

This Permit Expires One Year From the Date of Issue

APPLICANTGEORGE WEHRLI

PHONE755-3814

ADDRESSP.O. BOX 1846

LAKE CITYFL32056

OWNERGEORGE WEHRLI

PHONE755-3814

ADDRESS488SE FAWN GLEN

LAKE CITYFL32025

CONTRACTOROWNER BUILDER

PHONE

LOCATION OF PROPERTYBAYA, TR ON COUNTRY CLUB RD, TR ON FAWN GLEN, LAST HOME

TYPE DEVELOPMENTADDITION TO SFD

ESTIMATED COST OF CONSTRUCTION45000.00

HEATED FLOOR AREA480.00

TOTAL AREA480.00

HEIGHT

STORIES1

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH12/12

FLOORSLAB

LAND USE & ZONINGRSF-2

MAX. HEIGHT

Minimum Set Back Requirments:

STREET-FRONT25.00

REAR15.00

SIDE10.00

NO. EX.D.U.1

FLOOD ZONEAE

DEVELOPMENT PERMIT NO.

PARCEL ID16-4S-17-08302-179

SUBDIVISIONDEERWOOD FOREST

LOT1

BLOCKB

PHASE

UNIT

TOTAL ACRES

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING06-0618-E

BK

JH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: ONE FOOT RISE LETTER NEEDED FROM ENGINEER,
NOT A SUBSTANTIAL IMPROVEMENT,NO DEVELOPMENT PERMIT NEEDED

Check # or Cash8837

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

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 \$225.00

CERTIFICATION FEE \$2.40

SURCHARGE FEE \$2.40

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD-ZONE FEE \$

CULVERT FEE \$

TOTAL FEE279.80

INSPECTORS OFFICE

CLERKS OFFICE

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

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

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 INCONVINCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

NO Development Permit

For Office Use Only Application # 0607-51 Date Received 7/20 By SW Permit # 24830
 Application Approved by - Zoning Official BLK Date 28.07.06 Plans Examiner OKYTH Date 8-2-06
 Flood Zone AE Development Permit YES Zoning RSF2 Land Use Plan Map Category RLD
 Comments 200 Floor Height Letter from Engineer, Not a Substantial Improvement
* - WATER SYSTEM - FAX 754-5251

Applicants Name George W. Wehrli Phone 386-397-9366
 Address P.O. Box 1846, Lake City FL 32056-1846
 Owners Name George W. Wehrli Phone Same
 911 Address 488 SE Fawn Glen, Lake City FL 32025 (No Mail)
 Contractors Name OWNER BUILDER Phone _____
 Address NAME IS ABOVE
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Terry Underwood 17642 NW 255th Lane Alachua FL
 Mortgage Lenders Name & Address Bank of America, 159 NW Madison St Suite 101, Lake City FL 32056
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number Parcel 16-45-17-08302-119 HX Estimated Cost of Construction 45000
 Subdivision Name Deerwood Forest Lot 1 Block B Unit 3 Phase _____
 Driving Directions From Bay 9 South on Country Club Rd 2 miles to SE Fawn Glen West on SE Fawn Glen 1/2 mile to last home on south side of road
 Type of Construction Room addition 20'x24' Number of Existing Dwellings on Property 1
 Total Acreage 1 Lot Size 1 Acre Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 150' 96' 3" Side 53' 5" 49' Side 43' 95' Rear 176' 112'
 Total Building Height _____ Number of Stories 1 Heated Floor Area 480' Roof Pitch 12' 12'
 TOTAL 480

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

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

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

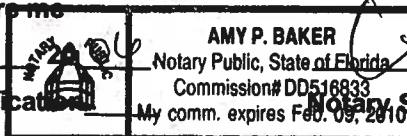
George W. Wehrli
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

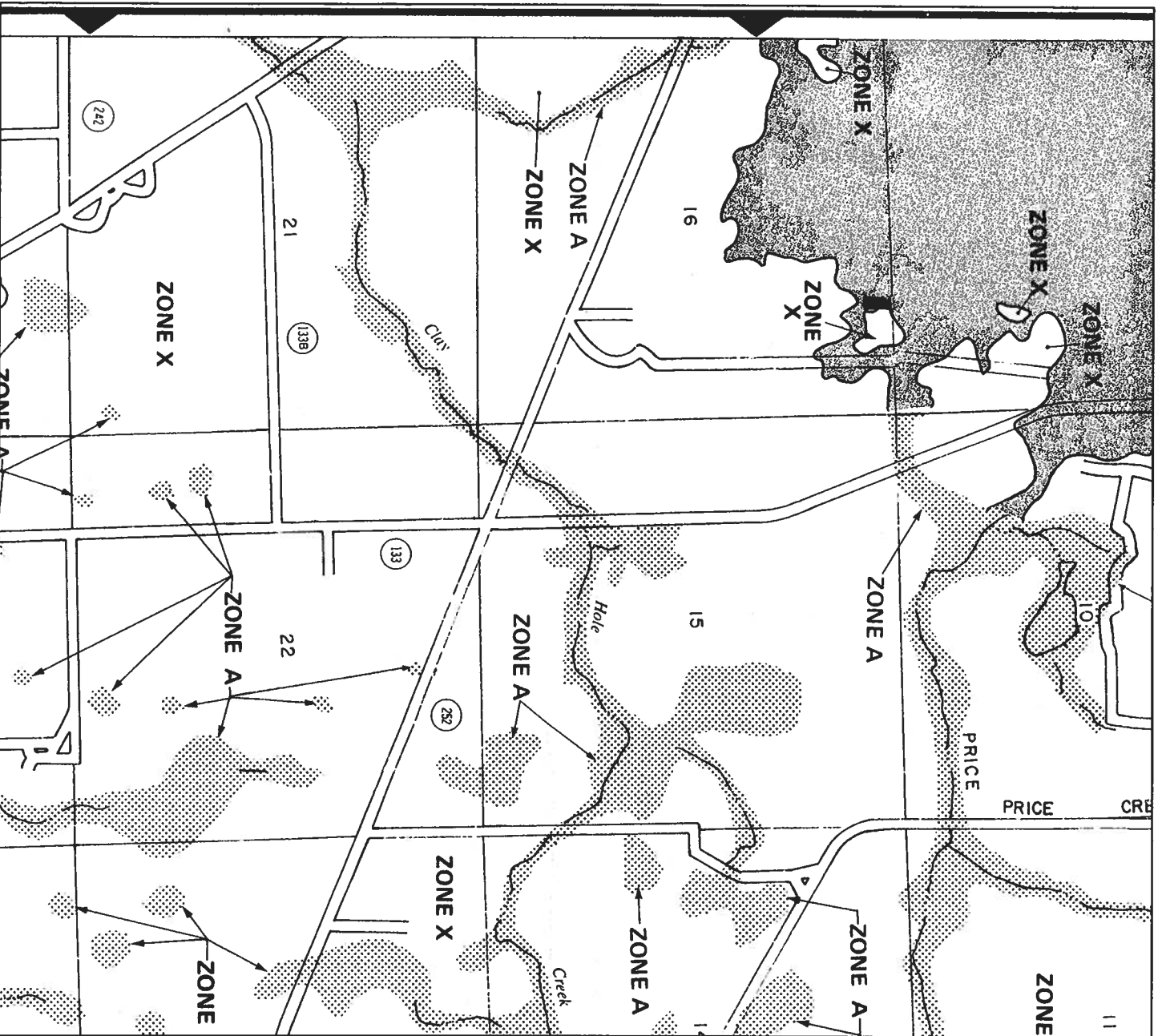
this 20th day of July

Personally known ✓ or Produced Identification



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

Amy P. Baker
 Notary Signature



APPROXIMATE SCALE IN FEET



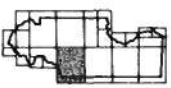
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION

