DATE 05/23/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025837

APPLICANT TROY UNDERHILL PHONE 386 496-1906

ADDRESS 14400 NW 111TH TERR LAKE BUTLER FL 32054

OWNER DAVE & PHYLIS SHULL PHONE 752-2199

ADDRESS 252 SW FERNDALE PLACE LAKE CITY FL 32025

CONTRACTOR TROY UNDERHILL PHONE 352 258-3901

LOCATION OF PROPERTY 47S,TL AZALEA PLACE, TR ON LARK TERR, TL ON FERDALE, 2ND TO LAST ON RIGHT

TYPE DEVELOPMENT ADDITION FOR SFD ESTIMATED COST OF CONSTRUCTION 14750.00

HEATED FLOOR AREA 295.00 TOTAL AREA 295.00 HEIGHT ___ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING RSF-1 MAX. HEIGHT 13

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. ___

PARCEL ID 19-4S-17-08540-152 SUBDIVISION AZALIA PARK

LOT 2 BLOCK D PHASE ___ UNIT ___ TOTAL ACRES ___

		CRC058554		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	07-361-R	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE

ONE FOOT ABOVE THE ROAD

Check # or Cash 1033

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 $ 75.00 CERTIFICATION FEE $ 1.48 SURCHARGE FEE $ 1.48

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** 152.96

INSPECTORS OFFICE ___ CLERKS OFFICE ___

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

CK# 1033 deductible left message 4-6-07 G

Columbia County Building Permit Application

For Office Use Only Application # 0703-89 Date Received 3/29/07 By CT Permit # 25837

Application Approved by - Zoning Official BLK Date 05.04.07 Plans Examiner OKJH Date 4-2-07

Flood Zone X Development Permit N/A Zoning RSF-1 Land Use Plan Map Category Res, U.L, Oen,

Comments Septic 2.3.1 Legal Non-conforming Lot of Record existing well

☑ NOC ☐ EH ☐ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Troy UNDERHILL Phone 352-258-3901 Fax 386-496-1906

Address 14400 NW 111th Terr Lake Butler FL 32054

Owners Name Dave and Phylis Shull Phone 386-752-2199

911 Address 252 SW Ferndale PL Lake City FL 32025

Contractors Name Troy UNDERHILL TL² Builders Inc Phone 352-258-3901

Address 14400 NW 111th Terr Lake Butler FL 32054

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address N/A

Mortgage Lenders Name & Address N/A

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

Property ID Number 19-4S-17-08540-152-Hx Estimated Cost of Construction 49,000

Subdivision Name Azalia Park Lot 2 Block D Unit ____ Phase ____

Driving Directions Hwy 47 S to Azalia Park Dr. TL Go to Larkspur TR 1st Left onto Ferndale 2nd from End on Right

Type of Construction Block Addition for SFD Number of Existing Dwellings on Property 1

Total Acreage .3 Lot Size 125 x 115 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 25' Side 28' Side 28' Rear 74'

Total Building Height 13' Number of Stories 1 Heated Floor Area 295 (TOTAL 295) Roof Pitch 4/12

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.

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CCC058554

Competency Card Number

NOTARY STAMP/SEAL

GALE TEDDER
MY COMMISSION # DD 333586
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 29th day of MARCH 20 07.

Personally known ____ or Produced Identification DL

Notary Signature

(Revised Sept. 2006)

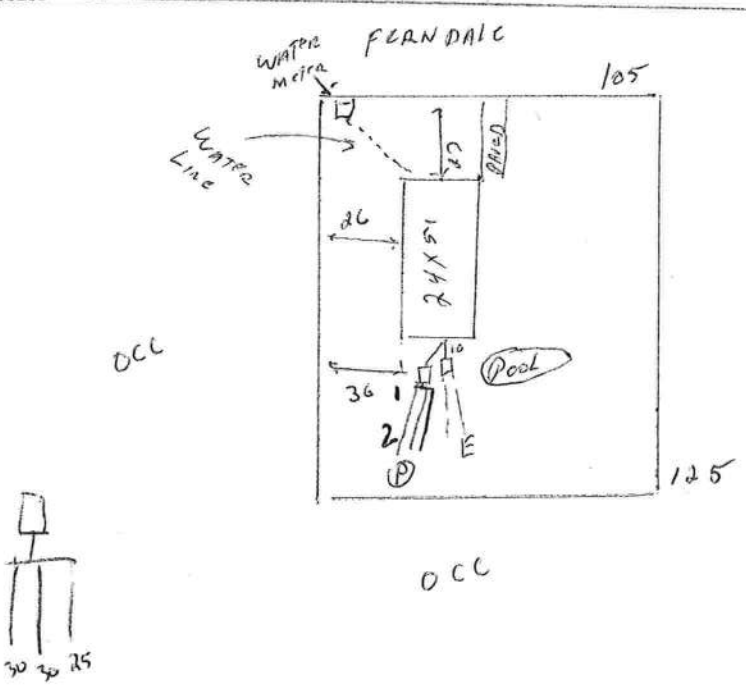
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0361R

PART II - SITEPLAN

60

Scale: 1 inch = 50 feet.



NORTH

4

Plan submitted by: RC Turf

Approved X Not Approved

Sadie Grade / ESII

MASTER CONTRACTOR

Date 5-4-07

Columbia CHD

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DOH Replaces HRS-H Form 4015 which may be used

Rule 64E-6.005(5)

Page 2 of 4

07-0361K

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

PERMIT NO. 12-5G-189075
DATE PAID: 115.00
FEE PAID: 5-2-07
RECEIPT #: 12-PID-131645
AP 182976

APPLICATION FOR:
[ ] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[X] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: SHULL DAVE & PHYLLIS

AGENT: RONNIE FORD, Ford's Septic TELEPHONE: 386-755-6288

MAILING ADDRESS: 116th NW Lawtey Way, Lake City, FL, 32055

==========

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

==========

PROPERTY INFORMATION

LOT: ~~N/A~~ 2 BLOCK: ~~N/A~~ D SUB: ~~METES & BOUNDS~~ Azalea Park PLATTED: ~~N/A~~ 3-30-74

PROPERTY ID #: 19-4S-17-08540-152 ZONING: Res. I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 0.301 ACRES WATER SUPPLY: [N/A] PRIVATE PUBLIC [X]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: 252 SW FERNDALE PL LAKE CITY , FL 32025

DIRECTIONS TO PROPERTY: Hwy 47 LEFT AZELA PARK STOP SIGN RIGHT, LEFT FERNDALE PROPERTY ON RIGHT

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	3	1494	
2				
3				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: R C Ford DATE: 4/30/2007

DH 4015, 10/97 (Previous Editions May Be Used)

ENTERED 5-2-07 BR

RECEIVED 5-2-07

Inst:2007006529 Date:03/21/2007 Time:11:57
D.C. DC,P.DeWitt Cason,Columbia County B:1114 P:731

Notice of Commencement

To Whom it May Concerm:

The undersigned herby informs you that improvements will be made to certain real property, and in accordance with section 713.12 of the Florida Statutes, the following information is stated in this Notice of Commencement.

Description of property: Single Family Home in Azalea Park, Township 4 South - Range 17 East, Parcel: 19-4S-17-08540-152 HX

General description of improvements: Addition

Owner: Dave L. Shull and Phyllis T. Shull, wife
Address: 252 SW Ferndale Pl., Lake City, FL 32025

Fee Simple Title holder (if other than owner): _____
Address: _____

~~Contractor~~ Surety (if any): TL² Builders Inc Troy Underhill
Address: 14400 NW 111th Terr
Lake Butler FL 32054

In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.06 {2} {b}. Florida Statutes. (Fill in at Owwner's option)
Name: _____
Address: _____

Signed before me this 7 day of March, 2007

State of Florida
County of Unia
Troy Underhill personally appeared before me this 21st day of March 2007

Contractor

Phyllis T. Shull 3/7/07
Owner

Minnie J. Sharp
Notary

REBECCA MINSHEW
MY COMMISSION # DD362699
EXPIRES: October 14, 2008
FL Notary Discount Assoc. Co.
1-800-3-NOTARY

Minnie J. Sharp
Commission #DD335039
Expires: Jul 28, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Phyllis T. Shull appeared before me this 7th day of March 2007. She is personally known to me.

NOT APPROVED

STATE OF FLORIDA
DEPARTMENT OF HEALTH

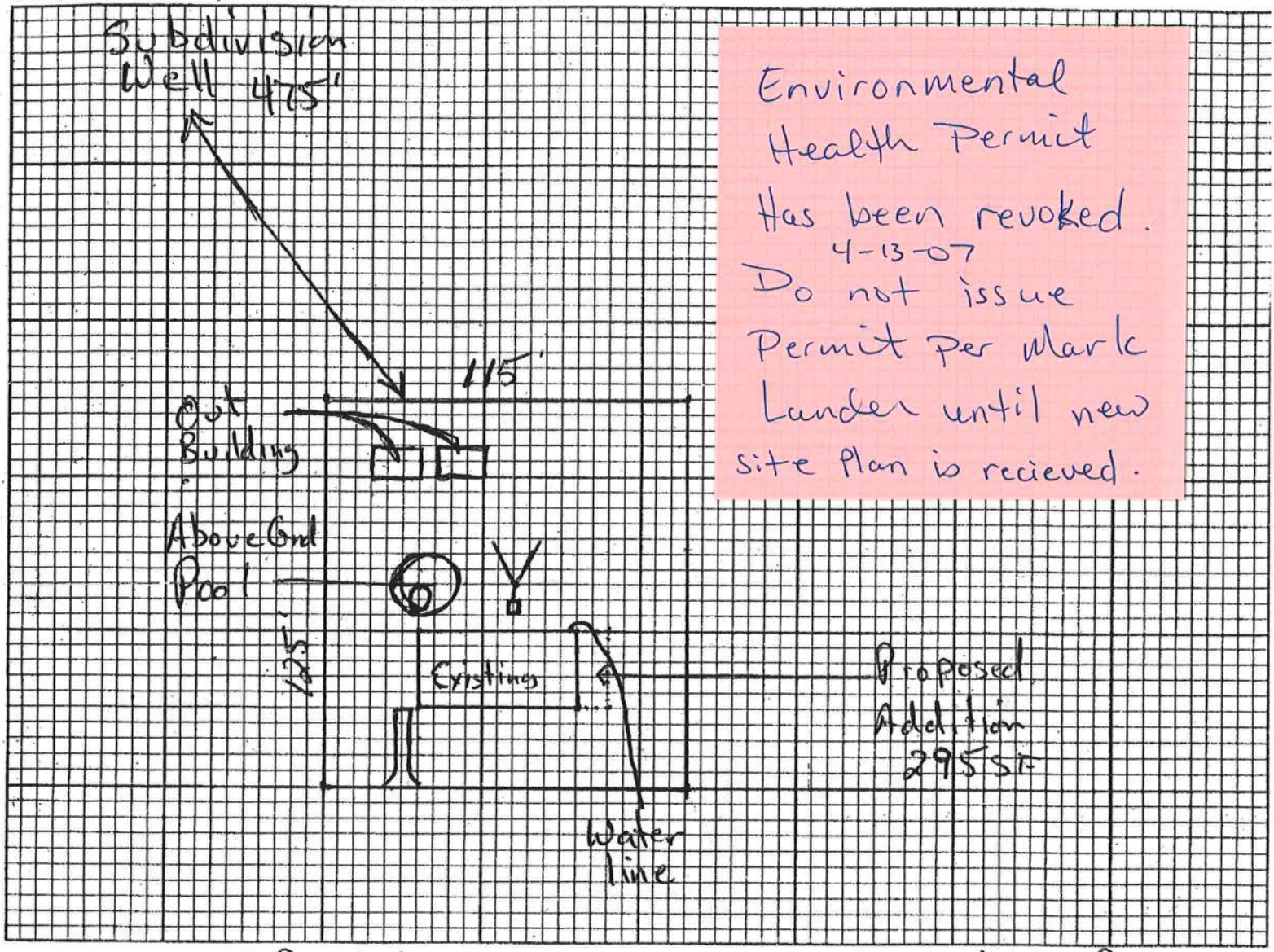
12-56-113632

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-267E

PART II - SITE PLAN

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



Environmental Health Permit Has been revoked. 4-13-07 Do not issue Permit per Mark Lander until new site Plan is recieved.

Notes: Original Permit # 75-237 Lot 2 Block D Azalia Park

Site Plan submitted by: _____ (Signature) _____ (Title)

Plan Approved ✓ Not Approved _____ Date 3-29-07

By Mark S Lander Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

UNDERHILL, WILLIAM TROY
INDIVIDUAL
14400 NW 111TH TERR
LAKE BUTLER FL 32054

AC# 272557

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CRC058554 08/16/06 068029421

