Tommy Waters Custom Homes, Inc.
5225 S.W. 91st Terrace
Gainesville, Florida 32608
E-mail: TommyWatersHomes@aol.com
Website: www.twchinc.com

Phone: (352) 336-7600
Fax: (352) 336-7633

May 12, 2006

Columbia County Building and Zoning Department
135 NE Hernando Avenue Suite B-21
Lake City, FL 32055

Attn: Columbia County Building Department

To Whom It May Concern:

I, Tommy Waters, authorize Jamie Betz to pick up the building permit for Pete Herrick's Residence.

Tommy Waters
President

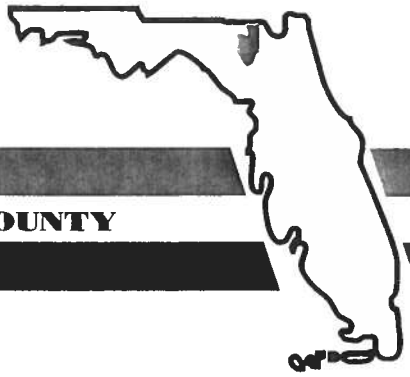
Sworn and subscribed before me on this 15th day of May 2006.

Notary Signature _____

NOTARY PUBLIC STATE OF FLORIDA
CYNTHIA B. ANDERSON
MY COMMISSION # DD 344393
EXPIRES: August 31, 2008

24505

24505



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

TO: John Kerce, Building & Zoning Director

FROM: Lisa K.B. Roberts, Assistant County Manager

DATE: March 20, 2006

SUBJECT: Permit Fee Waiver

Please be advised that the Columbia County Board of County Commissioners, in regular session held March 16, 2006, approved the waiver of county permit fees related to the construction of a handicapped home for Pete and Diana Herrick.

In accordance with the attached letter, the Coalition to Salute America's Heroes will be overseeing the construction of the home which will be located at 1350 SW Wilson Springs Road, Fort White, Florida.

By copy of this memorandum, Francis J. (Chuck) Theusch, project manager for the Coalition to Salute America's Heroes is notified of Board approval and may contact the Planning & Zoning Department for further instructions in processing the application.

If I may be of further assistance in this matter, please contact me at (386) 758-1005.

XC: Dale Williams, County Manager
Board of County Commissioners
Outgoing Correspondence

Coalition to Salute America's Heroes

3/16/06 agenda

www.saluteheroes.org

Dewey Weaver
County Commissioner
District #2, Columbia County
P. O. Box 1529
Lake City, FL 32056-1529

March 8, 2006

Re: Herrick Home
Fort White, Florida

Dear Commissioner Weaver,

Pursuant to our phone conversation of March 6 this will serve as our formal request for waiver of license, permit and any associated customary county fees and costs related to the processing of the construction of a handicapped home for Pete and Diana Herrick at 1350SW Wilson Springs Road, Fort White, Florida.

As you know, Pete is a tetraplegic , wounded in Iraq in the service of our country in the Global War on Terror. As project manager for the Coalition to Salute America'sHeroes, a 501 3 c Tax Exempt Foundation dedicated to helping the most severely wounded of our heroes who sacrificed so much, I wish to thank you on behalf of the Foundation, its founder Roger Chapin, Michael Meyer, Coalition Executive Director and Michael Lynch, Executive Director of Help Hospitalized Veterans, Inc, a major funding guarantor of these homes.

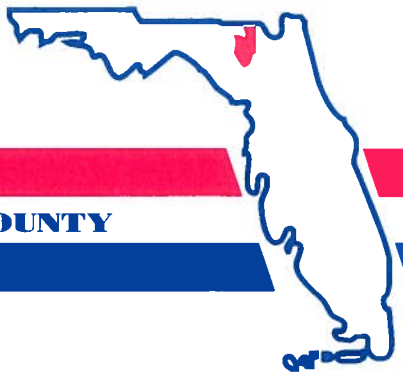
The list of local and national individuals and organizations that are making the "American Dream" possible for this family that has paid the price of freedom is a long one. We thank you and the Americans of Columbia County for your consideration of this request.

As Abraham Lincoln said "*let us bind up the nation's wounds; to care for him who shall have borne the battle, and for his widow, and his orphan—to do all that may achieve and cherish a just and lasting peace, among ourselves, and with all nations.*" *March 4, 1865*

Please call with any questions, advice or direction you may have regarding this request. I can best be reached ANYTIME at 414.507.6880. My e-mail: theusch@sbcglobal.net

Most Gratefully,

Francis J. (Chuck) Theusch
herrick3806



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Most Gratefully,

Francis J. (Chuck) Theusch
herrick3806

Tommy Waters Custom Homes, Inc.
5225 S.W. 91st Terrace
Gainesville, Florida 32608
E-mail: TommyWatersHomes@aol.com
Website: www.twchinc.com

Phone: (352) 336-7600
Fax: (352) 336-7633

April 20, 2006

Columbia County Building Department

To Whom It May Concern:

I herby authorize Kenneth Michael Smith to apply for Building permits for Tommy Waters Custom Homes, Inc. The Licensed Contractor is Robert D. Waters 5225 SW 91st Terrace, Gainesville, FL. 32608. License # CRC001928

Sincerely

Robert D. Waters

Robert D. Waters

Sworn and subscribed before me on this 20th day of April, 2006.

Notary Signature

NOTARY PUBLIC STATE OF FLORIDA
CYNTHIA B. ANDERSON
MY COMMISSION # DD 344393
EXPIRES: August 31, 2008

@ CAM112M01 CamaUSA Appraisal System Columbia County
4/24/2006 8:17 **Legal Description Maintenance** **46030 Land 002**
Year T Property Sel **AG 000**
2006 R 05-7S-16-04137-017 ... **52700 Bldg 001 ***
1350 WILSON SPRINGS RD SW FT WHITE **1500 Xfea 001**
HX HERRICK PETER R & DIANA R **100230 TOTAL B***

1	THE W 215.32 FT OF W1/2 OF	NE1/4 OF NW1/4 OF NE1/4,, EX RD	2
3	(ALSO DESC AS: THE W 215.32	FT LOT 17 RIVER OAKS ESTATES	4
5	S/D UNREC) & ALSO N1/2 OF N1/2	OF S1/2 OF NW1/4 OF NE1/4,, EX	6
7	THE W 330.68 FT & EX THE E	444.68 FT (ALSO DESC AS: N1/2	8
9	LOT 15 RIVER OAKS ESTATES	S/D UNREC). ORB 731-325,,	10
11	760-471,, 826-1877,, 828-361.	(AKA PART OF LOTS 15 & 17	12
13	RIVER OAKS ESTATES UNREC).		14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt **5/21/1998 TERR**

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

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8:23:28 AM

Public Services

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Change License Status
Maintain Account
Change My Address
View Messages
Change My PIN
View Continuing Ed

Term Glossary

Online Help

Licensee Details

Licensee Information

Name:	**WATERS, ROBERT D (Primary Name)**
	TOMMY WATERS CUSTOM HOMES INC (DB Name)
Main Address:	**5225 SW 91ST TERRACE** **GAINESVILLE Florida 32608**
County:	**ALACHUA**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Certified Residential Contractor**
Rank:	**Cert Residental**
License Number:	**CRC001928**
Status:	**Current,Active**
Licensure Date:	
Expires:	**08/31/2006**
Special Qualifications	**Qualification Effective**
Bldg Code Core Course Credit	
Qualified Business License Required	**07/16/2004**

View Related License Information

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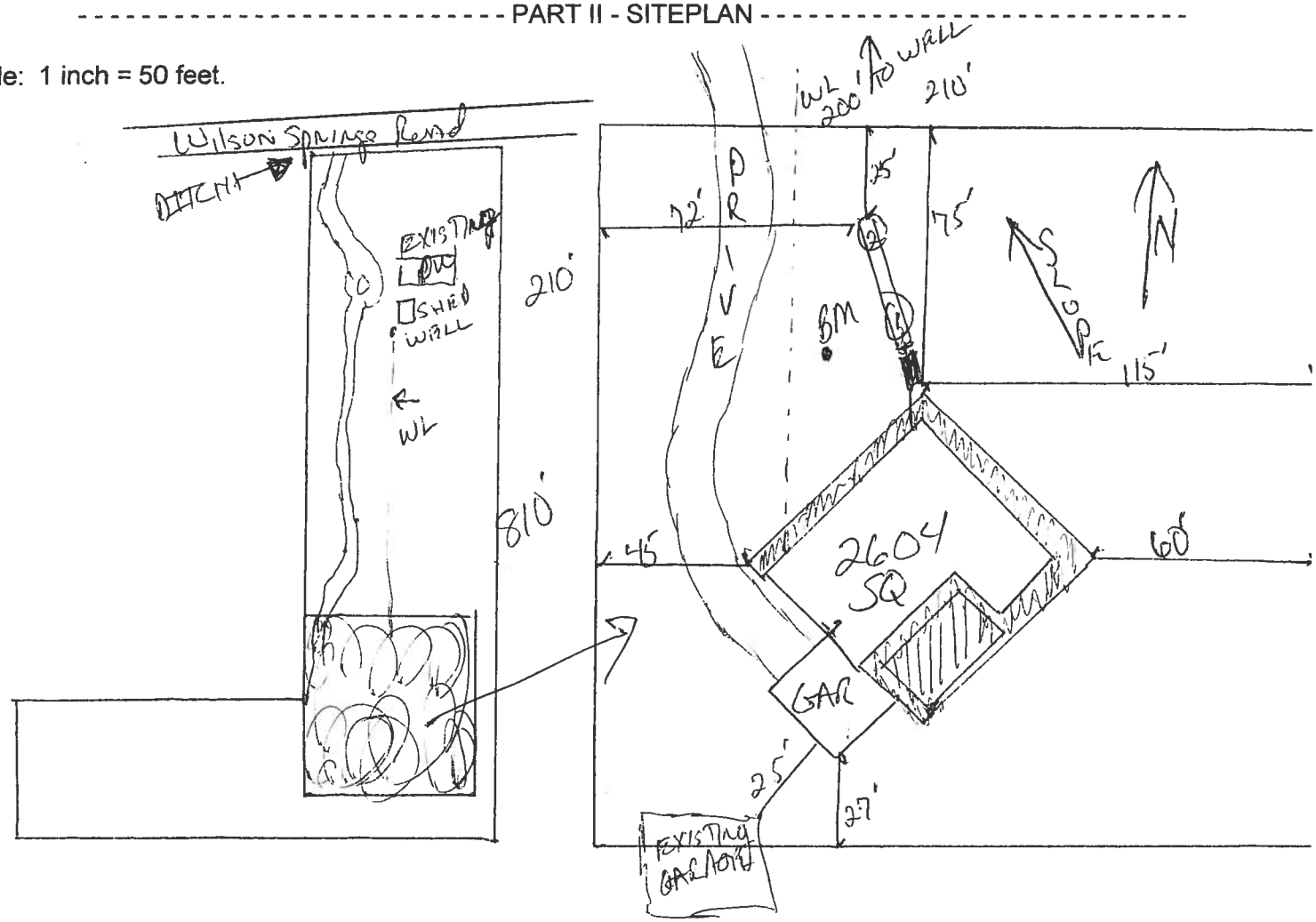
Herick