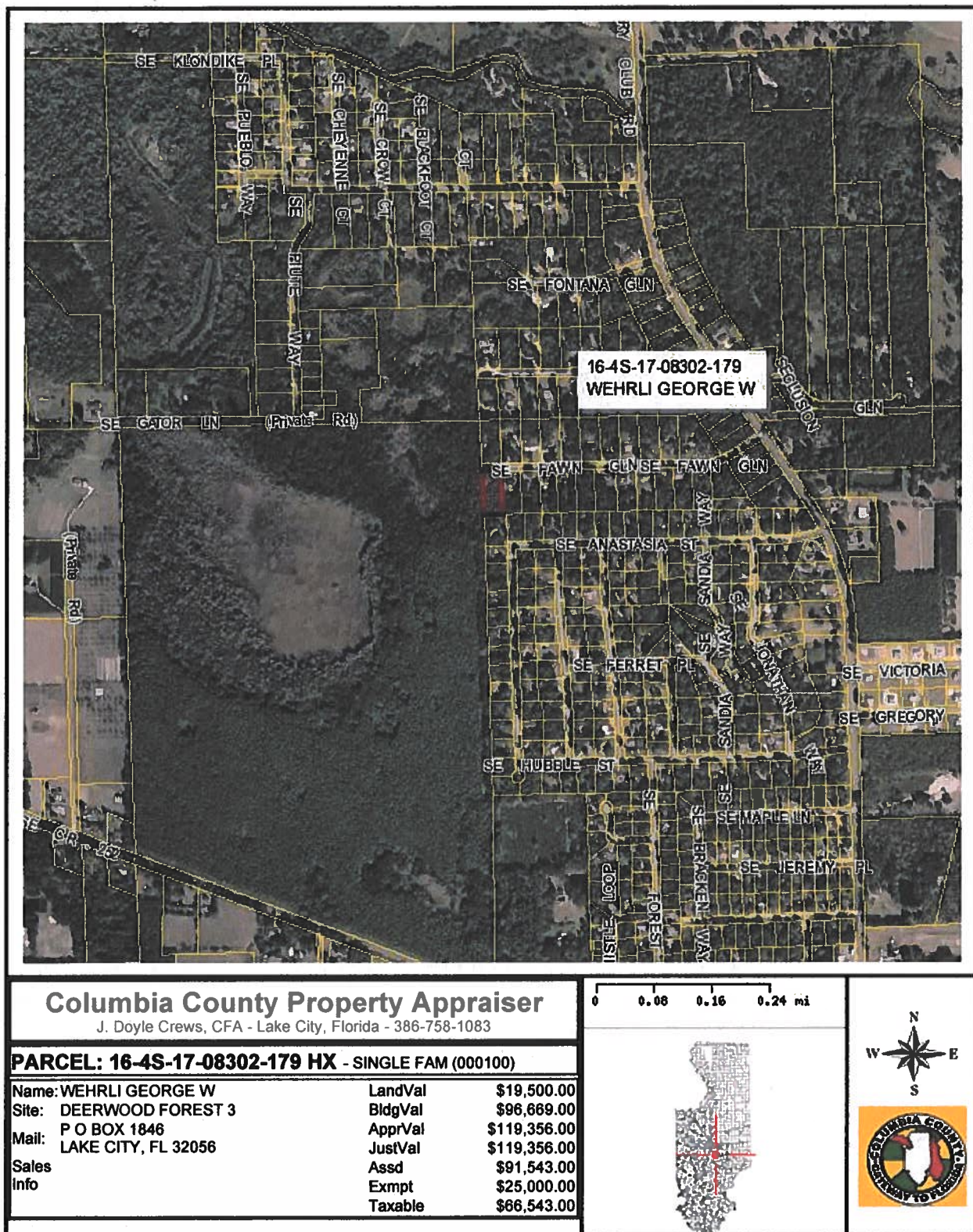


COMMUNITY-PANEL NUMBER
120070 0200 B
EFFECTIVE DATE:
JANUARY 6, 1988



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/nflsdc



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
☐ Farm Outbuilding
☐ New Construction

☐ Two-Family Residence

☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I George W. Wehrli, 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 _____

George W. Wehrli 07-20-06
Signature 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 7-20-06 Building Official/Representative

James Lamm

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Underwood	Builder:	GLENN I. JONES, INC.
Address:		Permitting Office:	COLUMBIA
City, State:		Permit Number:	24830
Owner:	Terry Underwood	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 45.5 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	0	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	480 ft²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 42.5 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble, U=0.7)	50.0 ft²		HSPF: 7.60
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	130.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 88.0(p) ft	a. N/A	
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 529.0 ft²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	PT,
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, 480.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH(Sealed):Interior	Sup. R=6.0, 60.0 ft		
b. N/A			

