

Vinyl Music Hall

Contractor: Chastain and Company, LLC
3 West Garden St Ste 346, Pensacola Fl
Pensacola, FL 32502
Phone: (850) 287-5177

Sub-Contractor: Hanssen Glass Company, LLC.
7465 N. Palafox Street
Pensacola Fl. 32503
Phone: (850) 478-8222
Fax: (850) 478-8244

Date: 7/11/18

Exterior Storefront Doors & Frames

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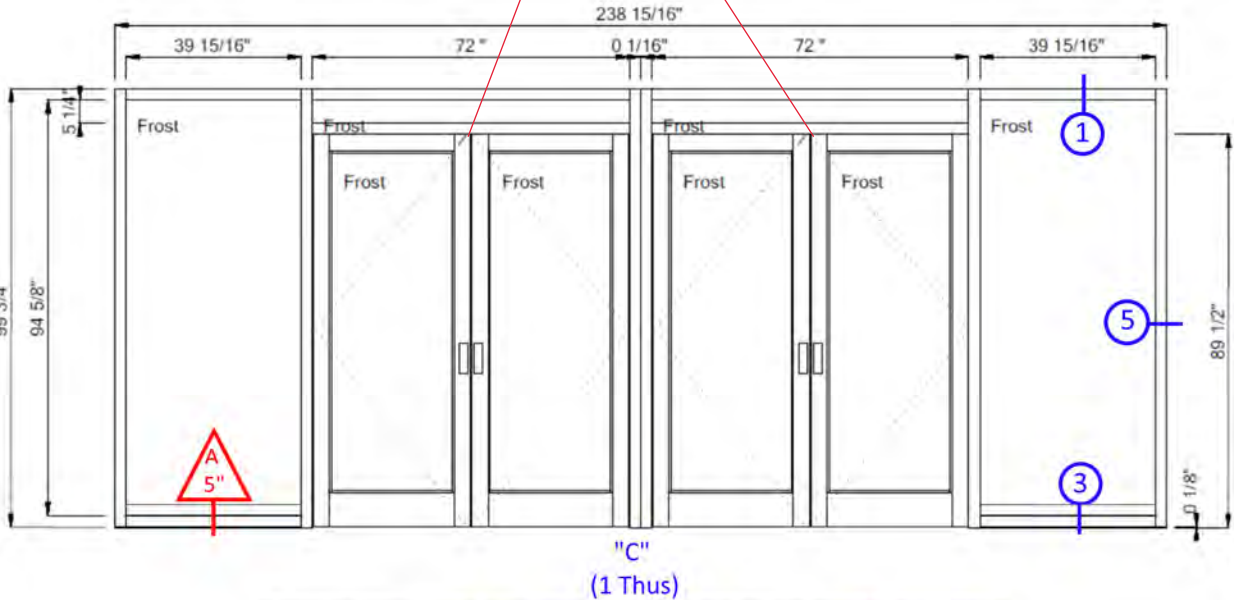
Vinyl Music Hall
Coral FL500 Impact Rated Storefront Framing
Coral MS 381 Medium Stile Entrance Doors
(Finish:TBD By Architect)
(Section Details for FL 500on Pages 5)

*Field Measure

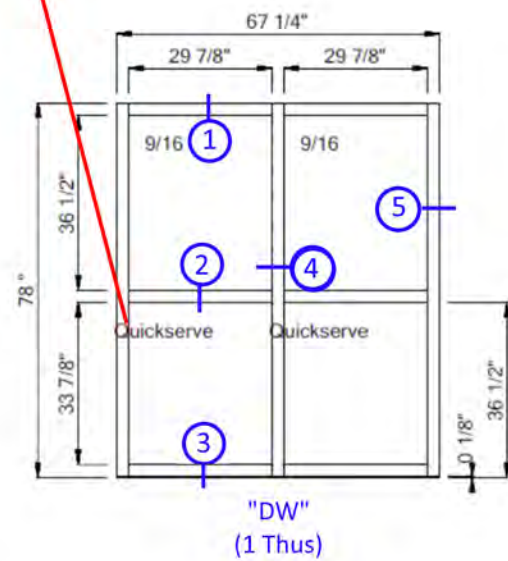
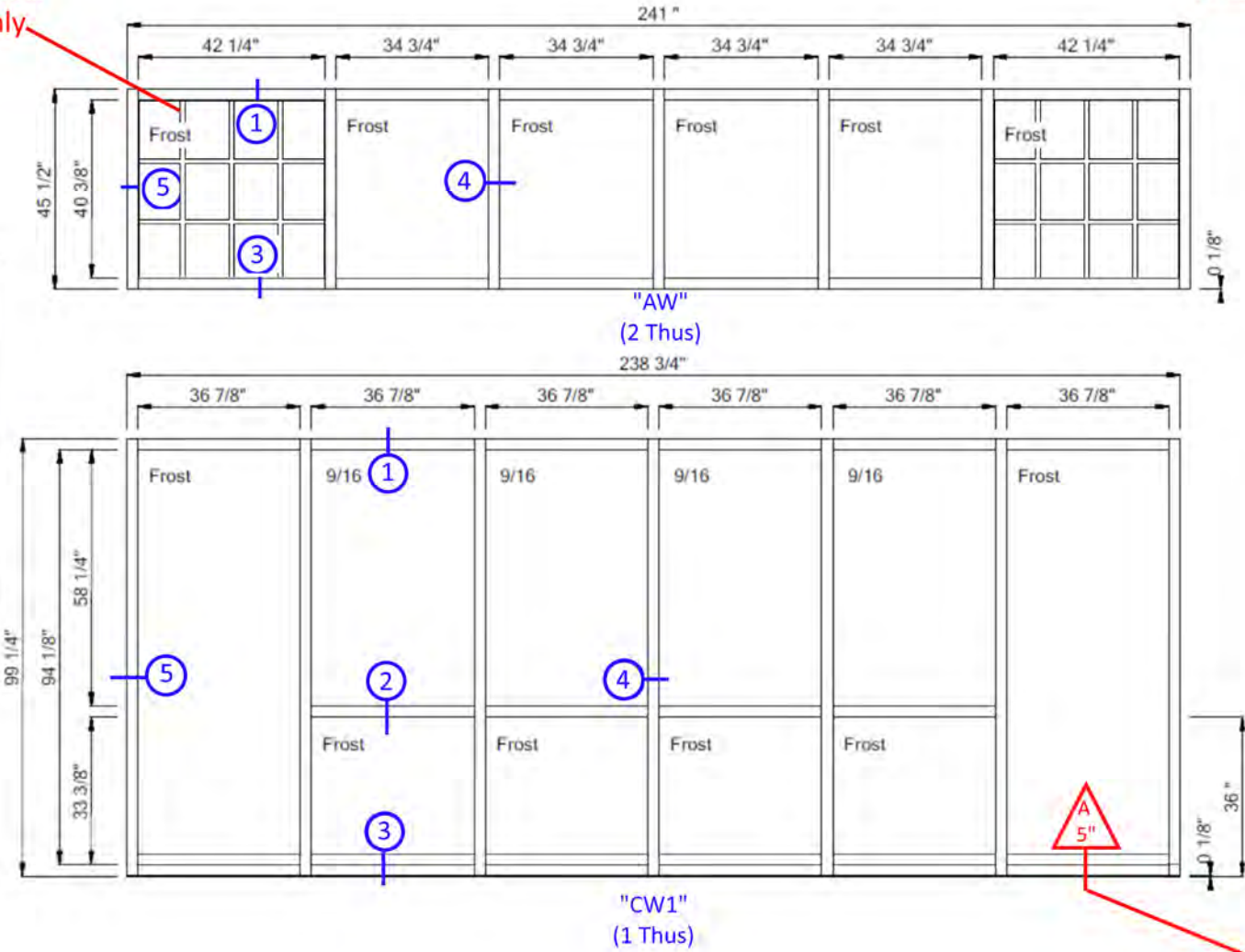
ARCH: Please confirm Which (2) Doors are to Get Panic Devices. The other (2) Doors will Receive Standard Push Pulls.

Applied Muntins
Exterior Only

ARCH PLEASE ADVISE OF QUICKSERVE LOCATION
CURRENTLY SCHEDULED @ 2' AFF

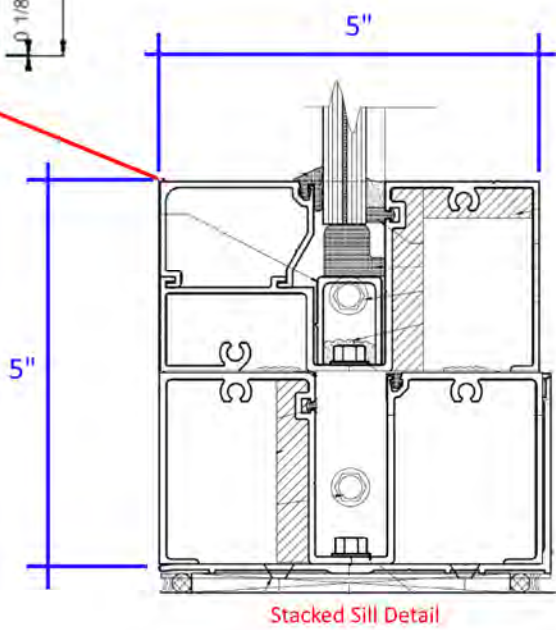


Door Size= 72" x 89 1/2"			Door Size= 36" x 89 1/2"		
Hardware	Type	Finish	Hardware	Type	Finish
Style	Medium	TBD	Style	Medium	TBD
Pivot/Hinge	Butts	TBD	Pivot/Hinge	Butts	TBD
Closer	Surface	TBD	Closer	Surface	TBD
Push/Pulls	Standard	TBD	Push/Pulls	Standard	TBD
Lock	3pt	TBD	Lock	3pt	TBD
Panic Device	Standard	TBD	Panic Device	Standard	TBD
Bottom Rail	8"	TBD	Bottom Rail	8"	TBD



9/16"
9/16" Clear / Clear Impact IG
9/16" Clear HS Lami (.090 PVB)
Frost
9/16" Clear / Clear Impact IG
9/16" Clear HS Lami (.090 Arctic Snow PVB)

NOTE:
- No Details of Construction were provided with these Drawings.
- Contractor Responsible for Waterproofing all Openings Prior to Storefront Installation.
-Arch Please advise of Color Selection.
Bronze Anodized - Coal Black - or Black



Hurricane Impact-Resistant GLAZING SYSTEM

FL500 Storefront System

- Design Pressure = +70/-80 PSF
- Water @ 15 PSF
- Air Infiltration at 6.24 PSF < .06 CFM

Extreme environmental conditions call for a glazing system equally extreme.

Coral's Hurricane Impact-Resistant Systems are designed to provide structural integrity under the intense demands of nature at its worst. Independent laboratory testing has proven our systems sound against impact and wind forces in excess of 178 MPH.

Prepare for the worst with the best!

FL500

STOREFRONT SYSTEM • 9/16"


FRONT LINE
ALUMINUM SYSTEMS

Coral
Architectural Products

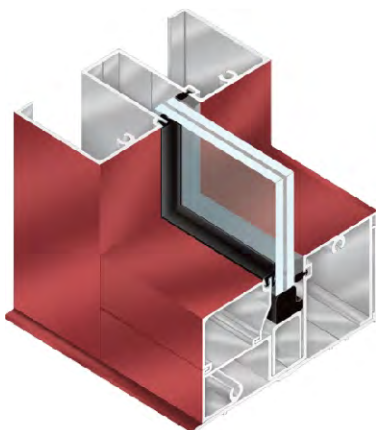


Hurricane Impact-Resistant GLAZING SYSTEM

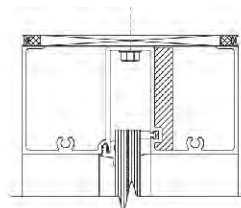
FL500

STOREFRONT SYSTEM • 9/16"

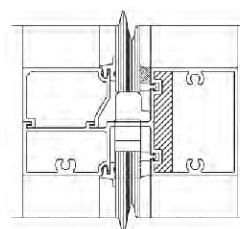
- 2-1/2" x 5" for 9/16" glazing infill
- Screw-spline joinery
- Hydraulic CoraPunch or drill jig fabrication options
- Heavy wall mullion option without steel
- Tested with and without steel reinforcement



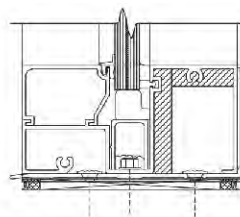
HEAD



HORIZONTAL



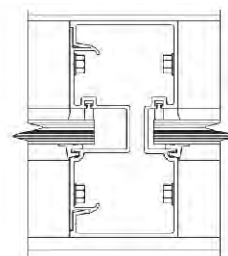
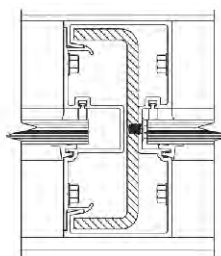
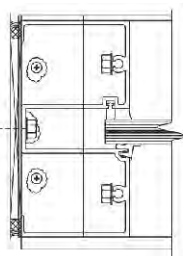
SILL



