DATE 01/22/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026645

APPLICANT DEBORAH MAGURA PHONE 352.224.8286

ADDRESS 1006 WOODLAND AVENUE FT. WHITE FL 32038

OWNER E. WADE & MARY HORNSBY PHONE 561.625.8777

ADDRESS 1725 SW WOODLAND AVENUE FT. WHITE FL 32038

CONTRACTOR DEBORAH MAGURA PHONE 352.224.8286

LOCATION OF PROPERTY 47 S TO US 27,TL TO C-138,TR TO WOODLAND,TL AND IT'S WITHIN 1 MILE @ GATE. (COMB.-001031)

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 144600.00

HEATED FLOOR AREA 2892.00 TOTAL AREA 3801.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. ____

PARCEL ID 31-7S-17-10070-135 SUBDIVISION BLUEBIRD LANDING

LOT 35 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 22.85

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CRC058208	D.M.

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	06-0174-N	BLK	JTH	Y

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD. NOC ON FILE.

Check # or Cash 3159

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by

Foundation ____ date/app. by

Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by

Slab ____ date/app. by

Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by

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

Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by

Peri. beam (Lintel) ____ date/app. by

Permanent power ____ date/app. by

C.O. Final ____ date/app. by

Culvert ____ date/app. by

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

Pool ____ date/app. by

Reconnection ____ date/app. by

Pump pole ____ date/app. by

Utility Pole ____ date/app. by

M/H Pole ____ date/app. by

Travel Trailer ____ date/app. by

Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 725.00 CERTIFICATION FEE $ 19.00 SURCHARGE FEE $ 19.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 838.00

INSPECTORS OFFICE ____ CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0705-23 Date Received 5/15/07 By LH Permit # 26645

Application Approved by - Zoning Official BLK Date 07.06.07 Plans Examiner OK JTH Date 6-27-08

Flood Zone X Development Permit NO Zoning A-3 Land Use Plan Map Category A-3

Comments ~~FEMA Flood Elevation: 41' Finished Floor Elevation: Minimum Floor Elevation: NA~~ ~~See COTTAGE KITCHEN letter~~ BLK 08.01.08

Applicants Name Deborah Magura Phone 352-224-8286 386-454-3722 fax:

Address 13662 Mallard Way, Palm Beach Gardens, Florida 33418

Owners Name Edward Wade and Mary L. Hornsby Phone (561)625-8777

911 Address 1725 SW WOODLAND Drive. SW 71 32038

Contractors Name Magura Construction, Inc. Phone (352) 224-8286

Address 1006 Woodland Avenue, Fort White, Florida 32038

Fee Simple Owner Name & Address Edward & Mary Hornsby, 13662 Mallard, PBG, FL 33418

Bonding Co. Name & Address

Architect/Engineer Name & Address Lawrence Group Arch. 205 Worth Ave, P.B. FL 33480

Mortgage Lenders Name & Address

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

Property ID Number 31-7S-17-10070-135 Estimated Cost of Construction ~~100,000.00~~ 375,000.00

Subdivision Name Bluebird Preserve Lot 35 Block ____ Unit ____ Phase ____

Driving Directions Please see attachment

ATTACHED

SEPTIC: Col. County Dept. of Health: 06-01074N Mark Lander-386-758-1058

ELECT: Permit 00025313 Health: 12SC08835 Audit:SO61206005

Type of Construction CBS SFD Number of Existing Dwellings on Property none

Total Acreage 22.85 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front (E) 378' Side (N) 305' -3" Side (S) 150' -2" Rear (W) 469'

Total Building Height 10'(beam) Number of Stories 1 Heated Floor Area 2892 TOTAL 3,801 Roof Pitch 10/12

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

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 COMMENCMENT 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.

-061031

Wade Hornsby
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 9th day of April 2007.
Personally known xx or Produced Identification ____

D M Magura
Contractor Signature
Contractors License Number CRC 058208
Competency Card Number ____
NOTARY STAMP/SEAL

Darlene Mitchell
Notary Signature

DARLENE MITCHELL
Notary Public - State of Florida
My Commission Expires Jan 14, 2009
Commission # DD 365139
Bonded By National Notary Assn.

* JW Cell 2 Messages in 08 JW called Deborah. 7.18.07

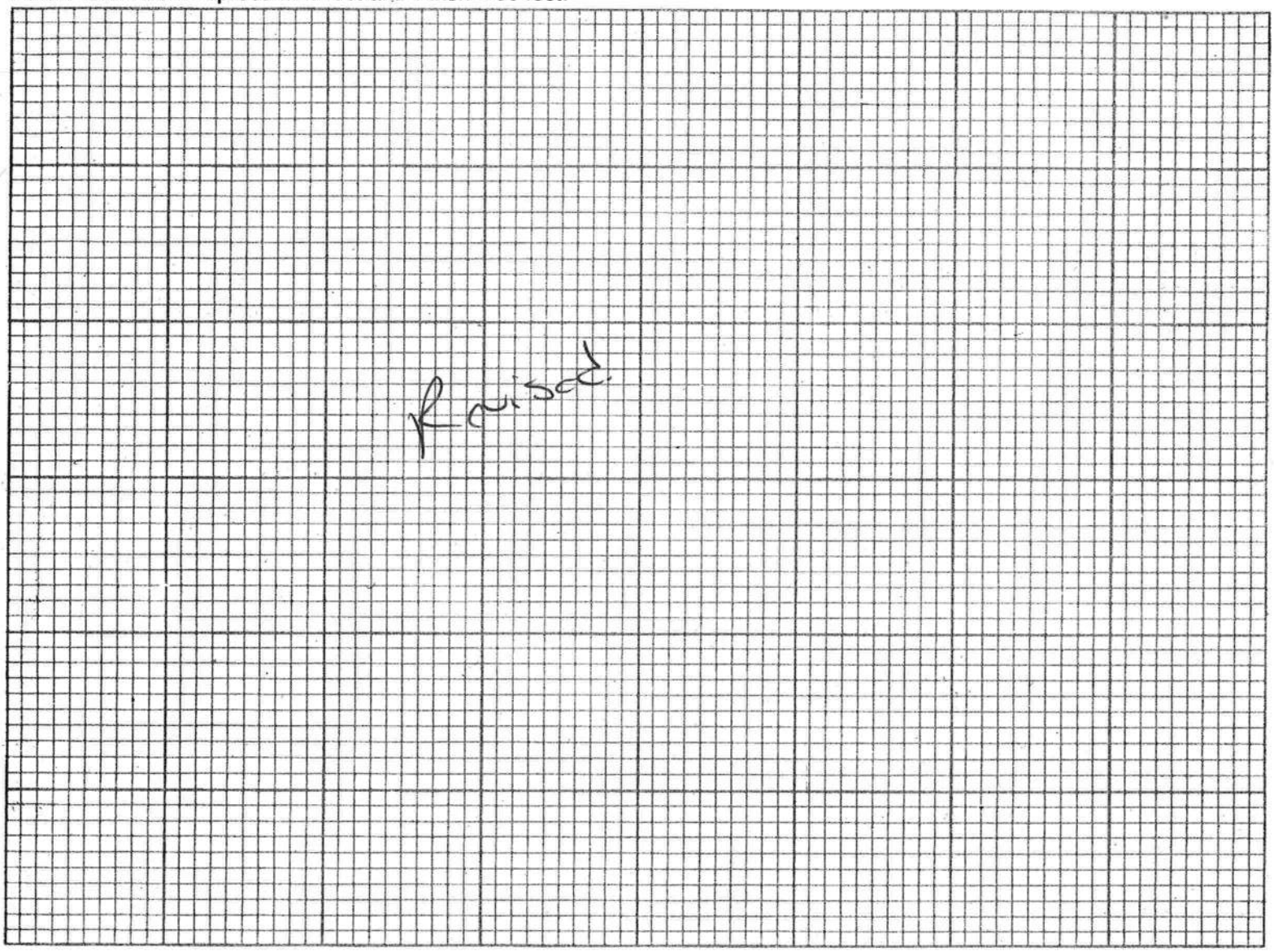
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0107N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Mgura Const. _____
Signature

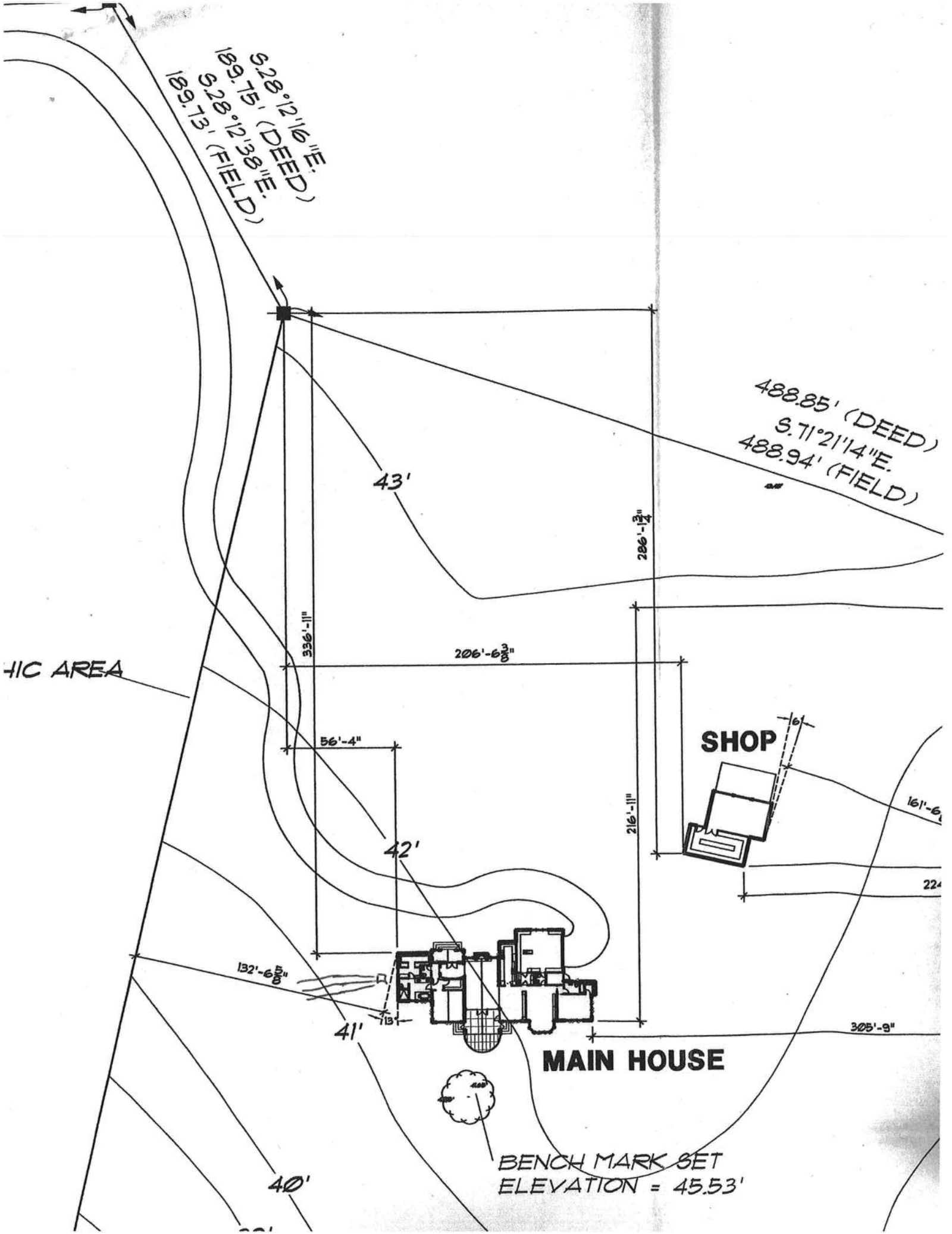
_____
Title

Plan Approved ✓ Not Approved _____ Date 1-15-08

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)


S.28°12'16"E. (DEED)
189.75' (DEED)
S.28°12'38"E.
189.73' (FIELD)
488.85' (DEED)
S.71°21'14"E.
488.94' (FIELD)
43'
286'-1¾"
336'-11"
206'-6⅜"
HIC AREA
56'-4"
SHOP
216'-11"
42'
132'-6⅝"
41'
305'-9"
MAIN HOUSE
BENCH MARK SET
ELEVATION = 45.53'
40'

For Permit #'s = 0705-23
0705-24

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 7/24/2007 **DATE ISSUED:** 7/25/2007

ENHANCED 9-1-1 ADDRESS:

1725 SW WOODLAND AVE

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

31-7S-17-10070-135

Remarks:

LOT 35 BLUEBIRD PRESERVE

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

JUL 25 2007

911Addressing/GIS Dept

DETACH HERE

AC# 2736863

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06082101140

DATE	BATCH NUMBER	LICENSE NBR
08/21/2006	068033784	CRC058208

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

MAGURA, DEBORAH K
MAGURA CONSTRUCTION INC
18517 NW 197TH STREET
HIGH SPRINGS FL 32643

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

This Instrument Prepared by & return to:
Name: ***Chris Travis, an employee of***
TITLE OFFICES, LLC
Address: ***1089 SW MAIN BLVD.***
LAKE CITY, FLORIDA 32025
File No. 05Y-09100CT

Inst:2005030709 Date:12/13/2005 Time:12:03
Doc Stamp-Deed : 3500.00
DC,P.DeWitt Cason,Columbia County B:1067 P:2539

Parcel I.D. #: ***10070-133***

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the 3rd day of December, A.D. 2005, by*

SUZANNE B. MACDONALD *and* ***HUGH A. BUIE, JR., AS CO-TRUSTEES OF THE HUGH A. BUIE, SR. FAMILY IRREVOCABLE TRUST UNDER TRUST AGREEMENT DATED JANUARY 19, 2000,*** *hereinafter called the grantors, to*

EDWARD WADE HORNSBY *and* ***MARY L. HORNSBY,*** *HIS WIFE, whose post office address is* ***13662 MALLARD WAY, PALM BEACH GARDENS, FL 33418,*** *hereinafter called the grantees:*

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: *That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in* ***Columbia County, State of FLORIDA,*** *viz:*

DESCRIPTION: PARCEL 35

A PART OF THE S 1/2 OF SECTION 31, TOWNSHIP 7 SOUTH, RANGE 17 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SW 1/4 OF SAID SECTION 31 AND RUN THENCE S.01°41'10"E., A DISTANCE OF 7.37 FEET; THENCE N.89°22'58"E., A DISTANCE OF 816.00 FEET; THENCE S.01°45'20"E., A DISTANCE OF 436.30 FEET; THENCE N.89°30'00"E., A DISTANCE OF 881.33 FEET; THENCE S.19°16'58"W., A DISTANCE OF 824.64 FEET TO THE POINT OF BEGINNING; THENCE N.88°37'19"E, A DISTANCE OF 276.32 FEET; THENCE S.28°12'16"E., A DISTANCE OF 189.75 FEET; THENCE S.71°21'14"E., 488.85 FEET; THENCE S.18°58'47"W., 469.99 FEET; THENCE S.04°56'07"E., A DISTANCE OF 459.94 FEET TO THE SOUTH LINE OF SAID SECTION 31; THENCE S.86°43'35"W., ALONG SAID SOUTH LINE, A DISTANCE OF 763.29 FEET; THENCE N.24°01'03"W, A DISTANCE OF 545.61 FEET; THENCE N.19°16'58"E., A DISTANCE OF 810.46 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

DESCRIPTION: EASEMENT

TOGETHER WITH AND SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS, BEING 60 FEET IN WIDTH AND LYING 30 FEET TO THE LEFT AND 30 FEET TO THE RIGHT, AS MEASURED PERPENDICULAR TO THE FOLLOWING DESCRIBED CENTERLINE: COMMENCE AT THE NE CORNER OF THE NW 1/4 OF SECTION 31, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S.87°14'55"W., ALONG THE NORTH LINE OF SAID SECTION 31, A DISTANCE OF 737.64 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF A COUNTY MAINTAINED GRADE ROAD, SAID POINT BEING THE POINT OF BEGINNING; THENCE S.01°47'48"E., A DISTANCE OF 114.27 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING: A RADIUS OF 230.00 FEET, A CENTRAL ANGLE OF 55°09'08", A TANGENT LENGTH OF 120.12 FEET, A CHORD BEARING OF S.29°22'22"E., AND A CHORD LENGTH OF 212.95 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 221.39 FEET TO A POINT OF REVERSE CURVE OF A CURVE TO THE RIGHT, HAVING: A RADIUS OF 170.00 FEET, A CENTRAL ANGLE OF 72°58'42", A TANGENT LENGTH OF 125.74 FEET, A CHORD BEARING OF S.20°27'35"E., AND A CHORD LENGTH OF 202.19 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 216.53 FEET; THENCE S.16°01'48"W., A DISTANCE OF 282.20 FEET TO A POINT HEREINAFTER REFERRED TO AS POINT "A", SAID POINT ALSO BEING THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING: A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF 16°57'20", A TANGENT LENGTH OF 44.72 FEET, A CHORD BEARING OF S.07°33'06"W., AND A CHORD LENGTH OF 88.46 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 88.78 FEET; THENCE S.00°55'34"E., A DISTANCE OF 223.29 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING: RADIUS OF 270.00 FEET, A CENTRAL ANGLE OF 09°29'10", A TANGENT LENGTH OF 22.40 FEET, A CHORD BEARING OF S.05°40'09"E., AND A CHORD LENGTH OF 44.65 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 44.70 FEET; THENCE S.10°24'44"E., A DISTANCE OF 143.54 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING: A RADIUS OF 330.00 FEET, A CENTRAL ANGLE OF 15°15'21, A TANGENT LENGTH OF 44.19 FEET, A CHORD BEARING OF S.02°47'03"E., AND A CHORD LENGTH OF 87.61 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 87.87 FEET; THENCE S.04°50'37"W., A DISTANCE OF 125.00 FEET TO A POINT HEREINAFTER REFERRED TO AS POINT "B"; THENCE CONTINUE S.04°50'37"W., A DISTANCE OF 58.27 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING: A RADIUS OF 80.00 FEET, A CENTRAL ANGLE OF 25°22'17", A TANGENT LENGTH OF 18.01 FEET, A CHORD BEARING OF S.07°50'32"E., AND A CHORD LENGTH OF 35.14 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 35.43 FEET; THENCE S.20°31'41"E., A DISTANCE OF 284.45 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING: A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF 19°54'39", A TANGENT LENGTH OF 52.66 FEET, A

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit # _____ Owner's Name Hornsby Blue Bird Landing Lot 35

Well Depth 90 Ft. Casing Depth 58 Ft. Water Level 18 Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Goulds Pump Model 25GS15 HP 1½

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 25 (GPM)

Tank Installation: Bladder/Galvenized Make Challenger
Model PC244 Size 81

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

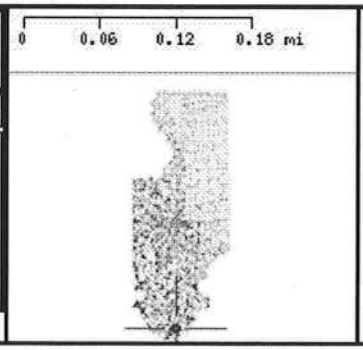
well drilled
Date 2-19-07

Columbia County Property Appraiser

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

PARCEL: 31-7S-17-10070-135 - NO AG ACRE (009900)

Name:	HORNSBY EDWARD WADE & MARY L	LandVal	$365,600.00
Site:		BldgVal	$0.00
Mail:	13662 MALLARD WAY PALM BEACH GARDENS, FL 33418	ApprVal	$365,600.00
		JustVal	$365,600.00
Sales Info	12/3/2005 $500,000.00V / Q	Assd	$365,600.00
	8/6/2002 $100.00V / U	Exmpt	$0.00
	12/28/2001 $100.00V / U	Taxable	$365,600.00



This information, GIS Map Updated: 5/11/2007, 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-2004R

EnergyGauge® 0..

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**HORNSBY RESIDENCE**	Builder:	
Address:		Permitting Office:	COLUMBIA
City, State:	**HIGH SPRINGS, FL**	Permit Number:	26645
Owner:	**MARY/WADE HORNSBY**	Jurisdiction Number:	**221000**
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 26.6 kBtu/hr
3. Number of units, if multi-family	1		SEER: 20.00
4. Number of Bedrooms	2	b. Central Unit	Cap: 38.0 kBtu/hr
5. Is this a worst case?	Yes		SEER: 21.00
6. Conditioned floor area (ft²)	2892 ft²	c. Central Unit	Cap: 26.6 kBtu/hr
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			SEER: 20.00
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble, U=0.8) 370.0 ft²	a. Gas Hydronic Space & Water Hea	Cap: 36.0 kBtu/hr
b. SHGC:			RE: 0.87, Unducted
(or Clear or Tint DEFAULT)	7b. (Tint) 619.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=2.0, 298.0(p) ft	14. Hot water systems	
b. N/A		a. Natural Gas	Cap: 150.0 gallons
c. N/A			EF: 0.66
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=5.0, 2174.0 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	PT,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=19.0, 2892.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Con. Ret: Con. AH: Attic	Sup. R=6.3, 50.0 ft²		
b. 2 Others	100.0 ft		

Glass/Floor Area: 0.21

Total as-built points: 29721

Total base points: 31337

PASS

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

PREPARED BY: _____

DATE: DEC 2 0 2007

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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: , **HIGH SPRINGS, FL,** 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	2892.0	18.59	9677.0	1.Double,U=0.79,Tint	S	3.0	1.5	120.0	29.06	0.45	1573.0	
				2.Double,U=0.79,Tint	N	3.0	1.5	60.0	15.19	0.62	567.0	
				3.Double,U=0.79,Tint	W	3.0	1.5	50.0	31.27	0.41	639.0	
				4.Double,U=0.79,Tint	S	14.0	1.5	140.0	29.06	0.43	1757.0	
				5.Double,U=0.75,Tint	N	3.0	1.5	40.0	15.38	0.62	383.0	
				6.Double,U=0.75,Tint	W	3.0	1.5	12.0	31.45	0.41	154.0	
				7.Double,U=0.75,Tint	S	3.0	1.5	120.0	29.24	0.45	1582.0	
				8.Double,U=0.75,Tint	N	3.0	1.5	12.0	15.38	0.62	115.0	
				9.Double,U=0.75,Tint	S	3.0	1.5	15.0	29.24	0.45	197.0	
				10.Double,U=0.75,Tint	E	3.0	1.5	50.0	34.39	0.39	674.0	
				As-Built Total:				**619.0**			**7641.0**	

WALL TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	5.0	2174.0	1.00	2174.0
Exterior	2174.0	1.70	3695.8					
Base Total:	**2174.0**		**3695.8**	**As-Built Total:**		**2174.0**		**2174.0**

DOOR TYPES	Area X	BSPM =	Points	Type	Area X	SPM =	Points
Adjacent	0.0	0.00	0.0				
Exterior	0.0	0.00	0.0				
Base Total:	**0.0**		**0.0**	**As-Built Total:**	**0.0**		**0.0**

CEILING TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2892.0	1.73	5003.2	1. Under Attic	19.0	2892.0	2.34 X 1.00	6767.3
Base Total:	**2892.0**		**5003.2**	**As-Built Total:**		**2892.0**		**6767.3**

FLOOR TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Slab	298.0(p)	-37.0	-11026.0	1. Slab-On-Grade Edge Insulation	2.0	298.0(p	-38.53	-11482.9
Raised	0.0	0.00	0.0					
Base Total:			**-11026.0**	**As-Built Total:**		**298.0**		**-11482.9**

INFILTRATION	Area X	BSPM =	Points	Area X	SPM =	Points
	2892.0	10.21	29527.3	2892.0	10.21	29527.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 36877.3			**Summer As-Built Points:**						**34626.7**
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 26600btuh ,SEER/EFF(20.0) Ducts:Con(S),Con(R),Att(AH),R6.3(INS)						
			34627	0.29	(1.00 x 1.147 x 1.11)	0.171	0.950	2084.6	
			(sys 2: Central Unit 38000btuh ,SEER/EFF(21.0) Ducts:Con(S),Con(R),Int(AH),R6.3(INS)						
			34627	0.42	(1.00 x 1.147 x 0.91)	0.163	0.950	2325.1	
			(sys 3: Central Unit 26600btuh ,SEER/EFF(20.0) Ducts:Con(S),Con(R),Int(AH),R6.3(INS)						
			34627	0.29	(1.00 x 1.147 x 0.91)	0.171	0.950	1709.0	
36877.3	**0.3250**	**11985.1**	**34626.7**	**1.00**	**1.120**	**0.167**	**0.950**	**6160.2**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** 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	2892.0	20.17	10500.0	1.Double,U=0.79,Tint	S	3.0	1.5	120.0	13.82	3.51	5812.0	
				2.Double,U=0.79,Tint	N	3.0	1.5	60.0	23.27	1.03	1431.0	
				3.Double,U=0.79,Tint	W	3.0	1.5	50.0	20.06	1.22	1225.0	
				4.Double,U=0.79,Tint	S	14.0	1.5	140.0	13.82	3.66	7080.0	
				5.Double,U=0.75,Tint	N	3.0	1.5	40.0	22.18	1.03	909.0	
				6.Double,U=0.75,Tint	W	3.0	1.5	12.0	18.97	1.22	278.0	
				7.Double,U=0.75,Tint	S	3.0	1.5	120.0	12.75	3.51	5362.0	
				8.Double,U=0.75,Tint	N	3.0	1.5	12.0	22.18	1.03	272.0	
				9.Double,U=0.75,Tint	S	3.0	1.5	15.0	12.75	3.51	670.0	
				10.Double,U=0.75,Tint	E	3.0	1.5	50.0	17.37	1.45	1259.0	
				As-Built Total:				**619.0**			**24298.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	5.0	2174.0	5.70	12391.8
Exterior	2174.0	3.70	8043.8					
Base Total:	**2174.0**		**8043.8**	**As-Built Total:**		**2174.0**		**12391.8**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0				
Exterior	0.0	0.00	0.0				
Base Total:	**0.0**		**0.0**	**As-Built Total:**	**0.0**		**0.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2892.0	2.05	5928.6	1. Under Attic	19.0	2892.0	2.70 X 1.00	7808.4
Base Total:	**2892.0**		**5928.6**	**As-Built Total:**		**2892.0**		**7808.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	298.0(p)	8.9	2652.2	1. Slab-On-Grade Edge Insulation	2.0	298.0(p	12.47	3715.1
Raised	0.0	0.00	0.0					
Base Total:			**2652.2**	**As-Built Total:**		**298.0**		**3715.1**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	2892.0	-0.59	-1706.3	2892.0	-0.59	-1706.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**25418.3**	**Winter As-Built Points:**					**46507.0**
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: Gas Hydronic Space & W 36000 btuh ,EFF(0.9) Ducts: None					
25418.3	**0.5540**	**14081.8**	46507.0 **46507.0**	1.000 **1.00**	(1.00 x 1.000 x 1.10) **1.000**	0.467 **0.467**	0.950 **0.950**	20653.6 **20653.6**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** 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	
2		2635.00	5270.0	150.0	0.66	2	1.00	1453.55	1.00	2907.1	
				As-Built Total:							**2907.1**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11985	**14082**	**5270**	**31337**	**6160**	**20654**	**2907**	**29721**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **HIGH SPRINGS, FL,** 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* = 87.2

The higher the score, the more efficient the home.