Glass/Floor Area: 0.27

Total as-built points: 4935

Total base points: 5175

PASS

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

PREPARED BY: W. B. Jones, Jr.DATE: 7-5-06

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

OWNER/AGENT: George W. W. W. W.DATE: 07-05-06

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X		SOF = Points		
.18	480.0	20.04	1731.5	Double,U=0.73,Clear	SW	0.0	0.0	30.0	40.74	1.00	1222.1
				Double,U=0.73,Clear	SE	0.0	0.0	50.0	43.33	1.00	2166.6
				Double,U=0.73,Clear	NW	0.0	0.0	50.0	26.61	1.00	1330.6
				As-Built Total:		130.0				4719.4	
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Exterior	529.0	1.70	899.3	Frame, Wood, Exterior		13.0		529.0	1.50		793.5
Adjacent	0.0	0.00	0.0								
Base Total:		529.0	899.3	As-Built Total:		529.0		793.5			
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Exterior	21.0	4.10	86.1	Exterior Wood		21.0		6.10		128.1	
Adjacent	0.0	0.00	0.0								
Base Total:		21.0	86.1	As-Built Total:		21.0		128.1			
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points		
Under Attic	480.0	1.73	830.4	Under Attic		30.0		480.0	1.73 X 1.00		830.4
Base Total:		480.0	830.4	As-Built Total:		480.0		830.4			
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Slab	88.0(p)	-37.0	-3256.0	Slab-On-Grade Edge Insulation		0.0		88.0(p)	-41.20		-3625.6
Raised	0.0	0.00	0.0								
Base Total:		-3256.0		As-Built Total:		88.0		-3625.6			
INFILTRATION				Area X BSPM = Points		Area X SPM = Points					
480.0		10.21	4900.8	480.0		10.21		4900.8			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 5192.1				Summer As-Built Points: 7746.6						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
5192.1	0.4266		2214.9	(sys 1: Central Unit 45500 btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 7747 1.00 (1.09 x 1.147 x 0.86) 0.244 0.950 1939.1 7746.6 1.00 1.081 0.244 0.950 1939.1						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	480.0	12.74	1100.7	Double,U=0.73,Clear	SW	0.0	0.0	30.0	12.93	1.00	387.9
				Double,U=0.73,Clear	SE	0.0	0.0	50.0	10.92	1.00	545.8
				Double,U=0.73,Clear	NW	0.0	0.0	50.0	20.42	1.00	1020.8
				As-Built Total:			130.0			1954.5	
WALL TYPES		Area X BWPM = Points		Type	R-Value			Area X WPM = Points			
Exterior	529.0	3.70	1957.3	Frame, Wood, Exterior	13.0			529.0	3.40	1798.6	
Adjacent	0.0	0.00	0.0								
Base Total:		529.0	1957.3	As-Built Total:			529.0			1798.6	
DOOR TYPES		Area X BWPM = Points		Type	R-Value			Area X WPM = Points			
Exterior	21.0	8.40	176.4	Exterior Wood				21.0	12.30	258.3	
Adjacent	0.0	0.00	0.0								
Base Total:		21.0	176.4	As-Built Total:			21.0			258.3	
CEILING TYPES		Area X BWPM = Points		Type	R-Value			Area X WPM X WCM = Points			
Under Attic	480.0	2.05	984.0	Under Attic	30.0			480.0	2.05 X 1.00	984.0	
Base Total:		480.0	984.0	As-Built Total:			480.0			984.0	
FLOOR TYPES		Area X BWPM = Points		Type	R-Value			Area X WPM = Points			
Slab	88.0(p)	8.9	783.2	Slab-On-Grade Edge Insulation	0.0			88.0(p)	18.80	1654.4	
Raised	0.0	0.00	0.0								
Base Total:			783.2	As-Built Total:			88.0			1654.4	
INFILTRATION		Area X BWPM = Points					Area X WPM = Points				
		480.0	-0.59				480.0		-0.59		
			-283.2						-283.2		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 4718.4				Winter As-Built Points: 6366.6						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
4718.4		0.6274	2960.3	(sys 1: Electric Heat Pump 42500 btuh , EFF(7.6) Ducts:Unc(S),Unc(R),Int(AH),R6.0 6366.6 1.000 (1.069 x 1.169 x 0.88) 0.449 0.950 2996.2 6366.6	1.00	1.104	0.449	0.950	2996.2	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier X Credit = Total
Number of	X	Multiplier	= Total	Volume		Bedrooms		Ratio		Multiplier
0		2635.00	0.0			0		1.00	2635.00	1.00 7905.0
				As-Built Total:						0.0

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
2215		2960		0		5175	1939		2996		0		4935

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
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.	



Project Summary
Entire House
GLENN I. JONES, INC.

Job: Remodel
Date:
By:

552 NW HILTON AVE, LAKE CITY, FL 32055 Phone: (386)7525389 Fax: (386)755-3401

Project Information

For: Terry Underwood

Notes:

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	34 °F
Inside db	68 °F
Design TD	34 °F

Summer Design Conditions

Outside db	95 °F
Inside db	75 °F
Design TD	20 °F
Daily range	M
Relative humidity	50 %
Moisture difference	40 gr/lb

Heating Summary

Structure	10981 Btuh
Ducts	549 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	11530 Btuh

Sensible Cooling Equipment Load Sizing

Structure	15199 Btuh
Ducts	1520 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	1.00
Equipment sensible load	16719 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	480	480
Volume (ft ³)	4800	4800
Air changes/hour	1.20	0.50
Equiv. AVF (cfm)	96	40

Latent Cooling Equipment Load Sizing

Structure	2011 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	2011 Btuh
Equipment total load	18729 Btuh
Req. total capacity at 0.70 SHR	2.0 ton

Heating Equipment Summary

Make	Carrier
Trade	Infinity Series - 38YDB Two-Speed Heat Pump
Model	38YDB04831

Efficiency	7.6 HSPF
Heating input	
Heating output	42500 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	1517 cfm
Air flow factor	0.132 cfm/Btuh
Static pressure	0.50 in H ₂ O
Space thermostat	

Cooling Equipment Summary

Make	Carrier
Trade	Infinity Series - 38YDB Two-Speed Heat Pump
Cond	38YDB04831
Coil	FV4ANF005

Efficiency	14 SEER
Sensible cooling	31850 Btuh
Latent cooling	13650 Btuh
Total cooling	45500 Btuh
Actual air flow	1517 cfm
Air flow factor	0.091 cfm/Btuh
Static pressure	0.50 in H ₂ O
Load sensible heat ratio	0.89

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



wrightsoft

Comfort Builder by Wrightsoft 6.0.55 RSRCAR41560

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2006-Jul-05 14:10:02

Page 1



Columbia County Property Appraiser

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

PARCEL: 16-4S-17-08302-179 HX - SINGLE FAM (000100)

Name: WEHRLI GEORGE W	LandVal	\$19,500.00
Site: DEERWOOD FOREST 3	BldgVal	\$96,669.00
Mail: P O BOX 1846	ApprVal	\$119,356.00
LAKE CITY, FL 32056	JustVal	\$119,356.00
Sales	Assd	\$91,543.00
Info	Exmpt	\$25,000.00
	Taxable	\$66,543.00

0 220 440 660 ft



This information, GIS Map Updated: 6/19/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Columbia County Property Appraiser

DB Last Updated: 6/19/2006

Parcel: 16-4S-17-08302-179 HX

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 5 Next >>

Owner's Name	WEHRLI GEORGE W
Site Address	DEERWOOD FOREST 3
Mailing Address	P O BOX 1846 LAKE CITY, FL 32056
Description	LOT 1 BLOCK B DEERWOOD FOREST UNIT 3. ORB 423-22, 451-424

Use Desc. (code)	SINGLE FAM (000100)
Neighborhood	9417.08
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$19,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$96,669.00
XFOB Value	cnt: (3)	\$3,187.00
Total Appraised Value		\$119,356.00

Just Value	\$119,356.00
Class Value	\$0.00
Assessed Value	\$91,543.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$66,543.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vtmp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1979	Common BRK (19)	2088	3132	\$96,669.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	0	\$1,500.00	1.000	0 x 0 x 0	(.00)
0080	DECKING	0	\$1,287.00	390.000	10 x 39 x 0	(.00)
0296	SHED METAL	2004	\$400.00	1.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$19,500.00	\$19,500.00

Columbia County Property Appraiser

DB Last Updated: 6/19/2006

1 of 5

Next >>

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

One Foot Rise Analysis and Certification, 100 Year Base Flood

**George Wehrli Residence Addition, 488 SE Fawn Glenn, Lot 1, Block B of Deerwood Forest Unit 3,
16-4S-17-08302-179, Columbia Co, FL**

- ☐ PROPERTY DESCRIPTION: 488 SE Fawn Glenn, Lot 1, Block B of Deerwood Forest Unit 3, 16-4S-17-08302-179, Columbia Co, FL
- ☐ OWNER: George Wehrli
- ☐ CONTRACTOR: Owner
- ☐ PROJECT: A 480 ft² addition to existing house on slab on grade stem wall foundation with filled stem wall.
- ☐ BASE FLOOD ELEVATION: 104' (Per FEMA Elevation Certificate, by Britt Surveying, Dated 01/05/05, furnished with permit application.)
- ☐ FLOOD ZONE: AE
- ☐ BASIN AREA AT BASE FLOOD ELEVATION: 2560 Acres (Calculated from FEMA flood plain data.)
- ☐ PROPOSED BUILDING AREA: Stem wall filled area 480 ft².
- ☐ PROPOSED BUILDING VOLUME BELOW FLOODPLAIN: (Slab) 480 ft² x 4' = 1920 ft³.
- ☐ EXISTING GRADE ELEVATION AT BUILDING LOCATION: 100' average for one foot rise calculations. (Note: Existing grade at building location based on FEMA Elevation Certificate, by Britt Surveying, Dated 01/05/05, furnished with permit application and owner's estimation of existing natural grade.)
- ☐ CALCULATIONS: The project only requires volume calculations in this area since it is not a flowing or riverine area.