JAMB

VERTICAL STEEL REINFORCEMENT

VERTICAL



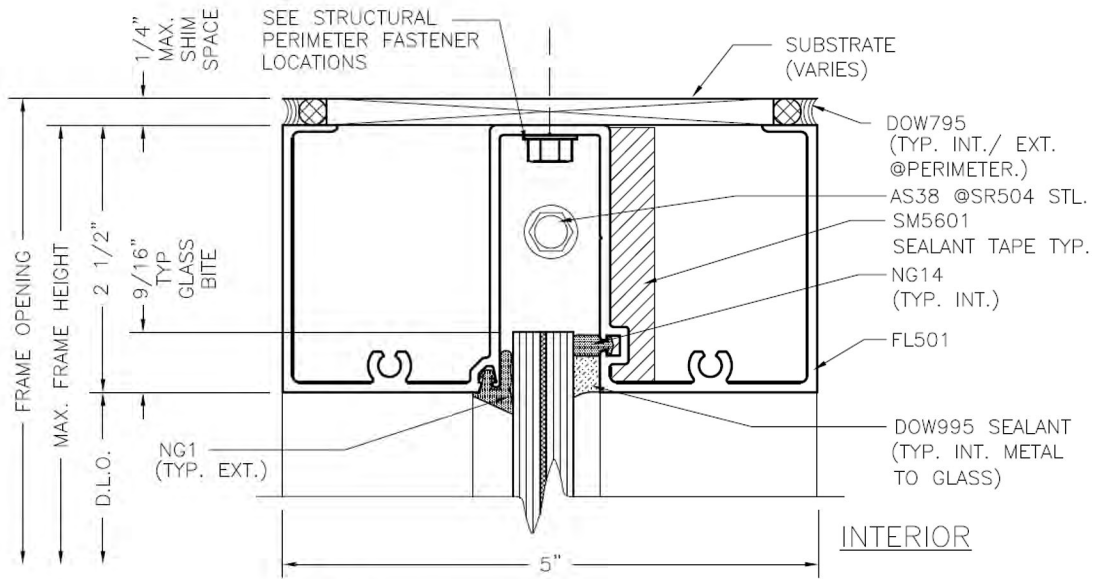

FRONT LINE
ALUMINUM SYSTEMS

Coral

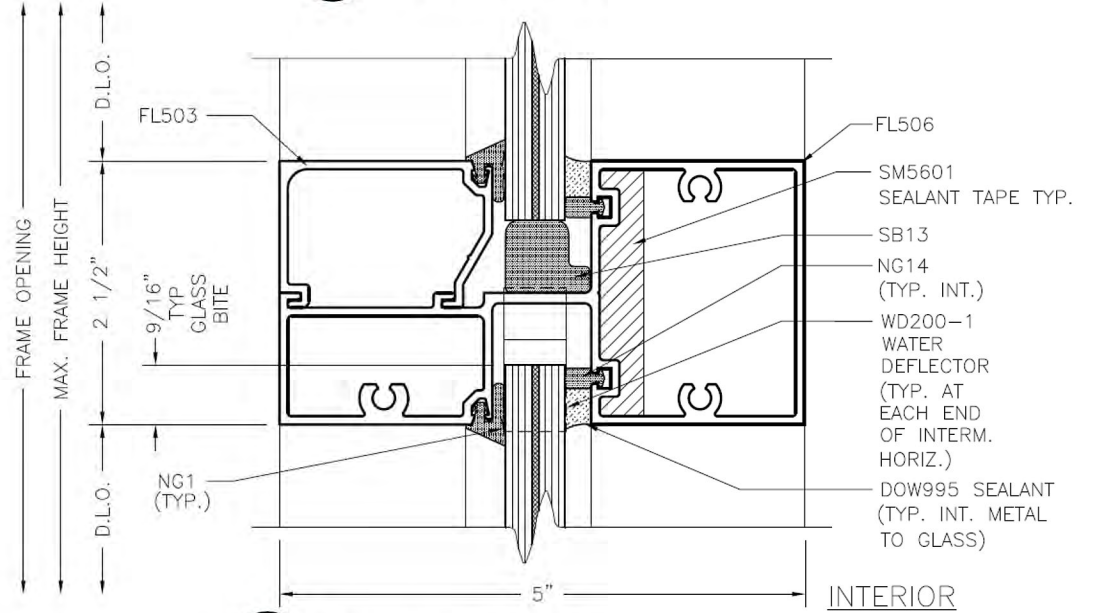
■ Architectural Products ■

3010 Rice Mine Road ■ Tuscaloosa, AL 35406
1.800.772.7737 ■ Fax 1.800.443.6261 ■ www.coralind.com

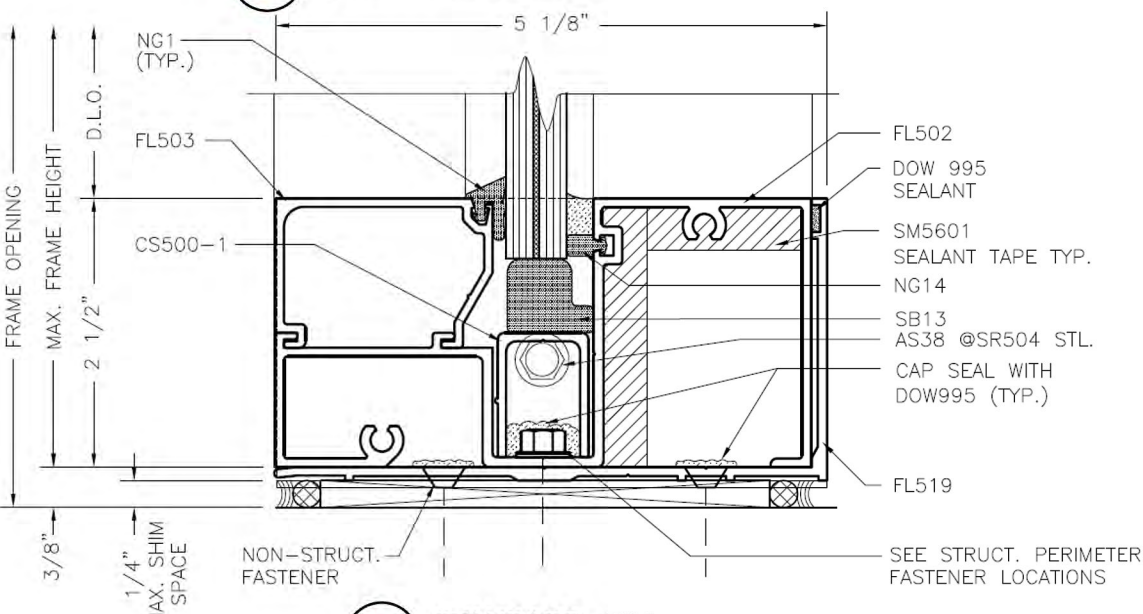
Coral FL500 Storefront Details



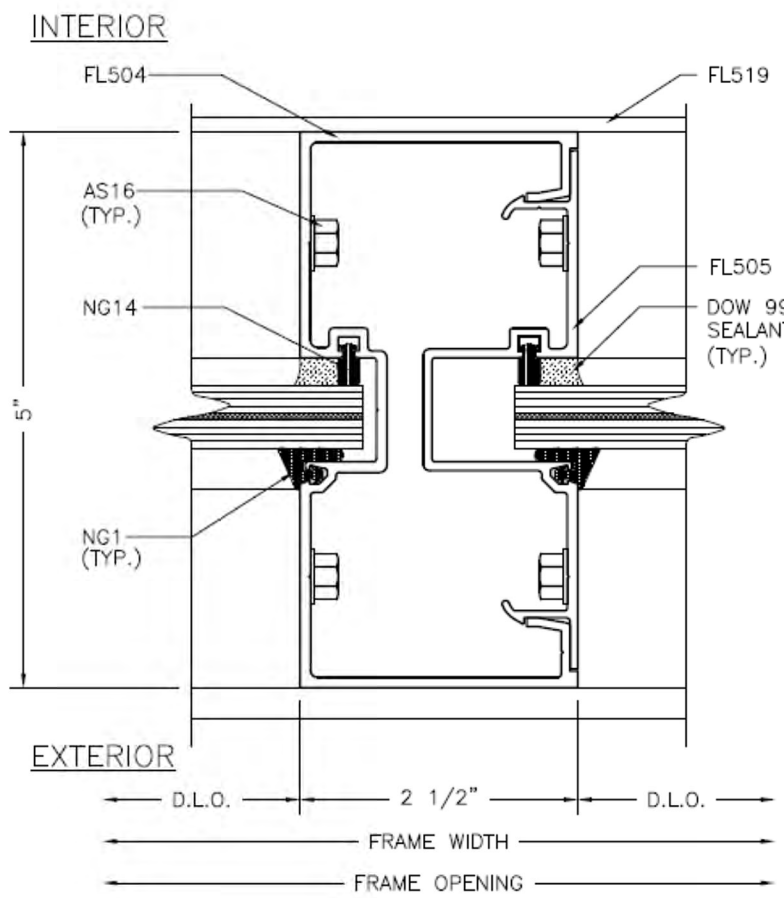
1 STANDARD HEAD



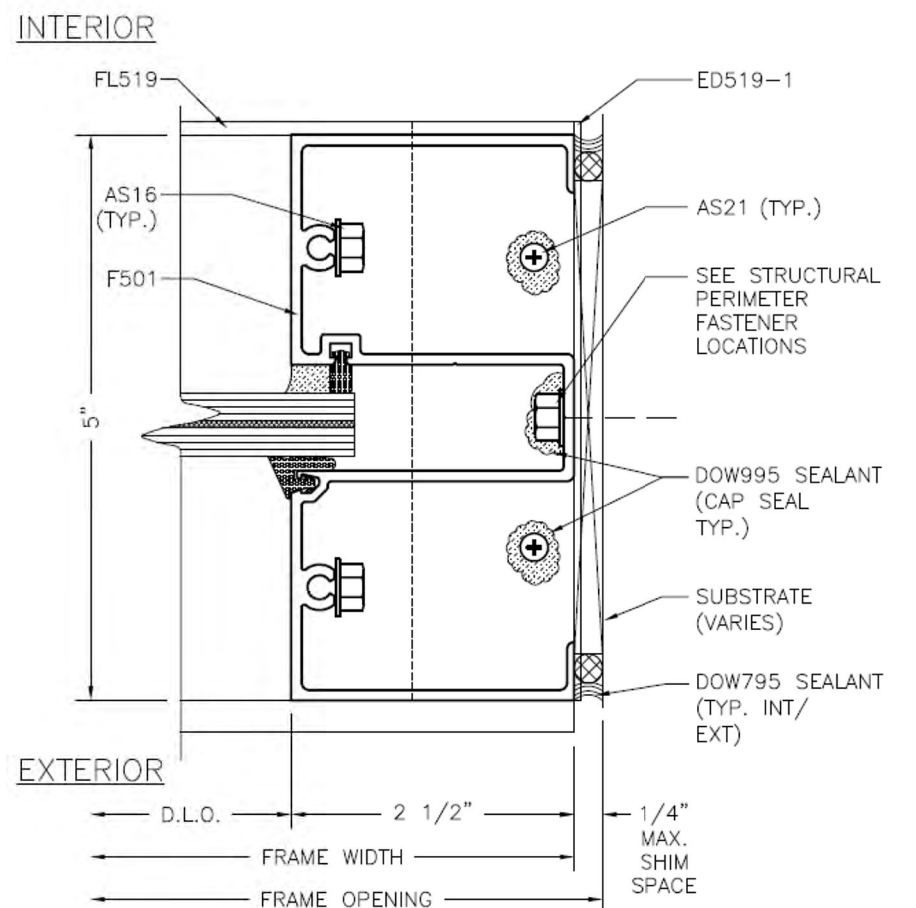
2 STANDARD HORIZ. MULLION



3 STANDARD SILL



4 STANDARD VERT. MULLION



5 WALL JAMB

Make-up Name	Make-up Icon	Outboard Substrate & Coating	Inboard Substrate & Coating	Transmittance			Reflectance			U-Value		Relative Heat Gain (RHG)	Shading Coefficient (sc)	Solar Heat Gain Coefficient (SHGC)	Thermal Stress	Sound Transmission Class (STC)
				Visible (τ _V %)	UV (τ _{UV} %)	Solar (τ _e %)	Visible		Solar	Winter Night	Summer Day					
							ρ _V % out	ρ _V % in	ρ _e % out							
Default Make-up 01		Clear (North America)	Clear (North America)	86	0	63	8	8	6	0.94	0.85	179	0.84	0.72	Go	N/A

Calculation Standard: NFRC 2010

Default Make-up 01

Outdoors										Thermal Stress Guideline (°F)	
LITE	Clear (North America)				#1 -----					Go	
	Thickness = 1/4" = 6mm				#2 -----					114.3	
PVB	0.090" (2.29mm) Saflex® R series Clear PVB										
LITE	Clear (North America)				#3 -----					Go	
	Thickness = 1/4" = 6mm				#4 -----					112.0	
Total Unit = 0.532 in / 13.513 mm					Slope = 90°						
Indoors											

Important Notes

Calculations and terms in this report are based on NFRC 2010. The performance values shown above represent **NOMINAL VALUES** for the center of glass with no spacer system or framing. Slight variations may occur due to manufacturing tolerances, point of manufacture, and type of instrumentation used to measure the optical properties.

For configurations which include ceramic frit coating, the actual values may vary significantly based upon the thickness and composition of the frit. For configurations with diffuse optical properties the solar transmission is per ASTM 1084-86. For configurations with coatings laminated facing the PVB, there may be a noticeable color change. Guardian recommends that a full size mock-up be approved.

Please note that the **THERMAL STRESS GUIDELINE** is only a rough reference to the thermal safety of a glazing. Other factors such as the size of glass areas, shapes and patterns, glass thickness, glass damaged during shipping, handling or installation, orientation of the building, exterior shading, overhangs/fins that reduce wind speed, and areas with high daily temperature fluctuations can all increase the probability of thermal breakage. The results shown are not for any specific glazing installation and do not constitute a warranty against glass breakage.

Explanation of Terms

% Transmittance Visible is the percentage of visible light at normal incidence (90° to surface) directly transmitted through the glass. Visible Light is defined as radiant energy in the wavelength range of 380 nm to 780 nm with Ill. D65 and CIE 2° observer

% Ultraviolet (UV) Transmittance is the percentage of ultraviolet light at normal incidence (90° to surface) directly transmitted through the glass. Ultraviolet Light is defined as radiant energy from the sun having a wavelength range of 300 nm to 380 nm at ASTM air mass of 1.5

% Solar Energy Direct Transmittance is the percentage of solar energy at normal incidence (90° to surface) directly transmitted through the glass. Solar Energy is the radiant energy from the sun having a wavelength range of 300 nm to 2500 nm at ASTM air mass of 1.5.

% Reflectance Visible Outdoors is the percentage of visible light at normal incidence directly reflected from the glass back outdoors

% Reflectance Visible Indoors is the percentage of visible light at normal incidence directly reflected from the glass back indoors

% Solar Energy Reflected Outdoors is the percentage of solar energy at normal incidence directly reflected from the glass back outdoors

Hanssen Glass

Make-up Name	Make-up Icon	Transmittance			Reflectance			U-Value		Relative Heat Gain (RHG)	Shading Coefficient (sc)	Solar Heat Gain Coefficient (SHGC)	Thermal Stress (COG) °F/C	Sound Transmission Class (STC)
		Visible (τ _v %)	UV (τ _{UV} %)	Solar (τ _e %)	Visible		Solar	Winter Night (Btu/hr-ft²·F)	Summer Day (Btu/hr-ft²·F)					
					ρ _V % out	ρ _V % in	ρ _E % out							
Default Make-up 01		61	0	48	13	12	10	0.93	0.85	152	0.70	0.61	Go	N/A

Calculation Standard: NFRC 2010

Default Make-up 01

Outdoors

GLASS 1	Clear (North America)	#1 -----
	Thickness = 1/4" = 6mm	#2 -----
INTERLAYER 1	0.015" (0.38 mm) Medium White PVB	
INTERLAYER 2	0.015" (0.38mm) Saflex® R Clear PVB	
INTERLAYER 3	0.060" (1.52mm) Saflex® R Clear PVB	
GLASS 2	Clear (North America)	#3 -----
	Thickness = 1/4" = 6mm	#4 -----
Total Unit (Nominal) = 19/32 in / 14.286 mm		Slope = 90°
Estimated Nominal Glazing Weight: 6.25 lb/ft²		Window Height = 1 meter

Indoors

Important Notes

The performance values shown above represent NOMINAL VALUES for the center of glass with no spacer system or framing. Slight variations may occur due to manufacturing tolerances, point of manufacture, and type of instrumentation used to measure the optical properties. For configurations that include non-specular (diffuse) components, performance results cannot be verified and should only be used as a general indication of performance. For configurations which include ceramic frit coating, the actual values may vary significantly based upon the thickness and composition of the frit. For configurations with coatings laminated facing the PVB, there may be a noticeable color change. Guardian recommends a full size mock-up be approved. Calculations and terms in this report are based on NFRC 2010.

Please note that the THERMAL STRESS GUIDELINE is only a rough reference to the thermal safety of a glazing. Other factors such as the size of glass areas, shapes and patterns, glass thickness, glass damaged during shipping, handling or installation, orientation of the building, exterior shading, overhangs/fins that reduce wind speed, and areas with high daily temperature fluctuations can all increase the probability of thermal breakage. The results shown are not for any specific glazing installation and do not constitute a warranty against glass breakage.

Explanation of Terms

% Transmittance Visible or Light Transmittance (τ_v %) is the percentage of visible light at normal incidence (90° to surface) that is transmitted by the glass.

% Ultraviolet (UV) Transmittance (τ_{UV} %) is the percentage of ultraviolet light at normal incidence directly transmitted by the glass. Ultraviolet Light is defined as radiant energy from the sun having a wavelength range of 300 nm to 380 nm.

% Solar Energy Direct Transmittance (τ_e %) is the percentage of solar energy at normal incidence directly transmitted by the glass. Solar Energy is the radiant energy from the sun having a wavelength range of 300 nm to 2500 nm.

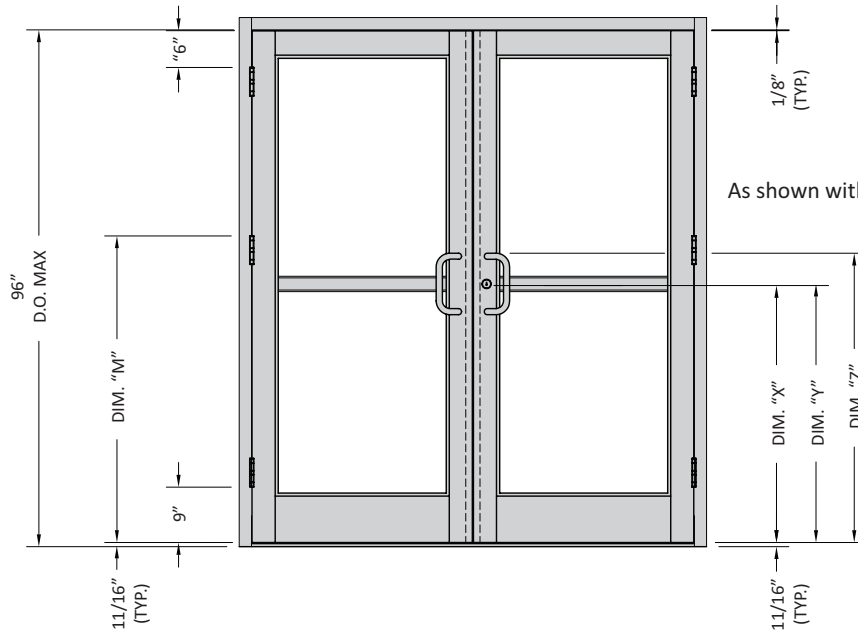
% Reflectance Visible Outdoors or Light Reflectance Out (ρ_v % out) is the percentage of visible light at normal incidence directly reflected by the glass back outdoors.

