Avo Suita P. 21 Laka City, EL. 22055

TOR: DENMARK
PERMIT

Bonded Through National Notary Assn

135 NE Hernando Ave, Suite B-21, Lake City, FL 32055 Phone: 386-758-1008 Fax: 386-758-2160

1, COILLIAM L. HARPER	(license holder name), licensed qualifier
for WIL HARPER CONSTRUCTION	(company name), do certify that
the below referenced person(s) listed on this force employee leasing arrangement; or, is an officer of Florida Statutes Chapter 468, and the said person control and is/are authorized to purchase permits	of the corporation; or, partner as defined in on(s) is/are under my direct supervision and
Printed Name of Person Authorized	Signature of Authorized Person
1. Bo ROYALS	1. Bo Rofe
2.	2.
3.	3.
4.	4.
5.	5.
I, the license holder, realize that I am responsible under my license and fully responsible for compl Local Ordinances. I understand that the State an authority to discipline a license holder for violatic officers, or employees and that I have full responsand ordinances inherent in the privilege granted If at any time the person(s) you have authorized must notify this department in writing of the chanter form, which will supersede all previous lists. Failurse your name and/or license number to obtain	iance with all Florida Statutes, Codes, and ad County Licensing Boards have the power and ans committed by him/her, his/her agents, asibility for compliance with all statutes, codes by issuance of such permits. is/are no longer employee(s), or officer(s), you ges and submit a new letter of authorization ure to do so may allow unauthorized persons to
License Holders Signature (Notarized)	RR282811402 12/30/2011 License Number Date
The above license holder, whose name is believed personally appeared before me and is known by	F: Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbia Columbi
NOTARY'S SIGNATURE	Notary Public - State of Florida My Comm. Expires Aug 21, 2015 Commission # EE 123888

HUGHES WELL DRILLING & PUMP SERVICE, LLC

12367 N US HWY 441 LAKE CITY, FLORIDA 32055

OFFICE: 386.752.1840 FAX: 386.755.2934

hugwell1840@aol.com

Columbia County Building and Zoning PO Box 1529 Lake City, FL. 32056-1529

Attn: Janis

Re: Randall S. Denmark 30-04-17 08912-003

- 1). 4" Deep well
- 2). 1-hp pump-18gpm
- 3). 81 Gallon Bladder tank eqv. To a 220 gallon galvanized tank
- 4). 11/4" pvc drop pipe

If you have any further questions, please feel free to phone me at the above number.

Sincerely,

Ronnie Hughes

METAL BLDG ERECTOR

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER	CONTRACTOR	PHONE
	THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT	*

In Columbia County one permit will cover all trades doing work at the permitted site. It is <u>REQUIRED</u> that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL		Signature Medieu 26
	License #: 6213013192	Phone #: 965-9005
MECHANICAL	Print Name Shattu Heat A	
A/C	License #: Din Shatto	Phone #: 496 - 8224
PLUMBING/	Print Name MAIL 13 AJ	JS Signature M B M
GAS	License #: CFCO 57219	Phone #: 386.752-8656
RODFING	Print Name	Signature
	License #:	Phone N:
SHEET METAL	Print Name	Signature
	License #:	Phone #:
FIRE SYSTEM/	Print Name	Signature
SPRINKLER	License#:	Phone #:
SOLAR	Print Name	Signature
The Anticonstitutes for the property of the state of the	License #:	Phone #:
Square Square	nor a traver Densiber Mile	and after their differences of a 400 miles of a final control
MASON		
CONCRETE FI	NISHER	
FRAMING		
INSULATION		
STUCCO		
DRYWALL		
PLASTER		
CABINET INST	ALLER	
PAINTING		
ACOUSTICAL	CEILING	
GLASS		
CERAMIC TILE		
FLOOR COVER	RING	
ALUM/VINYL	SIDING	
GARAGE DOO	R	

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

TOTAL P.02

		MOBILE HON	E INSTALLATION SUBCONT				
PPLICATION NUM	3ER	112-32	CONTRACTOR	BILL Hen	er_	PMONE,	
		THIS FORM M	UST BE SUBMITTED PRIOR	TO THE ISSUANCE OF	A PERMIT		ž
ecords of the s Indinance 89-6 xemption, gen	ubcontracto , a contracto e ral liability	or shall require insurance and	all trades doing work a y did the trade specific all subcontractors to p a valid Certificate of C responsible for the co	provide evidence of compatency license	of workers' co in Columbia a submitted i	mpensation County. to this office	or
ny changes, ti tart of that su	bcontractor	beginning on	work. Violations will	result in stop wor.		57.67	
ny changes, to tart of that su	Print Name_ License #:	beginning on	work. Violations will	Signature			
tart of that su	Print Name_ License #:	Timethy	Work. Violations will	Signature Pho		Shat	ĮD av
LECTRICAL	Print Name License 4:	Timothy CAC 05	Work. Violations will	Signature Pho	124: 110/11386-1	Shat	do au
LECTRICAL MECHANICAL ACC. 170 LUMBING/ GAS	Print Name License #: Print Name License #: Print Name License #:	Timothy CAC 05	Shatto 875	Signature Phone	ne #:	Shat	ĮD ay
LECTRICAL MECHANICAL	Print Name License #: Print Name License #: Print Name License #:	Timethy	Shatto 875	Signature Phoresignature Phoresignature Pho	ne #:	Shad	ID au

applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured applying for and receiving a building permit.

TOTAL P. 0

r aged

3864363062

Shatto

Dec 13 2011 3:39PM

THIS INSTRUMENT WAS PREPARED BY:

Recording Fee \$ 15.00
Documentary Stamp \$.70

TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32056-1329

RETURN TO:

TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328 Inst: Date:02/28/2005 Time:12:59
Doc_Stamp-Deed: 0.70
DC,P.Dewitt Cason,Columbia County B:1039 P:312

Grantee S.S. No.

Property Appraiser's Parcel Identification No.

WARRANTY DEED

THIS INDENTURE, made this 17th day of August, 2000, BETWEEN FRANK C. JONES and his wife, EMALINE JONES, whose post office address is Route 6, Box 411, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and RANDALL SCOTT 7015W Wester DR DENMARK, whose post office address is Route 2, Edg 3692, Lake (Florida 32024, of the County of Columbia, State of Florida, grantee*.

WITNESSETE: that said grantor, for and in consideration of LOVE AND AFFECTION and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said 1.

and will defend the se against the lawful cic. all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2005004559 Date:02/28/2005 Time:12:59 Doc Stamp-Beed: 0.70

___DC,P. Dewitt Cason,Columbia County B:1039 P:313

Signed, sealed and delivered in our presence:

(First Withess)
DeEtte F. Brown
Printed Name

(Second Witness)

Crystal L. Brunner Printed Name

STATE OF FLORIDA COUNTY OF COLUMBIA

My Commission Expires:

Notary Public Printed, typed, or stamped name:



EXHIBIT "A"

Inst:2005004559 Date:02/28/2005 Time:12:59 Doc Stamp-Deed: 0.70

DC,P.DeWitt Cason,Columbia County B: 1039 P:314

COMMENCE AT THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SECTION 31. TOWNSHIP 4 SOUTH. RANGE 17 EAST. COLUMBIA COUNTY. FLORIDA AND RUN THENCE S 3°52′53″ W ALONG THE EAST LINE OF SAID NORTHWEST 1/4. 64.36 FEET TO THE NORTH RIGHT-OF-WAY LINE OF KING ROAD: THENCE N 88°47′17″ W ALONG SAID NORTH RIGHT-OF-WAY LINE. 233.98 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 88°47′17″ W STILL ALONG SAID NORTH RIGHT-OF-WAY LINE. 215.44 FEET; THENCE N 1°24′56″ W. 433.84 FEET; THENCE S 88°28′47″ E. 227.93 FEET; THENCE S 0°14′05″ W. 366.92 FEET TO THE SOUTH LINE OF SECTION 30. TOWNSHIP 4 SOUTH. RANGE 17 EAST; THENCE S 0°12′32″ W. 65.30 FEET TO THE POINT OF BEGINNING. CONTAINING 2.20 ACRES. MORE OR LESS. SAID LANDS BEING IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 31 AND THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 30. ALL IN TOWNSHIP 4 SOUTH. RANGE 17 EAST.



Appraiser

DB Last Updated: 11/15/2011

Parcel: 30-4S-17-08912-003

Next Lower Parcel | Next Higher Parcel >> |

Owner & Property Info

DENMARK RANDALL SCOTT				
701 SW WESTER DRIVE LAKE CITY, FL 32024				
WESTER DRIVE				
VACANT (0000	VACANT (000000)			
2 (County)	Neighborhood	30417		
2.200 ACRES Market Area 06				
NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.				
	701 SW WEST LAKE CITY, FL WESTER DRIV VACANT (0000 2 (County) 2.200 ACRES NOTE: This des	701 SW WESTER DRIVE LAKE CITY, FL 32024 WESTER DRIVE VACANT (000000) 2 (County) Neighborhood 2.200 ACRES Market Area NOTE: This description is not to be used a		

RD, RUN W 233.98 FT TO POB, CONT W 215.44 FT, N 433.84 FT, E 227.93 FT, S 366.92 FT TO S LINE SEC 30, CONT S 65.30 FT TO POB. (SMALL PORTION LYING IN SEC 31 TWP 4S, RGE 17E). ORB 1039-312

2011 Tax Year

Property Card Tax Estimator

Parcel List Generator Interactive GIS Map Print

<< Prev Search Result: 4 of 4



Property & Assessment Values

2011 Certified Values		
Mkt Land Value	cnt: (0)	\$19,045.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$19,045.00
Just Value		\$19,045.00
Class Value		\$0.00
Assessed Value		\$19,045.00
Exempt Value		\$0.00
Total Taxable Value		Cnty: \$19,045 Other: \$19,045 Schl: \$19,045

2012 Working Values

Tax Collector

NOTE:

2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
8/17/2000	1039/312	WD	V	U	01	\$100.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	2.2 AC	1.00/1.00/1.00/1.00	\$7,791.19	\$17,140.00

http://g2.columbia.floridapa.com/GIS/D_SearchResults.asp

12/14/2011

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787 PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED:

9/28/2011

DATE ISSUED:

9/28/2011

ENHANCED 9-1-1 ADDRESS:

759

SW WESTER

DR

LAKE CITY

FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

30-4S-17-08912-003

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

Address Issued By: SIGNED: / RONAL N CROFT

Columbia County 9-1-1 Addressing / GIS Department

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

DRIVE WA

Notes:

378

:386 758-2187

STATE OF FLORIDA DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT Permit Application Number ---- PART II - SITEPLAN -----Scale: 1 inch = 40 feet. SHED WESTER

ARE

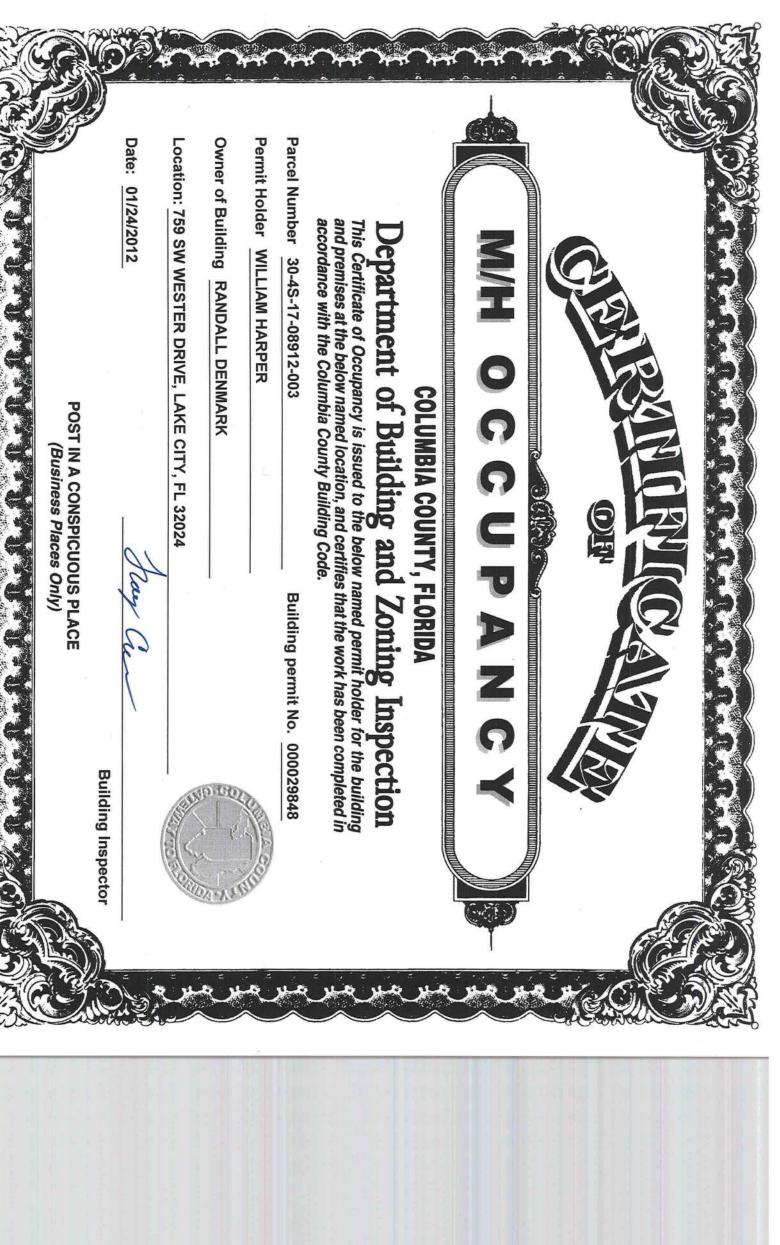
Columbia Site Plan submitted by: MASTER CONTRACTOR Plan Approved Date_12-14-11 Not Approved County Health Department

M42>>3

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH PARTMENT

DH 4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC (Stock Number: 5744-002-4015-5)

Page 2 of 4



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

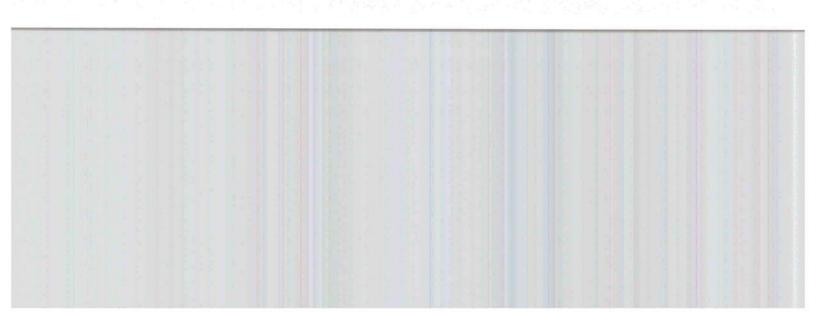
City, State, Zip: Owner:	Lake City, FL,		Permit Number:	
Design Location:	FL, Jacksonville		Jurisdiction:	
1. New construction of	or existing	New (From Plans)	9. Wall Types	Insulation Area
2. Single family or mu	Illiple family	Single-family	a. Frame - Wood, Exterior	R=19.0 1785.00 ft²
3. Number of units, if	multiple family	1	b. N/A c. N/A	R= ft²
4. Number of Bedroom	ms	3	d. N/A	R= ft²
5. Is this a worst case	?	No	10. Ceiling Types	Insulation Area
6. Conditioned floor a	rea (ft²)	1928	a. Under Attic (Vented)	R=35.0 1928.00 ft²
7. Windows	Description	Area	b. N/A	R= ft ^z
a. U-Factor:	Dbl, U=0.37	233.67 ft²	c. N/A	R= ft²
SHGC:	SHGC=0.28		11. Ducts	
b. U-Factor: SHGC:	N/A	ft ²	a. Sup: Interior Ret: Interior AH: I	Interior Sup. R= 6, 140 ft²
c. U-Factor:	N/A	ft²	12. Cooling systems	
SHGC:			a. Central Unit	Cap: 20 kBtu/hr
d. U-Factor:	N/A	ft²	13. Heating systems	SEER: 13
SHGC: e. U-Factor:	11/4		a. Electric Heat Pump	Cap: 20 kBtu/hr
SHGC:	N/A	\mathfrak{fl}^2		HSPF: 7.7
8. Floor Types		Inculation Asset	14. Hot water systems	
a. Crawlspace		Insulation Area R=0.0 1928.00 ft ²	a, Electric	Cap: 40 gallons
b. N/A		R= fl ²	h 0	EF: 0.97
c. N/A		R= ft ²	b. Conservation features None	
But & a schol			15. Credits	None
Glass/Floor Area:	Λ 101	Total As-Built Modi	fied Loads: 35.12	
Oless/Floor Alea.	0.121	Total Base	line Loads: 54.55	PASS
with the Florida Energ	compliance with the second sec	he Florida Energy	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:	COD WE TRUST

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Page 1 of 5

for E COP Code



	FRICIPIE CETT	MUNICIPAL PROPERTY AND THE PARTY AND THE PAR	BIANGGING ANGRELL INCOMES INCOMES TO		Character and the same	PROJE	CT							
Owner # of Un Builde Permit Jurisdi Family	nits: r Name t Office: iction: r Type: ixisting:	1 : Single-fa			Bedrooms: Bethrooms: Conditioned Total Stories Worst Case Rotate Angli Cross Ventil Whole Hous	s: : e: ation:	3 0 1928 1 No 0	1002 1002	ann a maillean a dhraigh a	Adress Lot # SubDivi PlatBoo Strest: County: City, Sta	sion; k:	Street Colum Lake C		in der automorphism (v. v. v
Control of the Control	PRINCE COME YOU	TO THE STREET STREET		THE STREET, ST		CLIMA	TE				онираваларануе	CHANGE THE OCCUPANCE		
V	Des	sign Location		TMY Site	IECC Zone		esign 7 .5 %	emp 2.5 %		ign Temp Summer	Heati Degree		esign oisture	Daily Tem Range
Berner de	FL,	Jacksonville	FL_JAC	KSONVILLE_	NT 2	3	32	93	75	70	128	l de la companya de	49	Mediun
						FLOOR	RS			THE RESERVE AND ADDRESS OF	MA L'OTHER GROUVE	NAS-MIRITERATAMENT	Salari Arcabatea	A CHARLES BARRET
V	#	Floor Type		Exposed	l Perimeter	Wall Ir	ns. R-V	/alue	Area	Floor Jois!	R-Value	Tile	Mass	Carpet
	1	Crawlspace			1 ft		0		1928 ft²	19		0	0	Carpet 1
			CHI (HI A (MATA A A MATA A MATA A A A A A A A A A			ROOF	F			именанарну дих иноски				PT-RESERVE AND AND ADDRESS.
V	#	Туре	M	aterials	Roof Area	Gable Area		Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch	Combac was a super	Manus mercini
	1	Gable or sh	ed Compos	ition shingles	2156 ft²	482 ft²	fv	ledium	0.96	No	0	26.6 de	9	
THE OWNER WAS AND			The state of the s	MATERIO STRAIN CONTRACTOR DE MANA		ATTIC	2	AND DESCRIPTION OF THE PERSON			THE BUILDING	THE REPORT OF THE PARTY OF	PROBLEM THE	NAMES OF STREET, STREE
$\sqrt{}$	#	Туре		Ventilation	V	ent Ratio	(1 in)	Δ	rea	RBS	IRCC	to Commence and the second	CONTRACTOR MANAGEMENT	interprinted and the control of the
<u> </u>	1-	Full attic		Vented		300		192	28 ft²	N	N			
****	THE ROOM STOCKED AND		Name of the state			CEILIN	G			COMPONENTIAL STREET, AND	THE PERSON NAMED IN COLUMN		A MANAGEMENT ACCORD	THE PERSON NAMED IN COLUMN
7	#	Ceiling Ty	ре			alue	MANAGE STATE	Area		Framing	Frac	т.	russ Typ	10
	1	Under Atti	c (Vented)		3	***************************************		1928 ft		0.11			Wood	
etilalisania			***************************************			WALLS	S			NAMES OF TAXABLE PARTY.	NT PRODUCTION AND ADDRESS.		Maria e sometano	NIA SUPPLIES NAMES ASSESSED.
/	#	Ornt	Adjacent To	Wall Type			Name (Cavity R-Value	e Are	Sheat a R-Va	hing lue	Framing Fraction	S	Solar bsor.
-	1	N	Exterior	Frame - Wo	od	4.7		19	622.5			0.23		0.75
	2	S	Exterior	Frame - Wo	od	H31-3		19	622.5			0.23		0.75
	3	E	Exterior	Frame - Wo	od			19	270 f			0.23).75
	4	W								100		A		