CERTIFIED RESIDENTIAL CONTRACTOR
UNDERHILL, WILLIAM TROY
INDIVIDUAL

IS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2008 L06081601987

DETACH HERE

AC# 2725575

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ# L06081601987

DATE	BATCH NUMBER	LICENSE NBR
08/16/2006	068029421	CRC058554

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

UNDERHILL, WILLIAM TROY
INDIVIDUAL
RTE 3 BOX 40
LAKE BUTLER FL 32054

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

```
@ CAM112M01     S  CamaUSA Appraisal System                    Columbia County
 3/29/2007 16:11  Legal Description Maintenance      20000  Land  001
Year T Property                              Sel              AG    000
2007 R 19-4S-17-08540-152 . . . . . . . . . . . . . .        57914  Bldg  001
       252 FERNDALE PL SW                                     3900  Xfea  006
HX     SHULL DAVE L & PHYLLIS T                              81814  TOTAL     B*

  1  COMM SE COR OF SW1/4 OF NE1/4,  RUN N 588.38 FT, W 280 FT FOR    2
  3  POB, CONT W 105 FT, S 125 FT,   E 105 FT, N 125 FT TO POB.       4
  5  (AKA LOT 2 BLOCK D AZALEA       PARK S/D UNREC)                  6
  7  ORB 401-676, 773-1678                                            8
  9                                                                  10
 11                                                                  12
 13                                                                  14
 15                                                                  16
 17                                                                  18
 19                                                                  20
 21                                                                  22
 23                                                                  24
 25                                                                  26
 27                                                                  28
                                                  Mnt 3/07/1997 TERR
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Dave Shull**	Builder:	Troy Underhill
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25837
Owner:	**Dave Shull**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1346.8 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	105.0 ft²	0.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 155.6(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=5.0, 1244.8 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1481.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 51.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 30.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 30.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.08

Total as-built points: 19403

Total base points: 22968

PASS

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

PREPARED BY: Allen Sellers

DATE: 10/25/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1346.8	20.04	4858.2	Single, Clear	NE	1.5	6.0	30.0	33.55	0.92	926.7	
				Single, Clear	SE	1.5	6.0	30.0	48.65	0.88	1289.1	
				Single, Clear	W	1.5	6.0	30.0	43.84	0.91	1201.2	
				Single, Clear	NW	1.5	6.0	15.0	29.42	0.93	408.4	
				As-Built Total:				**105.0**			**3825.4**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			5.0	1244.8	1.00		1244.8	
Exterior	1244.8	1.70	2116.2									
Base Total:	**1244.8**		**2116.2**	**As-Built Total:**				**1244.8**			**1244.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				40.8	6.10		248.9	
Exterior	40.8	6.10	248.9									
Base Total:	**40.8**		**248.9**	**As-Built Total:**				**40.8**			**248.9**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1346.8	1.73	2330.0	Under Attic			30.0	1481.5	1.73 X 1.00		2563.0	
Base Total:	**1346.8**		**2330.0**	**As-Built Total:**				**1481.5**			**2563.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	155.6(p)	-37.0	-5757.2	Slab-On-Grade Edge Insulation			0.0	155.6(p	-41.20		-6410.7	
Raised	0.0	0.00	0.0									
Base Total:			**-5757.2**	**As-Built Total:**				**155.6**			**-6410.7**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1346.8	10.21	13750.8					1346.8	10.21		13750.8	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**17546.8**	**Summer As-Built Points:**						**15222.1**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
17546.8	**0.4266**	**7485.5**	15222.1 **15222.1**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**	3898.3 **3898.3**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1346.8	12.74	3088.5	Single, Clear	NE	1.5	6.0	30.0	32.04	1.01	967.3	
				Single, Clear	SE	1.5	6.0	30.0	21.82	1.10	717.8	
				Single, Clear	W	1.5	6.0	30.0	28.84	1.02	885.5	
				Single, Clear	NW	1.5	6.0	15.0	32.93	1.00	495.5	
				As-Built Total:				**105.0**			**3066.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			5.0	1244.8	5.70		7095.4	
Exterior	1244.8	3.70	4605.8									
Base Total:	**1244.8**		**4605.8**	**As-Built Total:**				**1244.8**			**7095.4**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				40.8	12.30		501.8	
Exterior	40.8	12.30	501.8									
Base Total:	**40.8**		**501.8**	**As-Built Total:**				**40.8**			**501.8**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM	=	Points	