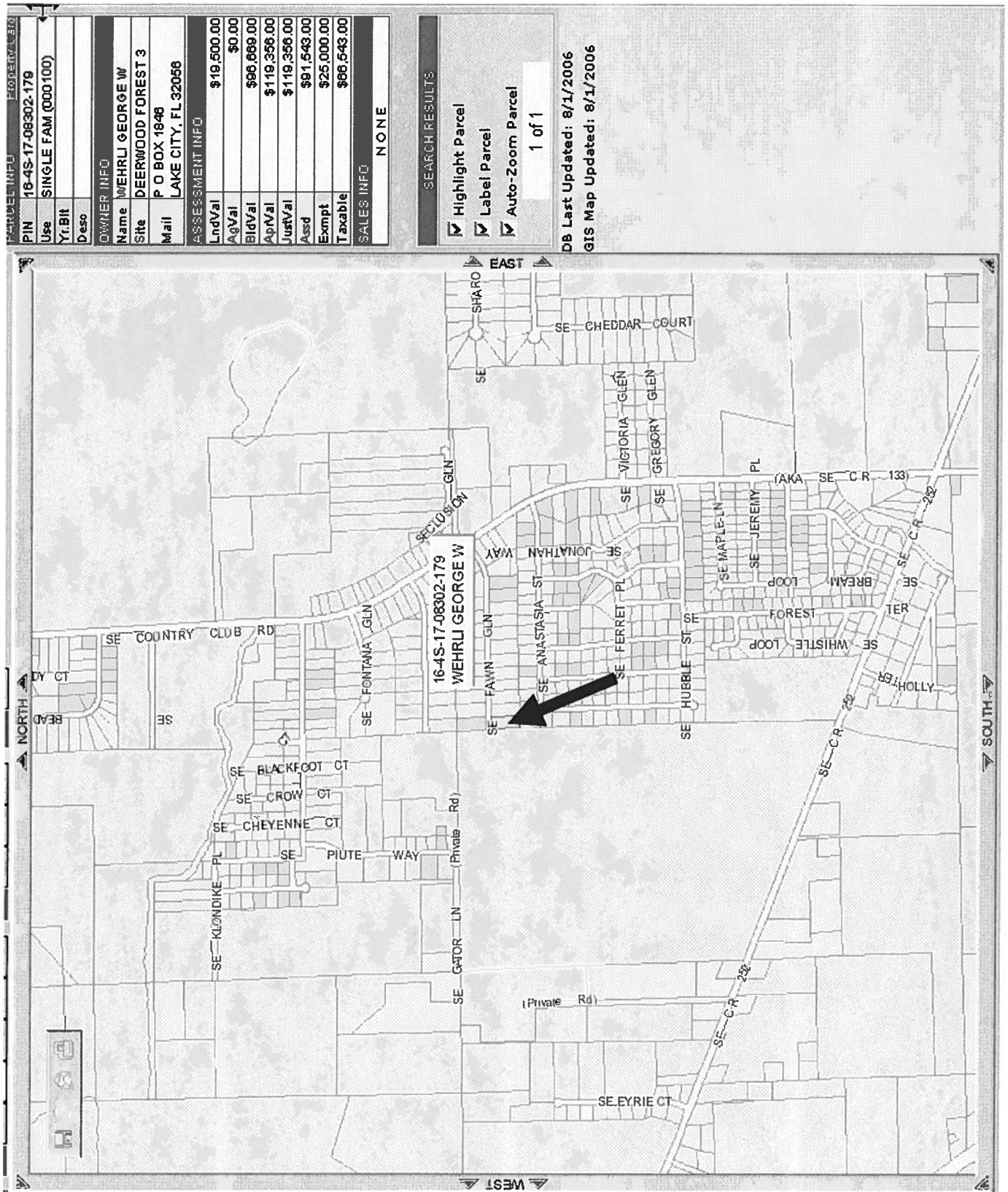
Floodplain volume removed = 1920 ft³

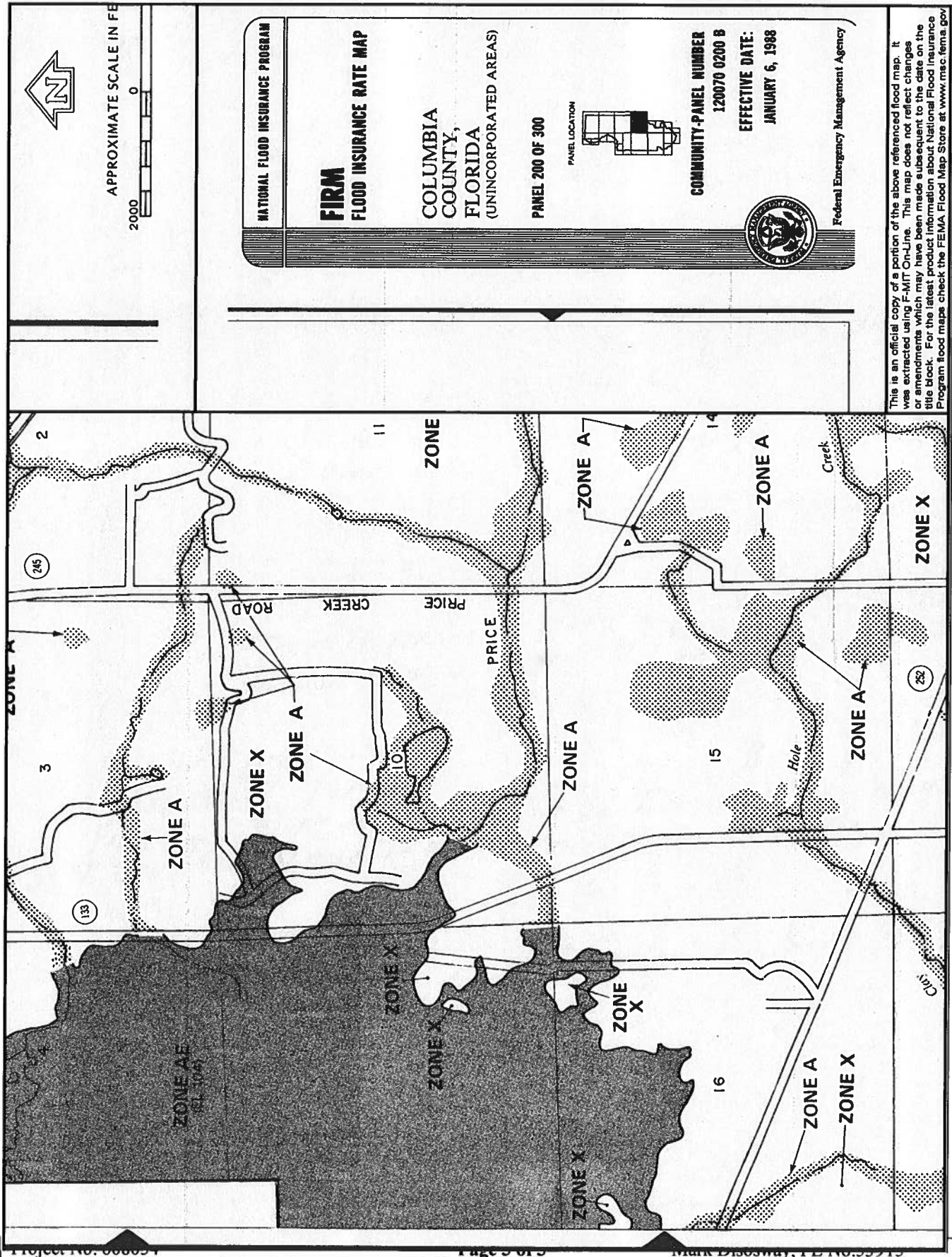
Floodplain level increase = (1920 ft³) / 43560 ft²/acre / 2560 acres = 0.000017 ft