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0434N

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



Notes: 1 of 5 Acres

Site Plan submitted by: Rocky D Tyo MASTER CONTRACTOR

Plan Approved ✓ Not Approved ____ Date 5/31/06

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

TOMMY WATERS CUSTOM HOMES, INC.
5225 S.W. 91ST TERRACE
GAINESVILLE, FLORIDA 32608
E-MAIL: TOMMYWATERSHOMES@AOL.COM
WEBSITE: WWW.TWCHINC.COM

PHONE: (352) 336-7600
FAX: (352) 336-7633

May 12, 2006

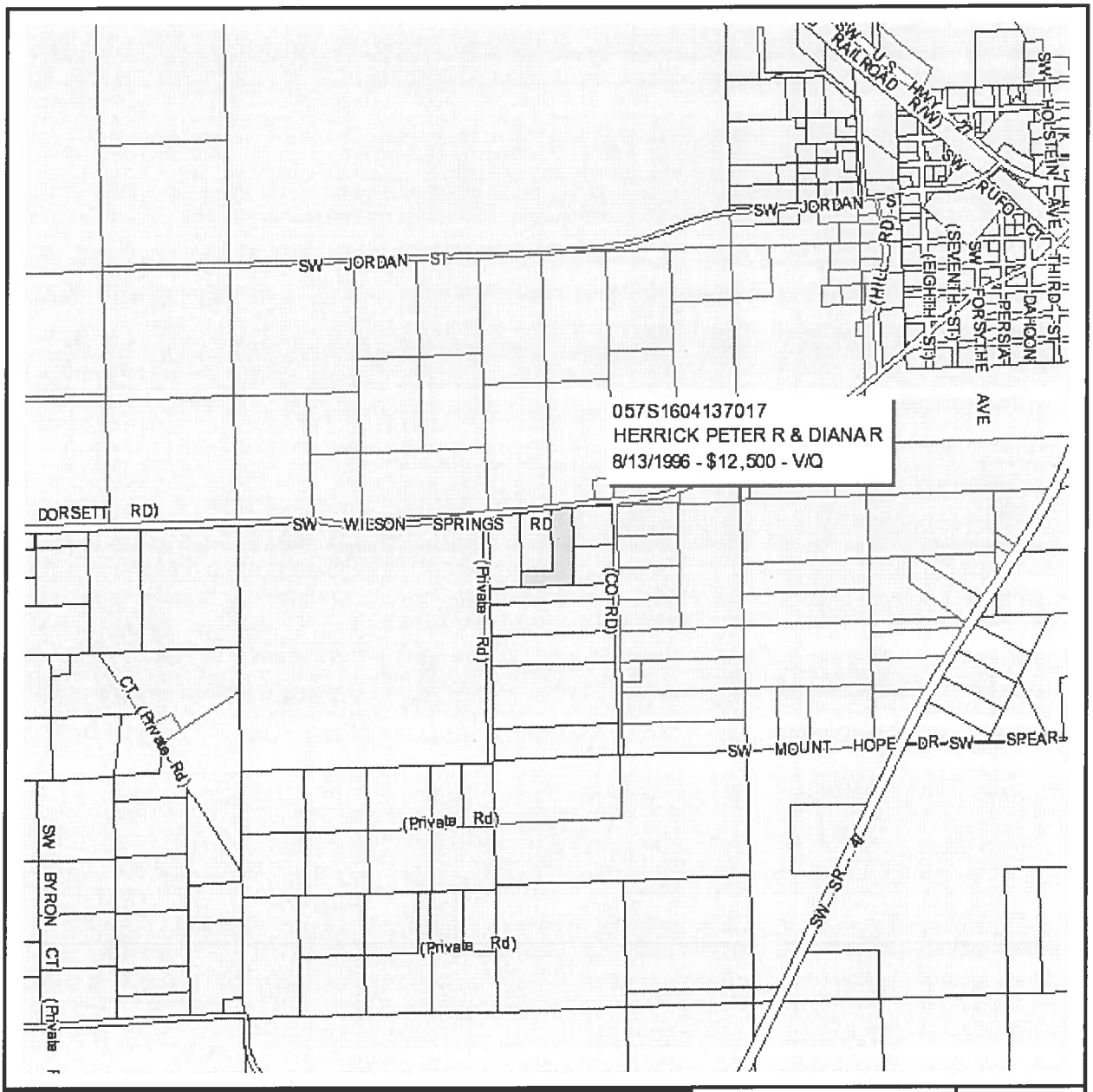
Columbia County Building and Zoning Department
135 NE Hernando Avenue Suite B-21
Lake City, FL 32055

Attn: Columbia County Building Department

To Whom It May Concern:

I, Tommy Waters, authorize Jamie Betz to pick up the building permit for Pete Herrick's Residence.

Tommy Waters
President



Columbia County Property Appraiser

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

PARCEL: 05-7S-16-04137-017 HX 13 - MOBILE HOM (000200)

THE W 215.32 FT OF W1/2 OF NE1/4 OF NW1/4 OF NE1/4, EX RD (ALSO DESC AS: THE W 215.32

Name:	HERRICK PETER R & DIANA R	LandVal	$46,030.00
Site:	WILSON SPRINGS	BldgVal	$52,700.00
Mail:	1350 SW WILSON SPRINGS RD FT WHITE, FL 32038	ApprVal	$100,230.00
		JustVal	$100,230.00
Sales	8/13/1996 $12,500.00 V / Q	Assd	$67,917.00
Info	9/12/1990 $11,000.00 V / Q	Exmpt	$67,917.00
		Taxable	$0.00

This information, GIS Map Updated: 4/6/2006, 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, it's use, or it's 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.

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	TWCH- Herrick	Builder:	Tommy Waters
Address:		Permitting Office:	COLUMBIA
City, State:	,	Permit Number:	24605
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2972 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description (Dble Default) Area 360.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 360.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 245.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=19.0, 2050.0 ft²	
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=19.0, 3550.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 144.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 60.0 kBtu/hr SEER: 12.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 56.0 kBtu/hr HSPF: 8.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons EF: 0.90	
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: 0.12

Total as-built points: 31821

Total base points: 38733

PASS

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

PREPARED BY: Summit Engineering

DATE: 11-28-05

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2972.0	20.04	10720.6	Double, Clear	NE	2.0	6.0	114.0	29.56	0.86	2908.7	
				Double, Clear	SW	2.0	6.0	84.0	40.16	0.80	2068.8	
				Double, Clear	SE	2.0	6.0	90.0	42.75	0.80	3087.9	
				Double, Clear	NW	2.0	6.0	92.0	25.97	0.87	2088.8	
				As-Built Total:				360.0			10154.2	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	2050.0	0.90		1845.0	
Exterior	2050.0	1.70	3485.0									
Base Total:	2050.0		3485.0	As-Built Total:				2050.0			1845.0	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				36.0	6.10		219.6	
Exterior	36.0	6.10	219.6									
Base Total:	36.0		219.6	As-Built Total:				36.0			219.6	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	2972.0	1.73	5141.6	Under Attic			19.0	3560.0	2.34 X 1.00		8307.0	
Base Total:	2972.0		5141.6	As-Built Total:				3560.0			8307.0	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	245.0(p)	-37.0	-9065.0	Slab-On-Grade Edge Insulation			0.0	245.0(p	-41.20		-10094.0	
Raised	0.0	0.00	0.0									
Base Total:			-9065.0	As-Built Total:				245.0			-10094.0	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	2972.0	10.21	30344.1					2972.0	10.21		30344.1	

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 40845.9			**Summer As-Built Points:**					**40775.9**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 60000 btuh ,SEER/EFF(12.0) Ducts:Con(S),Con(R),Int(AH),R8.0(INS)					
40845.9	0.4266	17424.9	40775.9	1.00	(1.00 x 1.147 x 0.91) 1.044	0.284	1.000	12105.0

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2972.0	12.74	6815.4	Double, Clear	NE	2.0	6.0	114.0	23.57	1.01	2720.8	
				Double, Clear	SW	2.0	6.0	64.0	16.74	1.11	1192.3	
				Double, Clear	SE	2.0	6.0	90.0	14.71	1.16	1555.3	
				Double, Clear	NW	2.0	6.0	92.0	24.30	1.01	2250.2	
				As-Built Total:				360.0			7718.8	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	2050.0	2.20		4510.0	
Exterior	2050.0	3.70	7585.0									
Base Total:	2050.0		7585.0	As-Built Total:				2050.0			4510.0	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				36.0	12.30		442.8	
Exterior	36.0	12.30	442.8									
Base Total:	36.0		442.8	As-Built Total:				36.0			442.8	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2972.0	2.05	6092.6	Under Attic			19.0	3560.0	2.70 X	1.00	9586.0	
Base Total:	2972.0		6092.6	As-Built Total:				3560.0			9586.0	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	245.0(p)	8.9	2180.5	Slab-On-Grade Edge Insulation			0.0	245.0(p	18.80		4606.0	
Raised	0.0	0.00	0.0									
Base Total:			2180.5	As-Built Total:				245.0			4606.0	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	2972.0	-0.59	-1753.5					2972.0	-0.59		-1753.5	

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**21362.8**	**Winter As-Built Points:**					**25109.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 56000 btuh ,EFF(8.0) Ducts:Con(S),Con(R),Int(AH),R8.0					
21362.8	0.6274	13403.0	25109.0 **25109.0**	1.000 **1.00**	(1.000 x 1.169 x 0.93) **1.087**	0.426 **0.426**	1.000 **1.000**	11635.6 **11635.6**

FORM 600A-2004 EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.90	3		1.00	2693.56	1.00	8080.7
				As-Built Total:							8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
17425	13403	7905	38733	12105	11636	8081	31821

PASS

FORM 600A-2004 EnergyGauge® 4.0

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 cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
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* = 86.4

The higher the score, the more efficient the home.