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CSTRAME DATE MILITARY	ON THE STATE OF	WAC IN THE REAL PROPERTY.	None or				D	OORS					m 1.8.	
V	#	-	Ornt	Door	Гуре	COMMUNICACIONES INSPECTIONS	THE REST OF THE PARTY OF THE PA	APROP SOUNDS NO.	Storr	TE SALVESTANDO	William Control of the	l-Value	CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE	OCTOR INDOORS NOT A
	. 1		W	Insula	led				Non	- initialization		0.46	Area	
	. 2		N	insula	ed				Non	W. I		0.46	20 ft ² 20 ft ²	
OF PERSONAL PROPERTY.	Mary Transport Control	COMPANY OF THE PARTY OF	NO COLUMN	NUTS AND AREA	HOME VIEW	THOMAS OF THE PARTY OF THE PARTY.	V/II	NDOWS	Destrongenierische C	AUTODOVE AVERAGES	APPENDING SECURITY SECURITY	- THE PARTY SHOWN SHOWN SHOWN STREET		
AC AND PARTY AND ADDRESS OF	NAMES OF TAXABLE PARTY.	Wind	low ories	ntation below	is as	entered. A	ctual orientation	n is modi	fied by rot	ate angle	shown in	"Project" secti	on above	
V	#	Ornt							and a simple street	MILE MINISTER CONTU		rhang	Mary Property of the State of t	Manual Control
	1	N	Frame	Panes		NFRC	U-Factor	SHGC	Storms	Area	Depth	Separation	Int Shade	Screeni
	2	S	Vinyl	Low-E Dou		Yes	0.37	0.28	N	62 ft ²	1 ft 0 in	0 ft 0 in	HERS 2006	None
100	3		Vinyl	Low-E Dou		Yes	0.37	0.28	N	93 ft ²	1 ft 0 in	0 ft 0 in	HERS 2006	None
		S	Vinyl	Low-E Dou		Yes	0.37	0.28	N	8.33 ft²	1 ft 0 in	0 ft 0 in	HERS 2006	None
	4	E	Vinyl	Low-E Dou		Yes	0.37	0.28	N	8.33 ft²	1 ft 0 in	0 ft 0 in	HERS 2006	None
Entre Contract	5	W	Vinyl	Low-E Dou	ole	Yes	0.37	0.28	N	62 ft²	1 ft 0 in	0 ft 0 in	HERS 2006	None
Otherconcu					A.W	11	NFILTRATI	ON & V	ENTING				THE SECTION AND ADDRESS.	CONTROL DESCRIPTION OF THE PERSON OF THE PER
V	Method			SL	Δ	CFM 50	ACILEO					Ventilation —		Fan
	Default			0.000		1821	ACH 50	ELA	EqLA			Exhaust CFM	Fraction	Watts
Marie annual de			-	0.00	000	1021	6.30	99.9	188.0	0	cfm	0 cfm	0	0
a sayana				Name of the Property of the Party of the Par			COOLIN	G SYST	EM					MARINE SANCES CONTRACTOR
V	#	Syster	n Type			Subtype		E	fficiency	C	apacity	Air Flow	SHR	Ductless
BANGA STATE	1	Centra	I Unit		1-3	None		8	EER: 13		kBtu/hr	600 cfm	0.75	False
			w.J.,	dele.			HEATING	SYST	EM	A Surface of State Later States				-
V	#	Systen	1 Туре		S = ox various	Subtype	OPPOSITE THE PROPERTY OF	F	fficiency			C	TO THE PERSON AND THE	
	1	Electric	Heat P	ump		None	1648		SPF: 7.7		apacity kBtu/hr	Ductless False		
ATTENDED TO THE PERSON OF	NEW PLANSACION	- Contracting			NEW YORK		HOT WATE	ED SVS	TERA	esemble this work across		COLUMN TO THE PARTY OF THE PART		
7	#	Syste	m Type	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			EF				THE RESIDENCE OF THE PERSON NAMED IN			CONTRACTOR OF STREET
	1	Elect	The second second second			18-39	0.97	Cap 40 gal		Jse gal	SetPnt 120 deg		Conservation	
ATTA ADMINISTRATION OF THE		THE RESIDENCE	AT THE WORLD			SOL	AR HOT W	NO THE PERSON NAMED IN COLUMN 1			120 deg	CHECKS THE STATE STATE STATE	None	
1	FSEC				TO STATE OF THE ST			ALLIX C	TOTEN		CAN MICHIGAN SHAPE	148,761,1810		
E A	Cert #	Cor	npany N	lame			System Mode	el#	Colle	ctor Mode	Carrier and the second		torage olume FE	ĒF.
	None	Non	ie								010000000000000000000000000000000000000	ff°		
		16.3. Z.				in the latest	DUC	CTS	THE STATE OF STREET	-				
The second lines	-		Sup		OF STREET		O CONTRACTO MANAGEMENT CONTRACTOR IN			Marie and the second				
1	#	Locat		pry -Value Area		Return	m			Air		Perce	nt	

Section and Dr. Alberta	National Parkets and Parkets					TEM	PERATU	RES						
Program	able Thermo	ostat: None	ANNUAL STABLES NOT YELL	Maril - III 760 pe Con C		Ceiling Fan	S:	CONTRACTOR OF STREET		ACOUNTY TO CALL O	SAME OF SPICE OF	CONTRACTOR PROPERTY	West and the second	Mark of the State of the
Cooling Heating Venting	X Jan X Jan X Jan	X Feb X Feb X Feb	X Mar X Mar X Mar	XXX	/br /br	X May X May X May	X Jun X Jun X Jun X Jun	X Jul	X Aug X Aug X Aug	XXX	ep ep	XXX Oct XX Oct	X Nov X Nov X Nov	X Dec
Thermostar Schedule T	Schedule: ype	HERS 200	8 Reference	e 2	3	4	5	Hot 6	urs 7	8	9	10	11	12
Cooling (W	D)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Cooling (W	EH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (W	D)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68
leating (Wi	EH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68

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Code Compliance Cheklist
Residential Whole Building Performance Method A - Details

ADDRESS:	是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就
Lake City, FL,	PERMIT #:
The state of the s	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	OLD THE REAL PROPERTY.
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	CHECK
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	With Company of the Land C
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	CHECK
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
nsulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

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ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 64

The lower the EnergyPerformance Index, the more efficient the home.

 New construction 	or existing	New (From Plans)	9. Wall Types		
2. Single family or m	nultiple family	Single-family	a. Frame - Wood, Exterior	Insulation R=19.0 17	Area
3. Number of units, i	if multiple family	1	b. N/A	R=19.0 17	785.00 ft² ft²
4. Number of Bedroo	oms	3	c. N/A	R=	ft ²
5. Is this a worst cas	e?	No	d. N/A	R=	ft²
6. Conditioned floor	area (ft²)	1928	Celling Types a. Under Attic (Vented)	Insulation R=35.0 19	Area 28.00 ft ²
7. Windows** a. U-Factor:	Description Dbl. U=0.37	Area 233.67 ft²	b. N/A c. N/A	R= R=	ft²
SHGC: b. U-Factor:	SHGC=0.28 N/A	ft²	 Ducts Sup: Interior Ret: Interior AH: I 	nterior Sup. R= 6. 1	
SHGC: c. U-Factor: SHGC:	N/A	ft²	12. Cooling systems a. Central Unit	Cap: 20	
d. U-Factor: SHGC:	N/A	ft²	13. Heating systems		EER: 13
e. U-Factor: SHGC:	N/A	ft²	a. Electric Heat Pump	Cap: 20	kBtu/hr SPF: 7.7
Floor Types a. Crawlspace b. N/A c. N/A		Insulation Area R=0.0 1928.00 ft² R= ft² R= ft²	Hot water systems a. Electric b. Conservation features None	Cap: 40	
			15. Credits		None

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:

ghirles in

Date:

Address of New Home

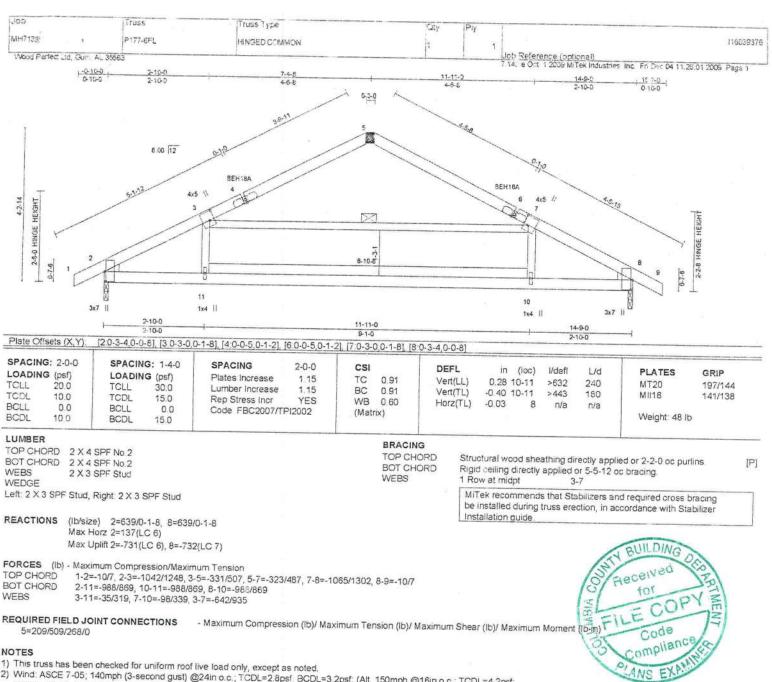
City/FL Zip:



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

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NOTES

This truss has been checked for uniform roof live load only, except as noted.
 Wind: ASCE 7-05; 140mph (3-second gust) @24in o.c.; TCDL=2.8psf, BCDL=3.2psf; (Alt. 150mph @16in o.c.; TCDL=4.2psf; BCDL=4.8psf); h=30ft, Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 All plates are MT20 plates unless otherwise indicated.
 See REH18 DETAILS for plate placement.

4) See BEH18 DETAILS for plate placement.
5) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
6) All additional member connections shall be provided by others for forces as indicated.
7) Plates checked for a place of the provided by others for forces as indicated.

7) Plates checked for a plus or minus 0 degree rotation about its center.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2, 8.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 731 lb uplift at joint 2 and 732 lb uplift at joint 8.

This truss meets HUD WIND ZONE II (-39 psf main body, -51 psf overhang and 6 psf dead load) @ 24"oc.

12) This truss meets HUD WIND ZONE III (-47 psf main body, -62 psf overhang and 6 psf dead load) @ 16"oc

NO 60642

NO 60642

**
O FATE GE

FL Cert. #6634

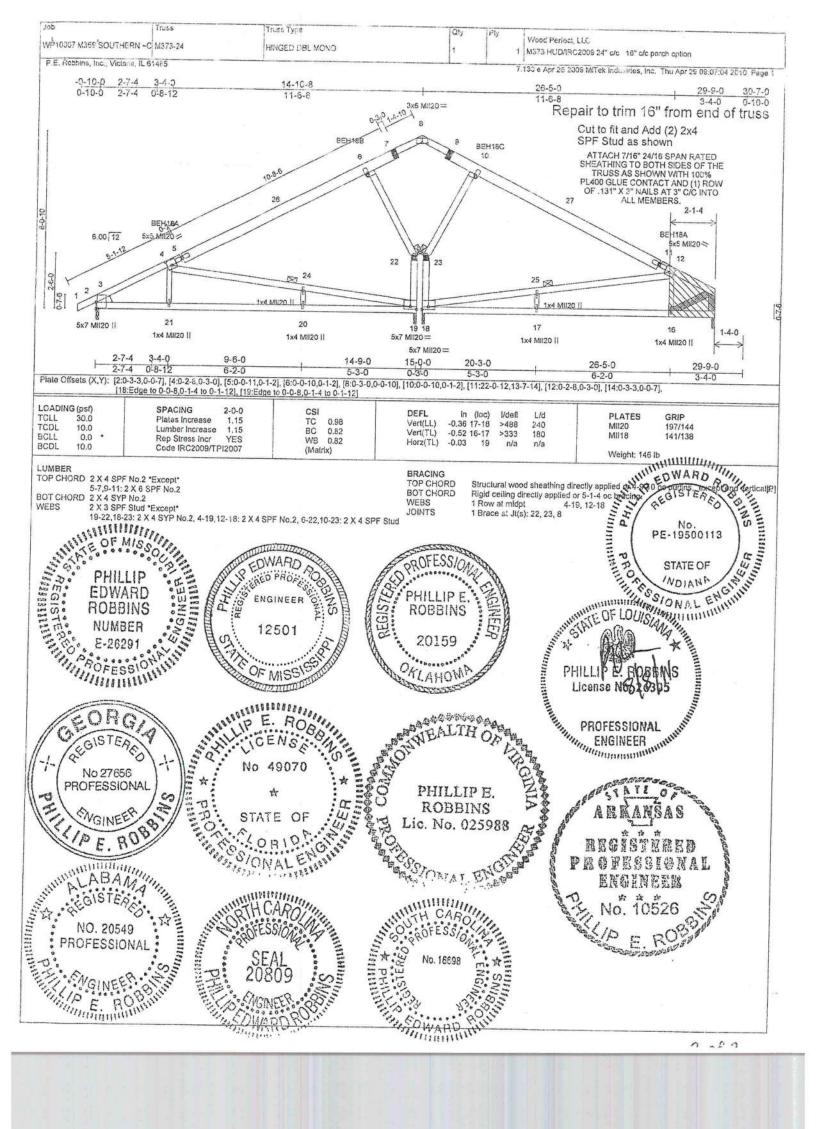
December 4,2009

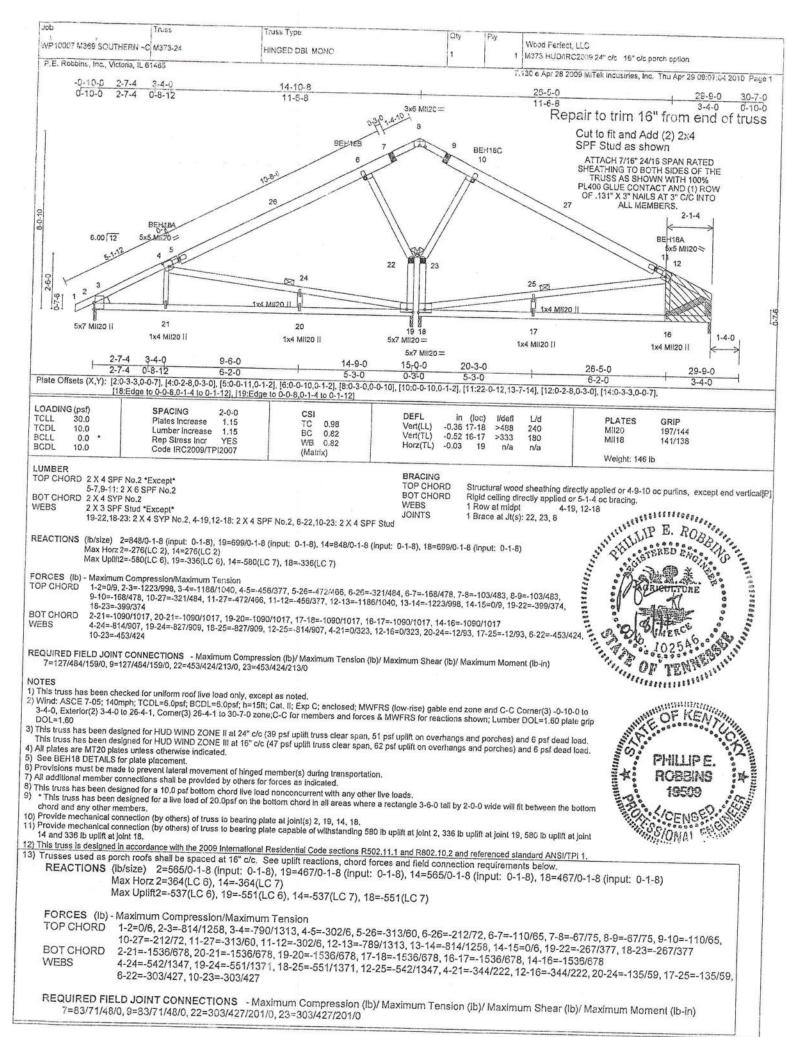
Design valid for use only with MTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not trust designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the exponsibility of the building designer. For general guidance regarding fabrication, quality control storage, delivery, erection and bracking, consult.

ANSI/TPT Quality Criteria, DSS-87 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.



14515 N. Outer Forty. Suite #300 Chesterfield, MO 63017





		GROUND	GROUND SNOW I DAD (DSE	ND (DeE)
BEAM CONFIGURATION	20. PSF	30. PSF	40. PSF	50. PSF
(1) 1.5x5.5 LAM beam (see chart) LAM	8 ft 3 in	7ft2in	6ft 6 in	6 ft 0 in
(1) 1.5x7.25 LAM beam (see chart) LAM	10 ft 7 in	9 ft 4 in	8 ft 7 in	8 ft 0 in
(1) 1.5x9.25 LAM beam (see chart) LAM	13 ft 3 in	11 ft 8 in	10 ft 9 in	9 ft 8 in
(1) 1.5x12 LAM beam (see chart) LAM	16 ft 9 in	14 ft 9 in	13 ft 7 in	12 ft 3 in
(1) 1.5x16 LAM beam (see chart) LAM	21 ft 11 in	19 ft 4 in	17 ft 10 in	16 ft 1 in
(1) 1.5x20 LAM beam (see chart) LAM	27 ft 0 in	23 ft 10 in	21 ft 11 in	19 ft 9 in
1) 1.5x24 LAM beam (see chart) LAM	32 ft 1 in	28 ft 3 in	26 ft 0 in	23 ft 5 in
(1) 2×6 #3 SPF	3 ft 8 in	3 ft 3 in	3ft2in	2 ft 8 in
(1) 2 x 8 #3 SPF	4 ft 8 in	4 ft 2 in	4ft 0 in	3ft 5 in
(1) 2×10 #3 SPF	5 ft 9 in	5 ft 1 in	4 ft 11 in	4ft 2 in
(1) 2×12 #3 SPF	6 ft 8 in	5 ft 11 in	5 ft 8 in	4 ft 11 in
(1) 2×6 #2 SPF	4 ft 11 in	4 ft 4 in	4ft2in	3 ft 7 in
(1) 2×8 #2 SPF	6 ft 3 in	5 ft 6 in	5 ft 4 in	4ft7in
(1) 2 x 10 #2 SPF	7 ft 8 in	6 ft 9 in	6 ft 6 in	5 ft 7 in
(1) 2×12 #2 SPF	8 ft 10 in	7 ft 10 in	7 ft 7 in	6ft 6 in

APPROVED LAM BEAMS- WHEN USING GRADE LAM BEAM (SEE CHART) 2.0 MasterPlank

Murphy 2.0E 3100 Fb LVL 2.0e Microllam LVL



GENERAL NOTES:

- 180" MAX UNIT.
- 2 WIND SPEED: 130 MPH MAX.
- 3 MIN. DEPTH AT CRITCAL SECTION IS MEASURED AT INSIDE FACE OF EXTERIOR WALL
- 4 THIS DETAIL IS APPLICABLE TO ONLY LVL BEAMS WITH AN FV=135 PSI OR BETTER.
- 6 SEE COLUMN DESIGNS FOR MINIMUM BEARING LENGTH OR BEAM STIFFENER REQUIREMENTS.
- 7 (F): INDICATES THAT BEAM MEMBERS ARE LAYED FLAT, OTHER-WISE ALL BEAMS ARE ON EDGE.
- 8 DESIGN IN ACCORDANCE WITH THE IRC (2006)
- EQUALLY DIVIDED BETWEEN BEAMS.