Under Attic	1346.8	2.05	2760.9	Under Attic			30.0	1481.5	2.05 X 1.00		3037.0	
Base Total:	**1346.8**		**2760.9**	**As-Built Total:**				**1481.5**			**3037.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Slab	155.6(p)	8.9	1384.8	Slab-On-Grade Edge Insulation			0.0	155.6(p	18.80		2925.3	
Raised	0.0	0.00	0.0									
Base Total:			**1384.8**	**As-Built Total:**				**155.6**			**2925.3**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points	
	1346.8	-0.59	-794.6					1346.8	-0.59		-794.6	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**11547.3**	**Winter As-Built Points:**						**15830.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
11547.3	**0.6274**	**7244.7**	15830.9 **15830.9**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.426 **0.426**	0.950 **0.950**	7450.2 **7450.2**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7485	**7245**	**8238**	**22968**	**3898**	**7450**	**8055**	**19403**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.4

The higher the score, the more efficient the home.

Dave Shull, , , ,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1346.8 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	105.0 ft²	0.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 155.6(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Concrete, Int Insul, Exterior		R=5.0, 1244.8 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1481.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 51.8 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 30.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 30.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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 850/488-1824.*

Residential System Sizing Calculation

Summary

Dave Shull

Project Title:
Dave Shull

Code Only
Professional Version
Climate: North

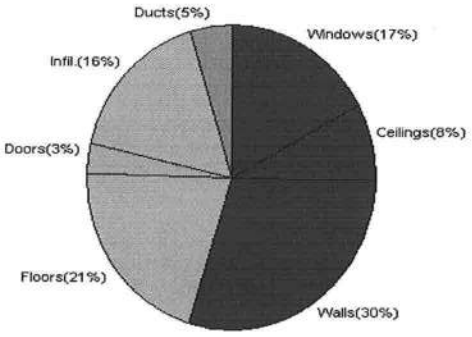
10/25/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**23581**	**Btuh**	**Total cooling load calculation**	**23915**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	127.2	30000	Sensible (SHR = 0.5)	75.7	15000
Heat Pump + Auxiliary(0.0kW)	127.2	30000	Latent	365.0	15000
			Total (Electric Heat Pump)	125.4	30000

WINTER CALCULATIONS

Winter Heating Load (for 1347 sqft)

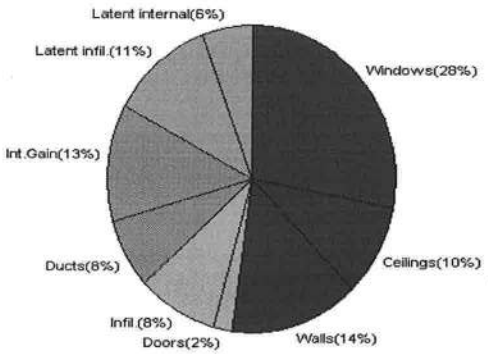
Load component			Load	
Window total	105	sqft	4053	Btuh
Wall total	1245	sqft	6971	Btuh
Door total	41	sqft	732	Btuh
Ceiling total	1481	sqft	1926	Btuh
Floor total	156	ft	4917	Btuh
Infiltration	90	cfm	3860	Btuh
Subtotal			**22458**	**Btuh**
Duct loss			1123	Btuh
TOTAL HEAT LOSS			**23581**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1347 sqft)

Load component			Load	
Window total	105	sqft	6741	Btuh
Wall total	1245	sqft	3461	Btuh
Door total	41	sqft	501	Btuh
Ceiling total	1481	sqft	2311	Btuh
Floor total			0	Btuh
Infiltration	79	cfm	1992	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**18005**	**Btuh**
Duct gain			1800	Btuh
Total sensible gain			**19805**	**Btuh**
Latent gain(infiltration)			2730	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**4110**	**Btuh**
TOTAL HEAT GAIN			**23915**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Jason Sellers
DATE: 10/25/06

System Sizing Calculations - Winter

Residential Load - Component Details

Dave Shull

Project Title:
Dave Shull

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

10/25/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, DEF	N	30.0	38.6	1158 Btuh
2	1, Clear, Wood, DEF	E	30.0	38.6	1158 Btuh
3	1, Clear, Wood, DEF	SW	30.0	38.6	1158 Btuh
4	1, Clear, Wood, DEF	W	15.0	38.6	579 Btuh
	Window Total		105		4053 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete - Exterior	5.0	1245	5.6	6971 Btuh
	Wall Total		1245		6971 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		41	17.9	732 Btuh
	Door Total		41		732Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1481	1.3	1926 Btuh
	Ceiling Total		1481		1926Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	155.6 ft(p)	31.6	4917 Btuh
	Floor Total		156		4917 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13468(sqft)	90	3860 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			90	3860 Btuh

Totals for Heating	**Subtotal**	**22458 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1123 Btuh**
	Total Btuh Loss	**23581 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Dave Shull

Project Title:
Dave Shull

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 10/25/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	1, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	33	33	990	Btuh
2	1, Clear, DEF, N, N	E	1.5	6	30.0	4.0	26.0	33	91	2501	Btuh
3	1, Clear, DEF, N, N	SW	1.5	6	30.0	11.0	19.0	33	80	1885	Btuh
4	1, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	33	91	1365	Btuh
	Window Total				105					6741	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Concrete - Exterior	5.0	1244.8	2.8	3461	Btuh
	Wall Total		1244.8		3461	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	40.8	12.3	501	Btuh
	Door Total	40.8		501	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1481.5	1.6	2311	Btuh
	Ceiling Total		1481.5		2311	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	155.6 ft(p)	0.0	0	Btuh