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 12.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2972 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 360.0 ft²			a. Electric Heat Pump	Cap: 56.0 kBtu/hr
	b. SHGC:					HSPF: 8.00
	(or Clear or Tint DEFAULT)	7b. (Clear) 360.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 245.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=19.0, 2050.0 ft²				EF: 0.90
	b. N/A				b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=19.0, 3550.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 144.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

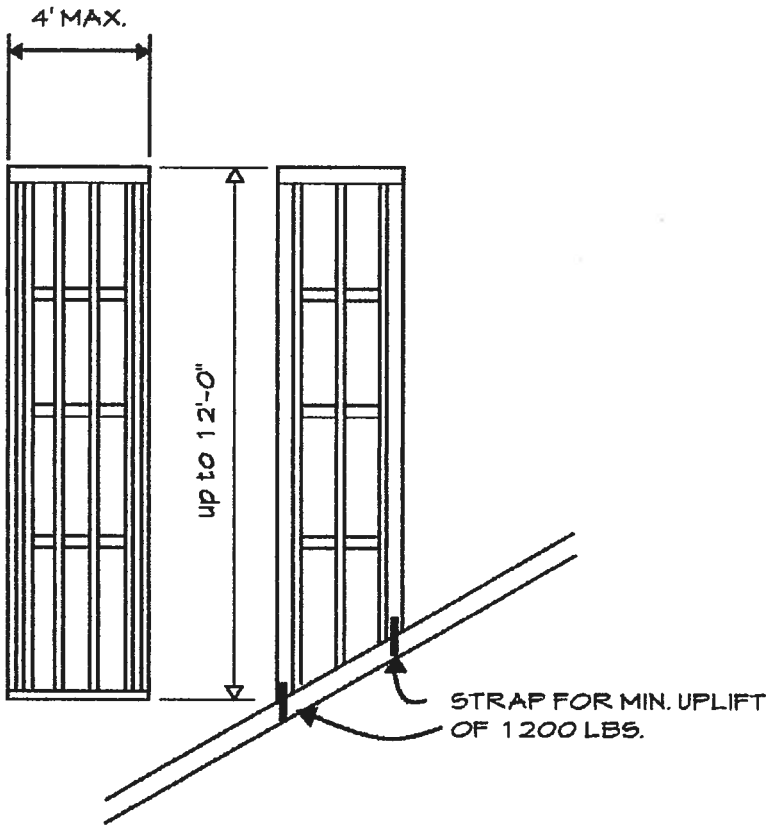
Address of New Home: _____ City/FL Zip: _____

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

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

Balloon frame up to 12'-0" with SPF, 16" O.C. horizontal blocking @ 4' and 8', 1/2" OSB sheathing nailed per wall sheathing eng., strap bottom corners to truss below (min. 1200 lb. per corner) with approved metal strap- (Simpson MSTA 24)

Chimney Framing Detail typ.



Wind Load Analysis and Certification

Herrick Residence

2004 FBC section 1609 according to ASCE 7-02
Basic Wind Speed = 110 MPH
Importance Factor = 1.0
Exposure Category = B
Applicable Internal Pressure Coefficient = .18
Design Wind Pressure for use of External Components = 31.1 psf
Mean Roof Height = 15.5'

11/16/05

Roof Decking
7/16" OSB or 5/8" CDX Decking; 48"x96" Sheets, Perpendicular to Roof Framing Members
8d common (.131" dia) nails at 4" O.C. on Ends, 8" O.C. in Interior
Trusses or Rafters at 2' O.C. (horizontal distance), No Intermediate Blocking Required
Rafters: 2x6 SYP #2 up to 10' horizontal span, 2x8 SYP #2 up to14' horizontal span

Shear Wall Segments
7/16" OSB, 48" Wide Sheets Placed Vertical - Sheathing Continuous from Top Plate down to Pressure Treated Sole Plate Bearing on Foundation.
8d common (.131" dia) nails at 3" O.C. on Edges and Ends, 8" O.C. in Interior
Transverse Shearwall = 76', Longitudinal Shearwall = 71'
2x4 SPF (No. 1&2) Studs at 16" O.C., up to 12' wall height
or: 2x6 SPF (No. 1&2) Studs at 16" O.C., up to 18' wall height
See attached detail for stud and jack requirements for wall openings
Nail Together Double Top Plate 6" O.C. w/12-d Common Nails (Spruce Top Plates)
Other Wall Segments - Same as Shear Walls

Gabled End Wall Framing
Balloon Frame (see details) or see attached alternate details.

Special Notes: No special corner framing required.

Footings and Foundations (Based on Truss Engineering)
20" deep x 14" wide monolithic with 2-#5's, Continuous
or: 20" Wide x 10" Deep 2500 psi Concrete Strip Footing with 2-#5's, Continuous
8"x8"x16" Concrete Masonry Stemwall, Minimum 2 Courses, Maximum 5 Courses, Fully Grouted, except sections over 3 courses need only cells with rebar to be grouted. 1-#5 Vertical Dowel at Corners and 8'-0" O.C. (10" hook top and bottom) (min 25" lap all #5 rebar) **(1) #5 continuous top course. All 4" slabs requires 6x6 WWM**
Interior footers: 16" wide by 10" deep (including 4" slab) with 2-#5's, Continuous,
Porch Footers: see above or: 8" wide by 8" deep bell footing with 1-#5, Continuous with minimum of 24"x24" x 12" pad under each post (w/ 2- #5 each way) or 16" deep x 12" wide monolithic with 2-#5, Cont. with no pads.
Note: footer design based on continuous bearing. Continuous footers (grade beams) for pier foundation systems must be designed by pier foundation subcontractor. Footers for any concentrated loads greater than 10,000 lbs must be reviewed with windload engineer.

Hurricane-Resistance Hardware (Based on Truss Engineering)
Truss Clips/Headers/Girders/Posts/Beams /Top and Bottom of Wall Unit - See Table
Anchor Bolts- A-307 (1/2"Dia. x 8") at 48"O.C. (First bolt at 9" from Corner, then 48" O.C.) and at each end of Each Shearwall Segment (2" round or square washers).

I hereby certify that the accompanying Wind Load Analysis for the **Herrick Residence**, demonstrates compliance with the 2004 FBC section 1609 according to ASCE 7-02, to the best of my knowledge.

Frank J. Sapienza Jr.
License Professional Engineer
Florida License Number 48566

HOLD-DOWN TABLE **Herrick Residence** **11/16/2005**

Wood Sections

	Uplift Force Lbs	Top Connector Simpson **	Rating Lbs	Bottom Connector Simpson **	Rating Lbs
HEADERS					
	up to 455 lbs	LSTA9	725	H3	455
	up to 910 lbs	LSTA12	905	2-H3	910
	up to 1265 lbs	LSTA18	1265	LTT19	1350
	up to 1750 lbs	2-LSTA12	1810	LTT20	1750
	up to 2530 lbs	2-LSTA18	2530	HD2A-2.5	2565
	up to 2865 lbs	3-LSTA18	3255	HD2A-3.5	2865
	up to 3700 lbs	3-LSTA24	3880	HD5A-3	3700

To determine uplift force on header at each end, total the uplifts for each truss resting on the header and divide by 2 (assumes uniform load) Note: must use proper bolt anchors sufficient to support required load

Trusses/Girders

up to 500 lbs - use H2.5 top, no special device required at bottom
over 500 lbs but under 1050 lbs use H10 top, no special device required at bottom
up to 1350 lbs use TS22 or equivalent at top and LTT19 at bottom
up to 1750 lbs use 2-TS22 or equivalent at top and LTT20 at bottom
up to 2570 lbs use 2-TS22 or equivalent at top and HD2A bottom
up to 3665 lbs use 3-TS22 or equivalent at top and HD5A bottom
up to 5260 lbs use 2-MSTI48 or equivalent at top and HTT22 bottom
up to 8300 lbs use 2-MST48 or equivalent at top and HD10A bottom

Note: Two (2) 12d comm toenails required per truss/rafter per bearing point into plate.
Must Use proper bolt anchors

Note: it is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation

Strap rafters to truss or at each end with min uplift resistance of 450 lbs each end
Strap ridge beam at each end with min uplift resistance of 1800 lbs

BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (Max post spacing = 10')	2-LSTA18	2400	ABU44	2300
*** or per truss engineering**			Must Use proper bolt anchors	

STUDS

Wall Sheathing Nailing Adequate Exterior Walls bottom (8d nails at 3"O.C.)
Wall Sheathing Nailing Adequate Exterior Walls Top (8d nails at 3"O.C.), as long as sheathing covers top plate, otherwise use SP2 @32" O.C. in addition to sheathing nailing,
Use SP2 top and SP1 bottom each stud for all interior load bearing walls and Anchor bolts at 32" O.C.
Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 6" wedge anchor or equiv.

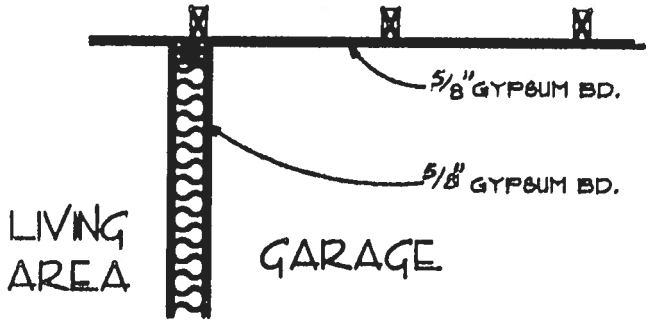
Please Note: All Beams must be sheathed or strapped to Double Top Plate (if applicable)

** an equivalent device of same or other manufactures can be substituted for any of the devices specified on this page as long as it meets the required load capacities (uplift resistance)

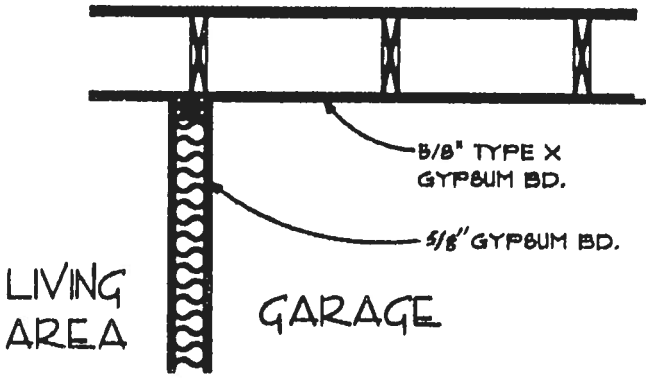
Note: For nailing into SPF members, multiply table values by .86