MAXIMUM LIVE AND DEAD LOADS:

BOTTOM CHORD LIVE LOAD: 10 PSF

1 STORY- W.O ATTIC

RIDGE BEAM SPAN CHART

Date: 01/19/10 Drawn by: jww

Ver. 6.1

APPROVAL #:

RC-60.3.R.K.K 20-2

(1) 1.5x24 LAM beam (see chart) LAM (1) 1.5x20 LAM beam (see chart) LAM 1) 1.5x16 LAM beam (see chart) LAM 1) 1.5x12 LAM beam (see chart) LAM 1) 1.5x9.25 LAM beam (see chart) LAM

13.22" 11.18"

14.71" 12.44"

16.37"

17.13" 14.49" 11.8"

13.84" 11.27"

9.1"

10.12" 7.77"

8.65"

9.06" 7.18" (1) 1.5x5.5 LAM beam (see chart) LAM

1) 1.5x7.25 LAM beam (see chart) LAM

(MEMBER QTY) FULL BEAM DEPTH 20. PSF 30. PSF 40. PSF 50. PSF

3.45"

5.52" 6.98"

6.15"

6.85"

4.44"

4.94" 3.82"

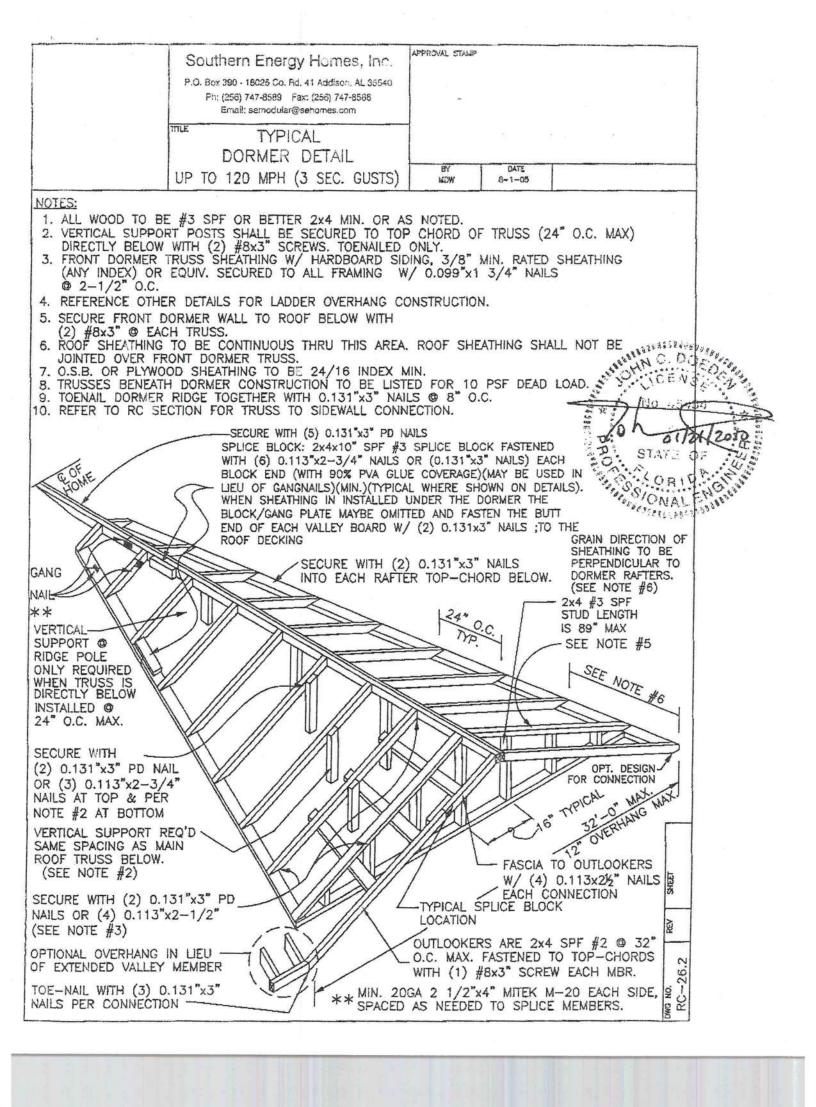
5.52" 4.19"

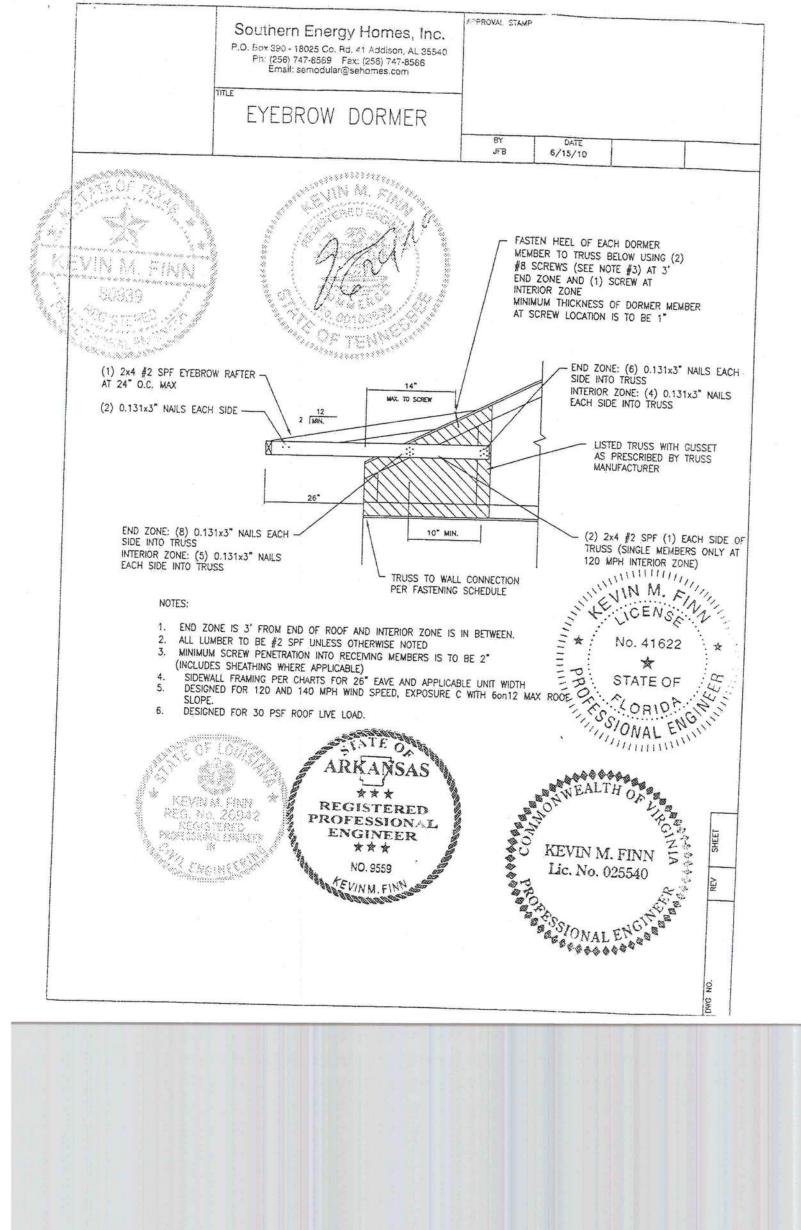
5.99" 4.51" MINIMUM RIDGEBEAM DEPTH AT CRITICAL SECTION OF TAPERED RIDGEBEAM

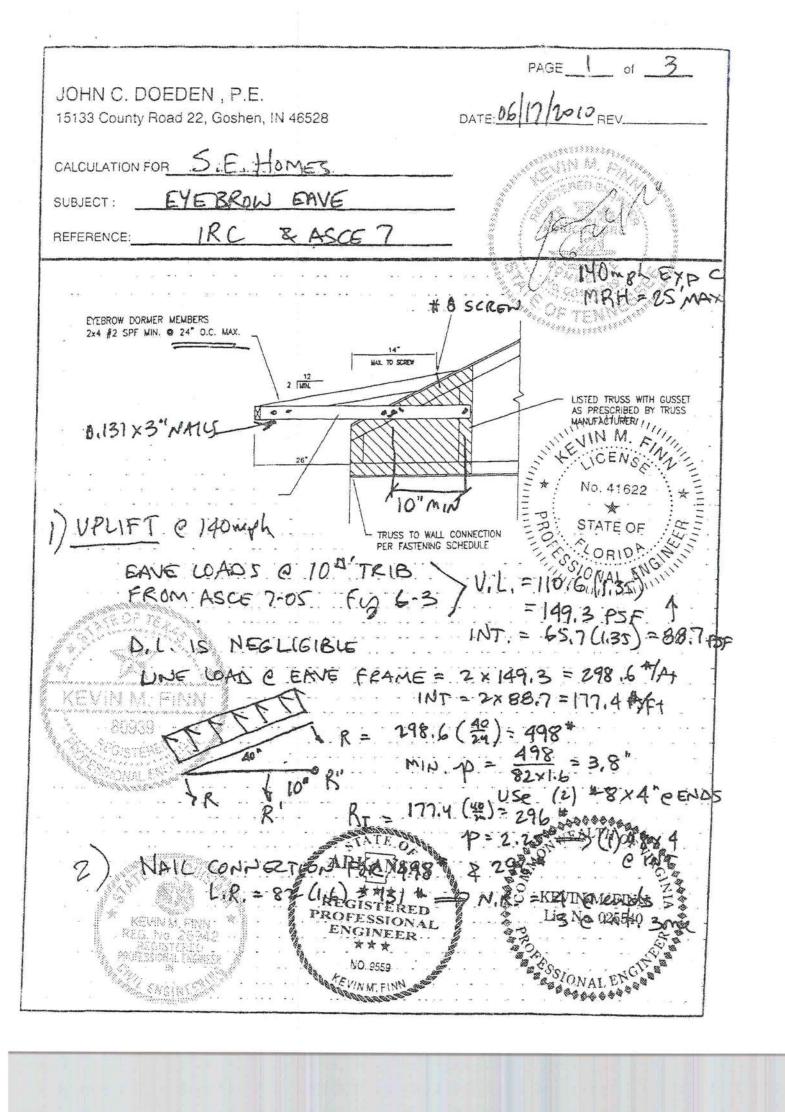
5 RIDGE BEAM MUST BE IN FULL WOOD TO WOOD CONTACT WITH TOP PLATE FOR SPECIFIED BEARING LENGTH.

9 DOUBLE BEAMS MAY BE STACKED VERSES DOUBLE PLY IF MEMBERS ARE SAME SIZE AND MATERIAL AND REQUIRED FASTENERS ARE

calc. ref. CRC-60.3.R.K.K_.20-2.20 FLOOR LIVE LOAD: 0 PSF BEAMS SUPPORT SECOND FLOOR LIVING AREA BOTTOM CHORD DEAD: 8 PSF TOP CHORD DEAD: 7 PSF **CMH Engineering**

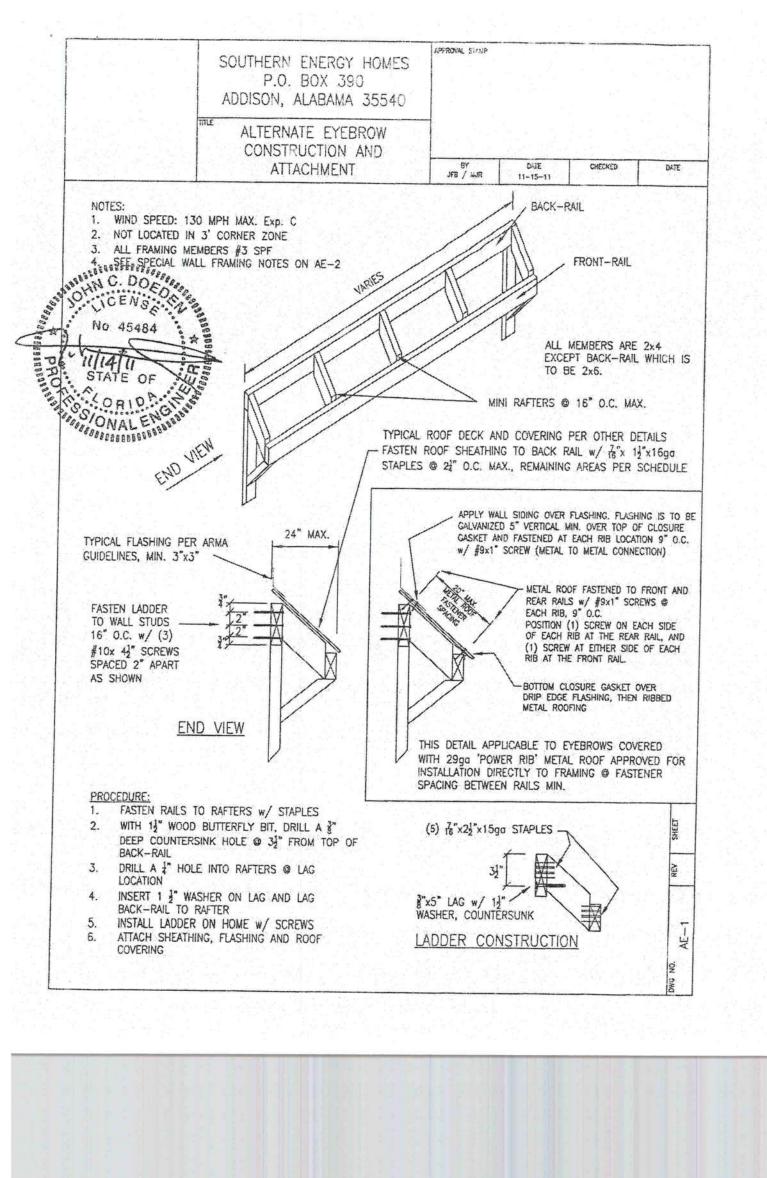


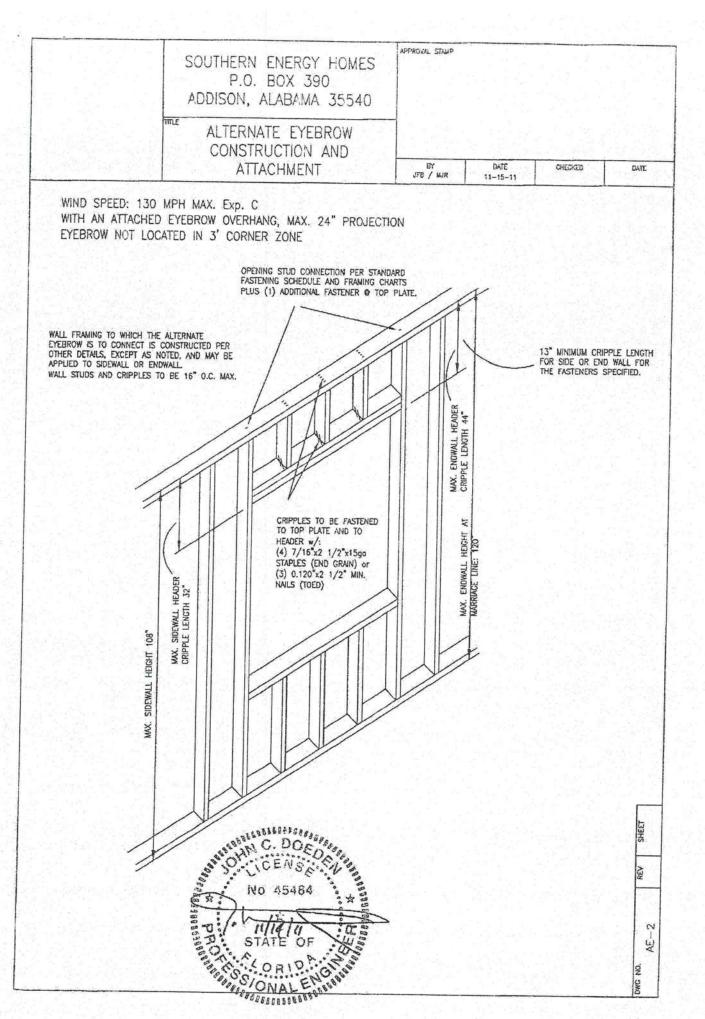


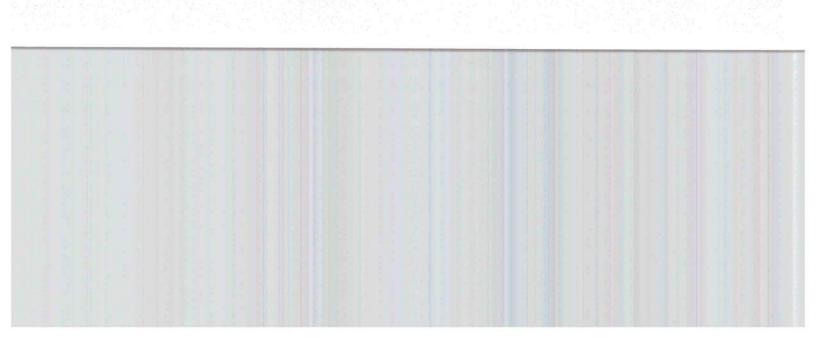


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JOHN C DOEDEN DE	PAGE 2 of 3
JOHN C. DOEDEN , P.E. 15133 County Road 22, Goshen, IN 46528	DATE: 06/17/2010 REV
	DATE. SOTT FOR REV
CALCULATION FOR S.E. HOMES	- Children Colon
SUBJECT: E1EBROW	
REFERENCE: TRC 3ASCE 7	- 1450M
3) LOTO e R' = 498 (40)/10	
No. NAILS → 1992	= 15.2 => 16
CEND ZONE >	USE (2) 2x4 Horez
4) HORY 2X4 STORS F31 = 9	USE (2) 2x4 HORZ W/(8) MAILS EACH SUDE
- BENDING M = PO	= 30"(498)=14,94011.3
(2) No.25-P.F=	2 /2 Sx = 875(1.5)(1.6)(1.15)(2×3.06)
- SHEAR -> 498,	
f 2	2 = 244 9
-0 Fe $\lambda = \rho_0$	5 = 71 ps; < 135(1.6) 12 (l+a) × 0.7 per IRC
	EI PROLICE
· · · · · · · · · · · · · · · · · · ·	49 (30) (40) =0.279"
	3 (1.4 × 106) (5.36) = 29/
	ALLOW = 20/180> 20/215
5) CONNECTION @ PIVOT	(0)
100000000 88	POND => 12 NAILS
TATE OF STREAM OF STREAM	- ALLS
ARKANSAS KEVIN M. FINN	STE ICENSON
REGISTERED Lic. No. 025540	* No. 41622 *
ENGINEER	STATE OF SE
NO.9559 SOUND FINN SOUND TO SOUND THE SOUND	
M. A.W. Electrical States of the States of t	ORIO POLITICIONI
	The second secon

The state of the s	TREATING AND AND THE REAL PROPERTY AND		and the state of t
JOHN C DO	DEDEN , P.E.		PAGE 3 of 3
	Road 22, Goshen, IN 46528	DATE: 06/	17/2013 REV_
CALCULATION FO	OR S.E. Homes		STEEL STATE
SUBJECT:			
REFERENCE:			1600
6) 5	INGLE RAFTER MEN	MBER	
	- BENDING M=	W/2 298.4/12	(40)2 4973 in #
	No.25-P-F 2	4-E.S. = 875(1,	5)(1.6)(1.15)(3.06)
	-Steam r 200	= 739	oin. + 62
KEVIN M. FINI	$ty = \frac{21}{2}$		PST < 135(1.6)@
Nasvorez z	- DEFL. D = SU	$\frac{1}{2} = \frac{5(24.9)}{384(1.4)}$	(0,7) (40)4 = 0,077"
	70(6	384(1.4	
7).122	mph W/ SINGLE 1	DIZZ MEMB	= l/517
	INT. ZONE -> S -BEHDING M	$=\frac{1}{14^2}=0.73$	5
***************************************		= 875(1.5)(1.6)()=6524 In-#
	-SHEAR		(P)
ARKA	3CAC OTWEALTH	OFT	MILE MILE
REGIST	\$ 5	FINN 5	No. 41622
PROFESSI	ONAL Lic. No. 02		STATE OF
NO: 955	9	ENGINE	COBION CO
September 1	INN SOMAL		TONAL ENGINE
			*
		The state of the s	







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JOHN C. DOEDEN , P.E.	PAGE L of 6
15133 County Road 22, Goshen, IN 46528	DATE: 11/14/2/11 REV
CALCULATION FOR S.E. HOMES	- CINDENSITE
SUBJECT: EYEBROW WEXPOSED RAF	JOHN C. DOGDEN, P.E. FL LIC. NO. 35488TATE OF
130 mgh Exp C MRH = 30' [NOT IN CORNER ZONE	TABLE FIX 6-33 ONALEN THE TABLE FIX 6-33 ONALEN THE
#10 x42" SCREWS INTO WALL STUDS @ 16" o Le (3 ENS)	79.4 BF 4 BF 8.4 RESISTING
18X5" STAPLES COUNTERSURY COUN	3/8"MIN RATED ASSUME SHEATHING FASTENED TO BAM
2×6 No.35-PF	PER SCHEDULE ELSEWHERE)
BACK RAIL 2X4 No.35-P-F	#22 = (79.4)(1.33)
RAFTERS C16"	0(c =8,82*(1N
MOMENT IN FRAME	GRANTY (20+8) (1.33)
$M = \frac{34}{2} = \frac{8.82(24)^{2}}{2} = 254$ $2\times 4 + 5S_{3} = 500(1.5)(1.6)(1.6)$	0 in -4 15)(3.06) = 422312-4
-5HEAR = Wa = 8.82(24) = fv = 212 =605 A	212 to (16) 60
-DEFL N = Wa4 = 8.82(20 8 = 1 = 8(1.2+104)4 = 0.057'=> 2a/ (9.36) (844

PAGE 2 of 6
JOHN C. DOEDEN , P.E.
11 73 /1 /
15133 County Road 22, Goshen, IN 46528 DATE(11/14/211 REV
CALCULATION FOR S.E. HOMES SCOOL OF
300 1 h
SUBJECT: EYEBROW STONE WITHIN
REFERENCE: No 4948-1 JOHN C. DOEDEN, P.E.
REFERENCE: FELIC. NO. 45484
2 6 1 6 LIC. NO. 40484
D' STATE DE SUS
S. C. S.
2) CANALET TION C
J) CONNECTORS
1
BACK RAIL TO RAFTER W/ 3/16 x 2/2 x 156A.
- SHEAR = 227* LR = 15 0(2)/11
511. 45.0(13)(16)
= 48 *
N.R.=212/10 = 44
140 = 1
- MOMENT UPLIFT => 5ay S
3/2"
MINIP
R = 254.01n = 70/1
3.5 - 140*
2/ / 20 \ / \ / \ /
3/8 X5" LAG (E-E = 22/32") W/N = 2.78 (235) (1.6) (0.7)
= 184 - []
GRAVITY > 0 311 (21)21 (M) E.G.
GRAVITY -> R = 3.11(24)2/2
3 = 256
373
SHEATHING FASTENING W/ 7/16 X16 GA. STAPLES
L.R. = 32 Shus = 37.7*
2001
SPACING = 37.7(12)
256/133
Abrilas
- RACH SOLL TO COLOR CENTRAL
- BACK RAK TO WAK STUDS RAIL
W/ #10 x5" SCROWS ⇒ W/O = 45x3.35 × 1.6
10=3.33" = 507 +
A. I.
MIN. DISTANCE BETWEEN ROWS = 2"

The second secon	PAGE 3 of 6
JOHN C. DOEDEN , P.E	
15133 County Road 22, Gosher	1.11.
	10 0 100 1200
CALCULATION FOR	STICENS N'S
SUBJECT:	No 45484
REFERENCE:	JOHN C. DOEDEN, P.E.
DATE THAT IS A STATE OF THE PROPERTY OF THE PR	STATE OF SEFL LIC. NO. 45484
	CRIP. O.
1 4	CNALE 6.46
18 3.0.75	1 (4.75 + 2.75 + 0.75)
1275°	MR = 30() 4.75
4.75	= 3275 In + > 2540 (D)
	M_{1N} , $p = \frac{2540}{(95 \times 1.6)}(6,46) = 2.64$
······································	(13 x(.6)(6,46)
***************************************	11 -#10 x 4 5 " SCREW 6
_ SHEAR > 1	LiR = 99(1.6)=158# 1:43 Rol
······································	2 2016 (2)
	22007 (000
- LAG SCREW	WASHER FOR 726" LOAD
A	Real 726 = 1.7[1111
	NN DIA = 1 = 1 / 1 / 2/2 = 1 = 2
	NIN. DIA = 11.71(4)/70 +(3/8) = 1.52
7	5ey 1/2"01A.
4) WALL FRAMING	P. WINDOW OPENINGS WEYEBROW ABOVE
A PATOP PE	MINNOWS (MILL)
	WINDWARD (ONLY) CONDITION INDUCES UPLIET
	OPHE STUDS & CRIPPLES
M=2540 in-	* > REND 1 = 192 #
Dels	CRIPPLE LMIN = 2540 - 13"
IPPLET FASTENED	
4) 7/6×2/2×1564 STAPL	5
2 = 4 (48)	OPENING STUDS RADOL = 2540 - 30.4
The state of the s	The state of the s
= 192+	1000 one FASTENER (070) 1060 = (3)(62×5/6×1.6)=297 >19260

PAGE 4 or 6

John C. Doeden

15133 County Road 22, Goshen, IN 46528

JOHN C. DOEDEN , P.E.