% Reflectance Visible Indoors or Light Reflectance In (ρ_v % in) is the percentage of visible light at normal incidence directly

Impact-Resistant Entrances

Series 381 Medium Stile

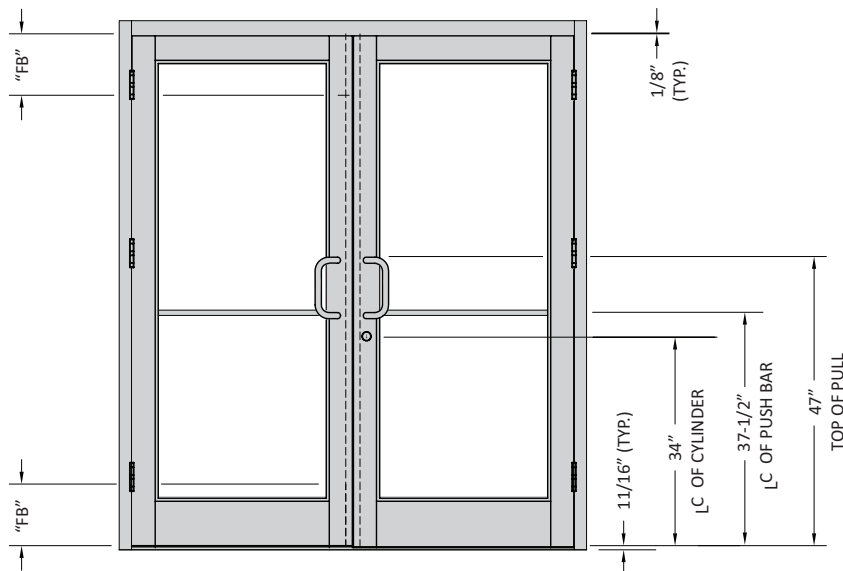
Hardware and Hinge Locations



INTERMEDIATE HINGE	
D.O. HEIGHT	DIM. "M"
	BUTT HUNG
84"	45 ¹¹ / ₃₂ "
96"	51 ¹¹ / ₃₂ "

Note: All doors require an intermediate hinge.

HARDWARE LOCATIONS FOR PANIC DOORS				
MANUFACTURER	PANIC DEVICE	DIM "X" CL OF CYLINDER	DIM "Y" CL OF PANIC	DIM "Z" TOP OF PULL
JACKSON	2086 C.V.R.	37 ⁷ / ₈ "	38 ⁵ / ₃₂ "	42 ⁷ / ₈ "
FIRST CHOICE	3692 C.V.R.	41 ⁹ / ₁₆ "	40 ⁵ / ₈ "	46 ⁹ / ₁₆ "



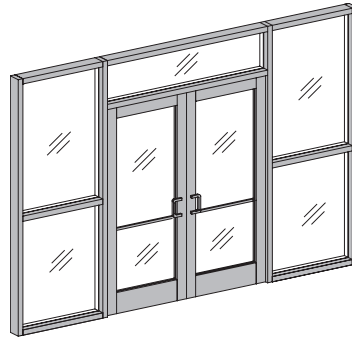
Impact-Resistant Entrances

Series 381 Medium Stile

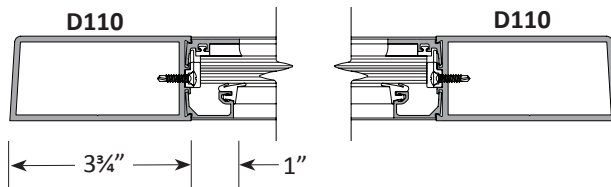
Standard Details - Single Acting Wet Glazed
Scale: 3" = 1'-0"



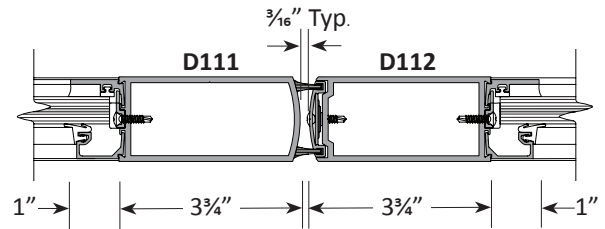
Single Door



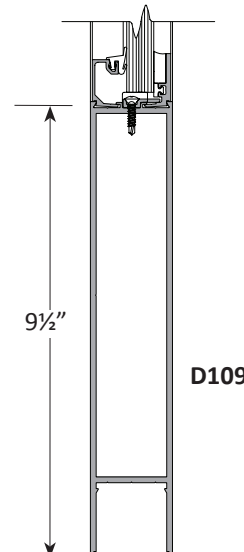
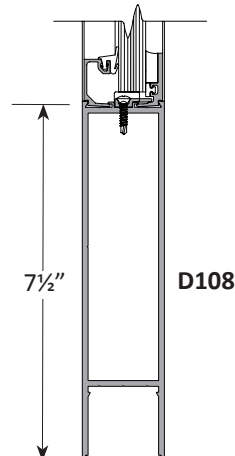
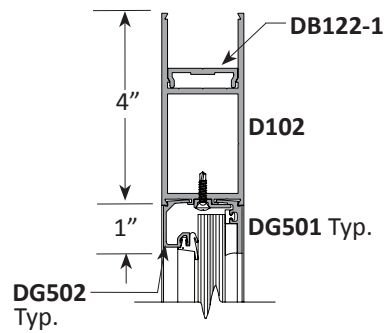
Pair of Doors



Single Door



Meeting stiles for door pair



Impact-Resistant Entrances

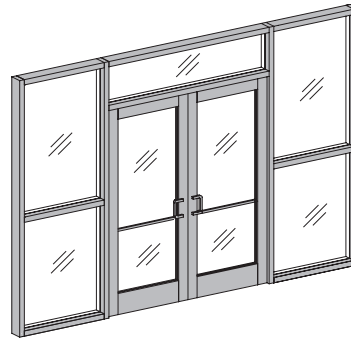
Series 381 Medium Stile

Standard Details - Single Acting Dry Glazed

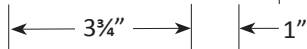
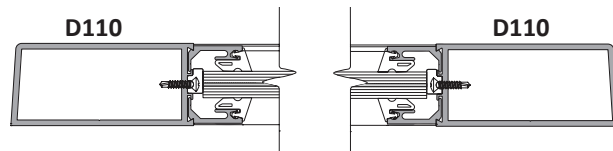
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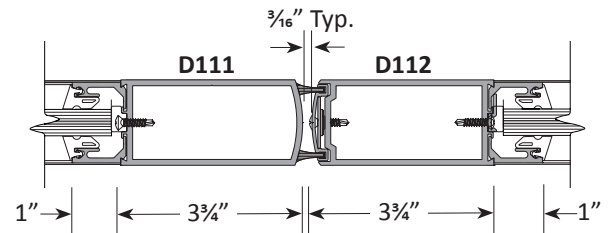
Single Door



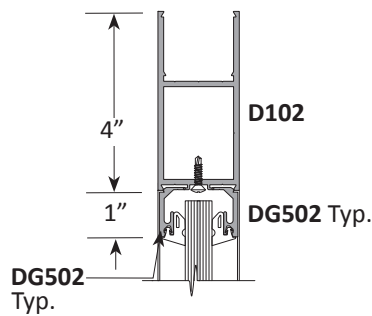
Pair of Doors



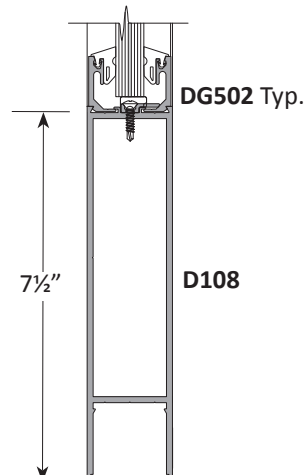
Single Door



Meeting stiles for door pair



DG502 Typ.

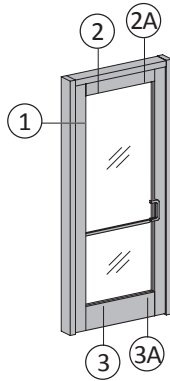


Impact-Resistant Entrances

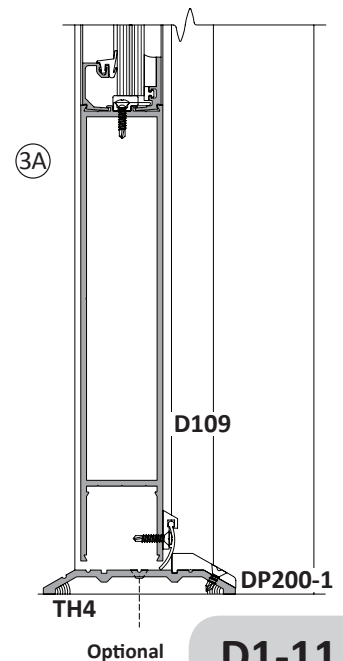
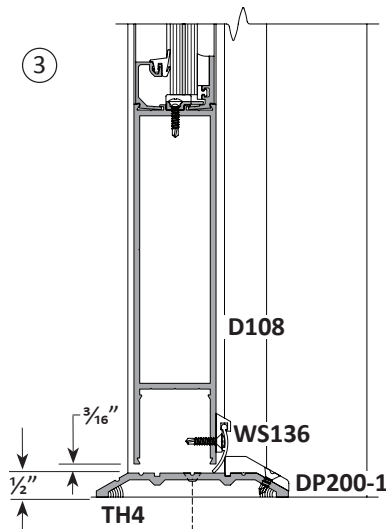
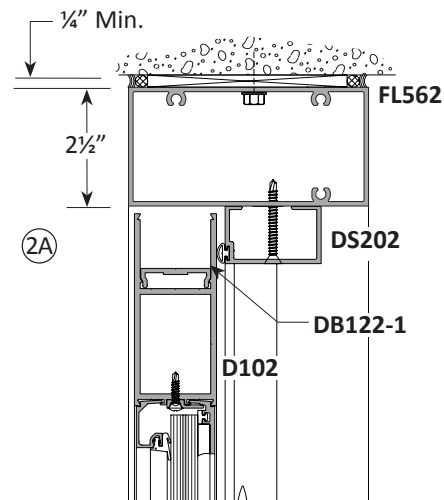
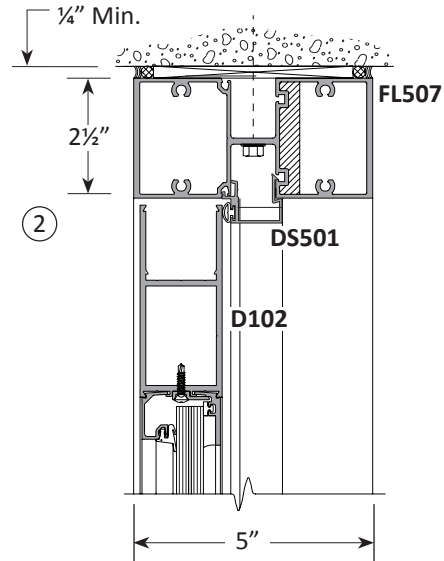
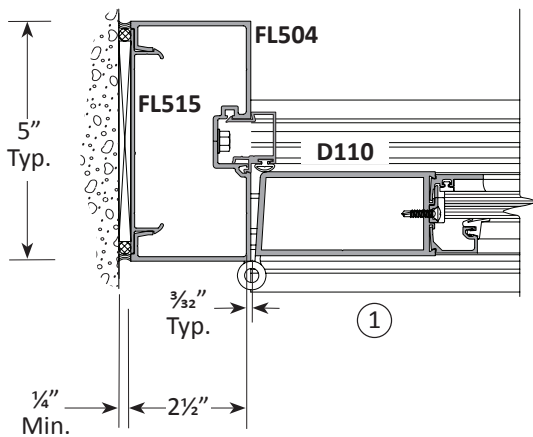
Series 381 Medium Stile

Entrance Framing - Non-Transom

Scale: 3" = 1'-0"



**Single Acting Doors
Non-Transom Frame**



D1-11

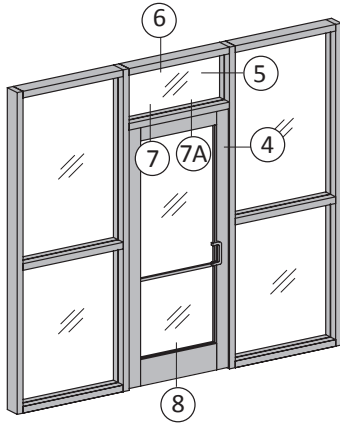
Division 8

Impact-Resistant Entrances

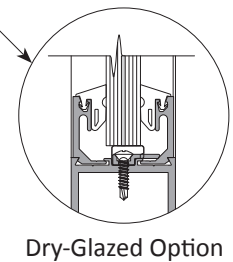
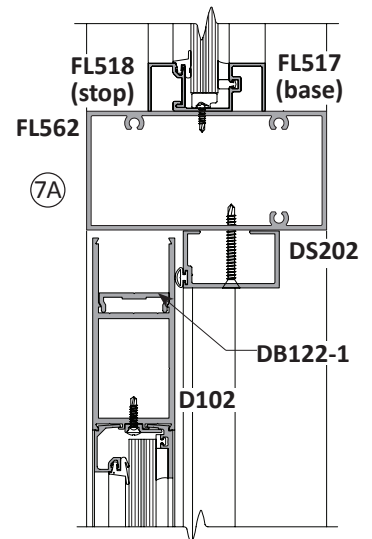
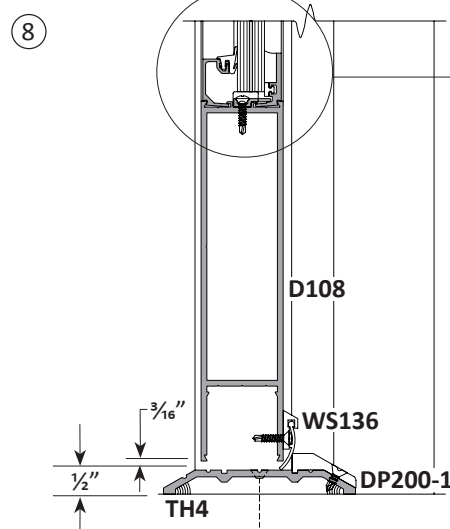
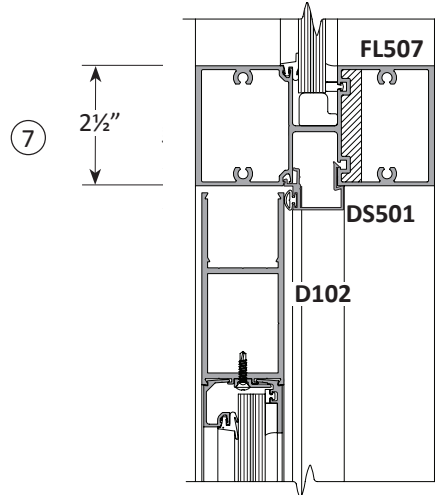
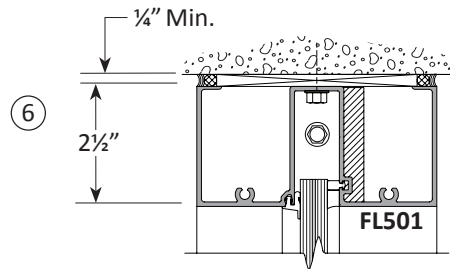
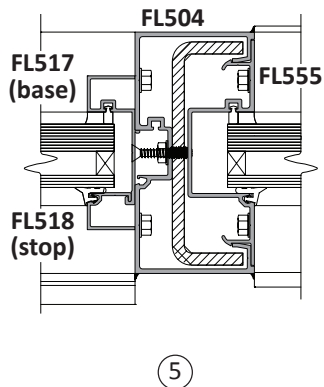
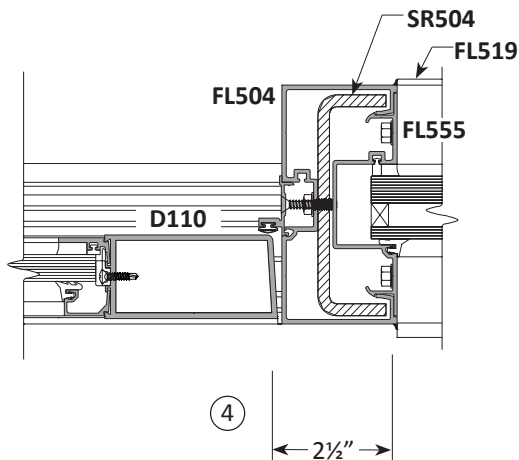
Series 381 Medium Stile