MARY/WADE HORNSBY, , HIGH SPRINGS, FL,

1.	New construction or existing	New			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	2			
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2892 ft²			
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description	Area		
	(or Single or Double DEFAULT)	7a. (Dble, U=0.8)	370.0 ft²		
	b. SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Tint)	619.0 ft²		
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=2.0, 298.0(p) ft			
	b. N/A				
	c. N/A				
9.	Wall types				
	a. Concrete, Int Insul, Exterior	R=5.0, 2174.0 ft²			
	b. N/A				
	c. N/A				
	d. N/A				
	e. N/A				
10.	Ceiling types				
	a. Under Attic	R=19.0, 2892.0 ft²			
	b. N/A				
	c. N/A				
11.	Ducts				
	a. Sup: Con. Ret: Con. AH: Attic	Sup. R=6.3, 50.0 ft²			
	b. 2 Others	100.0 ft			
12.	Cooling systems				
	a. Central Unit			Cap: 26.6 kBtu/hr	
				SEER: 20.00	
	b. Central Unit			Cap: 38.0 kBtu/hr	
				SEER: 21.00	
	c. Central Unit			Cap: 26.6 kBtu/hr	
				SEER: 20.00	
13.	Heating systems				
	a. Gas Hydronic Space & Water Hea			Cap: 36.0 kBtu/hr	
				RE: 0.87,Unducted	
	b. N/A				
	c. N/A				
14.	Hot water systems				
	a. Natural Gas			Cap: 150.0 gallons	
				EF: 0.66	
	b. N/A				
	c. Conservation credits				
	(HR-Heat recovery, Solar DHP-Dedicated heat pump)				
15.	HVAC credits			PT,	
	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, 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.

#0705-23
#0705-24

21 May 2007

To: Building Department - Columbia County
Re: Edward Wade and Mary L. Hornsby
Property ID: 31-75-17-10070-135
Contractor: Magura Construction, Inc.

Subject: Cottage - Kitchen

Gentlemen:

This is to confirm to you that we acknowledge that upon completion of our main residence, defined as receipt of a Certificate of Occupancy, the stove to be used temporarily in the cottage currently under plan review will be removed.

We acknowledge that our property is zoned as single family use, and that hence the cottage may not and shall not ever be rented to anyone. It is restricted to the use of family, friends and guests only.

Yours very truly,

Edward Wade Hornsby

Mary L. Hornsby

State of Florida
County of Palm Beach

Sworn to and subscribed before me this 21st day of May 2007.

NOTARY PUBLIC, State of Florida

Personally known to me.

(Seal)

FRANCISCA F. BALLA
Notary Public - State of Florida
My Commission Expires Jul 1, 2010
Commission # DD 554018
Bonded By National Notary Assn.

CONTACT DATA AND DIRECTIONS:

EDWARD WADE AND	Cell	561-644-3211
MARY L. HORNSBY	Cell	561-644-3245

Section 31, Township 7 South, Range 17 East Columbia County
Development is Bluebird Preserve

DIRECTIONS TO PROPERTY:

Turnpike to I-75 North
I-75 No. to **EXIT 399**

(signs read)
"Alacua - High Springs"
"441 N (High Springs 7 Mi)
TO #20 (Ft. White 10 Mi)

Take 441 North.
drive till you see sign on right for NE 1st Av
turn *left* onto NE 1st Av. Stay
on this through and under stoplight
at **MAIN STREET** - once you
pass under light street becomes....
Stay on NW 1st Ave to Mapleton Road.
Mapleton Road is on your left across from
sign for River Rise State Park
Turn LEFT on Mapleton - a dirt road - drive to
end of Mapleton and on left side of road is

NE 1st. Av
(poorly marked split left off 441)

NW 1st. Av
MAPLETON ROAD

Bluebird Landing

OR you can proceed on NW 1st to State Road #138
Go two blocks and turn south on SW WOODLAND
and proceed to end of road, which is gate for
Bluebird Landing.

Once inside Gate proceed on Woodland
and continue straight down to the Santa Fe River.
Lot 35 is last lot on left closest to River.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 01/07/2008

PRODUCER (352)377-2002 FAX (352)376-8393
Scarborough Company Insurance, Inc.
2811 NW 41st Street
P. O. Box 147050
Gainesville, FL 32614-7050

INSURED Magura Constuction, Inc.
1006 SW Woodland Avenue
Fort White, FL 32038

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Great American Insurance Co.	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC	04GL000698453	12/12/2007	12/12/2008	EACH OCCURRENCE	$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurance)	$ 100,000
						MED EXP (Any one person)	$ Excluded
						PERSONAL & ADV INJURY	$ 1,000,000
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$ 1,000,000
		AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU TORY LIMITS / OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

Columbia County Building Department
PO Drawer 1529
Lake City, FL 32056-1529

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Carol Ann Haythorne

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 31-7S-17-10070-135

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property *(legal description)*: See attached Exhibit "A" for Legal Description
   a) Street *(job)* Address: 1725 SW Woodland Avenue, Ft. White, FL 32038
2. General description of improvements: New Construction of Residence and Equipment Shop

3. 0wner Information
   a) Name and address: Edward W. & Mary L. Hornsby, 13662 Mallard Way, P.B.Gardens, FL 33418
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Fee Simple Titleholders
4. Contractor Information
   a) Name and address: Magura Construction, Inc., 1006 SW Woodland Ave., Ft. White, FL 32038
   b) Telephone No.: 352-224-8286 Fax No. (Opt.) 386-454-3722
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: N/A
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: N/A
   b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: The Lawrence Group Architects, 205 Worth Avenue, Palm Beach, FL 33480
   b) Telephone No.: 561-655-0670 Fax No. (Opt.) _____

9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Mary L. Hornsby
Print Name

The foregoing instrument was acknowledged before me , a Florida Notary, this 17 day of January, 20 08, by:

Mary L. Hornsby as Owner **(type of authority, e.g. officer, trustee, attorney fact) for** _____ **(name of party on behalf of whom instrument was executed).**

Personally Known XX OR Produced Identification ____ Type _____

Notary Signature _____ Notary Stamp or Seal:

FRANCISCA F. BALLA
Notary Public - State of Florida
My Commission Expires Jul 1, 2010
Commission # DD 554018
Bonded By National Notary Assn.

--AND--

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above.)

LEGAL DESCRIPTION

Lot 35 BLUEBIRD PRESERVE. COMM NW COR OF SW ¼ RUN S 7.37, E 816 FT, S 436.30 FT E 881.33 FT. S 19 DEG W 824.64 FT for POB, E 276.32 S 28 DEG E 189.75 FT, S 71 DEG E 488.85 FT. S 18 DEG W 469.99 FT, S 459.94 FT to S LINE W ALONG S LINE 763.29 FT, N 24 DEG W 545.62 FT, N 19 DEG E 810.46 FT TO POB, ORB 942-2733, 956-1789, CORRECTIVE DEED 959-2054, WD 1067-2539

EXHIBIT "A"

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625 Tel. (386) 755-3633 • Fax (386) 752-5456
4784 Rosselle Street • Jacksonville, FL 32254 Tel. (904) 381-8901 • Fax (904) 381-8902
2230 Greensboro Hwy • Quincy, FL 32351 Tel. (850) 442-3495 • Fax (850) 442-4008

February 19, 2007

Mary and Wade Hornsby
13662 Mallard Way
Palm Beach Gardens, Florida 33418

Reference: Hornsby Residence
Lot 35, Bluebird Preserve
High Springs, Florida
Cal-Tech Project No. 05-592

Dear Mr. and Mrs. Hornsby:

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation for the proposed residence in High Springs, Florida. Our work was performed in conjunction with and authorized by you.

Introduction

We understand you will construct a two-story, wood-frame Residential structure covering an area of approximately 3,500 square feet. An adjacent 1,100 square foot guest house and 1,200 square foot equipment shed will also be constructed, both single story and of wood frame construction. Support for the structures is to be provided by conventional, shallow spread footings.. Detailed foundation loads have not been provided; however, we assume column and wall loads will not exceed 20 kips and 2.0 kips per foot, respectively. The proposed structure is fairly close to an adjoining creek, and we assume the structure will be elevated by extending the foundations vertically.

We previously performed an investigation for these structures on this site. The results of this investigation were presented in our report dated December 9, 2005. Briefly, one of our soil test borings encountered conditions that indicated possible sinkhole activity, and we recommended that the structures be moved.

The purposes of our recent investigation were to evaluate the existing subgrade soils at the relocated building locations for an allowable bearing pressure, presence of any sinkhole activity and to present recommendations for foundation design and construction.

Site Investigation

The subsurface conditions were investigated by performing thirteen (13) Standard Penetration Test borings advanced to depths of 15 to 20 feet. The borings were performed at the approximate locations indicated on the attached Report of Soil Borings and were located in the field within a cleared area for the proposed residence.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

In general, all of the borings initially encountered loose to medium dense fine sands to a depth of about 12 feet. This was underlain by medium dense to very dense limestone to the termination depth. We did not encounter very loose material directly above the limestone that would indicate sinkhole activity.

Ground water was not encountered at the maximum boring depth of 15 to 20 feet.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Report of Soil Borings. Note that the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

The site soils appear to be very loose to loose near the ground surface and increase in consistency/density with depth. Based upon these findings, moderate site improvement should be performed; however, it is our opinion the site soils are suitable to provide support for the structures using conventional, shallow spread footings. We recommend that the foundations be sized using a maximum soil bearing pressure of 2,500 psf; however, we recommend foundations have minimum widths of 18 and 24 inches for strip and isolated footings, respectively, even though the allowable soil bearing pressure may not be developed. The bottoms of foundations should be embedded a minimum of 18 inches below the lowest adjacent grade (finished surface grade, for example).

The site should be stripped of topsoil, grass, roots, stumps and other deleterious materials that may be present. Excavation should then be performed as required to establish the appropriate grades. Clean, sandy soils should be stockpiled for later use as fill as required.

The subgrade should then be proof-rolled using heavy rubber-tired equipment (a large, loaded, front-end loader, for example). Proof rolling helps to compact the bearing soils and to locate zones of especially loose or soft soil that may be present. Such zones should be undercut and back-filled or otherwise treated as directed by the geotechnical engineer.

The subgrade should then be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least 2.0 feet below bearing grade.

Fill to raise the site may be placed as required. Fill should consist of relatively clean, fine sand containing less than 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. Foundation cuts may be placed in compacted fill, but disturbed fill should be recompacted prior to placement of the foundations or floor slabs.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

There are no presently available theories or procedures for predicting the type, location, size, and frequency of sinkhole occurrences at a specific site. However, it is possible to qualitatively evaluate sinkhole potential for a given region, if the general geology of that region is understood. Although our borings did not encounter any voids or other indications of sinkhole activity within the construction areas, our past exploration and the available engineering/geological literature suggests the potential for development of sinkholes at the project site during the life of the structures.

Our evaluation is based upon subsurface conditions encountered at this site and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer, CEO

Linda Creamer
President / CEO

Robert W Clark 1/15/08

Robert W. Clark, P.E.
Geotechnical Engineer
Registered Florida No. 52210

B-1

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand (SP/SM)
	7	Loose, Light Grey, Fine Sand (SP)
	7	
5 ft	8	Loose, Light Greyish Brown, Fine Sand (SP)
	9	Loose, Light Tan, Fine Sand (SP)
	9	Loose, Brown, Fine Sand (SP)
10 ft	9	Loose, Brownish Tan, Fine Sand (SP)
		Very Dense, Light Tan, Limestone
15 ft	50+	TOB

B-2

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Loose, Light Grey, Fine Sand (SP)
	4	
	7	
5 ft	12	Loose to Dense, Light Tan, Fine Sand (SP)
	21	
	35	
10 ft	48	Dense, Tannish Brown, Fine Sand (SP)
		Very Dense, Light Tan Limestone
15 ft	50+	TOB

B-3

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Very Loose, Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	2	
	3	Very Loose, Light Grey, Fine Sand (SP)
5 ft	3	Very Loose, Light Greyish Tan, Fine Sand (SP)
	6	
	10	
10 ft	11	Loose to Medium Dense, Brownish Tan, Fine Sand (SP)
		Dense, Light Tan Limestone
15 ft	47	TOB

B-4

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP)
	2	Very Loose, Light Tannish Grey, Fine Sand (SP)
	3	
5 ft	4	Very Loose to Loose, Light Tan, Fine Sand (SP)
	4	Loose, Brown, Fine Sand (SP)
	5	Loose, Light Tan, Fine Sand (SP)
10 ft	6	Loose, Light Tannish Brown, Fine Sand (SP)
		Medium Dense, Light Tan Limestone
15 ft	24	TOB

B-5

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	5	Loose, Light Grey, Fine Sand (SP)
	5	
5 ft	5	Loose, Tan, Fine Sand (SP)
	10	
	21	
10 ft	22	Loose to Medium Dense, Light Tan, Fine Sand (SP)
		Medium Dense, Light Tan Limestone
15 ft	29	TOB

B-6

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	3	Very Loose to Loose, Light Grey, Fine Sand (SP)
	6	
5 ft	9	Loose, Light Brown, Fine Sand (SP)
	14	Medium Dense, Tan, Fine Sand (SP)
	16	
10 ft	21	Medium Dense, Brownish Tan, Fine Sand (SP)
		Dense, Light Tan Limestone
15 ft	31	TOB

ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND | SAND with SILT | CLAYEY SAND | SAND with CLAY | SANDY CLAY | CLAY | LIMESTONE | MARL | ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
DRAWN BY	S.C. Young	2/15/07
CHECKED BY		
CHECKED BY	B. Williams	12/15/07
APPROVED BY		
CAL-TECH JOB NO.	05-592	

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FAX NO. (386) 752-5456

SEAL

ROBERT W. CLARK
P.E. 52210

HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
1 of 3

B-7

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	5	Very Loose to Loose, Light Grey, Fine Sand (SP)
	3	
5 ft	4	Loose to Medium Dense, Tan, Fine Sand (SP)
	12	
	20	
	22	Medium Dense, Brownish Tan, Fine Sand (SP)
10 ft		
		Dense, Light Tan, Limestone
	39	
15 ft	TOB	

B-8

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	5	Loose, Light Grey, Fine Sand (SP)
	3	Very Loose, Light Tannish Grey, Fine Sand (SP)
5 ft	4	Loose, Light Greyish Brown, Fine Sand (SP)
	10	Loose, Tannish Brown, Fine Sand (SP)
	16	Medium Dense, Light Greyish Tan, Fine Sand (SP)
	19	
10 ft		Medium Dense, Light Greyish Brown, Fine Sand (SP)
		Loose, Brownish Tan, Clayey, Fine Sand, Trace Weathered Limestone (SC)
	6	
15 ft		Dense, Light Tan, Weathered Limestone
	41	
20 ft	TOB	

B-9

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Light Grey, Fine Sand (SP)
	6	Loose, White, Fine Sand (SP)
	6	
5 ft	9	Loose, Light Grey, Fine Sand (SP)
	10	
	10	Loose, Greyish Tan, Fine Sand (SP)
	11	
10 ft		Medium Dense, Light Greyish Tan, Fine Sand (SP)
		Dense, Light Tan Limestone
	43	
15 ft	TOB	

B-10

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	4	Loose, Light Grey, Fine Sand (SP)
	4	
5 ft	4	
	7	
	13	Loose to Medium Dense, Tan, Fine Sand (SP)
10 ft	12	
		Very Dense, Light Tan Limestone
	50+	
15 ft	TOB	

B-11

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	2	Very Loose, Light Grey, Fine Sand (SP)
	3	
5 ft	6	Loose, Tannish Brown, Fine Sand (SP)
	10	
	12	
	13	Loose to Medium Dense, Brownish Tan, Fine Sand (SP)
10 ft		
		Medium Dense, Light Tan Limestone
	21	
15 ft	TOB	

ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND | SAND with SILT | CLAYEY SAND | SAND with CLAY | SANDY CLAY | CLAY | LIMESTONE | MARL | ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
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CHECKED BY		
CHECKED BY	B. Williams	12/15/07
APPROVED BY		
CAL-TECH JOB NO.	05-592	

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HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

REPORT OF SOIL BORINGS

B-12

Water Table: N/A

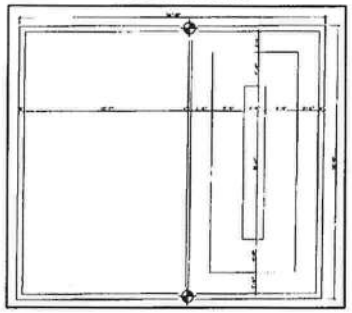
Depth (ft)	N	Soil Description
0 ft		
	4	Light Tannish Grey, Fine Sand (SP)
	5	
5 ft	5	Loose, Light Greyish Tan, Fine Sand (SP)
	5	
	7	
10 ft	8	Loose, Tannish Grey, Fine Sand (SP)
		Very Dense, Light Tan Limestone
15 ft	50+	TOB

B-13

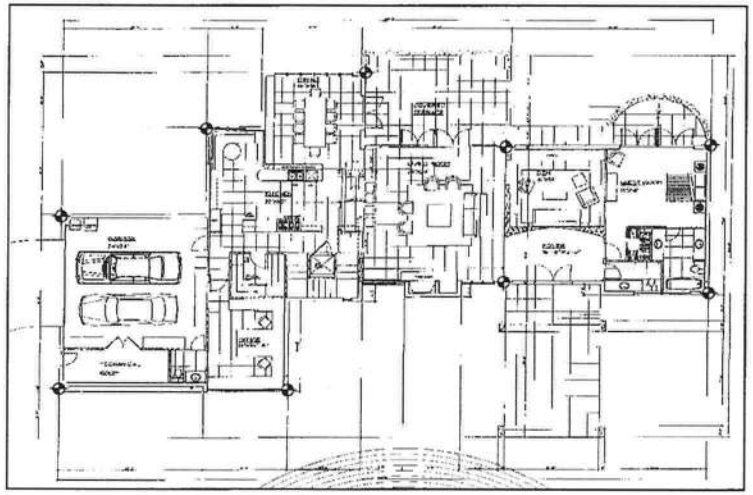
Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
	2	Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	4	Very Loose to Loose, Light Grey, Fine Sand (SP)
5 ft	9	Loose, Tan, Fine Sand (SP)
	16	
	16	
10 ft	18	Medium Dense, Brownish Tan, Fine Sand (SP)
		Very Dense, Light Tan, Limestone
15 ft	50+	TOB

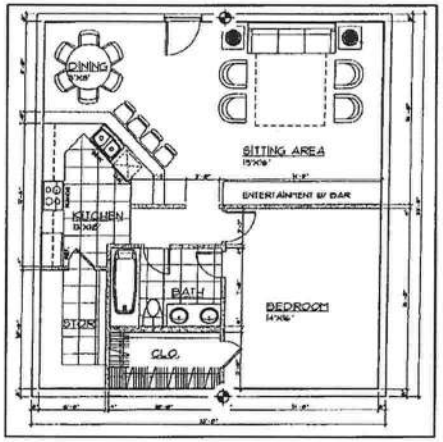
EQUIPMENT SHED



RESIDENCE



GUEST HOUSE



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

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	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
3 of 3

B-12

Water Table: N/A

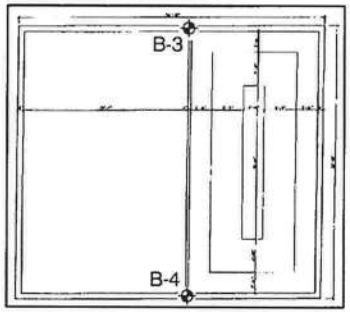
Depth (ft)	N	Soil Description
0 ft		
	4	Light Tannish Grey, Fine Sand (SP)
	5	Loose, Light Grey, Fine Sand (SP)
5 ft	5	Loose, Light Greyish Tan, Fine Sand (SP)
	5	
	7	
	8	Loose, Tannish Grey, Fine Sand (SP)
10 ft		
		Very Dense, Light Tan Limestone
15 ft	50+	TOB

B-13

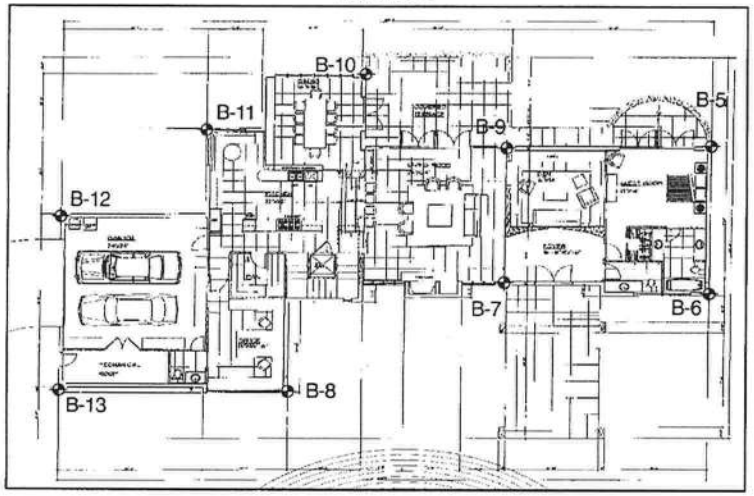
Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
	2	Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	4	Very Loose to Loose, Light Grey, Fine Sand (SP)
5 ft	9	Loose, Tan, Fine Sand (SP)
	16	
	16	
	18	Medium Dense, Brownish Tan, Fine Sand (SP)
10 ft		
		Very Dense, Light Tan, Limestone
15 ft	50+	TOB

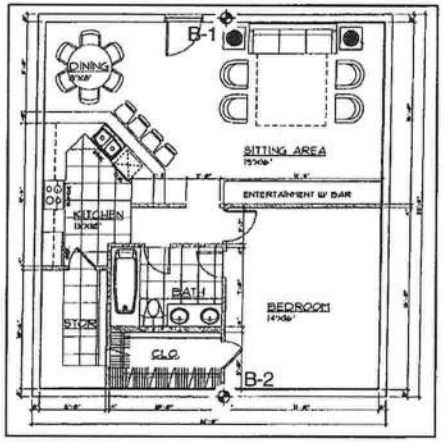
EQUIPMENT SHED



RESIDENCE



GUEST HOUSE



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

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Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

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REVISIONS

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HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
3 of 3

MAGURA CONSTRUCTION, INC.