DATE: 11/06/11 REV.

CALCULATION FOR

SUBJECT: STAPLE LATERAL RESISTANCE - 15 GA

REFERENCE: ESR-1539

JOHN C. POEDEN, P.E.

FL LIC. NO. 45484

1) NAIL YIELD MODE

0.072 NAILS

LUMBER s.g. =

SIDE PIECE 0.42

MAIN MEMBER

Fe =

4260

0.42 Fe = 4260

2.20

WIRE DIAMETER = SIDE PLATE t =

0.072

Fyb = 100000

Kd=

2.5

1.500 FASTENER LENGTH p Re = Fem / Fes = Res = Fes / Fem =

MODE IIIs

Z =-2 ts Fes D/Kd (2Res + 1) + 2FesD/Kd x

[ts^2/(2Res+1)^2 + ts^2/(2Res+1) + 4M/Fes/D/(2Res=1)^.5

====>

141.83

MODE IV

Z =4 Fem D/ Kd * SQRT(M / Fem D (1 + Re)) =

45.03

M =

4 in-lbs

THEN Z = 45.03 LBS. Zbase = 45.03 LBS.

where Cd = 1 OK

PAGE 5 of 6

John C. Doeden

15133 County Road 22, Goshen, IN 46528

JOHN C. DOEDEN , P.E.

DATE: 11/06/11 REV.

CALCULATION FOR

SUBJECT: STAPLE LATERAL RESISTANCE - 16 GA

REFERENCE: ESR-1539

JOHN C. DOR

FL LIC. NO.

1) NAIL YIELD MODE

0.0625 NAILS

STATE O

LUMBER s.g. =

SIDE PLATE t =

0.42

SIDE PIECE

MAIN MEMBER 0.42 Kd= SIONAL

Fe =

Fe =

4260

2.20

WIRE DIAMETER =

4260 0.0625

Fyb = 100000

0.375 FASTENER LENGTH p

SHOATHING =

Re = Fem / Fes = Res = Fes / Fem =

MODE IIIs

Z =

-2 ts Fes D/Kd (2Res + 1) + 2FesD/Kd x

[ts^2/(2Res+1)^2 + ts^2/(2Res+1) + 4M/Fes/D/(2Res=1)^.5

====>

38.43

MODE IV

Z = 4 Fem D/ Kd * SQRT(M / Fem D (1 + Re)) = 39.80

3.6 in-lbs

THEN Z =

38.43 LBS.

Zbase =

38.43 LBS.

where Cd = 1 OK

PAGE 6 of 6 ENGINEERING, Inc Structural Designers - Consulting Engineers JOHN C. DOEDEN , P.E. 15133 County Road 22, Goshen, IN 46528 CALCULATION FOR S.E Homes SUBJECT: 7/16 x 1-1/2 x 16 Ga. Stap FIELEC. NO. 45484 0.375 x LUMBER SIDE PLATE REFERENCE: NDS-SCREW YIELD MODE FOR LOADS 90 DEGREES TO GRA le to Grain is Not Applicable for 7/16 x 1-1/2 x 16 Ga. Staple SIDE PIECE MAIN MEMBER 0.42 0.42 Kd= 2.20 Fe = 3350 Fe = 3350 Fyb = 100000 FASTENER DIA. = 0.0625 SIDE PLATE t = 0.375 FASTENER LENGTH p = 1.5 Re = MODE Is Z= -D ts Fes / Rd = 35.69 Rd= Kd x Ktheta for D<.25 MODE Im Z= D tm Fem / Rd = 107.07 Kd = 2.2 Ktheta = 1.25 MODE II Z= k1 D ts Fes / Rd = 35.69 where k1= 1.00 Rt = tm/ts= 3 MODE IIIm Z= k2 D tm Fem / (1+2Re) Rd 37.30 where k2= 1.05 MODE IIIs Z =k3 D ts Fem / (2+Re) Rd = 16.40 where k3= 1.38 MODE IV $Z = D^2/Rd * SQRT(2 Fem Fyb / 3 (1 + Re)) =$ 18.76 32.80 lbs < 38.4 THEN Z = 16.40 LBS. x 2 Legs = &pmin = 6D= 0.375 OK

THE ASS.				PAGEL_	of 4	1
Mary and Mary of the Control of the	JOHN C. DOEDEN 15133 County Road 22,		DATE:	1/14/211 REV		Marting assession by a series
		E HOMES BROW WEXPOSED S & ASCE-7	J	OHN C. DOEBE		100 Mar 100 Ma
		BROW DESIGN THE ROOF APPLICA		UFT = 19.46	STATE OF	ON THE E
	#10 x42" since	WS INTO WAU S e 16°0 lz (3 cm	15)	4 PSF D RESIST	126	
3,1	BXS"	5	9"0/0 INST	AL ROOF W/1 & APPROVE ALLATION DI RAMING CF	RECTLY	
	2×6 No.35-PF BACK RAIL.			ACING = DIS		e.,
		2×4 N1.35-	P.F.	EAVE = (79.	4)(133)	
		24"MAX	C16.0(c		د ۱۷۰	
2	SHEET FASTER LOAD = S (3000 2	GRANT9 (2 =3.	0+8)(1.33)	
	W/B W/ #9)	0+6) = 26 PSF	INSTRUC	TIONS		
	Pur o	89# (1.6) = 142* VER W/ 49" DIA. WAS ONS (ED. RIB) 9"UL =	HER HEAD :	: 0.4(80 KS) (1) = 339 = 7142	4× m /0.0135)
		NS 69" of PO		***	-1	~
••	*************	****				

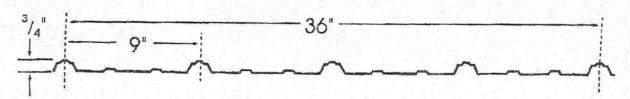
PAGE 2 of A	
JOHN C. DOEDEN , P.E.	
15133 County Road 22, Goshen, IN 46528 DATE: 11/14/11 REV	
CALCULATION FOR	
SUBJECT:	
JOHN C. DOLDEN, P.E.	
REFERENCE: FL LIC., NO. 46484	2 2 2 2 E
ZD: STATE OF C	4868888888
3) RIBBED ROOFING CAPACITY BASED CONTO TO	
ON POWER-RIB FEATURES PAGE	
FOR 2' SPACING OF PURLING/FASTENERS	
MAX. LOAD = III PSF BASED ON DOCK	
C 3-SPAN CONDITION	
SINCE EYEBROW IS SINGLE SPAY	
1 = 5 W.L. VS 3-SPAN D=0,0069 W.L.	
384 EI - 6I	
EI & L CONSTANT W, = 0.53 W2	
ALLOW. UPLIFT = 0.53(111) = 58.8 PSF < 79.4	
N6	
FIND Lz FOR 79, APSF	
LOAD BASED ON 4180	
Then $W_1 l_1^3 = 0.53 W_2 l_2^3$	
MAY 1 = 1/053(41) (24)3 = 21.7 " 504	
4) EACTO 150 0001000 V.C. 500	
LATERAL LOADS -> GRAVITY = LOAD 1 BANK PALL	
=3,31(21.5)2/2=219#4===1/4#/	
LIR. =53 5 (415) = 62 +	
7/075'= 82.6#/A < 164	
i, install 1 sorce ea.	
= 11CMP2 = 174	
103 177 7 164 (00	

POWER-RIB FEATURES:

Ref. Appendix

- Durable baked on finish.
- Available in 29 gauge (inquire for other gauges).
- Unique double trapezoidal 9" on center major rib with two intermediate ribs gives you maximum load carrying capacity with minimum deflection for exceptional strength
 and rigidity.
- A wide variety of beautiful colors.
- A complete line of trim and accessories.
- The 3/4" Power-Rib™ and specially designed Anti-Leak Lap Joint keeps your valuable assets safe and dry.
 - Guaranteed not to crack, peel, chip, check or fade for a full twenty years* making the Power-Rib^{IM} Panel your best choice.

 *See terms of Warranty for specific information.



				8	ECTION PRO	PERTIES					
	NOM.	WT.	Fv	NET	PANELT	OP IN COMP	RESSION	PANEL BOTTOM IN COMPRESSIO			
GAUGE THICK (m.)	(PSF)	(ICSI)	COVERAGE (In.)	1x (In.4/1t.)	Sx (in.3/fL)	Ma In-kips/ft.	hx (In.4/ft.)	Sx (In.3/fL)	Ma In-kips/ft.		
29	.015	0.78	80.0	35.0	.0143	.0241	0.57	.0071	.0159	0.57	

				ALLOY	ABLE	UNIFO	RM LO	ADS IN	POUR	NOS PE	RSQU	AREFO	TOC	- (28		100	
GAUGE		WIND	LOAS	(STRE	SS)			LIV	ELOA	D (STRI	ESS)			LIVE	OAD (DEFLE	TION)
29	2'	2.5'	3'	3.5'	4'	4.5	2	2.5	3.	3.5	4'	4.5'	2'	2.5'	3'	3.5	4"	4.5
	148	94	65	48	37	29	111	72	50	37	28	22	111	72	50	37	28	22

NOTES:

- Section properties and allowable stresses are calculated in accordance with the 1986 AISI specifications for light gauge structural members.
- Steel minimum yield strength is 80 KSI conforming to ASTM A635-95 (galvanized)
- Values shown as allowable loads are based on panel covering three equal spans. Multiply by 0.8 for two span allowable loads.
- 4. Allowable loads for wind have been increased by 33%. Panel weight has not been deducted. Minimum bearing length must be checked.
- For agricultural structures, the UBC and SBCCI building codes require a minimum of 10 PSF roof live loads.
- 6. Deflection loads are limited by a maximum deflection ration of L/180 of span.

Storage	and	Handling:

See Application Guide for specific Storage, Handling and Safety Precautions.

Distributed by:		

SIDE PIECE MAIN MEMBER LUMBER s.g. = 0.42 0.42 Kd= 2.20 Fe = 61850 Fe = 3350 FASTENER DIA. = 0.142 Fyb = 100000 SIDE PLATE t = 0.0135 FASTENER LENGTH p = 3 Re = 0.054163298 MODE IS MODE IM Z = D ts Fes / Rd = 53.89 Rd= Kd for D<.25 MODE IM Z = D tm Fem / Rd = 645.76 Kd = 2.2 MODE III Z = k1 D ts Fes / Rd = 264.64 where k1 4.91 Rt = tm/ts = 221.22 MODE IIII Z = k2 D tm Fem / (1+2Re) Rd 273.18 where k2 0.47 Z = k3 D ts Fem / (2+Re) Rd = 94.56 where k3 66.54	CALCULATION FOR		DATE:	D4/22/2011 REV
SUBJECT: # 9 SCREW - CUT THREAD OR ROLLED THREAD 29 GA METAL (33 ksi STEEL) SIDE PLATE REFERENCE: NDS SCREW YIELD MODE SIDE PIECE MAIN MEMBER LUMBER s.g. = 0.42 0.42 Kd = 2.20 Fe = 61850 Fe = 3350 FASTENER DIA = 0.142 Fyb = 100000 SIDE PLATE t = 0.0135 FASTENER LENGTH p = 3 Re = 0.054163298 MODE IS ACOUNTY OF THE PROPERTY OF THE PROP		S.E. Homes		
29 GA METAL (33 ksi STEEL) SIDE PLATE SCREW YIELD MODE SIDE PIECE MAIN MEMBER UMBER s.g. = 0.42 0.42 Kd = 2.20 Fe = 61850 Fe = 3350 ASTENER DIA = 0.142 Fyb = 1000000 SIDE PLATE t = 0.054163298 IODE IS ODE IS Z = D ts Fes / Rd = 53.89 Rd = Kd for D<.25 NDE IDE IDE IDE IDE IDE IDE IDE IDE IDE I	UBJECT: #			Tohand
SIDE PIECE MAIN MEMBER UMBER s.g. = 0.42 0.42 Kd= 2.20 Fe = 61850 Fe = 3350 ASTENER DIA = 0.142 Fyb = 100000 IDE PLATE t = 0.054163298 IODE Is ODE II ODE III ODE III Z = D ts Fes / Rd = 53.89 Rd = Kd for D<.25 Kd = 2.2 ODE III Z = k1 D ts Fes / Rd = 264.64 where k1 4.91 Rt = tm/ts = 221.22 ODE IIIs Z = k2 D tm Fem / (1+2Re) Rd = 94.56 where k3 66.54				FLEW NO TEND
SIDE PIECE MAIN MEMBER UMBER s.g. = 0.42 0.42 Kd= 2.20 Fe = 61850 Fe = 3350 ASTENER DIA = 0.142 Fyb = 100000 IDE PLATE t = 0.054163298 IODE Is ODE Is ODE II ODE III Z = D ts Fes / Rd = 53.89 Rd = Kd for D<.25 CODE III Z = D tm Fem / Rd = 645.76 Kd = 2.2 ODE III Z = k1 D ts Fes / Rd = 264.64 where k1 4.91 Rt = tm/ts = 221.22 ODE IIIs Z = k2 D tm Fem / (1+2Re) Rd 273.18 where k2 0.47 Z = k3 D ts Fem / (2+Re) Rd = 94.56 where k3 66.54	EFERENCE: NDS	3-		70.
UMBER s.g. = 0.42 0.42 Kd = 2.20 Fe = 61850 Fe = 3350 ASTENER DIA. = 0.142 Fyb = 100000 IDE PLATE t = 0.054163298 ODE Is ODE Is ODE Im ODE II Z = D tr Fem / Rd = 645.76 Kd = 2.2 ODE III Z = k1 D ts Fes / Rd = 264.64 where k1 = 4.91 Rt = tm/ts = 221.22 ODE IIIs Z = k3 D ts Fem / (2+Re) Rd = 94.56 where k3 = 66.54	CREW YIELD MODE			STATE UF
Fe = 61850 Fe = 3350 ASTENER DIA. = 0.142 Fyb = 100000 IDE PLATE t = 0.0135 FASTENER LENGTH p = 3 Re = 0.054163298 ODE Is ODE Im ODE Im Z = D tr Fem / Rd = 645.76 ODE II Z = k1 D ts Fes / Rd = 264.64 where k1 = 4.91 Rt = tm/ts = 221.22 ODE III Z = k2 D tm Fem / (1+2Re) Rd = 94.56 where k3 = 66.54		114 114 1115 (3)	BER	THE ORIO
ASTENER DIA. = 0.142 Fyb = 100000 IDE PLATE t = 0.0135 FASTENER LENGTH p = 3 Re = 0.054163298 ODE Is ODE Im ODE Im ODE II Z = D tr Fem / Rd = 53.89 ODE II Z = k1 D ts Fes / Rd = 645.76 CDE III ODE III Z = k2 D tm Fem / (1+2Re) Rd 273.18 where k2 = 0.47 CDE IIIs Z = k3 D ts Fem / (2+Re) Rd = 94.56 where k3 = 66.54	일반 100 120 12 12 12 12 12 12 12 12 12 12 12 12 12	0.42	Kd= 2.20	OBORONAL DESPE
DEPLATE t =				
ODE IM Z= D tm Fem / Rd = 645.76 Kd = 2.2 ODE II Z= k1 D ts Fes / Rd = 264.64 where k1= 4.91 Rt = tm/ts= 221.22 ODE IIIs Z= k3 D ts Fem / (2+Re) Rd = 94.56 where k3= 66.54		0.0135 FASTENER LENGTH p =	3	
ODE Im Z= D tm Fem / Rd = 645.76 Kd = 2.2 ODE II Z= k1 D ts Fes / Rd = 264.64 where k1= 4.91 Rt = tm/ts= 221.22 ODE IIIm Z= k2 D tm Fem / (1+2Re) Rd 273.18 where k2= 0.47 ODE IIIs Z= k3 D ts Fem / (2+Re) Rd = 94.56 where k3= 66.54		Z= D ts Fes / Rd =	53.89	Rd= Kd for D< 25
DDE II Z= k1 D ts Fes / Rd = 264.64 where k1= 4.91 Rt = tm/ts= 221.22 DDE IIIm Z= k2 D tm Fem / (1+2Re) Rd 273.18 where k2= 0.47 DDE IIIs Z= k3 D ts Fem / (2+Re) Rd = 94.56 where k3= 66.54		- diri omi ita -		
DDE IIII Z = K2 D tm Fem / (1+2Re) Rd 273.18 where k2 = 0.47 DDE IIIs Z = k3 D ts Fem / (2+Re) Rd = 94.56 where k3 = 66.54			264.64 where k1=	
2 KO D IS FERRY (2+Re) RG = 94.56 Where k3= 66.54		= k2 D tm Fem / (1+2Re) Rd	273.18 where k2=	
00E IV	DE IIIS Z	= K3 D ts Fem / (2+Re) Rd =	94.56 where k3=	66.54
ODE IV $Z = D^2/Kd * SQRT(2 \text{ Fem Fyb } / 3 (1 + \text{Re})) = 133.41$	DDE IV Z	= D^2/Kd * SQRT(2 Fem Fyb /	3 (1 + Re)) =	133.41
마이크 프랑스님은 얼마나 맛이 어떻게 들었다면서 나를 가나를 하는 것 같아.	TUEN 7			
THEN Z = 53.89 LBS. & p min = 10 D = 142 OK	THEN Z =	53.89 LBS. &	p min = 10 D =	1.42 OK



Ver. 11

DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

FLORIDA

UNIT WIDTH: 180 in

ROOF PITCH: 6/12 TO 6/12 WIND: 100 MPH EXPOSURE C

1 STORY- W.O ATTIC

943

BUI

MODEL NUMBER: EZ-476 76 h.