Entrance Framing - Single Acting with Transom

Scale: 3" = 1'-0"

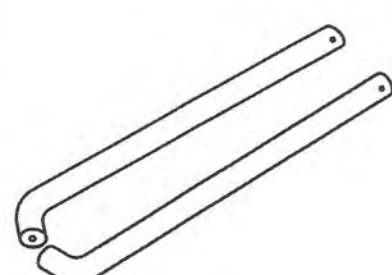


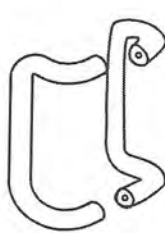
**Single Acting Doors
with Transom Frame**





ITEM	DESCRIPTION	P/N	#10 CLEAR	#27 BRONZE
TRADITIONAL 	Traditional PH401 & PB401 Wire Push/Pull Substituted in Lieu of Classic for Offset Hung Doors			
DH4036	For 36" Door	DM011	\$30.00	\$43.00
DH4042	For 42" Door	DM012	\$36.00	\$44.00

ITEM	DESCRIPTION	P/N	#10 CLEAR	#27 BRONZE
TRADITIONAL 	Two Traditional PB401 Wire Push Bars Mounted Back to Back for Center Pivoted Doors			
DH4136	For 36" Door	DM013	\$37.00	\$48.00
DH4142	For 42" Door	DM014	\$42.00	\$49.00

ITEM	DESCRIPTION	P/N	#10 CLEAR	#27 BRONZE
TRADITIONAL 	Two 10" PH401 Traditional Wire Pull Handles Mounted Back to Back In Lieu of Classic Push/Pull			
	Door Prep	\$47.00		
DH42		DM015	\$21.00	\$34.00



Surface Closers

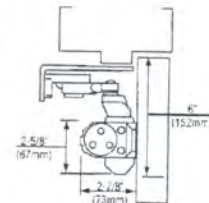
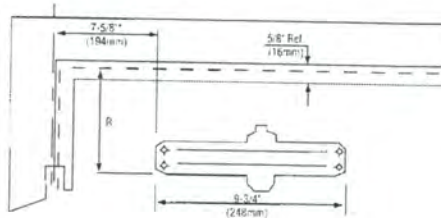
Precision Architectural Closers are designed for heavy duty commercial use. With an adjustable power tension, these closers can handle the lightest ADA Compliant jobs, to the heavy high traffic applications. Our closers only come in Grade 1 and have been tested to exceed 2 million cycles.



615RWPA

The industry's most popular hole pattern, the 615 is the most diverse 9-1/16" closer on the market. It provides adjustments for Sweep, Back Check, Latch and also an Adjustable spring tension of 1-5.

- Grade 1 ANSI A156.4
- Meets and exceeds ADA requirements ANSI 117.1
- Tri Packed
- Adjustable Back check sweep and latching speeds
- Power Adjustable 1-5
- Self-Drilling screws
- Cover included
- UL Listed
- 9-1/16" x 3/4" Hole Pattern
- Lifetime warranty

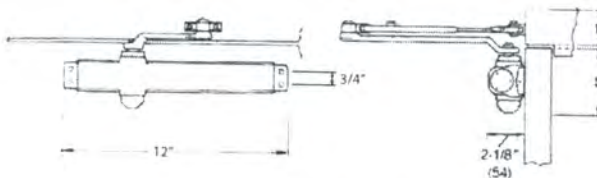


816RWPA

816RWPA-689, 816RWPA-695

Our Slim-line closer is one we most recommend for your inventory. Fully adjustable and with all the bells and whistles, this closer will work for almost any door situation.

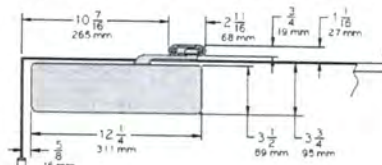
- Grade 1 ANSI A156.4
- Meets and exceeds ADA requirements ANSI 117.1
- Tri Packed
- Adjustable Back check sweep and latching speeds
- Power Adjustable 1-6
- Self-Drilling screws
- Slim Line Cover included
- UL Listed
- 12" x 3/4" Hole Pattern
- Lifetime Warranty



416RWPA

One of the most reliable cast iron closers on the market; we recommend this closer be used in medium to high traffic scenarios. Our 416 comes fully adjustable and will service the heaviest of doors, down to ADA Compliance.

- Grade 1 ANSI A156.4
- Cast Iron
- Meets and exceeds ADA requirements ANSI 117.1
- Tri Packed
- Adjustable Back check sweep and latching speeds
- Power Adjustable 1-6
- Self-Drilling screws
- Full Line Cover included
- UL Listed
- Lifetime Warranty



Butt Hinges

Butt Hinge - IL-45 Series

Dimensions: 4.5" x 4" x .134" (114.3 mm x 101.6 mm x 3.4 mm)

- Non-corrosive stainless steel
- Non-removable pin (prevents removal when door is in closed position)
- Zero swagged with 1/4" radius corner
- Available finishes: Clear, Dark Bronze
- Single packs include machine and wood screws (2/box), Bulk packs include machine screws only (30/box)

IL-4540NRP2BB-AL Single pack, Clear (32D)

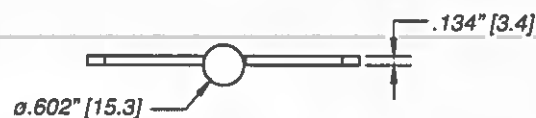
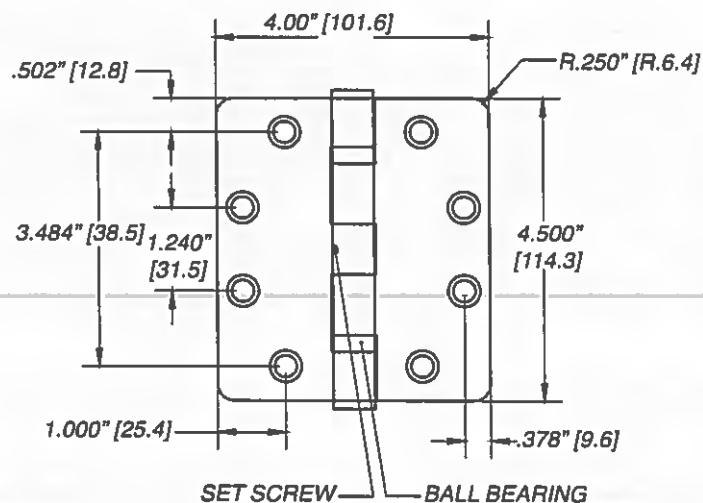
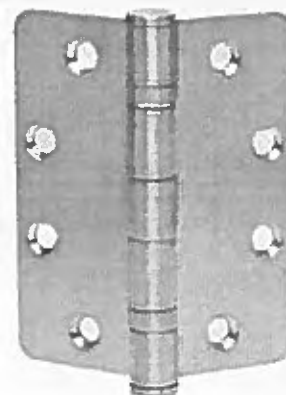
IL-4540BBNRP-AL BULK Bulk pack, Clear (32D)

IL-4540NRP2BB-DU Single pack, Dark Bronze

IL-4540BBNRP-DU BULK Bulk pack, Dark Bronze

Back Up Plate

IL4-BP-H Back up plate



ILCO

3700 Series

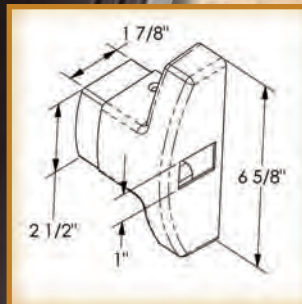
Rim Latching Exit Device

Packaging powerful security into a compact size, the 3700 can be mounted on doors with stiles as narrow as 2" and includes a 1" forged steel latch bolt. Non-handed and available for doors up to 4 feet, the 3700 is a convenient solution for demanding, busy traffic conditions.

These durable devices are ANSI Grade I (500,000 cycles) and UL Listed. Striking anodized finishes are accented with high performance coatings on solid metal end clips.

Series 3700 Rim Latching Exit Device Specification

Exit Device shall be First Choice Building Products series 3700 Rim Latching Narrow Stile model utilizing a low profile touch bar projecting less than three inches (3") from the face of the door. The device shall use 1" hardened steel latch bolt engaging a frame mounted stainless steel roller strike. The device shall be active the full length between door stiles and mount to the door using metal covers and end caps and require no more than 2" width of door stile. The device push bar and base shall be 6063, T-6 hardened aluminum in anodized finishes. The device shall be capable of operation by external key cylinder with Night Latch or Hold Back settings. The device shall be capable of disengagement by single point, quarter turn dogging.



3700 Series

Rim Latching Exit Device

Accessories



For secure access, the simple cam-drive Rim Cylinder Kit available in Night Latch (always locked when key is removed) or Hold Back (can be left unlatched after key is removed).



Easily mounted, the heavy duty rim strike kit includes a precision cast spacer for a variety of frame stop configurations.

Series 300 Security Mullions

The ultimate security partner for the 3700 Rim devices, these removable mullions are made from steel-reinforced aluminum. A simple removal system for easy in, easy out convenience and matching anodized finishes make them the right choice for pair-of-doors applications.

Easily cut for a perfect field fit, these mullions come with heavy duty strikes and are available in sizes up to 9 feet.

Product Warranty

First Choice warrants that products manufactured by us will be free of defects in material and workmanship for a period of two years from date of invoice.



Electric Latch Retraction

EL is available on First Choice model 3790 vertical rod devices.

These devices are equipped with heavy duty, 24vDC solenoids suitable for high traffic conditions and capable of extended periods of activation.



Your Answer for Exit Alarm Requirements

The AL37 Series alarm kits are designed to fit inside the push bars of the 3700 Rim exit device. The mechanism is designed for the rigorous requirements of exit hardware.

A powerful alarm emits a piercing, 105db, notification of unauthorized egress to protect persons and property. Automatic resetting means the door will remain protected at all times.

The sophisticated circuitry of the AL37 provides up to 12 months of standby power or 100 alarm cycles from a standard 9v battery. Battery monitoring is constant and a low charge signal is provided to make it easy to maintain.



Interior Cylinder Dogging

The CD37 cylinder dogging function is available for 3700 Rim exit devices and eliminates the need for special hex keys to put the device into hold open mode.

The CD37 accepts standard Rim Type key cylinders which can be changed in the field. Just a quarter turn by key and the exit device is dogged open for unrestricted access.

Thumb-turn cylinders are also available for keyless dogging.



Series L3 Levers

Utilizing a unique gear system these levers will operate with the 3700 Rim device.

Manual levers can be set for both Hold Back or Night Latch. All levers are designed for most common mortise cylinders. A security collar is included.

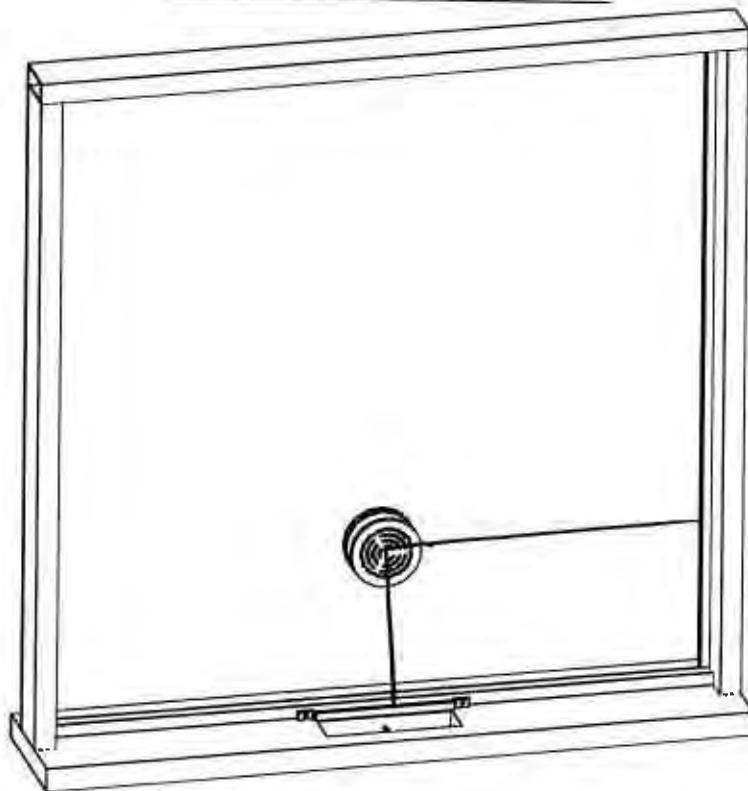
The electric levers are low voltage and can be operated by remote devices such as card readers, code key devices and remote mounted switches. Power requirements are 24v DC with easy hook up at the lever. Available in painted finishes to match clear and dark bronze anodized.



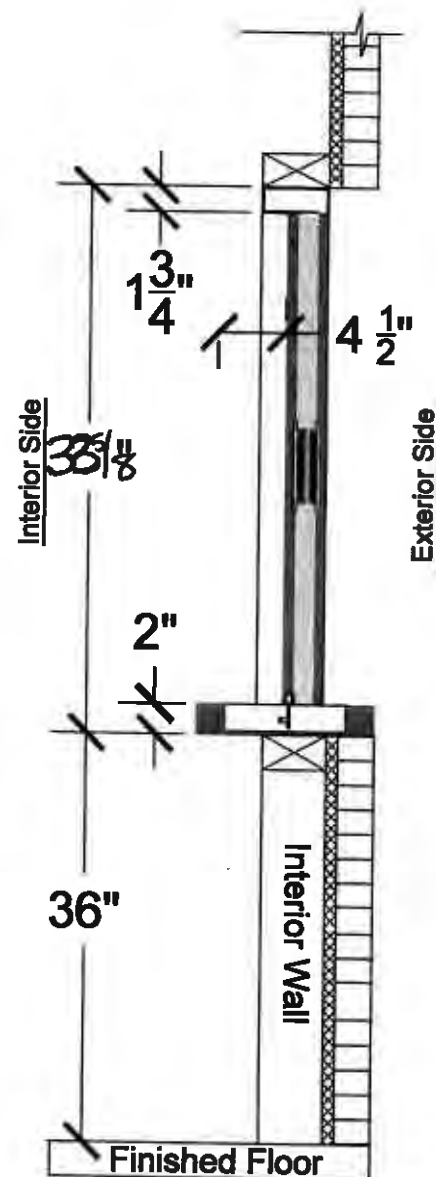
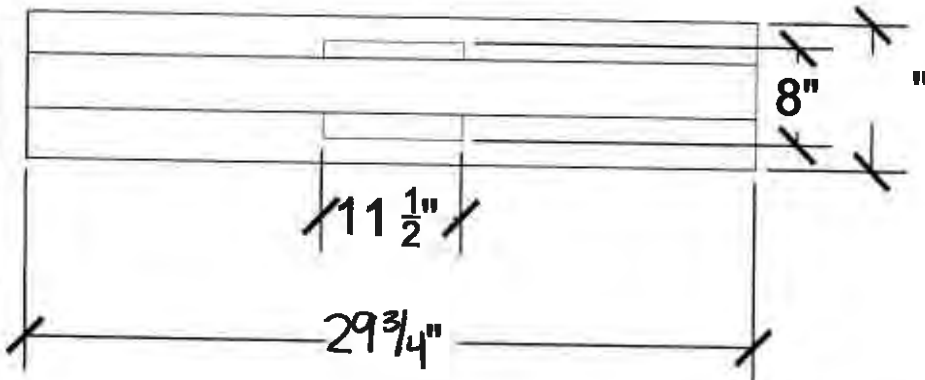
Ticket Window

Side View

QUIKSERV
WE PUT MORE IN - YOU GET MORE OUT



Top View



PLEASE SELECT:

1. GLAZING:

☐ 1/4" Tempered ☐ 5/8" Insulated ☐ B.R.