	Floor Total		155.6		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	13468	78.7	1992	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			79	1992	Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	6	X 300	+	1200	3000	Btuh

Totals for Cooling			
	Subtotal	**18005**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1800**	**Btuh**
	Total sensible gain	**19805**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2730**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**23915**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

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

☐ ☐ 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

☐ ☐ 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, than 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

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

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

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

_____

_____

_____ APPLICANT SIGNATURE

_____ DATE

Columbia County 9-1-1 Addressing / GIS Department
P.O. Box 1787, Lake City, FL 32056
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

9-1-1 Address Request Form

NOTE: ADDRESS ASSIGNMENT MAY REQUIRE UP TO 10 WORKING DAYS. IF THE ADDRESSING DEPARTMENT NEEDS TO CONDUCT ON SITE GPS LOCATION IDENTIFICATION, ADDITIONAL TIME MAY BE REQUIRED.

Date of Request: _____

Requester Last Name: _____

First Name: _____

Contact Telephone Number: _____

(Cell Phone Number if Provided): _____

Requested for Self: _____ or Requested for Company: _____
(check one)
If Address is Requested by a Company, Provide Name of Requesting Company:

_____

Parcel Identification Number: ____ - ____ - ____ - _____

If in Subdivision, Provide Name Of Subdivision:

_____

Phase or Unit Number (if any): _____ Block Number (if any): _____

Lot Number: _____

Attach Site Plan or you may use back of Request Form for Site Plan:

Requirements for Site Plan Are Listed on Back of Request From:
(NOTE: Site Plan Does NOT have to be a survey or to scale; FURTHER a Environmental Health Dept. Site Plan showing only a 210 by 210 cutout of a property will NOT suffice for Addressing Requirements.)

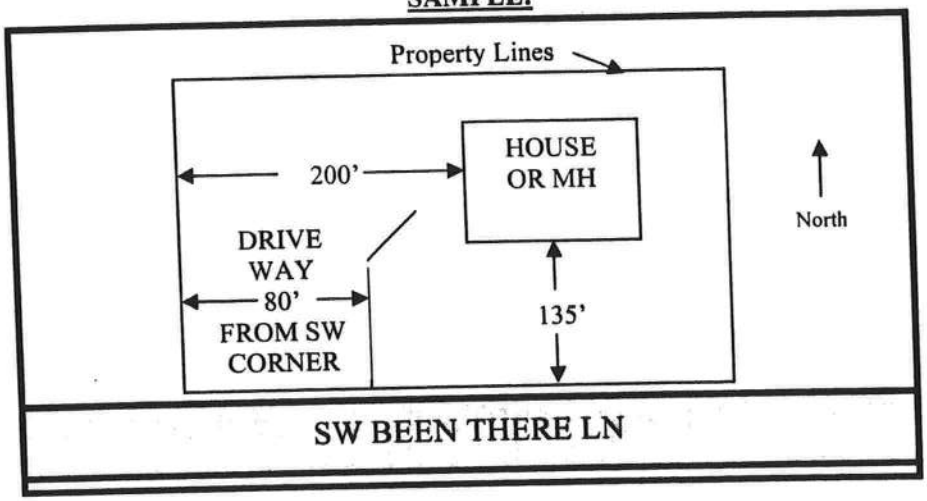
Addressing / GIS Department Use Only:

Date Received: _____ Date Assigned: _____

ID Number: _____

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



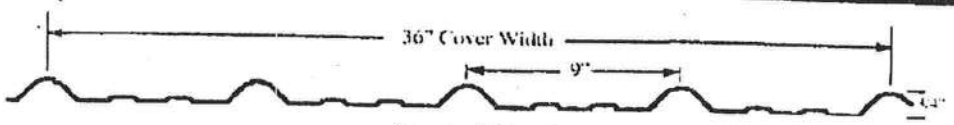
SITE PLAN BOX:

Application Guide

Everlast Roofing, Inc.
239 North 5th Avenue
Lebanon, PA 17046
717-270-6554 Fax 717-270-6569

Everlast II

5/8"



Everlast Panel

Slope or Pitch

Everlast roofing recommends you have a 3/12 pitch or greater. If you decide to apply panels on a lower pitch, seal all side laps and all end laps with butyl sealant. All end laps should occur over purlins.

Roofing Installation

Roofing panels should be installed with ribs perpendicular to eaves and ridge. Panels should span three or more purlins and end laps should be a minimum of 12 inches and caulked. Fasten each panel completely. Be careful not to push the panels down too hard making them flex and go out of square. Fasten all laps through top panel. Roofing overhang over sheathing should be no less then one inch and no more then two inches. Gable ends should be flush with exterior trim so gable or rake trim may be applied over it. Be sure your panels are aligned properly and square with eaves and ridge and parallel at each lap.

Note: Always begin roofing at end away from prevailing winds. Closure strips top and bottom also ensure true weather seal.

Cutting Panels

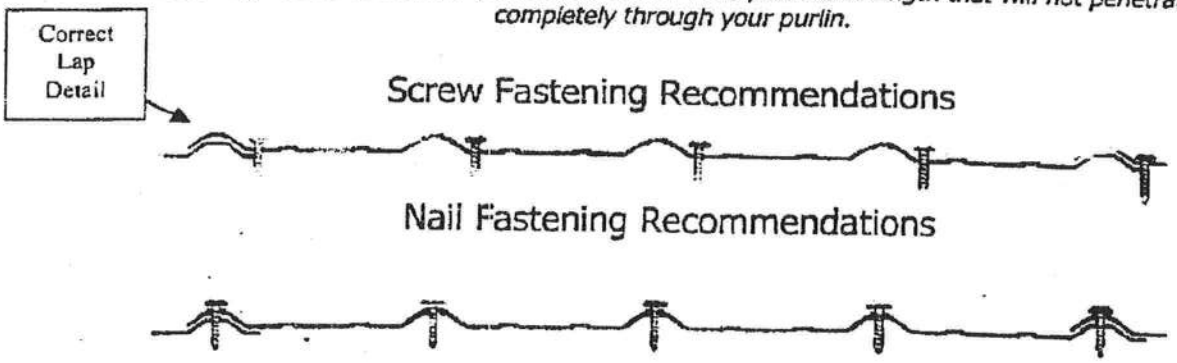
When cutting steel panels always flip panel over to cut from backside. This will prevent hot metal filings from embedding into painted finish. Keep other panels away from cutting area. For large jobs in which across the profile cutting is necessary a portable shear is very helpful. To cut the panels use an electric circular saw with a metal cutting blade or an abrasive self-consuming blade. Metal snips are good for trim cuts but difficult for cutting panels.

Fastening and Nailing

When fastening into wood purlins or solid wood deck a 1-inch woodgrip screw is recommended. Screws are to be placed beside each major rib and at least every 24 inches down each panel. Screws are to be installed into the flat not on the top of the rib.
In high wind zones Everlast recommends that stitching screws be applied onto lap joints every 12 inches. Butyl sealant may also be used to help seal the lap with the stitch screws. Screws should be driven in to be snug so neoprene washer can give a positive seal.

Nails that are recommended are ringshank with flat neoprene washers. A 13/4 inch nail should be sufficient for regular 1 inch thick wood purlin. Nails are to be driven through the top of the major rib. Drive nails until the neoprene washer is slightly bulged. Predrill holes where sheets overlap to make your nailing easier. This will keep your panels from moving out of alignment.

Note: Regardless of whether you use screws or nails pick out a length that will not penetrate completely through your purlin.



Sidewall Application