PLANT #:

MAX. STRUCTURE LENGTH:

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

- 1	\$200000 TOO 10000	First Floor	Location	Roof Loads	at 1st floo	or opening n	er Snow load (lbs.)1:	Net	-
	Colum ID	Span (ft.)	(Ft)	20 psf		1	J. Chor load (lbs.) .		
	1	8'	36.333'	2148#		+		Uplift	
n L	2	8'	44.333'	2148#		-		400 #	
	3	7'	48.333'	1879#		+		400#	
- L	4	7'	55.166'	1879#		-		350 #	
MATING	5	7'	60.166'	1879#				350 #	
ī [6	7'	67.166'	1879#	-	-		350 #	
(MB)			*******	1010#		-		350 #	
~ _				 					
UMNS						-			J
UMNS				-		-			ı
		1		 					ı
		1							ĺ
Z T		1							ĺ
WALL									ĺ
	cts roof load at m								

1. Table A reflects roof load at mating wall opening supports from roof load only. To determine the load at a foundation adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load	Uniform Load und	er wall per Ground	Snow (lbs/fl.):	Net Uplift	(lb/ft)
	Only ³	20 psf			- 27192-22	1
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf			NC	Corner
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf			94. plf	115.4 plf
MAX. SIDEWALL RIM RAIL SPANS (in.) 1	NA	NA NA			. plf	27.1 plf
MATING WALL AT 1st FLOOR CEILING:	. plf	536.9 plf			A. C. S.	100 C 100
MATING WALL AT FLOOR TO SILL:	. plf	1140.4 plf	\rightarrow		100. plf	100. plf
MAX. MATING RIM RAIL SPANS (in.)2	NA	NA NA			. plf	. plf
SIDEWALL & MATING WALL SUPPORTED8:		N				Service Con-
CHASSIS BEAM SUPPORTS (PLF):	360. plf	607.6 plf				
MAXIMUM CHASSIS PIER SPACING (FT.):	13.4' o/c				SE S	

- 1. SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 2. MATING GIRDER SPANS BASED ON RIM JOIST(S): (4) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
- 3. FLOOR ONLY- INDICATES LOAD OR ALLOWABLE SPANS UNDER MATING WALL OPENINGS (FLOOR LOAD ONLY).
- 4. EACH ENDWALL SHALL BE ANCHORED TO FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 4339 Lbs. & EACH SIDEWALL SHALL BE ANCHORED TO FOUNDATION FOR SHEAR DUE TO HOR. WIND FOR 3019 Lbs.
- 5. GRAVITY LOADS DO NOT INCLUDE WEIGHT OF FOUNDATION WALLS AND FOOTERS.
- 6. INDICATES UNIFORM LOAD OR ALLOWABLE SPANS UNDER MATING WALLS (FLOOR + ROOF LOADS).
- UPLIFT LOAD AT SIDES OF FIRST FLOOR OPENINGS=(PLF)*OPENING/2
- 8. "Y"- SIDEWALL & MATING WALL IS SUPPORTED BY PIERS. OR "N"-SIDEWALL OR MATING WALL NOT SUPPORTED BY PIERS AT 8' OC. MAX.

NOTES TO ALTERNATE FOUNDATION DESIGN PROFFESIONAL:

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- 2. THE LOAD ON THIS PAGE HAS BEEN PREPARED TO COMMUNICATE THE IMPOSED LOAD REQUIREMENTS FOR THE HOME AND IS INTENDED TO BE UTILIZED BY A PROFESSIONAL ENGINEERING IN CONFORMANCE WITH LOCAL BUILDING CODES.
- 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:
 - a. ON FRAME CRAWL (perimeter anchored) FOUNDATION DESIGN FOR: 30' 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC
 - b. 100 MPH EXPOSURE C
 - c. 20 PSF, MAX. GROUND SNOW LOAD.
 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 8PSF FL. DL. &, 10PSF B.C.L.L MAX. GROUND SNOW LOAD
 - e. SEISMIC DESIGN CATEGORY C SDS=0.5
- 4. ALL DESIGN AND CONSTRUCTION IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION. CONTACT LOCAL BUILDING DEPARTMENT FOR FROST LINE AND SOIL
- 5. FLOOR OR FOUNDATION WALL MUST BE INSULATED TO MEET A CONDITION SPACE AS REQUIRED BY HVAC DESIGN AS APPROVED BY BUILDING JURISDICTION. FOUNDATION WALL INSULATION SHALL BE PROVIDED AND INSTALLED BY OTHESR ON-SITE.
- 6. ALL FOUNDATION AND SITE WORK TO BE PERFORMED BY A LICENSED PROFESSIONAL CONTRACTOR.
- 7. THIS IS NOT INTENDED FOR CONSTUCTION DESIGN. FOUNDATION MUST BE DESIGNED TO CARRY ALL IMPOSED LOADS INCLUDING BUT NOT LIMITED TO FORCES INDICATED ABOVE FOR SPECIFIC STRUCTURE BY REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH APPLICABLE BUILDING CODES. 8. PLEASE REFER TO THE PROVIDED FOUNDATION DESIGN PACKAGE FOR ALL FOUNDATION CONSTRUCTION REQUIREMENTS.
- 9. PLEASE CONTACT JOHN WELDY DIRECTOR OF ENGINEERING AT 574.825.7500 FOR ADDITIONAL INFORMATION. PLEASE PROVIDE FILENAME:943K-3.R.K.E.22.2.210(4)



Ver 11

DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

FLORIDA

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12

WIND: 100 MPH EXPOSURE C

1 STORY- W.O ATTIC

PLANT #: 943 MODEL NUMBER: EZ-476

MAX. STRUCTURE LENGTH:

76 ft

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

- 1	_	First Floor	Location	Roof Loads at	st floor opening	per Snow load (lbs.) 1:	Net
	Colum ID	Span (ft.)	(Ft)	20 psf	1	per dilott load (lbs.) .	Net
	1	8'	36.333'	2148#			Uplift
(n	2	8'	44.333'	2148#			400 #
ž	3	7'	48.333'	1879#			400 #
MATING	4	7'	55.166'	1879#			350 #
ĕ Ž	5	7'	60.166	1879#			350 #
PIERS (A/B) N	6	7'	67.166'	1879#			350 #
(AVB)			01.100	10/3#			350 #
UNDER		1					
<u> </u>		1					
ATED		1					
15 7		1					
I HE FOLL LOCATED WALL COL		+					
	ects roof load at m						

1. Table A reflects roof load at mating wall opening supports from roof load only. To determine the load at a foundation adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load	Uniform Load u	nder wall per Ground Snow (lbs/ft.):	Net Uplift	(lh/ft)
	Only ³	20 psf		T	NC	1
SIDEWALL AT 1st FLOOR CEILING	397.5 plf	298.7 plf		_		Corner
SIDEWALL AT FLOOR TO SILL:	397.5 plf			_	94. plf	115.4 plf
MAX. SIDEWALL RIM RAIL SPANS (in.)1	57.1"	75.8"			. plf	7. plf
MATING WALL AT 1st FLOOR CEILING:	795. plf	536.9 plf			2000000	性級性以
MATING WALL AT FLOOR TO SILL:	795. plf				100. plf	100. plf
MAX. MATING RIM RAIL SPANS (in.)2		1193.8 plf			. plf	. plf
OOTNOTES:	95.9"	81.1"			- NOT THE RESERVE	

- 1, SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X10 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
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- 5. GRAVITY LOADS DO NOT INCLUDE WEIGHT OF FOUNDATION WALLS AND FOOTERS.
- 6. INDICATES UNIFORM LOAD OR ALLOWABLE SPANS UNDER MATING WALLS (FLOOR + ROOF LOADS).
- 7. UPLIFT LOAD AT SIDES OF FIRST FLOOR OPENINGS=(PLF)*OPENING/2

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- 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:
 - a. OFF FRAME BASEMENT & CRAWL FOUNDATION DESIGN FOR: 30" 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC
 - - c. 20 PSF, MAX. GROUND SNOW LOAD.
 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 13PSF FL. DL. &, 10PSF B.C.L.L MAX. GROUND SNOW LOAD
 - e. SEISMIC DESIGN CATEGORY C SDS=0.5
- 4. ALL DESIGN AND CONSTRUCTION IS SUBJECT TO THE AUTHORITY HAVING JURISDICTION. CONTACT LOCAL BUILDING DEPARTMENT FOR FROST LINE AND SOIL
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Ver. 11

DESIGNER GUIDE FOR ALTERNATIVE FOUNDATIONS:

FLORIDA

UNIT WIDTH: 180 in ROOF PITCH: 6/12 TO 6/12 WIND: 100 MPH EXPOSURE C

1 STORY- W.O ATTIC

943

PLANT#: MODEL NUMBER: EZ-476 76 ft.

MAX. STRUCTURE LENGTH:

Mating wall is a roof load bearing wall; therefore the column supports of all first floor mating wall opening must be supported for the concentrated gravity and uplift loads based on the opening span as provided in table A:

TABLE A: Mating wall column roof loads:

		First Floor	Location	Roof Loads at	1st floor opening	ng per Snow load (lbs.)1:	Net
	Colum ID	Span (ft.)	(Ft)	20 psf		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Uplif
	1	8'	36.333'	2148#			
MATING	2	8'	44.333'	2148#			400 #
	3	7'	48.333'	1879#			400 #
	4	7'	55.166'	1879#			350 #
	5	7'	60.166	1879#			350 #
(20)	6	7'	67.166'	1879#			350 #
				1070#			350 #
ž							
UMNS							
3 g F							
5 = [-	_		
WAL							
	cts roof load at m						

^{1.} Table A reflects roof load at mating wall opening supports from roof load only. To determine the load at a foundation adjacent floor and wall loads must be added per table B. In lue of using above load may be derivied by multiplying half mating wall opening span times mating wall at 1st floor ceiling uniform load as specified in table B.

TABLE B: UNIFORM LOAD (PLF) AT FLOOR LINE AT:

	Floor Load		er wall per Ground Snov	v (lbs/ft.):	Net Uplift	(lb/ft.)
OIR THURSDAY	Only ³	20 psf			NC	Corner
SIDEWALL AT 1st FLOOR CEILING	. plf	298.7 plf				
SIDEWALL AT FLOOR TO SILL:	. plf	596.8 plf			94. plf	115.4 plf
MAX. SIDEWALL RIM RAIL SPANS (in.)1	NA	NA			. plf	27.1 plf
MATING WALL AT 1st FLOOR CEILING:	, plf	536.9 plf			0.05	No. 40
MATING WALL AT FLOOR TO SILL:	. plf	1140.4 plf			100. plf	100. plf
MAX. MATING RIM RAIL SPANS (in.)2	NA	NA NA			. plf	. plf
SIDEWALL & MATING WALL SUPPORTED8:	U STATE STATE	N			10000000000000000000000000000000000000	
CHASSIS BEAM SUPPORTS (PLF):	360. plf	607.6 plf			300000000000000000000000000000000000000	网络斯特斯
MAXIMUM CHASSIS PIER SPACING (FT.):	13.4' o/c					
FOOTNOTES:	10.1 0/0	10.5 0/0			加加州大学 大	

- 1. SIDEWALL SPANS BASED ON RIM JOIST(S): (2) 2X8 #2 SPF WITH EACH RIM MEMBER SPLICED WITH 5" X 8" MITEK M20 metal plates each side
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- 3. FOUNDATION LOADS ABOVE REFLECTS THE FOLLOWING:
 - a. PIER SET (FRAME TIED) FOUNDATION DESIGN FOR: 30" 0 " 2-SECTION MODULAR 1 STORY- W.O ATTIC
 - b. 100 MPH EXPOSURE C
 - c. 20 PSF, MAX. GROUND SNOW LOAD.
 - d. 40 PSF FL. LL., 7PSF T.C.D.L., 8PSF B.C. D.L., 8PSF FL. DL. &, 10PSF B.C.L.L MAX. GROUND SNOW LOAD
 - e. SEISMIC DESIGN CATEGORY C SDS=0.5
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APPLICATION ENGINEERING FOR HEATING AND COOLING

SOUTHERN ENERGY HOMES Hwy 41 N, PO Box 269 Addison, AL 35540

Manufacturer's Model #:

EZ-476-MOD-FL

HVAC System Type: OVERHEAD GRAD FLEX FOR UPFLOW (SPLIT A/C)

Prepared By LaSalle Air Systems

11/22/2011 {Method & Output C 2009}

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Calculations on this page are based on design parameters set forth in ASHRAE and ACCA Manuals J and D. Design calculations are based on ACTUAL orientation. Room loads may vary based on actual conditions.

ENTIRE HOUSE VALUES - DESIGN ZONE: FL- DCA, North

ORANGE ORIENTATION

COOLING LOAD:

22,131 Btuh based on outside temp of

94 $^{\circ}$ F (34 C) with inside temp reduced to $\,$ 75 $^{\circ}$ F (23 C)

HEATING LOAD:

17 ° F (-9 C) with inside temp raised to

70 ° F(21C)

GRAINS DIFFERENCE:

33,753 Btuh based on outside temp of 40

outside wet bulb

outside RH:

72.8 %

CONSTRUCTION DETAILS & U FACTORS:

11	q	-	10	-3	-
1	. 7				150

83.2 ° F

ROOM BY ROOM VALUES:

695.6 FPM, max velocity in trunk #:

į.	Requirements based on a	ctual house loa	ds		Cooling Ai	r	Heating At	0.14 N	Max pressure	at A/H
٧	vithout incorporating duct	friction losses.			Values for		Heating Air Values for	48	45	NATIONAL CONTRACT CONTRACT
ROOM NAME	HEATING	COOLING	CFM			ton unit	values lot	Gas/Oil	15 KW Elec	Maximum A/C capacity
Kitchen	LOSS (Btu) 2,431	GAIN (Btu)	DIST		CFM	Btuh	CFM	Btuh	Btuh	Calibrated Blower Test
Dining	4,374	1,376	60	2	55	1,632	50	2,331	2,737	Btuh (alt adj) 2,672
Living Rm	6,249	3,120 4,355	132	10	127	3,757	115	5,365	6,301	6,123
Foyer	1,499	802	175 35	18	175	5,168	158	7,380	8,667	8,435
Bedroom #3	3,419	2,492	105		49 106	1,448	44	2,067	2,428	2,370
Hall Bath	1,175	693	28		37	3,134 1,096	96	4,476	5,256	5,047
Bedroom #2	3,838	2,610	108		129	3,800	33 116	1,565	1,837	1,771
M. Bath	3,924	2,209	94		119	3,516	107	5,427	6,373	6,081
WIC M. Bedroom	1,761	1,007	43	83	49	1,433	44	5,021 2,046	5,897	5,731
Utility	3,115	2,390	102	90	132	3,876	118	5,535	2,403 6,501	2,346
	1,969	1,077	46		47	1,391	42	1,986	2,333	6,318 2,277
TOTALS	33,753	22,131		$\langle \langle \uparrow \rangle \rangle$				********		2,211
	55,755	22,131	928	3	1,026	30,252	924	43,200	50,735	49,172

APPLICATION ENGINEERING DUCT AIR FLOW AND SIZING WORKSHEET (MANUAL D)

Manufacturer:

SOUTHERN ENERGY HOMES

Hwy 41 N, PO Box 269 Addison, AL 35540

Model #: EZ-476-MOD-FL

HVAC System Type: OVERHEAD GRAD FLEX FOR UPFLOW (SPLIT A/C)

Design Zone: FL- DCA, North

Prepared by LaSalle Air Systems

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Calculations include factors for duct eir temperature change and pressure drops through ducts. All joints are tightly fitted or sealed.

BRANCH DUCT LISTING	G ANALYSIS	@		E.S.F		Ititude =	485.8117 40		FR≃	0.0803	(//C (Doil inclu	ded)	Use	er Input	t	
BR #	Trunk #	Metal (ft)	F. G. (ft)		Fittings(ft)		Heat Bluh	Cool Btuh	Heat	Cool	Design	Round	Rect (i.d.)		Size	Final Round	Final Velocity
1 Living Rm	4	0	0	26		372.133	3,705	2,582	89		103	7.17	(1.0.)	X	(i,d.)	Size	fpm
2 Living Rm	4	0	0	19	339.875	358.875	2,544	1,773	61	70	70	6.22				7.0	385.4
3 Foyer	3	0	4	12	307.946	323.946	1,499	802	35	31	35	4.69				6.0	358.1
4 Bedroom #3	5	0	0	17	344.275	361.275	3,419	2,492	82	99	99	7.01				5.0	259.1
5 Hall Bath	6	0	0	26	409.812	435.812	1,175	693	29	28	29					7.0	370.1
6 Bedroom #2	6	0	0	36	396.044	432.044	3,838	2,610	94	107		4.45				5.0	210.4
7 Dining	7	0	4	20	271.653		4.374	3,120	102	1970	107	7.49				8.0	306.5
8 Kitchen	7	0	4	10	266.459		2,431	1,376		120	120	7.56				7.0	450.3
9 Utility	2	0	4	14		338.867	1,969		56	53	56	5.26				5.0	414.3
10 M. Bedroom	8	0	4	17		284.559		1,077	47	42	47	5.12				5.0	341.9
11 WIC	8	0	4	32	291.54	327.54	3,115	2,390	72	92	92	6.45				7.0	343.3
12 M. Bath	8	0	4	39	276.9		1,761	1,007	42	39	42	5.08				5.0	304.6
/A Other Rooms			7	33	270.9	319.9	3,924	2,209	92	86	92	6.75				7.0	345.5

							33,753	22,131	800	872	892						

RUNK DUCT LISTING ANALYSIS											
TRUNK # 1	4	90	94	33,753	22,131	900	10.10				
TRUNK# 2	4	94	98	33,753	22,131	892	12.13	Great		16.0	639.0
TRUNK# 3	4	194.551	198.551	16,180	10,952	892	12.13	14	18	17.3	509.9
TRUNK# 4			268.675	6,249	4,355	443	10,19			12.0	564.3
TRUNK # 5			266.075	8,432		173	7.60			8.0	496.5
TRUNK# 6		316.998		5,013	5,795	235	8.52			9.0	531.0
TRUNK# 7		179.859			3,303	136	7.38			8.0	388.7
TRUNK# 8		181.959		6,804	4,496	177	7.20			8.0	506.6
TRUNK# 9		101,505	130.333	8,799	5,606	226	7.88			9.0	510.7
TRUNK # 10					*	0		0	0		- 4511
TRUNK # 11				*	2	0		0	0		
TRUNK # 12				8	*	0		0	0		
TRUNK # 13					71	0		0	0		
TRUNK # 14				**	•	0		0	0		
TRUNK # 15						0		0	0		
LONGEST				3.5	•	0		0	0		
RETURN DUCT	0	50	50								
	· ·	30	50			892	11.39	19	19	20.8	355.9

Southern Energy Residential Electrical Feeder Load Calculation for 120 / 240 Volt

DATE: 11/28/11 BY: SMP

MODEL: MTF-2530-EZ-476

(E)(1) LIGHTING LOAD						
Main Floor Size =		Tag Floor S	Size =	2-	d El 0:	
length = 76	.00 ft.	The state of the s	ngth =	ft.	d. Floor Size =	-
width = 30	.00 ft.		idth =	ft.	iength = width =	ft.
				3,545	Width -	ft.
Total area = 19	ALL CONTROL OF STREET		num number			
×	_3 VA	of 15	Amp circuits	= 4	7	
5	784 VA			-		
(B)/2) SMALL ADDITANCE						
(B)(2) SMALL APPLIANCE No. of circuits =	0.117525-7525-7525-5		LAUNDRY			
	4		No. of circuit:	s =	1	
	500 VA 000 VA				500 VA	
	000 17			15	500 VA	
(B)(3) APPLIANCE LOAD	& (B)(4) MOTOR	LOAD				
Electric Range =		11900 VA				
Electric Water Heater =		3800 VA				
Electric Clothes Dryer =		5600 VA				
Electric Cooktop =		0 VA				
Electric Wall Oven =		0 VA				
Trash Compactor =		0 VA				
Dishwasher =		744 VA				
Garbage Disposal =		0 VA				
Hydromassage Tub Motor =		0 VA				
Gas/Oil furnace blower motor	or =	0 VA				
Microwave oven =		1580 VA				
Other =		0 VA				
Exhaust Fans (total of all) =		840 VA		1 Kitchen	@ 120 VA each	
		24464 VA		3 Bath @	240 VA each	
TOTAL OF LOADS (B)						
(1) Lighting load =		2020 040				
(2) Small appliance load =		5784 VA				
(2) Laundry load =		6000 VA				
(3) Appliance & (4) Motor los	nd f	1500 VA 24464 VA				
Subtotal		37748 VA				
		37740 07				
Demand Facto						
First 10000 VA @ 100%	= 1	10000 VA				
Remaining 27748 VA @ 40%	=1	11099 VA				
General Load Total	= 2	21099 VA				
(C) UEATING AND AIR CO.						
(C) HEATING AND AIR-CON	DITIONING LOA	D (USE LARC	GEST)			
(1) Air conditioning & cooling	@ 100% =)	0 VA	
(2) Heat pump w/o suppleme	ntal electric neatir	ng @ 100% =		1	O VA	
(3) Electric thermal storage @	9 100% =)	O VA	
(4) Heat pump @ 100% & sur	opiemental electri	c heating @ 6	5% =		O VA	
(5) Electric space heating (les	is than 4 units) @	65% =		13260) VA	
			-			
			Total VA =	34359	_VA / 240 Volts =	
		TOTAL OF A	II I OADS -	1.42	AMDO	
	Minimum N	Main Panel Size	e Required =	143 150	AMPS	
		Main Panel Siz			AMPS	
	7 101001		= Delibidieu	200	JAMPS	
	aprotospi sessi ev					
	Service Feeder	Conductor Siz	e Required =	4/0	AWG AL or CU-Clad	AL
			310.15(B)(6)		AWG CU	
			We 2000000		11111111111111111111111111111111111111	
	Grounding I	Electrode Cond	ductor Size =	2	AWG AL or CU-Clad	AL
220.61			Table 250.66		AWG CU	1
1202200000 man - 10000000	inhtine O- "	240000000				
HEOTRAL LOAD	ighting, Small Ap			13284		
	D	First 3000 V		3000		
	Kem	aining 10284 \	VA @ 35% =	3599.4	VA	