11/16/05

ATTIC SPACE



BONUS ROOM

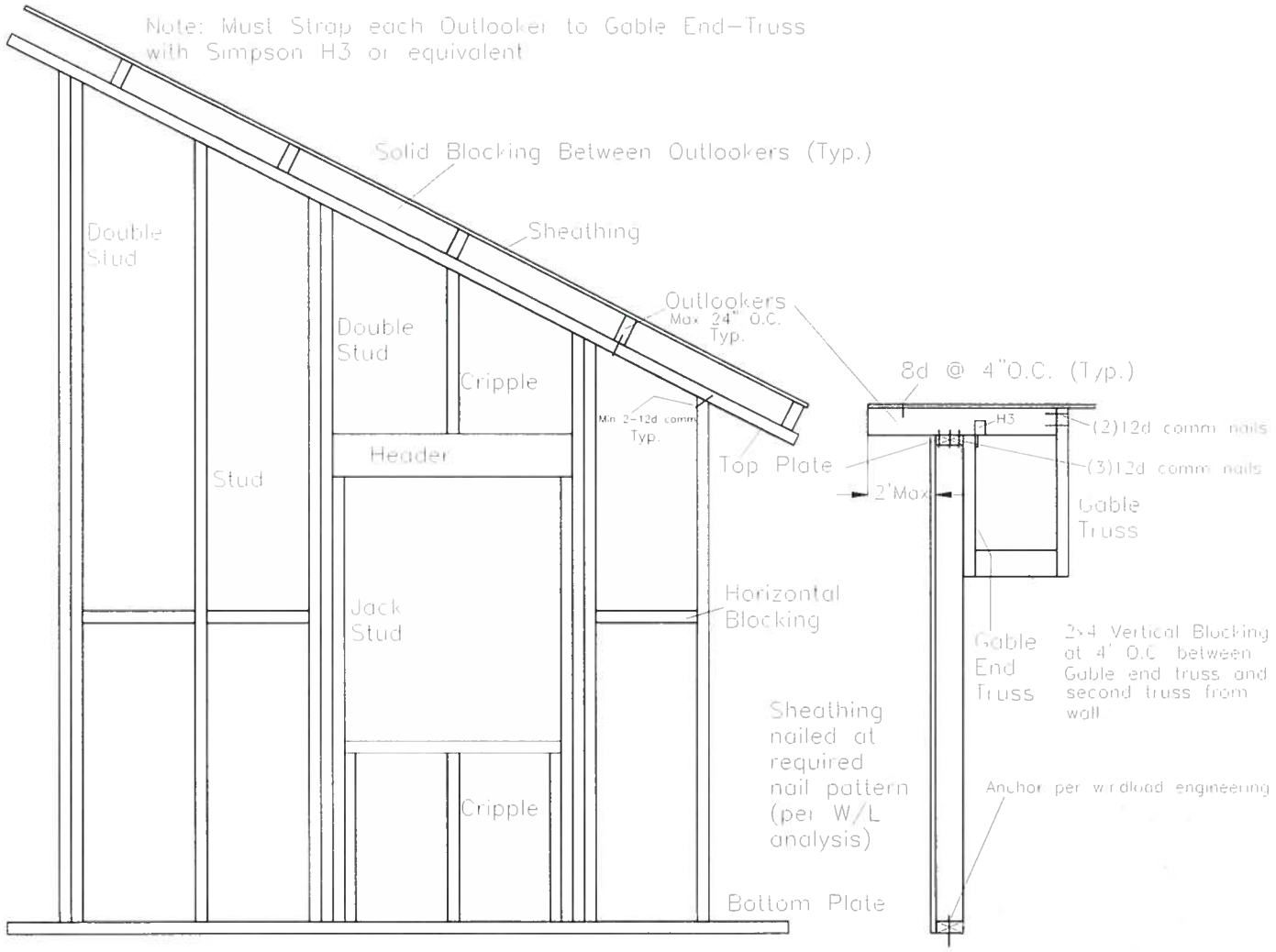


Acceptable Framing Method for Balloon Framed Gable End–Wall with trusses

Balloon Frame with 2x4 SPF No.1&2 @ 16" O.C. with the Following Conditions:
Up to 12' – Block at 8'
Over 12' but Under 14' – 2x4 SYP #2 at 16" O.C. and Block at 4',8'&12'
Over 14' but Under 17' – Double 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 17' but Under 20' – Triple 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 20' but Under 23' – Quadruple 2x4 SYP #2 at 16" O.C.and block at 4',8',12',16'&20'
Over 23' – Must be Engineered

In all cases a minimum of a double full length stud is required at each side of openings such as doors and windows

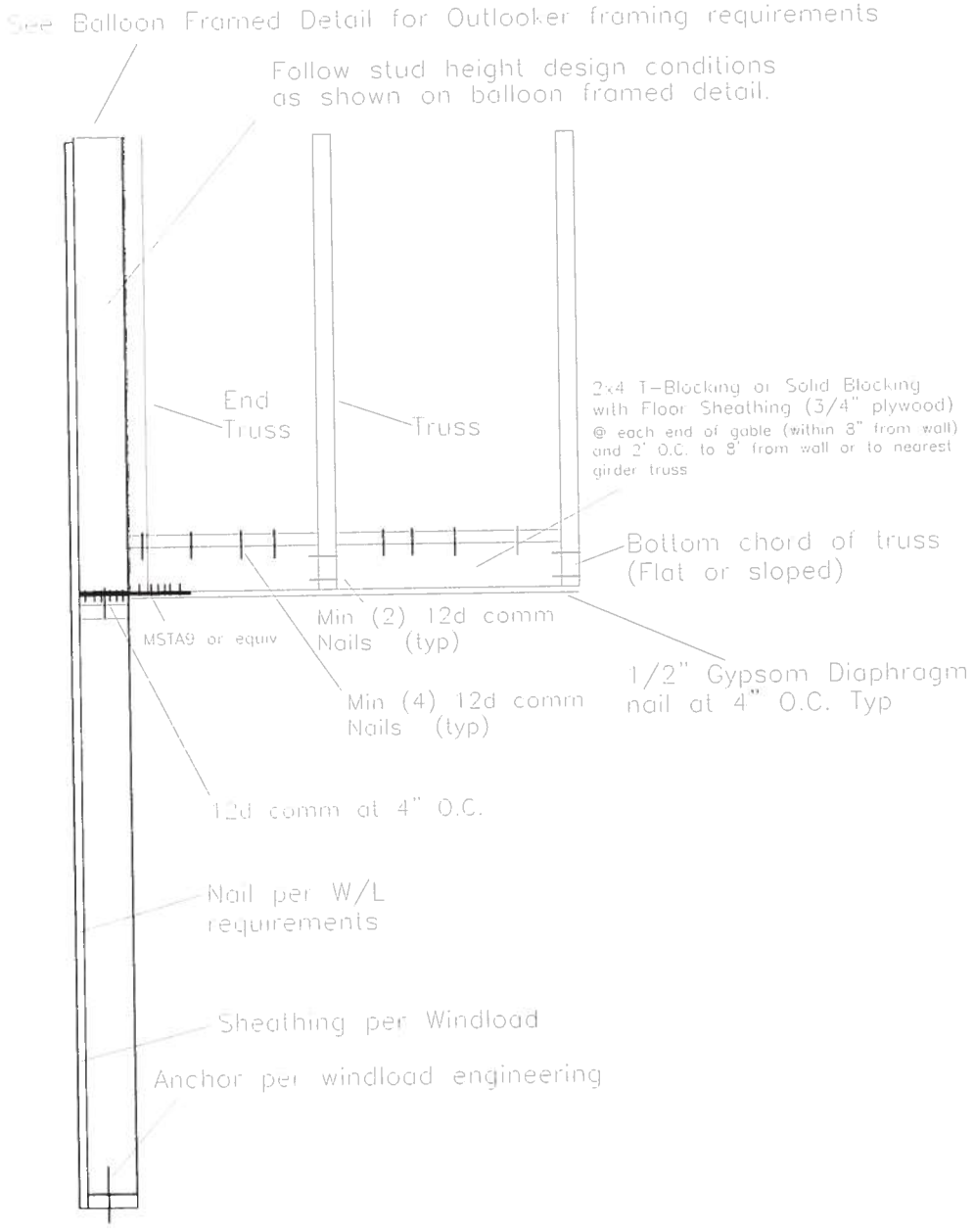
Blocking must be parallel to top and bottom plates with a minimum of 2–12d comm nails



