

DATE 01/26/2004

Columbia County Building Permit**PERMIT**

This Permit Expires One Year From the Date of Issue

000021446

APPLICANT DAVID SHIPES PHONE 904 838-5628

ADDRESS 450 GEORGE MOSLEY ROAD JACKSONVILLE FL 32234

OWNER DAVID & JENNIFER SHIPES PHONE 904 838-5628

ADDRESS 226 NE COWHORN ROAD LAKE CITY FL 32055

CONTRACTOR OWNER BUILDER PHONE _____

LOCATION OF PROPERTY 441N, TR ON RALPH REEN OAD, TDEADEND, TL ON COWHORN ROAD,
1ST ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 64000.00

HEATED FLOOR AREA 1280.00 TOTAL AREA 1280.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 19

Minimum Set Back Requirements: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX. D. U. 0 FLOOD ZONE Z-A DEVELOPMENT PERMIT NO. _____

PARCEL ID 16-3S-17-04955-000 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 21.80

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____

PRIVATE 03-1059-N BK JK

Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: ONE FOOT ABOVE PAVED, 2 FT ABOVE DIRT ROAD, NOC ON FILECheck # or Cash 1174**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____

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

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by _____ date/app. by _____ date/app. by _____

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____

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

Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by _____ date/app. by _____ date/app. by _____

M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 320.00 CERTIFICATION FEE \$ 6.40 SURCHARGE FEE \$ 6.40

MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____

FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 382.80

INSPECTORS OFFICE Mike Tedder CLERKS OFFICE CN

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Building Permit Application
Private Rd.
Culvert

21446

Application No. 0312-11

Date 12-02-03

Applicants Name & Address David M. Shipes Phone 904 838 5628
450 George Mosley Road Jax, FL 32234

Owners Name & Address David M. Shipes Phone 904 838 5628
450 George Mosley Road Jax, FL 32234

Fee Simple Owners Name & Address _____ Phone _____

Contractors Name & Address David M. Shipes Phone 904 838 5628
450 George Mosley Road Jax, FL 32234

Legal Description of Property 16-35-17 51000 21.84 acres aka Parcel Q of
Avery Roberts (see attached)

Location of Property Double Run S/D UNREC, COMM NE Corr, runs S (see attached)
Driving Directions 441 N to Ralph Green Rd, dead end take left, 1st right Avery Roberts S/D

Tax Parcel Identification No. 16-35-17-04955-000 Estimated Cost of Construction \$ 15,000

Type of Development dwelling one family home (SFD) Number of Existing Dwellings on Property 0

Comprehensive Plan Map Category A-3 Zoning Map Category A-3

Building Height _____ Number of Stories 1 Floor Area _____ Total Acreage in Development 21.84 ac

Distance From Property Lines (Set Backs) Front 1133' Side 262' Rear 402' Street 927

Flood Zone A Certification Date _____ Development Permit _____

Bonding Company Name & Address N/A

Architect/Engineer Name & Address Paul S. LT, P.E Design & Consulting 9116 Cypress Green Drive

Mortgage Lenders Name & Address N/A Suite 105

226 NE POWHAW RD

Application is hereby made to obtain a permit to do the 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 will be performed to meet the standards of all laws regulating construction in this jurisdiction.

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

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

David M. Shipes
Owner or Agent (including contractor)

owner Builder
Contractor

Contractor License Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ by _____

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ by _____

Personally Known _____ OR Produced Identification

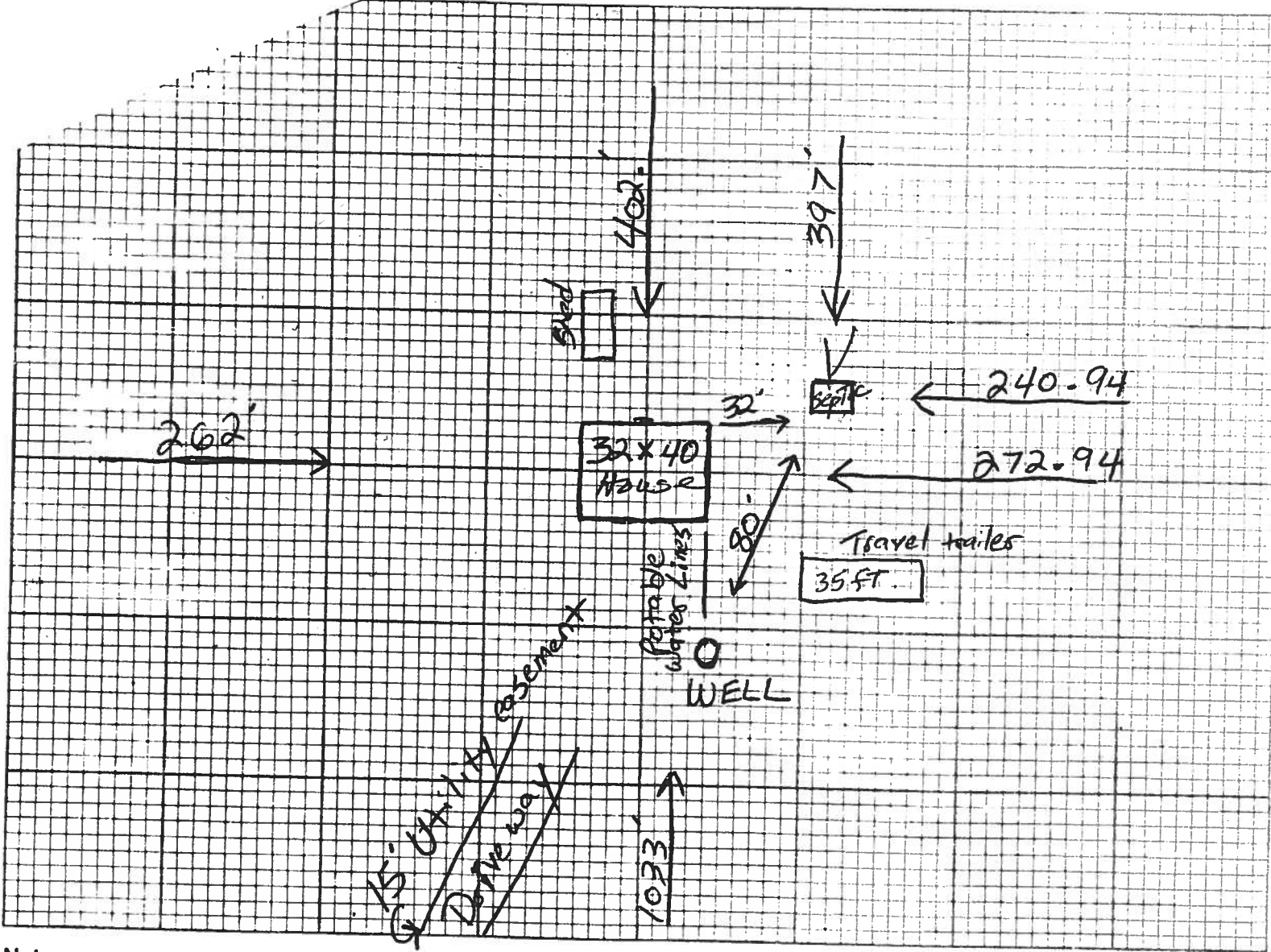
Personally Known _____ OR Produced Identification

HEALTH
SEWAGE SYSTEM CONSTRUCTION PERMIT

Permit Application Number 03-1059N

PART II - SITE PLAN

1 inch = 50 feet.