Everlast panels may be installed on a sidewall horizontally or vertically. Always begin from the corner sill away from the prevailing wind. Any laps should be a minimum of 6 inches. All laps should be placed over a purlin or support. Always fasten lap area before finishing the rest of the panel. On horizontal applications finish each run before starting your next course.

Safety Tips

Metal panels are very sharp. Wear heavy leather gloves when handling metal panels. Wear safety glasses to prevent eye injury. Panels are very slick, especially when they are damp or wet. Do not work on panels that are wet or when conditions are unsafe. Always use proper safety harnesses and equipment.

Application Precautions

Avoid installing panels directly over green or damp lumber, porous insulation, or other damaging materials. The use of a moisture barrier is recommended. Chemicals, fertilizer, manure, and some soils and lime may cause damage. When installing keep panels a minimum of 12 inches off of ground. Insulated buildings should be adequately ventilated.

Storage and Handling

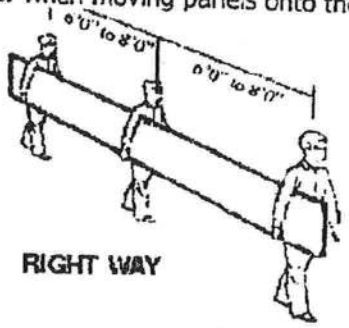
If the material is not to be used immediately, it should be stored in a dry place. Moisture trapped between sheets may cause damage to the paint system.

The paint system may become soft or water stains may appear which can detract from the appearance and affect the service life of the material. To avoid problems store the materials in a well ventilated dry area. Stack the materials on an incline position.

DO NOT USE PLASTIC TO COVER MATERIALS. THIS CAN CAUSE SWEATING OR CONDENSATION!

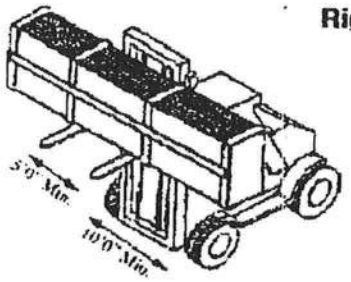
While unloading, bundles must be lifted from the center. Do not unload in a jerking or bouncing fashion. Panels greater than 25 feet long should be unloaded using a spreader bar to prevent panels from bending. Although the paint system is tough, dragging panels across the surface of another will almost certainly mar the finish. Do not lift panels from ends while flat. Lift the panels on edge when moving individual panels or when moving panels onto the roof.

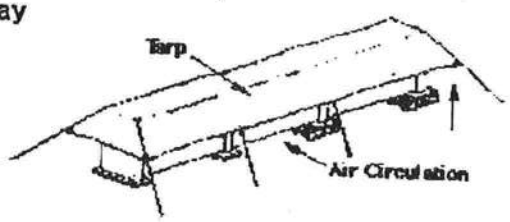
WRONG WAY

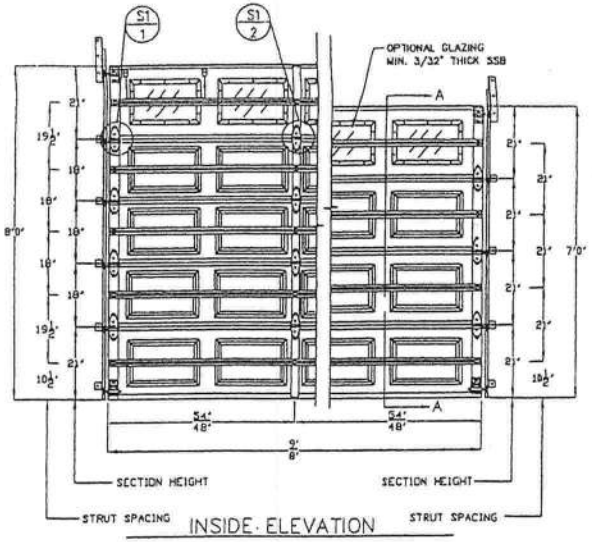


RIGHT WAY

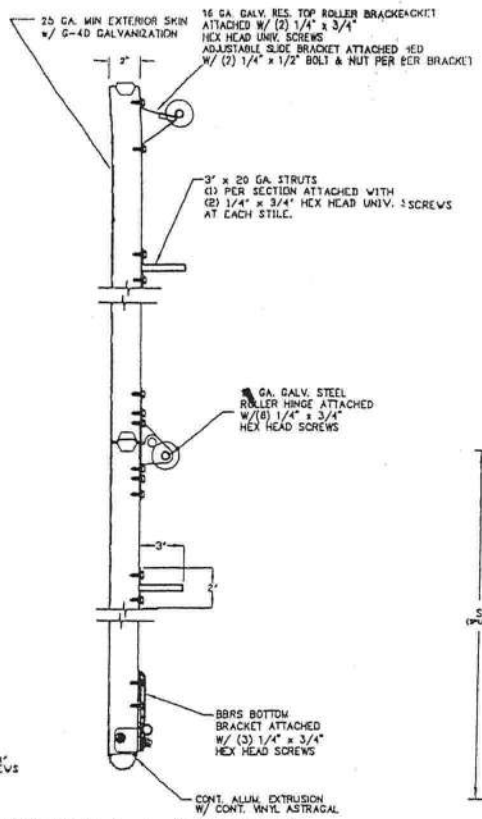
Right Way







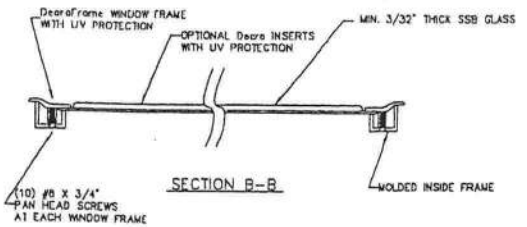
INSIDE · ELEVATION

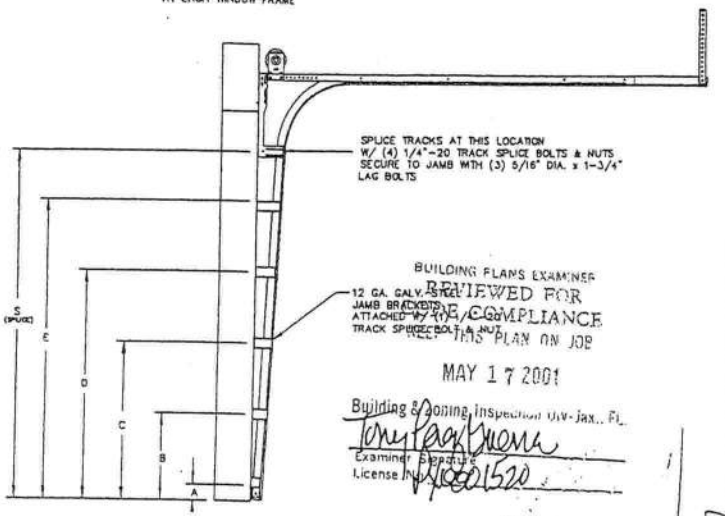


SECTION A–A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE 448.4 PSF AND -54.7 PSF. BY COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 9' X 7' AND 9' X 8' MODEL 600 AND 950 DOORS.

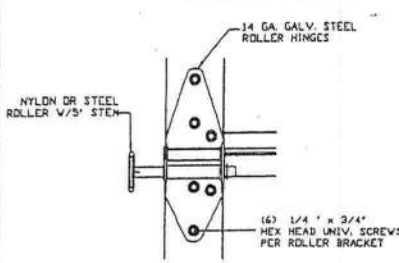




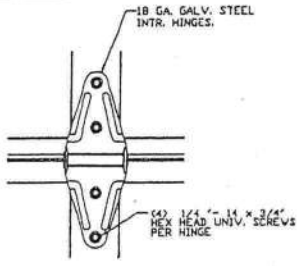
BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
THIS PLAN ON JOB

MAY 17 2001

Building & Zoning Inspection Div. Jax., Fl.
Examiner Signature
License No. RA0001520



TYP. ROLLER BRACKET S1/1
N.T.S.

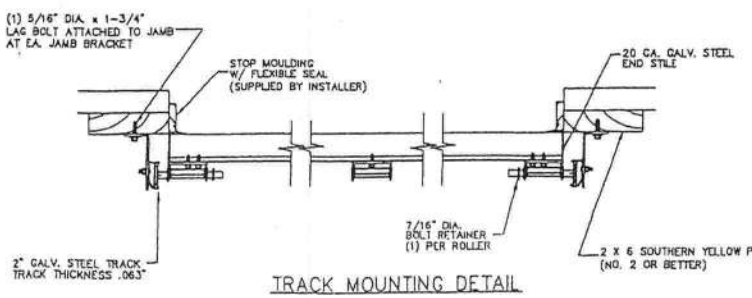


TYP. HINGE CONNECTION S1/2
N.T.S.

TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.018") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15° MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

MAX SIZE
9' x 8'

DESIGN LOADS
+28.7 PSF
-31.3 PSF

TEST LOADS
+43.0 PSF
-46.8 PSF

RT	DESCRIPTION OF REVISIONS	DATE	BY

Amarr GARAGE DOORS
WITH CORPORATE OFFICES IN WINSTON-SALEM, N.C. 27105

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

SIZE	DRAWN BY	DJ	DATE	01/10/95	DRAWING NUMBER
B	CHECKED BY		DATE		SBC-580-007-J
SCALE: NOT TO SCALE					SHEET 1 OF 1

4/19/01

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMK(s Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Buil. ng Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-2555 FAX

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05
TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 165
PRODUCT TYPE: Aluminum Single Hung (Fin)

Title	Summary of Results
Primary Product Designator	H-LC30 1114 x 1905 (44 x 75)
Operating Force (in motion)	76 N (17 lbf)
Air Infiltration	1.0 L/s/m^2 (0.20 cfm/ft^2)
Water Penetration Resistance Test Pressure*	260 Pa (5.43 psf)
Uniform Load Structural Test Pressure	±2160 Pa (45.14 psf)
Forced Entry Resistance	Grade 10

*-Optional Secondary Designators

Test Completion Date: 03/16/06

Reference must be made to Report No. 63771.01-109-47, 03/29/06 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.:	63771.01-109-47
Test Dates:	03/14/06
Through:	03/16/06
Report Date:	03/29/06
Expiration Date:	03/16/10

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 165, aluminum single hung window at the MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an H-LC30 1114 x 1905 (44 x 75) rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights.*

Test Specimen Description:

Series/Model: 165

Product Type: Aluminum Single Hung (Fin)

Overall Size: 1114 mm (43-7/8") wide by 1905 mm (75") high

Interior Sash Size: 1078 mm (42-7/16") wide by 952 mm (37-1/2") high

Fixed Daylight Opening Size: 1032 mm (40-5/8") wide by 892 mm (35-1/8") high

Screen Size: 1048 mm (41-1/4") wide by 946 mm (37-1/4") high

Overall Area: 2.1 m^2 (22.8 ft^2)

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Finish: All aluminum was white.