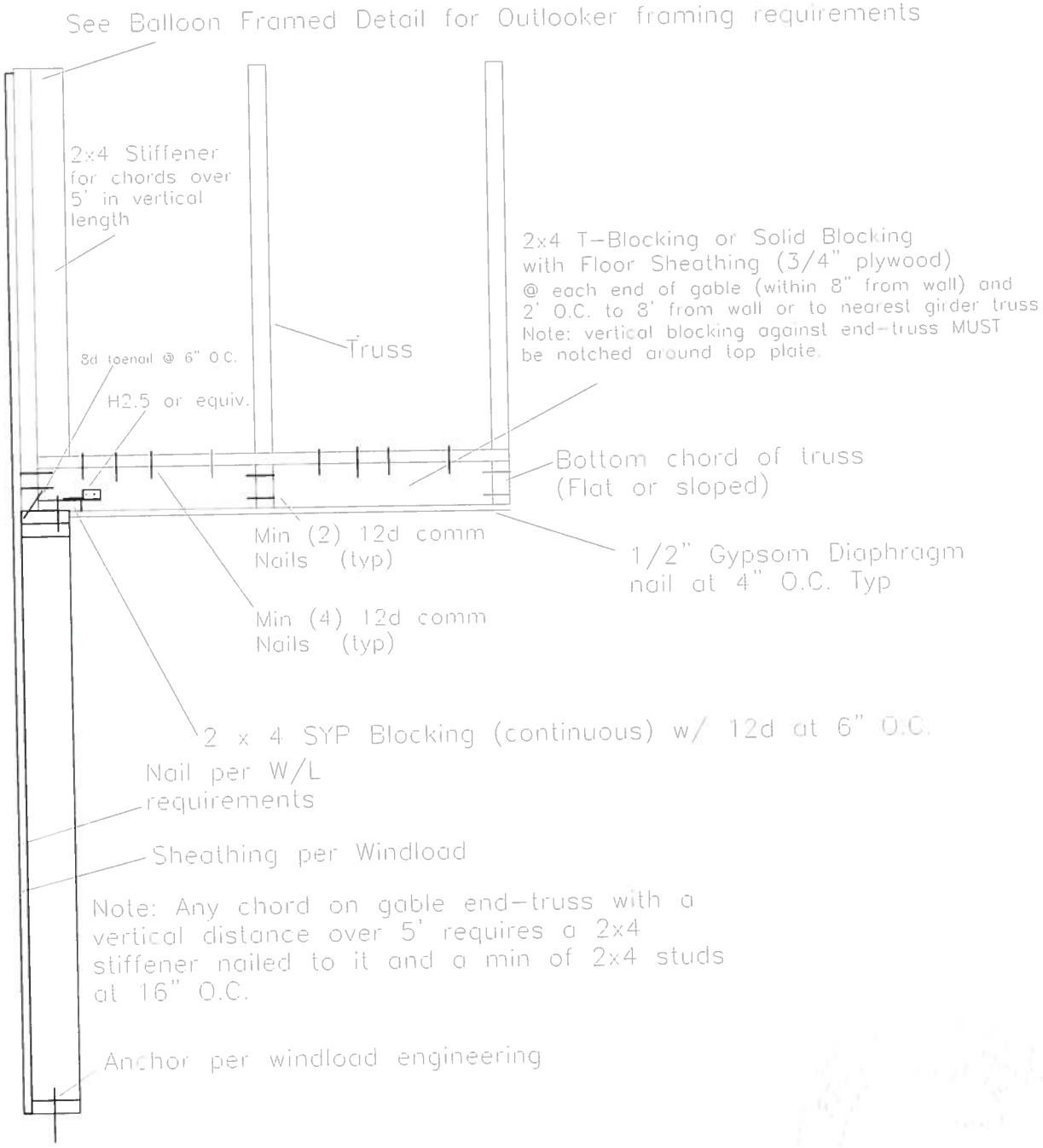
F. Sapienza, P.E. 11/05

11/16/05

Gable Endwall Framing
with Gable End–Truss

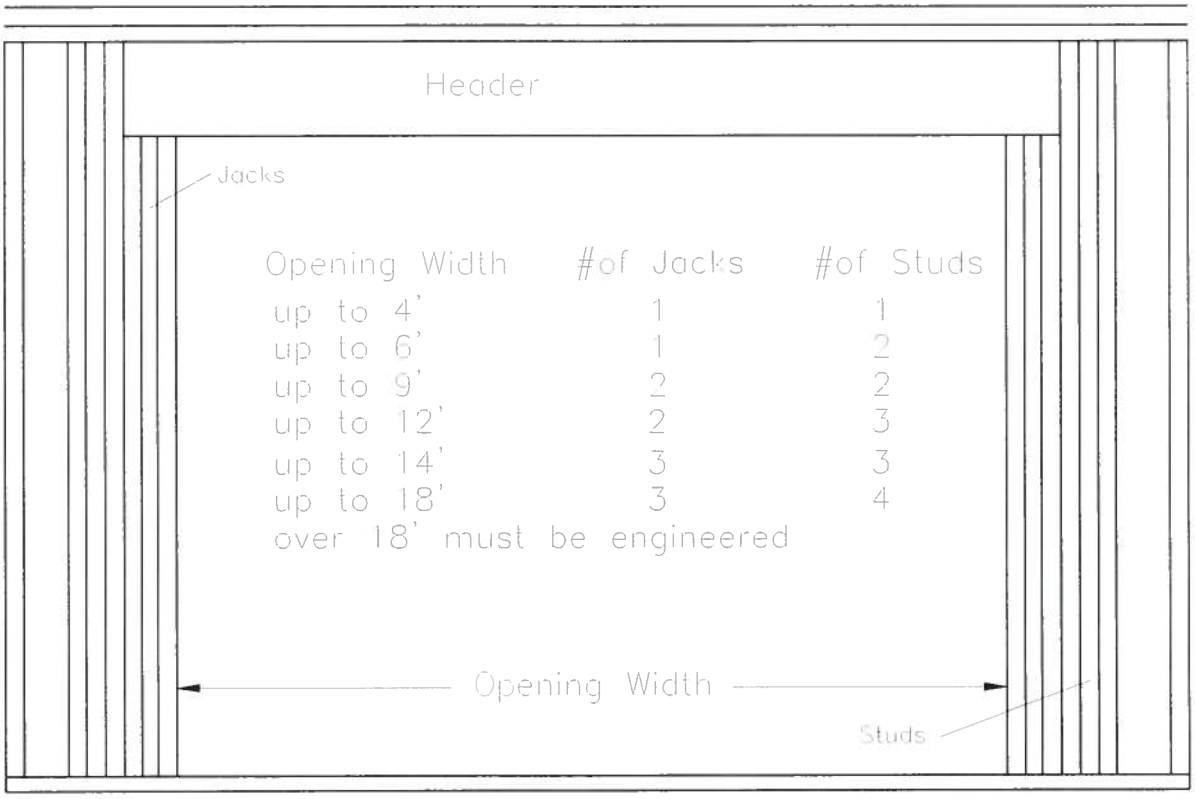


Gable Endwall Framing with Gable End–Truss



11/16/05

Number of Jack and Stud Requirements per Opening Width
2x4 or 2x6 SPF #1&2 Construction – max Wall Height=12'
(based on 16" O.C. Stud Spacing)



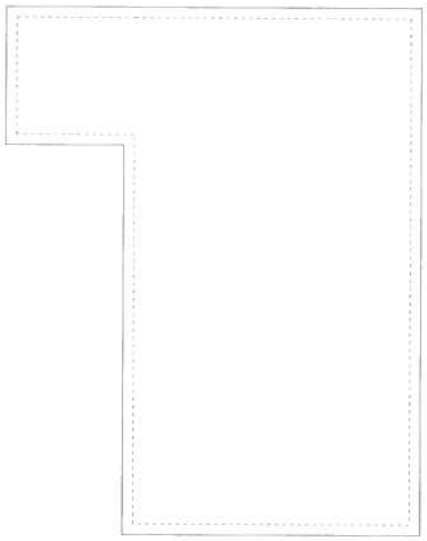
Opening Width	#of Jacks	#of Studs
up to 4'	1	1
up to 6'	1	2
up to 9'	2	2
up to 12'	2	3
up to 14'	3	3
up to 18'	3	4

over 18' must be engineered

Note – Based on uniform loads. Heavy concentrated loads require engineering review

11/10/05

Project Name: Herrick Residence



Location:

By: F Sapienza

Start Date: 11/16/2005

Comments:

Local Information

Wind Dir.	Exposure
1	B
2	B
3	B
4	B

Basic Wind Speed: 110 mph

Topography: None

Optional Factors

This project uses load combinations from ASCE 7.

Section - Main Section

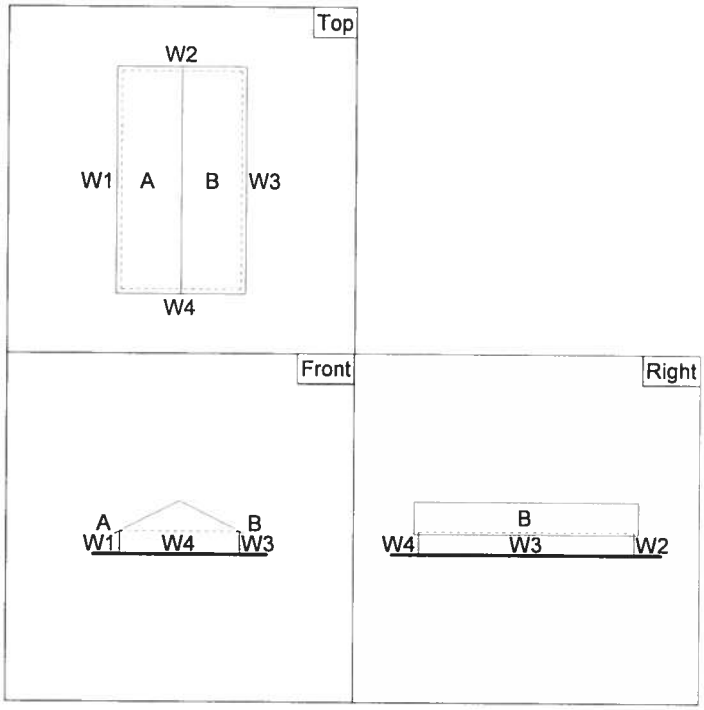
Enclosure Classification: Enclosed
Building Category: II