Notes:

Look at Large Site Plan enclosed!

Site Plan submitted by:

X D. M. S. / J. S.
Signature

Plan Approved

Not Approved

By

[Signature]

[Signature]

Title

Date 11-26-03

12-1-03

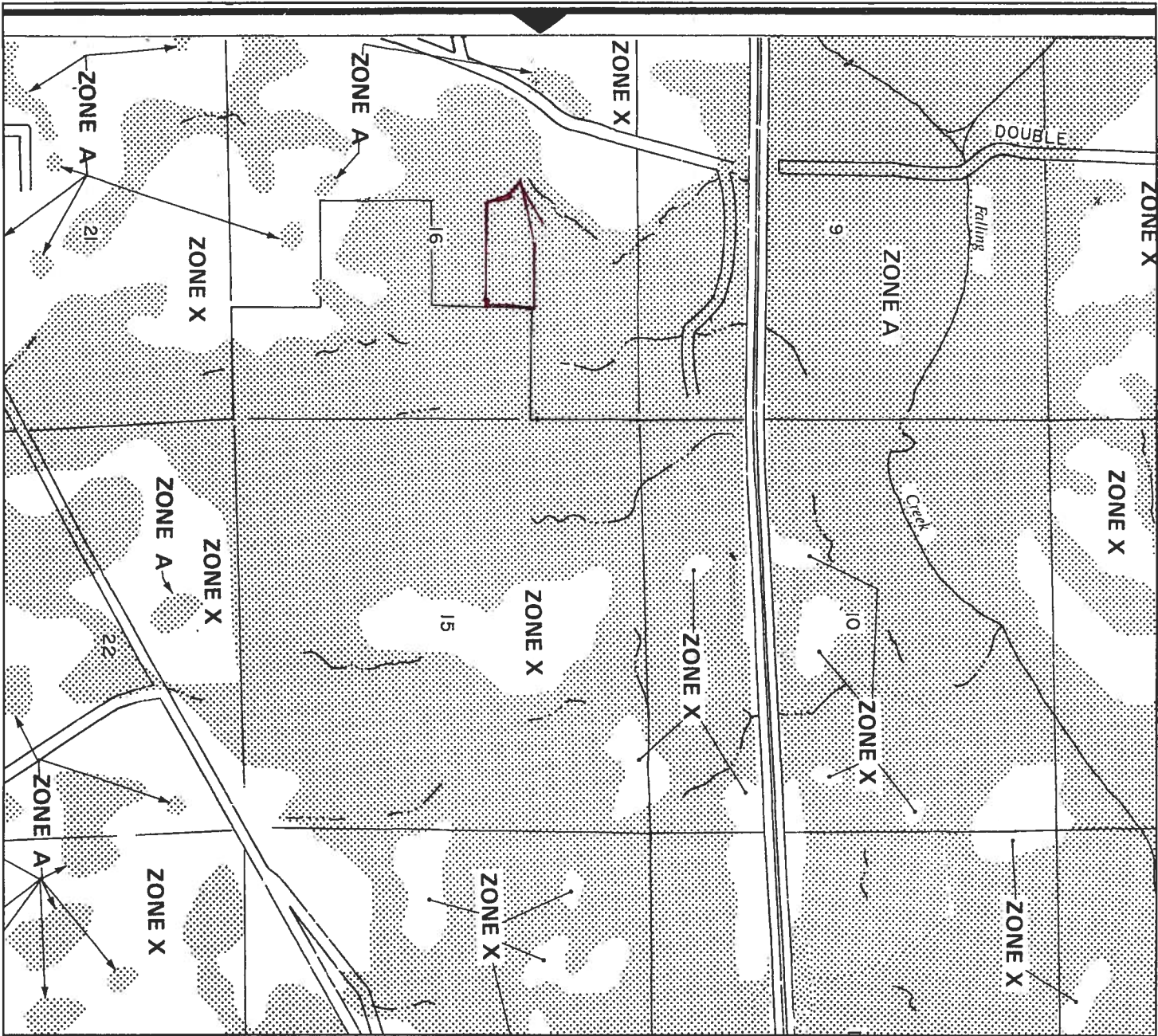
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

0312-11



APPROXIMATE SCALE IN FEET



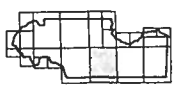
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 150 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0150 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nflisid.

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * 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 ISSUED: 11-26-03

ENHANCED 9-1-1 ADDRESS:

226 NE Cowhorn Rd (Lake City, FL 32055)

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: David + Jennifer Shipes.

OCCUPANT CURRENT MAILING ADDRESS: 450 George Mosley Rd.
Jacksonville, FL, 32234

PROPERTY APPRAISER MAP SHEET NUMBER: 123 B

PROPERTY APPRAISER PARCEL NUMBER: 16-35-17-04955-117

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

ADDRESSING DEPARTMENT ID#: _____
(Addressing Department Use Only, THIS IS NOT AN ADDRESS)

Remarks: Parcel A, Double Run SID

Address Issued By: 
Columbia County 9-1-1 Addressing Department

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **David Shipes Residence**
Address: **N.E. Cowhorn Glen**
City, State: **Lake City, FL 32055-**
Owner: **David Shipes**
Climate Zone: **North**

Builder: **David Shipes**
Permitting Office: **Columbia**
Permit Number: **21446**
Jurisdiction Number: **221000**

- | | | |
|--|--------------------------------|-----------------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 2 | ___ |
| 5. Is this a worst case? | Yes | ___ |
| 6. Conditioned floor area (ft ²) | 1280 ft ² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft ² | 111.0 ft ² |
| b. Default tint | 0.0 ft ² | 0.0 ft ² |
| c. Labeled U or SHGC | 0.0 ft ² | 0.0 ft ² |
| 8. Floor types | | |
| a. Raised Wood, Post or Pier | ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=13.0, 1152.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 1280.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 40.0 ft | ___ |
| b. N/A | | ___ |