Frame Construction: The frame was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with two #6 x 3/4" screws. The fixed meeting rail was secured with a PVC bracket that was fastened to the frame with two #6 x 5/8" self-tapping screws and fastened to the fixed meeting rail with two #6 x 1/2" screws.

Sash Construction: The sash was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with one #6 x 1" screw.

Glazing Details: The unit was glazed with 1/2" thick insulating glass constructed of two sheets of 1/8" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was set from the interior onto a silicone bedding and secured with snap-in PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.250" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.270" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.210" high polypile with center fin	1 Row	Fixed meeting rail
0.187" backed by 0.250" high polypile, 1" long pad	2	Sill, each end
0.187" backed by 3/8" diameter, two leaf foam filled vinyl bulb seal	1 Row	Bottom rail

Drainage: A sloped sill was utilized.

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal sweep locks with adjacent keepers	2	Meeting rail, 7" from each end
Plastic tilt latches	2	Each end of the interior meeting rail
Pivot pins	2	Each end of the bottom rail
Coil balance	2	Jambs

Reinforcement: No reinforcement was utilized.

Screen Construction: The screen was constructed of roll-formed aluminum. Corners were square-cut and secured with plastic corner keys. The screen mesh was secured with a flexible vinyl spline.

Installation: The unit was installed into a wood test buck. The nail fin was set onto a bed of silicone and fastened with #6 x 1-5/8" screws, 3" from each end and 10" on center.

Test Results: The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.1	Operating Force per ASTM E 2068		
	Initiate motion	71 N (16 lbf)	N/A
	Maintain motion	76 N (17 lbf)	135 N (30 lbf)
	Latches	27 N (6 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
	75 Pa (1.6 psf)	1.0 L/s/m^2 (0.20 cfm/ft^2)	1.5 L/s/m^2 (0.3 cfm/ft^2 max.)

***Note #1**: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance.*

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.3	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.4.2	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.3	Uniform Load Structural per ASTM E 330		See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

5.3.5	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
5.3.6.3	Deglazing Test		
	In operating direction - 320 N (70 lbs)		
	Interior meeting rail	3.0 mm (0.12")	11.4 mm (0.45")
	Bottom rail	2.5 mm (0.10")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbs)		
	Left stile	1.8 mm (0.07")	11.4 mm (0.45")
	Right stile	1.8 mm (0.07")	11.4 mm (0.45")

Optional Performance

4.4.2.6	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	260 Pa (5.43 psf)	No leakage	No leakage

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Optional Performance: (Continued)		
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1440 Pa (30.09 psf) (positive)	11.2 mm (0.44")	See Note #3
	1440 Pa (30.09 psf) (negative)	9.9 mm (0.39")	See Note #3

***Note #3**: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2160 Pa (45.14 psf) (positive)	1.3 mm (0.05")	4.1 mm (0.16") max.
	2160 Pa (45.14 psf) (negative)	0.25 mm (0.01")	4.1 mm (0.16") max.

Drawing Reference: The test specimen drawings have been reviewed by ATI and are representative of the test specimen reported herein.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Jeramie D. Grabosch

Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E.
Senior Project Engineer

JDG:jdg/vlm

Attachments (pages):
Appendix-A: Alteration Addendum (1)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	03/29/06	N/A	Original report issue

Architectural Testing

Appendix A

Alteration Addendum

***Note**: No alterations were required.*

Inswing

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

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, Ohio 43537

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing

APPROVAL DOCUMENT: Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, 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: None

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.

The submitted documentation was reviewed by **Raul Rodriguez**

ET THE SOUTH FLORIDA
MIAMI–DADE COUNTY.
ANCHORED PROPERLY
CTURE.
STED AND SPACED AS
OMENT TO BASE MATERIAL
OR STUCCO.
BLE PAGE 1.
WATER REQUIREMENTS

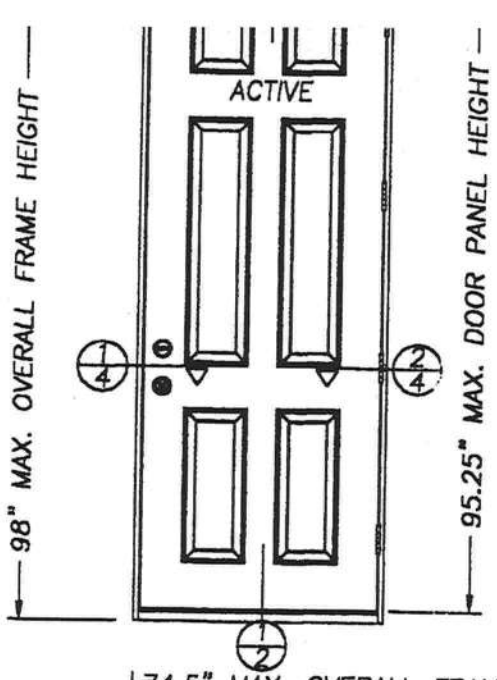
STANT SHUTTERS ARE REQUIRED.
BE USED IN A

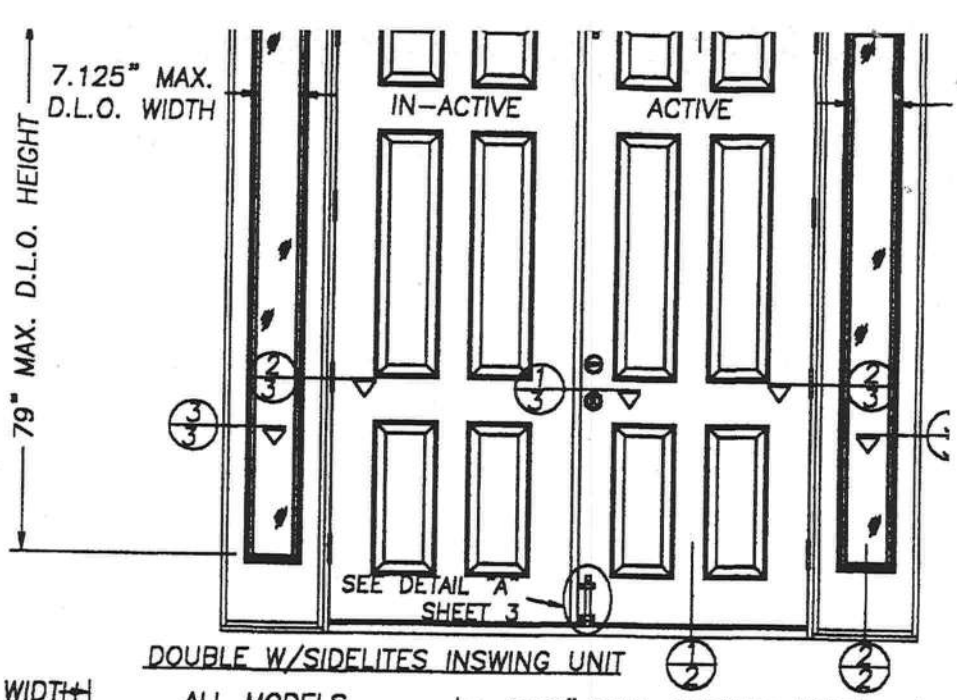
LOCATIONS PROTECTED BY
THE ANGLE BETWEEN THE EDGE
IS LESS THAN 45 DEGREES.
-HABITABLE AREAS WHERE THE
TO ACCEPT WATER INFILTRATION.

GLASS DOOR
nditions)

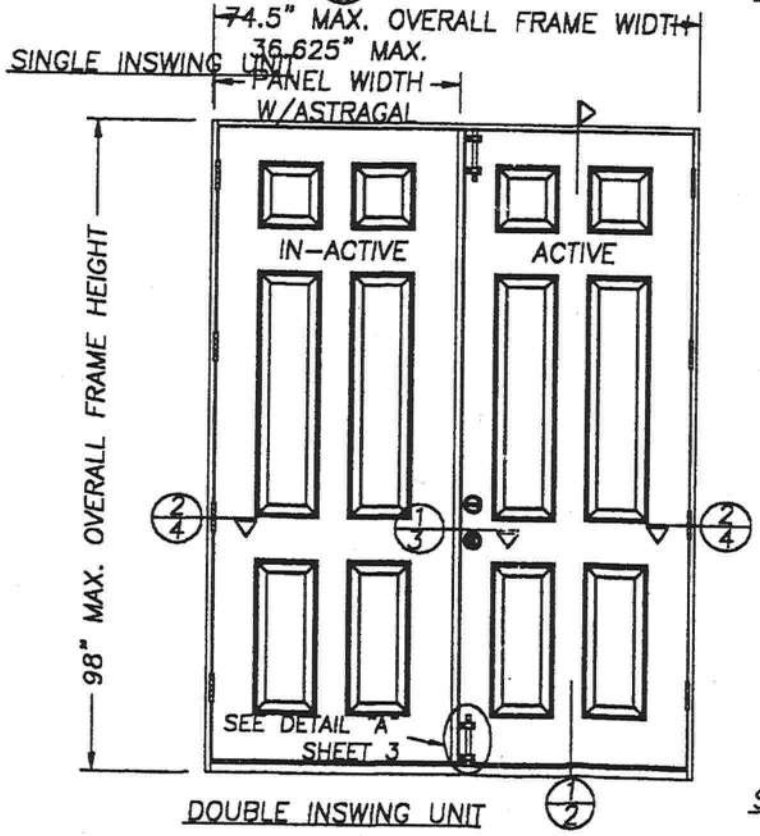
rm thickness, with yield strength

.9 lbs. density by BASF.
ructed from a sheet molding
thk. is filled with 1.9 lbs. density
eets are glued to the wood stiles
/L or LSL. The latch stile which is
The top and bottom rail are of a
or application the inactive door
gal of 6060–T6 alloy.
ed from finger jointed pine. The
) #8 x 2 1/2" long screw at each
a sidelite application using
" per each mullion. The units uses
" x 1.548".
dwich glazed using a two piece lip
on the exterior with an 1/8"
with Dow 795 silicone compond
to the sidelite panel & to the