☒ Other: **IMPACT**

2. B.R. LEVEL (IF SELECTED):

☐ Level I ☐ Level III

☐ Other:

3. DEAL TRAY TYPE:

☐ Non Ricochet (B.R.) ☐ Ricochet (Non B.R.)

4. FRAMING:

☒ Aluminum ☐ Stainless Steel

☒ UL Rated Framing (Loaded Aluminum)

5. COLOR OF ALUM. (IF SELECTED):

☐ Clear Anodized ☐ Dark Bronze

☐ Other:

6. SPEAKER:

☐ 6" B.R. Speak Tube ☒ 3.5" Non B.R. Speak Tube

☐ Speak Around ☐ (SC-100L) Amplified

Key Notes

Unit:
TICKET WINDOW

Actual Dimension:
29 3/4" W X 33 5/8" H

Rough Opening:
30 1/8" W X 34" H

Engineer Notes

Date drawn: 7/31/2017

Scale: NTS

Drawn by: C.S.

File name: Custom TWB.dwg

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SIGNATURE:

DATE:

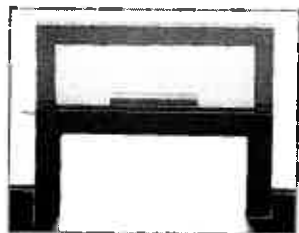
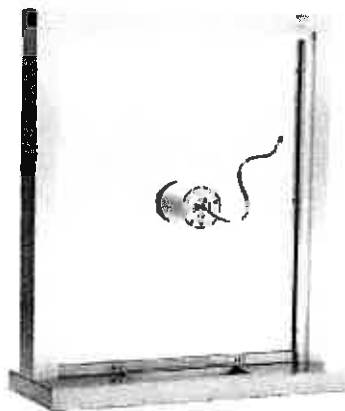
17

TICKET WINDOWS

BULLET RESISTANT & NON-BULLET RESISTANT



T1-2436S



VARIOUS SIZES AVAILABLE

STANDARD FEATURES

- Shipped fully-assembled and ready to install
- Warranty backed with Nationwide Service Centers
- Dark bronze or clear anodized aluminum
- Corrosion resistant material: anodized aluminum and #304-#3 finish stainless steel
- Constructed with high visibility bullet resistant materials (Level 1)
- QuikServ security sheet (level 1, 2 or 3)
- Stainless steel flip lid built into deal tray

OPTIONAL FEATURES

- Custom colors available
- Various glazing options (B/R, Insulated, Tinted, etc)
- 1/4" tempered safety glass with or without speak-thru
- Amplified speak-thru
- Stainless steel framing
- Slide-up service openings

SECURITY EXCHANGE / TICKET WINDOWS

Models T1-2436S (shown), T1-3036 and T1-3636 are designed with security in mind. Used widely in cash express locations, ticket booths, hotels, security deposit locations and anywhere security is required for the transfer of funds or smaller items. Level 1, 2 and 3 bullet resistant available. Ticket window has the deal tray built into the base (8" x 11-1/2") along with a flip cover to prevent drafts from entering the building.

Standard Sizes: 24" (w) x 36" (h)
30" (w) x 36" (h)
36" (w) x 36" (h)

Custom sizes can be made in one continuous stainless base from 18" (w) up to 108" (w).

SC Slider / Ticket Window Combo unit is designed for secure transactions either through the non-ricochet deal tray or through the self-closing window. The window portion of the unit allows for the transfer of larger items. The stainless steel base has the deal tray (8 1/2" x 11") built into the base. Custom combo sizes are available upon request.

Standard Sizes: 48" (w) x 36" (h)

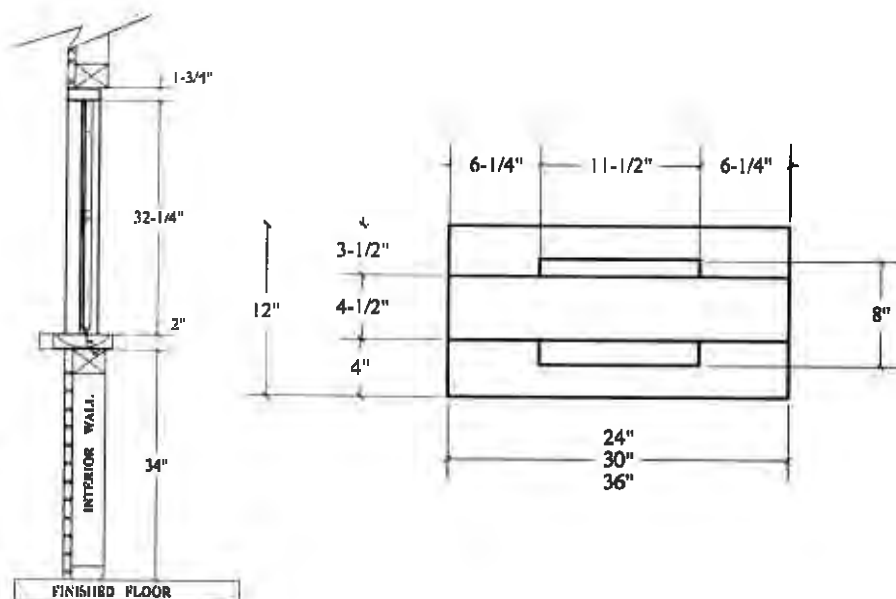
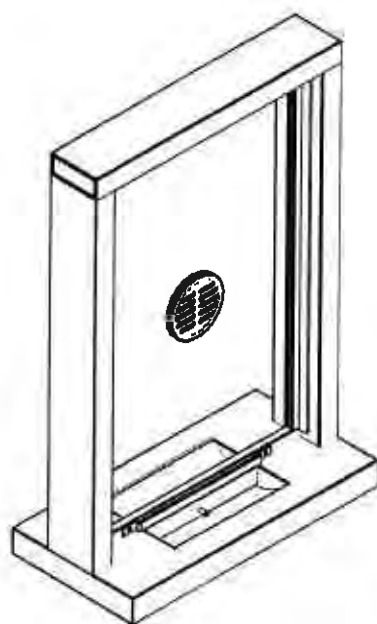


QUIK SERV

we put more in — you get more out

MODEL T1-2436, T1-3036 & T1-3636

*S" in number signifies windows with speak-thrus

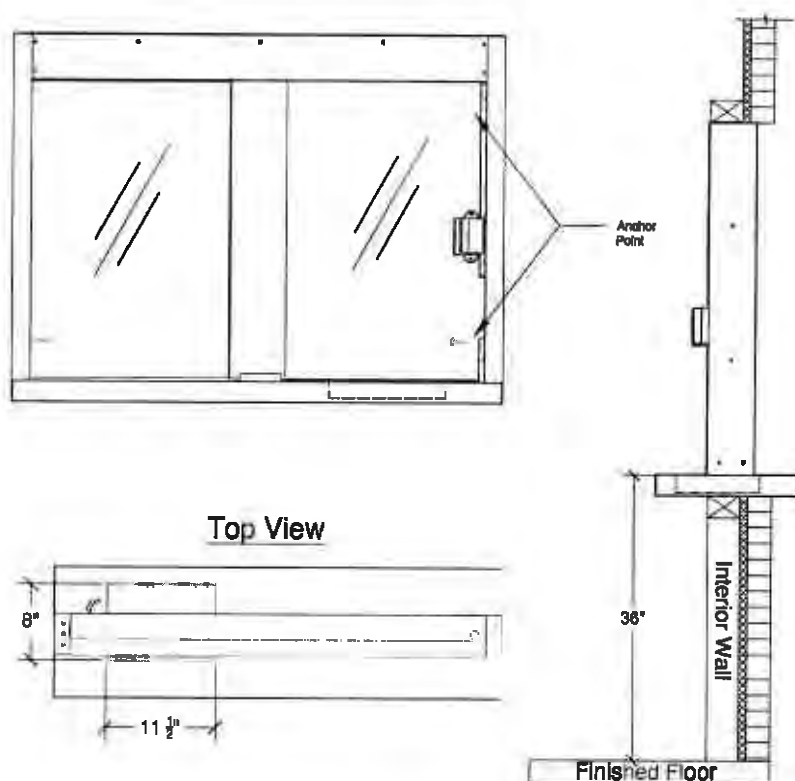


SC SLIDER / TICKET WINDOW COMBO

Actual - 48" (w) x 36" (h)

Rough Opening - 48 3/8" (w) x 36 3/8" (h)

Service Opening - 18 1/2" (w) x 29" (h)



ALL QUIKSERV PRODUCTS ARE SHIPPED FULLY-ASSEMBLED and READY TO INSTALL. EACH ELECTRICAL UNIT IS SHIPPED WITH A FOUR FOOT (4') BX DROP.

QUIKSERV CORP. • 11441 BRITTMORE PARK DRIVE • HOUSTON, TX 77041 • 800-388-8307 • 713-849-5882 • FAX 713-849-5708 • www.quikserv.com

OPTIONS

Headset in lieu of gooseneck microphone and/or AA battery pack for 18-24 hours of rechargeable duty time based on 25% talk-time.



OPERATIONAL SPECIFICATIONS

The SC-100 provides electronic two-way, hands-free audio communications (duplex) between a partition. The inside operator controls the operation by speaking into the gooseneck microphone. The SC-100 unit automatically initiates the "listen" mode when the operator discontinues speaking into the microphone. The SC-100 contains two voice channels, each incorporating a microphone amplifier, VOX switch, compressor, background noise monitor, attenuator controls, level detectors, and a bridge amplifier. The sound amplifier does not exceed a 0.2% total harmonic distortion rating.

CHARACTERISTICS

The SC-100 is four inches in diameter, and equipped with an operator-side gooseneck microphone, power on/off switch, power-on green LED, "talk" volume control and "listen" volume control. The exterior, or customer side, is equipped with a 2 1/4" ferrite, magnet speaker and electret microphone. The speaker and microphone are located so as not to be damaged by tools such as screw drivers and pliers. The SC-100 incorporates a Class II bullet-resistive insert, able to withstand a standard bullet from a .357 Magnum firearm. The SC-100 is constructed of machined aluminum, and finished in silver or black.

INSTALLATION

The SC-100 is easily installed in a partition with either 3.25" or 3.5" cutout. An optional plate is available for 4" cutouts. The exterior plate is assembled to the interior housing via four bolts provided. A barrier thickness must be specified. The interior control plate is then fastened to the housing with four tamper-resistant screws. Gaskets prevent the SC-100 from scratching the surface of the barrier. An AC adapter is supplied for continuous duty. The adaptor steps down 120V AC input to filtered 18V DC output for class II installations.

4130 Flat Rock

Unit 170

Riverside, CA 92505

Phone 951.354.1800

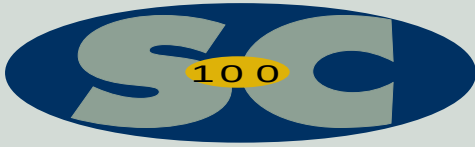
Toll-Free 888.853.4643

Fax 951.354.1805

www.haventech.com



ELECTRONIC TWO-WAY COMMUNICATION/Through A Partition



T

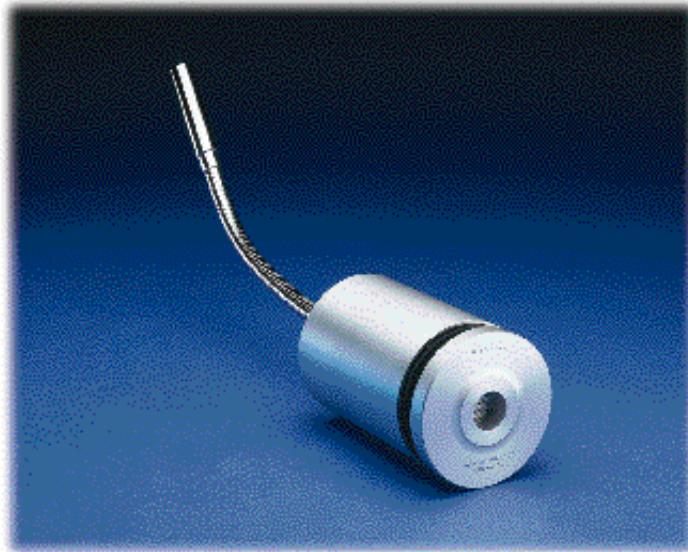
talk-thru communicator is designed to provide clear communications between a partition wherever safety and security is of prime importance.

Made In U.S.A.

Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. Housed within a rugged enclosure, the SC-100 provides effective protection while maintaining clear communications.

APPLICATIONS

Detention Facilities, Movie Theaters,
Hospitals, Banks, Subways, Ticket Booths
and other security-sensitive areas



- Rugged Aluminum Construction
- Compact 4.0" diameter Design
- Class II Bullet Resistive Insert *
- Duplex Communication
- Voice Activated Switch
- Background Noise Level Monitoring
- Level Detection and Attenuation Control
- Linear Volume Control



*Based on .357
Magnum loads

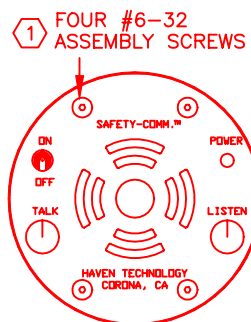
Features and
specifications are
subject to change
without notice.



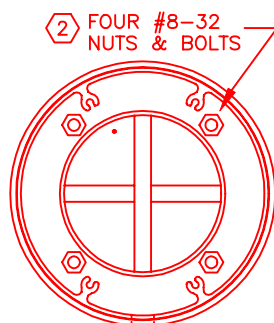
Installing the Safety-Comm.™ :

Step

1. With the tool provided, remove the four (4) tamper-resistant screws ① located on the control plate.
2. Gently pull on the gooseneck to separate the control plate assembly from the main housing.
3. Remove the cabling connecting the outside plate and the control-plate assembly.
4. With a hollow-shaft nut driver (not included), remove the #8-32 mounting nuts ② as shown. This will allow you to separate the outside plate from the main housing.
5. Remove the outside plate from the main housing unit and throw away the plastic (or aluminum) spacers.
6. Align the outside plate over the opening in the barrier.
7. From the inside, reinstall the main housing unit on the bolt ② indicated in step 4 above. Reconnect the cable from the outside plate to the control plate assembly. See figure 2.
8. Reattach the control plate to the main housing units with the four (4) tamper-resistant screws ① .



**CONTROL PLATE
FRONT VIEW**



**OUTSIDE PLATE
REAR VIEW**

IMPORTANT NOTE:
3.25" DIA. HOLE IS REQUIRED IN BARRIER

TOOLS REQUIRED

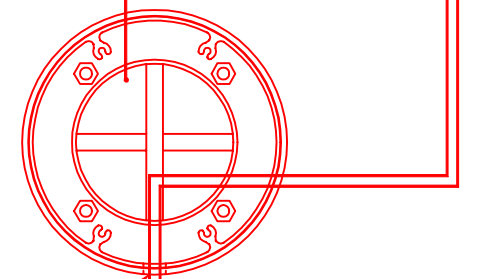
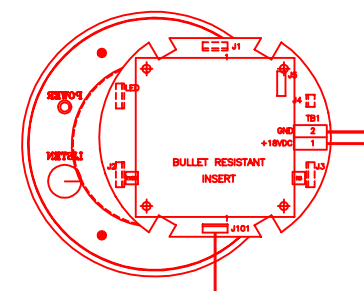
- (1) 11/32" HEX NUT DRIVER WITH HOLLOW SHAFT
- (2) 5/64" HEX KEY (INCLUDED WITH SC-100 UNIT)
- (3) 1/8" TIP WIDTH SCREW DRIVER

Adjusting the Safety-Comm.™ :

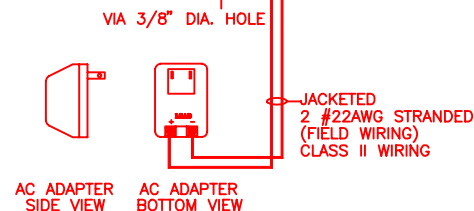
1. Turn "power" switch off.
2. Make sure the AC adapter is plugged in.
3. Turn "power" switch on. The green LED will illuminate.
4. Adjust "listen" and "talk" controls to the desired level. [note: ideal speaking distance for the customer-side (outside) plate is 4" to 8" away. Ideal speaking distance from the gooseneck microphone is 3" to 5"].