- | | |
|--|----------------------------------|
| 12. Cooling systems | |
| a. Central Unit | Cap: 24.0 kBtu/hr
SEER: 10.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 13. Heating systems | |
| a. Electric Heat Pump | Cap: 24.0 kBtu/hr
HSPF: 6.80 |
| b. N/A | ___ |
| c. N/A | ___ |
| 14. Hot water systems | |
| a. Electric Resistance | Cap: 50.0 gallons
EF: 0.92 |
| b. N/A | ___ |
| c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) | ___ |
| 15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) | ___ |

Glass/Floor Area: 0.09

Total as-built points: 19240

Total base points: 19510

PASS

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

PREPARED BY: William H. Freeman

DATE: 1/22/04

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1280.0	20.04	4617.2	Double, Clear	NE	1.0	8.0	15.0	29.56	0.99	440.4
				Double, Clear	NE	1.0	8.0	6.0	29.56	0.99	176.2
				Double, Clear	NE	1.0	5.0	6.0	29.56	0.95	169.1
				Double, Clear	SW	1.0	8.0	30.0	40.16	0.99	1197.5
				Double, Clear	SE	1.5	6.0	30.0	42.75	0.88	1133.0
				Double, Clear	NW	1.5	6.0	15.0	25.97	0.93	360.6
				Double, Clear	NW	1.5	4.0	9.0	25.97	0.85	198.6
				As-Built Total:			111.0			3675.2	
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0		1152.0	1.50	1728.0	
Exterior	1152.0	1.70	1958.4								
Base Total:		1152.0	1958.4	As-Built Total:				1152.0		1728.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.10	164.0	
Exterior	40.0	6.10	244.0								
Base Total:		40.0	244.0	As-Built Total:				40.0		164.0	
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM = Points			
Under Attic	1280.0	1.73	2214.4	Under Attic		30.0		1280.0	1.73 X 1.00	2214.4	
Base Total:		1280.0	2214.4	As-Built Total:				1280.0		2214.4	
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier		19.0		1280.0	0.77	980.5	
Raised	1280.0	-3.99	-5107.2								
Base Total:			-5107.2	As-Built Total:				1280.0		980.5	
INFILTRATION Area X BSPM = Points								Area X SPM = Points			
	1280.0	10.21	13068.8					1280.0	10.21	13068.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT											
Summer Base Points:		16995.6		Summer As-Built Points:				21830.9							
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
				(DM x DSM x AHU)											
16995.6		0.4266		7250.3	21830.9		1.000		(1.090 x 1.147 x 0.91)		0.341		1.000		8476.9
					21830.9		1.00		1.138		0.341		1.000		8476.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1280.0	12.74	2935.3	Double, Clear	NE	1.0	8.0	15.0	23.57	1.00	353.1
				Double, Clear	NE	1.0	8.0	6.0	23.57	1.00	141.2
				Double, Clear	NE	1.0	5.0	6.0	23.57	1.00	141.8
				Double, Clear	SW	1.0	8.0	30.0	16.74	1.01	505.8
				Double, Clear	SE	1.5	6.0	30.0	14.71	1.10	483.6
				Double, Clear	NW	1.5	6.0	15.0	24.30	1.00	365.6
				Double, Clear	NW	1.5	4.0	9.0	24.30	1.01	220.5
				As-Built Total:				111.0	2211.7		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1152.0	3.40		3916.8	
Exterior	1152.0	3.70	4262.4								
Base Total: 1152.0 4262.4				As-Built Total:		1152.0		3916.8			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			40.0	8.40		336.0	
Exterior	40.0	12.30	492.0								
Base Total: 40.0 492.0				As-Built Total:		40.0		336.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1280.0	2.05	2624.0	Under Attic	30.0		1280.0	2.05 X 1.00		2624.0	
Base Total: 1280.0 2624.0				As-Built Total:		1280.0		2624.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	19.0		1280.0	0.88		1121.3	
Raised	1280.0	0.96	1228.8								
Base Total: 1228.8				As-Built Total:		1280.0		1121.3			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1280.0 -0.59 -755.2				1280.0 -0.59 -755.2							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		10787.3		Winter As-Built Points:					9454.6	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
						(DM x DSM x AHU)				
10787.3		0.6274	6767.9	9454.6	1.000	(1.069 x 1.169 x 0.93)	0.501	1.000		5510.1
				9454.6	1.00	1.162	0.501	1.000		5510.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit Multiplier	= Total
2		2746.00	5492.0	50.0	0.92	2		1.00	2626.61	1.00	5253.2
As-Built Total:											5253.2

CODE COMPLIANCE STATUS													
BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
7250		6768		5492		19510	8477		5510		5253		19240

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: N.E. Cowhorn Glen, Lake City, FL, 32055-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.1

The higher the score, the more efficient the home.

David Shipes, N.E. Cowhorn Glen, Lake City, FL, 32055-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1280 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 111.0 ft ²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Raised Wood, Post or Pier	R=19.0, 1280.0ft ²	a. Electric Resistance	Cap: 50.0 gallons
b. N/A		b. N/A	EF: 0.92
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1152.0 ft ²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1280.0 ft ²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 40.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

EnergyGauge® (Version: FLRCPB v3.30)

DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

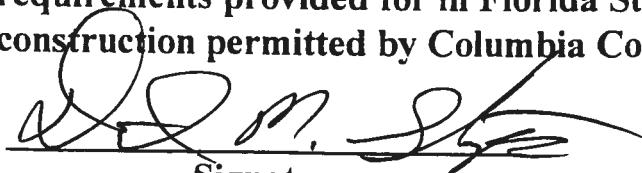
TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling ☐ Two-Family Residence
☐ Farm Outbuilding ☐ Other _____

NEW CONSTRUCTION OR IMPROVEMENT

- ☒ New Construction ☐ Addition, Alteration, Modification or other Improvement

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


Signature

12/1/03
Date

FOR BUILDING USE ONLY

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

Date 12/01/03 Building Official/Representative Janice Hunter

Rec. 28.3
Doc. 147.6
Int. 84.0

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

Inst: 2003007946 Date: 04/16/2003 Time: 16:44

Doc Stamp-Mort : 147.00

Intang. Tax : 84.00

MC DC, P. DeWitt Cason, Columbia County B: 980 P: 2109

File No. 03-218

MORTGAGE

THIS MORTGAGE executed the 7th day of April 2003, by DAVID M. SHIPES and his wife, JENNIFER L. SHIPES, whose post office address is 450 George Mosley Road, Jacksonville, Florida 32234, hereinafter called the mortgagor, to AVERY C. ROBERTS and JOHN L. SHADD, each an undivided one-half interest, whose post office address is Post Office Box 233, Lake Butler, Florida 32054, hereinafter called the mortgagee:

Wherever used herein the terms "mortgagor" and "mortgagee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations; and the term "note" includes all the notes herein described if more than one.