th a #8 x 1 1/2" long Plascrew



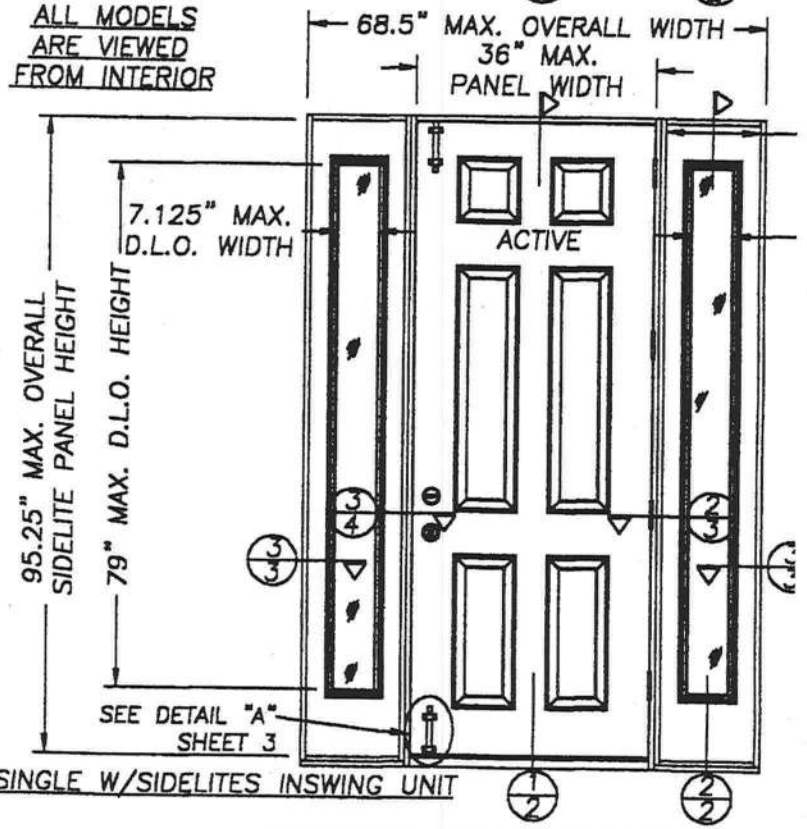


DOUBLE W/SIDELITES INSWING UNIT

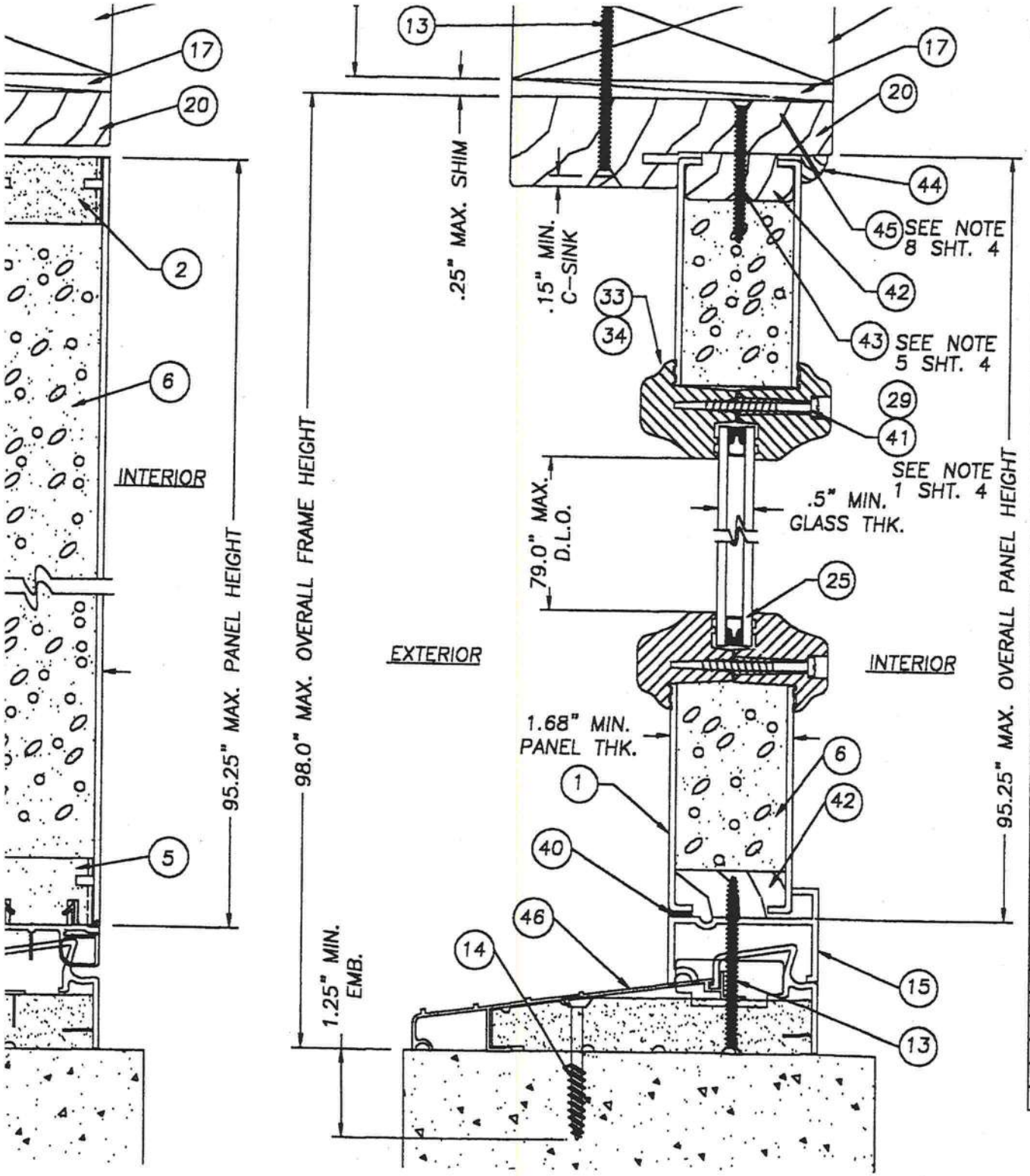


DOUBLE INSWING UNIT

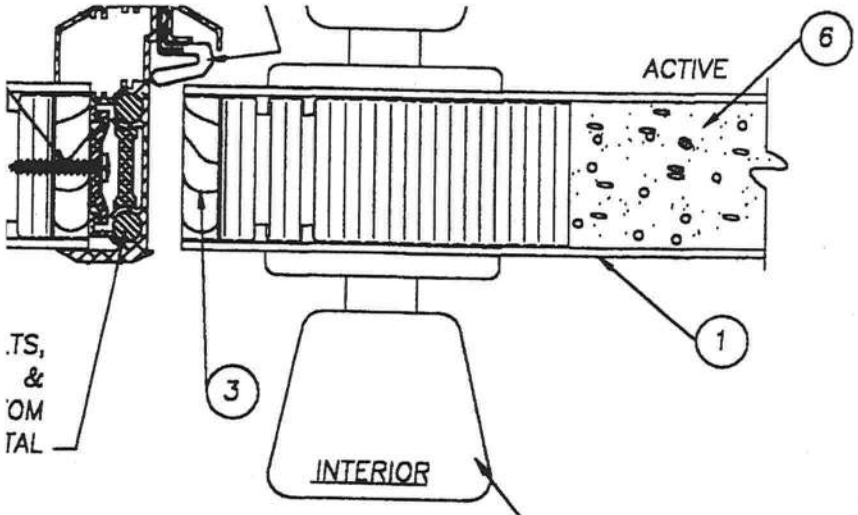
ALL MODELS ARE VIEWED FROM INTERIOR



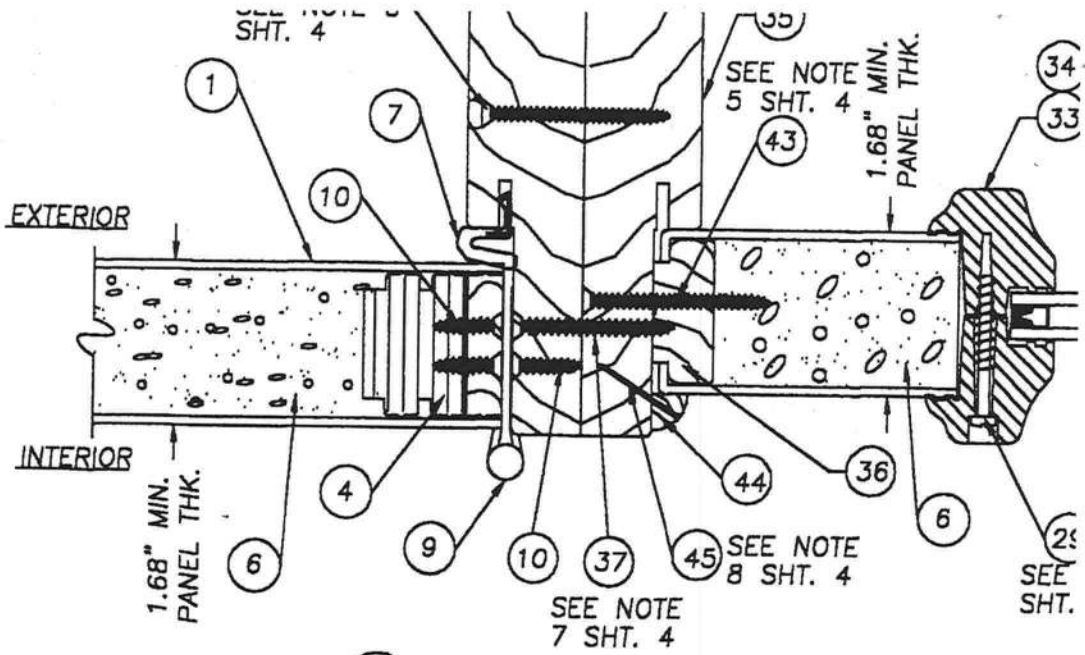
SINGLE W/SIDELITES INSWING UNIT



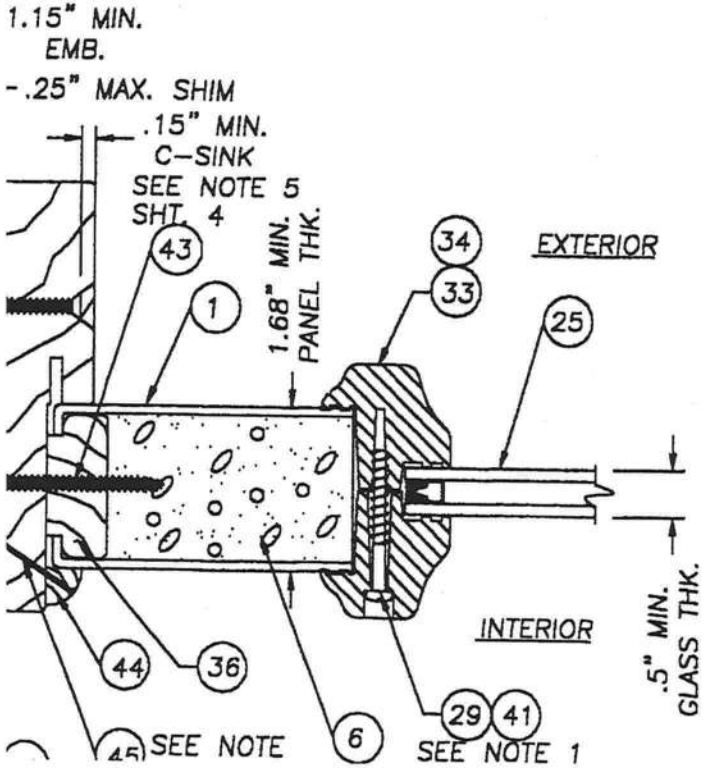
3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4.
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TI
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)
11	#10 x 1" LG. PFH WOOD SCREW
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	SIDELITE BOTTOM BOOT .090" EXTRUDED VIN
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	NOT USED
20	HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR80T (.052" WAL
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #
30	NOT USED
31	NOT USED
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC, THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.0
39	NOT USED
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED F
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	SELF ADJUSTING INSWING SADDLE THRESHOLD
47	INSWING DOOR BOTTOM SWEEP
48	IVES SURFACE BOLT #454 .25 STEEL
49	1/4-20 SEX BOLT W/ 1/4-20 FEMALE ENI

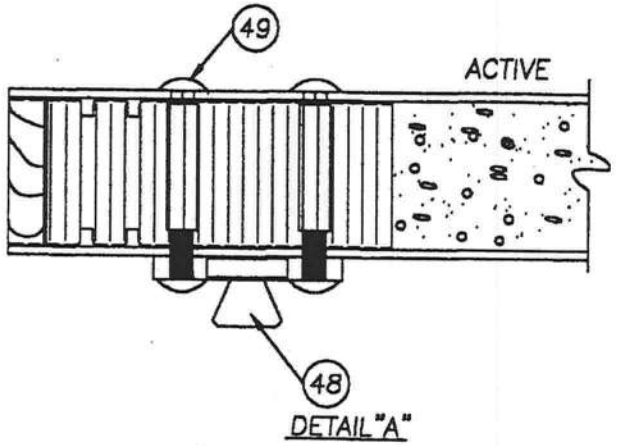


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE CHART)

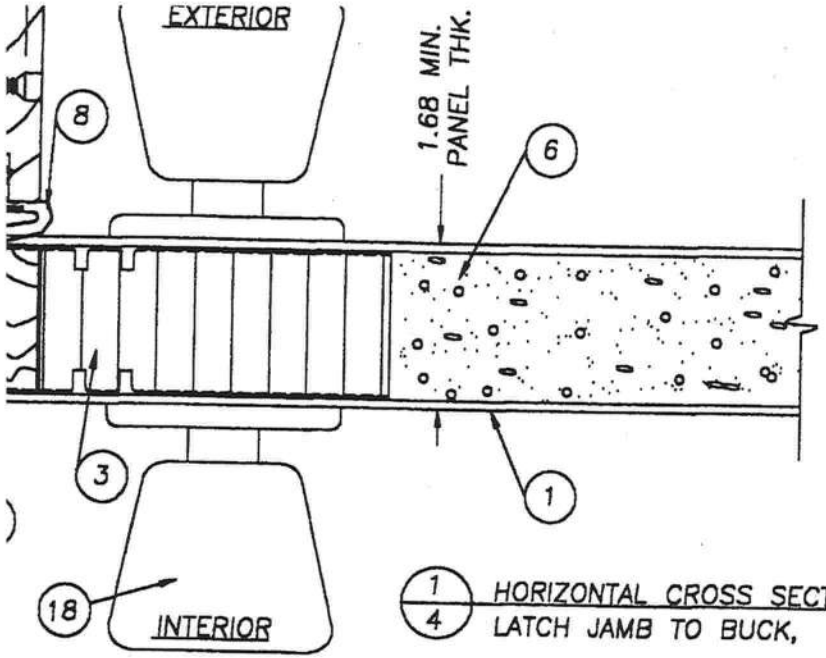


2/3 HORIZONTAL CROSS SECTION
@ HINGE JAMB TO SIDELITE

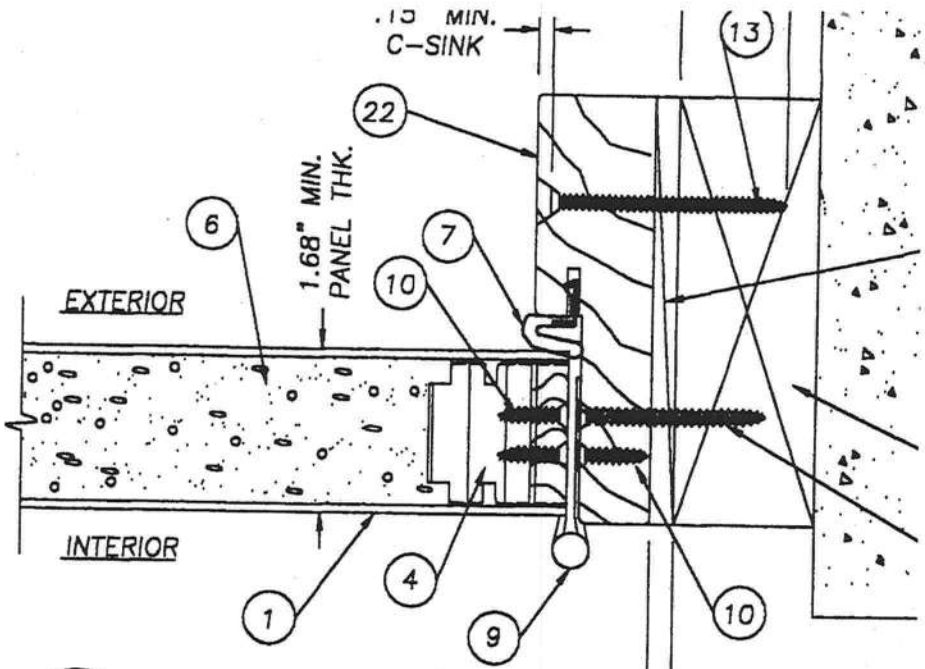




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE PANEL
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,



2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

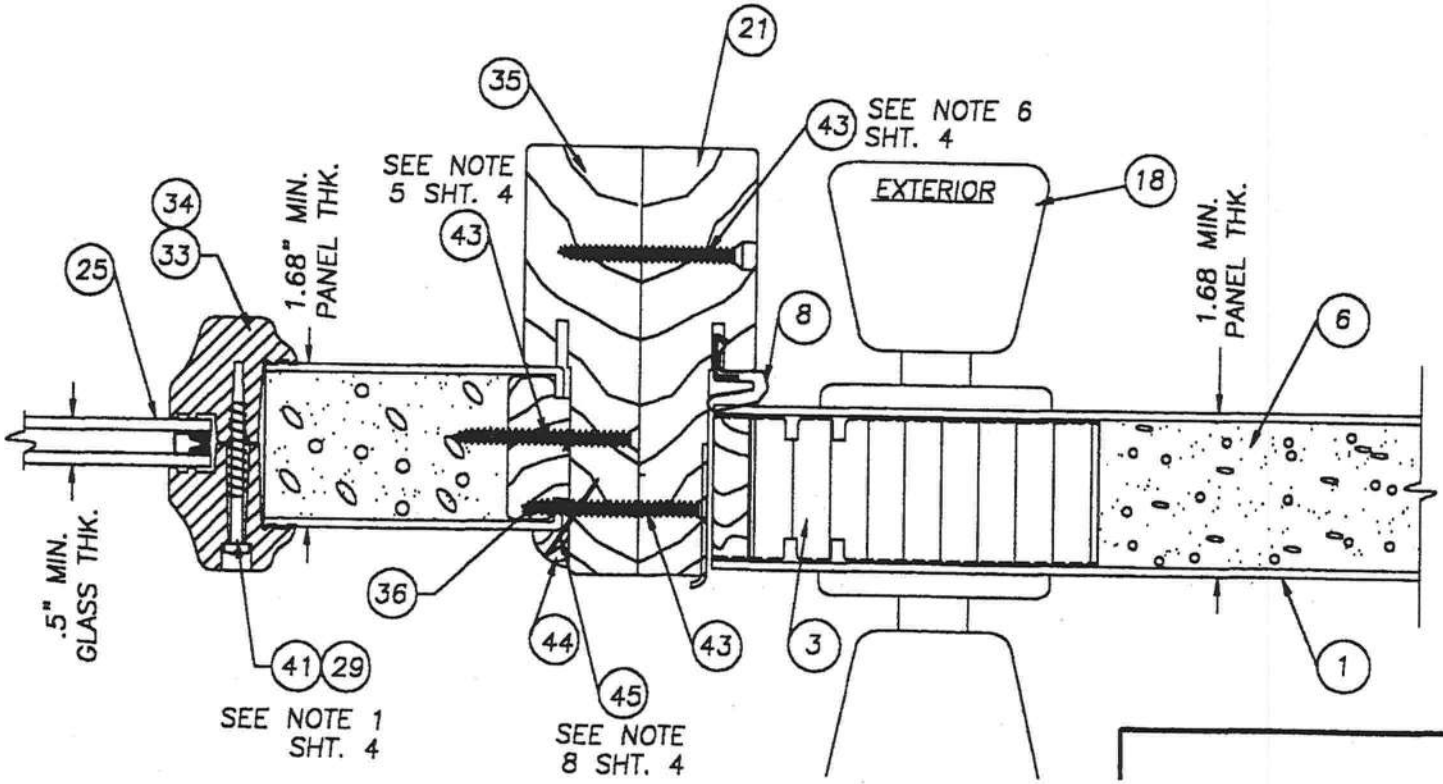
.25" MAX. SHIM SPACE

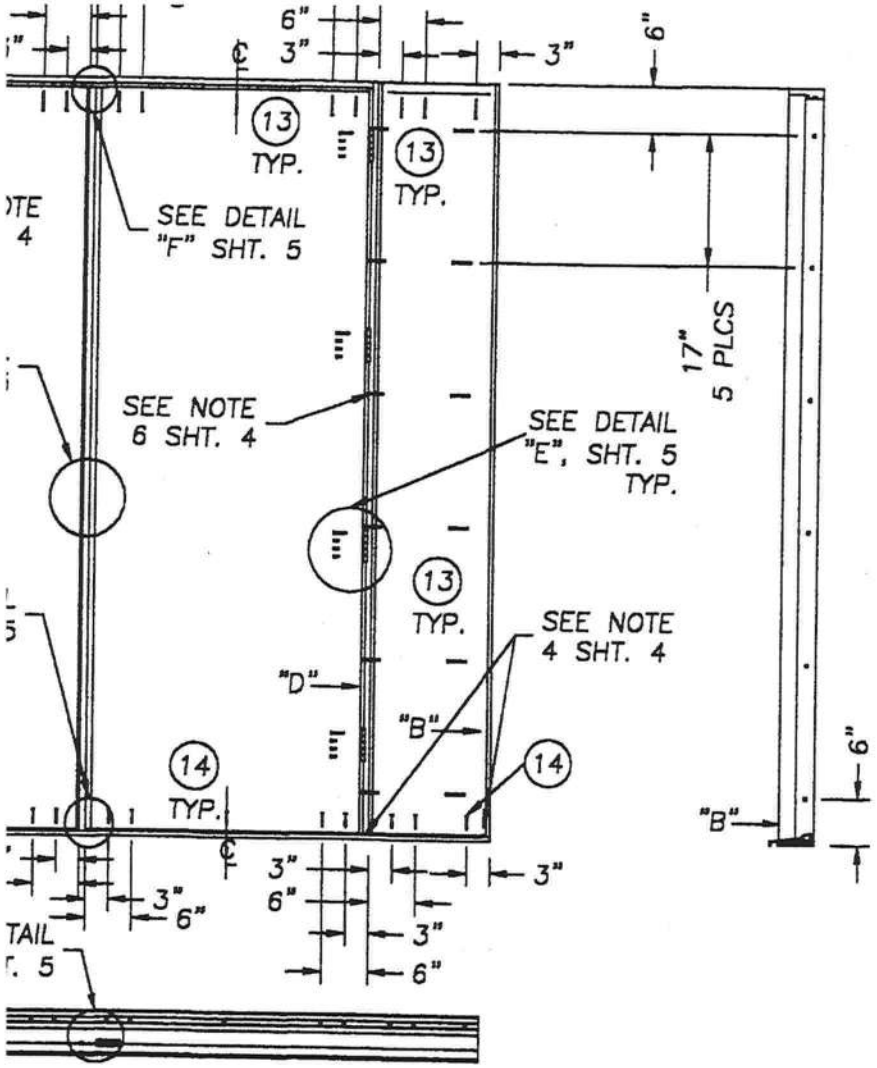
) IS AS FOLLOWS: FROM
WITH (7) MORE SPACED
REWS BOTH TOP AND
CORNER.
CREW
INACTIVE DOOR IS AS
", 3", 5", 18.25", 54"

HE SIDE JAMBS WITH

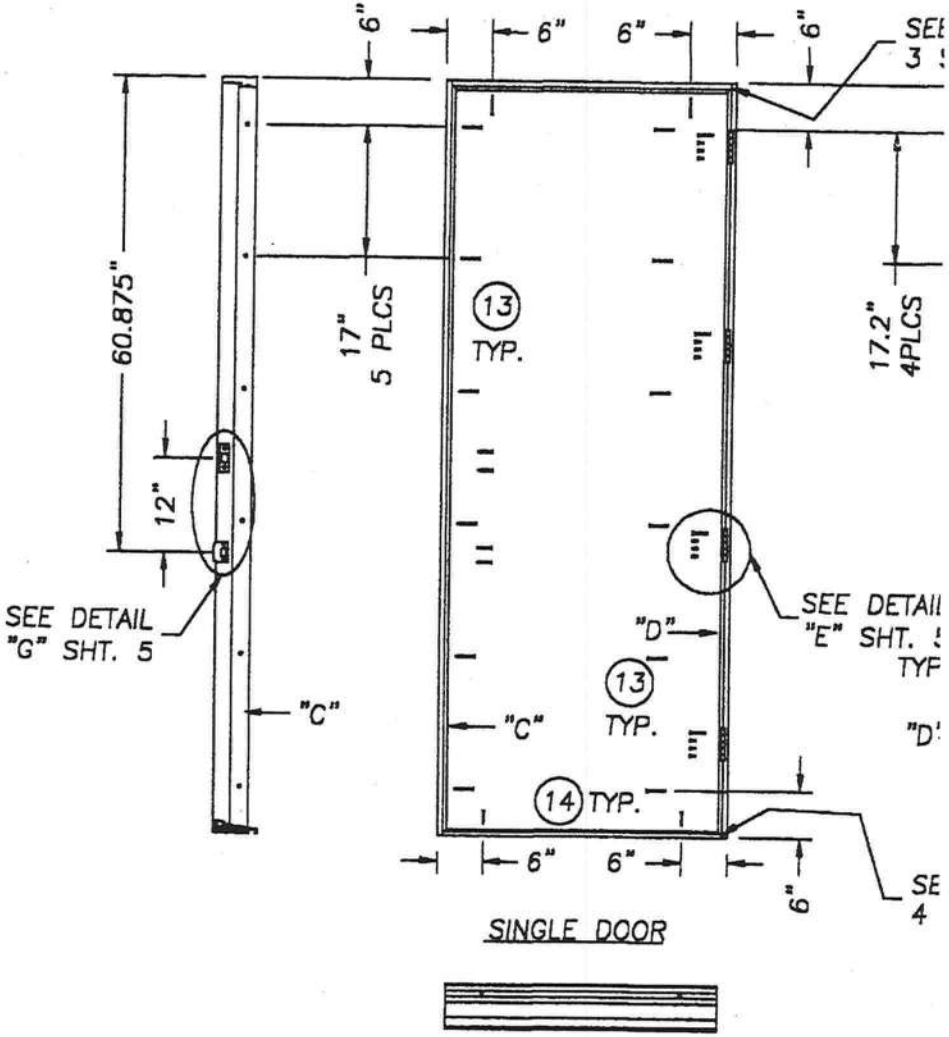
HE SIDE JAMBS WITH

HE JAMB WITH (12)
E ARE (4) AT
OP DOWN AT 13.5",
THE HEADER AT 4"
HE FRAME. THERE ARE
TSIDE CORNERS.
IRING THE MULLIONS
RIMETER ANCHORING
AND UP FROM THE
16.9" O.C.
JAMB AND THE BUCK
CHING THE HINGE TO

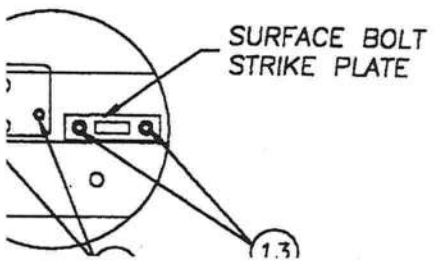


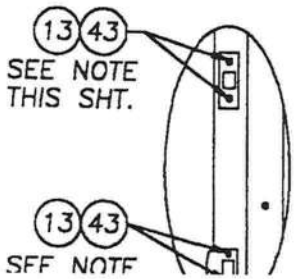


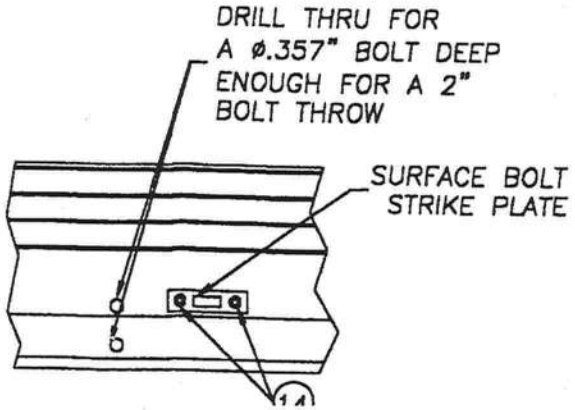
DOOR W/SIDELITES



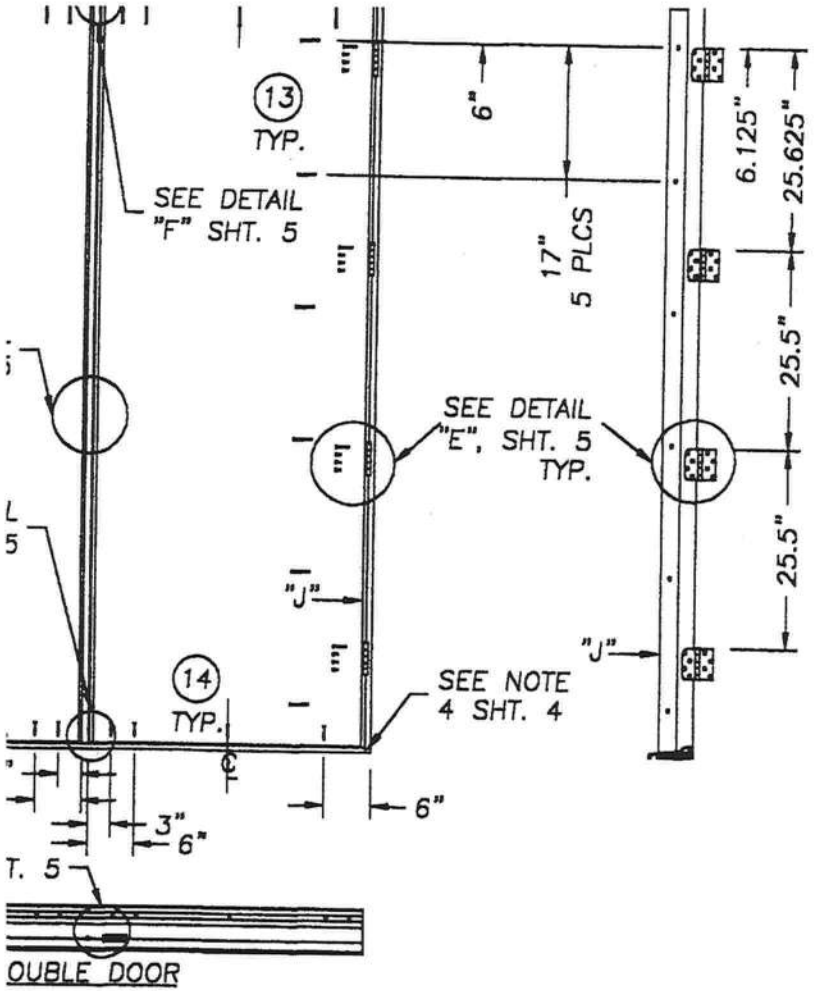
SINGLE DOOR

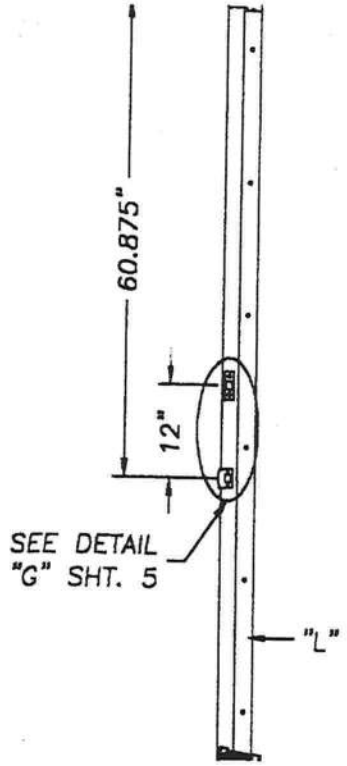


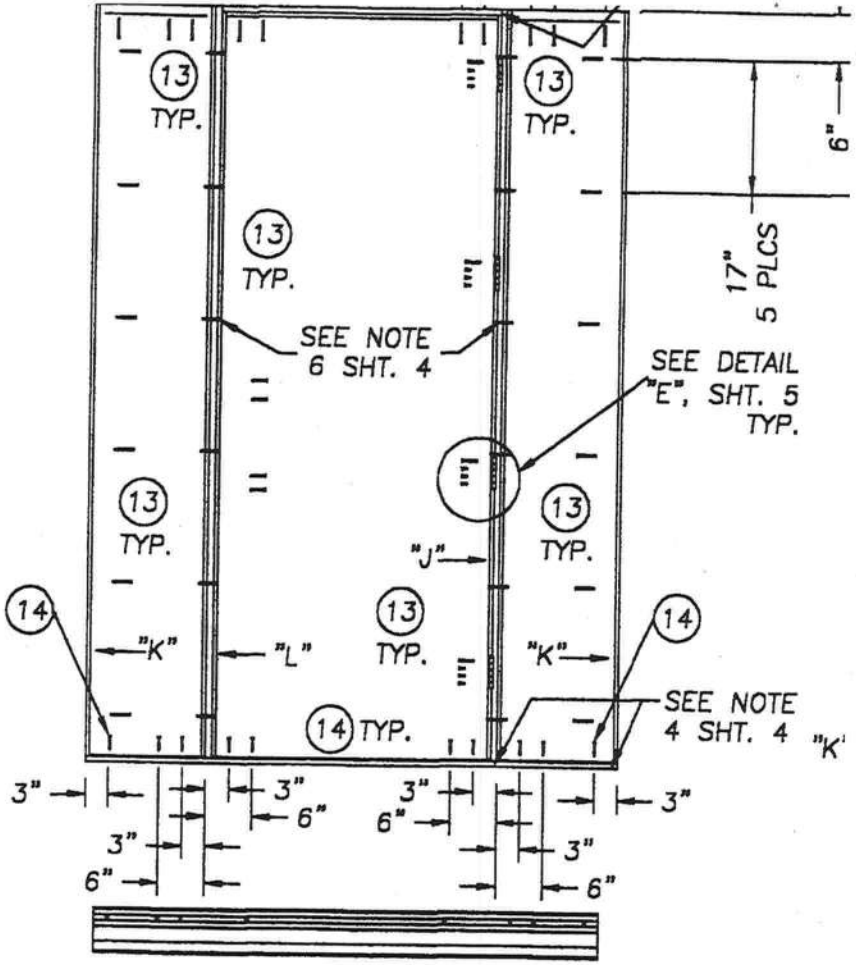




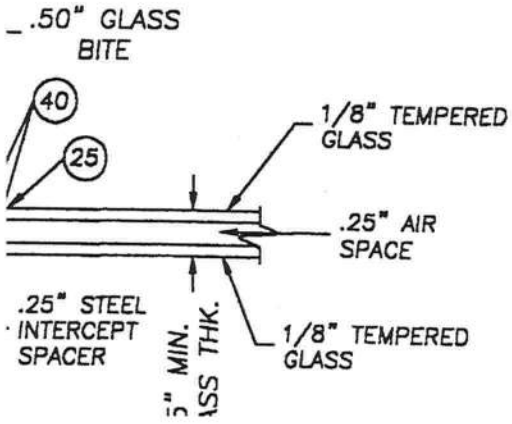
NOTE:
USE ITEM #13 A #8 x 2 1/2" PFH W(
ATTACH THE STRIKE AND DEADBOLT PL
JAMB OR ASTRAGAL EXCEPT IN THE MU
APPLICATION WITH THE SIDELITE USE IT
2" PFH WOOD SCREW.

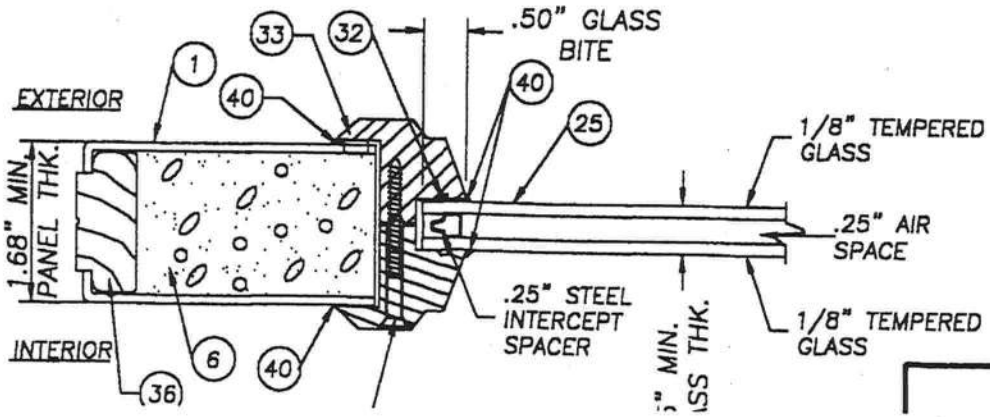


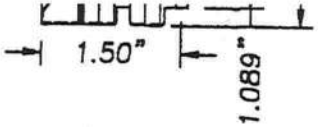




SINGLE DOOR W/SIDELITES

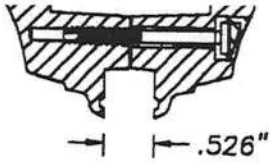




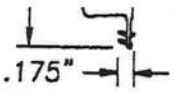


(4) HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

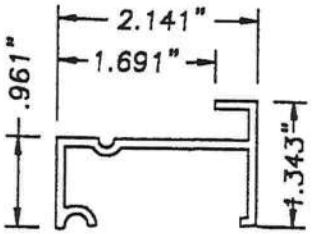


(34) PLASTIC LIP LITE FRAME
EXTRUDED SMC

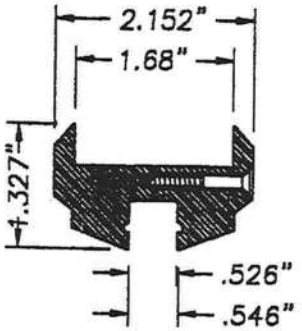


(7) COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET

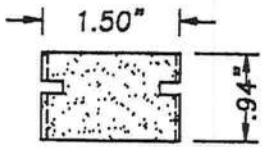
(8) LONG
COMPRESSION
FOAM CELL CORE



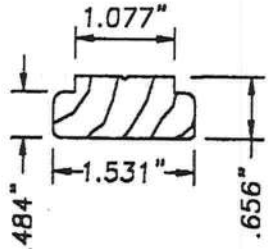
(15) INSWING SIDELITE
BOTTOM BOOT
0.09" EXTRUDED VINYL WALL



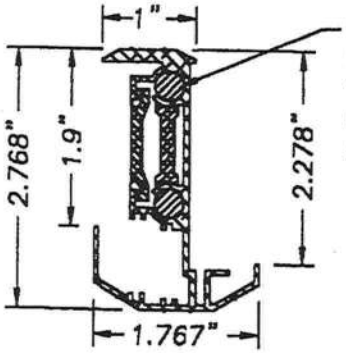
(33) PLASTIC LIP LITE FRAME
EXTRUDED PVC



(2) TOP RAIL
WOOD COMPOSITE

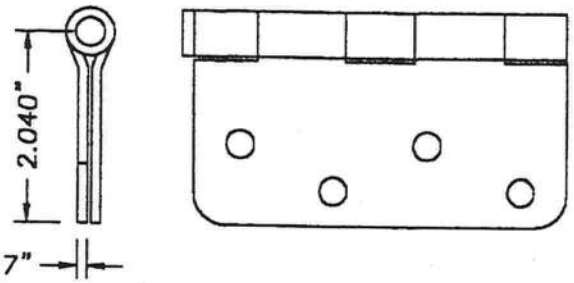


(42) SIDELITE TOP
& BOTTOM RAIL

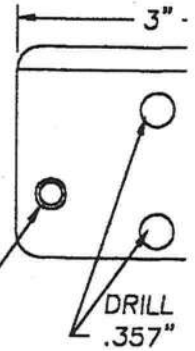


ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
@ TOP & (2) 8.0" LG. X
0.3125" DIA. @ BOTTOM
(4) BOLTS TOTAL

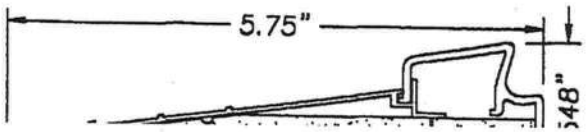
(24) WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



(9) 4 x 4 STEEL DOOR HINGE



WINDJAMBER II WR80T



MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

Outswing

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)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, Ohio 43537

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Classic Craft" 8'0 Outswing Opaque Fiberglass Door w & w/o Sidelites

APPROVAL DOCUMENT: Drawing No. **S-2162**, titled "Classic Craft Opaque" Single & Double Outswing 8'0 Fiberglass Door, sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 11/10/01, with revision #2 dated 5/27/02, 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: None

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 consists of this page 1 as well as approval document mentioned above
The submitted documentation was reviewed by **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED

NOTES
O MEET THE FLORIDA

ST BE ANCHORED PROPERLY
STRUCTURE.

AS LISTED AND SPACED AS
EMBEDMENT TO BASE MATERIAL
SSING OR STUCCO.

SEE TABLE SHEET 1.

TER REQUIREMENTS FOR
S" WITH USE OF HIGH DAM

IN AREAS REQUIRING WIND
ORIDA BUILDING CODE
SHUTTERS ARE REQUIRED.

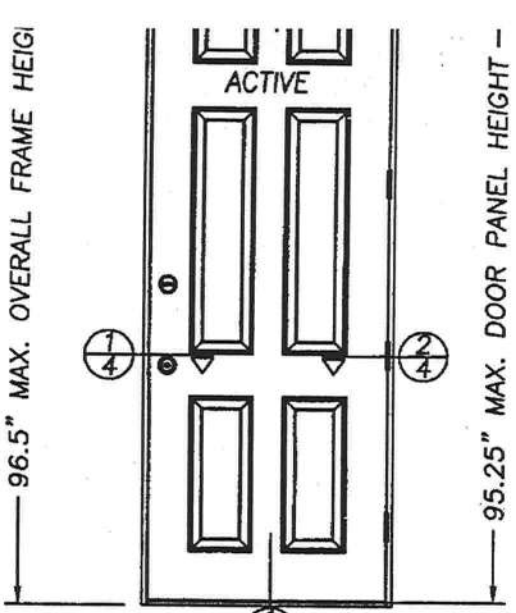
) CAN BE USED IN A
ATION.

FIBERGLASS DOOR
me conditions)

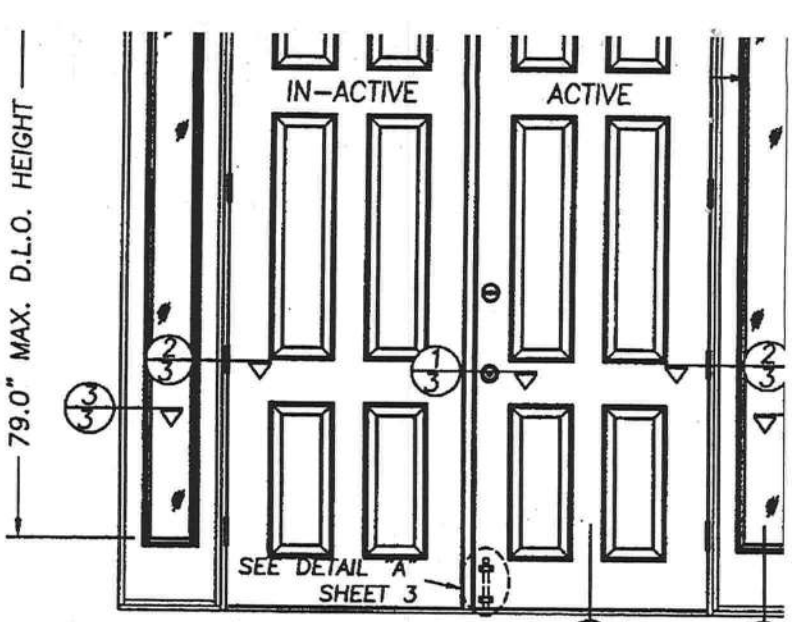
:
25" minimum thickness,
0 psi
core,

'n is constructed from a
ınd (SMC). The interior cavity
SF polyurethane foam. The
he wood stiles and rails.