Johnson

Neutral wire size based on amps =

Total Cooking Appliances @ 70% =

Clothes Dryer @ 70% =

Sum of other 120 V Loads =

Subtotal =

92 AMPS

6599.4 VA

8330 VA

3920 VA

Loads = 3164 VA Total = 22013.4 VA / 240 V =

PRODUCT APPROVAL SPECIFICATION SHEET

Manufacturer: Southern Energy Homes Plan #: MTF-2530-EZ-476

As required by Florida Statue 553.842 and Florida Administrative Code 9N-3, the below listed information and the product approval number(s) on these building components reflect those utilized on the manufactured building for which a DCA incipain is a real-

Category	Manufacturer	Product Description	Approval #(s)
EXTERIOR DOORS			Approvar #(8)
Swing / Patio	Dunbarton		FL2623
WINDOWS			
Single Hung	Kinro	9750	FL993.1, FL993.2
PANEL WALL			
Vinyl Siding	Georgia Pacific	Variform	FL2224-R3
Soffit	James Hardie	Hardie Soffit/Cem Soffit	FL13265.1
ROOFING PRODUCT		A Angel Some Cem Some	FL13203.1
Shingles	Owens Corning	Classic	FL10674
Underlayment	Shepherd Distribution	Ply Dry III	FL10674 FL13512
Asphalt Cement	Tamko	Tam-Pro 856 Premium SBS Adhesive	FL1960.7
Asphalt Cement	Tamko	Tam-Pro Q-20 Premium SBS Flash	FL1960.10
SHUTTERS		- ODE HOSH	FL1900.10
N/A			
SKYLIGHT V/A			
STRUCTURAL COMPONENTS			
Truss Plates (16, 18 & 20ga)	MiTek		
Jplift Strap	SimpsonStrongTie	LSTA18, CS22, CS16, CS14	FL2197-R3 FL10852
Jplift Strap	SimpsonStrongTie	LTS18, HTS16	FL10456
EW EXTERIOR NVELOPE PRODUCTS			
/A			A TON
			1

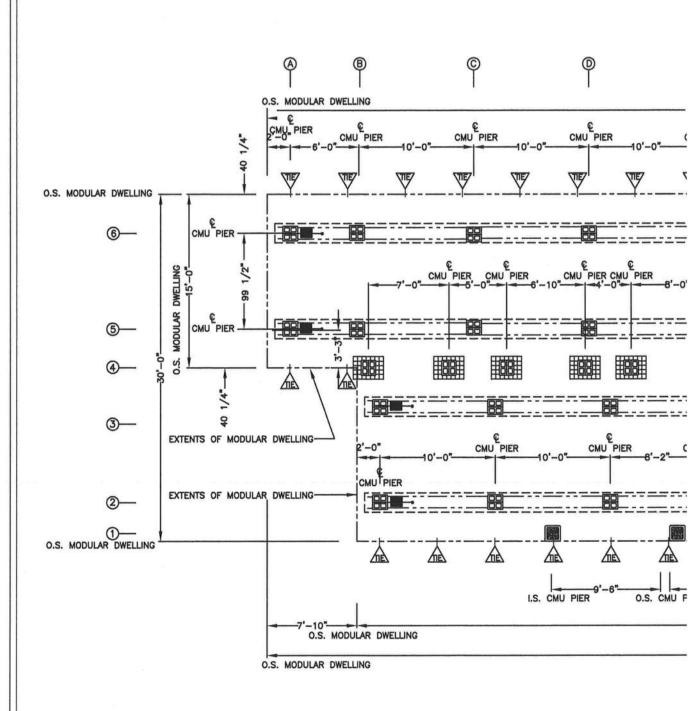
The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector at the manufacturing plant: (1) Copy of product approval from the Local or State Building Commission, or supply all of the information listed on Form No. 9B-72.130(5). (2) Copy of the applicable manufacturer's installation requirements.

understand these proc nspection.	fucts may have t	to be removed i	f approval cann	ot be demon	strated duri	ng
		-	i d			

		4				
					P	-
7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -						
			11			
			11			
						-
				_	(1)	

Manufacturer's Authorized Agent Signature

Steven Phillips 11-28-11
Printed Name Date



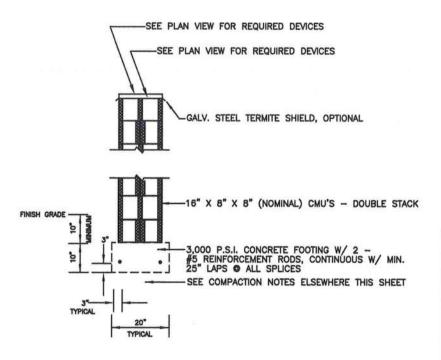
1 DIMENSIONED FOUNDATION PLAN VIEW
S1.0.0 SCALE: 1/8" = 1'-0

PROJECT No. ENERGY2-S1.0.0.DWG	11
SHEET No.	DATE /06
\$1.0.0	=

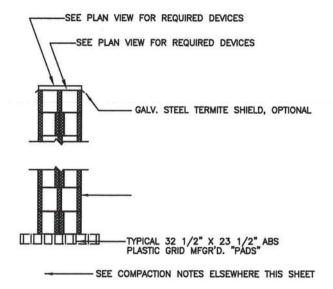
DIMENSIONED FOUNDATION SYSTEM PLAN VIEW MISC. NOTES, REFERNCES & INSTRUCTIONS

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Curtis E. Keen, PE #23836 Certification of Authorization #3761 DATE:



SECTION THROUGH DOUBLE STACKED CMU'S - CONCRETE SCALE: N.T.S.



REINFORCING REINFORCING STI STEEL ALL REINFORCING SPLICES SHALL FOR MINIMUM CO ALL REINFORCEM **GENERAL** FOOTINGS SHALL 1,800 P.S.F. SO

ADDITIONAL CONCRETE

- Concrete construction shall r "Building Code requirements Concrete Practice, Part 1 AC
- Cement for concrete shall m
- 3 Aggregates for concrete shall
- 4 Water for concrete shall be 5 Optional: Test concrete for c concrete placed on a given 28 days. Testing will be pa
- 6 Concrete shall have strength
- Reinforcing steel shall meet noted.
- Concrete temperature shall n
- Concrete shall be placed in
- 10 Concrete shall not be allowed Areas to receive concrete sh
- properly positioned prior to
- 12 Anchor Bolts shall meet the
- 13 Anchor bolts and dowels sha length shall be covered with
- 14 Lap splices shall be 40 bar
- 15 Detailing, fabrication, and pla CRSI and ACI specifications. 16 Reinforcing steel shall be fre or destroy bond.
- 17 Reinforcing bars shall not be
- 18 Support reinforcing steel on

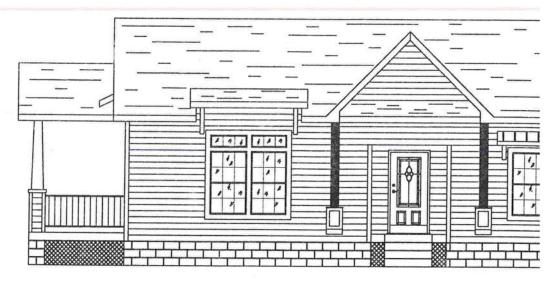
SECTION THROUGH DOUBLE STACKED CMU'S - ABS GRID SCALE: N.T.S.

PROJECT No. DATE 11/06/11 ENERGY2-S1.1.0.DWG SHEET No. \$1.1.0

REFERENCED SECTIONS & DETAILS MISC. NOTES, REFERNCES & INSTRUCTIONS

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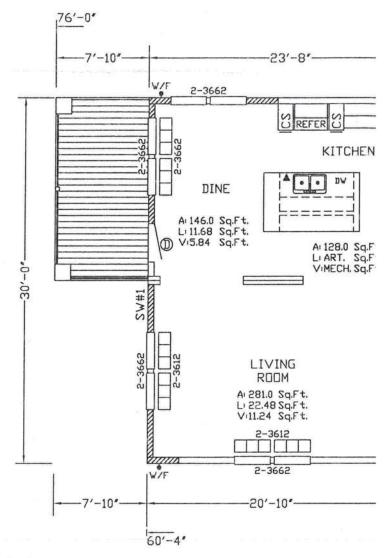
INTER. PRESSURE COEFFICIENT=.18 & -.18

FRONT OF HO

	INDEX	NOTE:	
A0	COVER SHEET & DESIGN CODES		R SOFFIT IN PORCH AF
A1	FLOORPLAN	ON-SITE	BY-OTHERS.
A2	ELEVATIONS (FRONT & REAR)		
A2a	ELEVATIONS (LEFT & RIGHT)		
A3	ELECTRICAL PLAN		
A3a	ELECTRICAL GENERAL NOTES		
A4	PLUMBING: DRAIN LINES	NOTES:	
A4a	PLUMBING: SUPPLY LINES (COLD)	1. THESE PLANS COMPLY	WITH RULE 9N-3 FOR P
A4b	PLUMBING: SUPPLY LINES (HOT)	2. THE RAISED SEAL SET C	
A4c	PLUMBING GENERAL NOTES	AGENCY'S OFFICE AS DI	
A4d	WATER SUPPLY AND DWV CONNECTIONS	3. THIS BUILDING HAS NO	
A5	HVAC LAYOUT	PLACEMENT IN HIGH VE 4. THIS BUILDING IS SUBJ	
A5a	HVAC NOTES & CROSOVER CONNECTION	FIRE INSPECTOR ON SITI	
A6	FOUNDATION PLAN (ON-FRAME PIER SET)	FIRE SAFETY CODE.	· · · · · · · · · · · · · · · · · · ·
A6a	FOUNDATION PLAN (ON-FRAME CRAWL SPACE)	5. THE MANUFACTURER'S	
A7	FOUNDATION PLAN (OFF-FRAME)	BE PERMANENTLY MOUN	
A7a	CROSS SECTION OFF FRAME (HINGED ROOF)	6. THIS STRUCTURE HAS E ON A SITE BUILT PERMA	
A7b	OPEN	BE MOVED ONCE SO ERE	
A7c	CROSS SECTION ON FRAME (HINGED ROOF)		C. C
A7d	CROSS SECTION GENERAL NOTES		
A7e	HINGE ROOF HOME INTERCONNECTIONS	Dreie	N CODEC
A7f	OPEN		N CODES
A8	OPEN	2007 FLORIDA RESIDENTIA	L CODE W/2009 SUPPLE
	ATTACHMENTS	2008 NEC	H DNIG CODE AND
HZ	AC CALCULATIONS	ENERGY EFFICIENCY-FL BU	
	ECTRICAL LOAD CALCULATIONS	RESIDENTIAL, CHAPTER	II W/APPENDIX G & 200
	USS CALCULATIONS	COMPONENTS	CLADDING VOLDS
	ORIDA PRODUCT APPROVAL LIST		cLADDING LOADS
	ORIDA ENERGY EFFICIENCY CODE FOR	ROOF	WALLS
	UILDING CONSTRUCTION	ZONE-1: 19.1 PSF	INTERIOR: 21.0 PSF
	CROLAM RIDGE BEAM & CLAC's	ZONE-2: 31.6 PSF ZONE-3: 48.3 PSF	CORNER: 26.8 PSF
	ORMER DETAILS		DB (I)-4
	TERNATE EYEBROW CONTRUCTION	WIND IMPORTANCE FACTO BUILDING CATEGORY=2	JK (1)=1
-AL	TEMPATE ETEDROSS CONTROCTION	BUILDING CATEGORY=2	

1. WHEN 26ga. STRAP IS CALLED FOR IN CALCULATION, USE SIMPSON CS-22 OR BETTER.

2. TRUSES IN PORCH AREA TO BE DESIGNED FOR PARTIALLY ENCLOSED OR EXPOSED STRUCTURE OR DOUBLED IN PORCH AREA.



• STATE LABEL

▲ DATA PLATE

ALABAMA OUT-OF-STATE LABEL

NOTES

- 1. ALL WINDOWS TO BE THERMOPANES.
- 2. ATTIC ACCESS OPENING 22"x30" Min.
- 3. FLAME SPREAD: INSULATION MATERIAL SHALL HAVE A FLAME SPREAD RATING OF NOT GREATER THAN 25, WALL AND CEILING FINISHES SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN 200 AND A SMOKE DENSITY RATING NOT GREATER THAN 450 (CLASS-C). THE FLAME SPREAD REQUIREMENTS DO NOT APPLY TO TRIM OR ORNAMENTAL MATERIALS. TESTING SHALL CONFORM TO ASTM-E84.
- 4. ALL EXHAUST FROM FANS TO BE RUN THROUGH DUCT TO THE OUTSIDE OF HOUSE AND TERMINATED IN A VENT CAP.
- 5. IF HOME IS PLACED ON SITE WHERE ANY WINDOW SILL IS LESS THAN 24" ABOVE FINISHED FLOOR AND 72" OR GREATER ABOVE THE EXTERIOR GRADE, A WINDOW GAURD MUST BE INSTALLED THAT COMPLIES WITH ASTM F2006 OR F2090.

6. THESE PLANS MAY BE FLIPPED END TO END, FRONT TO BACK OR ROTAED 180°.

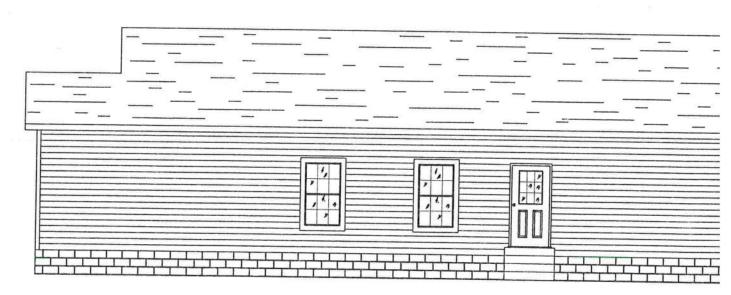
					ING.	N BUILD	ISTALLED I	IANCES IN	NG APPLI	BURNI	O FUEL I	
ED TRANSOM (TH	FIXE		6	3612				1000 010 51	*****	OTTELD		
L SLIDER W/MULL	VERTICAL	,	2	3040			VALLS	108" SIDEV	WALLS:	SHEAR		
L SLIDER W/MULL	VERTICAL	,	12	3662	ENGTH	MIN. LI	DRY-C	CATEGO	ENGTH	MIN. LI	Y-C	ATEGOR
					END	SIDE			END	SIDE	Н	100 MPI
D'	QUAN.		1	SYN			PLF	SW#1:	87"	32"	PLF	#1: 631
		244042000					PLF	SW#2:	75"	42"	PLF	#2: 489
INTERI	7	2668(30")		(A)			PLF	SW#3:	126"	42"	DIE	#3: 489
INTERI	1	3068(36")		(B)								
EXTERIO	1	3068(36")		(0)			PLF	SW#4:	N/A	N/A		#4: N/A
EXTERIO	1	3068(36")		D	119]-1,	K.E.22_[, SW-31.3	.K.E.22_[119]	SW-31.3	TION PER	STRUC	LF CONS
EXTERIOR RY	1	3063(36")		(E)								

SIZE QUAN.

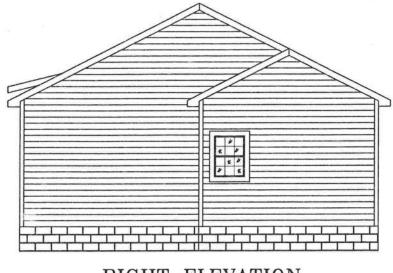
DESCRIPTION



FRONT ELEVATION



REAR ELEVATION

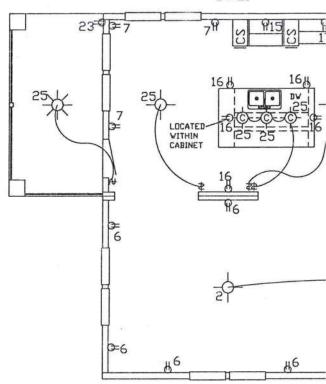


RIGHT ELEVATION



LEFT ELEVATION

RANGE:18/19 VF:25 DW:21



*12' MIN. TO SHELF

**LIGHT TO BE OF THE ENCLOSED

AND GASKETED TYPE, LISTED FOR
WET LOCATIONS.

NOTES:

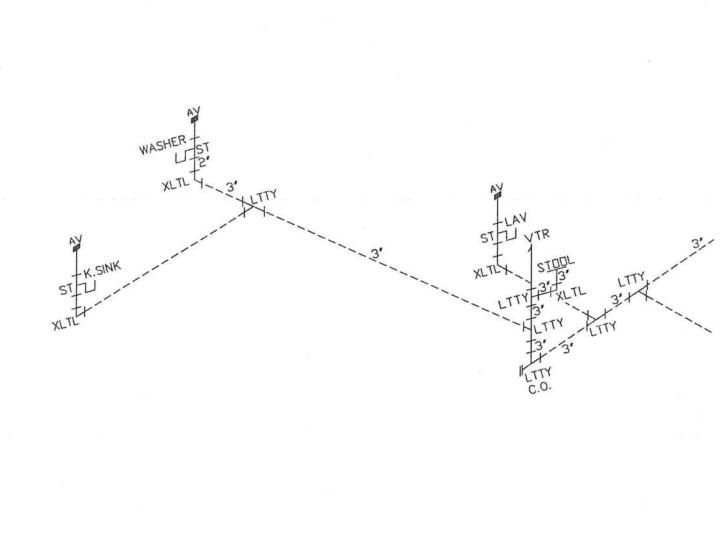
- 1. ALL 15 & 20 AMP RECEPTS ARE TO BE TAMPER RESISTANT.
- 2. ALL SMOKE ALARMS ARE TO BE INTERCONNECTED.
- 3. ALL SMOKE ALARMS SHALL BE PROVIDE WITH BOTH PRIMARY POWER FROM THE BUILDINGS WIRING AND SECONDARY POWER FROM A BATTERY BACK-UP.
- 4. MAIN BREAKER SIZE: 200 AMP.
- 5. SERVICE ENTRANCE CONDUCTOR: COPPER=2/0 ALUMINUM OR COPPER CLAD ALUM.=4/0

	LEGEND		
FLUORESCENT LIGHT	\$ SWITCH	CIRCUIT#	DESCRIE
1	<u></u>	1	RECEPS (
OVERHEAD GLOBE LIGHT	⊕ VENT FAN SYMBOL:	2	GENERAL LIGH
i	75 CFM VENTED TO OUTSIDE FOR BATHS 100 CFM VENTED TO OUTSIDE FOR KITCHEN	3	GENERAL LIGH
- RECESSED CAN LIGHT	2	4	RECEPS. (
	CEILING MOUNTED SMOKE ALARM	5	RECEPS. (
PB PANEL BOX	© CEILING MOUNTED CARBON	6	RECEPS. (
	MONOXIDE DETECTOR	7	DINE (A
THERMOSTAT LOCATION	EXTERIOR FLOOD LIGHT W/P	8/9	WATER HEA
V		10	WASH
EXTERIOR LIGHT W/P	(P.) PHONE JACK	11/12	DRYER
		13/14	FURNAC
Œ RECEPTACLE PLUG		15	REFER(SMA