WITNESSETH, that for good and valuable considerations, and also in consideration of the principal sum of FORTY-TWO THOUSAND AND NO/100 DOLLARS (\$42,000.00) which indebtedness is acknowledged and is evidenced by a certain mortgage note payable to mortgagee, executed by mortgagor, bearing even date herewith, in the principal amount of FORTH-TWO THOUSAND AND NO/100 DOLLARS (\$42,000.00) bearing interest from date on outstanding balances at thirteen percent (13.00%) per annum, said principal and interest being payable in monthly installments as provided in said note with a final maturity of April 7, 2023, the mortgagor hereby grants, bargains, sells, aliens, remises, conveys and confirms unto the mortgagee all the certain land of which the mortgagor is now seized and in possession situate in Columbia County, Florida, to-wit:

That part of Section 16, Township 3 South, Range 17 East, Columbia County, Florida, described on Schedule "A" attached hereto.

TO HAVE AND TO HOLD the same, together with the tenements, hereditaments and appurtenances thereto belonging, and the rents, issues and profits thereof, unto the mortgagee, in fee simple.

And the mortgagor covenants with the mortgagee that the mortgagor is indefeasibly seized of said land in fee simple; that the mortgagor has good right and lawful authority to convey said land as aforesaid; and that the mortgagor will make such further assurances to perfect the fee simple title to said land in the mortgagee as may reasonably be required; that the mortgagor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free and clear of all encumbrances.

And the mortgagor hereby further covenants and agrees to pay promptly when due the principal and interest and other sums of

money provided for in said note and this mortgage, or either; to pay all and singular the taxes, assessments, levies, liabilities, obligations and encumbrances of every nature on said property; to keep the buildings now or hereafter on said land fully insured in a sum of not less than the highest insurable value in a company or companies acceptable to the mortgagee, the policy or policies to be held by, and payable to, said mortgagee; to pay all costs, charges, and expenses, including attorney's fees and title searches, reasonably incurred or paid by the mortgagee because of the failure of the mortgagor to promptly and fully comply with the agreements, stipulations, conditions and covenants of said note and this mortgage, or either; Mortgagor shall furnish written proof of payment of insurance premiums not less than fifteen (15) days prior to each anniversary date of this Mortgage and shall furnish written proof of payment of ad valorem taxes and special assessments no later than April 15th of each year.

If any sum of money herein referred to be not paid within thirty (30) days after the same becomes due, or if each and every the agreements, stipulations, conditions and covenants of said note and this mortgage, or either, are not fully performed, complied with and abided by, then the entire sum mentioned in said note, and this mortgage, or the entire balance unpaid thereon, shall forthwith or thereafter, at the option of the mortgagee, become and be due and payable, anything in said note or herein to the contrary notwithstanding. Failure by the mortgagee to exercise any of the rights or options herein provided shall not constitute a waiver of any rights or options under said note or this mortgage accrued or thereafter accruing.

In the event that at the beginning of or at any time pending any suit upon this mortgage or to foreclose or reform it or to enforce payment of any claims under it, the mortgagee shall apply to the court having jurisdiction for the appointment of a Receiver, such court forthwith shall appoint a Receiver of the mortgaged property all and singular, including all and singular the income, profits, issues and revenues from whatever source derived, each and every one of which, it being expressly understood, is mortgaged by this instrument as if specifically set forth and described in its granting and habendum clauses, and the Receiver shall have all the broad and effective functions and powers in anywise entrusted by a court to a Receiver. The appointment shall be made by the court as an admitted equity and matter of absolute right to the mortgagee, without reference to the adequacy or inadequacy of the value of the property mortgaged or to the solvency or insolvency of the mortgagor or the defendant. All rents, profits, incomes, issues and revenues shall be applied by the Receiver according to the lien or equity of the mortgagee and the practice of the court, and the appointment of the Receiver shall be without notice to any obligor under this mortgage.

If foreclosure proceedings of any other mortgage or trust deed or any other lien of any kind should be instituted, the mortgagee, at his option, immediately or thereafter may declare this mortgage and the indebtedness secured due and payable.

In the event the premises mortgaged, or any part of them, shall be condemned and taken for public use under the power of eminent domain, the mortgagee shall have the right to demand that all damages awarded for the taking of or damages to the premises shall be paid to the mortgagee, up to the amount then unpaid on this mortgage and the obligation secured, and may be applied upon the payments last payable under this mortgage and the obligation secured.

This mortgage is given to secure not only existing indebtedness, but also such future advances, whether such advances are obligatory or are to be made at the option of mortgagee, or otherwise, as are made within fifteen years from the date hereof, to the same extent as if such future advances were made on the date of the execution of this mortgage. The total amount of indebtedness that may be so secured may decrease or increase from


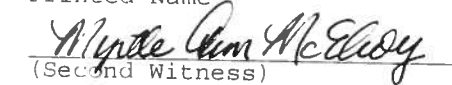
time to time, but the total unpaid balance so secured at one time shall not exceed twice the face amount of the note, plus interest thereon, and any disbursements made for the payment of taxes, levies or insurance on the mortgaged property, with interest on such disbursements at the highest rate permitted by applicable law.


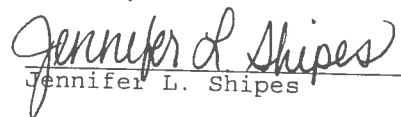
In the event that the payments due on the note secured by this mortgage are not paid within ten (10) days after they become due, the mortgagee shall have, in addition to the other rights provided for under said note and mortgage, the right to collect a late charge in an amount equal to ten percent (10%) of the amount of the delinquent payment.

PROVIDED ALWAYS, that if said mortgagor shall pay unto said mortgagee the certain mortgage note described above, and shall perform, comply with and abide by each and every the agreements, stipulations, conditions and covenants thereof, and of this mortgage, then this mortgage and the estate hereby created, shall cease, determine and be null and void.

IN WITNESS WHEREOF, the said mortgagor has hereunto signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in our presence:


(First Witness)
Terry McDavid
Printed Name

(Second Witness)
Myrtle Ann McElroy
Printed Name

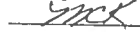

(SEAL)
David M. Shipes

(SEAL)
Jennifer L. Shipes

Inst:2003007946 Date:04/16/2003 Time:16:44

Doc Stamp-Mort : 147.00

Intang. Tax : 84.00

STATE OF FLORIDA
COUNTY OF COLUMBIA

 DC, P. DeWitt Cason, Columbia County B:980 P:2111

The foregoing instrument was acknowledged before me this 7th day of April 2003, by DAVID M. SHIPES and his wife, JENNIFER L. SHIPES. They are personally known to me and did not take an oath.