CERTIFICATION:

I hereby certify that construction of George Wehrli Residence Addition, 488 SE Fawn Glenn, Lot 1, Block B of Deerwood Forest Unit 3, 16-4S-17-08302-179, Columbia Co, FL will increase flood elevations less than one foot at the project location, to the best of my knowledge.

Mark Disosway
04 AUG 06





This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

RECORDS SURVEY IN SECTION 16, TOWNSHIP 4 SOUTH
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

- LEGEND:
- 1. - CONCRETE MONUMENT FOUND.
 - 2. - CONCRETE MONUMENT, F.L.S. NO. 1074, SET.
 - 3. - POWER POLE.

DESCRIPTION:
LOT-1 IN BLOCKS OF "DEERWOOD FOREST UNIT THREE"
AS PER PLAT THEREOF RECORDED IN PLAT BOOK 4
PAGE 64 AND 64A OF THE PUBLIC RECORDS OF
COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS BASED ON PLAT OF RECORD.
3. SOME PORTIONS OF THIS PARCEL ARE IN "ZONE-AE" AND
HAS BEEN DETERMINED TO HAVE A BASE FLOOD
ELEVATION OF 104 FEET. SOME PORTIONS OF THIS
PARCEL ARE IN "ZONE-X" AND IS DETERMINED TO BE
OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD
INSURANCE RATE MAP, DATED 6 JAN 1989,
COMMUNITY PANEL NO. 120070 0200 B.
4. CERTIFIED TO:

- A. BARNETT BANK OF COLUMBIA COUNTY, FLORIDA.
- B. ABSTRACT AND TITLE SERVICE.
- C. GEORGE WEHRLI.

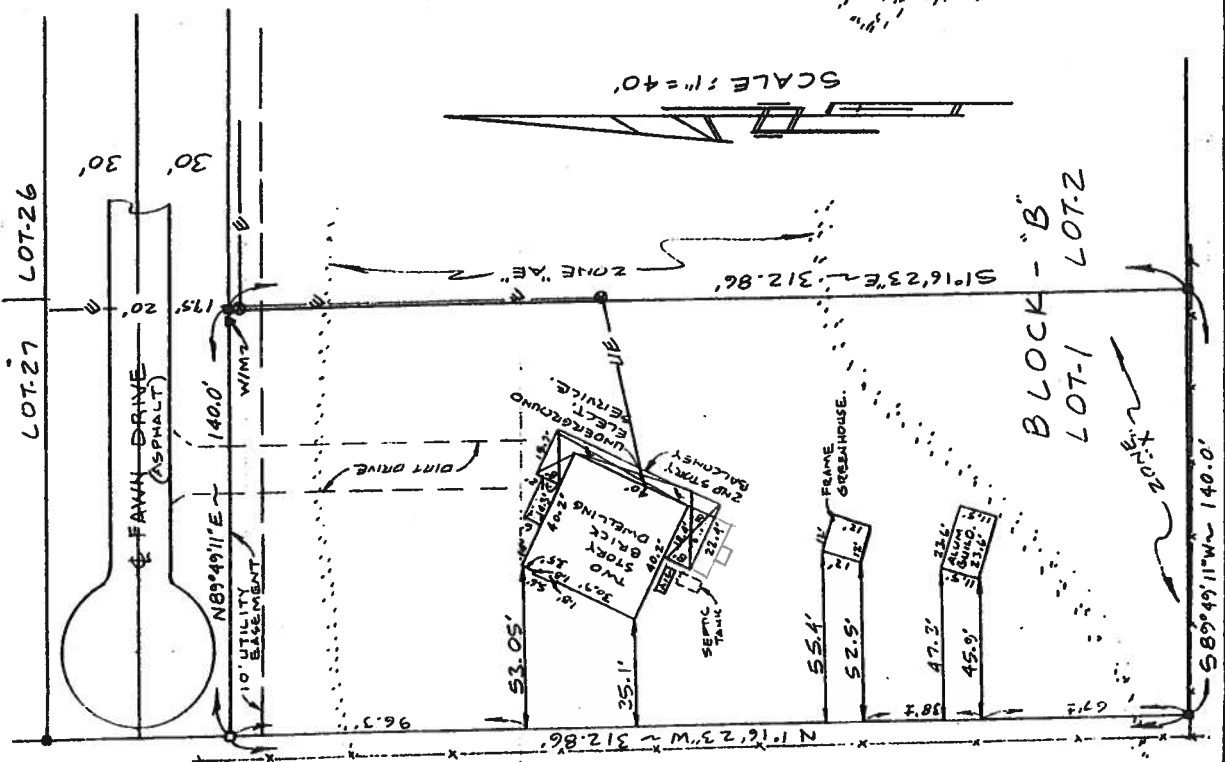
EXEMPTION'S CERTIFICATION:
I, THE UNDERSIGNED REGISTERED LAND SURVEYOR, HEREBY CERTIFY
THAT A SURVEY OF THE ABOVE DESCRIBED PROPERTY WAS MADE UNDER
MY DIRECTION AND THAT THIS IS A TRUE AND CORRECT REPRESENTATION
THEREOF TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THERE ARE
NO ENCUMBRANCES EXCEPT AS SHOWN AND THAT THE INFORMATION ARE
AS INDICATED HEREON. THIS SURVEY MEETS THE MINIMUM TECHNICAL
STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA.
(CHAPTER 21, § 21-4 F.A.C.)

LARSEN E. BELL, J.
F.L.S. CERT. NO. 1079

BRITT SURVEYING
1426 W. DUVAL STREET
LAKE CITY, FLORIDA 32055
(904) 752-7163

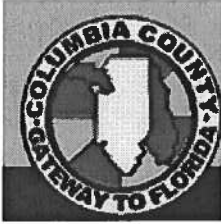
DATE: 21 JUNE 1989
FB: 96 PG: 75
FOR: GEORGE WEHRLI

1-4068



21	26	25	24	23	22	21	20
B	C	D	E	F	G	H	I
FAWN DRIVE							
2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41
42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57
58	59	60	61	62	63	64	65
66	67	68	69	70	71	72	73
74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97
98	99	100					

LOCATION SKETCH



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

Reference to a building permit application Number: **0607-51**
Owner/Builder George Wehrli 16-4s-17-08302-179

On the date of July 22, 2006 application 0607-51 and plans for construction of an addition onto a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0607-51 and when making reference to this application.