1006 SW Woodland Avenue
Fort White, Florida 32038
Phone (352) 224-8286
Fax (386) 454-~~2739~~ 3722
Email MaguraConstruction@windstream.net

To: Joe Haltiwanger	From: Debbie Magura
Company:	Pages Including Cover:
Fax:	Date: 1/9/08
Re: Hornsby permit # 070523	cc:

Comments:

✓ 1) Egress:

a) Master bedroom. Page A12
#33 & #34 = French Doors
Size - 6'X5'4"

b) Guest bedroom - Page A12
#9 - #14 - windows
Size - 5'6"X2'8'

✓ 2) Handicap Bathroom - Master bath
Page A12
Door #14 : 2'8"X8'

3) Soil 2500 psf - waiting to hear back from engineer

facsimile

David L. Hustad, P.E.
PE #44996, S#6986745 CA#9843
HUSTAD Structural Engineering, LLC
744 Via Toscana Wellington,FL 33414
(561) 798-7750 ph (561) 798-7752 fx

Title :
Dsgnr:
Description :
Scope :
Job #
Date: 11:57AM, 10 JAN 08

General Footing Analysis & Design

Description F24.12

General Information

Code Ref: ACI 318-02, 1997 UBC, 2003 IBC, 2003 NFPA 5000

Allowable Soil Bearing	2,500.0 psf	Dimensions...	
Short Term Increase	1.000	Width along X-X Axis	2.000 ft
Seismic Zone	0	Length along Y-Y Axis	1.000 ft
Live & Short Term Combined		Footing Thickness	12.00 in
f'c	3,000.0 psi	Col Dim. Along X-X Axis	8.00 in
Fy	60,000.0 psi	Col Dim. Along Y-Y Axis	12.00 in
Concrete Weight	145.00 pcf	Base Pedestal Height	0.000 in
Overburden Weight	440.00 psf	Min Steel %	0.0014
		Rebar Center To Edge Distance	3.50 in

Loads

Applied Vertical Load...		...ecc along X-X Axis	0.000 in
Dead Load	2.100 k	...ecc along Y-Y Axis	0.000 in
Live Load	2.000 k		
Short Term Load	k		

Applied Moments...	Creates Rotation about Y-Y Axis (pressures @ left & right)	Creates Rotation about X-X Axis (pressures @ top & bot)
Dead Load	k-ft	k-ft
Live Load	k-ft	k-ft
Short Term	k-ft	k-ft

Applied Shears...	Creates Rotation about Y-Y Axis (pressures @ left & right)	Creates Rotation about X-X Axis (pressures @ top & bot)
Dead Load	k	k
Live Load	k	k
Short Term	k	k

Summary

Footing Design OK

2.00ft x 1.00ft Footing, 12.0in Thick, w/ Column Support 8.00 x 12.00in x 0.0in high

	DL+LL	DL+LL+ST		Actual	Allowable
Max Soil Pressure	2,488.3	2,488.3 psf	Max Mu	0.659 k-ft per ft	
Allowable	2,500.0	2,500.0 psf	Required Steel Area		0.259 in2 per ft
"X" Ecc. of Resultant	0.000 in	0.000 in			
"Y" Ecc. of Resultant	0.000 in	0.000 in	Shear Stresses...	Vu	Vn * Phi
X-X Min. Stability Ratio	No Overturning	1.500 :1	1-Way	0.000	93.113 psi
Y-Y Min. Stability Ratio	No Overturning		2-Way	3.142	186.226 psi

Footing Design

Shear Forces	ACI C-1	ACI C-2	ACI C-3	Vn * Phi
Two-Way Shear	3.14 psi	2.36 psi	0.86 psi	186.23 psi
One-Way Shears...				
Vu @ Left	0.00 psi	0.00 psi	0.00 psi	93.11 psi
Vu @ Right	0.00 psi	0.00 psi	0.00 psi	93.11 psi
Vu @ Top	0.00 psi	0.00 psi	0.00 psi	93.11 psi
Vu @ Bottom	0.00 psi	0.00 psi	0.00 psi	93.11 psi

Moments	ACI C-1	ACI C-2	ACI C-3	Ru / Phi	As Req'd
Mu @ Left	0.66 k-ft	0.49 k-ft	0.18 k-ft	10.1 psi	0.26 in2 per ft
Mu @ Right	0.66 k-ft	0.49 k-ft	0.18 k-ft	10.1 psi	0.26 in2 per ft
Mu @ Top	0.00 k-ft	0.00 k-ft	0.00 k-ft	0.0 psi	0.02 in2 per ft
Mu @ Bottom	0.00 k-ft	0.00 k-ft	0.00 k-ft	0.0 psi	0.02 in2 per ft

MAGURA CONSTRUCTION, INC.

1006 SW Woodland Avenue
Fort White, Florida 32038
Phone (386) 454-2739
Fax (386) 454-3722
Email MaguraConstructionInc@yahoo.com OR
MaguraConstruction@windstream.net

To: Joe Haltiwanger	From: Debbie Magura
Company:	Pages including Cover: 9
Fax:	Date: 1/16/08
Re:	cc:

Joe -

Here is the soil boring info for the Hornsby Job.

I have a sealed set to give you - but wanted to fax first to make sure this is indeed what you need.

Please call & let me know.

Thanks!

Debbie

facsimile

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625 Tel. (386) 755-3633 • Fax (386) 752-5456
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2230 Greensboro Hwy • Quincy, FL 32351 Tel. (850) 442-3495 • Fax (850) 442-4008

February 19, 2007

Mary and Wade Hornsby
13662 Mallard Way
Palm Beach Gardens, Florida 33418

Reference: Hornsby Residence
Lot 35, Bluebird Preserve
High Springs, Florida
Cal-Tech Project No. 05-592

Dear Mr. and Mrs. Hornsby:

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation for the proposed residence in High Springs, Florida. Our work was performed in conjunction with and authorized by you.

Introduction

We understand you will construct a two-story, wood-frame Residential structure covering an area of approximately 3,500 square feet. An adjacent 1,100 square foot guest house and 1,200 square foot equipment shed will also be constructed, both single story and of wood frame construction. Support for the structures is to be provided by conventional, shallow spread footings.. Detailed foundation loads have not been provided; however, we assume column and wall loads will not exceed 20 kips and 2.0 kips per foot, respectively. The proposed structure is fairly close to an adjoining creek, and we assume the structure will be elevated by extending the foundations vertically.

We previously performed an investigation for these structures on this site. The results of this investigation were presented in our report dated December 9, 2005. Briefly, one of our soil test borings encountered conditions that indicated possible sinkhole activity, and we recommended that the structures be moved.

The purposes of our recent investigation were to evaluate the existing subgrade soils at the relocated building locations for an allowable bearing pressure, presence of any sinkhole activity and to present recommendations for foundation design and construction.

Site Investigation

The subsurface conditions were investigated by performing thirteen (13) Standard Penetration Test borings advanced to depths of 15 to 20 feet. The borings were performed at the approximate locations indicated on the attached Report of Soil Borings and were located in the field within a cleared area for the proposed residence.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

In general, all of the borings initially encountered loose to medium dense fine sands to a depth of about 12 feet. This was underlain by medium dense to very dense limestone to the termination depth. We did not encounter very loose material directly above the limestone that would indicate sinkhole activity.

Ground water was not encountered at the maximum boring depth of 15 to 20 feet.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Report of Soil Borings. Note that the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

The site soils appear to be very loose to loose near the ground surface and increase in consistency/density with depth. Based upon these findings, moderate site improvement should be performed; however, it is our opinion the site soils are suitable to provide support for the structures using conventional, shallow spread footings. We recommend that the foundations be sized using a maximum soil bearing pressure of 2,500 psf; however, we recommend foundations have minimum widths of 18 and 24 inches for strip and isolated footings, respectively, even though the allowable soil bearing pressure may not be developed. The bottoms of foundations should be embedded a minimum of 18 inches below the lowest adjacent grade (finished surface grade, for example).

The site should be stripped of topsoil, grass, roots, stumps and other deleterious materials that may be present. Excavation should then be performed as required to establish the appropriate grades. Clean, sandy soils should be stockpiled for later use as fill as required.

The subgrade should then be proof-rolled using heavy rubber-tired equipment (a large, loaded, front-end loader, for example). Proof rolling helps to compact the bearing soils and to locate zones of especially loose or soft soil that may be present. Such zones should be undercut and back-filled or otherwise treated as directed by the geotechnical engineer.

The subgrade should then be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least 2.0 feet below bearing grade.

Fill to raise the site may be placed as required. Fill should consist of relatively clean, fine sand containing less than 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. Foundation cuts may be placed in compacted fill, but disturbed fill should be recompacted prior to placement of the foundations or floor slabs.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

There are no presently available theories or procedures for predicting the type, location, size, and frequency of sinkhole occurrences at a specific site. However, it is possible to <u>qualitatively</u> evaluate sinkhole potential for a given region, if the general geology of that region is understood. Although our borings did not encounter any voids or other indications of sinkhole activity within the construction areas our past exploration and the available engineering/geological literature suggests the potential for development of sinkholes at the project site during the life of the structures.

Our evaluation is based upon subsurface conditions encountered at this site and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer, CEO

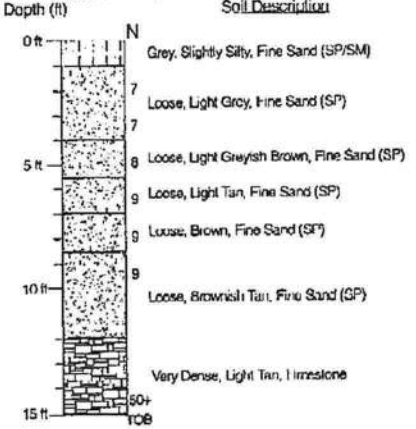
Linda Creamer
President / CEO

Robert W Clark

Robert W. Clark, P.E. 1/15/08
Geotechnical Engineer
Registered Florida No. 52210

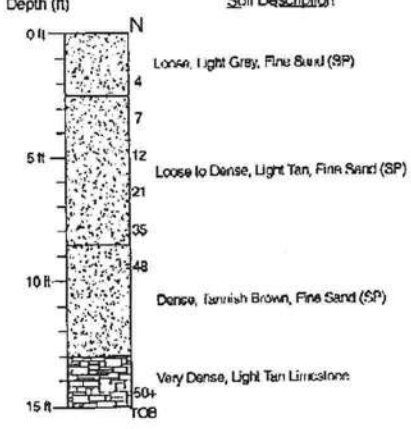
B-1

Water Table: N/A



B-2

Water Table: N/A



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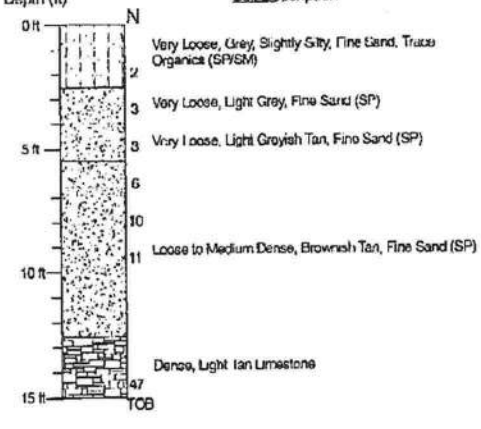
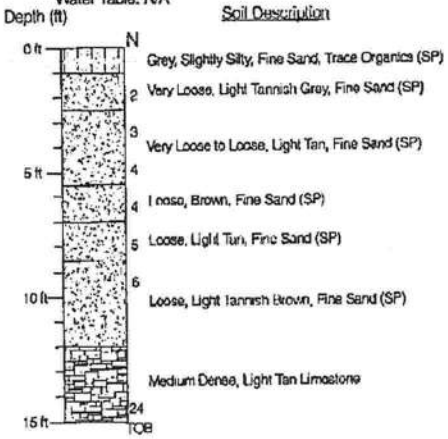
Water Table: N/A



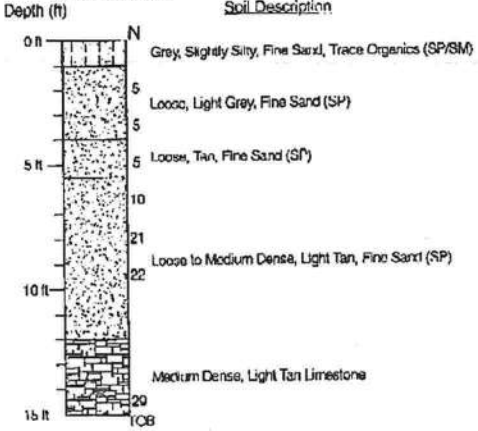
B-4

Water Table: N/A



B-5

Water Table: N/A



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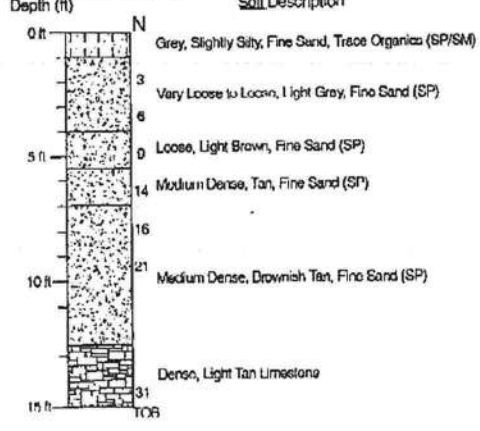
Water Table: N/A



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance In Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND | SAND with SILT | CLAYEY SAND | SAND with CLAY | SANDY CLAY | CLAY | LIMESTONE | MARL | ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
DRAWN BY	R.C. Young	2/19/07
CHECKED BY		
CHECKED BY	R. Wilson	12/15/07
APPROVED BY		
CAL-TECH JOB NO.		05-592

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FAX NO. (386) 752-5456

SEAL
ROBERT W. CLARK
P.E. 52210

HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
1 of 3

B-7

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	5	Very Loose to Loose, Light Grey, Fine Sand (SP)
	3	
5 ft	4	Loose to Medium Dense, Tan, Fine Sand (SP)
	12	
	20	
	22	Medium Dense, Brownish Tan, Fine Sand (SP)
10 ft		
		Dense, Light Tan, Limestone
	39	
15 ft	TOB	

B-8

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	5	Loose, Light Grey, Fine Sand (SP)
	3	Very Loose, Light Tannish Grey, Fine Sand (SP)
5 ft	4	Loose, Light Greyish Brown, Fine Sand (SP)
	10	Loose, Tannish Brown, Fine Sand (SP)
	16	Medium Dense, Light Greyish Tan, Fine Sand (SP)
	19	
10 ft		Medium Dense, Light Greyish Brown, Fine Sand (SP)
		Loose, Brownish Tan, Clayey, Fine Sand, Trace Weathered Limestone (SC)
15 ft	6	
		Dense, Light Tan, Weathered Limestone
20 ft	41	
	TOB	

B-9

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Light Grey, Fine Sand (SP)
	6	Loose, White, Fine Sand (SP)
	6	
5 ft	9	Loose, Light Grey, Fine Sand (SP)
	10	
	10	Loose, Greyish Tan, Fine Sand (SP)
	11	
10 ft		Medium Dense, Light Greyish Tan, Fine Sand (SP)
		Dense, Light Tan Limestone
15 ft	43	
	TOB	

B-10

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	4	Loose, Light Grey, Fine Sand (SP)
	4	
5 ft	4	
	7	
	13	Loose to Medium Dense, Tan, Fine Sand (SP)
10 ft	12	
		Very Dense, Light Tan Limestone
	50+	
15 ft	TOB	

B-11

Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	2	Very Loose, Light Grey, Fine Sand (SP)
	3	
5 ft	6	Loose, Tannish Brown, Fine Sand (SP)
	10	
	12	
	13	Loose to Medium Dense, Brownish Tan, Fine Sand (SP)
10 ft		
		Medium Dense, Light Tan Limestone
	21	
15 ft	TOB	

ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
▼	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND | SAND with SILT | CLAYEY SAND | SAND with CLAY | SANDY CLAY | CLAY | LIMESTONE | MARL | ORGANICS

REVISIONS						
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

	NAMES	DATE
DRAWN BY	S.C. Young	2/15/07
CHECKED BY		
CHECKED BY	B. Williams	12/15/07
APPROVED BY		
CAL-TECH JOB NO	05 582	

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SEAL
ROBERT W CLARK
P.E. 52210

HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

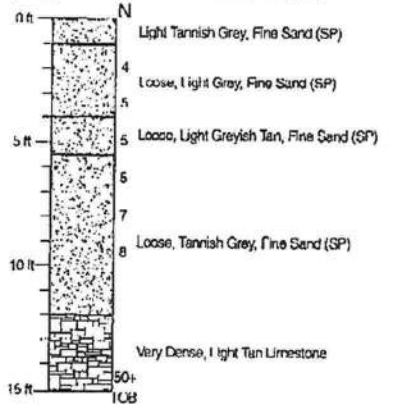
ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
2 of 3

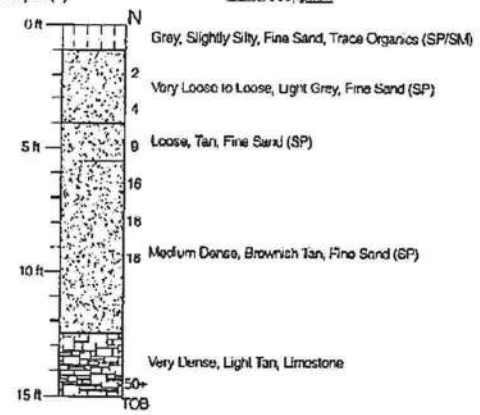
B-12

Water Table: N/A



B-13

Water Table: N/A



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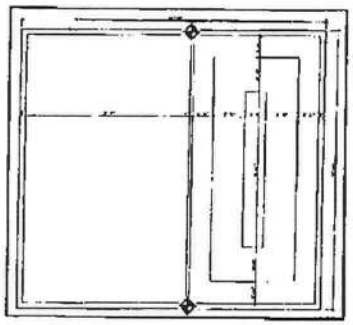
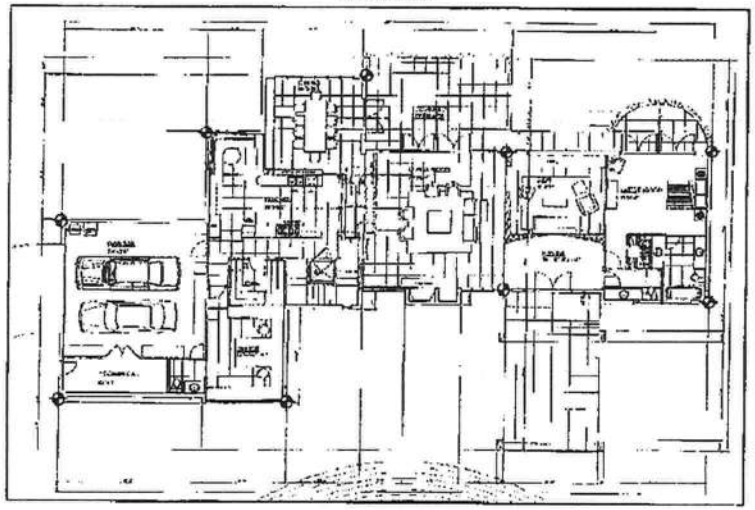
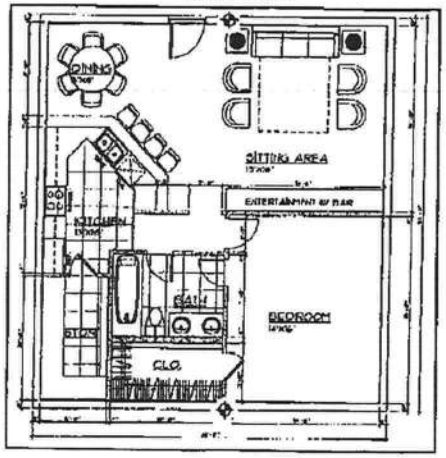


RESIDENCE



GUEST HOUSE



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5 8
Stiff	9-15
Very Stiff	16 30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
∇	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND | SILTY SAND
SAND with SILT | CLAYEY SAND
SAND with CLAY | SANDY CLAY
CLAY | LIMESTONE
MARL | ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
DRAWN BY	S.C. Young	2/15/07
CHECKED BY		
CHECKED BY	B. Wilkins	12/15/07
APPROVED BY		
CAL-TECH JOB NO.	06-592	

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OF AL

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P.E. 52210

HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

SHEET NO.