Notary Public
My Commission Expires:



Parcel "C"

A parcel of land containing a total area of 21.84 acres, more or less, lying, being and situate in Section 16, Township 3 South, Range 17 East, Columbia County, Florida, more particularly described as follows:

COMMENCE at the Northeast corner of said Section 16, and run South 01 degree 00 minutes 43 seconds East, along the East line of the Northeast 1/4 of Northeast 1/4 of said Section 16, a distance of 1322.86 to the Southeast corner of said Northeast 1/4 of Northeast 1/4 of Section 16; thence run South 87 degrees 53 minutes 36 seconds West, along the South line of said Northeast 1/4 of Northeast 1/4 of Section 16, a distance of 1335.16 feet to the Southwest corner of said Northeast 1/4 of Northeast 1/4 of Section 16, and the POINT OF BEGINNING of the hereinafter described parcel of land; Thence run South 01 degree 04 minutes 21 seconds East, along the East line of the Southwest 1/4 of said Northeast 1/4 of Section 16, a distance of 574.94 feet; thence run South 87 degrees 56 minutes 13 seconds West a distance of 1375.88 feet to the intersection with the Easterly line of a 60 foot road easement; thence run South 72 degrees 13 minutes 40 seconds West a distance of 30.11 feet to the intersection with the centerline of said 60 foot road easement; thence run North 22 degrees 42 minutes 48 seconds West, along said centerline of a 60 foot road easement, a distance of 189.67 feet; thence run North 18 degrees 28 minutes 32 seconds West, continuing along said centerline, a distance of 220.76 feet; thence run North 27 degrees 43 minutes 16 seconds West, continuing along said centerline, a distance of 133.72 feet; thence run North 60 degrees 15 minutes 16 seconds East, continuing along said centerline, a distance of 713.09 feet; thence run South 36 degrees 45 minutes 11 seconds East a distance of 314.34 feet; thence run North 87 degrees 54 minutes 29 seconds East a distance of 791.60 feet to the POINT OF BEGINNING.

TOGETHER WITH a 60 foot road easement for ingress, egress and public utilities described as follows:

(Road "A" access)

SUBJECT TO: existing county land use regulations and to all easements of record, or not of record.

SCHEDULE "A"

Inst:2003007946 Date:04/16/2003 Time:16:44

Doc Stamp-Mort : 147.00

Intang. Tax : 84.00

MRK DC, P. DeWitt Cason, Columbia County B:980 P:2112

**Legal Description For 60 Foot Road Easements
(Road "A", Road "B" and Road "C")**

Legal Description:
Road "A" Easement:

Inst: 2003007946 Date: 04/16/2003 Time: 16:44
Doc Stamp-Mort : 147.00
Intang. Tax : 84.00

MRK DC, P. DeWitt Cason, Columbia County B:980 P:2113

A 60 foot road easement for ingress, egress and public utilities, lying, being and situate in Section 16, Township 3 South, Range 17 East, Columbia County, Florida, said 60 foot road easement being herein referred to as Road "A", and being more particularly described as follows:

COMMENCE at the Northeast corner of said Section 16, and run South 87 degrees 53 minutes 56 seconds West, along the North line of said Section 16, a distance of 1506.59 feet; thence run South 02 degrees 06 minutes 04 seconds East a distance of 413.52 feet to the POINT OF BEGINNING of the hereinafter described centerline of said 60 foot road easement referred to herein as Road "A", said 60 foot road easement lying 30 feet to the right, and 30 feet to the left of said centerline, easement right-of-way lines shall run parallel to said centerline and shall be shortened or lengthened as needed to create right-of-way line intersections at angle points: Thence run South 66 degrees 03 minutes 11 seconds West, along said centerline of Road "A", a distance of 252.71 feet to an angle point; thence run South 55 degrees 09 minutes 04 seconds West, continuing along said centerline of Road "A", a distance of 111.47 feet to an angle point; thence run South 44 degrees 42 minutes 30 seconds West, continuing along said centerline of Road "A", a distance of 118.46 feet to an angle point; thence run South 39 degrees 08 minutes 09 seconds West, continuing along said centerline of Road "A", a distance of 307.41 feet to an angle point; thence run South 46 degrees 14 minutes 21 seconds West, continuing along said centerline of Road "A", a distance of 276.71 feet to an angle point; thence run South 60 degrees 15 minutes 16 seconds West, continuing along said centerline of Road "A", a distance of 713.09 feet to an angle point, and to a point hereinafter referred to as Point "A"; thence run North 68 degrees 51 minutes 10 seconds West, continuing along said centerline of Road "A", a distance of 1055.77 feet to the intersection with the approximate centerline of a prescriptive county maintained graded road (also known as Northeast Double Run Road), and to the Westerly Terminus of this portion of said Road "A"; thence return to the aforesaid Point "A", and run South 27 degrees 43 minutes 16 seconds East, along said centerline of Road "A", a distance of 133.72 feet to an angle point; thence run South 18 degrees 28 minutes 32 seconds East, continuing along said centerline of Road "A", a distance of 220.76 feet to an angle point; thence run South 22 degrees 42 minutes 48 seconds East, continuing along said centerline of Road "A", a distance 189.67 feet to an angle point; thence run South 12 degrees 49 minutes 52 seconds East, continuing along said centerline of Road "A", a distance 151.52 feet to an angle point; thence run South 01 degree 42 minutes 07 seconds East, continuing along said centerline of Road "A", a distance 111.65 feet to an angle point; thence run South 06 degrees 15 minutes 11 seconds West, continuing along said centerline of Road "A", a

SCHEDULE "B"

distance of 175.38 feet to an angle point; thence run South 08 degrees 32 minutes 13 seconds West, continuing along said centerline of Road "A", a distance of 168.43 feet to an angle point; thence run South 08 degrees 27 minutes 50 seconds East, continuing along said centerline of Road "A", a distance of 80.52 feet to an angle point; thence run South 16 degrees 15 minutes 42 seconds East, continuing along said centerline of Road "A", a distance of 131.19 feet to an angle point; thence run South 03 degrees 39 minutes 18 seconds East, continuing along said centerline of Road "A", a distance of 113.98 feet to an angle point; thence run South 02 degrees 54 minutes 24 seconds West, continuing along said centerline of Road "A", a distance of 109.50 feet to an angle point; thence run South 15 degrees 54 minutes 28 seconds West, continuing along said centerline of Road "A", a distance of 88.08 feet to an angle point; thence run South 36 degrees 30 minutes 46 seconds West, continuing along said centerline of Road "A", a distance of 91.76 feet to the END of said Road "A"

Inst:2003007946 Date:04/16/2003 Time:16:44

Doc Stamp-Mort : 147.00

Intang. Tax : 84.00

TRK DC, P. DeWitt Cason, Columbia County B:980 P:2114

Permit No. _____

Tax Parcel No. 16-35-17-04955-117

COLUMBIA COUNTY NOTICE OF COMMENCEMENT

STATE OF FLORIDA

Inst: 2003026466 Date: 12/09/2003 Time: 15:50

COUNTY OF COLUMBIA

B DC, P. DeWitt Cason, Columbia County B: 1001 P: 2187

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. ^{DS-} Description of property: (legal description of the property, and street address if available.) 226