1. ALUMINUM CONDUCTORS SHALL NOT BE USED. 38. PROF 2. DISTRIBUTION EQUIPMENT SHALL BE LOCATED A MINIMUM OF 24" ABOVE THE FLOOR LEVEL ALL ELE OF THE HOME. 39. ALL F 3. RECEPTACLE OUTLETS LOCATED IN COMPARTMENTS ACCESSIBLE FROM OUTDOORS SHALL BE AND PR PROVIDED WITH A GFCI PROTECTED OUTLET. 40. COM 4. EACH BASIN WITHIN A BATHROOM SHALL BE PROVIDED WITH A GFCI PROTECTED OUTLET AT WITHT COUNTERTOP AREA. THIS OUTLET SHALL BE ON A SEPARATE 20 AMP. CIRCUIT. 41. EXIT 5. LIGHTING FIXTURES INSTALLED OVER A BATHTUB OR SHOWER SHALL BE OF THE ENCLOSED CONNE AND GASKETED TYPE, LISTED FOR WET AREA USE. 42. ALL E 6. EVERY APPLIANCE SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE REPAIR OR REPLACEMENT 43. PROV WITHOUT REMOVAL OF PERMANENT CONSTRUCTION. SERVIC 7. NONMETALLIC BOXES ARE USED WITH NONMETALLIC CABLE ONLY. 44. ALL F 8. NONMETALLIC CABLE IN STORAGE AREAS AND/OR LESS THAN 15" ABOVE THE FLOOR SHALL SUNRO BE PROTECTED FROM DAMAGE. 9. ELECTRICAL CABLES SHALL BE SECURED IN PLACE AT INTERVALS NOT EXCEEDING 4 1/2 FT. A LISTE AND WITHIN 12" FROM EVERY CABINET BOX OR FITTING. 45. REOU 10. ELECTRICAL CABLES LESS THAN 1 1/4" FROM ANY SURFACE OF WOOD FRAMING MEMBERS THE OVI IT PASSES THROUGH SHALL BE PROTECTED WITH A STEEL DEVICE OF 16 ga. THICKNESS IN 46. ALL 1 IN WALL STUDS 3 1/2" AND LARGER OR USE A CABLE STACKER ON WALL STUDS LESS 47. A WA THAN 3 1/2". **ADDITI** 11. METALLIC FACE PLATES SHALL BE EFFECTIVELY GROUNDED. PLACEN 12. APPLIANCES CONNECTED BY METAL-CLAD CABLE OR FLEXIBLE CONDUIT SHALL HAVE AT LEAST 48. A MII 3' OF FREE CABLE OR CONDUIT TO PERMIT MOVING THE APPLIANCE. SEE PLA 13. TYPE "NM" OR TYPE "SE" CABLE SHALL NOT BE USED TO CONNECT A RANGE OR DRYER DIRECTLY BUT CAN BE USED TO A JUNCTION BOX OR RECEPTACLE FOR RANGE OR DRYER. 14. SWITCHES SHALL BE ADEQUATELY RATED FOR LOAD CONTROL. 15. AT LEAST 6" OF FREE CONDUCTOR, MEASURED FROM THE FACE OF THE OUTLET BOX, SHALL BE LEFT AT EACH OUTLET BOX UNLESS CONDUCTORS LOOP WITHOUT JOINTS. **BECAUS** 16. EXPOSED WIRING OUTSIDE THE HOME SHALL BE IN CONDUIT. 17. OUTLET BOXES SHALL FIT CLOSELY TO OPENINGS AND SHALL BE FLUSH WITH THE SURFACE. A QUAL 18. GROUNDING OF ALL ELECTRICAL AND NON-ELECTRICAL METAL PARTS SHALL BE THROUGH A CONNECTION TO THE GROUNDING BUS IN THE MAIN DISTRIBUTION PANEL. EACH U 19. THE GREEN COLORED WIRE IN THE SUPPLY CORD OR FEEDER WIRING SHALL BE CONNECTED FLOOR. TO THE GROUNDING BUS IN THE MAIN DISTRIBUTION PANEL. FOR RAI 20. OUTDOOR ELECTRICAL FIXTURES AND EQUIPMENT SHALL BE LISTED FOR OUTDOOR USE. CONNEC OUTDOOR RECEPTACLES SHALL BE OF A GASKETED TYPE AND GFCI PROTECTED. WET LOCATION EXTERIOR GFCI RECEPTACLES SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WITH THE SOME H ATTACHMENT PLUG CAP INSERTED OR REMOVED. INSTRU 21. ARRANGEMENTS SHALL BE MADE TO ASSURE THAT THE COLOR CODING MATERIALS ARE NOT OBLITERATED BY PAINTING. 22. AT LEAST TWO (2) EXTERIOR RECEPTACLES, APPROVED FOR SUCH USE, SHALL BE INSTALLED ALL ELE ON THE EXTERIOR OF THE HOMEACCESIBLE AT GRADE LEVEL. ONE (1) ON THE FRONT DOOR SIDE AND ONE (1) ON THE REAR DOOR SIDE (OPPOSITE LONG WALL SIDE). AN ADDITIONAL EXTERIOR RECEPTACLE SHAAL BE INSTALLED WITHIN THE PERIMETER OF ALL BALCONIES, DECKS, OR PORCHES GREATER THAN 20 Sq.Ft. IN AREA THAT ARE ACCESSIBLE FROM INSIDE THE DWELLING UNIT (THIS ADDITIONAL RECEPTACLE SHALL BE PROVIDED AND INSTALLED BY OTHERS ON SITE). 23. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, FITTINGS AND OTHER EQUIPMENT SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY AND SHALL BE CONNECTED IN AN APPROVED MANNER WHEN IN SERVICE. 24. EACH STRAP OR YOKE CONTAINING ONE OR MORE DEVICE MUST BE COUNTED AS (2) CONDUCTORS FOR BOX FILL. 25. ALL KITCHEN COUNTERTOP RECEPTACLES SHALL BE GFCI PROTECTED AND CANNOT BE SPACED MORE THAN 48" O.C., DANGI 26. EXTERIOR GFCI RECEPTACLES SHALL BE SUPPLIED BY AN ADJACENT LIGHTING CIRCUIT. 27. NO WIRING IS TO BE INSTALLED IN THE RETURN AIR PLENUMS. 28. ELECTRICAL TYPE HEATING ELEMENTS ARE TO BE SUBDIVIDED WITHIN THE UNIT SUCH THAT EACH SUBDIVIDED LOAD DOES NOT EXCEED 48 AMPS. 29. BOXES USED AT LUMINAIRES OUTLETS IN CEILINGS SHALL BE DESIGNED FOR THAT PURPOSE AND REQUIRED TO SUPPORT A MIN. OF 50 Lbs.. BOXES USED AT LUMINAIRE OUTLETS IN A WALL SHALL BE DESIGNED FOR THAT PURPOSE AND MARKED ON INTERIOR TO INDICATE THE MAX. WEIGHT THAT IS PERMITTED IF OTHER THAN 50 Lbs.. A WALL MOUNTED LUMINAIRE WEIGHING NOT MORE THAN 6 Lbs. MAT BE SUPPORTED ON OTHER BOXES OR PLASTER RINGS. 30. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANT WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING. 31. SERVICE EQUIPMENT SHALL BE SUITABLE FOR THE SHORT CIRCUIT (FAULT) CURRENT AVAILABLE AT ITS SUPPLY TERMINALS. SECTION ALL RECEPTACLES TO BE OF THE GROUNDING TYPE. 33. ALL WIRING TO BE PER 2008 NEC W/TYPE "NM" ROMEX (CU) W/GROUND. 34. MAIN PANEL TO BE MARKED "SUITABLE FOR USE AS SERVICE EQUIPMENT" AND BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT PROTECTION. 30" WIDE x 36" DEEP CLEAR WORKING MAT SPACE SHALL BE PROVIDED IN FRONT OF THE ELECTRICAL PANEL. 35, PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTOR:

36. DISCONNECTING MEANS TO BE LOCATED WITHIN SIGHT FOR ALL MOTORS.

37. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS. ALL EXTERIOR RECEPTACLE DEVICES SHALL BE LISTED AND LABELED AS WEATHER RESISTANT (WR).

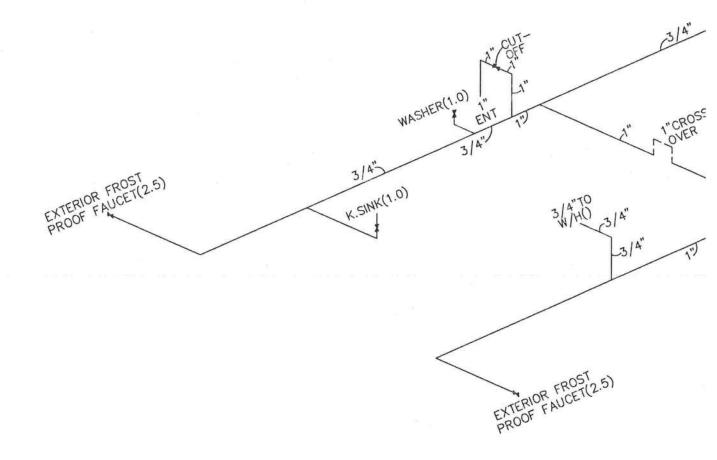


FIXTURF UNITS PER TABLE P2903.6
(2)FULL BATH GROUPS: 3.0-HOT, 5.4-COLD, 7.2-COMBINED KITCHEN GROUP: 1.9-HOT, 1.0-COLD, 2.5-COMBINED LAUNDRY GROUP: 1.0-HOT, 1.0-COLD, 1.4-COMBINED WATER HEATER: 7.9-COLD

HOSE BIBB: 10.0-COLD

TOTAL FIXTURE UNITS ON COLD WATER SUPPLY: 19.9 TOTAL FIXTURE UNITS ON HOT WATER SUPPLY: 7.9 TOTAL FIXTURE UNITS (INLET): 27.8

MAXIMUM FIXTURE UNITS ON A SUPPLY LINE
PER TABLE P2903.6 FOR 50-60 PSI AND 60' MAXIMUM ALLOWABLE LENGTH
1/2"=3
3/4"=9.5
1"=32
1 1/4"=80



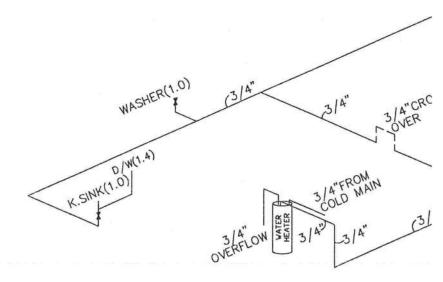
SUPPLY LINE NOTES:

- 1. ALL PIPE 1/2"Ø UNLESS NOTED.
- 2. CUT OFF FOR ALL WATER TO HOME.
- 3. WATER HEATER IS A 40 Gal. Min., 80 Gal. Max ELECTRIC.
- 4. REFERENCE SHT-A4c FOR PLUMBING GENERAL NOTES.
- 5.---- FIELD INSTALLED PLUMBING.

FIXTURE UNITS PER TABLE P2903.6
(2)FULL BATH GROUPS: 3.0-HOT, 5.4-COLD, 7.2-COMBINED KITCHEN GROUP: 1.9-HOT, 1.0-COLD, 2.5-COMBINED LAUNDRY GROUP: 1.0-HOT, 1.0-COLD, 1.4-COMBINED WATER HEATER: 7.9-COLD HOSE BIBB: 10.0-COLD

TOTAL FIXTURE UNITS ON COLD WATER SUPPLY: 19.9 TOTAL FIXTURE UNITS ON HOT WATER SUPPLY: 7.9 TOTAL FIXTURE UNITS (INLET): 27.8

MAXIMUM FIXTURE UNITS ON A SUPPLY LINE
PER TABLE P2903.6 FOR 50-60 PSI AND 60' MAXIMUM ALLOWABLE LENGTH
1/2"=3
3/4"=9.5
1"=32
1 1/4"=80



SUPPLY LINE NOTES:

- 1. ALL PIPE 1/2"Ø UNLESS NOTED.
- 2. CUT-OFF FOR ALL WATER TO HOME.
- 3. WATER HEATER IS A 40 Gal. Min., 80 Gal. Max ELECTRIC.
- 4. REFERENCE SHT-A4c FOR PLUMBING GENERAL NOTES.
- 5.---- FIELD INSTALLED PLUMBING.

1. ALL PLUMBING MATERIALS, DEVICES, FIXTURES, FITTING, EQUIPMENT, APPLIANCES AND ACCESSORIES INSTALLED SHALL BE LISTED OR CERTIFIED BY AN APPROVED LISTING AGENCY (NSF, LAPMO, GPT, ETC...) OR SHALL BE SPECIFICALLY APPROVED. 2. ALL VALVES, PIPES AND FITTINGS SHALL BE INSTALLED IN CORRECT RELATIONSHIP TO THE DIRECTION OF FLOW. 3. ALL PIPING, PIPE THREADS, HANGERS AND SUPPORTS WHICH ARE EXPOSED TO THE WEATHER, WATER, MUD AND/OR ROAD DAMAGE SHALL BE ADEQUATELY PROTECTED FROM DETERIORATION AND/OR DAMAGE DURING TRANSIT. 4. ALL EXTERIOR OPENINGS AROUND PIPING AND EQUIPMENT SHALL BE SEALED TO RESIST THE ENTRANCE OF RODENTS. FIRE BLOCKING SHALL BE PROVIDED AT OPENINGS AROUND VENTS, PIPES AND DUCTS AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. 5. PLUMBING, PIPING AND ELECTRICAL WIRING SHALL NOT PASS THROUGH THE SAME HOLES IN WALLS, FLOORS OR ROOFS. 6. PLASTIC PIPING SHALL NOT BE EXPOSED TO HEAT IN EXCESS OF MANUFACTURERS RECOMMENDATION OR RADIATION FROM HEAT PRODUCING APPLIANCES. 7. TWO LAVATORIES CONNECTED WITH CONTINUOUS WASTE CONNECTED TO ONE "P" TRAP SHALL HAVE THEIR WASTE OUTLETS NOT MORE THAN 30 INCHES APART. 8. EACH "P" TRAP SHALL HAVE WATER SEAL OF NOT LESS THAN 2 INCHES AND NOT MORE 4 INCHES AND SHALL BE SET TRUE TO ITS SEAL. 9. FIXTURE TAILPIECES SHALL NOT EXCEED 24 INCHES IN LENGTH. 10. TRAP ARMS SHALL BE GRADED 1/4 INCH PER FOOT TOWARDS VENT AND SHALL NOT HAVE A SLOPE GREATER THAN ITS DIAMETER. 11. TRAPS SHALL BE ACCESSIBLE FOR REPAIR AND INSPECTION AND SHALL BE DESIGNED AND INSTALLED SO THE U BEND IS REMOVABLE. 12. CLEAN OUTS SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY ARE CONNECTED TO UP TO 4" (102 mm). FOR PIPES LARGER THAN 4" (102 mm) NOMINAL SIZE, THE MINIMUM SIZE OF THE CLEAN OUT SHALL BE 4" (102 mm). 13. CLEAN OUTS ON 6" (153 mm) ANS SMALLER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 18" (457 mm) FOR RODDING. CLEAN OUTS ON 8" (203 mm) AND LARGER PIPES SHALL GBE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 36" (914 mm) FOR RODDING. 14. WATER CLOSET FLOOR FLANGE SECUREMENT TO THE FLOOR SHALL BE MADE USING CORROSION RESISTANT SCREWS AND THE TOILET SHALL BE SECURED TO THE FLANGE USING BOLTS MADE OF OF BRASS OR OTHER CORROSION RESISTANT MATERIAL. 15. THE WALLS OF SHOWER COMPARTMENT SHALL BE CONSTRUCTED OF SMOOTH, NON-CORROSIVE AND NONABSORBENT WATERPROOF MATERIALS TO HEIGHT NOT LESS THAN 6 FEET ABOVE BATHROOM FLOOR LEVEL. SUCH WALLS SHALL FORM A WATER TIGHT JOINT WITH EACH OTHER AND WITH THE BATHTUB, RECEPTOR OR SHOWER FLOOR. 16. CLOTHES WASHING MACHINE STANDPIPE SHALL EXTEND NOT LESS THAN 18 INCHES OR MORE THAN 42 INCHES ABOVE ITS "P" TRAP. 17. EACH PLUMBING FIXTURE AND STANDPIPE RECEPTOR SHALL BE LOCATED AND INSTALLED IN A MANNER TO BE ACCESSIBLE FOR USAGE, CLEANING, REPAIR AND REPLACEMENT. 18. FIXTURES SHALL BE SET LEVEL AND IN TRUE ALIGNMENT WITH ADJACENT WALLS AND WHERE PRACTICAL PIPING FROM FIXTURES SHALL EXTEND TO NEAREST WALL. 19. WALL HUNG FIXTURES SHALL BE RIGIDLY ATTACHED TO WALLS BY METAL BRACKETS OR SUPPORTS WITHOUT ANY STRAIN BEING TRANSMITTED TO THE PIPING CONNECTION. 20. FLUSH TANKS SHALL BE SECURELY FASTENED TO TOILETS WITH CORROSION-RESISTANT MATERIALS. 21. BATHTUB RIMS AT WALL SHALL BE SUPPORTED ON METAL HANGERS OR ON WOOD BLOCKING ATTACHED TO THE WALL UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER OF THE TUB. 22. PIPING SHALL BE INSTALLED WITHOUT UNDUE STRAIN AND STRESS WITH PROVISION FOR EXPANSION, CONTRACTION AND STRUCTURAL SETTLEMENT. 23. ABS OR PVC PIPING SHALL BE SUPPORTED AT 4 FOOT INTERVALS UNLESS OTHERWISE STATED IN THE APPLICABLE MATERIAL STANDARDS OR BY THE PIPING MANUFACTURER. 24. THE OUTLETS OF FAUCETS, SPOUTS AND SIMILAR DEVICES SHALL BE SPACED AT LEAST 1 INCH ABOVE THE FLOOD LEVEL OF THE FIXTURE. 25. FLUSH TANKS SHALL BE EQUIPPED WITH AN APPROVED OR LISTED ANTI SIPHON BALL COCK INSTALLED AND MAINTAINED WITH ITS OUTLET OR CRITICAL LEVEL MARK NOT LESS THAN 1 INCH ABOVE THE FULL OPENING OF THE OVERFLOW PIPE. 26. PIPE JOINT COMPOUNDS SHALL BE APPLIED TO MALE THREADS ONLY. 27. LINE VALVES WHICH CONTROL THE WATER FLOW TO MORE THAN ONE FIXTURE SHALL HAVE A CROSS-SECTIONAL AREA OF AT LEAST EQUAL TO THAT OF THE PIPING WHEN FULLY OPENED. 28. VENT PIPES SHALL EXTEND THROUGH THEIR FLASHING AND TERMINATE VERTICALLY NOT LESS THAN 6 INCHES (MIN.) ABOVE THE ROOF AT THE HIGHEST POINT. 29. VENT CAPS, IF APPROVED, SHALL BE OF THE REMOVABLE TYPE WITHOUT REMOVING THE FLASHING FROM THE ROOF. 30. ALL HOMES EQUIPPED WITH HOSE BIBS SHALL BE SUPPLIED WITH APPROPRIATE BACK FLOW PREVENTION DEVICES ON EACH HOSE BIB. APPROPRIATE BACK FLOW PREVENTION DEVICES SHALL INCLUDE THREADED DEVICES WHICH CONNECT THE OUTLET AS WELL AS INLINE DEVICES. 31. DIELECTRIC FITTINGS OR OTHER APPROPRIATE MATERIALS SHALL BE USED WHEN DISSIMILAR 32. EACH HOME SHALL HAVE A 3 INCH MAIN VENT EXTENDING THROUGH AND TERMINATING 6 INCHES (MIN.) ABOVE THE ROOF AT THE HIGHEST POINT.

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WATER SUPPLY CONNECTIONS

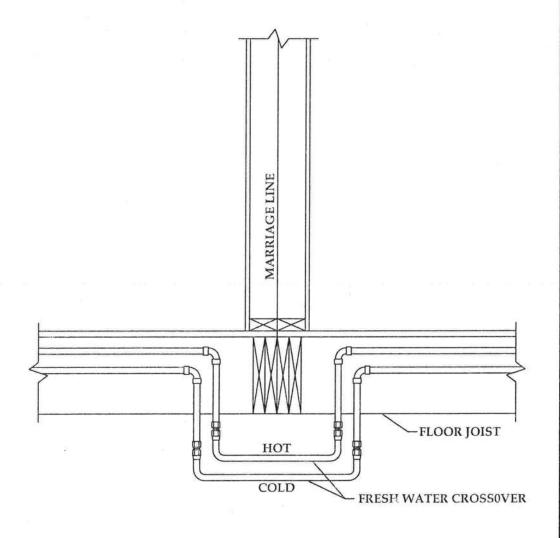
FRESH WATER CROSSOVER CONNECTION UNDER FLOOR

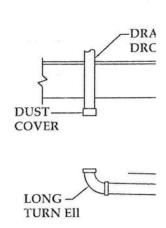
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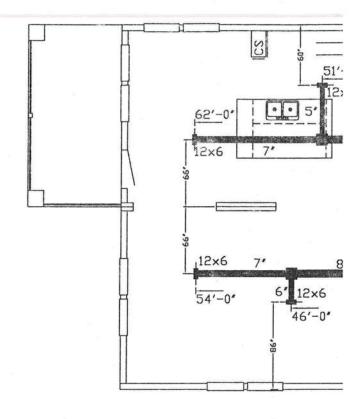
- 1. WATER LINES TO BE CAPPED OR PLUGGED WHEN NOT CONNECTED.
- CONNECT WATER LINES, HOT TO HOT, COLD TO COLD. HOT WATER LINES ARE COLOR CODED FOR IDENTIFICATION.
- 3. TO PROTECT WATER LINES FROM FREEZING, WRAP LINE IN INSULATION (Min. R7) INSULATION. WRAP INSULATION IN PLASTIC OR SIMPLEX TO PROTECT INSULATION.
- 4. ALL FIELD CONNECTIONS MUST BE TESTED FOR LEAKS AFTER COMPLETION.
- 1. REMOVE SHIPPING C AND FITTINGS AND C 2. USING THE DRAIN SC SYSTEM STARTING A' WORKING TOWARDS SUPPORT THE PIPING
- LEVEL. WHERE A SLO PER FOOT AND INSTA 3. CONNECT THE MAIN

DIAGRAM, PROVIDE

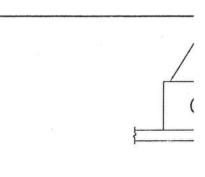
- 4. INSTALL PERMANEN
- 5. REPLACE ALL INSULA
- SYSTEM ARE WELL IN 6. ALL FIELD CONNECT.