FIGURE 2

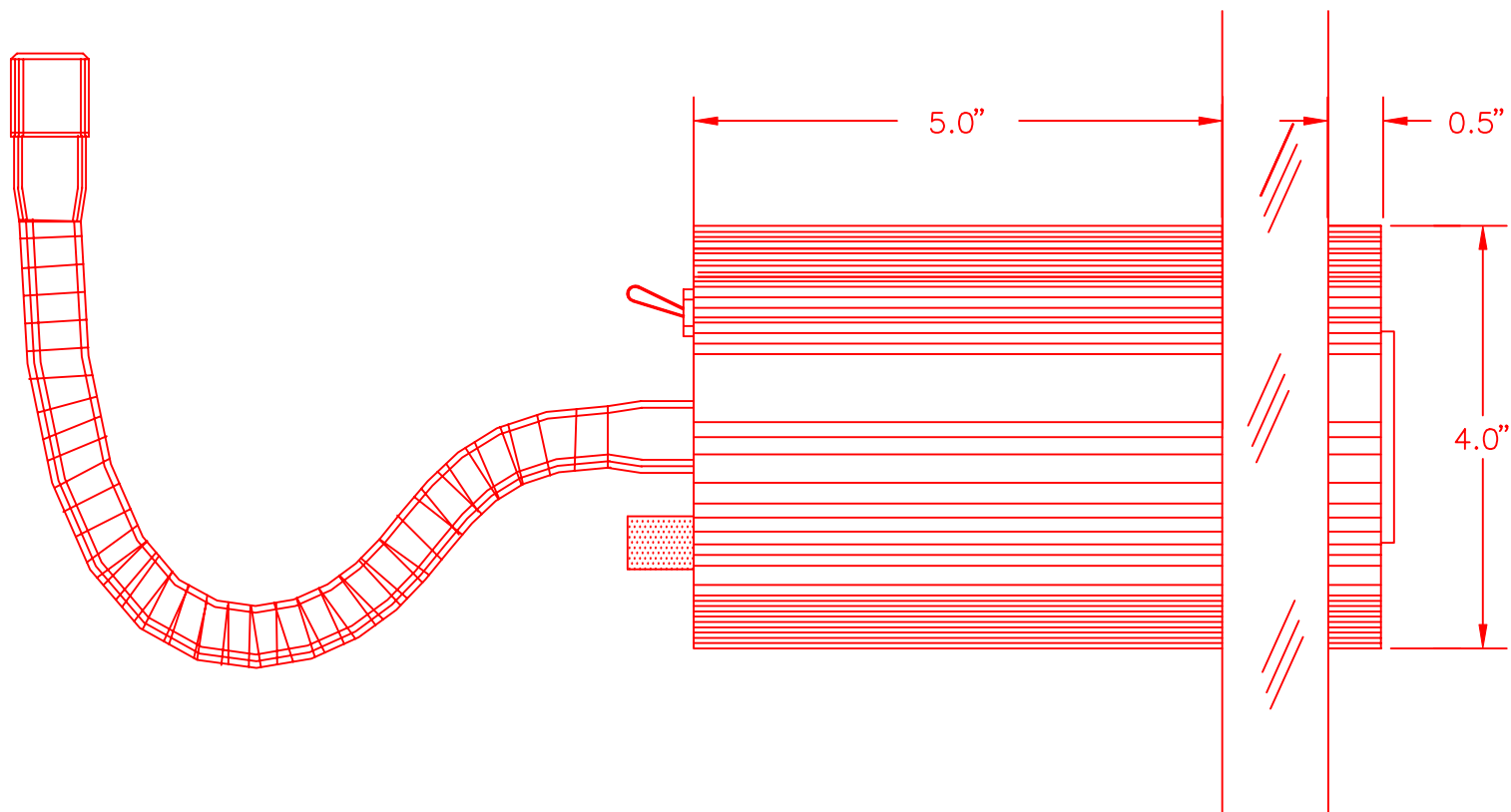
REAR VIEW OF CONTROL PLATE



REAR VIEW OF HOUSING



HAVEN TECHNOLOGY CORPORATION	REVISION A	changed dia. op. 2-6-98	DRAWN BY:	T.L.	TITLE SAFETY-COMM.™ INSTALLATION
	REVISION B	acoustical foam 8-19-98	DATE:	08-05-96	
	REVISION C		SHOP ORD.#		SHEET: OF: DRAWING NO. 4778B
	REVISION D		DRAWING SIZE	B	



MOUNTING HOLE DIAMETER: = 3.25" - 3.5".

**HAVEN
TECHNOLOGY
CORPORATION.**

REVISION A
REVISION B
REVISION C
REVISION D

DRAWN BY:

DATE:

SHOP ORD.#

DRAWING SIZE

6/25/98

B

TITLE

SAFETY -COMM MODEL SC-100

SHEET:

OF:

DRAWING NO:

5114B1

Safety-Comm.® Field Calibration

Questions?

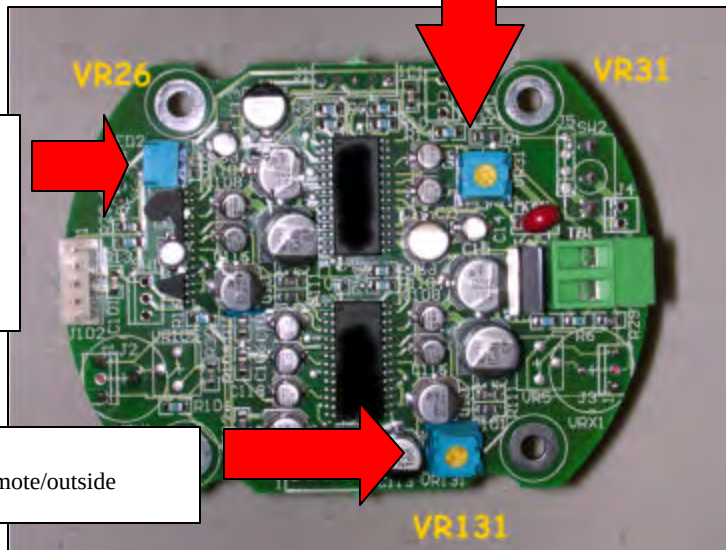
Call: (951) 354-1800

VR31 “master” or inside

VR26 gooseneck dominance.

DO NOT ADJUST! CONSULT THE FACTORY PRIOR TO ADJUSTMENT.

VR131 remote/outside



Symptom: conversation is “clipped”; conversations are cut short.

Solution: **FIRST: NOTE ORIGINAL POSITION OF THE POTENTIOMETERS.**
if inside operator’s (IO) conversation is clipped, increase IO’s microphone sensitivity by turning R31 one (1) notch clockwise.

if outside operator’s (OO) conversation is clipped, increase OO’s microphone sensitivity by turning R131 one (1) notch clockwise.

Repeat if necessary.

NOTE: R31 and R131 are “balanced”. Therefore, decreasing one microphone will have the same effect as increasing the other (it’s all relative).

The control assembly must be placed back into the housing to perform correctly. Otherwise, feedback may occur.

“Inside Operator”: gooseneck side (SC-100; SC-300); or circuit board side.

VR26 if adjusted clockwise, will allow the gooseneck/master side mic to dominate the outside microphone. If increased too much, the outside/remote will not be heard at all. Default position is at the 10:00 position

[illegible]

Coral

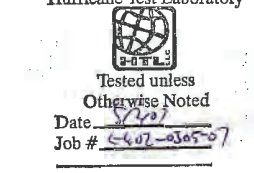
▪ Architectural Products

3010 RICE MINE ROAD, TUSCALOOSA, AL 35403

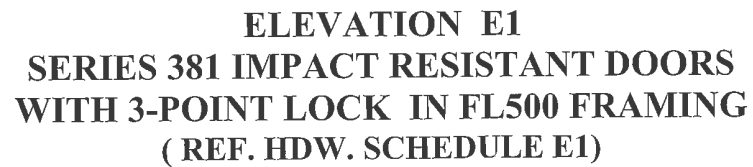
PHONE: 800-772-7737 FAX: 800-255-7320

- HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS
- INDEX TO DRAWINGS AND NOTES

ABBREVIATIONS:
D.L.O. = DAY LIGHT OPENING
D.O.H. = DOOR OPENING HEIGHT
D.O.W. = DOOR OPENING WIDTH
C.V.R. = CONCEALED VERTICAL ROD
C.O.C. = CONCEALED OVERHEAD CLOSER



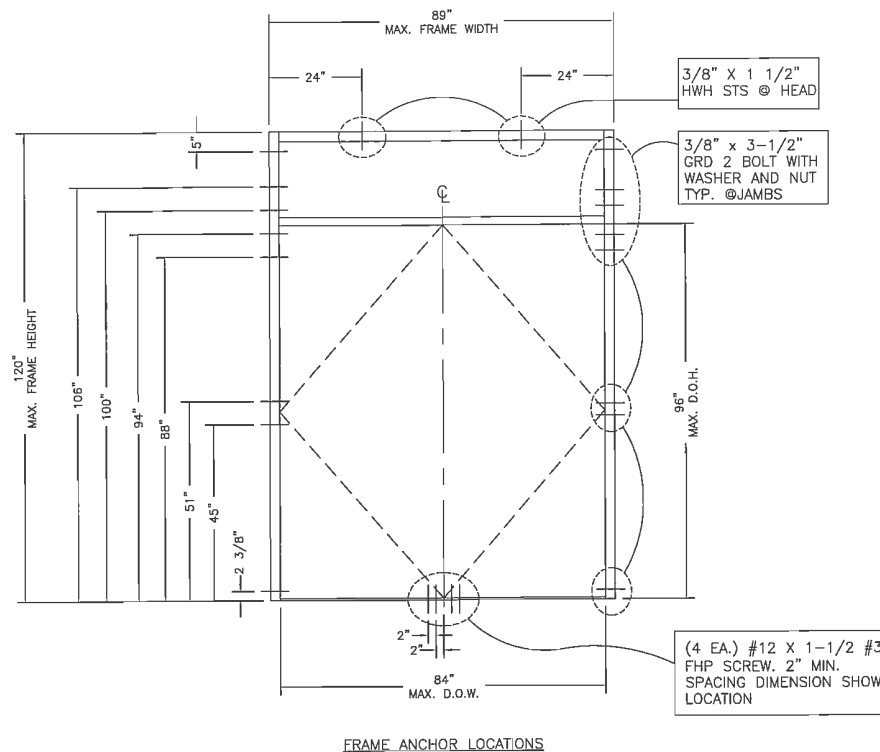
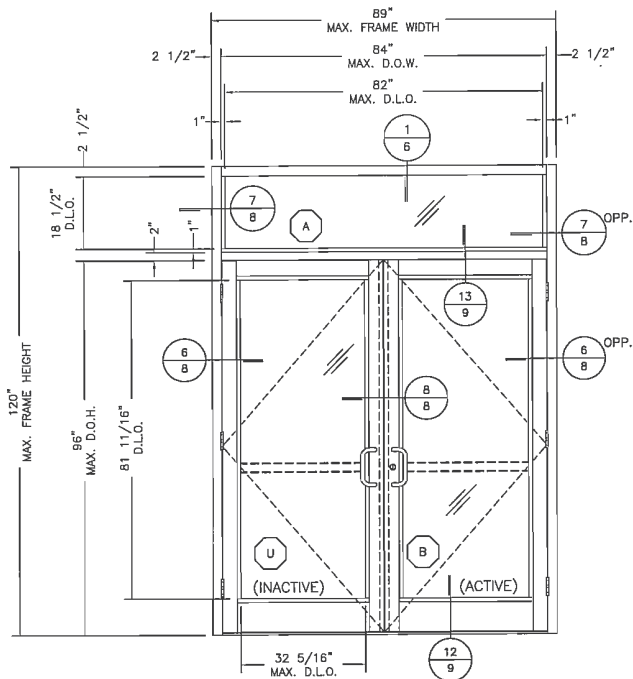
DATE 4/18/2007		
DRAWN PGH	CHECKED JDW	APPROVED JDW
PROJECT NO. HTL TEST		
DRAWING NO. 381_01		
SHEET 1 OF 18		



Coral

▪ Architectural Products ▪

30010 RICE MIKE ROAD, TUSCALOOSA, AL 35409
PHONE: 800-772-7737 FAX: 800-255-7320



ELEVATION E2
SERIES 381 IMPACT RESISTANT DOORS
WITH JACKSON 2086 EXIT DEVICES AND
C.O.C. WITH OFFSET ARM
IN FL500 FRAMING
(REF. HDW. SCHEDULE E2)

TESTING
 AIR, STATIC, FORCED ENTRY,
 IMPACT AND CYCLE

DESIGN PRESSURE = +70/-80 PSF

STEEL TEST BUCK

0 1'-4" 2'-8" 5'-4"
 SCALE: 3/8"=1'-0"

Hurricane Test Laboratory



Tested unless
 Otherwise Noted

Date: 5/2/07
 Job #: C402-0307-01

HTL TEST REPORT DRAWINGS FOR
 SERIES 381 HURRICANE IMPACT-RESISTANT
 DOORS WITH MULTIPLE GLAZING INFILLS
 AND HARDWARE OPTIONS

DOOR AND FRAMING ELEVATIONS

DATE	4/18/2007
DRAWN	PCB
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381_01
SHEET	4 OF 18

Coral
 Architectural Products
 3000 RICE MIKE ROAD, TUBALCROSS, GA 30146
 PHONE: 678/721-7107 FAX: 678/295-7200

DESCRIPTION

DATE

REV

BT

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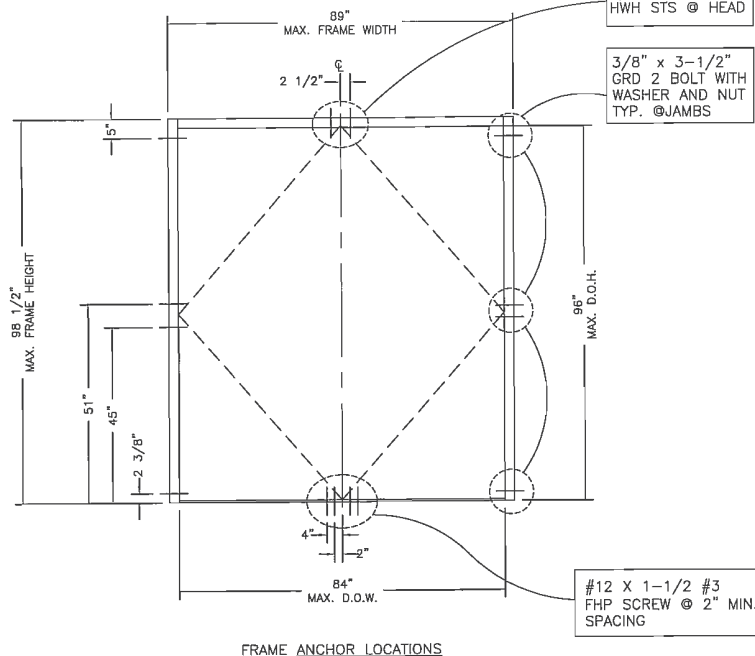
REV