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

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

1. The foundation specifications plans require that the soils upon which the addition onto the structure have the ability to provide a load bearing

capacity no less than 2,000 Pound per square foot. The Columbia County Building Department only safely assumes that soils within Columbia County have a load bearing capacity of 1,000 per square foot. Therefore one of the two prescribed methods must be preformed to insure the proper load bearing soils to support the structure foundation. Method one: Have the architectural designer Mr. William Shiskin redesign the foundation to be so designed to support the structure using a load bearing capacity equal to 1,000 pound per square foot. Method two: Have the follow prescribed testing methods done to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

- 2.** Have Mr. William Shiskin show on the foundation plan the method which will be used to connect the existing foundation footers when they intersect or join to the new addition foundation footing.
- 3.** Mr. William Shiskin show the design method to provide for bracing gable ends with rake beams showing reinforcement or a gable truss and wall bracing details

4. Have Mr. William Shiskin show the method of attachment of the two 4"x 6" wood columns to the foundation and the attachments method which will be used to attach the 4"x10" beams onto the columns and the beams to the shear wall along with the number of jack and king studs to support the beams within the shear walls.

Joe Haltiwanger

A red ink signature of Joe Haltiwanger, written in a cursive style, positioned above the printed name.

Plan Examiner

Columbia County

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Masonite Int	Single Metal Edge Steel	FL 424 Lf
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Kinco Ltd	Windows	FL 123 Rf
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	ELK	Shingles	FL 1476 R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

Gary W. Nichols
APPLICANT SIGNATURE

07-20-06
DATE

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. ADD to 3444

Address 1115 536 SE Bay St

City Lake City Phone 752-1703

Site Location Subdivision 1

Lot# 1 Block# 1 Permit# 24830

Address 414 SE FAWN DR

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body				
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
<u>Addition</u>	<u>8-24-06</u>	<u>1115</u>	<u>80</u>	<u>GARY 251</u>
(Other)				

Name of Product Applied Premise .01 %

Remarks MAIN Body of Addition

Applicator - White • Permit File - Canary • Permit Holder - Pink

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. *****

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

Tax Parcel ID Number 16-45-17-08302-179-HX PERMIT NUMBER 000024830

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

Lot 1 Block B Deerwood Forest Unit 3

911 address - 488 S.E. Fawn Glen, Lake City FL 32025

mailing address - P.O. Box 1846 Lake City FL 32056-1846

2. General description of improvement: room addition 20' x 20'

3. Owner Name & Address George W. Wehrli P.O. Box 1846, Lake City FL 32056
Interest in Property _____

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

5. Contractor Name Owner Builder - George W. Wehrli Phone Number 386 755-3814
Address P.O. Box 1846 Lake City FL 32056-1846

6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____

7. Lender Name Bank of America Phone Number 386-258-3850
Address 158 NW Madison St. Lake City FL 32055

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

Name _____ Phone Number _____
Address _____

9. In addition to himself/herself the owner designates _____ Inst: 2006018759 Date: 08/08/2006 Time: 09:57
_____ to receive a copy of th _____ DC, P. Dewitt Cason, Columbia County B: 1092 P: 191

(a) 7. Phone Number of the designee _____

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

NOTICE AS PER CHAPTER 713, Florida Statutes:

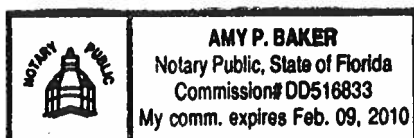
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

George W. Wehrli
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of July 20, 2006

NOTARY STAMP/SEAL

Amy P. Baker
Signature of Notary



**WILLIAM R. SHISKIN N.C.A.R.B.
REGISTERED ARCHITECT AR91545**

17642 N. W. 255 LANE
ALACHUA, FLORIDA
PHONE 386-462-3236

DATE: AUG 03 2006

REG : ADDENDUM NO. 1 TO DRAWINGS 2609

FOR : MR. TERRY ADERHOLD
ARCHITECTURAL FILE NO. 2609

THE FOLLOWING ITEMS ARE TO BE MADE PART OF THE CONSTRUCTION DOCUMENTS.

IN RESPONSE TO REQUEST BY COLUMBIA COUNTY BUILDING DEPARTMENT FOR INFORMATION FOR THE DOCUMENTS SUBMITTED FOR PERMIT (NO. 0607-51).

ITEM NO. 1

COLUMBIA COUNTY REQUIREMENTS OF 1,000 * SOIL BEARING CAPACITY PER SQ. FOOT WILL CHANGE THE FOOTING SIZE AS SHOWN ON DOCUMENTS FROM A 20" FOOTING TO A 2'-4" WIDE FOOTING BY 18" DEEP WITH 3* 5 BOTTOM CONTINUOUS AND PROVIDE ADDITIONAL 3*5 AT EACH CORNER AND EXTEND EACH LEG MINIMUM OF 60 DIA.

PROVIDE SOILS ENGINEER REPORTS VERIFYING PROCTOR OF 95% FOR INSPECTORS REVIEW ON EACH FOOTING PRIOR POURING.

ITEM NO. 2

EXISTING FOOTING IS AN UNFORSEEN ITEM AND THE CONTRACTOR SHALL EXPOSE EXISTING FOOTING AND EXTEND NEW FOOTING BOTTOM LEVEL TO EXISTING AND PROVIDE (3) CORE HOLES X 3/4" DIA. X MINIMUM OF 12" DEEP, CLEAN REMOVING ALL DUST AND EPOXY GROUT (3) NO. 5 AND EXTEND MINIMUM OF 40 DIA.

NOTE

IF EXISTING FOOTING IS LESS THAN 12" FROM FINISH GRADE, THE NEW FOOTING BOTTOM SHALL EXTEND 12" BELOW FINISH GRADE AND DOWELS SHALL EXTEND INTO NEW FOOTING WITH THE FOOTING WIDTH TO RECEIVE NEW DOWELS.

ITEM NO. 3

THE BRACING FOR GABLE END IS SHOWN ON WIND CALCULATIONS SHEET WC2 AND THE DISTANCE TO EXTEND THE BRACING IS SHOWN ON WC 1 (8'-0")