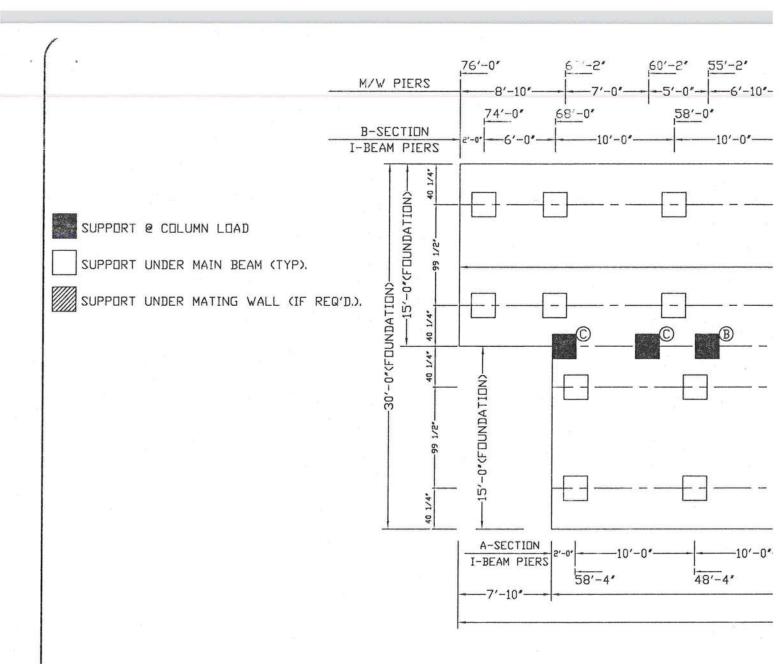




- 1. ALL APPLIANCES ARE TO BE LISTED.
- 2. .016 METAL REGISTERS W/ALUM. RISER AND 3/4" FIBERGLASS REGISTER BOX (TYP).
- 3. ALL FLEX DUCT INSULATED R-8 (TYP).
- 4. CROSS OVER DUCT 12" FLEX, INSULATED TO R-8 (FIELD INSTALLED)
- 5. PRIMARY RETURN PROVIDED BY METAL LOUVERED DOOR AT FURNACE.
- 6. ALL INTERIOR DOORS, EXCEPT CLOSETS AND SECONDARY BATHROOMS WILL HAVE A 24"x4" RETURN AIR GRILL PROVIDED IN THEM. THIS 24"x4" GRILL MANUFACTURED BY CARPATHIAN INDUSTRIES PROVIDES 70 Sq. In.. OF FREE AIR WHICH WILL ACCOMMODATE A ROOM AREA UP TO 350 Sq. Ft... ANY ROOM OR COMBINATION OF ROOMS GREATER THAN 350 Sq. Ft.. WILL HAVE AN INDICATION OF "RAG" ON THE SUBMITTED FLOOR PLAN INDICATING ADDITIONAL RETURN AIR PROVISIONS SHALL BE PROVIDED.
- 7. WHEN A FURNACE OR AIR-HANDLER IS INSTALLED IN THE UTILITY ROOM WHICH IS PROVIDED WITH A DOOR, THE UTILITY ROOM DOOR SHALL BE PROVIDED WITH A "RAG" SATISFYING THE RETURN AIR REQUIREMENTS OF THE FURNACE/AIR-HANDLER.
- 8. DUCT INSULATION: ALL PORTIONS OF THE AIR DISTRIBUTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION M1601 AND BE INSULATED TO AN INSTALLED R-5 WHEN THE SYSTEM COMPONENTS ARE LOCATED WITHIN THE BUILDING, BUT OUTSIDE THE OF CONDITIONED SPACE, AND R-8 WHEN LOCATED OUTSIDE OF THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, AT-LEAST R-8 SHALL BE APPLIED BETWEEN THE DUCT AND THAT PORTION OF THE ASSEMBLY FURTHEST FROM CONDITIONED SPACE.
- 9. FURNACE TO BE A NORDYNE, E3EB-O20H.
- 10. PORTIONS OF THE FLOOR PLAN HAVE BEEN REMOVED FOR CLARITY.
- 11. AIR TO BE PROVIDED BY OTHERS.



- ONE SIDE OF THE CROSS-ON THE FACTORY. AN ADEQUA' THE CROSS-OVER PROCESS.
- 2. ACCESS THE CROSS-OVER L TEMPORARY SHIPPING PRO1
- 3. USING THE PROVIDED FLEX SHOWN IN THE DETAIL ABO POSSIBLE. THE DUCT MUST
- 4. AT EACH CONNECTION POI LINER WITH A NYLON STRAI
- INSULATION AND OUTER LII 5. REINSTALL AND SECURE TH



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BUILDING CODE INFORMATION: IRC (2006), ASCE 7-05

BUILDING SITE INFORMATION:

MAXIMUM WIND SPEED & EXPOSURE: 100 MPH, EXPOSURE- C

MINIMUM SOIL BEARING CAPACITY: 2000

MAXIMUM GROUND SNOW(S): 20 PSF

SEISMIC DESIGN CATEGORY: C

DESIGN SPECTRAL RESPONSE (Sps): 0.50

SEISMIC SOIL SITE CLASS: D

HOMES INFORMATION: UNIT WIDTH: 30'-0"

MAX. UNIT LENGTH: 76'-0"

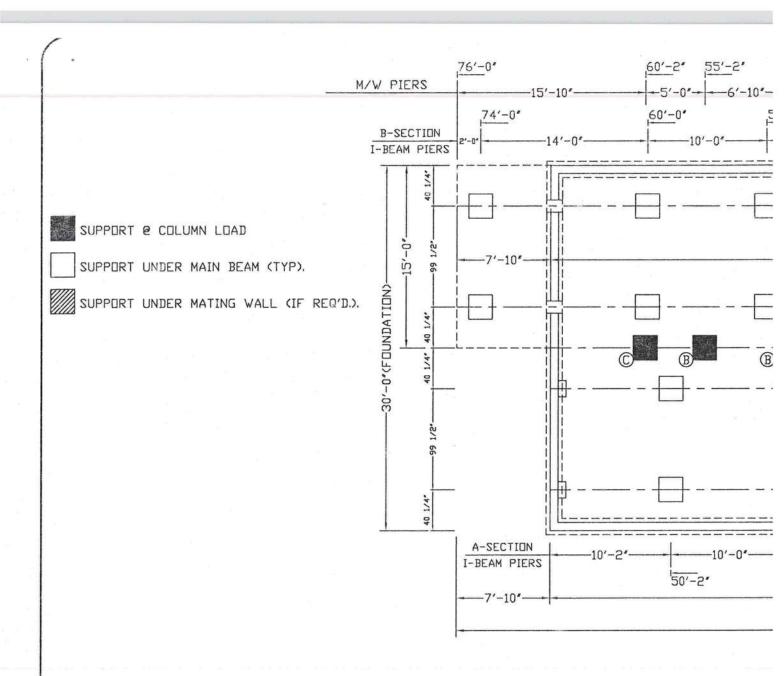
ROOF PITCH: 6/12

DESIGN LOADS: 40 PSF FL. LL., 7 PSF T.C. 8 PSF FL. DL. & 10 PSF l

MAX. SIDEWALL HEIGHT: 108" INCHES TOTAL MATING WALL RIM JOIST BEAM RIM JOIST SPLICES: 5"x8" MITEK M20 ME

CHASSIS BEAM:12"x10.8plf

DESIGN TYPE: PIER SET (FRAME TIED) FO



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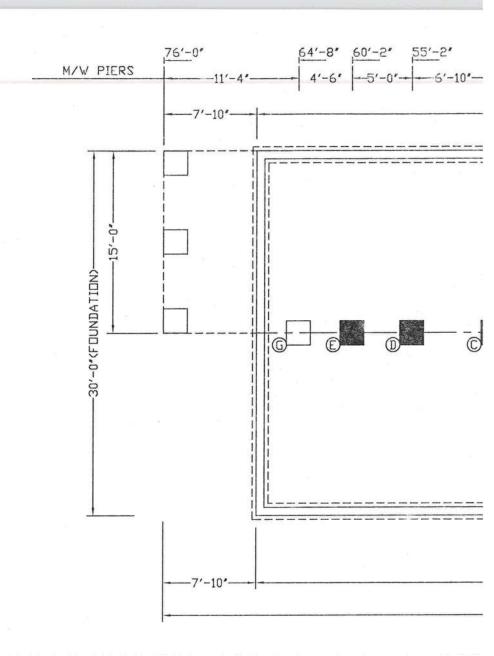
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MAX. UNIT LENGTH: 76'-0"
ROOF PITCH: 6/12
DESIGN LOADS: 40 PSF FL. LL., 7 PSF T.C.I
8 PSF FL. DL. & 10 PSF F
MAX. SIDEWALL HEIGHT: 108" INCHES
TOTAL MATING WALL RIM JOIST BEAM
RIM JOIST SPLICES: 5"x8" MITEK M20 ME
CHASSIS BEAM: 12"x10.8plf
DESIGN TYPE: ON FRAME CRAWL SPACI



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ROOF PITCH: 6/12

DESIGN LOADS: 40 PSF FL. LL., 7 PSF T.C.D.L., 8 PSF B.C.D.L.,

13 PSF FL. DL. & 10 PSF B.C.L.L.

MAX. SIDEWALL HEIGHT: 108 INCHES

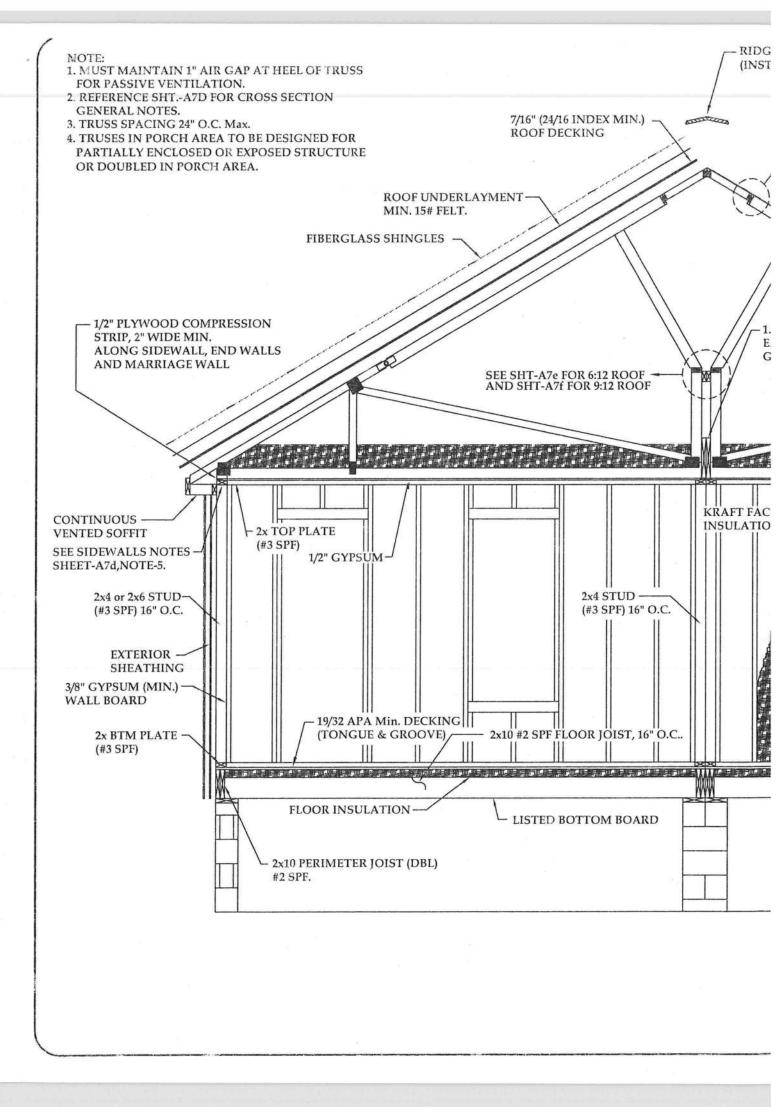
TOTAL MATING WALL RIM JOIST BEAMS: (4) 2×10 #2 SPF

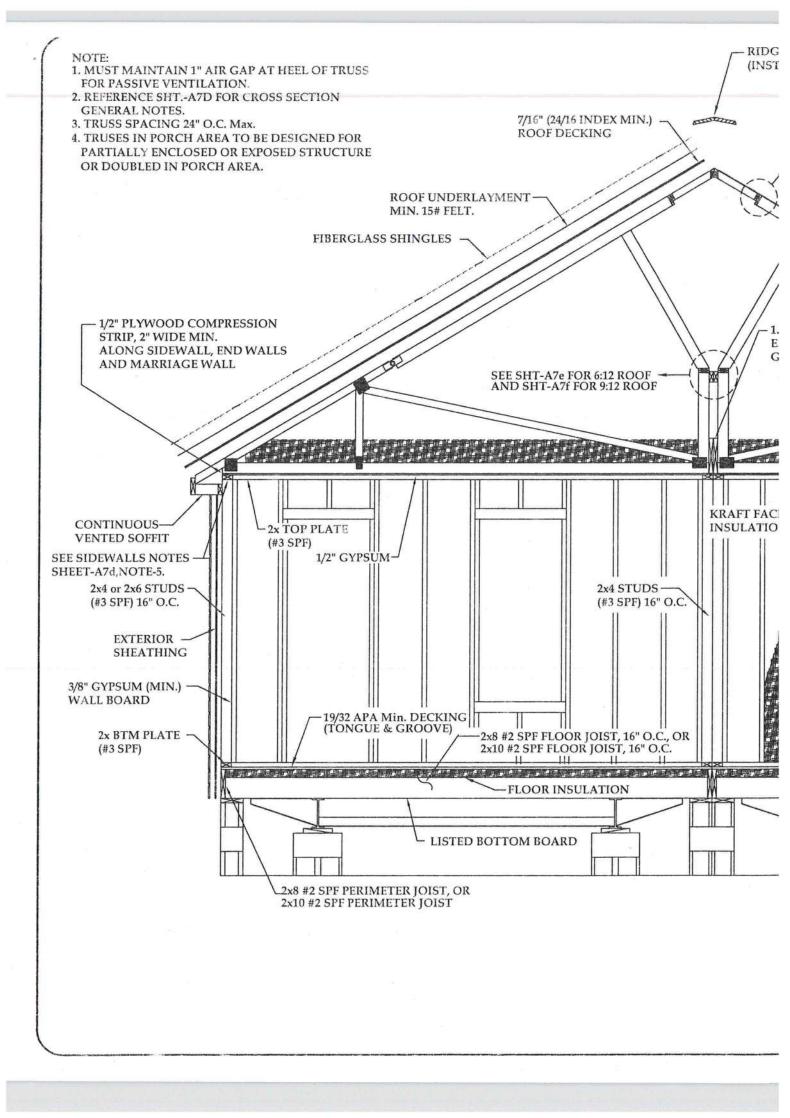
RIM JOIST SPLICES: 5"x8" MITEK M20 METAL PLATES EACH SIDE

CHASSIS BEAM:12"x10.8plf

DESIGN TYPE: OFF FRAME BASEMENT & CRAWL SPACE FOUNDATION

SUPPORT @ COLUMN LOA	D
SUPPORT UNDER CLEAR	SPAN
SUPPORT UNDER MATING	WALL





GENERAL NOTES

- EXTERIOR SIDING WILL COMPLY WITH ASTM D3679 AND IS LIMITED TO TYPE V CONSTRUCTION.
- 2. TRUSSES/REFTERS TO BE ENGINEERED FOR THE LISTED LOADS AND APPLICATIONS USED.
- 3. INTERIOR PARTITIONS TO BE CONSTRUCTED TO WITHSTAND "5" PSF HORIZONTAL LOAD.
- 4. ALL LUMBER TO BE GRADED AND MARKED.
- 5. WOOD TO WOOD CONTACT TO OCCUR AT ALL ROOF TO BEARING WALL LOCATIONS. COMPRESSION STRIP MUST BE 1/2 THE WALL PLATE WIDTH, FOR 2x4 WALL 1 3/4" MIN., FOR 2x6 WALL 2 3/4" MIN..
- DADO AND NOTCHING ARE NOT TO OCCUR IN THE CENTER 1/3 OF THE LENGTH OF THE WALL STUDS.
- 7. ALL PLYWOOD USED FOR STRUCTURAL APPLICATIONS WILL COMPLY WITH PRODUCT STANDARD PSI.
- 8. ALL LUMBER AND PLYWOOD TWO (2) INCHES AND LESS IN THICKNESS WILL HAVE A MOISTURE CONTENT NOT EXCEEDING 19%.
- 9. RIM JOIST AND ANY BLOCKING TO BE #2 SPF EQUAL OR BETTER, SAME SIZE AND GRADE AS FLOOR JOIST, UNLESS NOTED OTHERWISE.
- 10. ONE (1) JOIST IN A GIVEN LOCATION MAY BE MOVED UP TO (3) INCHES MAX. FOR OBSTRUCTIONS (I.E. PLUMBING DROPS, HEAT REGISTERS AND PLENUM DROPS.
- 11. 2x10 FLOOR SYSTEMS DO NOT REQUIRE BLOCKING OR BRIDGING. FRONT AND REAR JOIST ARE STABILIZED BY THE DECKING.
- 12. HOLES BORED IN THE JOIST SHALL HAVE A DIAMETER NOT EXCEEDING 1/3 OF THE DEPTH AND CANNOT BE WITHIN (2) INCHES OF THE TOP OR BOTTOM EDGE.
- 13. NOTCHES IN THE JOIST SHALL NOT EXCEED 1/6 OF THE DEPTH OF THE JOIST AND THE WIDTH OF THE NOTCH CANNOT EXCEED 1/3 OF THE DEPTH OF THE JOIST. NOTCHES SHALL NOT OCCUR IN THE CENTER 1/3 OF THE JOIST.
- 14. KRAFT FACED INSULATION STAPLED TO WIDE FACE OF THE STUD WITH STAPLES ALONG EACH SIDE OF BATT, WITH VAPOR BARRIER TO BE VINYL COVERING ON THE CYPSUM OF A PAINT PATED AT LESS THAN I DEPM. ON FINISHED SHEETED
- ON THE GYPSUM OR A PAINT RATED AT LESS THAN 1 PERM, ON FINISHED SHEETROCK. 15. INTERIOR FINISH:
- a) 3/8" GYPSUM: FASTEN WITH 13ga., 1 3/8" LONG, 19/64" HEAD; 0.098Ø,
- 1 1/4" LONG, ANNULAR-RINGED; OR 4d COOLER NAIL, 0.080"Ø, 1 3/8" LONG, 7/32" HEAD.
- b) 1/2" GYPSUM: FASTEN WITH 13ga., 1 3/8" LONG, 19/64" HEAD; 0.098"Ø,
- 1 1/4" LONG, ANNULAR-RINGED, OR 5d COOLER NAIL, 0.086"Ø, 1 5/8" LONG,
- 15/64" HEAD, OR GYPSUM BOARD NAIL, 0.086"Ø, 1 5/8" LONG, 9/32" HEAD.
- c) SPACING
- WITHOUT ADHESIVE, SCREWS: 16" O.C., NAIL: 8" O.C..
- WITH ADHESIVE, SCREW: 24" O.C., NAILS: 16" O.C.
- 16. WALL BRACING (SHEATHING):
- 3/8" STRUCTURALLY RATED SHEATHING FASTENED WITH 7/16"x1 3/8",
- 6" O.C. ALONG EDGES AND IN THE FIELD.
- 17. 3"x6"x.036" GALV. STEEL PLATE WITH (6) 8d NAILS AT EACH WALL SEGMENT. REF:EW-10.0 NOTE-9 OF THE Q.C. MANUAL.

SIDE WALLS:

100 M.P.H. EXPOSURE-C:

108"-SIDEWALLS:

2x4 #3 SPF STUDS, 16" O.C.