206 NE Cowhorn Glen - Osceola H.O.A.

Inst: 2004000858 Date: 01/14/2004 Time: 16:55

DC DC, P. DeWitt Cason, Columbia County B: 1004 P: 1640

2. General description of improvement: NEW House

3. Owner Information:

A. Name and address:

DAVID M. SHIPES 450 George Mosley Rd.
Jax FL. 32234

B. Interest in property:

C. Name and address of fee simple titleholder (if other than owner):

4. Contractor: (name and address)

DAVID M. SHIPES 450 George Mosley Rd.
Jax FL. 32234

5. Surety

A. Name and address:

B. Amount of bond:

6. Lender: (name and address)

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 718.13 (1) (a) 7., Florida Statutes: (name and address)

DAVID M. SHIPES
450 George Mosley Rd. 32234

8. In addition to himself, owner designates _____
of _____ to receive a copy of
the Lienor's Notice as provided in Section 713.13 (1) (a) 7., Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the
date of recording unless a different date is specified) _____.

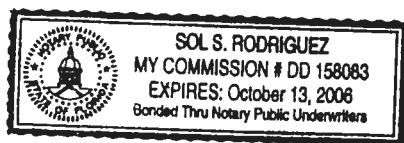
[Signature]
(Signature of Owner)

SWORN TO and subscribed before me this 9th day of December
19 2003

[Signature]
Notary Public Sol S. Rodriguez

(NOTARIAL
SEAL)

My Commission Expires: 10/13/2006



Inst:2003026466 Date:12/09/2003 Time:15:50
_____DC,P.DeWitt Cason,Columbia County B:1001 P:2188

Inst:2004000858 Date:01/14/2004 Time:16:55
_____DC,P.DeWitt Cason,Columbia County B:1004 P:1641

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: AND ADDRESS:	RESIDENCE FOR N.E. COWHORN GLEN	BUILDER:	PERMITTING OFFICE: LAKE CITY	CLIMATE ZONE: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>
OWNER:	MR. & MRS. DAVID SHIPES	PERMIT NO.:	21446	JURISDICTION NO.: 221200

GENERAL DIRECTIONS

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

1. Compliance package chosen (A-F)
2. New construction or addition
3. Single family detached or Multifamily attached
4. If Multifamily—No. of units covered by this submission
5. Is this a worst case? (yes / no)
6. Conditioned floor area (sq. ft.)
7. Predominant eave overhang (ft.)
8. Glass type and area :
 - a. Clear glass
 - b. Tint, film or solar screen
9. Percentage of glass to floor area
10. Floor type, area or perimeter, and insulation:
 - a. Slab on grade (R-value)
 - b. Wood, raised (R-value)
 - c. Wood, common (R-value)
 - d. Concrete, raised (R-value)
 - e. Concrete, common (R-value)
11. Wall type, area and insulation:
 - a. Exterior: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
 - b. Adjacent: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
12. Ceiling type, area and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
13. Air Distribution System: Duct insulation, location
Test report (attach if required)
14. Cooling system
(Types: central, room unit, package terminal A.C., gas, none)
15. Heating system:
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)
16. Hot water system:
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)

Please Print

CK

1.	A	
2.	NEW	
3.	S.F.D.	
4.		
5.	NO	
6.	1,280	
7.	1.33	
	Single Pane	Double Pane
8a.	sq. ft.	93 sq. ft.
8b.	sq. ft.	sq. ft.
9.	7.3 %	
10a.	R=	lin. ft.
10b.	R= 19	1,280 sq. ft.
10c.	R=	sq. ft.
10d.	R=	sq. ft.
10e.	R=	sq. ft.
11a-1	R=	sq. ft.
11a-2.	R= 11	1,017 sq. ft.
11b-1	R=	sq. ft.
11b-2	R=	sq. ft.
12a.	R= 30	1,280 sq. ft.
12b.	R=	sq. ft.
13.	R= 6	ATTIC
14a.	Type: CENTRAL-SPLIT	
14b.	SEER/EER:	
14c.	Capacity: 2.5 TON	
15a.	Type: HEAT PUMP	
15b.	HSPF/COP/AFUE:	
15c.	Capacity: 2.5 TON	
16a.	Type: ELECTRIC	
16b.	EF:	

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

PREPARED BY: Chet L. Glisson DATE: 11-17-03

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

OWNER AGENT: _____ DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

COLUMBIA COUNTY OFFICIAL OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 16-3S-17-04955-117 Building permit No. 000021446

Use Classification SFD, UTILITY Fire: 45.36

Permit Holder OWNER BUILDER Waste: 98.00

Owner of Building DAVID & JENNIFER SHIPES Total: 143.36

Location: 1530 NE COWHORN ROAD

Date: 01/06/2005



Handwritten signature

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

DATE 01/26/2004

Columbia County Building Permit**PERMIT****This Permit Expires One Year From the Date of Issue****000021446**

APPLICANT DAVID SHIPES

PHONE 904 838-5628

ADDRESS 450 GEORGE MOSELEY ROAD JACKSONVILLE FL 32234

OWNER DAVID & JENNIFER SHIPES PHONE 904 838-5628

ADDRESS 1530 NE COWHORN ROAD LAKE CITY FL 32055

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 441N, TR ON RALPH GREEN RD, TO DEADEND, TL COWHORN ROAD,
1ST ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 64000.00

HEATED FLOOR AREA 1280.00 TOTAL AREA 1280.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 19

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE Z-A DEVELOPMENT PERMIT NO.

PARCEL ID 16-3S-17-04955-000

SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 21.80

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

PRIVATE 03-1059-N BK JK

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE PAVED, 2 FT ABOVE DIRT ROAD, NOC ON FILE

Check # or Cash 1174

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power 03/01/2004 RK Foundation 03/12/2004 RJ Monolithic
date/app. by date/app. by date/app. byUnder slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. byFraming Rough-in plumbing above slab and below wood floor
date/app. by date/app. by date/app. byElectrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. byPermanent power C.O. Final Culvert
date/app. by date/app. by date/app. byM/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. byReconnection Pump pole Utility Pole
date/app. by date/app. by date/app. byM/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

PAUL S. LI, P.E.

9218 Cypress Green Dr. Suite 10
Jacksonville, FL 32256
Tel/Fax: (904) 737-6876/737-2385

Design & Consulting Engineer
Structural, Civil & Mechanical

June 16, 2004

Mr. John Kerce
Columbia County Building Department


Re.: David Shipes Residence
@1530 N E Cowhorn Road
Lake City, FL
Project #: 031010

Dear Mr. Kerce:

On Section A/2 of the permit plans, a Simpson HD5A was specified to anchor the 3-2x12 sill beam to the concrete block piers. Due to the offset of the anchor bolt hole in the HD5A, the bolt would be right at the inside edge of the block sidewall which would not be acceptable. Therefore I am authorizing a substitution of two Simpson HTSM20 Twist straps at each pier instead of the HD5A's (See attached catalog cut). Each HTSM20 shall have 10-10d nails into the sill beam and 4- 1/4 x 2 1/4 Titen Screws into the block pier.