Wall	Length(ft)	Overhang(ft)
1	95.0	2.0
2	52.0	2.0
3	95.0	2.0
4	52.0	2.0

Eave Height: 10 ft
Parapet Height: 0 ft
Parapet Enclosure: Solid

Roof Shape: Gabled

Roof	Slope(:12)
A&B	6.0

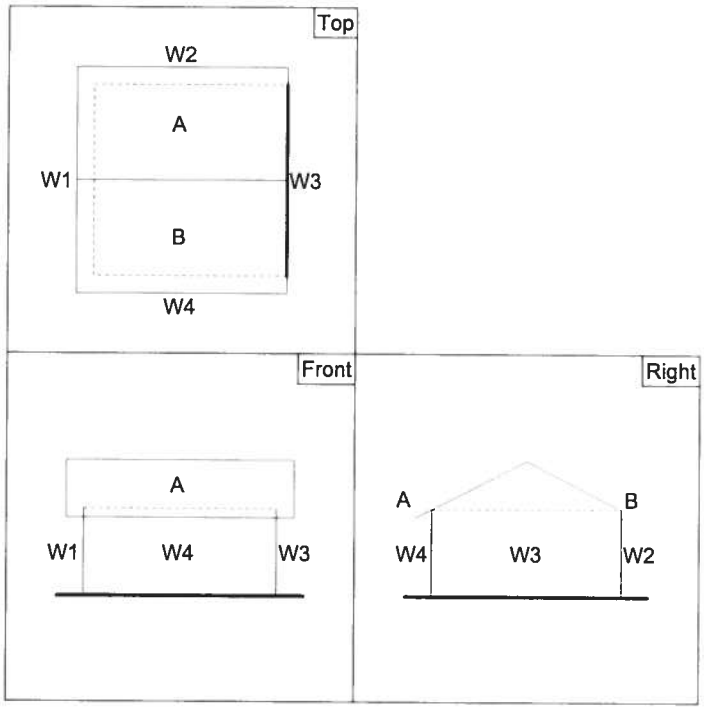


Section - Leg

Enclosure Classification: Enclosed
Building Category: II

Connected to: Main Section
Connected to wall: W1
Position on W1: 0 ft

Wall	Length(ft)	Overhang(ft)
1	22.0	2.0
2	22.0	2.0
3	22.0	0.0
4	22.0	2.0

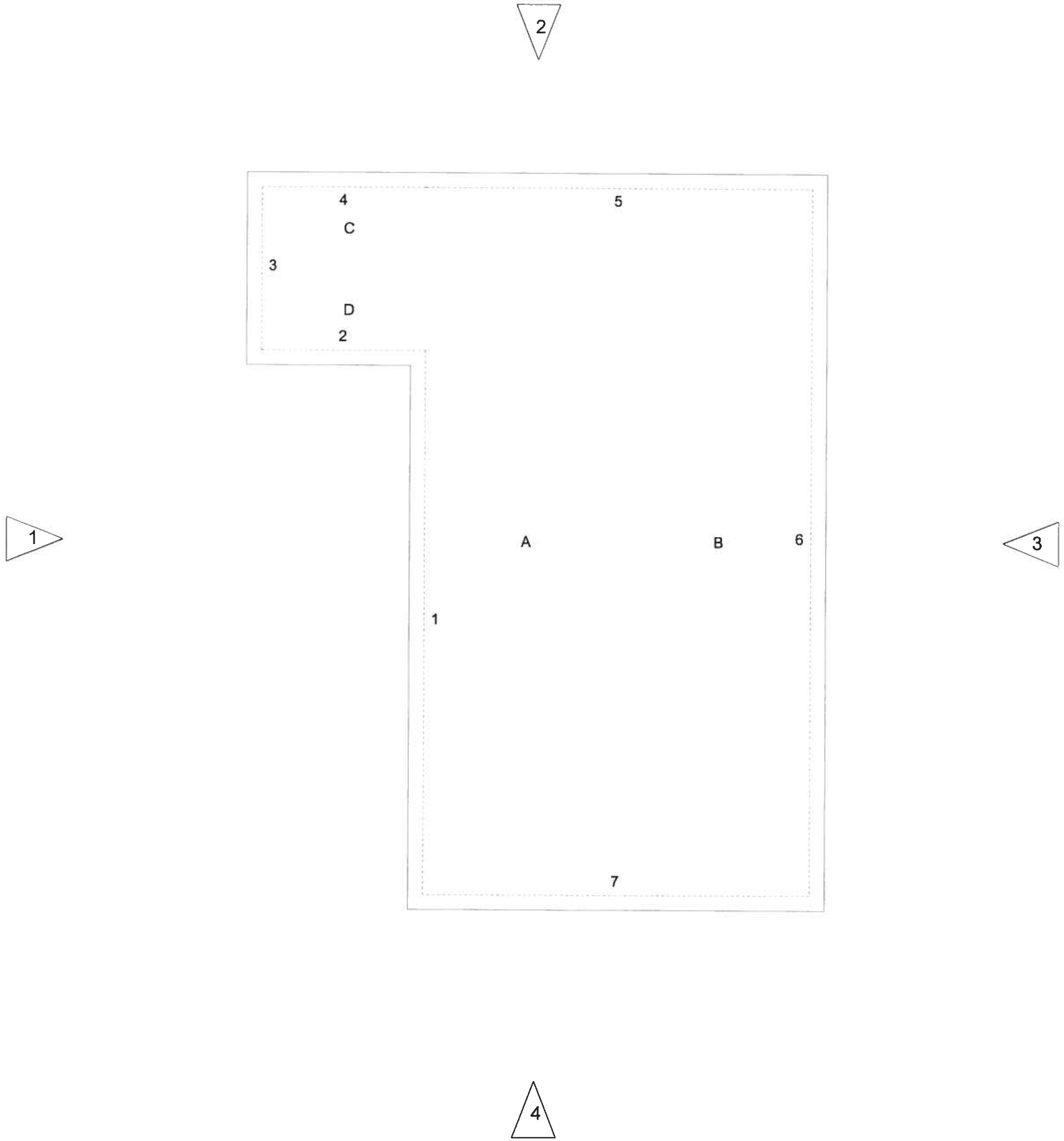


Eave Height: 10 ft
Parapet Height: 0 ft
Parapet Enclosure: Solid

Roof Shape: Gabled

Roof	Slope(:12)
A&B	6.0

Composite Drawing



ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.5	15.5		0.30	0	4.0		
		16.5	15.5		-0.20		-2.6		
	Overhang Bot	10.0	15.1		0.80		10.3		
2	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
3	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		15.5	15.3				10.4	7.6	13.2
	Overhang Top	16.5	15.5		-0.90	0	-11.9		
	Overhang Bot	16.5	15.5		0.80		10.5		
4	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
5	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
6	Leeward Wall	16.5	15.5	0.85	-0.50	0.18	-6.6	-9.4	-3.8
7	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
A	Windward Roof	16.5	15.5	0.85	0.27	0.18	3.6	0.8	6.3
		16.5	15.5		-0.22		-2.9	-5.7	-0.1
B	Leeward Roof	16.5	15.5	0.85	-0.60	0.18	-7.9	-10.7	-5.1
C&D	Roof	0 to 8.3 *	15.5	0.85	-1.03	0.18	-13.6	-16.4	-10.8
		8.3 to 16.5 *	15.5		-0.80		-10.5	-13.3	-7.7
		16.5 to 22.0 *	15.5		-0.60		-7.9	-10.7	-5.1
		0 to 22.0 *	15.5		-0.18		-2.4	-5.2	0.4

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
2	Leeward Wall	16.5	15.5		-0.44		-5.8	-8.6	-3.0
3	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
4	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.5	15.5		0.30	0	4.0		
		16.5	15.5		-0.20		-2.6		
	Overhang Bot	10.0	15.1		0.80		10.3		
5	Windward Wall	0.0	15.1	0.85		0.18	10.3	7.5	13.1
		15.0	15.1				10.3	7.5	13.1
		20.0	16.4				11.2	8.4	13.9
		23.0	17.1				11.6	8.8	14.4
	Overhang Top	16.5	15.5		-0.90	0	-11.9		
	Overhang Bot	16.5	15.5		0.80		10.5		
6	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
7	Leeward Wall	16.5	15.5	0.85	-0.44	0.18	-5.8	-8.6	-3.0
A&B	Roof	0 to 8.3 *	15.5	0.85	-0.90	0.18	-11.9	-14.6	-9.1
		8.3 to 16.5 *	15.5				-11.9	-14.6	-9.1
		16.5 to 33.0 *	15.5		-0.50		-6.6	-9.4	-3.8
		33.0 to 95.0 *	15.5		-0.30		-4.0	-6.7	-1.2
		0 to 95.0 *	15.5		-0.18		-2.4	-5.2	0.4
C	Windward Roof	16.5	15.5	0.85	0.13	0.18	1.7	-1.1	4.5
		16.5	15.5		-0.35		-4.6	-7.4	-1.8
D	Leeward Roof	16.5	15.5	0.85	-0.60	0.18	-7.9	-10.7	-5.1

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)

* Distance from windward edge.

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	16.5	15.5	0.85	-0.50	0.18	-6.6	-9.4	-3.8
2	Side Wall	16.5	15.5		-0.70		-9.2	-12.0	-6.4
3	Leeward Wall	16.5	15.5	0.85	-0.50	0.18	-6.6	-9.4	-3.8
4	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
5	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
6	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.5	15.5		0.30	0	4.0		
		16.5	15.5		-0.20		-2.6		
	Overhang Bot	10.0	15.1		0.80		10.3		
7	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
A	Leeward Roof	16.5	15.5	0.85	-0.60	0.18	-7.9	-10.7	-5.1
B	Windward Roof	16.5	15.5	0.85	0.27	0.18	3.6	0.8	6.3
		16.5	15.5		-0.22		-2.9	-5.7	-0.1
C&D	Roof	0 to 8.3 *	15.5	0.85	-1.03	0.18	-13.6	-16.4	-10.8
		8.3 to 16.5 *	15.5		-0.80		-10.5	-13.3	-7.7
		16.5 to 22.0 *	15.5		-0.60		-7.9	-10.7	-5.1
		0 to 22.0 *	15.5		-0.18		-2.4	-5.2	0.4

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
2	Windward Wall	0.0	15.1		0.80		10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.5	15.5		0.30	0	4.0		
		16.5	15.5		-0.20		-2.6		
	Overhang Bot	10.0	15.1		0.80		10.3		
3	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
4	Leeward Wall	16.5	15.5	0.85	-0.44	0.18	-5.8	-8.6	-3.0
5	Leeward Wall	16.5	15.5	0.85	-0.44	0.18	-5.8	-8.6	-3.0
6	Side Wall	16.5	15.5	0.85	-0.70	0.18	-9.2	-12.0	-6.4
7	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		15.0	15.1				10.3	7.5	13.1
		20.0	16.4				11.2	8.4	13.9
		23.0	17.1				11.6	8.8	14.4
	Overhang Top	16.5	15.5		-0.90	0	-11.9		
	Overhang Bot	16.5	15.5		0.80		10.5		
A&B	Roof	0 to 8.3 *	15.5	0.85	-0.90	0.18	-11.9	-14.6	-9.1
		8.3 to 16.5 *	15.5				-11.9	-14.6	-9.1
		16.5 to 33.0 *	15.5		-0.50		-6.6	-9.4	-3.8
		33.0 to 95.0 *	15.5		-0.30		-4.0	-6.7	-1.2
		0 to 95.0 *	15.5		-0.18		-2.4	-5.2	0.4
C	Leeward Roof	16.5	15.5	0.85	-0.60	0.18	-7.9	-10.7	-5.1
D	Windward Roof	16.5	15.5	0.85	0.13	0.18	1.7	-1.1	4.5
		16.5	15.5		-0.35		-4.6	-7.4	-1.8

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)

* Distance from windward edge.

ALACHUA COUNTY OFFICE OF CODES ENFORCEMENT
BUILDING DEPARTMENT
PERMIT INFORMATION SHEET

CONTRACTOR TOMMY WATERS CUSTOM HOMES
ALACHUA COUNTY LICENSE [redacted]
STATE LICENSE CRC001928

Legal Description: _____

Street Address: 1350 SW WILSON SPRINGS RD., FT. WHITE

Number of bedrooms: 3 Number of baths: 2 1/2

Longest line/width: 94'-8" Longest line/depth: 74'-0"

Square footage heated: 2,972 Sw. Ft. under roof: 5350

SUBS:

Electrical SPECIALTY WIRING INC. HVAC: BOUNDS HTG. AND AIR

Roofing: DUFFIELD HOME IMPROVEMENT Plumbing: A&M PLBG.

CHECKLIST:

2 (two) sets of complete plans? ✓

2 (two) energy forms? ✓

2 (two) plot plans? ✓

File for driveway permit? N/A

File for tree permit? N/A

Wall section on plans? ✓

Impact fees? N/A

2 (two) sets Manual "J" forms? ✓

2 (two) sets Manual "D" forms? ✓

Septic tank paper work? ✓

Well paper work? EXISTING

2 (two) sets Truss Engineering ✓

2 (two) Plans Review Worksheet ✓

2 (two) sets Wind Load Calcs. ✓

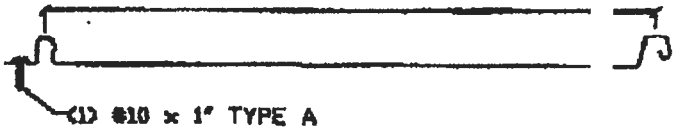
GULF LOK 24 GA.
LOAD TABLE OVER PLYWOOD

GULF COAST

Buildings having a Roof Mean Height ≤ 20'-0"; Roof Slope: [illegible]12" -12"/12"
Wind Speeds 110-140 mph, Exp C, I = 1.0, based on FLORIDA B[illegible]ILDING CODE 2004

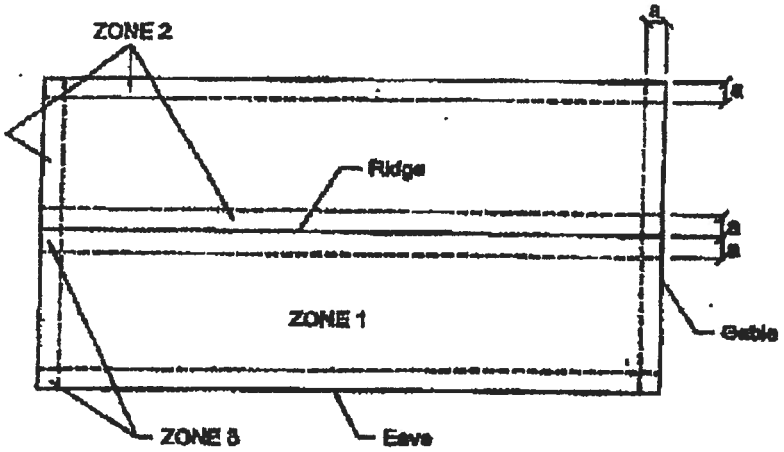
GULF LOK 24 GA. FASTENER SPACI[illegible]						
ZONE	FASTENER	SUBSTRATE	WIND SPEED ZO[illegible]			
			110	120	[illegible]30	140
			ON CENTER SPACING	ON CENTER SPACING	ON [illegible]ENTER CING	ON CENTER SPACING
ZONE 1	#10 x 1" TYPE A	15/32" CDX/ 19/32" CDX	10.25"	10.25"	.25"	10.25"
ZONE 2	#10 x 1" TYPE A	15/32" CDX/ 19/32" CDX	10.25"	10.25"	.25"	5.125"
ZONE 3	#10 x 1" TYPE A	15/32" CDX/ 19/32" CDX	10.25"	10.25"	.25"	5.125"

16" COVERAGE



(1) #10 x 1" TYPE A

Product Approval # 4833



Note: Dimension (a) is defined as 10% of the minimum width of the building or 40% of the mean height of the roof, whichever is smaller, however, (a) cannot be less than either 4% of the minimum width of the building or 3 feet.