REPORT OF SOIL BORINGS 3 of 3

B-12

Water Table: N/A

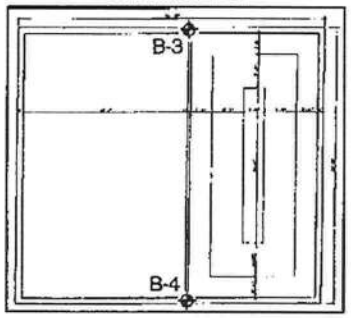
Depth (ft)	N	Soil Description
0 ft		
	4	Light Tannish Grey, Fine Sand (SP)
	5	
5 ft	5	Loose, Light Grey, Fine Sand (SP)
	5	
	7	Loose, Light Greyish Tan, Fine Sand (SP)
	8	
10 ft		Loose, Tannish Grey, Fine Sand (SP)
	50+	Very Dense, Light Tan Limestone
15 ft	TOB	

B-13

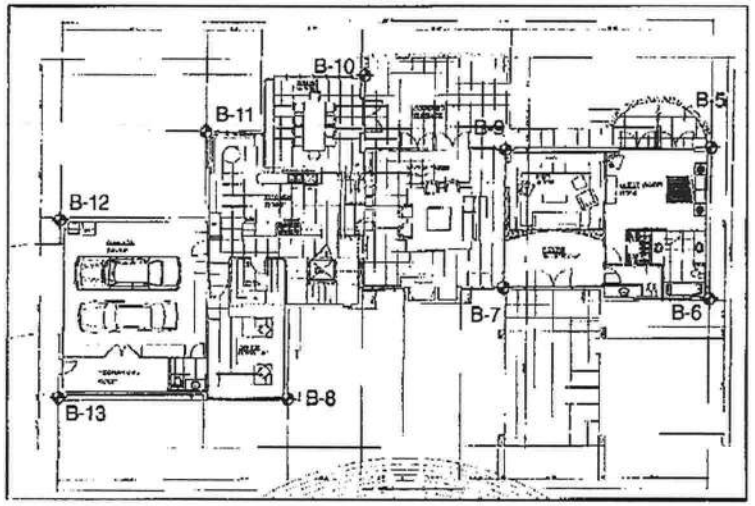
Water Table: N/A

Depth (ft)	N	Soil Description
0 ft		
	2	Grey, Slightly Silty, Fine Sand, Trace Organics (SP/SM)
	1	Very Loose to Loose, Light Grey, Fine Sand (SP)
5 ft	9	Loose, Tan, Fine Sand (SP)
	16	
	16	
10 ft	18	Medium Dense, Brownish Tan, Fine Sand (SP)
	50+	Very Dense, Light Tan, Limestone
15 ft	TOB	

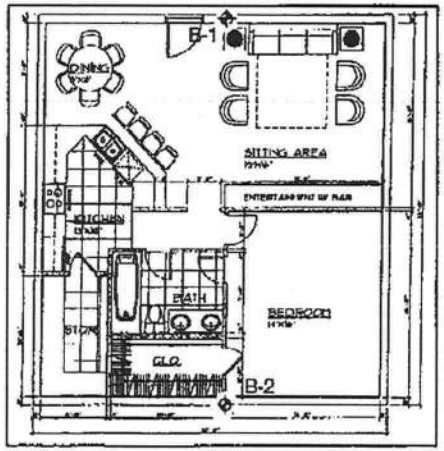
EQUIPMENT SHED



RESIDENCE



GUEST HOUSE



ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

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SAND · SILTY SAND · SAND with SILT · CLAYEY SAND · SAND with CLAY · SANDY CLAY · CLAY · LIMESTONE · MARL · ORGANICS

REVISIONS							NAMES	DATE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY	B.C. Young	2/15/07
						CHECKED BY		
						CHECKED BY	B. Williams	12/15/07
						APPROVED BY		
						CAL TECH JOB NO.	05 502	

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SEAL
ROBERT W. CLARK
PE 52210

HORNSBY RESIDENCE
HIGH SPRINGS, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	ESCAMBIA	

REPORT OF SOIL BORINGS

SHEET NO.
3 of 3

David L. Hustad, P.E.
PE #44996, St#6986746 CA#9843
HUSTAD Structural Engineering, LLC
744 Via Toscana Wellington, FL 33414
(561) 798-7750 ph (561) 798-7752 fx

Title :
Dsgnr:
Description :
Scope :
Job #
Date: 11:57AM 10 JAN 08

General Footing Analysis & Design

Description F24.12

Soil Pressure Summary

Service Load Soil Pressures	Left	Right	Top	Bottom
DL + LL	2,488.33	2,488.33	2,488.33	2,488.33 psf
DL + LL + ST	2,488.33	2,488.33	2,488.33	2,488.33 psf
Factored Load Soil Pressures				
ACI Eq. C-1	3,783.67	3,783.67	3,783.67	3,783.67 psf
ACI Eq. C-2	2,837.75	2,837.75	2,837.75	2,837.75 psf
ACI Eq. C-3	1,339.50	1,339.50	1,339.50	1,339.50 psf

ACI Factors (per ACI 318-02, applied internally to entered loads)

ACI C-1 & C-2 DL	1.400	ACI C-2 Group Factor	0.750	Add'l "1.4" Factor for Seismic	1.400
ACI C-1 & C-2 LL	1.700	ACI C-3 Dead Load Factor	0.900	Add'l "0.9" Factor for Seismic	0.900
ACI C-1 & C-2 ST	1.700	ACI C-3 Short Term Factor	1.300		
....seismic = ST * :	1.100 Used in ACI C-2 & C-3				

MAGURA CONSTRUCTION, INC.

1006 SW Woodland Avenue
Fort White, Florida 32038
Phone (352) 224-8286
Fax (386) 454-~~2739~~ 3722
Email MaguraConstruction@windstream.net

To: Joe Haltiwanger	From: Debbie Magura
Company:	Pages Including Cover:
Fax:	Date: 1/9/08
Re: Hornsby permit # 070523	cc:

Comments:

✓ 1) Egress:

a) Master bedroom: Page A12
#33 & #34 = French Doors
Size - 6'X 5'4"

b) Guest bedroom - Page A12
#9 - #14 - windows
Size - 5'6"X 2'8"

✓ 2) Handicap Bathroom - Masterbath
Page A12
Door #14 = 2'8" X 8'

3) Soil 2500 psf = waiting to hear back from engineer

facsimile

352-224-8286

COLUMBIA COUNTY BUILDING DEPARTMENT Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ———110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. *The following information must be shown as per section 1603.1.4 FBC* a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

Page A-9

d) Location, size and height above roof of chimneys.
e) Location and size of skylights
f) Building height
e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.
b) Shear walls identified.
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
d) Show safety glazing of glass, where required by code.
e) Identify egress windows in bedrooms, and size.
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
b) All posts and/or column footing including size and reinforcing
c) Any special support required by soil analysis such as piling
d) Location of any vertical steel.

Roof System:

a) Truss package including:
   1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
   2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:
   1. Rafter size, species and spacing
   2. Attachment to wall and uplift
   3. Ridge beam sized and valley framing and support details
   4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall
   1. All materials making up wall
   2. Block size and mortar type with size and spacing of reinforcement
   3. Lintel, tie-beam sizes and reinforcement
   4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
   5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
   6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
   7. Fire resistant construction (if required)
   8. Fireproofing requirements
   9. Shoe type of termite treatment (termiticide or alternative method)
   10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
   11. Indicate where pressure treated wood will be placed
   12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

b) Wood frame wall
1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

b) Floor joist size and spacing

c) Girder size and spacing

d) Attachment of joist to girder

e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

b) Ceiling fans

c) Smoke detectors

d) Service panel and sub-panel size and location(s)

e) Meter location with type of service entrance (overhead or underground)

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

h) Exhaust fans in bathroom

HVAC Information

a) Energy Calculations (dimensions shall match plans)

b) Manual J sizing equipment or equivalent computation page M-1

c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is $50.00

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Bluebird Preserve Lot 35 Project Name: Hornsby

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	CGI	Impact resistant aluminum	FL-4809.12
1. Swinging	"		NOA-06-0127.02
2. Sliding	—		
3. Sectional	—		
4. Roll up	—		
5. Automatic	Vantage	9'x8', 16x7 Gar. Doors FL	4606.4
6. Other			
B. WINDOWS	CGI	Impact resistant aluminum	NOA 02.0122.05
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL		Block	
1. Siding	pre-cast		
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	—		
2. Underlayments	—	Peel + Stick	
3. Roofing Fasteners	—		
4. Non-structural Metal Rf	Berridge	24 GA	FL 4870.4
5. Built-Up Roofing	—		
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes	—		
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys	—		
14. Cements-Adhesives – Coatings	—		
15. Roof Tile Adhesive	—		
16. Spray Applied Polyurethane Roof	—		
17. Other	—		
E. SHUTTERS	-		
1. Accordion	—		
2. Bahama			
3. Storm Panels	—		
4. Colonial	—		
5. Roll-up	-		
6. Equipment	-		
7. Others	-		
F. SKYLIGHTS	—		
1. Skylight	—		
2. Other	—		
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson Tie	straps, anchors	FL 474, 503
2. Truss plates			
3. Engineered lumber		5/8 CDX	
4. Railing	—		
5. Coolers-freezers	—		
6. Concrete Admixtures	—		
7. Material	—		
8. Insulation Forms	—		
9. Plastics	—		
10. Deck-Roof	—		
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

understand these products may have to be removed if approval cannot be demonstrated during inspection.

NO Maguire Maguire Construction, Inc

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Lot 35 Bluebird Preserve

Location

Permit # **(FOR STAFF USE ONLY)**

Product Approval
USER: Public User

FL #	FL4087-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	TAMKO Building Products, Inc.
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 ext 2394 fred_oconnor@tamko.com
Authorized Signature	Frederick O'Connor fred_oconnor@tamko.com
Technical Representative Address/Phone/Email	Frederick J. O'Connor PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com
Quality Assurance Representative Address/Phone/Email	
Category	Roofing
Subcategory	Other
Other Subcategory	Composite Shake
Compliance Method	Certification Mark or Listing
Certification Agency	Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)	**Standard** ASTM D-3161, UL 997 UL 790
Equivalence of Product Standards Certified By	
Sections from the Code	1505.1 1507.3.7
Product Approval Method	Method 1 Option A
Date Submitted	09/23/2005
Date Validated	10/17/2005
Date Pending FBC Approval	10/01/2005
Date Approved	10/17/2005

Summary of Products

FL #	Model, Number or Name	Description
4087.1	Lamarite Shake	A composite shingle that
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** For use on slopes 3:12 and greater. For use in HVHZ - see NOA 05-0615.01		**Certification Agency Ce** **Installation Instruction** PTID_4087_R1_I_Lamari Verified By:

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

RECEIVED AT TAMKO - TECH SERVS
FROM: mail
DATE: 5/7/05
TAMKO EMPLOYEE

NOTICE OF ACCEPTANCE (NOA)

TAMKO Roofing Products, Inc.
223 South KK Highway
Lamar, MO 64759

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Lamarite Slate and Lamarite Shake

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 04-0512.05 consists of pages 1 through 6.
The submitted documentation was reviewed by Mark A. Zehnal, CPRC.

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Slate
Materials	Composite
Deck Type:	Wood
Maximum Design Pressure	**-82.5 psf**
Fire Classificationn Pressure	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Lamarite Slate	18" long 5", 7" & 12" width ¼" thick	TAS 110	Slate looking composite shingle with tapered back.
Lamarite Shake	18" long 5", 7" & 12" width ¼" thick	TAS 110	Shake looking composite shingle.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
PRI Asphalt Technologies	TAM-083-02-01	TAS 100	07/07/03
	TAM-102-02-01		12/04/03
	TAM-096-02-01	ASTM G 96	04/15/04
ETC Laboratories	ETC-718-14328.0	ASTM D 1929 ASTM D 2843	10/23/03
Underwriters Laboratories, Inc.	00NK49854	UL 790	12/20/02
	03NK27560	UL 580	10/14/03
	03NK27560	UL 1897	10/14/03
	05NK02569	UL 580	06/03/05
	04NK24658	UL 790	01/28/05
	04NK24658	UL 580	01/28/05

APPROVED SYSTEMS:

Deck Type: Wood, Non-insulated

Deck Description: $^{19}/_{32}$" or greater plywood or wood plank.

Slope Range: 3:12 or greater

Maximum Uplift Pressure: The maximum allowable uplift pressure shall be **-82.5 psf.**

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than #8 x 2" wood screws spaced 6" o.c. In reroofing, where the deck is less than $^{19}/_{32}$" thick (Minimum $^{15}/_{32}$") The above attachment method must be in addition to existing attachment.

Underlayment: Underlayment shall be applied in accordance with applicable Building Code. Two plies of ASTM D 226 Type II felt overlapped 19" and 6" end lap. Underlayment shall be installed with minimum 12 ga. corrosion resistant ring shank nails and tin caps, spaced 12" o.c. staggered in the field and 6" o.c. at the laps. Or, any approved underlayment having a current NOA.

Valleys: Valley metal shall be a minimum 16" wide. Valley metal shall be set over a minimum 36" wide sweat sheet of minimum ASTM D 226 type II embedded in roofing cement, or an approved self-adhered membrane. Valley metal shall imbedded in roofing cement and be secure with roofing nails spaced a maximum 4" o.c. at outer most part of metal on each side. Valley edges shall be primed and embed a 6" wide asphalt coated fabric in a 8" wide bed of roofing cement. Place a second coat of roofing cement over the fabric. Valley detail shall be in accordance with the current published manufacturer's literature.

Ridge & Hips: Ridges shall be covered with panels having a width that is approximately the same as the field exposure. Pre-manufactured hip and ridge units are acceptable. Fasten each side of ridge or hip with one 11 ga. corrosion resistant ring shank nails of sufficient length to penetrate through the sheathing $^{3}/_{16}$". See TAMKO's published installation manual for detail.

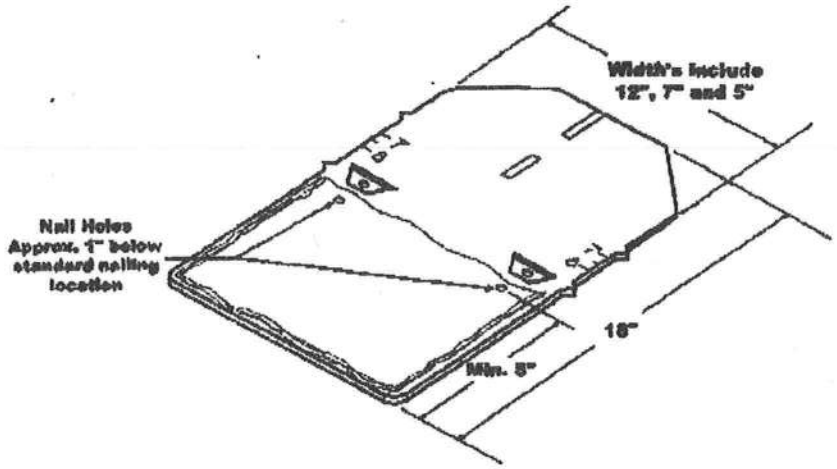
Starter: Install required starter over the edge a ¼". Fasten each starter with a minimum of two corrosion resistant roofing nails. Nails shall be of sufficient length to penetrate sheathing $^{3}/_{16}$".

Application: Lamarite Slate and Lamarite Shake shall be installed in accordance with TAMKO's current published installation manual. Lamarite Slate and Lamarite Shake shall have a maximum 7-½" exposure (see Detail 'B'). Lamarite Slate and Lamarite Shake shall be fastened with a minimum of two 11 ga. corrosion resistant ring shank nails through the holes that are positioned below the standard nail locations (see Detail 'A') and shall penetrate through underlying panel. Nails shall be of sufficient length to penetrate through the sheathing a minimum of $^{3}/_{16}$".

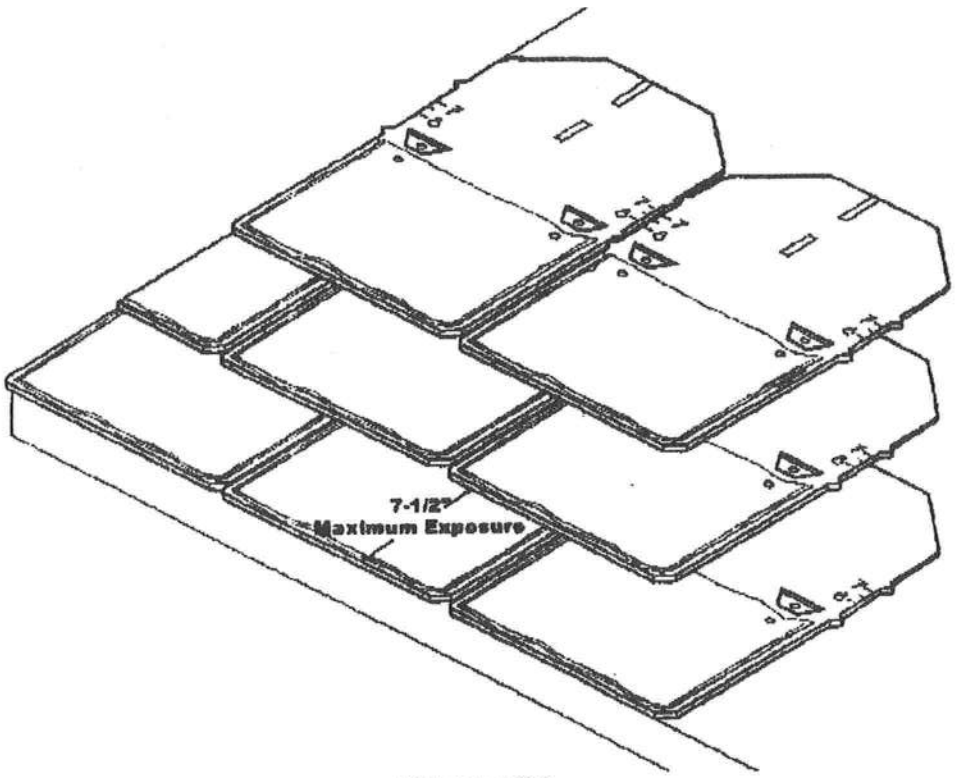
GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All panels and clips shall be permanently labeled with the manufacturer's name or logo, city, state and the following statement: "Miami Dade County Product Control Approved".
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

DRAWINGS
LAMARITE SLATE

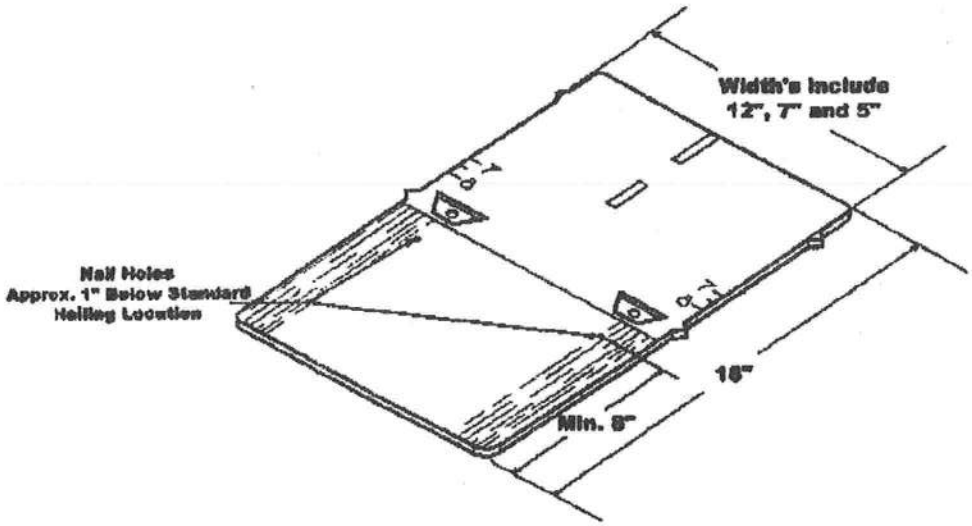


DETAIL 'A'

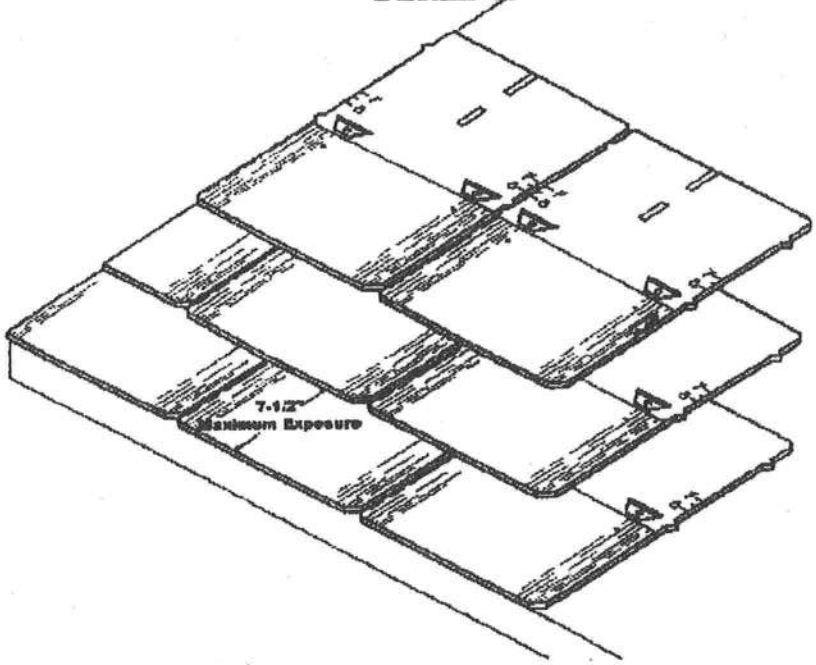


DETAIL 'B'

LAMARITE SHAKE



DETAIL 'A'



DETAIL 'B'

END OF THIS ACCEPTANCE

Hornsby
0705-23
0705-24

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Construction Glass Industries Corporation
7840 N.W. 62 Street
Miami, Fl. 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Series "238" Aluminum Designer Fixed Window

APPROVAL DOCUMENT: Drawing No. WO1-83, titled "Series-238 Aluminum Designer Fixed Window", sheets 1 through 7, prepared, signed and sealed by Humayoun Farooq, P.E., dated 12/27/01, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

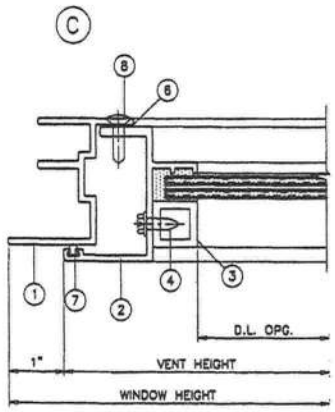
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews and revises NOA # 01-0112.03** and, consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Raul Rodriguez.**

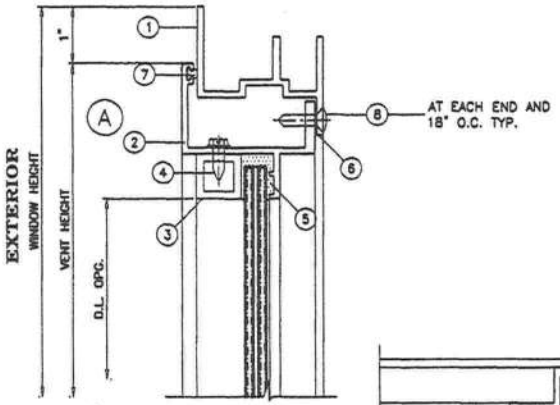
PRODUCT CONTROL ACCEPTED

NOA No 02-0122.05
Expiration Date: March 6, 2007
Approval Date: February 21, 2002

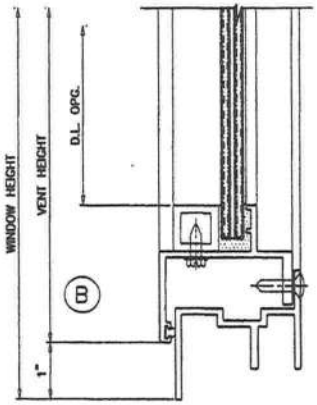
GENERAL WINDOW SECTIONS

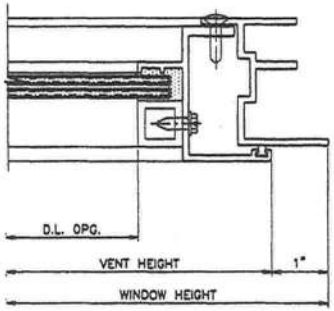


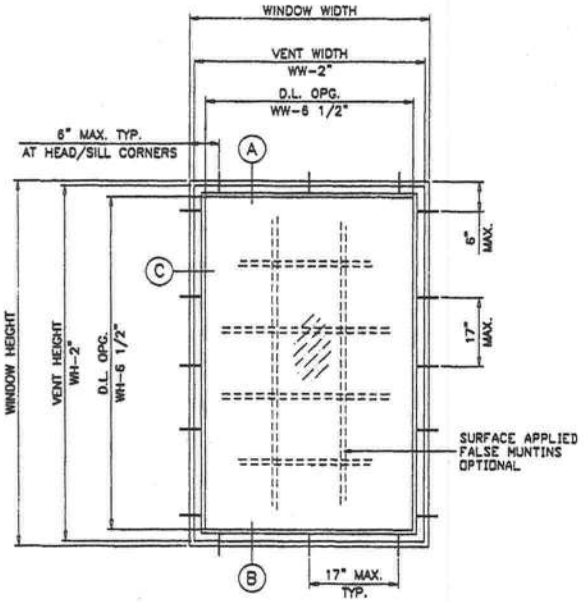
EXTERIOR



FOR GLASS TYPES
REFER TO
SHEETS 3, 4 & 5.







TYPICAL ELEVATION

FOR MULLION/MULTIPLE UNITS, REFER TO
SEPARATE CGI MULLION N.O.A.

NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

INSTRUCTIONS FOR USING THESE CHARTS:

STEP 1 DETERMINE THE REQUIRED DESIGN PRESSURES FOR A GIVEN WINDOW.

STEP 2 OBTAIN CAPACITY OF WINDOW/GLASS TYPE FROM APPROPRIATE CHARTS.
A) SHEETS 3 & 4 FOR IMPACT RESISTANT.
B) SHEET 5 FOR NON-IMPACT RESISTANT.

STEP 3 SELECT INSTALLATION (ANCHOR) TYPE FROM DETAILS ON SHEET 6 AND CHART ON SHEET 7.

THE VALUES OBTAINED FOR WINDOW AND ANCHORS MUST MEET OR EXCEED THE REQUIRED PRESSURES.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE February 21, 2002
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0122.05

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16567

JAN 1 5 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-83CG

SERIES-238 DESIGNER FIXED WINDOW

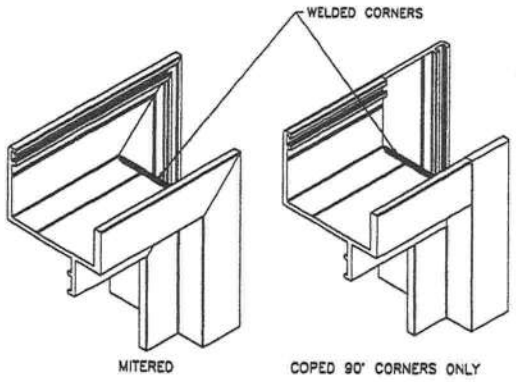
CONSTRUCTION GLASS IND. CORP.
7840 N.W. 62 nd STREET
MIAMI, FL. 33166
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:
no | date | by | description

date: 12-27-01
scale: 1/2" - 1"
dr. by: HAMID
chk. by:

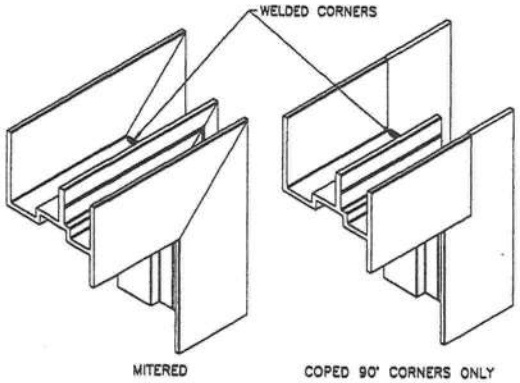
drawing no.
W01-83

sheet 1 of 7



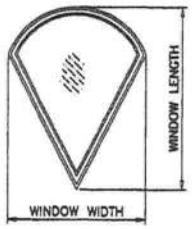
VENT CORNER

ALL FRAME AND VENT CORNERS TO BE SEALED WITH GE SILPRUF OR EQUIV.

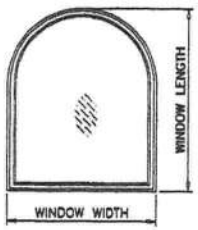


FRAME CORNER

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CGI-386	4	FRAME	6063-T6	INDALEX OR EQUIV.
2	CGI-387	4	VENT	6063-T6	INDALEX OR EQUIV.
2A	CGI-387IG	4	VENT (INSUL GLASS)	6063-T6	INDALEX OR EQUIV.
3	CGI-	4	GLAZING BEAD	6063-T5	INDALEX OR EQUIV.
4	-	AS REQD.	GLAZING BEAD SCREWS @ 8" FROM ENDS & 20" O.C. MAX.	-	#12 X 5/8" SMS
5	-	-	GLAZING COMPOUND	SILICONE	GE-1000 (NON-IMPACT)
5A	-	-	GLAZING COMPOUND	SILICONE	GE-1200 (IMPACT)
6	-	4	1/2" X .090" SINGLE FACED GLAZING TAPE	FOAM	-
7	Q200 X190	AS REQD.	VENT WEATHERSTRIPPING	-	SCHLEGEL Q-LON
8	-	AS REQD.	VENT SCREWS @ 17" O.C. TYP.	-	#10 X 1" SS SMS
9	-	2/ CORNER	FRAME AND VENT ASSEMBLY SCREWS	-	#10 X 1-1/4" SS SMS

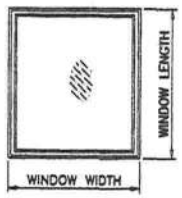


PARTIAL CIRCLE



TUMBSTONE

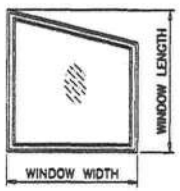
ARCH TOP



SQUARE OR RECTANGLE

OCTAGON

HEXAGON

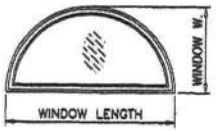


TRAPEZOID

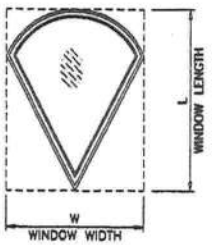
PENTAGON

ELLIPSE

FULL CIRCLE



HALF CIRCLE



VERIFY LOAD CAPACITY OF WINDOW BY INSCRIBING SHAPE OF WINDOW WITHIN A RECTANGULAR OR SQUARE SHAPE AND USING THOSE DIMENSIONS TO CONSULT CHARTS ON SHEETS 3, 4 & 5 FOR GLASS (IMPACT AND NON-IMPACT) AND SHEET 7 FOR ANCHORS AS ON SAMPLE ABOVE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
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Engr: DR. HUMAYOUN FAROOQ
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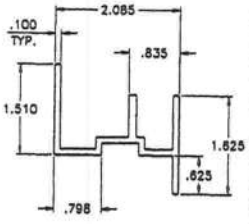
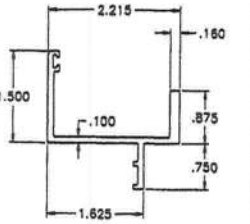
FLA. REG # 16557

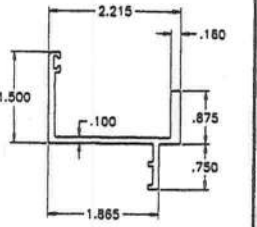
JAN 1 5 2002



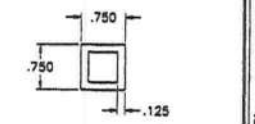
FRAME



VENT



VENT (INSUL GLASS)



GLAZING STOP

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revisions:

no	date	by	description

date: 12-27-01
scale: 1/2" - 1"
dr. by: HAMID
chk. by:

drawing no.
W01-83

sheet 2 of 7

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

NO SHUTTERS REQUIRED

REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	36"	110.0	145.5	110.0	157.5	110.0	195.8
30"		104.3	104.3	110.0	144.0	110.0	156.6
36"		82.5	82.5	110.0	120.0	110.0	130.5
42"		67.7	67.7	110.0	120.0	110.0	120.0
48"		58.5	58.5	110.0	120.0	110.0	120.0
54"		52.0	52.0	110.0	115.1	110.0	120.0
60"		46.6	46.6	102.7	102.7	110.0	120.0
24"	42"	110.0	127.2	110.0	157.5	110.0	193.6
30"		86.7	86.7	110.0	144.0	110.0	156.6
36"		67.7	67.7	110.0	120.0	110.0	120.0
42"		68.7	68.7	102.9	102.9	96.9	111.9
48"		60.6	60.6	102.9	102.9	96.9	111.9
54"		54.3	54.3	92.6	92.6	96.9	111.9
60"		48.1	48.1	81.7	81.7	90.0	90.0
24"	48"	110.0	111.2	110.0	157.5	110.0	184.4
30"		74.5	74.5	110.0	120.0	110.0	120.0
36"		58.5	58.5	110.0	120.0	110.0	120.0
42"		60.6	60.6	102.9	102.9	96.9	111.9
48"		54.2	54.2	90.0	90.0	84.8	97.9
54"		48.9	48.9	78.6	78.6	90.0	90.0
60"		44.1	44.1	69.6	69.6	90.0	90.0
24"	54"	103.8	103.8	110.0	154.3	110.0	177.8
30"		66.0	66.0	110.0	120.0	110.0	120.0
36"		52.0	52.0	110.0	115.1	110.0	120.0
42"		54.3	54.3	92.6	92.6	96.9	111.9
48"		48.9	48.9	78.6	78.6	90.0	90.0
54"		44.9	44.9	68.4	68.4	80.0	80.0
60"		40.7	40.7	60.4	60.4	80.0	80.0
24"	60"	100.8	100.8	110.0	120.0	110.0	120.0
30"		59.8	59.8	110.0	120.0	110.0	120.0
36"		46.6	46.6	102.7	102.7	110.0	120.0
42"		48.1	48.1	81.7	81.7	90.0	90.0
48"		44.1	44.1	69.6	69.6	90.0	90.0
54"		40.7	40.7	60.4	60.4	80.0	80.0
60"		–	–	–	–	70.0	70.0
24"	66"	93.0	93.0	110.0	120.0	110.0	120.0
30"		57.8	57.8	110.0	120.0	110.0	120.0
36"		41.4	41.4	90.0	90.0	90.0	90.0
42"		43.5	43.5	74.4	74.4	90.0	90.0
48"		40.3	40.3	62.4	62.4	90.0	90.0
54"		–	–	–	–	70.0	70.0
60"		–	–	–	–	70.0	70.0
24"	72"	91.9	91.9	110.0	120.0	110.0	120.0
30"		53.5	53.5	110.0	120.0	110.0	120.0
36"		38.4	38.4	89.2	89.2	90.0	90.0
42"		39.2	39.2	68.2	68.2	90.0	90.0
48"		35.5	35.5	56.8	56.8	90.0	90.0
60"		–	–	–	–	70.0	70.0
63"		–	–	–	–	68.6	68.6
66"		–	–	–	–	65.5	65.5
87"		–	–	–	–	50.0	50.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

NO SHUTTERS REQUIRED

REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

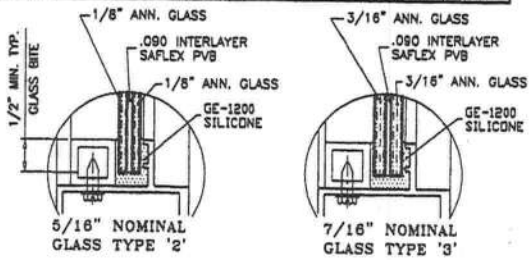
WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	78"	91.3	91.3	110.0	120.0	110.0	120.0
30"		51.7	51.7	90.0	90.0	90.0	90.0
36"		35.5	35.5	82.7	82.7	90.0	90.0
42"		34.8	34.8	64.6	64.6	90.0	90.0
60"		–	–	–	–	70.0	70.0
81"		–	–	–	–	50.0	50.0
24"	84"	85.6	85.6	110.0	120.0	110.0	120.0
30"		49.3	49.3	90.0	90.0	90.0	90.0
36"		33.4	33.4	81.0	81.0	90.0	90.0
57"		–	–	–	–	70.0	70.0
75"		–	–	–	–	50.0	50.0
24"	96"	78.1	78.1	110.0	120.0	110.0	120.0
30"		46.9	46.9	90.0	90.0	90.0	90.0
36"		31.7	31.7	76.8	76.8	90.0	90.0
51"		–	–	–	–	70.0	70.0
66"		–	–	–	–	50.0	50.0
24"	108"	59.0	59.0	90.0	90.0	90.0	90.0
30"		44.9	44.9	90.0	90.0	90.0	90.0
36"		–	–	–	–	70.0	70.0
45"		–	–	–	–	70.0	70.0
60"		–	–	–	–	50.0	50.0
24"	120"	45.6	45.6	90.0	90.0	90.0	90.0
39"		–	–	–	–	70.0	70.0
54"		–	–	–	–	50.0	50.0
36"	132"	–	–	–	–	70.0	70.0
48"		–	–	–	–	50.0	50.0
33"	144"	–	–	–	–	70.0	70.0
45"		–	–	–	–	50.0	50.0
30"	156"	–	–	–	–	70.0	70.0
39"		–	–	–	–	50.0	50.0

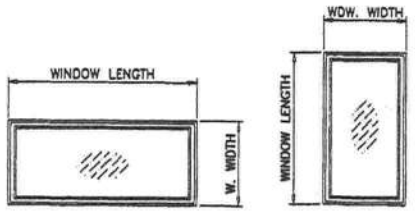
PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

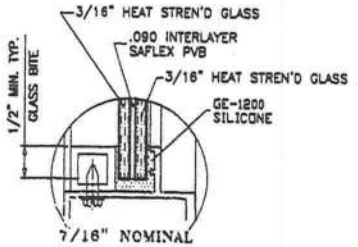
NO SHUTTERS REQUIRED

REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
19-1/8"	28"	110.0	157.5	110.0	157.5	110.0	210.0
26-1/2"		110.0	157.5	110.0	157.5	110.0	180.7
37"		110.0	123.0	110.0	157.5	110.0	180.7
53-1/8"		86.4	86.4	110.0	120.0	110.0	120.0
19-1/8"	38-3/8"	110.0	157.5	110.0	157.5	110.0	210.0
26-1/2"		110.0	114.2	110.0	157.5	110.0	177.3
37"		73.5	73.5	110.0	116.8	110.0	120.0
53-1/8"		49.8	49.8	106.0	106.0	106.1	120.0
19-1/8"	50-5/8"	110.0	157.5	110.0	157.5	110.0	210.0
26-1/2"		88.1	88.1	110.0	120.0	110.0	120.0
37"		54.2	54.2	110.0	116.8	110.0	120.0
53-1/8"		47.3	47.3	75.1	75.1	85.3	85.3
19-1/8"	63"	110.0	157.5	110.0	157.5	110.0	204.6
26-1/2"		74.8	74.8	110.0	120.0	110.0	120.0
37"		42.8	42.8	93.1	93.1	110.0	120.0
53-1/8"		39.4	39.4	58.3	58.3	81.3	81.3
19-1/8"	74-1/4"	110.0	120.0	110.0	120.0	110.0	120.0
26-1/2"		69.7	69.7	110.0	120.0	110.0	120.0
37"		35.9	35.9	82.9	82.9	90.0	90.0
53-1/8"		–	–	–	–	70.0	70.0







NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
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STRUCTURES
FLA. PE # 16557

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COMP-ANL\WO1-83CG

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revisions:

no	date	by	description

date: 12-27-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
WO1-83

sheet 3 of 7

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

NO SHUTTERS REQUIRED

REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

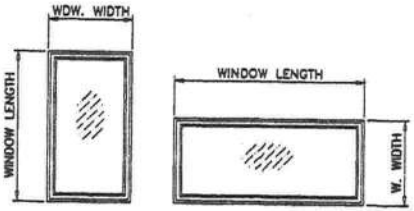
WINDOW DIMS.		GLASS TYPE '2A'		GLASS TYPE '3A'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	36"	110.0	157.0	110.0	195.6
30"		110.0	112.6	110.0	156.6
36"		89.0	89.0	110.0	130.5
42"		73.1	73.1	110.0	120.0
48"		63.1	63.1	110.0	120.0
54"		56.1	56.1	110.0	120.0
60"		50.3	50.3	110.0	120.0
24"	42"	110.0	137.3	110.0	193.6
30"		93.6	93.6	110.0	156.6
36"		73.1	73.1	110.0	120.0
42"		74.8	74.8	96.9	111.9
48"		66.0	66.0	96.9	111.9
54"		59.1	59.1	96.9	111.9
60"		52.5	52.5	90.0	90.0
24"	48"	110.0	120.0	110.0	184.4
30"		80.5	80.5	110.0	120.0
36"		63.1	63.1	110.0	120.0
42"		66.0	66.0	96.9	111.9
48"		59.0	59.0	84.8	97.9
54"		53.2	53.2	90.0	90.0
60"		48.0	48.0	90.0	90.0
24"	54"	110.0	112.0	110.0	177.8
30"		71.2	71.2	110.0	120.0
36"		56.1	56.1	110.0	120.0
42"		59.1	59.1	96.9	111.9
48"		53.2	53.2	90.0	90.0
54"		48.9	48.9	80.0	80.0
60"		44.3	44.3	80.0	80.0
24"	60"	108.8	108.8	110.0	120.0
30"		64.5	64.5	110.0	120.0
36"		50.3	50.3	110.0	120.0
42"		52.5	52.5	90.0	90.0
48"		48.0	48.0	90.0	90.0
54"		44.3	44.3	80.0	80.0
24"	66"	100.4	100.4	110.0	120.0
30"		62.4	62.4	110.0	120.0
36"		44.7	44.7	90.0	90.0
42"		47.4	47.4	90.0	90.0
48"		43.9	43.9	90.0	90.0
24"	72"	99.2	99.2	110.0	120.0
30"		57.7	57.7	110.0	120.0
36"		41.4	41.4	90.0	90.0
42"		42.7	42.7	90.0	90.0
48"		38.6	38.6	90.0	90.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

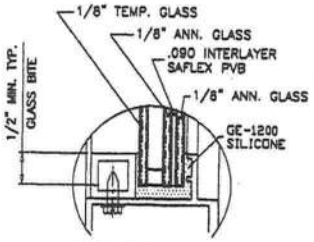
NO SHUTTERS REQUIRED

REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

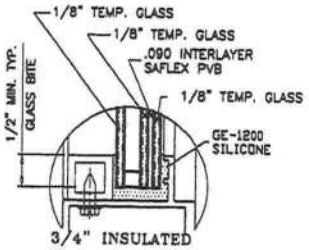
WINDOW DIMS.		GLASS TYPE '2A'		GLASS TYPE '3A'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	78"	98.6	98.6	110.0	120.0
30"		55.8	55.8	90.0	90.0
36"		38.3	38.3	90.0	90.0
42"		37.9	37.9	90.0	90.0
24"	84"	92.4	92.4	110.0	120.0
30"		53.2	53.2	90.0	90.0
36"		36.0	36.0	90.0	90.0
24"	96"	84.3	84.3	110.0	120.0
30"		50.6	50.6	90.0	90.0
36"		34.2	34.2	90.0	90.0
24"	108"	63.7	63.7	90.0	90.0
30"		48.5	48.5	90.0	90.0
24"	120"	49.2	49.2	90.0	90.0
19-1/8"	26"	110.0	170.0	110.0	210.0
26-1/2"		110.0	166.2	110.0	180.7
37"		110.0	132.7	110.0	180.7
53-1/8"		93.2	93.2	110.0	120.0
19-1/8"	38-3/8"	110.0	170.0	110.0	210.0
26-1/2"		110.0	123.3	110.0	177.3
37"		79.2	79.2	110.0	120.0
53-1/8"		53.7	53.7	106.1	120.0
19-1/8"	50-5/8"	110.0	170.0	110.0	210.0
26-1/2"		95.1	95.1	110.0	169.7
37"		58.5	58.5	110.0	120.0
53-1/8"		51.6	51.6	85.3	85.3
19-1/8"	63"	110.0	170.0	110.0	204.6
26-1/2"		80.8	80.8	110.0	120.0
37"		46.2	46.2	110.0	120.0
53-1/8"		42.9	42.9	81.3	81.3
19-1/8"	74-1/4"	110.0	120.0	110.0	120.0
26-1/2"		75.2	75.2	110.0	120.0
37"		38.8	38.8	90.0	90.0



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



3/4" INSULATED
GLASS TYPE '2A'



3/4" INSULATED
GLASS TYPE '3A'

SEE SHEETS 6 & 7 FOR ANCHORS

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE February 21, 2002
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0122.05

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 15557

JAN 1 5 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-83CG

SERIES-238 DESIGNER FIXED WINDOW

CONSTRUCTION GLASS IND. CORP.
7840 N.W. 62 nd STREET
MIAMI, FL. 33166
TEL. (305) 593-6590 FAX. (305) 593-6592

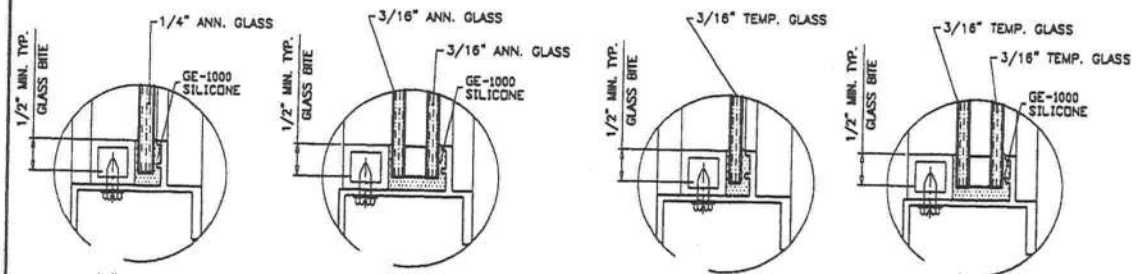
revisions:

no	date	by	description

date: 12-27-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W01-83

sheet 4 of 7



1/4" NOMINAL GLASS TYPE '4'

3/4" OVERALL INSUL. ANN. ALT. GLASS TYPE '4A'

3/16" NOMINAL GLASS TYPE '5'

3/4" OVERALL INSUL. TEMP. ALT. GLASS TYPE '5A'

PERFORMANCE VALUES OF NON-IMPACT RESISTANT WINDOWS
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED
REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

WINDOW DIMS.		GLASS TYPE '4'		GLASS TYPE '4A'		GLASS TYPE '5'&'5A'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	36"	92.5	92.5	92.5	92.5	110.0	195.8
30"		74.0	74.0	74.0	74.0	110.0	156.6
36"		61.7	61.7	61.7	61.7	110.0	130.5
42"		61.7	61.7	61.7	61.7	110.0	130.5
48"		61.7	61.7	61.7	61.7	110.0	130.5
54"		61.7	61.7	61.7	61.7	110.0	130.5
60"		57.7	57.7	61.7	61.7	110.0	130.5
24"	42"	91.5	91.5	91.5	91.5	110.0	193.6
30"		74.0	74.0	74.0	74.0	110.0	156.6
36"		61.7	61.7	61.7	61.7	110.0	130.5
42"		52.9	52.9	52.9	52.9	96.9	111.9
48"		52.9	52.9	52.9	52.9	96.9	111.9
54"		52.9	52.9	52.9	52.9	96.9	111.9
24"	48"	87.1	87.1	87.1	87.1	110.0	184.4
30"		74.0	74.0	74.0	74.0	110.0	156.6
36"		61.7	61.7	61.7	61.7	110.0	130.5
42"		52.9	52.9	52.9	52.9	96.9	111.9
48"		46.3	46.3	46.3	46.3	84.8	97.9
24"	54"	84.0	84.0	84.0	84.0	110.0	177.6
30"		72.4	72.4	72.4	72.4	110.0	153.2
36"		61.7	61.7	61.7	61.7	110.0	130.5
42"		52.9	52.9	52.9	52.9	96.9	111.9

PERFORMANCE VALUES OF NON-IMPACT RESISTANT WINDOWS
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED
REFER TO SHEETS 6 AND 7 FOR INSTALLATION DETAILS

WINDOW DIMS.		GLASS TYPE '4'		GLASS TYPE '4A'		GLASS TYPE '5'&'5A'	
WIDTH	LENGTH	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)	EXT. (+)	INT. (−)
24"	60"	81.7	81.7	81.7	81.7	110.0	172.9
30"		69.7	69.7	69.7	69.7	110.0	147.5
36"		57.7	57.7	61.7	61.7	110.0	130.5
24"	66"	79.9	79.9	79.9	79.9	110.0	169.0
30"		67.6	67.6	67.6	67.6	110.0	143.2
24"	72"	78.4	78.4	78.4	78.4	110.0	166.0
30"		64.4	64.4	66.0	66.0	110.0	139.8
24"	78"	77.2	77.2	77.2	77.2	110.0	163.4
24"	84"	76.2	76.2	76.2	76.2	110.0	161.3
24"	96"	74.7	74.7	74.7	74.7	110.0	158.1
19-1/8"	26"	110.0	116.1	110.0	116.1	110.0	210.0
26-1/2"		85.4	85.4	85.4	85.4	110.0	180.7
37"		85.4	85.4	85.4	85.4	110.0	180.7
53-1/8"		79.9	79.9	79.9	79.9	110.0	169.0
19-1/8"	38-3/8"	109.2	109.2	109.2	109.2	110.0	210.0
26-1/2"		83.8	83.8	83.8	83.8	110.0	177.3
37"		60.0	60.0	60.0	60.0	110.0	127.0
53-1/8"		57.9	57.9	57.9	57.9	107.1	123.7
19-1/8"	50-5/8"	101.1	101.1	101.1	101.1	110.0	210.0
26-1/2"		80.2	80.2	80.2	80.2	110.0	169.7
37"		60.0	60.0	60.0	60.0	110.0	127.0
19-1/8"	63"	96.7	96.7	96.7	96.7	110.0	204.6
26-1/2"		74.9	74.9	74.9	74.9	110.0	158.6
37"		53.6	53.6	60.0	60.0	110.0	127.0
19-1/8"	74-1/4"	94.1	94.1	94.1	94.1	110.0	199.2
26-1/2"		72.0	72.0	72.0	72.0	110.0	152.5