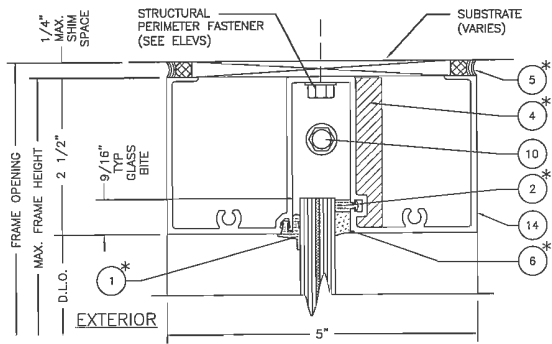
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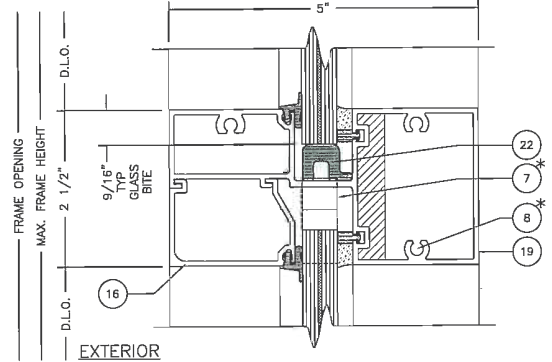
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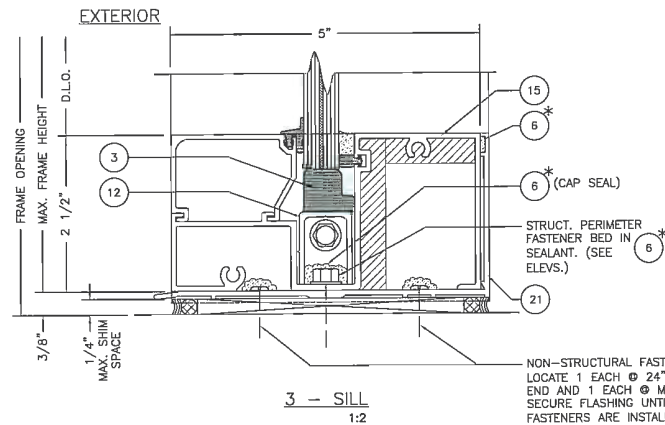




1 - HEAD
1:2

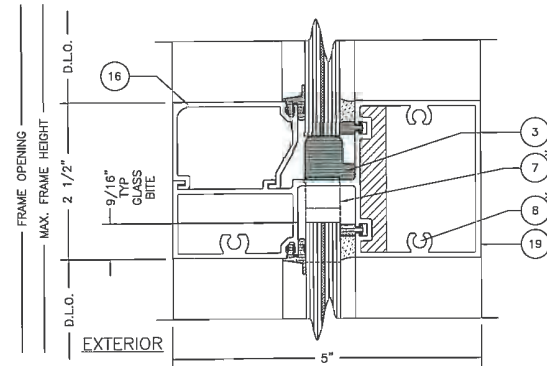


2 - INVERTED HORIZ. MULLION
1:2



3 - SILL
1:2

- 1 * TYPICAL EXTERIOR GASKET
- 2 * TYPICAL INTERIOR SPACER GASKET
- 4 * TYPICAL @ALL JOINT INTERSECTIONS
- 5 * TYPICAL EXT/INT PERIMETER SEALANT
- 6 * TYPICAL INTERIOR SEALANT @GLASS
- 7 * TYPICAL EA. END INTERM. HORIZONTAL
- 8 * TYPICAL @ALL SPLINES



2A - ALT HORIZ. MULLION
1:2

Hurricane Test Laboratory



Tested unless
Otherwise Noted

Date 5/2/07
Job # 6-42-0501-07

HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

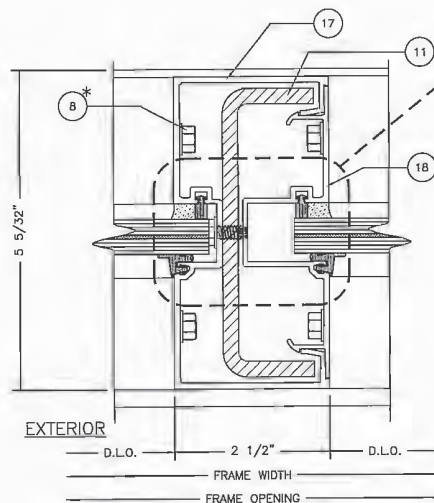
DATE	4/18/2007
DRAWN	PCW
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381_01
SHEET	6 OF 18

Coral
Architectural Products
3010 PRICE MINE ROAD, TULSA, OK 74106
PHONE: 918/757-7170 FAX: 918/255-7320

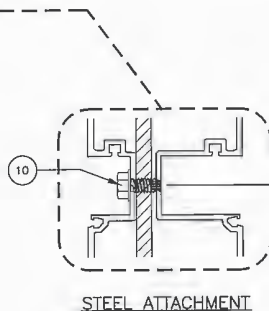
FRAMING DETAILS

DESCRIPTION

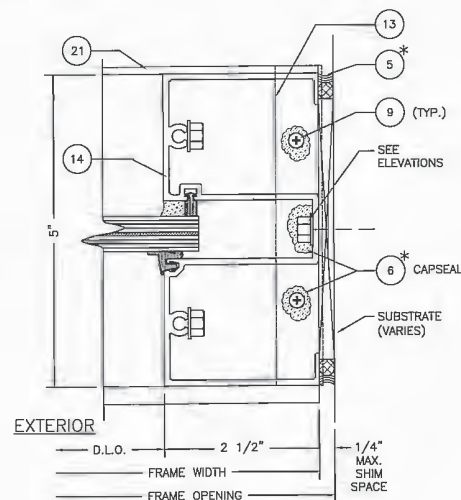
REV BY DATE



4 - VERT. MULLION WITH STEEL
1:2



DRILL $\phi 13/64$ " (#7 DRILL) HOLE
FOR $1/4$ " STS FASTENER 1"
FROM EACH END OF MULLION
AND ATTACH STEEL



5 - JAMB
1:2

Hurricane Test Laboratory



Tested unless
Otherwise Noted

Date 5/6/07
Job # 6-402-0305-01

HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

FRAMING DETAILS

DATE	4/18/2007
DRAWN PCH	CHECKED JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381_01
SHEET	7 OF 18

Coral
Architectural Products
9010 RICE MINE ROAD, TUSCALOOSA, AL 35606
PHONE 205/757-7571 FAX 205/557-7520

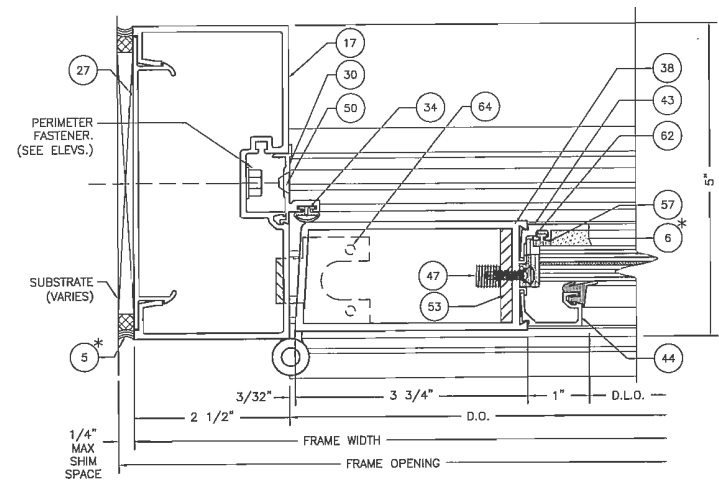
DESCRIPTION

DATE

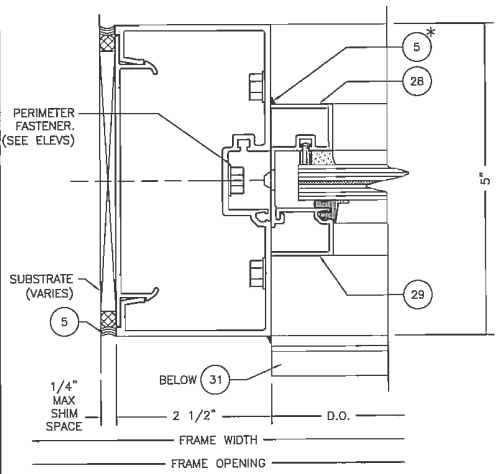
REV

BT

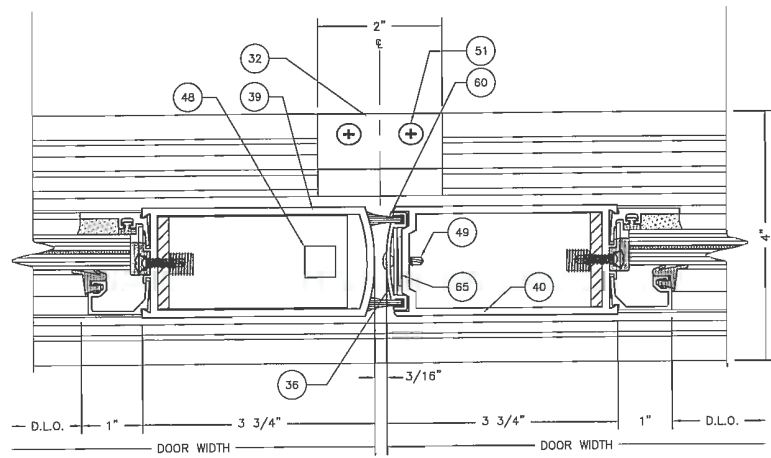
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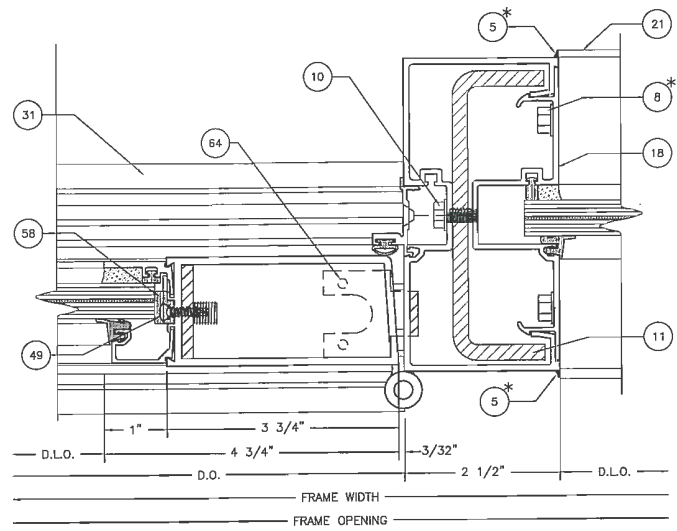
6 - DOOR JAMB AT WALL
1:2



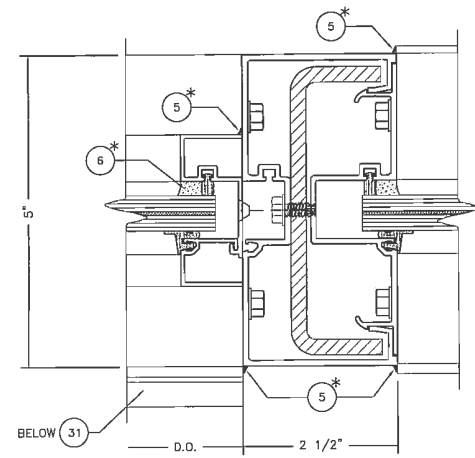
7 - TRANSOM JAMB AT WALL
1:2



8 - MEETING STILES
1:2



9 - INTERM. DOOR JAMB
1:2



10 - INTERM. TRANSOM JAMB
1:2

Hurricane Test Laboratory
Tested unless
Otherwise Noted
Date 8/2/07
Job # 6402-0105-07

Coral
Architectural Products
3010 RICE MIAMI ROAD TUSCALOOSA, AL 35406
PHONE 205/727-7171 FAX 205/337-7420

HTL TEST REPORT DRAWINGS FOR SERIES 381 HURRICANE IMPACT-RESISTANT DOORS WITH MULTIPLE GLAZING INFILLS AND HARDWARE OPTIONS DOOR AND FRAMING DETAILS			
DATE	4/18/2007	DRAWN	PCB
		CHECKED	JDW
		APPROVED	JDW
PROJECT NO.	HTL TEST		
DRAWING NO.	381_01		
SHEET	8 OF 18		

Technical drawing of a COC Transom Bar with Offset Arm, showing a cross-section of the door and transom assembly. The drawing includes dimensions and callouts for various components.

Dimensions:

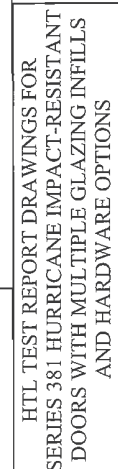
- 5" (Top transom width)
- 1" (Transom height)
- 5/8" GLASS BITE (Glass thickness)
- 2" (Door height)
- 1/8" (Door height detail)
- 4" (Door height detail)
- 1" (Door height detail)
- 1/8" (Door height detail)

Labels:

- FRAME OPENING
- MAX. FRAME HEIGHT
- D.O. (Door Opening)
- DOOR HEIGHT
- D.L.O. (Door Locking Offset)

Callouts:

- 28
- 58
- 5
- 9
- 20
- 4
- 33
- 52
- 44
- 49
- 62
- 66
- 55



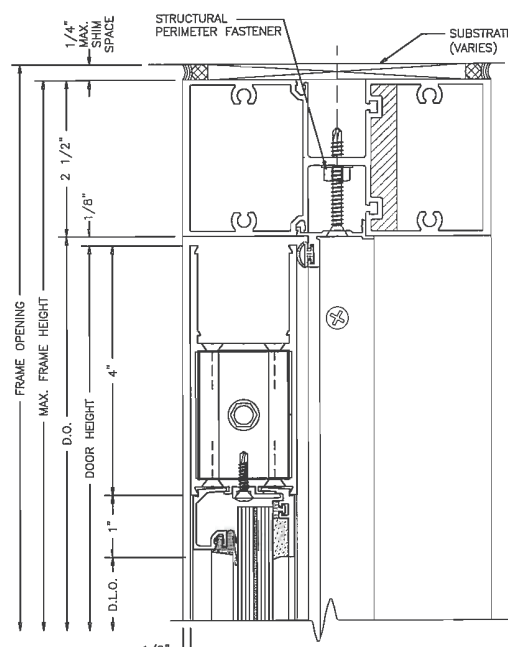
DOOR AND FRAMING DETAILS

Coral

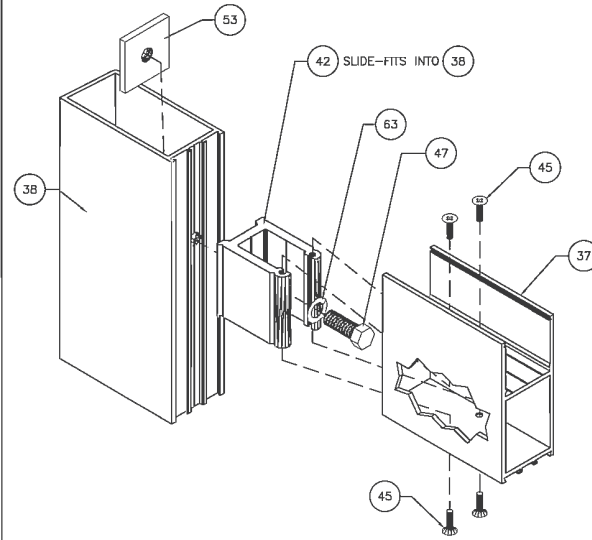
▪ Architectural Products ▪

30010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7757 FAX: 800-255-7320

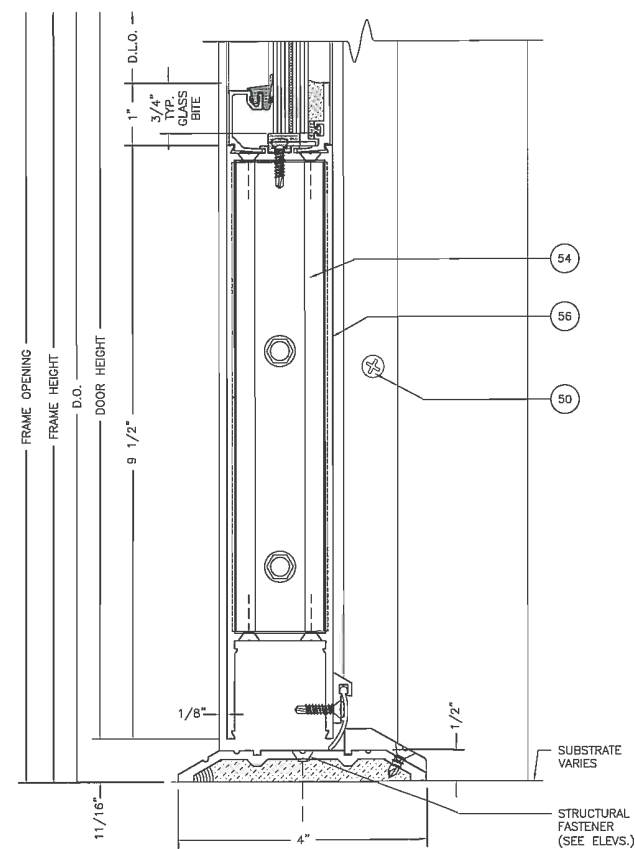
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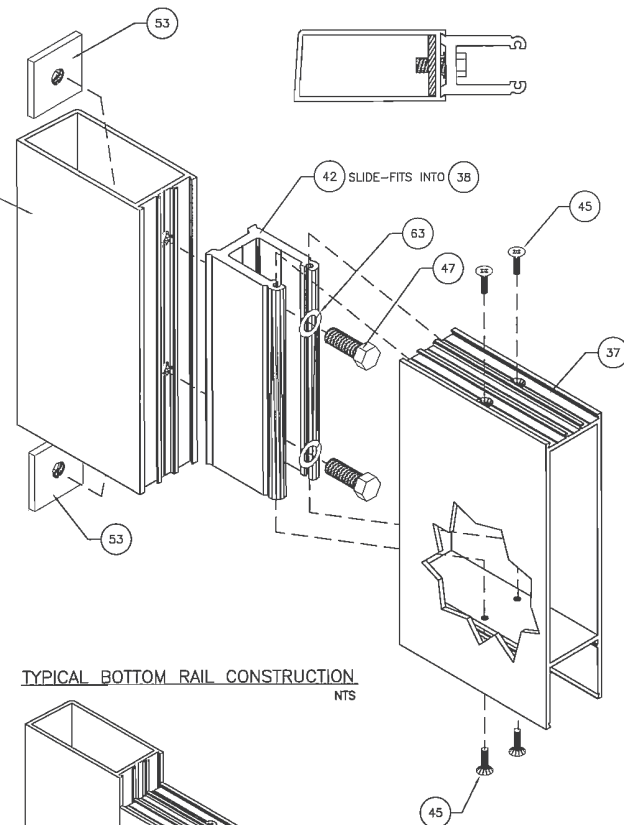
14 - DOOR FRAME HEADER FOR SURFACE CLOSER
1:2