Thank you for this opportunity to be of your service. If you have any more question(s) regarding this project, please do not hesitate to call us.

Sincerely,



Paul S. Li, P.E.

The LGT2 and MGT provide lighter load alternatives for girder tiedowns. The HGT-4 is sized for 4-2x widths. This series provides high uplift resistance for wood frame and concrete block construction. The HGT can be installed on trusses and beams with top chord slopes from 3:12 to 8:12. Available in 2-ply, 3-ply and 4-ply widths.

MATERIAL LGT—14 ga, MGT—12 ga, HGT—7 ga.

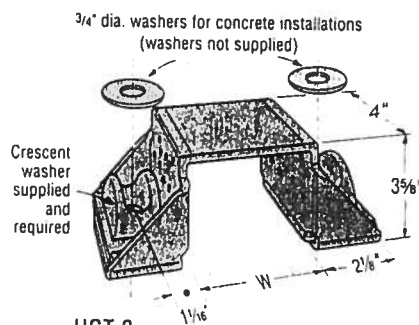
FINISH HGT—Simpson gray paint,

LGT, MGT—galvanized

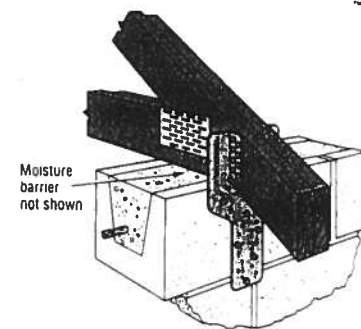
INSTALLATION • When the HGT-3 is used with a 2-ply girder or beam, shimming is required. Fasten to act as one unit.

- Attach to grouted concrete block with a minimum one #5 rebar horizontal in the top lintel block
- Minimum $f'_c = 2500$ psi maximum aggregate $\frac{3}{8}$ "

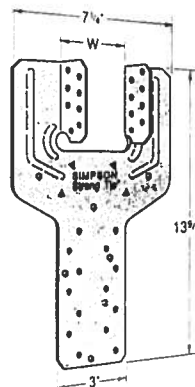
CODES: See page 10 for Code Listing Key Chart.



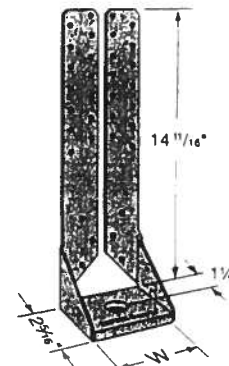
HGT-2
(HGT-3 and HGT-4 similar)



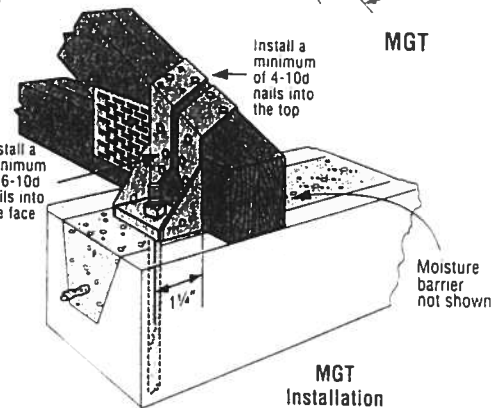
Typical LGT2
Installation into Masonry



LGT2



MGT



MGT
Installation

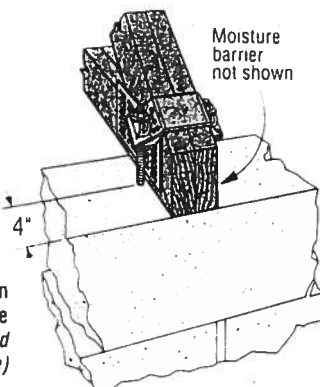
Model No.	W	O.C. Dim Between Anchors	Fasteners		Avg UII	DFL/SP Allowable Loads (133/160)	SPF Allowable Loads (133/160)	Code Ref.
			Anchor Dia.	Girder				
MGT	3 1/4"	—	1-5/8"	22-10d	13005	3965	3330	160
HGT-2	3 1/8"	5 3/4"	2-3/4"	16-10d	35400	10980	6485	6.38, 62
HGT-3	4 15/16"	7 3/8"	2-3/4"	16-10d	35580	10530	9035	
HGT-4	6 1/8"	9"	2-3/4"	16-10d	28805	9250	9250	

Masonry Application

Model No.	W	O.C. Dim Between Anchors	Fasteners			Avg UII	DFL/SP Allowable Loads (133/160)	SPF Allowable Loads (133/160)	Code Ref.
			CMU	Concrete	Girder				
LGT2	3 1/4"	—	7-1/4x2 1/4" Titen	7-1/4x1 3/4" Titen	16-16d Sinker	6533	2150	1850	160

- 1 Attached members must be designed to resist applied loads
- 2 To achieve the loads listed, anchorage into a concrete block bond beam shall be designed by the building designer.
- 3 To achieve the loads listed for the HGT, anchorage into a 8" wide concrete tie-beam can be made using Simpson SET epoxy with a 3/4" diameter anchor and a minimum embedment depth of 12"
- 4 Allowable loads have been increased 33% and 60% for earthquake or wind loading, no further increase allowed, reduce where other loads govern

Typical HGT-2 Installation
into Concrete
(3/4" diameter standard washers required for concrete)



MTSM/HTSM TWIST STRAPS

The MTSM and HTSM offer high strength truss to masonry connections.

MATERIAL MTSM—16 gauge, HTSM—14 gauge

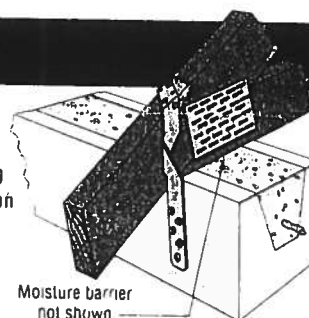
FINISH Galvanized. Some products available in stainless steel and Z-MAX, see Corrosion-Resistance, page 5.

INSTALLATION • Use all specified fasteners. See General Notes

- Attach to grouted concrete block with a minimum one #5 rebar horizontal.
- Minimum $f'_c = 2500$ psi maximum aggregate $\frac{3}{8}$ "

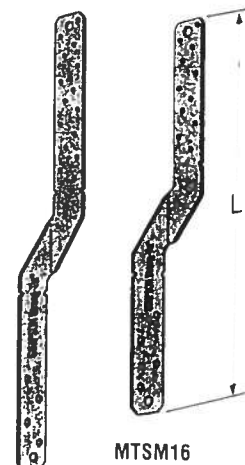
CODES: See page 10 for Code Listing Key Chart.