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE February 21, 2002
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0122.05

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

JAN 1 5 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
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TEL. (305) 264-8100 FAX. (305) 262-6978
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SERIES-238 DESIGNER FIXED WINDOW

CONSTRUCTION GLASS IND. CORP.
7840 N.W. 62 nd STREET
MIAMI, FL. 33166
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revisions:

no	date	by	description

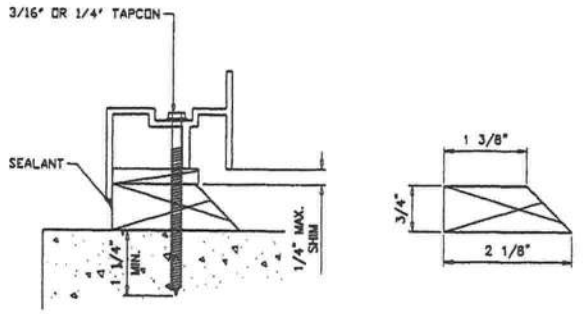
date: 12-27-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W01-83

sheet 5 of 7

INSTALLATION CONDITIONS (APPLIES TO ALL FOUR SIDES)

FOR ANCHOR PERFORMANCE VALUES SEE SHEET 6

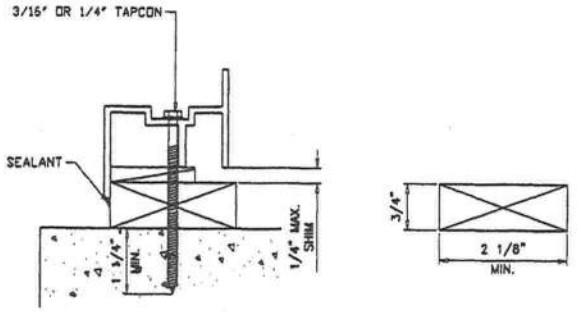


INSTALLATION TYPE '1'

WOOD BUCK TYPE '1'

MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD

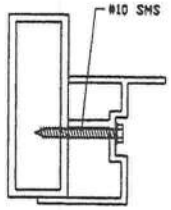


INSTALLATION TYPE '2'

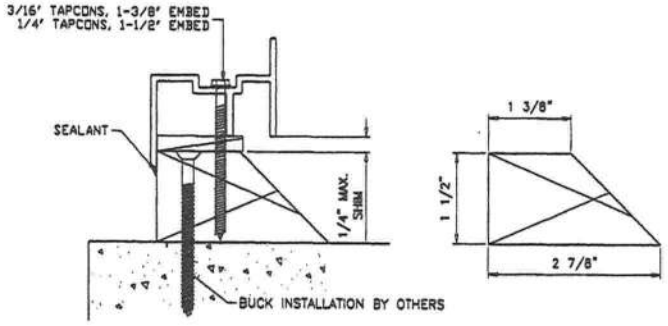
WOOD BUCK TYPE '2'

MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD



ATTACHMENT TO
APPROVED MULLIONS

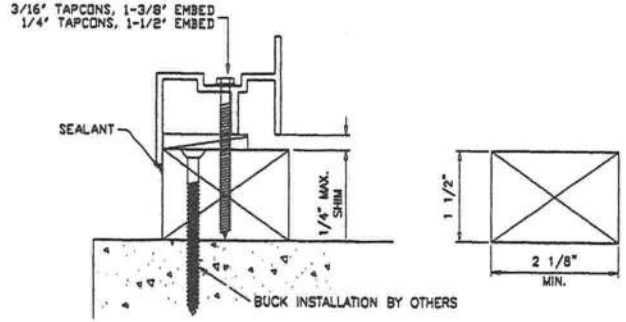


INSTALLATION TYPE '3'

WOOD BUCK TYPE '3'

MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD



INSTALLATION TYPE '4'

WOOD BUCK TYPE '4'

MATERIAL: PRESSURE TREATED

TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD

WOOD BUCKS NOT BY CGI CORP., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE February 21, 2002
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0122.05

Engr: DR. HUMAYOUN FAROOQ
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FLA. PE # 16557

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SERIES-238 DESIGNER FIXED WINDOW

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revisions:

no	date	by	description

date: 12-27-01
scale: 1/2" = 1"
dr. by: HAMD
chk. by:

drawing no.
W01-83

sheet 6 of 7

PERFORMANCE VALUES FOR INSTALLATION OF ANCHORS TYPE 'A' 'B' OR 'C'
REFER TO SHEET 6 FOR DETAILS

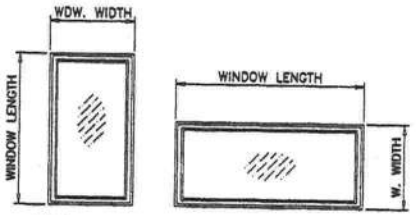
WINDOW DIMS. WIDTH	WINDOW DIMS. LENGTH	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'
24"	36"	198.0	220.0	220.0
30"		158.4	189.6	220.0
36"		132.0	158.0	184.0
42"		105.6	126.4	147.2
48"		132.0	158.0	184.0
54"		113.1	135.4	157.7
60"		99.0	118.5	138.0
24"	42"	158.4	189.6	220.0
30"		126.7	151.7	176.6
36"		105.6	126.4	147.2
42"		90.5	108.3	126.2
48"		113.1	135.4	157.7
54"		97.0	116.1	135.2
60"		84.9	101.6	118.3
24"	48"	198.0	220.0	220.0
30"		158.4	189.6	220.0
36"		132.0	158.0	184.0
42"		113.1	135.4	157.7
48"		99.0	118.5	138.0
54"		84.9	101.6	118.3
60"		74.3	88.9	103.5
24"	54"	169.7	203.1	220.0
30"		135.8	162.5	189.3
36"		113.1	135.4	157.7
42"		97.0	116.1	135.2
48"		84.9	101.6	118.3
54"		75.4	90.3	105.1
60"		66.0	79.0	92.0
24"	60"	148.5	177.8	207.0
30"		118.8	142.2	165.6
36"		99.0	118.5	138.0
42"		84.9	101.6	118.3
48"		74.3	88.9	103.5
54"		66.0	79.0	92.0
60"		59.4	71.1	82.8
24"	66"	176.0	210.7	220.0
30"		140.8	168.5	196.3
36"		117.3	140.4	163.6
42"		100.6	120.4	140.2
48"		88.0	105.3	122.7
54"		78.2	93.6	109.0
60"		70.4	84.3	98.1
24"	72"	158.4	189.6	220.0
30"		126.7	151.7	176.6
36"		105.6	126.4	147.2
42"		90.5	108.3	126.2
48"		79.2	94.8	110.4
54"		70.4	84.3	98.1
60"		63.4	75.8	88.3

PERFORMANCE VALUES FOR INSTALLATION OF ANCHORS TYPE 'A' 'B' OR 'C'
REFER TO SHEET 6 FOR DETAILS

WINDOW DIMS. WIDTH	WINDOW DIMS. LENGTH	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'
24"	78"	144.0	172.4	200.7
30"		115.2	137.9	160.6
36"		96.0	114.9	133.8
42"		82.3	98.5	114.7
48"		72.0	86.2	100.4
54"		64.0	76.6	89.2
60"		57.6	68.9	80.3
66"		52.4	62.7	73.0
72"		48.0	57.5	66.9
78"		44.3	53.0	61.8
24"	84"	165.0	197.5	220.0
30"		132.0	158.0	184.0
36"		110.0	131.7	153.3
42"		94.3	112.9	131.4
48"		82.5	98.8	115.0
54"		73.3	87.8	102.2
60"		66.0	79.0	92.0
66"		60.0	71.8	83.6
72"		55.0	65.8	76.7
24"	96"	141.4	169.3	197.1
30"		113.1	135.4	157.7
36"		94.3	112.9	131.4
42"		80.8	96.7	112.7
48"		70.7	84.6	98.6
54"		62.9	75.2	87.6
60"		56.6	67.7	78.9
66"		51.4	61.6	71.7
72"		47.1	56.4	65.7
24"	108"	148.5	177.8	207.0
30"		118.8	142.2	165.6
36"		99.0	118.5	138.0
42"		84.9	101.6	118.3
48"		74.3	88.9	103.5
54"		66.0	79.0	92.0
60"		59.4	71.1	82.8
24"	120"	154.0	184.3	214.7
30"		123.2	147.5	171.7
36"		102.7	122.9	143.1
42"		88.0	105.3	122.7
48"		77.0	92.2	107.3
54"		68.4	81.9	95.4
24"	132"	158.4	189.6	220.0
30"		126.7	151.7	176.6
36"		105.6	126.4	147.2
42"		90.5	108.3	126.2
48"		79.2	94.8	110.4
24"	144"	144.0	172.4	200.7
30"		115.2	137.9	160.6
36"		96.0	114.9	133.8
42"		82.3	98.5	114.7
48"		72.0	86.2	100.4
24"	156"	148.5	177.8	207.0
30"		118.8	142.2	165.6
36"		99.0	118.5	138.0
42"		84.9	101.6	118.3

PERFORMANCE VALUES FOR INSTALLATION OF ANCHORS TYPE 'A' 'B' OR 'C'
REFER TO SHEET 6 FOR DETAILS

WINDOW DIMS. WIDTH	WINDOW DIMS. LENGTH	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'
19-1/8"	26"	220.0	220.0	220.0
26-1/2"		214.0	220.0	220.0
37"		175.5	210.0	220.0
53-1/8"		160.0	191.5	220.0
19-1/8"	38-3/8"	220.0	220.0	220.0
26-1/2"		163.2	195.3	220.0
37"		116.9	139.9	162.9
53-1/8"		108.4	129.8	151.1
19-1/8"	50-5/8"	220.0	220.0	220.0
26-1/2"		167.1	200.1	220.0
37"		119.7	143.3	166.9
53-1/8"		82.2	98.4	114.5
19-1/8"	63"	175.4	209.9	220.0
26-1/2"		126.6	151.5	176.4
37"		90.7	108.5	126.4
53-1/8"		63.1	75.6	88.0
19-1/8"	74-1/4"	191.6	220.0	220.0
26-1/2"		138.3	165.5	192.7
37"		99.0	118.5	138.0
53-1/8"		69.0	82.6	96.1



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

ANCHORS:

A = 3/16" TAPCONS

INTO 2BY BUCKS OR WOOD STRUCTURES
1-3/8" MIN. EMBEDMENT

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. MASONRY EMBED

B = 1/4" TAPCONS

INTO 2BY BUCKS OR WOOD STRUCTURES
1-1/2" MIN. WOOD EMBEDMENT

C = 1/4" TAPCONS

THRU WOOD BUCKS INTO MASONRY
1-1/4" MIN. MASONRY EMBED

#10 SMS

INTO APPROVED MULLIONS

TAPCONS AS MANUFACTURED BY ELCO.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE February 21, 2002
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0122.05

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16357

JAN 1 5 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W01-83CG

SERIES-238 DESIGNER FIXED WINDOW

CONSTRUCTION GLASS IND. CORP.
7840 N.W. 62 nd STREET
MIAMI, FL. 33166
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:
no	date	by	description

date: 12-27-01
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W01-83

sheet 7 of 7

Hornbg
#0705-23
#0705-24

MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Construction Glass Industries
10100 N.W. 25 St.
Miami FL., 33172

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "450" Outswing Aluminum Door w/ Sidelites - Impact

APPROVAL DOCUMENT: Drawing No.**W98-01**, titled "Series 450 Doors & Sidelites", sheets 1, 1.1 through 7.1 of 7.1, prepared by Al-Farooq Corporation, dated 10/02/98 and last revised on 11-08-2006, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises & renews NOA # 03-0422.02** and, consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**

PRODUCT CONTROL ACCEPTED

NOA No. 06-0127.02
Expiration Date: November 09, 2011
Approval Date: November 30, 2006

11/9/16

Construction Glass Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # **03-0422.02**)

1. Manufacturer's die drawings and sections.
2. Drawing No.**W98-01**, titled "Series 450 Doors & Sidelites", sheets 1, 1.1 through 7.1 of 7.1, prepared by Al-Farooq Corporation, dated 10/02/98 and last revised on 11-08-2006, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS (transferred from file # **03-0422.02**) Original test conducted per FBC, PA 201, 202 &203-94 now known as FBC, TAS 201, 202 & 203-94.

1. Test report on 1) Air Infiltration Test, per PA 202-94
   2) Uniform Static Air Pressure Test, Loading per PA 202-94
   3) Water Resistance Test, per PA 202-94.
   4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
   5) Large Missile Impact Test per SFBC and PA201-94
   6) Cyclic Wind Pressure Loading per SFBC and PA203-94

   Along with manufacturer's parts and section drawing marked-up drawings of an aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.
2. Additional test report on
   1) Uniform Static Air Pressure Test, Loading per PA 202-94
   2) Large Missile Impact Test per SFBC, PA201-94
   3) Cyclic Wind Pressure Loading per SFBC, PA 203-94

   Along with manufacturer's parts and section drawing marked-up drawings of aluminum out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-01071 (0080-0402-02)** dated 04/01/20028 tested per PA201-94 & PA203-94, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS

1. Anchor verification dated 12-21-05and last revised on 11/06/06, prepared by Al-Farroq Corp., complying w/ FBC 2004 prepared, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Glazing complies with ASTME-1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 03-0827.08 issued to Solutia, Inc. for "***Solutia Interlayers***", expiring on 03/04/09.

F. STATEMENTS (transferred from file# **02-0702.01**).

1. Statement letter of conformance and no financial interest, dated 12-21-05, signed by Dr. Humayoun Farooq, P.E.
2. Letter of lab compliance, part of the above test reports.

G. OTHER

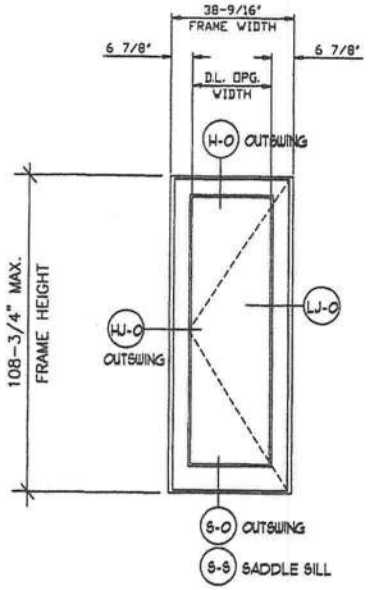
1. This NOA **revises & renews # 03-0422.02, expiring 11-09-06**

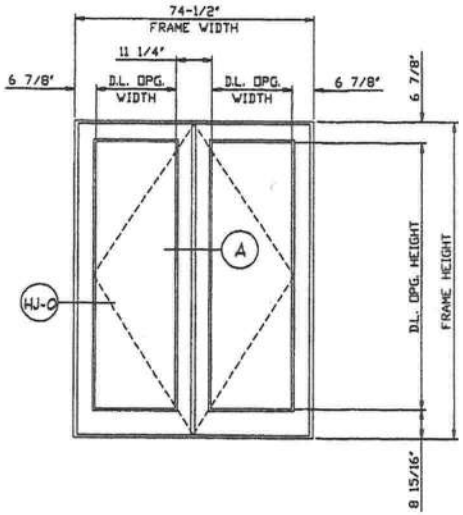
Ishaq I. Chanda

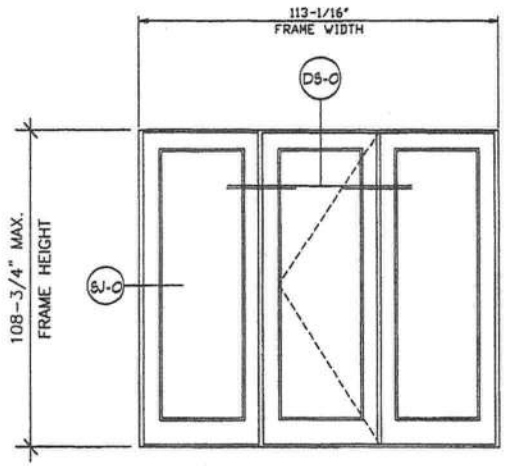
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 06-0127.02
Expiration Date: November 09, 2011
Approval Date: November 30, 2006

TYPICAL ELEVATIONS

TYPICAL ANCHORS SPACED AS SHOWN IN DETAILS AND CHARTS.
ANCHORS TO BE AT 6" FROM CORNERS
MAX. SPACING 24" O.C. AT HEAD & SILL.

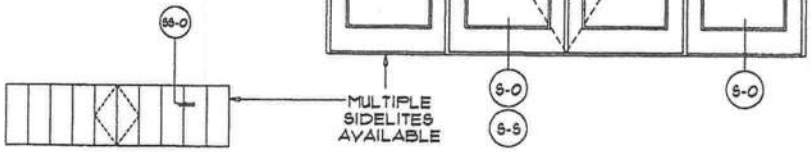


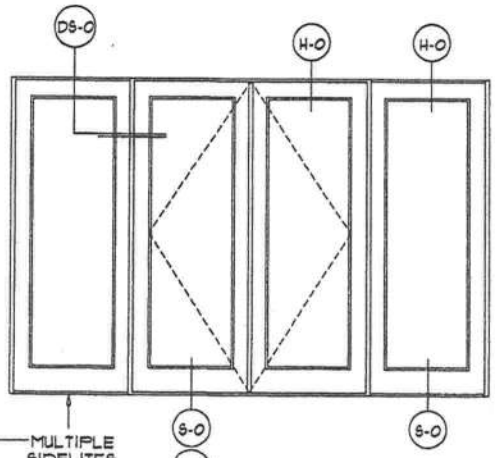




FRAME HEIGHT = PANEL HEIGHT + 1.750"
FRAME WIDTH = PANEL WIDTH + 2.750"

STEPS TO USE CHARTS/GRAPHS
SEE SHEETS 6 & 7.





PANEL WIDTH	D.L. OPG. WIDTH
24"	12-7/8"
30"	18-7/8"
36"	24 7/8"
42"	30-7/8"

PANEL HEIGHT	D.L. OPG. HEIGHT
80"	66-1/2"
84"	70-1/2"
90"	76-1/2"
96"	82-1/2"
108"	94-1/2"

LEGEND
___-O - OUTSWING DOOR DETAIL
☐ - ITEM DESCRIPTION (see sheet 2 of 7)

revisions:

A	11.01.01	CHART REV. PER ASTM E-1300 & 1997 NOS
B	11.14.02	GLASS TYPES REV. INSUL. GLASS ADDED
C	08.05.03	NO CHANGE THIS SHEET
D	12.14.05	NO CHANGE THIS SHEET
E	10.16.06	REV. PER BCCO COMMENTS

W98-01

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
NOV 0 8 2006

PRODUCT RENEWED
accomplishing with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date: MAY 09, 2011
By: Ishaq I. Usmani
Miami-Dade Product Control Division

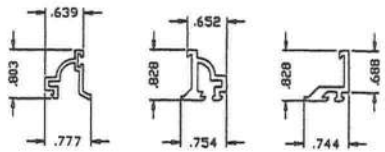
CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

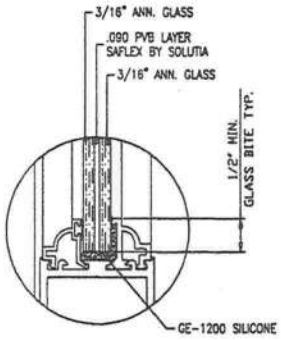
product : Series 450 Outswing Doors & Sidelites

ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

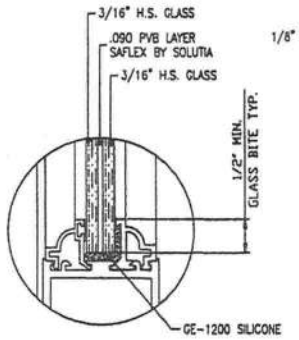
date : 10-20-97 | sheet 1 of 7

TYPICAL ELEVATIONS

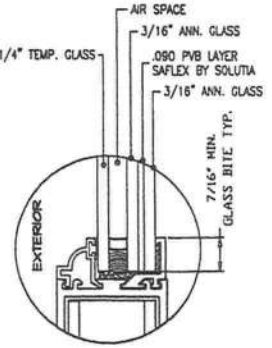




GLASS TYPE 13A

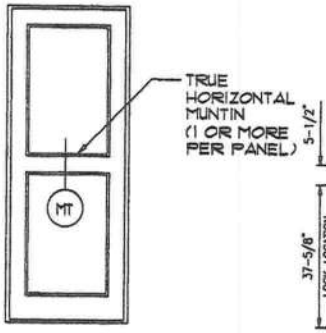


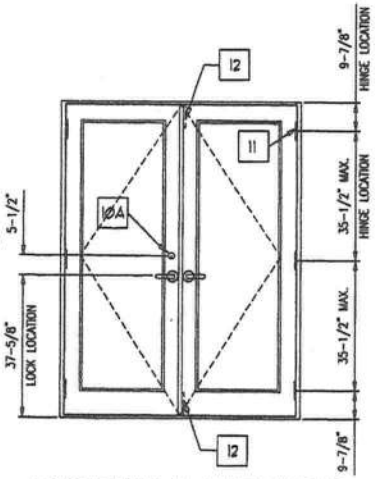
GLASS TYPE 13B



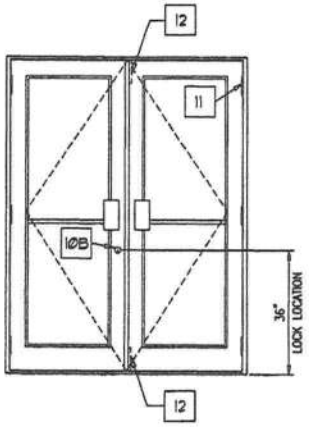
GLASS TYPE 13C

TYPICAL GLAZING DETAILS

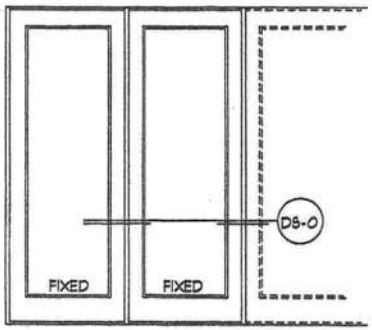




RESIDENTIAL HARDWARE



COMMERCIAL HARDWARE



LEGEND

___-0 - OUTSWING DOOR DETAIL

□ - ITEM DESCRIPTION
(see sheet 2 of 7)

W98-01

HINGE LOCATIONS		
MAX. DOOR HEIGHT	NO. REQD.	MAX. SPACING
UPTO 90-3/4"	3	35 1/2"
ABOVE 90-3/4"	4	30 1/2"

OPTIONAL TRUE MUNTINS
DOOR OR SIDELITE

HARDWARE DESCRIPTION

B	11.14.02	GLAZING DTL. REV.
C	05.05.03	GLAZING DTL. ADDED
D	12.14.05	NO CHANGE THIS SHEET
E	10.16.06	REV. PER BCCO COMMENTS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 08 2006

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date NOV09'2011
By: Ishaq I. Chanda
Miami-Dade Product Control Division

CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

product : Series 450 Outswing Doors & Sidelites

ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

date : 10-20-97 | sheet 11 of 7

BILL OF MATERIALS

ITEM	DESCRIPTION
1	#12 X 1 1/4" HEX HEAD S/S SMS (3 PER CONNECTION)
2A	3/8-16 FULLY THREADED CONTINUOUS ROD
2B	3/8-16 HEX NUT
2C	1 1/2" X 1 1/2" X 3/16"THK. ALUMINUM PLATE
3	SHEAR CLIP (EXT. NO. 506)
4	DOUBLE 9/32" DIA. JAMB INSTLL. HOLES AT 6" FROM ENDS & 24 3/16" O.C. MAX.
5	9/32" DIA. HEAD & SILL INSTLL. HOLES AT 6" FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6" O.C. & 24" O.C. MAX.
6	#10 X 1" PH-PH-SS TEKS SCREW, @ 3" & 7" FROM ENDS & 24" O.C. MAX.
7	#14 X 3/4" HEX HEAD S/S TEKS SCREW AT 6" FROM ENDS & 24 3/16" O.C. MAX.
8	.320 HIGH WOOL PILE WITH CENTER FIN (ULTRAFAB # 3032)
9	.350 HIGH FOAM-TITE WEATHERSEAL (AMESBURY # 32011)
10	THREE POINT LOCK AT ACTIVE LEAF
10A	CUSTOM CGI THREE POINT LOCK MECHANISM WHICH CONSISTS OF (1) TITAN KWIKSET SERIES 780 DEADBOLT (OR EQUAL) (2) DEADBOLT LATCH (TOP & BOTTOM) AND CUSTOM CGI INTERIOR LINKAGE MECHANISM
10B	REFLECTOLITE SERIES 6000 THREE POINT LOCK MECHANISM
11	HAGER 4 1/2" X 4" SOLID BRASS (OR S/S) HINGE SECURED WITH (8) #12-24 X 1/2" BRASS F.H. M.S. (3 PER PANEL UP TO 7'-6 3/4" HIGH) (4 PER PANEL OVER 7'-6 3/4" TO 9'-0 3/4" HIGH)
12	FLUSHBOLT AT TOP & BOTTOM OF INACTIVE LEAF (DELTA MODEL 5509) WITH REINFORCED TIP
13	13A 1/2" NOMINAL (.466 ACTUAL) ANNEALED LAMINATED GLASS (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER
	13B 1/2" NOMINAL (.466 ACTUAL) HEAT STREN'D LAMINATED GLASS (2 PCS.) 3/16" THK. H.S. GLASS AND .090" SAFLEX INTERLAYER
	13C 1" NOMINAL (.966 ACTUAL) INSUL. ANN. LAMINATED GLASS 1/8" TEMP. GLASS (OUTBOARD), 3/8" AIR SPACE AND (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER OR 1" NOMINAL (.966 ACTUAL) INSUL. ANN. LAMINATED GLASS 1/4" TEMP. GLASS (OUTBOARD), 1/4" AIR SPACE AND (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER
14	GE-1200 SILICONE
15	3/4" X 1 1/4" X 3/4" X 1/8"THK. CONTINUOUS ALUMINUM CHANNEL SECURED WITH INSTALLATION SCREWS (SEE ITEM 5)
16	1/2" THK. (nom) CUSTOM ALUMINUM PANEL CONSISTING OF (2) .090 THK. ALUM. SHEETS & (1) 1/4" PLYWOOD AT CENTER
17	1/2" X 1/2" CONTINUOUS CLOSED CELL FOAM TAPE WITH ONE SIDE ADHESIVE
18	PLASTIC WEEP BAFFLE
19	7/8" X 5" X 1/8" THK. CONTINUOUS ALUMINUM SILL ANGLE ADAPTOR

EXT. = EXTRUSION LIST 500, 501, 502, 506, 507, 508, 509, 510 & 511
ALL EXTRUSIONS ARE 6063-T6.

W98-01

B 11.14.02 GLASS TYPES REV. ADDL. GLASS ADDED
C 08.05.03 NO CHANGE THIS SHEET
D 12.14.05 NO CHANGE THIS SHEET
E 10.16.06 REV. FOR BCCO COMMENTS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 08 2006

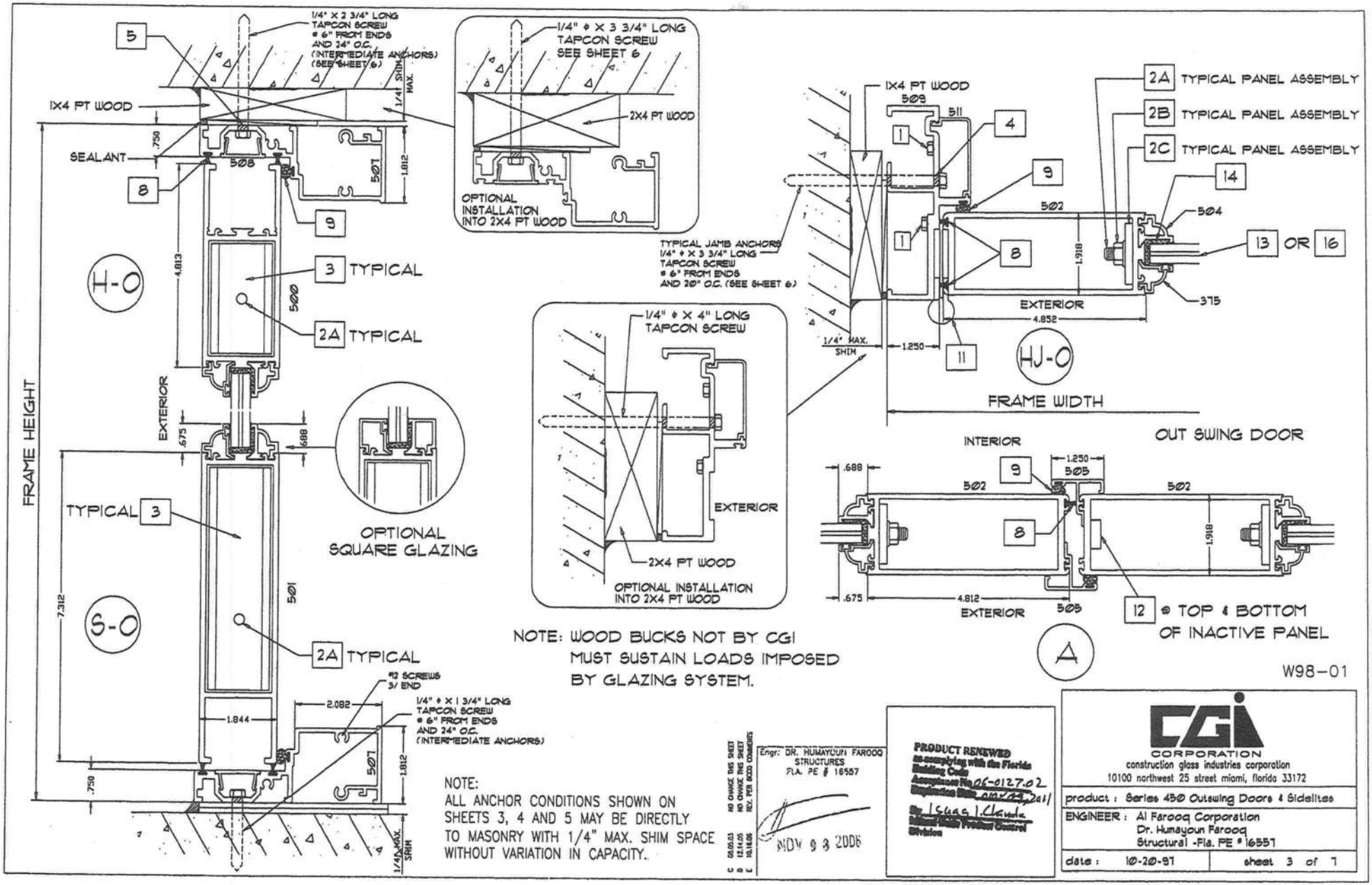
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date NOV 05 2011
By Shaq I. Uluroda
Miami-Dade Product Control Division

CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

product : Series 450 Outswing Doors & Sidelites

ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

date : 10-20-97 | sheet 2 of 7



NOTE: WOOD BUCKS NOT BY CGI MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

NOTE:
ALL ANCHOR CONDITIONS SHOWN ON SHEETS 3, 4 AND 5 MAY BE DIRECTLY TO MASONRY WITH 1/4" MAX. SHIM SPACE WITHOUT VARIATION IN CAPACITY.

C 02.05.03 NO CHANGE THIS SHEET
B 12.14.05 NO CHANGE THIS SHEET
A 10.16.06 REV. PER ECO COMMENTS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 03 2006

PRODUCT RENEWED as complying with the Florida Building Code
Application No. 06-0127.02
Expiration Date: 09/23/2011
By: Ishaq I. Chanda
Product Control Division

CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

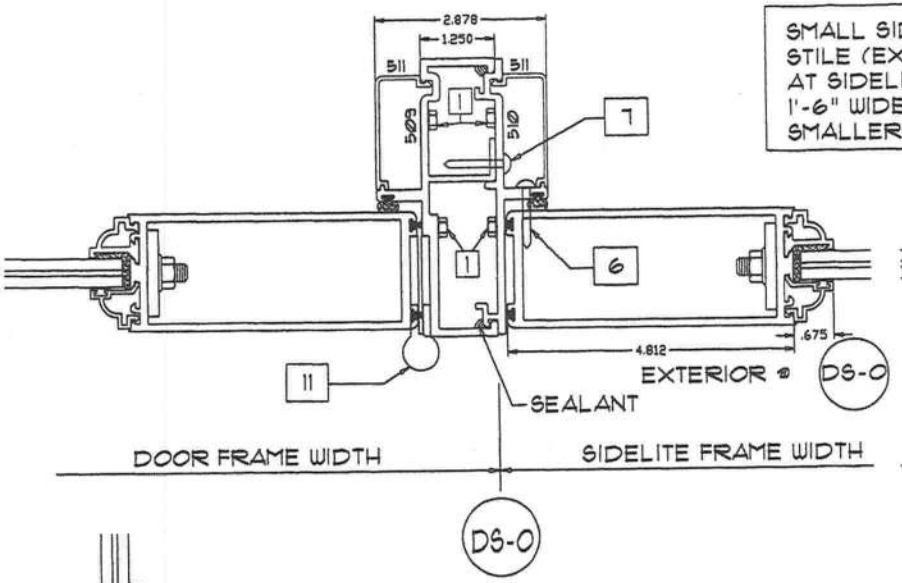
product : Series 450 Outswing Doors & Sidelites

ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

date : 10-20-97 | sheet 3 of 7

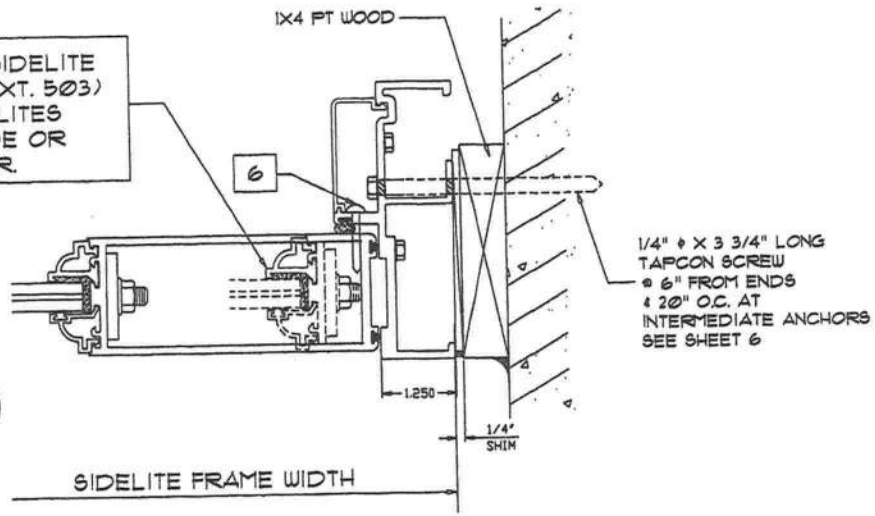
W98-01

MULLION

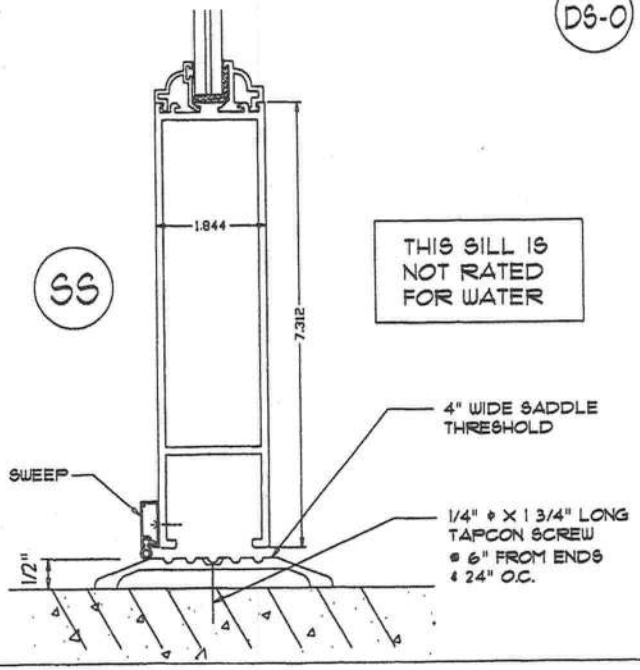


DS-O

SMALL SIDELITE STILE (EXT. 503) AT SIDELITES 1'-6" WIDE OR SMALLER.



SJ-O



THIS SILL IS NOT RATED FOR WATER

REFER TO SHEET 2 OF 7 FOR TYPICAL BILL OF MATERIALS

W98-01

GLASS TYPES REV.
ADDL. GLASS ADDED
NO CHANGE THIS SHEET
NO CHANGE THIS SHEET
REV. PER DCCO COMMENTS
B 11.14.02
C 08.05.03
D 12.14.05
E 10.11.06

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 0 8 2006

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date: NOV 09, 2011
By: Miami-Dade Product Control Division

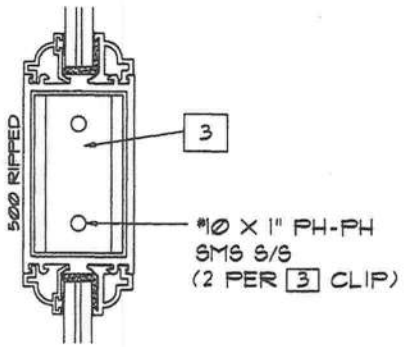
CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

product : Series 450 Outswing Doors & Sidelites

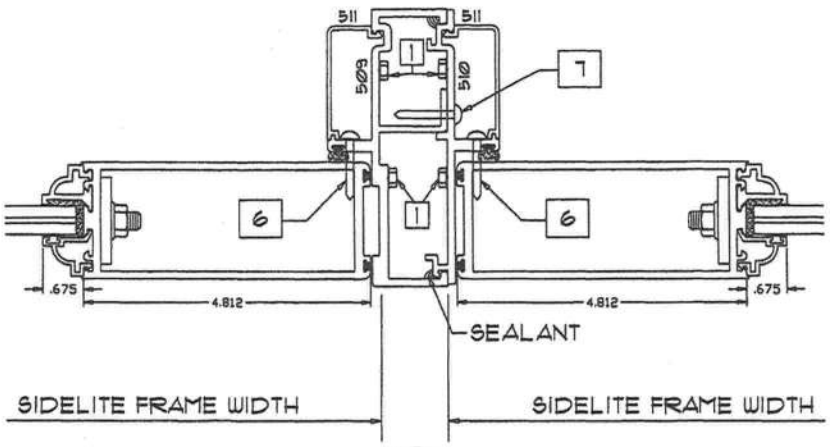
ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

date : 10-20-97 | sheet 4 of 7

MT



MULLION



SS-0

REFER TO SHEET 2 OF 7 FOR TYPICAL BILL OF MATERIALS

W98-01

C 05.05.03 NO CHANGE THIS SHEET
B 12.14.05 NO CHANGE THIS SHEET
A 10.16.06 REV. PER 9000 COMMENTS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 0 8 2006

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date NOV 09, 2011
By: Ishaq I. Chanda
National Evaluation Product Control Division

CGI CORPORATION
construction glass industries corporation
10100 northwest 25 street miami, florida 33172

product : Series 450 Outswing Doors & Sidelites

ENGINEER : Al Farooq Corporation
Dr. Humayoun Farooq
Structural -Fla. PE # 16557

date : 10-20-97 | sheet 5 of 7

PANEL PERFORMANCE CHART FOR DOORS, SINGLE SIDELITES AND MULLIONS LAMINATED GLASS

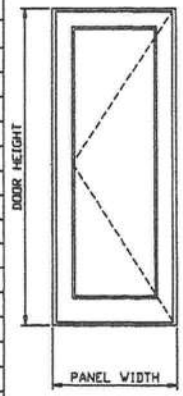
NOMINAL DIMS.		OUT-SWING DESIGN LOAD CAPACTY-PSF				MULLION LOAD CAPACITY PSF
		ANN. LAM. GLASS (TYPE 13A)		H.S. LAM. GLASS (TYPE 13B)		
PANEL WIDTH	PANEL HEIGHT	EXT.	INT.	EXT.	INT.	
2/0	6/8	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		87.1	87.1	100.0	110.0	110.0
2/0	7/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		82.6	82.6	100.0	110.0	110.0
2/0	7/6	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		76.8	76.8	100.0	102.9	110.0
2/0	8/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
2/0	9/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	96.6
3/0		100.0	100.0	100.0	100.0	80.5

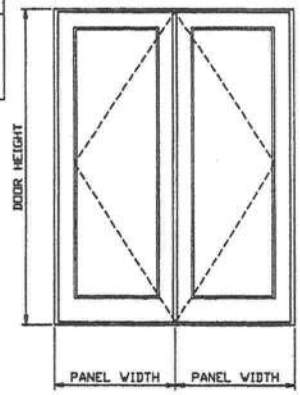
LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-S) WHERE WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE AND FOR THRESHOLD (S-O) IN ANY CONDITION.

PANEL PERFORMANCE CHART FOR DOORS, SINGLE SIDELITES AND MULLIONS INSULATED LAMINATED GLASS

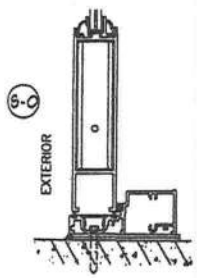
NOMINAL DIMS.		OUT-SWING DESIGN LOAD CAPACTY-PSF	
		INSUL. ANN. LAM. GLASS (TYPE 13C)	
PANEL WIDTH	PANEL HEIGHT	EXT.	INT.
2/0	6/8	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
3/6		80.0	80.0
2/0	7/0	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
2/0	7/6	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
2/0	8/0	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0

LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-S) WHERE WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE AND FOR THRESHOLD (S-O) IN ANY CONDITION.

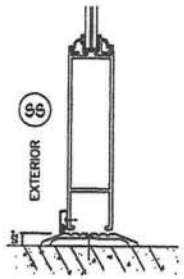




NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS)



OUTSWING



OUTSWING (SADDLE)

THESE CHARTS CAN BE USED TO CHECK CAPACITY FOR SINGLE OR DOUBLE LEAF DOORS.

REFER TO TABLES ON SHEET 7 TO DETERMINE ANCHORS REQUIRED.

STEPS TO USE CHARTS:

1. DETERMINE WIND LOAD BASED ON PROVISIONS OF 2004 FLORIDA BLDG. CODE.
2. DETERMINE WATER INFILTRATION REQUIREMENTS BASED ON PROVISIONS OF FBC.
3. SELECT A DOOR SYSTEM I.E. INSWING/OUTSWING AND TYPE OF THRESHOLD.
4. CHECK THE ALLOWABLE EXTERIOR AND INTERIOR LOADS FROM APPROPRIATE CHART. THE ALLOWABLE LOADS MUST MEET OR EXCEED THE DESIGN LOADS REQUIREMENTS.
5. SELECT AND CHECK ANCHORS TO MEET LOAD.
6. FOR MULLED SIDELITE REFER TO MULLION CAPACITY.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 08 2006

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. AL-0127.07 Expiration Date AUG.09.2011

By: Shaq I. Chawla
Administrative Program Consultant
Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
12135 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W98-01CG

SERIES 450 OUTSWING DOOR AND SIDELITE

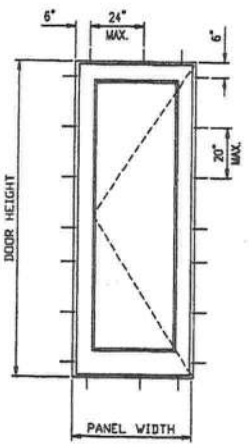
CONSTRUCTION GLASS INDUSTRIES
10100 N.W. 25 ST.
MIAMI, FL. 33172
(305) 593 - 6590

revisions: no	date	by	description
A	11.01.01		CHART REV. PER ASTM E-1300
B	11.14.02		GLASS TYPES REV.
C	08.05.03		NO CHANGE THIS SHEET
D	12.14.05		NOTE ADDED
E	10.16.06		REV. PER BOCO COMMENTS

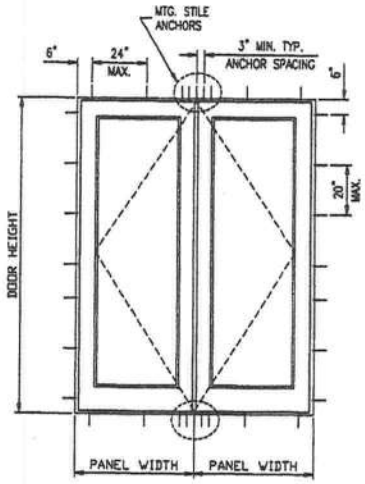
date: 01-02-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. W98-01

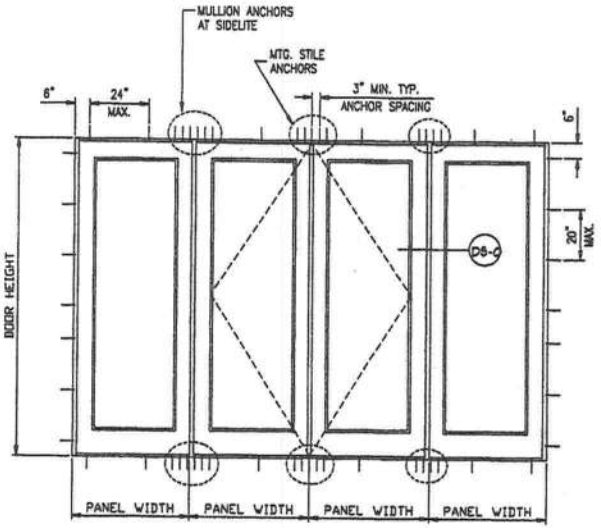
sheet 6 of 7



SINGLE DOOR OR SIDELITE



DOUBLE DOOR



FOR SIDELITE AVG. PANEL WIDTH = $\frac{\text{DOOR PANEL + FIXED PANEL}}{2}$

MULLION ANCHORS AT SIDELITES

NOMINAL DIMS		DESIGN LOAD CAPACTY-PSF				
		TYPE 'B'			TYPE 'C'	
PANEL WIDTH	PANEL HEIGHT	CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 6 ANCHORS	CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS
2/0	6/8	88.2	110.0	110.0	110.0	110.0
2/6		70.6	110.0	110.0	100.3	110.0
3/0		58.8	110.0	110.0	83.6	110.0
3/6		50.4	100.8	110.0	71.7	110.0
2/0	7/0	84.0	110.0	110.0	110.0	110.0
2/6		67.2	110.0	110.0	95.5	110.0
3/0		56.0	110.0	110.0	79.6	110.0
3/6		48.0	96.0	110.0	68.2	110.0
2/0	7/6	78.4	110.0	110.0	110.0	110.0
2/6		62.7	110.0	110.0	89.2	110.0
3/0		52.3	104.5	110.0	74.3	110.0
3/6		44.8	89.6	110.0	63.7	110.0
2/0	8/0	73.5	110.0	110.0	104.5	110.0
2/6		58.8	110.0	110.0	83.6	110.0
3/0		49.0	98.0	110.0	69.7	110.0
2/0	9/0	65.3	110.0	110.0	92.9	110.0
2/6		52.3	104.5	110.0	74.3	110.0
3/0		43.6	87.1	110.0	61.9	110.0

MTG. STILE ANCHORS AT DOUBLE DOORS

NOMINAL DIMS		DESIGN LOAD CAPACTY-PSF				
		TYPE 'B'			TYPE 'C'	
PANEL WIDTH	PANEL HEIGHT	CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 5 ANCHORS	CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS
2/0	6/8	88.2	110.0	110.0	110.0	110.0
2/6		70.6	110.0	110.0	100.3	110.0
3/0		58.8	110.0	110.0	83.6	110.0
3/6		50.4	100.8	110.0	71.7	110.0
2/0	7/0	84.0	110.0	110.0	110.0	110.0
2/6		67.2	110.0	110.0	95.5	110.0
3/0		56.0	110.0	110.0	79.6	110.0
3/6		48.0	96.0	110.0	68.2	110.0
2/0	7/6	78.4	110.0	110.0	110.0	110.0
2/6		62.7	110.0	110.0	89.2	110.0
3/0		52.3	104.5	110.0	74.3	110.0
3/6		44.8	89.6	110.0	63.7	110.0
2/0	8/0	73.5	110.0	110.0	104.5	110.0
2/6		58.8	110.0	110.0	83.6	110.0
3/0		49.0	98.0	110.0	69.7	110.0
2/0	9/0	65.3	110.0	110.0	92.9	110.0
2/6		52.3	104.5	110.0	74.3	110.0
3/0		43.6	87.1	106.9	61.9	110.0

ANCHORS:

TYPE 'B'– 1/4" TAPCONS

INTO WOOD STRUCTURES
1–3/4" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO CONC. OR MASONRY
1–1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C'– 1/4" TAPCONS

DIRECTLY INTO CONC. OR MASONRY
1–1/4" MIN. EMBED INTO CONC. OR MASONRY

EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2–5/8" MIN.
INTO WOOD STRUCTURE = 1" MIN.