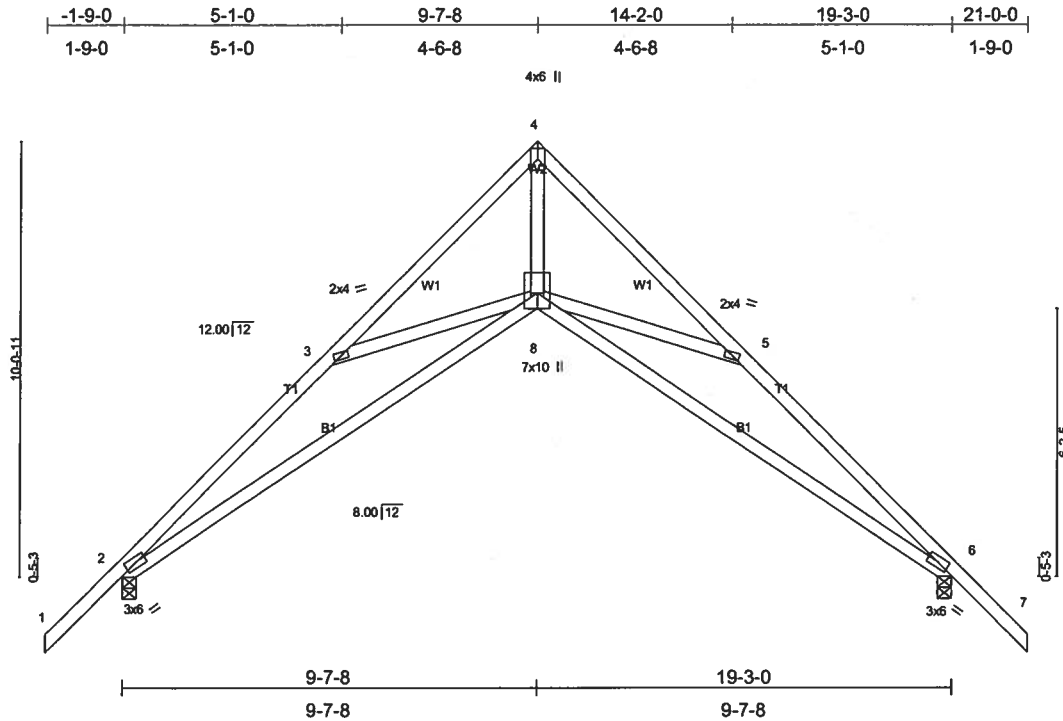
ITEM NO. 4

THE 4"X 10" WOOD BEAM SHALL EXTEND ON DOUBLE 2"X WITH 1/2" SPACER (TO EQUAL BEAM WIDTH) AND APPLY ADDITIONAL 2"X EACH SIDE OF WOOD BEAM AND STRAP WITH ANCHORS AS DESCRIBED ON WC1 (600* UP LIFT) TYPICAL EACH SIDE.

THE WOOD COLUMNS ARE ANCHORED TO FOOTING WITH ANCHORS AS DESCRIBED ON SHEET WC1.

William R. Shiskin
08-03-06

Job L201459	Truss T01	Truss Type SCISSORS	Qty 12	Ply 1	CASH ACCT - ADERHOLD - WEHRLI ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 10 08:37:15 2006 Page 1



Scale = 1:53.5

Plate Offsets (X,Y): [2:0-2-3,0-0-7], [6:0-2-3,0-0-7], [8:0-4-3,0-3-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	-0.27	6-8	>841	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.62	Vert(TL)	-0.45	6-8	>502	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.65	Horz(TL)	0.45	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 103 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-9-8 oc bracing.

REACTIONS

(lb/size) 2=898/0-4-0, 6=898/0-4-0
 Max Horz 2=348(load case 4)
 Max Uplift 2=-345(load case 5), 6=-345(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/66, 2-3=-2103/568, 3-4=-1714/162, 4-5=-1714/252, 5-6=-2103/446, 6-7=0/66
 BOT CHORD 2-8=-652/1766, 6-8=-223/1766
 WEBS 3-8=-306/524, 4-8=-245/2031, 5-8=-306/566

JOINT STRESS INDEX

2 = 0.82, 3 = 0.34, 4 = 0.56, 5 = 0.34, 6 = 0.82 and 8 = 0.80

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 345 lb uplift at joint 2 and 345 lb uplift at joint 6.

LOAD CASE(S) Standard

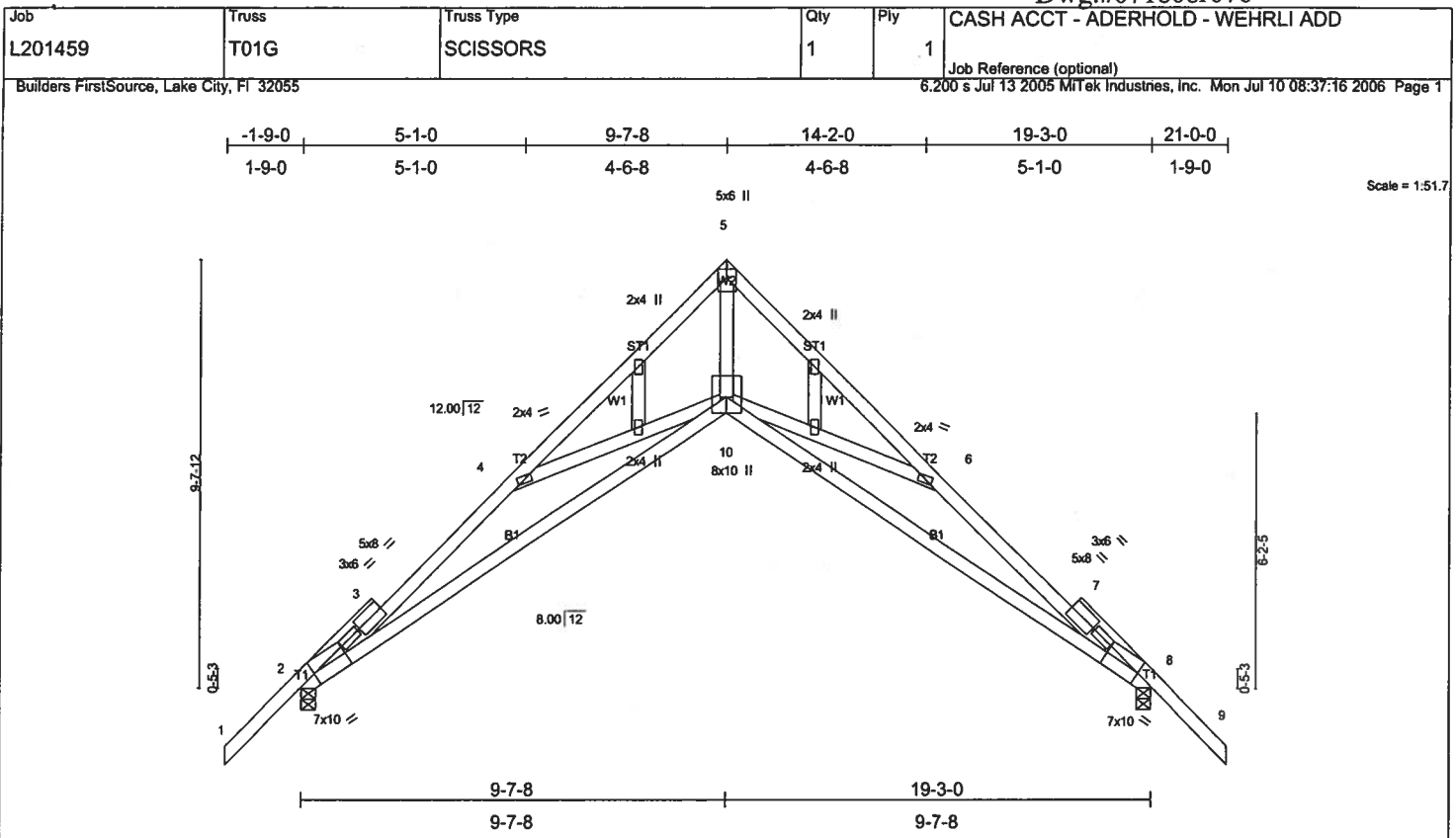


Plate Offsets (X,Y): [2:0-0-6,Edge], [3:0-2-4,0-1-8], [7:0-2-4,0-1-8], [8:0-0-6,Edge], [10:0-4-3,0-4-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.90	Vert(LL)	-0.44	2-10	>511	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.76	Vert(TL)	-0.72	2-10	>314		
BCLL 10.0	Lumber Increase 1.25	WB 0.69	Horz(TL)	0.99	8	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 113 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.1D
 WEBS 2 X 4 SYP No.3 "Except"
 W2 2 X 4 SYP No.2
 OTHERS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-0-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-1-9 oc bracing.