/L or LSL. The latch stile
atch reinforcement. The top
composite material. In the
ive door is fitted with an
6060–T6 alloy.
cted from finger jointed pine. The
(3) #8 x 2 1/2" long Phillips flathead
ıred together in a sidelite application
) screws per each mullion. The units
a Low Profile or High Water Dam type.
ındwich glazed using a two piece
exterior with an 1/8" thk. cellular
Silicon Compound. The lite frames are
Plascrew or a #6–18 1 3/4" long

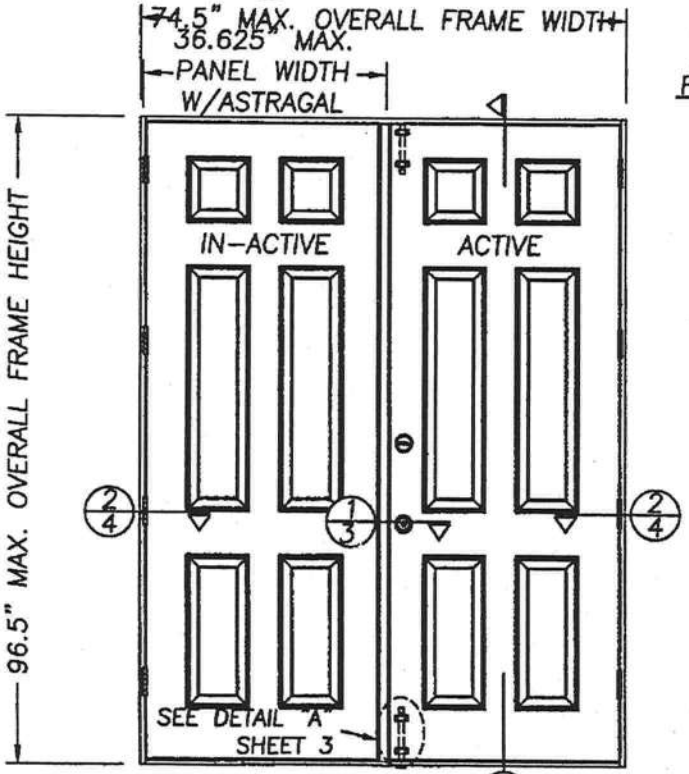
CONTENTS



SINGLE OUTSWING UNIT

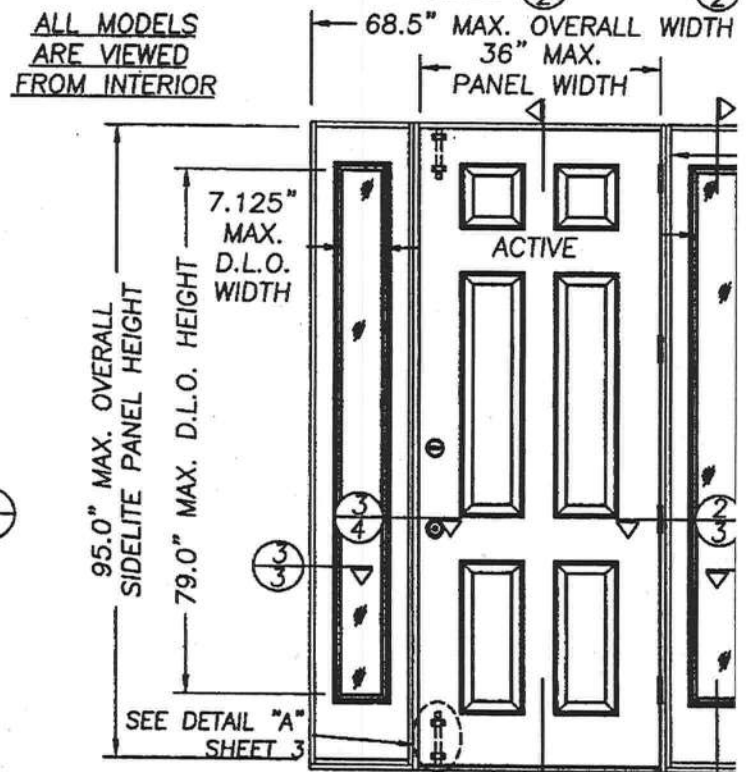


DOUBLE W/SIDELITES OUTSWING UNIT



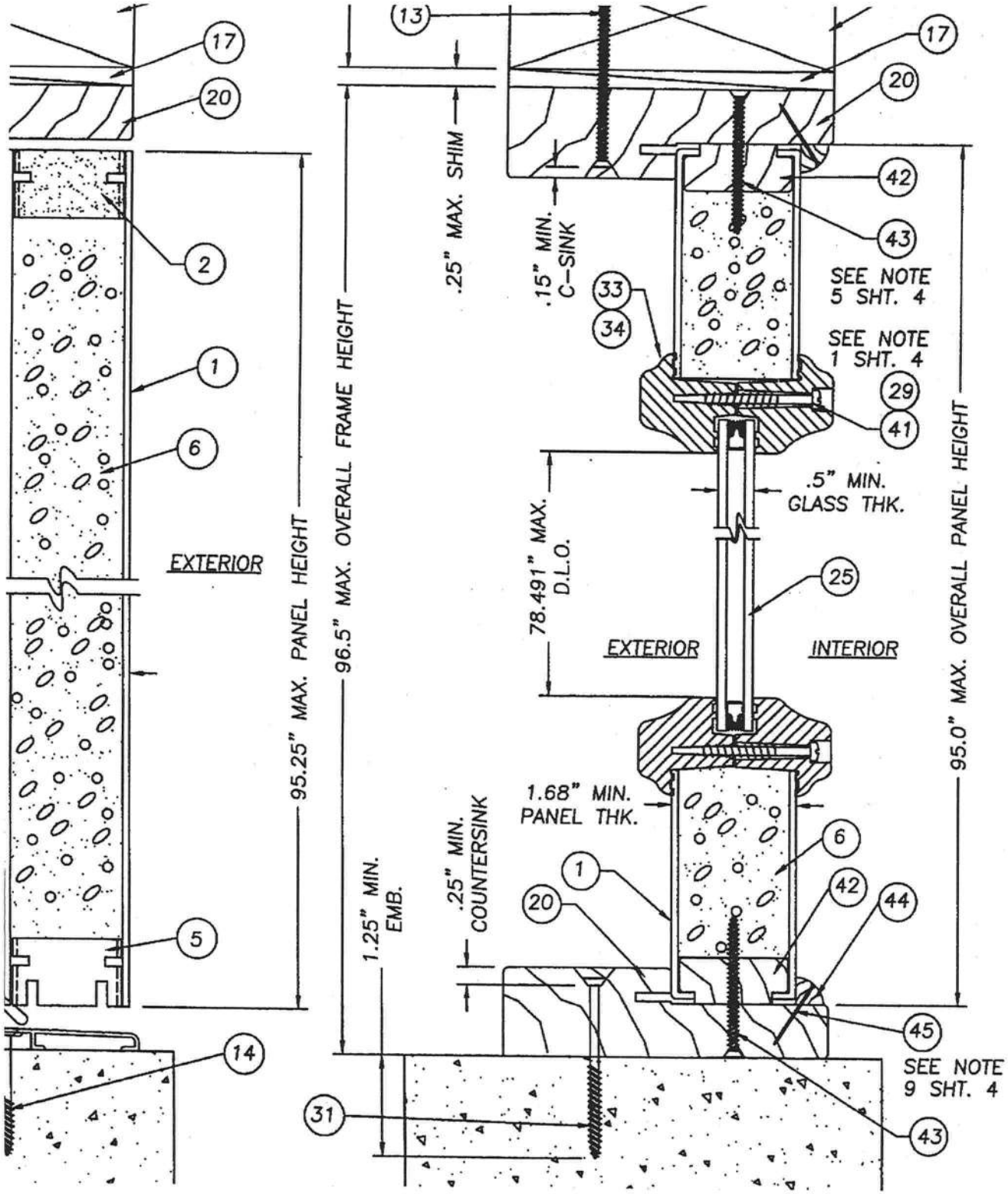
DOUBLE OUTSWING UNIT

ALL MODELS ARE VIEWED FROM INTERIOR



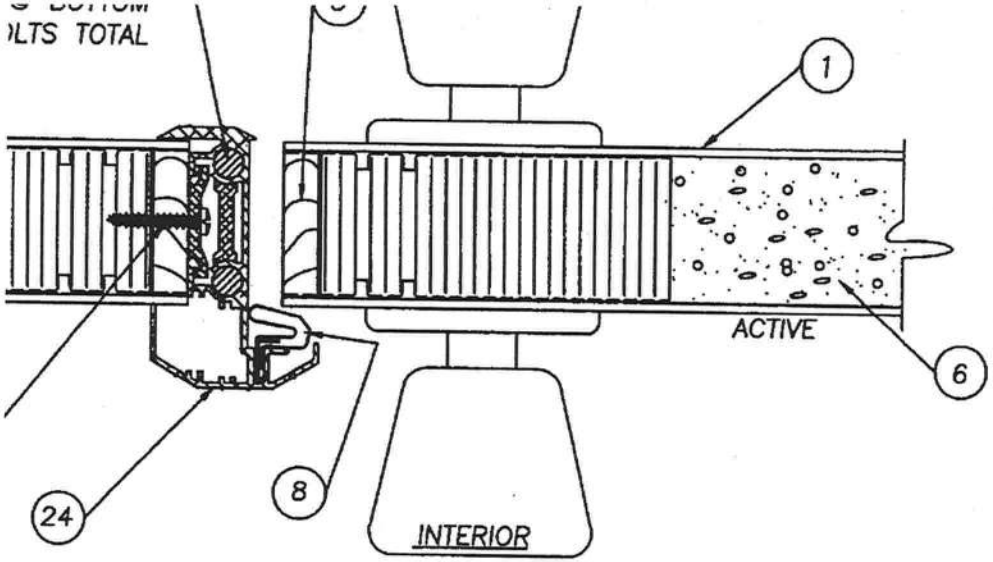
SINGLE W/SIDELITES OUTSWING UNIT

DESIGN PRESSURE RATING
WHERE WATER INFILTRATION IS REQUIRED

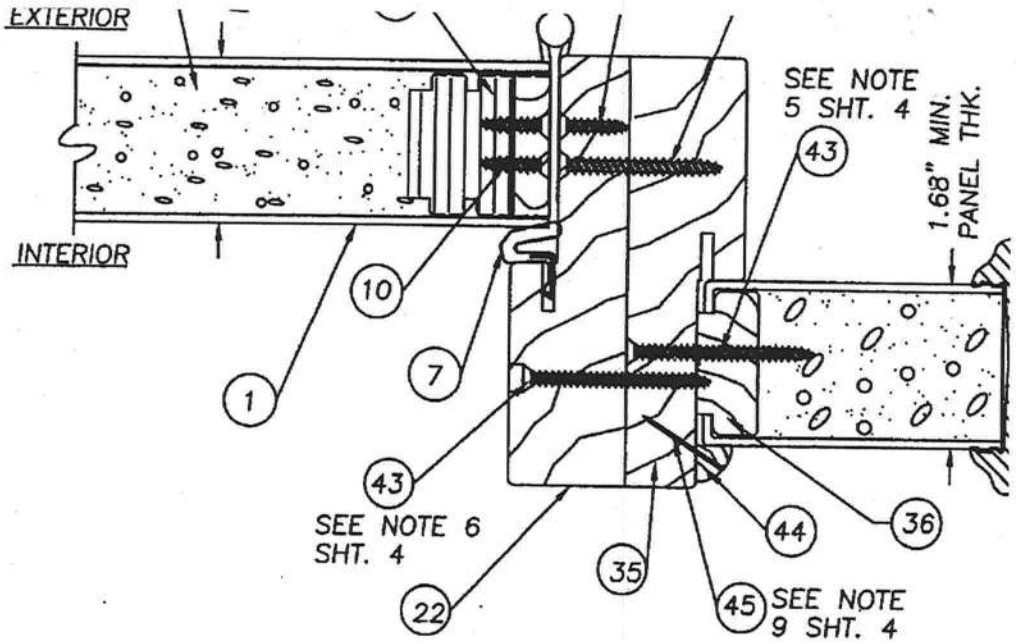


4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOS
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TR
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)
11	NOT USED
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	NOT USED
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU) (NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"
20	HEADER 4.656" x 1.211" (THERMA-TRU, PINE)
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR80T (.052" WALL)
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM
30	NOT USED
31	3/16" TAPCON ANCHOR (ELCO, 2.5" MIN. LG.)
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PINE)
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PINE)
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4
39	HIGH WATER DAM THRESHOLD (USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656"
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED PINE
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	IVES SURFACE BOLT #454 8.0" L. x .25" THK. STEEL
47	1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L.

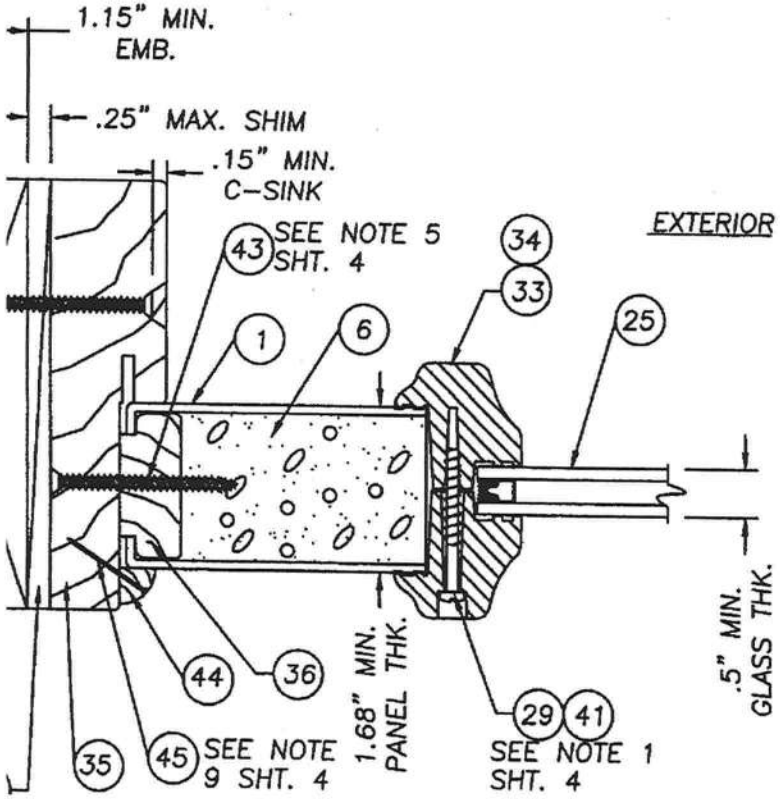
Anor

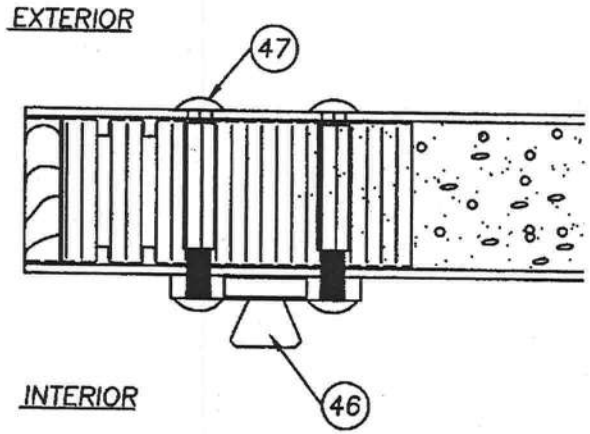


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE RATE CHART)

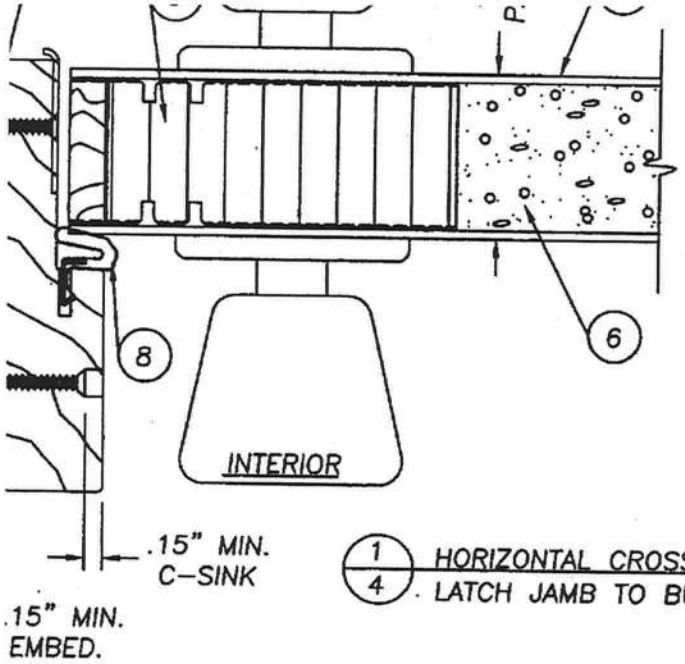


2/3 HORIZONTAL CROSS SI
@ HINGE JAMB TO SIL

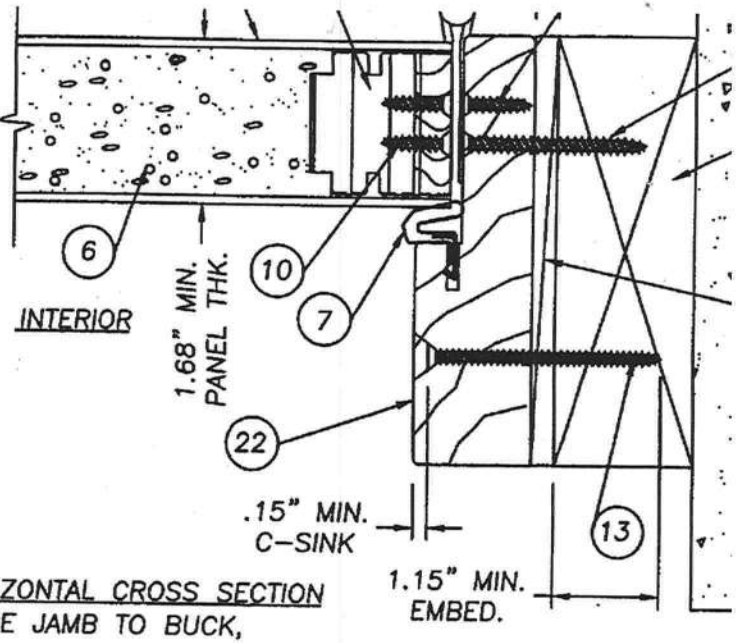




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,

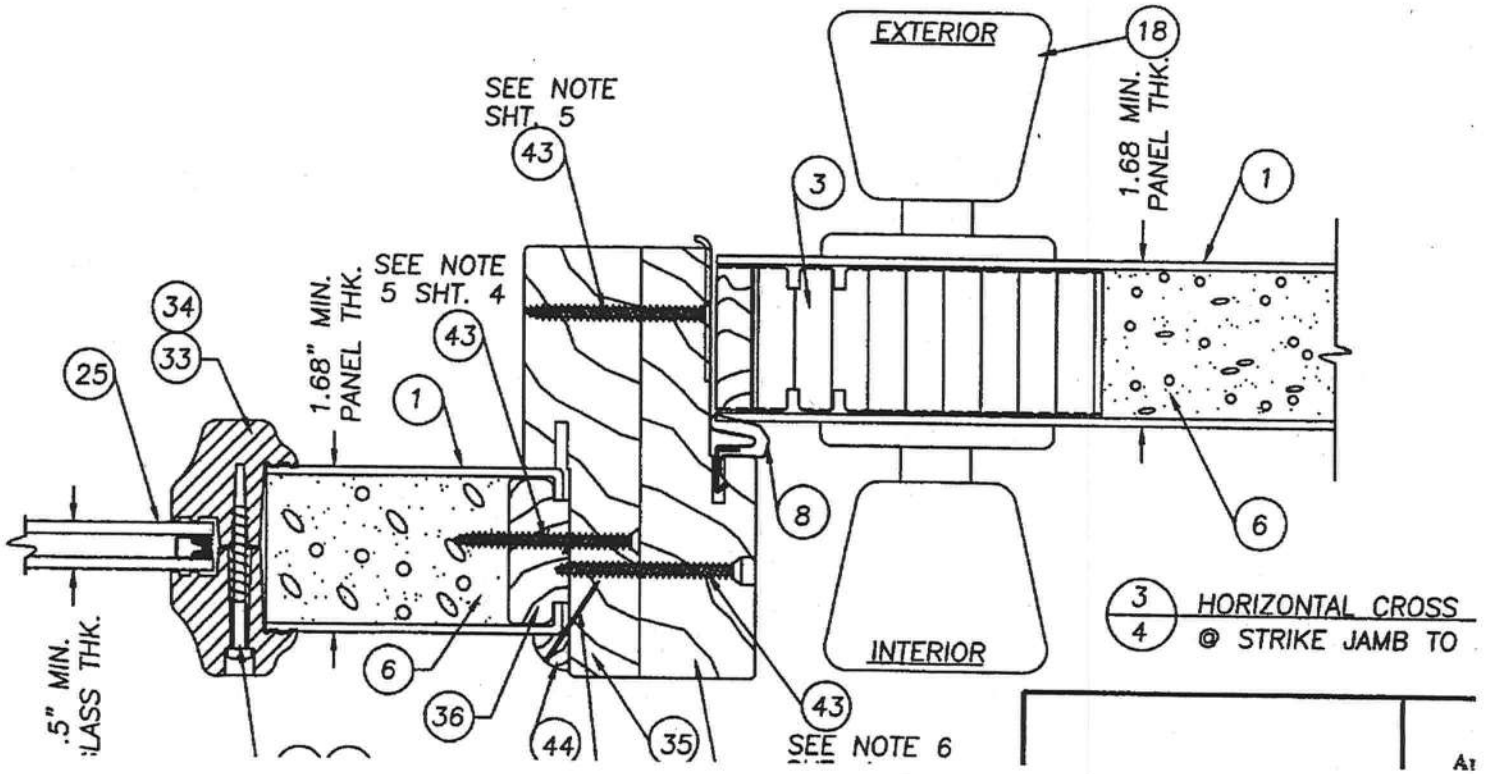


2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

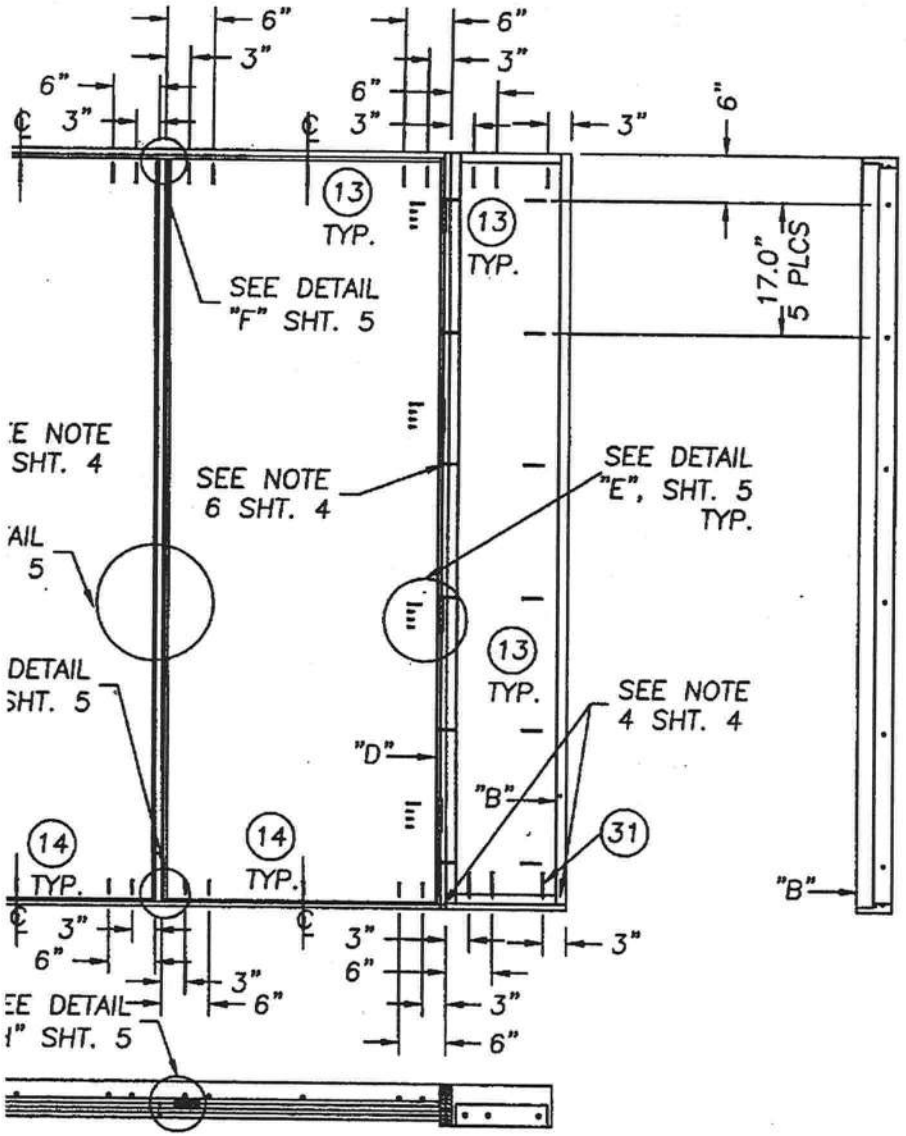
CREWS) IS AS FOLLOWS: FROM
6.5", WITH (7) MORE SPACED
(2) SCREW BOTH TOP AND
EACH CORNER.
1" PANHEAD SCREW
) THE INACTIVE DOOR IS AS
OWN 1", 3", 5", 18.25", 54"
;".
) TO THE SIDE JAMBS WITH

) TO THE SIDE JAMBS WITH

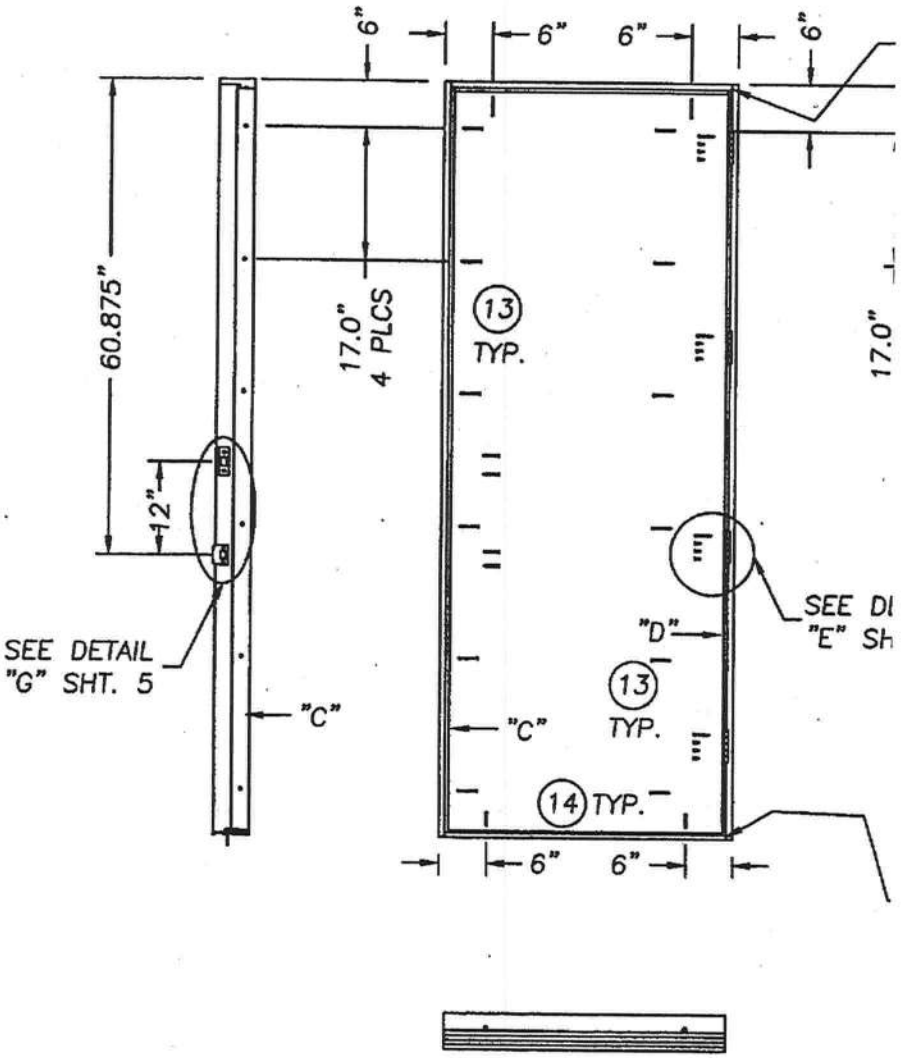
INTO THE JAMB WITH (12)
'. THERE ARE (4) AT
THE TOP DOWN AT 13.5",
(2) AT THE HEADER AT 4"
S OF THE FRAME. THERE ARE
THE OUTSIDE CORNERS.
W SECURING THE MULLIONS
THE PERIMETER ANCHORING
IE TOP AND UP FROM THE
ACED AT 16.9" O.C.
TO THE JAMB AND THE BUCK
N ATTACHING THE HINGE TO
AT THE MULLION USE ITEM



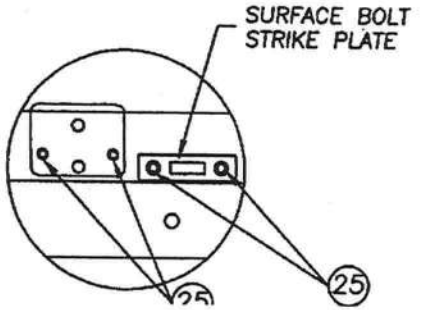
3/4 HORIZONTAL CROSS
@ STRIKE JAMB TO

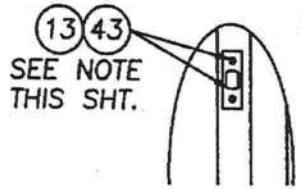


UBLE DOOR W/SIDELITES

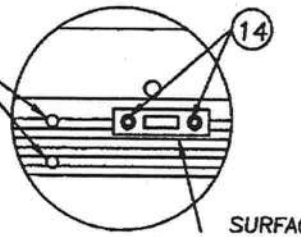


SINGLE DOOR

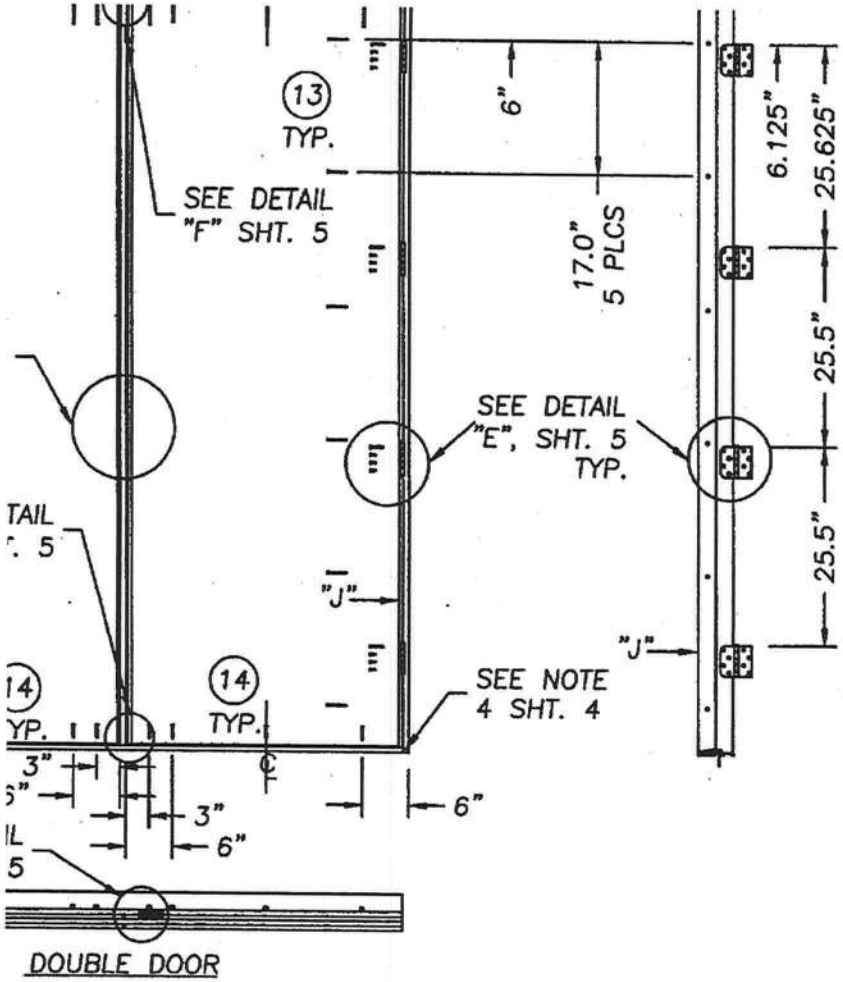




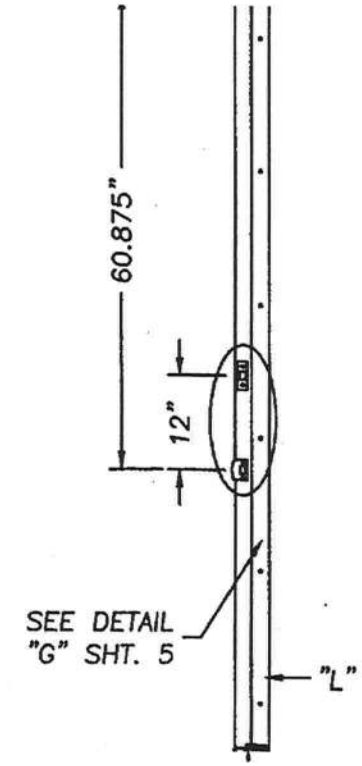
DRILL THRU FOR A ø.357" BOLT DEEP ENOUGH FOR A 2" BOLT THROW

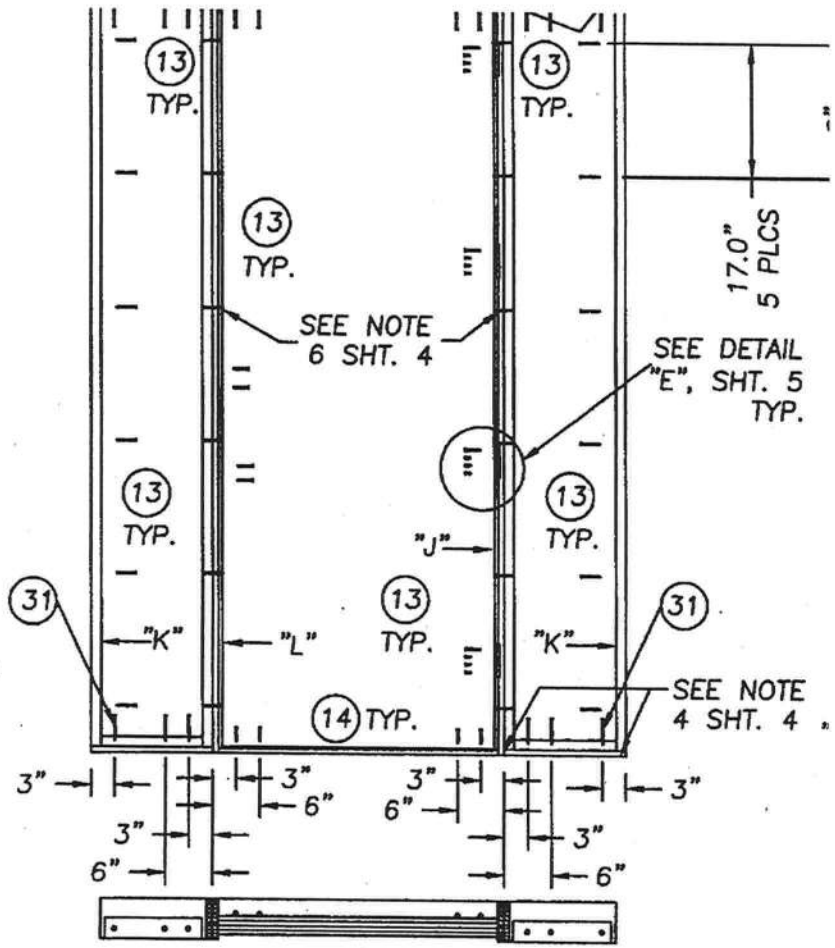


NOTE:
USE #8 x 2 1/2" PFH WOOD SCR
STRIKE AND DEADBOLT PLATES TO
ASTRAGAL EXCEPT IN THE MULLED
THE SIDELITE USE #8 x 2" PFH W

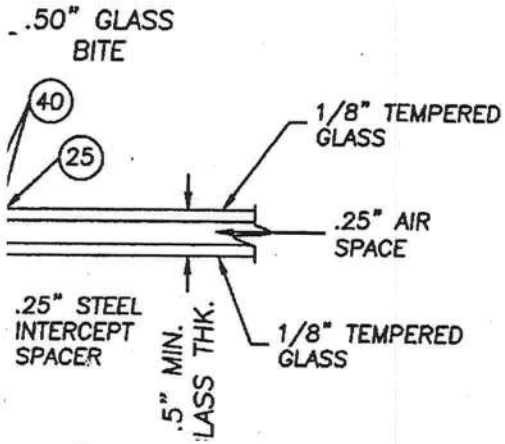


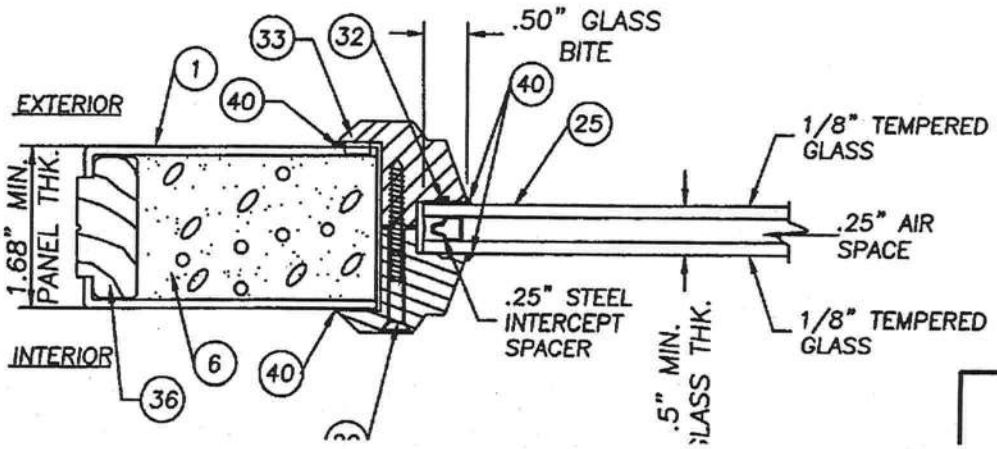
DOUBLE DOOR





SINGLE DOOR W/SIDELITES





.711

E

.246"

HOLD

ZONES"

.528"

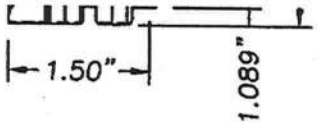
.03"

.246"

OUTSWING

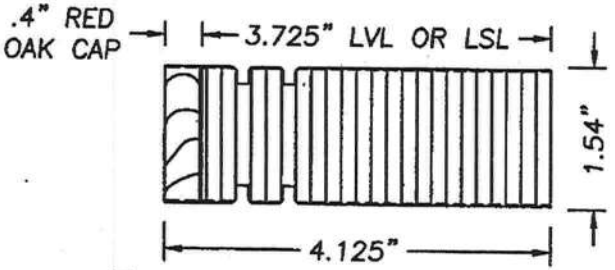
D THRESHOLD

IE ZONES"

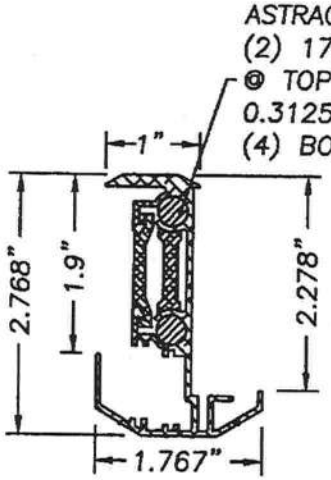


(4) HINGE SIDE STILE

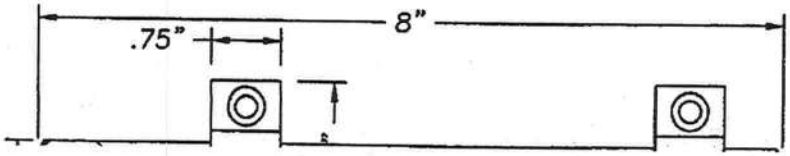
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

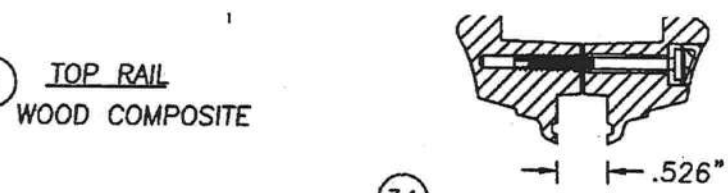


(3) LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP



(24) WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



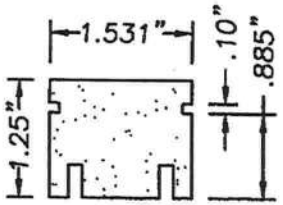


(34) PLASTIC LIP LITE FRAME
EXTRUDED SMC

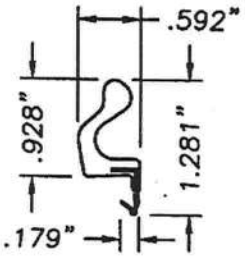
4.327"

(33) PI

(2) TOP RAIL
WOOD COMPOSITE

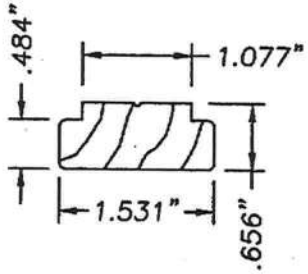


(5) BOTTOM RAIL
WOOD COMPOSITE

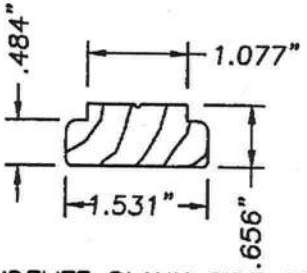


(8) LONG REACH COMPRESSION WEATHERSTRIP
FOAM CELL CORE
W/VINYL JACKET

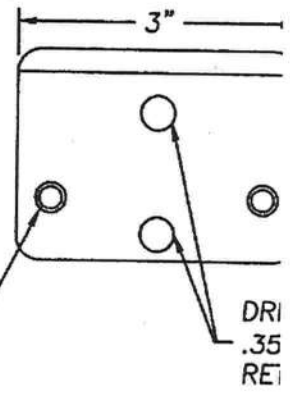
(7) COMPRES
BY
FOAM
W/



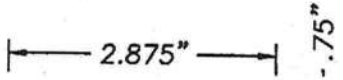
(42) SIDELITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE



(36) SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE



WINDJAMBER II WR80T



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 19-4S-17-08540-152 **Building permit No.** 000025837

Use Classification ADDITION FOR SFD **Fire:** 0.00

Permit Holder TROY UNDERHILL **Waste:**

Owner of Building DAVE & PHYLIS SHULL **Total:** 0.00

Location: 252 SW FERNDALE PLACE, LAKE CITY, FL

Date: 12/28/2007

COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS FLORIDA

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)