JUL 1 4 2005

WINDOWS

ATTACHMENTS

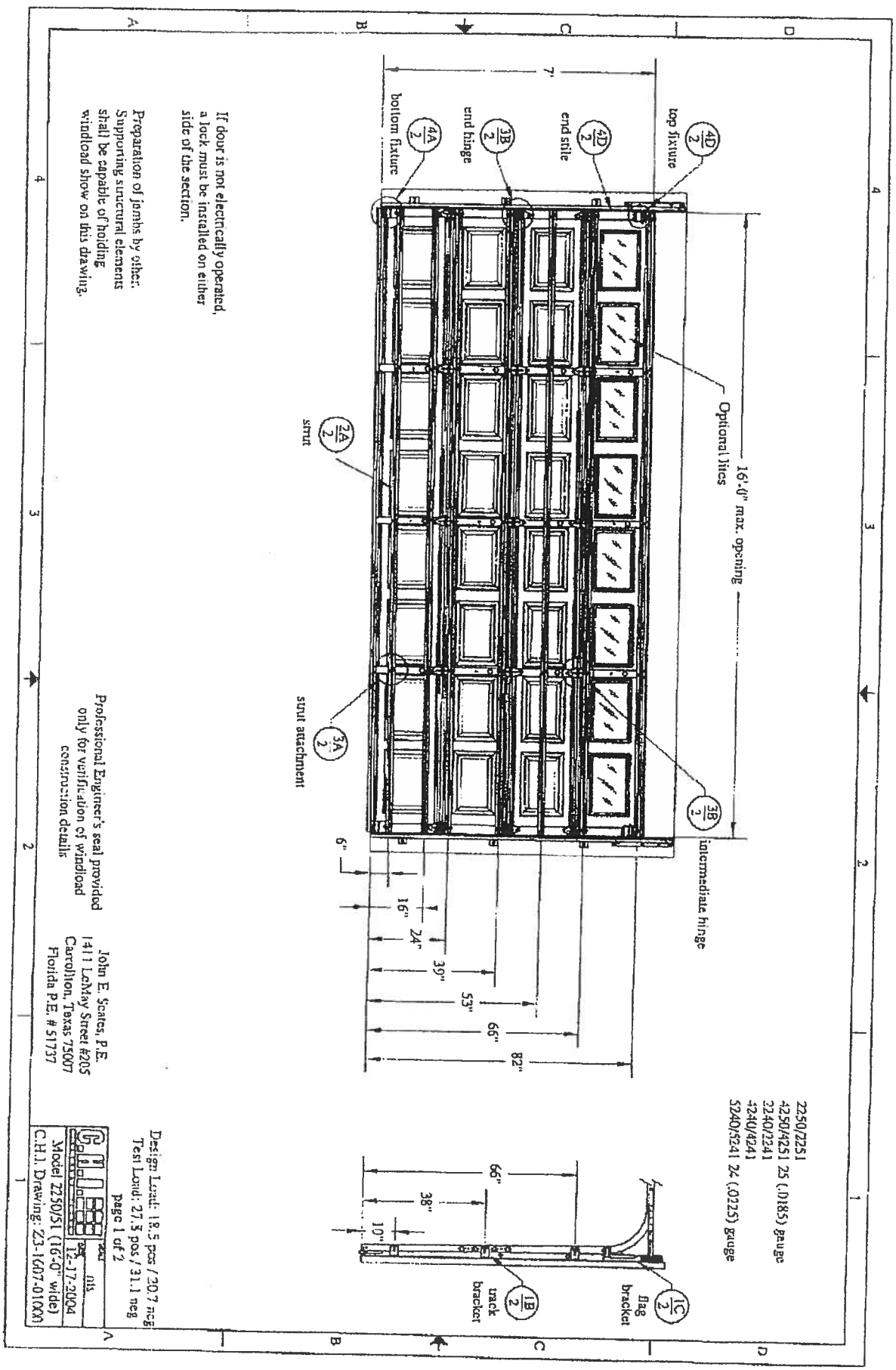
TYPE	MANUFACTURER	SERIES	SIZE	JAMB TYPE/SPACING	HEADER TYPE/SPACING	SILLS TYPE/SPACING	MULLIONS
SINGLE HUNG	JORDAN VINYL	8500	ALL SIZES	#8 X 1 5/8" AT 8" O.C.	" FLATHEAD SCREWS 3" OFF CORNERS		FACTORY APPLIED
TWIN	"	"	"	"	———	>	"
TRIPLE	"	"	"	"	———	>	"
FIXED	"	"	"	"	———	>	"
HORIZ. SLIDER	"	"	"	"	———	>	"

DOORS

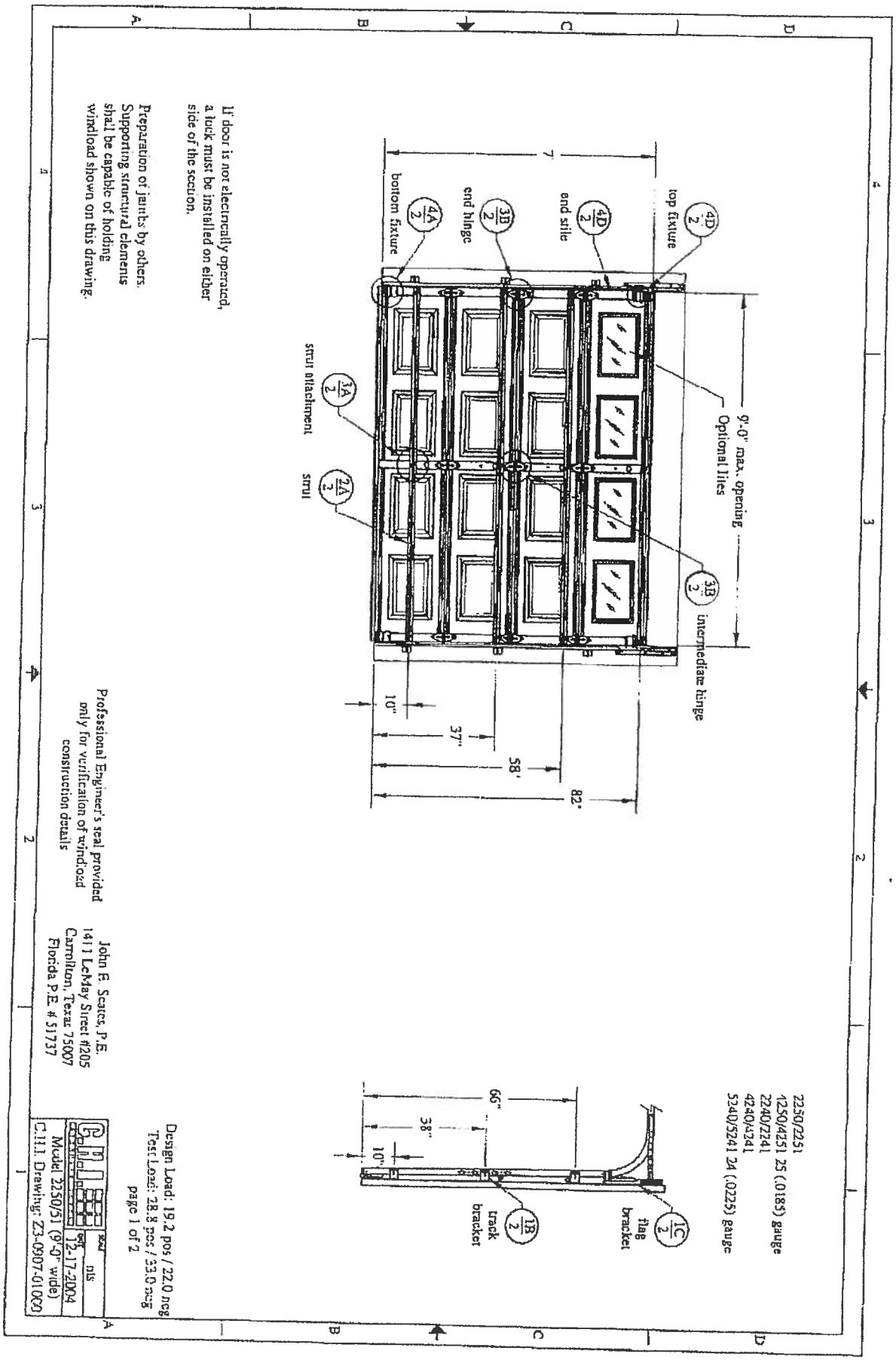
ATTACHMENT OF FRAME

TYPE	MANUFACTURER	SERIES	SIZE	JAMB	HEADER	SILL
SINGLE IN SWING	THERMA TRU	CONSTRUCTION SERIES STEEL DOORS	ALL	#8 X 2 1/2" SCREWS AT 6" OFF CORNERS	FLATHEAD 14" O.C.	1/4" X 2 1/2" TAPCON SCREWS 6" OFF ENDS 4 MIN. PER
SINGLE OUTSWING	"	"	"	"	"	"
DOUBLE IN-SWING	"	"	"	"	"	"
DOUBLE OUT-SWING	"	"	"	"	"	"
SINGLE IN-SWING W/SIDELITES	"	"	"	"	"	"

FL 3610 STATE wide code #



FL 3610 STATE wide code #



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	THERMA-TRU	ENTRY DOORS	FL 1170
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	JORDAN	8500 VINYL	FL 1378-R1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED	JORDAN	8500 VINYL	FL 1385-R1
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	JAMES HARDIE	FIBER CEMENT LAP SIDING	FL 889-R2
B. SOFFITS	KAYCAN	VENTED ALUM SOFFIT	FL 1146
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	GULF COAST	STANDING SEAM METAL ROOF	FL 4833
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	SIMPSON		FL 402
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