REACTIONS (lb/size) 2=1581/0-4-0, 8=1581/0-4-0
 Max Horz 2=-334(load case 3)
 Max Uplift 2=-606(load case 5), 8=-606(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-17/139, 2-3=-4535/1412, 3-4=-4401/1389, 4-5=-3260/629, 5-6=-3260/671, 6-7=-4401/1231, 7-8=-4535/1252, 8-9=-17/139
 BOT CHORD 2-10=-1176/3827, 8-10=-927/3827
 WEBS 4-10=-1025/812, 5-10=-608/3761, 6-10=-1025/812

JOINT STRESS INDEX
 2 = 0.79, 3 = 0.00, 3 = 0.41, 3 = 0.76, 4 = 0.53, 5 = 0.83, 6 = 0.53, 7 = 0.00, 7 = 0.76, 7 = 0.41, 8 = 0.79, 10 = 0.87, 11 = 0.34, 12 = 0.34, 13 = 0.34 and 14 = 0.34

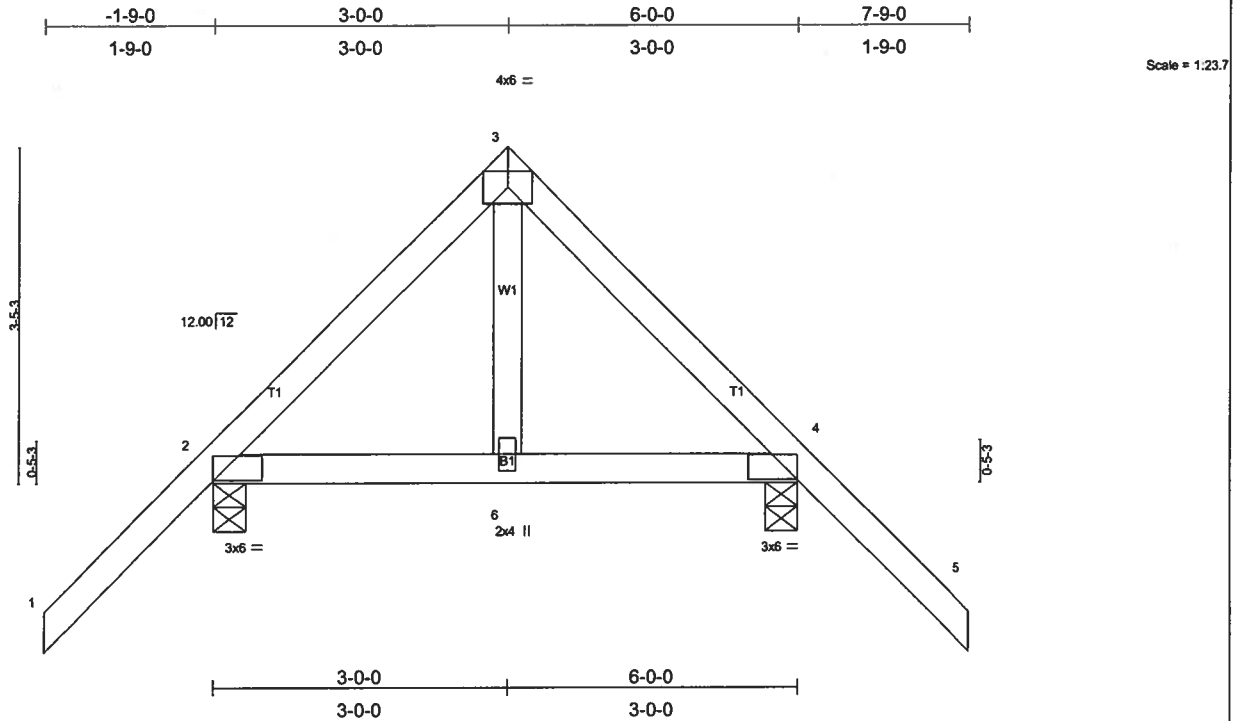
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) Gable studs spaced at 2-0-0 oc.
- 5) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 606 lb uplift at joint 2 and 606 lb uplift at joint 8.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-5=-114(F=-60), 5-9=-114(F=-60), 2-10=30, 8-10=30

Job L201459	Truss T02	Truss Type COMMON	Qty 3	Ply 1	CASH ACCT - ADERHOLD - WEHRLI ADD
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 10 08:37:17 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.32	Ver(LL)	0.01	2-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Ver(TL)	-0.00	2-6	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 34 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=342/0-4-0, 4=342/0-4-0
 Max Horz 2=-116(load case 3)
 Max Uplift 2=-269(load case 5), 4=-269(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/68, 2-3=-209/173, 3-4=-209/173, 4-5=0/68
 BOT CHORD 2-6=-31/161, 4-6=-31/161
 WEBS 3-6=-197/104

JOINT STRESS INDEX
 2 = 0.29, 3 = 0.07, 4 = 0.29 and 6 = 0.08

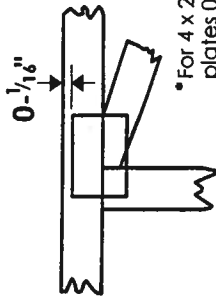
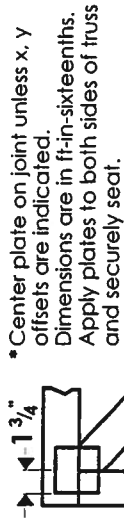
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 269 lb uplift at joint 2 and 269 lb uplift at joint 4.

LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 X 4

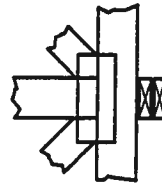
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use 1, I or Eliminator bracing if indicated.

BEARING

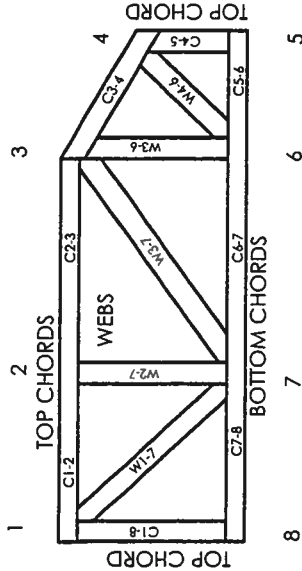


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

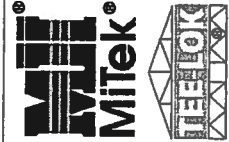


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



MiTek Engineering Reference Sheet: MIL-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

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BEARING HEIGHT SCHEDULE

PLATE1

NOTES:

- 1) REFER TO HB 91 RECOMMENDATIONS FOR HANDING INSTALLATION AND TEMPORARY BRACING REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2 o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTD26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED.
- 8) BEARING ADER/INTEL (AND) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VIDS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Expedited Delivery Date: _____

Approval By: _____ Date: _____



Bunnell

PHONE: 904-437-3349 FAX: 904-437-3444

Jacksonville

PHONE: 904-772-6100 FAX: 904-772-1973

Lake City

PHONE: 904-795-6644 FAX: 904-795-7973

Sanford

PHONE: 407-322-0054 FAX: 407-322-9553

BUILDER

TERRY ADERHOLD

WEHRLI ADDITION

TITLE: ADDITION		REVISION:	
CUSTOM		NTS	
DATE:	7-10-06	DESIGNED BY:	K.L.H.
		DATE:	L201454