Typical MTSM20
Installation



Moisture barrier not shown

Model No.	L	Fasteners ²			Doug-Fir-Larch/So Pine Allowable Uplift Loads ¹			Spruce-Pine-Fir Allowable Uplift Loads ¹			Code Ref.
		Truss	CMU	Concrete	10d	10dx1 1/2"	10d	10dx1 1/2"	10d	10dx1 1/2"	
					(133/160)	(133) (160)	(133/160)	(133) (160)	(133/160)	(133) (160)	
MTSM16	16	7-10d	4-1/4x2 1/4" Titen	4-1/4x1 3/4" Titen	860	840 860	750	730 750			160
MTSM20	20	7-10d	4-1/4x2 1/4" Titen	4-1/4x1 3/4" Titen	860	840 860	750	730 750			
HTSM16	16	8-10d	4-1/4x2 1/4" Titen	4-1/4x1 3/4" Titen	1175	1045 1175	1020	905 1020			
HTSM20	20	10-10d	4-1/4x2 1/4" Titen	4-1/4x1 3/4" Titen	1175	1045 1175	1020	1020 1020			



MTSM16

MTSM20

¹ Loads have been increased 33% and 60% for earthquake or wind loading, no further increase allowed, reduced where other loads govern

² Twist straps do not have to be wrapped over the truss to achieve the allowable load

³ Minimum edge distance for Titen is 1 1/2"

PAUL S. LI, P.E.

9218 Cypress Green Dr. Suite 10
Jacksonville, FL 32256
Tel/Fax: (904) 737-6876/737-2385

Design & Consulting Engineer
Structural, Civil & Mechanical

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PSL/mml

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FINISH: HGT—Simpson gray paint;

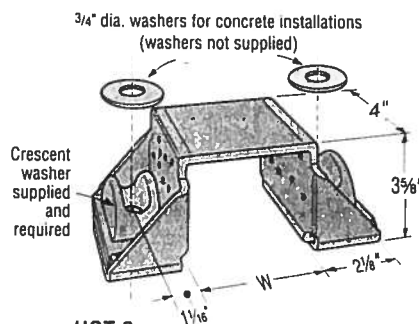
LGT, MGT—galvanized

INSTALLATION: • When the HGT-3 is used with a 2-ply girder or beam, shimming is required. Fasten to act as one unit.

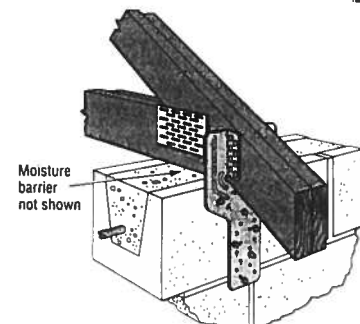
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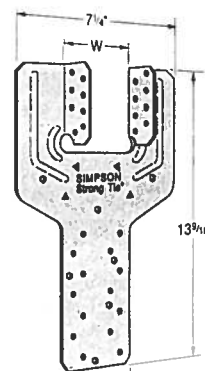
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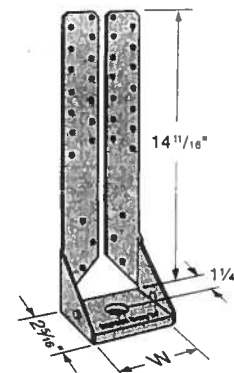
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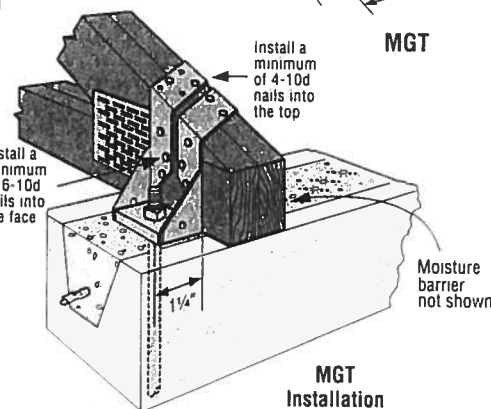
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Installation into Masonry



LGT2



MGT



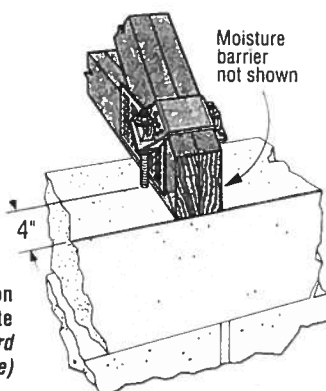
MGT
Installation

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HGT-4	6 9/16	9	2-3/4	16-10d	28805	9250	9250	

Masonry Application

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			CMU	Concrete	Girder				
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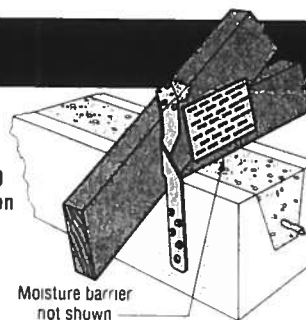
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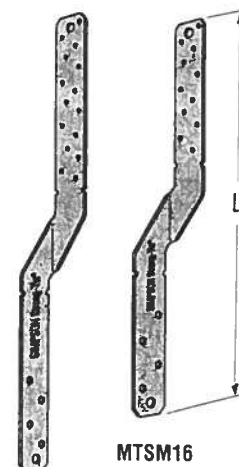
CODES: See page 10 for Code Listing Key Chart.

Typical
MTSM20
Installation



Model No.	L	Fasteners ² ..			Doug-Fir-Larch/So Pine Allowable Uplift Loads ¹			Spruce-Pine-Fir Allowable Uplift Loads ¹			Code Ref.
		Truss	CMU	Concrete	10d	10dx1½"		10d	10dx1½"		
					(133/160)	(133)	(160)	(133/160)	(133)	(160)	
MTSM16	16	7-10d	4-¼x2½ Titen	4-¼x1¾ Titen	860	840	860	750	730	750	160
MTSM20	20	7-10d	4-¼x2½ Titen	4-¼x1¾ Titen	860	840	860	750	730	750	
HTSM16	16	8-10d	4-¼x2½ Titen	4-¼x1¾ Titen	1175	1045	1175	1020	905	1020	
HTSM20	20	10-10d	4-¼x2½ Titen	4-¼x1¾ Titen	1175	1045	1175	1020	1020	1020	

1. Loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed, reduced where other loads govern.
2. Twist straps do not have to be wrapped over the truss to achieve the allowable load.
3. Minimum edge distance for Titen is 1 1/2".



MTSM16

MTSM20