STEPS TO USE CHARTS:

1. SELECT TYPE OF ANCHOR.
2. FOR SIZE OF UNITS DETERMINE ALLOWABLE LOAD CAPACITY. THIS LOAD CAPACITY MUST MEET OR EXCEED DESIGN WIND LOAD REQUIREMENT DETERMINE IN STEP 1 OF SHEET 6.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0127.02
Expiration Date: June 04, 2011
By: Ishaq I. Chanda
Miami-Dade Product Control Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA PE # 16557

NOV 08 2006

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
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COMP-ANL\W98-01CG

SERIES 450 OUTSWING DOOR AND SIDELITE
CONSTRUCTION GLASS INDUSTRIES
10100 N.W. 25 ST.
MIAMI, FL. 33172
(305) 593 - 6590

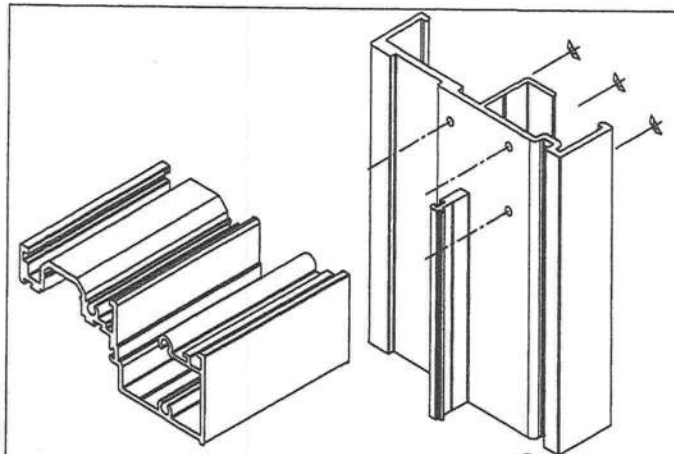
revisions:

no	date	by	description
A	11.01.01		OWNRS REV. PER 1997 NOS
C	08.05.03		NO CHANGE THIS SHEET
D	12.14.05		CHART REV.
E	10.15.06		REV. PER ECCO COMMENTS

date: 01-02-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

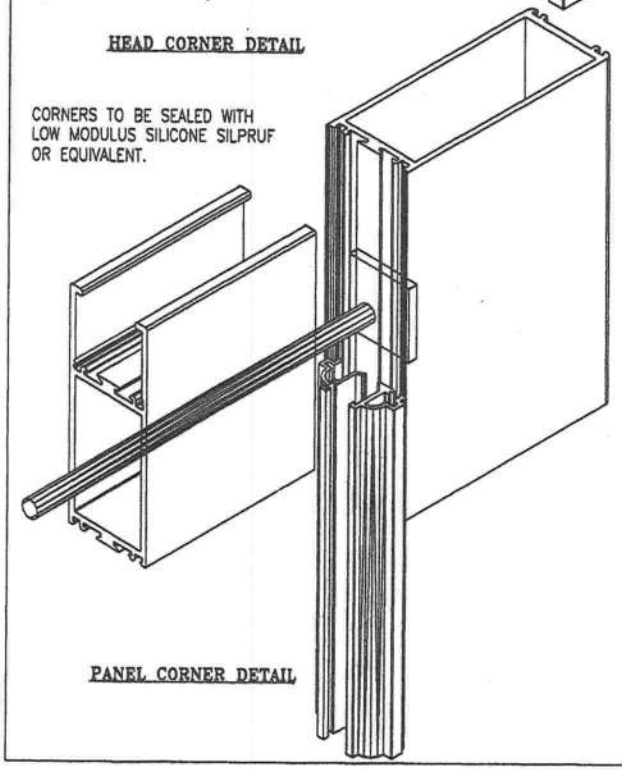
drawing no.
W98-01

sheet 7 of 7

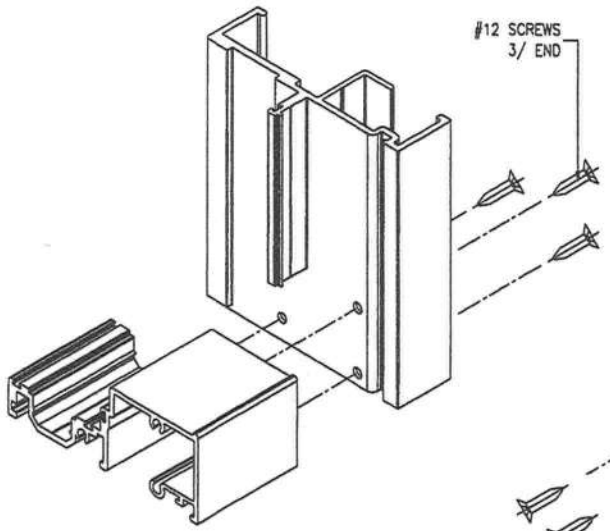


HEAD CORNER DETAIL

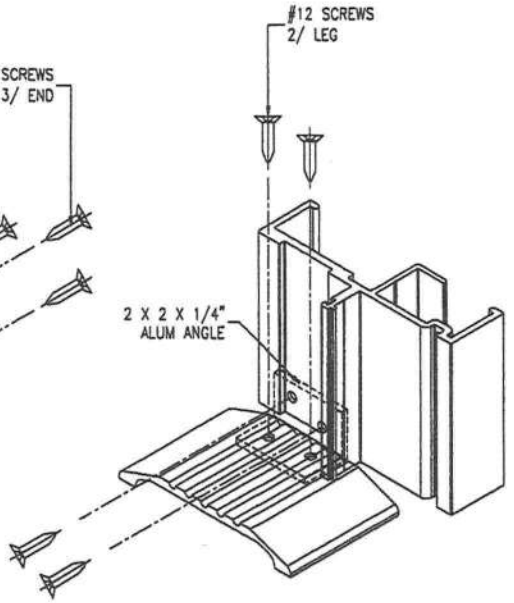
CORNERS TO BE SEALED WITH
LOW MODULUS SILICONE SILPRUF
OR EQUIVALENT.



PANEL CORNER DETAIL



SILL CORNER DETAIL



SILL CORNER DETAIL

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Application No. 0601127.02
Expiration Date 12/05/2011
By Ishwar Chanda
Miami-Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

NOV 0 8 2006

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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TEL. (305) 264-8100 FAX. (305) 262-6978
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SERIES 450 OUTSWING DOOR AND SIDELITE
CONSTRUCTION GLASS INDUSTRIES
10100 N.W. 25 ST.
MIAMI, FL. 33172
(305) 593 - 6590

revisions:			
no	date	by	description
A	11.01.01		CHANGES REV. PER 1997 NDS
C	08.05.03		NO CHANGE THIS SHEET
D	12.14.05		CHART REV.
E	10.16.06		REV. PER DCCD COMMENTS

date: 01-02-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W98-01
sheet 7.1of 7

Cal-Tech Testing, Inc.
FOUNDATIONS • ASPHALT • SOILS • CONCRETE
ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

JOB NO.: 08-128
DATE TESTED: 2/26/08

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: Hornsby Res. # 26645

CLIENT: Maguire Const.

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: C. Dewy

MODIFIED (ASTM D-1557): * * STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: ___DEPTH ___ELEV. ___LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
	* Strap *						
1	North Corner 12'S x 12'E	12"	*	110.3	104.5	5.5	101
2	South Corner 15'W x 8'N	12"	*	112.0	106.0	5.6	103
	* House *						
3	S.E. Corner 15'W x 10'N.	12"	*	113.2	107.0	5.8	104
4	Approx. Center of French Doors on South Side 6'N.	12"	*	107.3	103.4	3.8	100
5	Center of Front Door 20' South	12"	*	105.2	100.6	4.6	98
6	N.W. Corner 10'E. x 8'S.	12"	*	106.5	100.6	5.9	98

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
*	Richardson's Pit, Ft. White Lt. Brown Sand	103.1	10.8

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

ASPEN
PEST CONTROL, INC.

Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Certificate of Compliance for Termite Protection

(as required by Florida Building Code (FBC) 1816.1.7)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

1725 SW Woodland Ave. - Ft. White, FL 32038
Address of Treatment or Lot/Block of Treatment

Soil Barrier
(Method of Termite Prevention Treatment Soil Barrier, Wood Treatment, Bait System, Other

Horizontal, Vertical, Void and Exterior Treatment
Description of Treatment

The above named structure has received a complete treatment for the prevention of subterranean termites. Treatment was done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services.

Authorized Signature

5/21/09
Date

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 31-7S-17-10070-135 **Building permit No.** 000026645

Use Classification SFD/UTILITY **Fire:** 61.10

Permit Holder DEBORAH MAGURA **Waste:** 83.75

Owner of Building E. WADE & MARY HORNSBY **Total:** 144.85

Location: 1725 SW WOODLAND AVE., FT. WHITE, FL

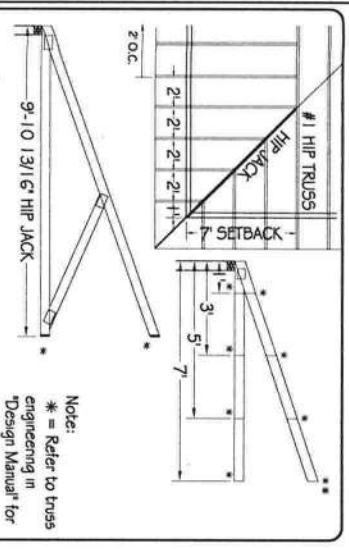
Date: 05/19/2009

Harry Dicks

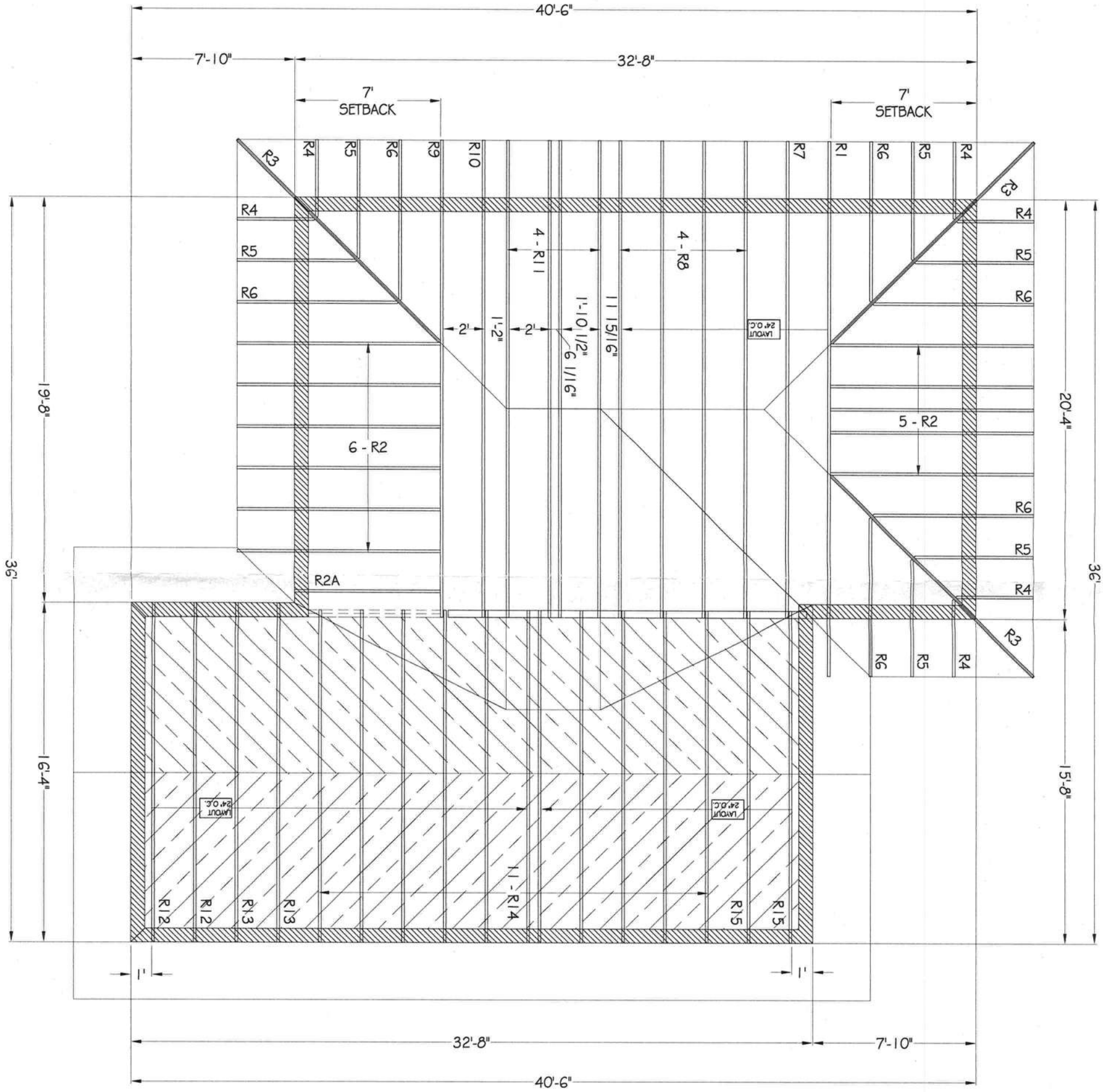
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

TYPICAL HIP CORNER DETAIL



Note:
* = Refer to truss engineering in "Design Manual" for connection.



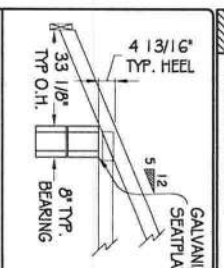
"DISCLAIMER"

PLUMBING / HVAC OPENINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER TO VERIFY ALL LOCATIONS BEFORE BUILDING TRUSSES AND SETTING TRUSSES.

"ATTENTION"

1. LIMITED RESPONSIBILITY OF ROOF TRUSS MANUFACTURER. SEE WTCA 1-1995, SECTION 6.0, FOUND IN DESIGN MANUAL.
2. WARNING! FAILURE TO FOLLOW RECOMMENDATIONS IN "BCSI-B1" MAY RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.
3. CUSTOMER TO VERIFY ALL DIMENSIONS, BEARING HEIGHTS, PITCHES AND ALL INFORMATION REGARDING THE DESIGN AND FABRICATION OF TRUSS SYSTEM.
4. DO NOT OVERLOAD TRUSSES w/ SHEETROCK / SHEATHING OR OTHER BUILDING MATERIALS.
5. TRUSSES ARE NOT MARKED IN ANY WAY TO IDENTIFY THE FREQUENCY, OR LOCATION OF TEMPORARY ERECTION BRACING. ALL TEMPORARY BRACING SHALL COMPLY WITH THE LATEST EDITION OF BCSI-B1 PUBLISHED BY THE TRUSS PLATE INSTITUTE FOUND IN THE DESIGN MANUAL.
6. NON-LOAD BEARING WALLS TO BE SINGLE TOP PLATED, TO PREVENT LOAD TRANSFER TO THESE WALLS. A 1x4 MAY BE USED AS SECOND TOP PLATE.

TYPICAL EAVE DETAIL



LEDGEND

- BEAM BY OTHERS
- SUPPLIED BEAM
- VALLEY/FIELD FRAME
- PLUMBING DROP
- SLOPED CEILING
- RAISED CEILING
- TYPICAL BEARING HT.

SALESMAN:	SCOTT
DESIGN: BRUCE	CAD: JDT
JOB #: 070791	DATE: 11-15-07
FILE: R:\Robbins\Jobs\07A(0791)\070791 DGS\R070791.dwg	

PAGE: 1 of

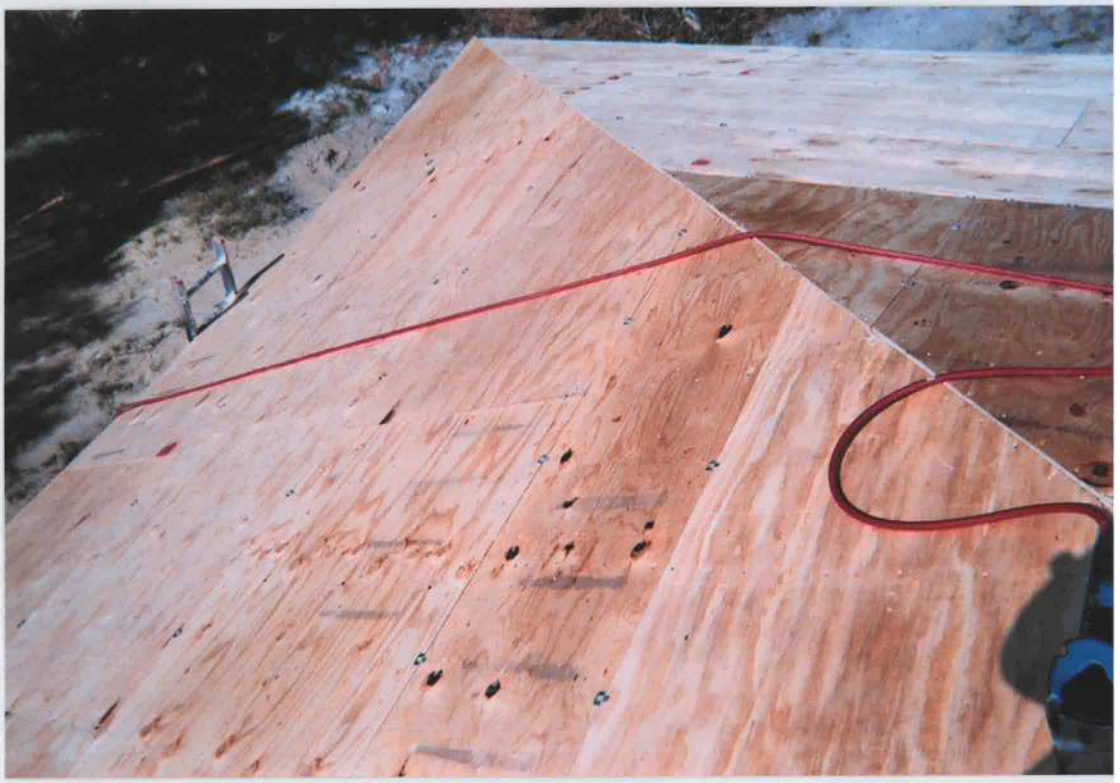
Ridgway Roof Truss Company
Mailing: P.O. Box 1309 Gainesville, Florida 32602
Physical: 235 sw 11th Place Gainesville, Florida 32601
Telephone (352) 376-4426 FAX (352) 371-3316

MAGURA CONSTRUCTION
HORNSBY SHOP - ROOF

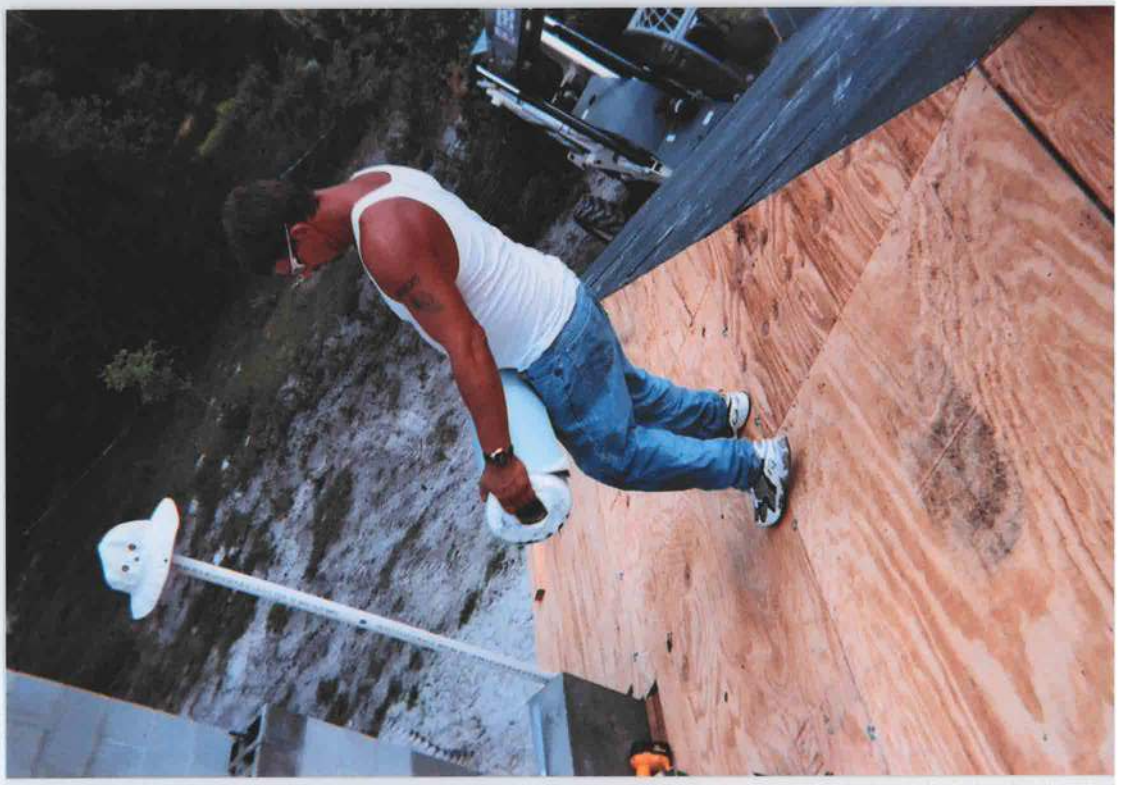
SCALE: 3/16"=1'

ROOF TRUSS LAYOUT

R:\Robbins\Jobs\07A(0791)\070791 DGS\R070791.dwg, 12/26/07 2:26:17 PM, Ledger (11 x 17 in), 0.1875:12, ralph




TEREX

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