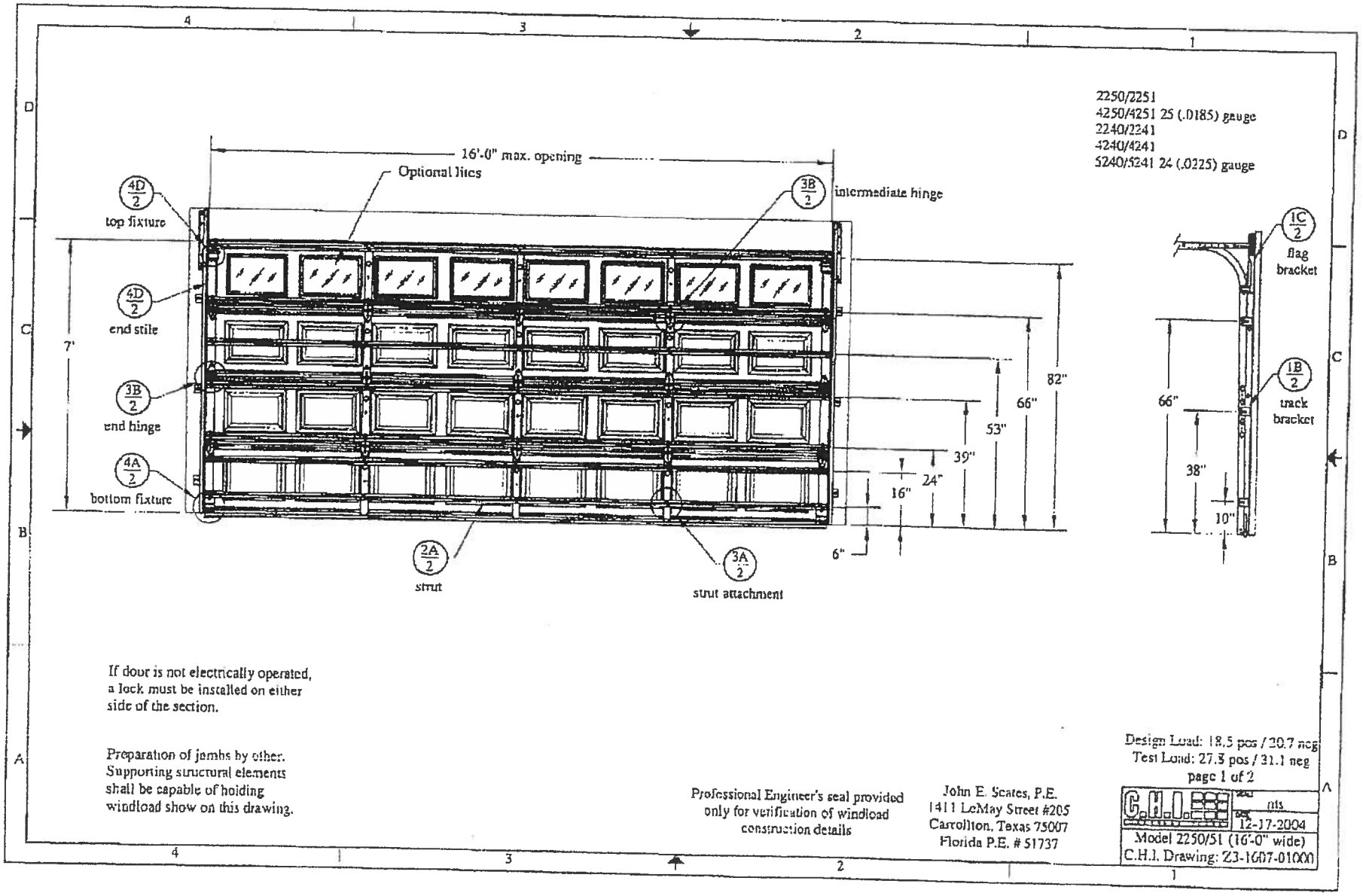
The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product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

APPLICANT SIGNATURE

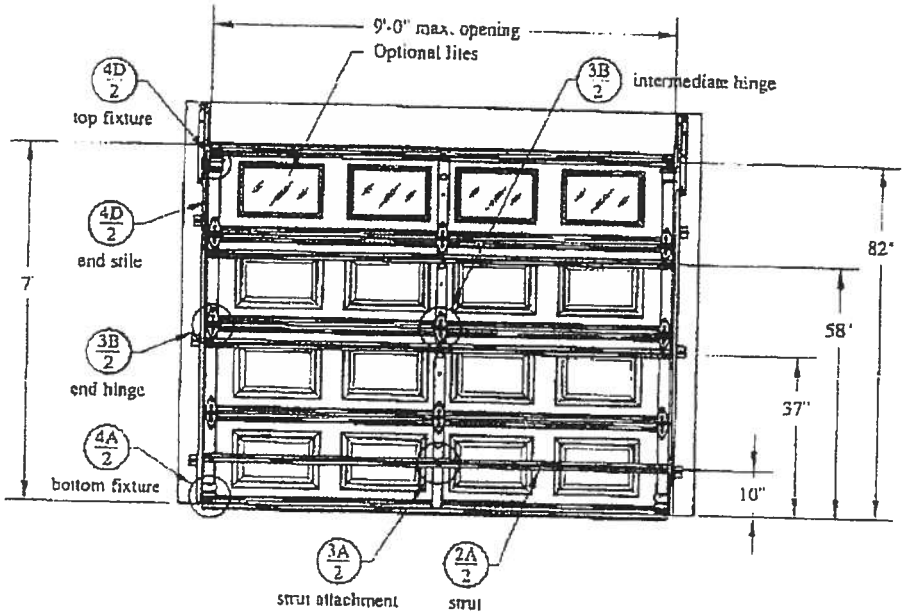
DATE

FL 3610 STATE WIDE CODE #

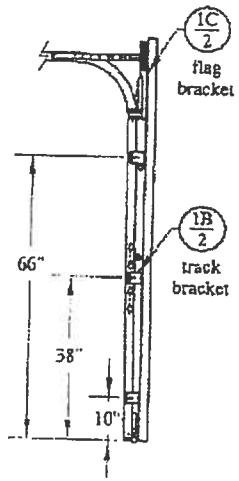
217-543-5172



FL 3610 STATE Wide Code #



2250/2251
1250/4251 25 (.0185) gauge
2240/2241
4240/4241
5240/5241 24 (.0225) gauge



If door is not electrically operated, a lock must be installed on either side of the section.

Preparation of jambs by others. Supporting structural elements shall be capable of holding windload shown on this drawing.

Professional Engineer's seal provided only for verification of windload construction details

John E. Seates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Design Load: 19.2 pos / 22.0 neg
Test Load: 28.8 pos / 33.0 neg
page 1 of 2

C.H.I. | SCALE nts | DATE 12-17-2004
Model 2250/51 (9'-0" wide)
C.H.I. Drawing: Z3-0907-01000

Duct System Summary
Entire House
Bounds Heating & Air

Job: 2981 sqft
Date: 01/10/06
By: RG

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1809

Project Information

For: Tommy Waters Construction
Herrick Residence,

	Heating	Cooling
External static pressure	1.00 in H2O	***1.00*** in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.51 / 0.19 in H2O	0.51 / 0.19 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1933 cfm	1933 cfm
Total effective length (TEL)	471 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Pete's Study-A	c	2986	137	150	0.100	8	16x4	VlFx	47.0	180.0	st2
Pete's Study-B	c	2986	137	150	0.100	8	16x4	VlFx	68.0	240.0	Pete'
Pete's Study	c	2986	137	150	0.100	8	16x4	VlFx	44.0	245.0	st2
Master Bedroom	h	4596	212	167	0.100	9	16x5	VlFx	28.0	240.0	st2
Master Bath	h	1231	57	57	0.100	5	16x1	VlFx	12.0	285.0	st2
Laundry	c	2605	63	131	0.100	7	16x3	VlFx	12.0	180.0	st2
Powder	c	76	2	4	0.100	4	16x0	VlFx	8.0	180.0	st2
Storage	h	884	41	15	0.100	5	16x1	VlFx	45.0	260.0	st2
Bedroom 3	h	4130	191	170	0.100	9	16x5	VlFx	53.0	290.0	st2
Bath 2	h	1579	73	65	0.100	6	16x2	VlFx	40.5	255.0	st2
Bedroom 2-A	c	2304	74	116	0.100	7	16x3	VlFx	48.0	205.0	Bedro
Bedroom 2	c	2304	74	116	0.100	7	16x3	VlFx	27.0	120.0	st2
Hall	c	303	9	15	0.100	4	16x0	VlFx	24.0	265.0	st2
Family Room-A	h	3365	155	125	0.100	8	16x4	VlFx	56.0	135.0	Famil
Family Room	h	3365	156	125	0.100	8	16x4	VlFx	35.0	85.0	st1
Dining Room	c	3650	161	184	0.100	8	16x4	VlFx	64.0	245.0	Famil
Kitchen	c	2098	73	106	0.100	7	16x3	VlFx	11.0	155.0	st1
Breakfast	h	3831	177	78	0.100	8	16x4	VlFx	24.0	165.0	st1
WIC	c	178	5	9	0.100	4	16x0	VlFx	18.0	265.0	st2

Bold/Italic values have been manually overridden

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	405	309	0.100	608	10	16 x 6	RectFbg	
st2	Peak AVF	1001	1049	0.100	787	15	16 x 12	RectFbg	
Pete'	Peak AVF	137	150	0.000	0	0	16 x 0	RectFbg	
Bedro	Peak AVF	74	116	0.000	0	0	16 x 0	RectFbg	
Famil	Peak AVF	317	309	0.000	0	0	16 x 0	RectFbg	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1933	1933	128.0	0.050	378	29	16x 46		VlFx	rt1

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak AVF	1933	1933	0.050	442	27	18 x 35	RectFbg	

Short Form
Entire House
Bounds Heating & Air

Job: 2981 sqft
Date: 01/10/06
By: RG

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2781 Fax (352) 472-1809

Project Information

For: Tommy Waters Construction
Herrick Residence,

Design Information

	Htg	Clg
Outside db (°F)	*31*	*93*
Inside db (°F)	68	75
Design TD (°F)	37	18
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	50

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

HEATING EQUIPMENT

Make Carrier
Trade WeatherMaker 38YXA
Model 38YXA06032

Efficiency	8 HSPF	
Heating input		
Heating output	59500	Btuh @ 47°F
Temperature rise	28	°F
Actual air flow	1933	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	1.00	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Carrier
Trade WeatherMaker 38YXA
Cond 38YXA06032
Coil 40FKA/FK4CNB006+PURON-TXV

Efficiency	13 SEER	
Sensible cooling	40600	Btuh
Latent cooling	17400	Btuh
Total cooling	58000	Btuh
Actual air flow	1933	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	1.00	in H2O
Load sensible heat ratio	0.84	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Pete's Study	352	8876	8958	410	451
Master Bedroom	460	4596	3324	212	167
Master Bath	184	1231	1126	57	57
Laundry	72	1372	2605	63	131
Powder	36	48	76	2	4
Storage	70	684	305	41	15
Bedroom 3	165	4130	3371	191	170
Bath 2	142	1579	1298	73	65
Bedroom 2	240	3183	4608	147	232
Hall	144	191	303	9	15
Family Room	393	6730	4985	311	251
Dining Room	280	3489	3650	161	184
Kitchen	167	1577	2098	73	106
Breakfast	194	3831	1549	177	78
WIC	84	112	178	5	9

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Entire House	d	2981	41829	38434	1933	1933
Other equip loads			5028	2446		
Equip. @ 0.98	RSM			40062		
Latent cooling				7585		
TOTALS		2981	46857	47647	1933	1933

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.