TYPICAL TOP RAIL CONSTRUCTION
NTS



15 - THRESHOLD
1:2



TYPICAL BOTTOM RAIL CONSTRUCTION
NTS

Hurricane Test Laboratory
Tested unless
Otherwise Noted
Date 5/2/07
Job # 6-401-0205-07

DATE		4/18/2007	
DRAWN	PCH	CHECKED	JDW
PROJECT NO.	HTL TEST		
DRAWING NO.	381 01		
SHEET	10 OF 18		

HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

DOOR AND FRAMING DETAILS

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7137 FAX: 800-285-7320



Tested unless
Otherwise Noted

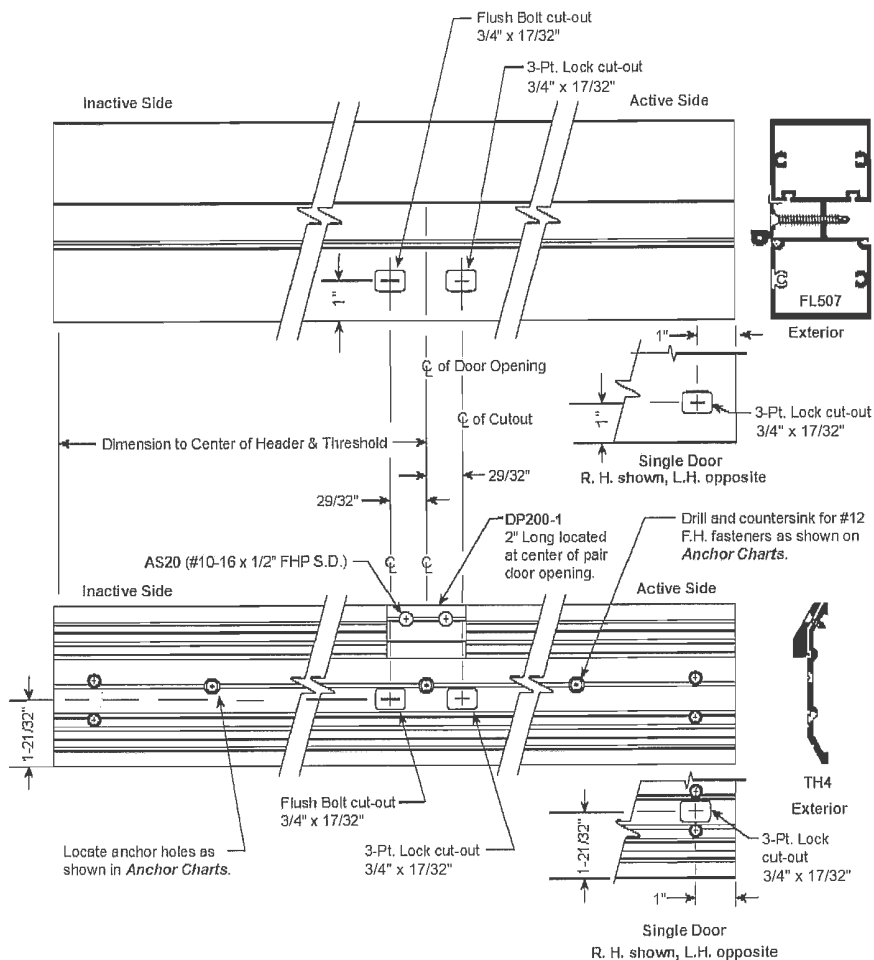
Date 9/2/97
Job # C-48-0305-97

FLUSH BOLT & 3 PT. LOCK STRIKE LOCATIONS

F5 or FT5 Open Back Frame for Butt Hung Door
Surface or Concealed Overhead Closer

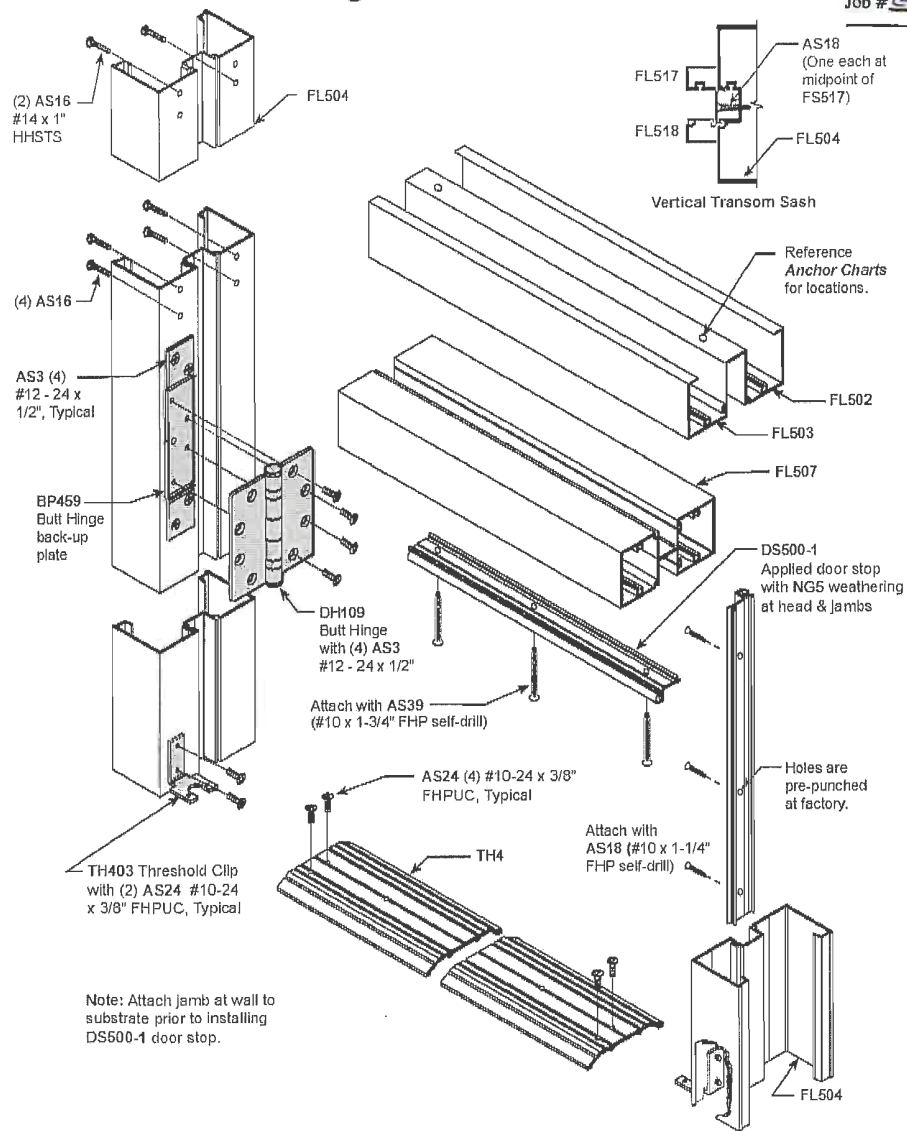
FL507 Header Fabrication Shown for Surface Closer.

FL512 Header Fabrication Similar for C.O.C.



F5 OPEN BACK FRAME AND/OR FT5 TRANSOM

For Butt Hung Door for Surface Closer



Note: Attach jamb at wall to substrate prior to installing DS600-1 door stop.

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Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35405
PHONE: 800-772-7737 FAX: 800-255-7030

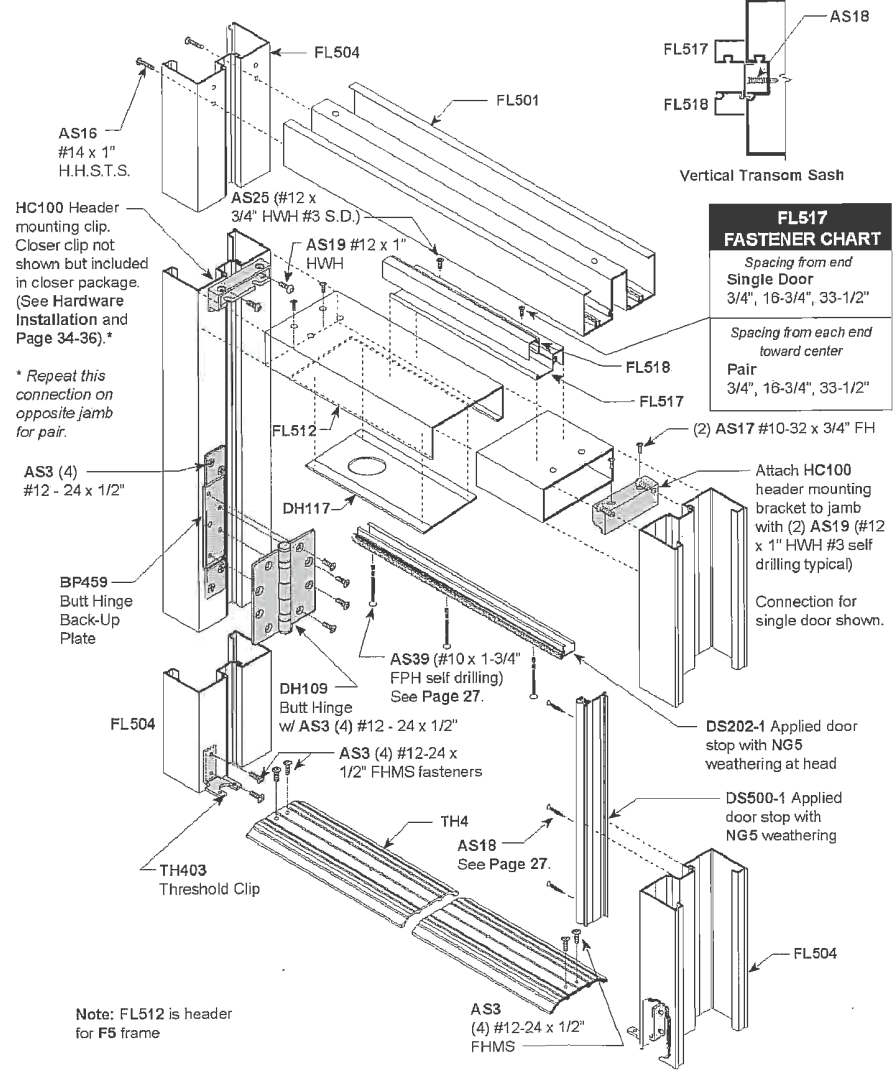
HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

DOOR AND FRAMING DETAILS

DATE	4/18/2007
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381 01
SHEET	11 OF 18

...ible. An...atio...C... WM...K... SU... _3... _01... _F... _ME... _OF... _IN... _NC... _AT... _CH... _IN... _00... _1... _2... , P...

F5 or FT5 FRAME - OFFSET BUTT HUNG
DOOR - C.O.C. and Offset Arm



Hurricane Test Laboratory

Tested unless
Otherwise Noted

Date 5/4/07

Job # 6402-0305-07

HTL TEST REPORT DRAWINGS FOR SERIES 381 HURRICANE IMPACT-RESISTANT DOORS WITH MULTIPLE GLAZING INFILLS AND HARDWARE OPTIONS			
DOOR AND FRAMING DETAILS			
DATE	4/18/2007		
DRAWN PCH	CHECKED JDW	APPROVED JDW	
PROJECT NO.	HTL TEST		
DRAWING NO.	381_01		
SHEET	12 OF 18		

Coral

Architectural Products

3010 RICE MINER ROAD, TUSCALOOSA, AL 35406

PHONE: 800-772-7131 FAX: 800-443-6261



Tested unless
Otherwise Noted

Date: 5/4/01
Job #: C-402-2005-07

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG1	EXTERIOR GLAZING GASKET	.188 SPACE	EPDM	VARIES	
2	NG14	INTERIOR SPACER GASKET	.25 X .188	EPDM	VARIES	
3	SB13	SETTING BLOCK @ SILL & HORIZONTAL	.800 X .688 X 4"	EPDM	VARIES	2 PER LITE
4	SM5601	JOINT SEALANT TAPE	.50 X .125 X VARIES	BUTYL	SCHNEE-MOOREHEAD	
5	795	SILICONE - PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED AT PERIMETER
6	995	SILICONE - GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL
7	WD200-1	WATER DIVERTER	1.358 X .594 X .050	PLASTIC	CORAL INDUSTRIES, INC.	USED @ (19)
8	AS16	FASTENER	#14 X 1 HHSTS	STEEL	VARIES	TYPICAL SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
9	AS31	FASTENER	#6 X 3/8" PPH	STEEL	VARIES	ATTACH (13) / ALSO USED @ (28)
10	AS38	FASTENER	#10-24 X 3/8 HH	STEEL	VARIES	ATTACH (11) TO (17)
11	SR504	STEEL REINFORCEMENT	4.562 X 1.250 X 0.25	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (17)
12	CS500-1	SETTING CHAIR	1.156 X .844 X .078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	2 PER LITE AT SILL
13	ED519-1	SILL FLASHING END DAM	2.50 X 1.00 X .062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	5.00 LONG
14	FL501	HEAD OR WALL JAMB	2.5 X 5.00 X .094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	FL502	SILL OR HEAD	2.5 X 4.98 X .080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	FL503	GLASS STOP	1.25 X 2.021 X .078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	FL504	STD. VERTICAL MULLION/DOOR JAMB	2.5 X 5.00 X .094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	FL505	OPEN BACK MULLION FILLER	.681 X 4.67 X .080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	FL506	INTERMEDIATE HORIZONTAL	2.5 X 4.98 X .080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	FL512	DOOR HEADER	2 X 5.00 X .125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	FL519	SUBSILL FLASHING	2.62 X 5.402 X .084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	SB20	SETTING BLOCK @ INVERTED HORIZONTAL	.800 X .548 X 4"	EPDM	VARIES	2 PER LITE
23	FASTENER	FOR ATTACHING (21) TO CONCRETE SUBSTRATE	#12 X 2" FHP	STEEL	TAPCON	1" MINIMUM EMBEDMENT NON-STRUCTURAL
24	FASTENER	FOR ATTACHING (21) TO WOOD SUBSTRATE	#12 X 2" FHP	STEEL	VARIES	1" MINIMUM EMBEDMENT NON-STRUCTURAL
25	FASTENER	FOR ATTACHING (21) TO STEEL SUBSTRATE	#12 X 2" FHP	STEEL	TEK - VARIES	1" MINIMUM EMBEDMENT NON-STRUCTURAL
26	FL507	DOOR HEADER	2.5 X 4.98 X .080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
27	FL515	FLAT FILLER AT DOOR JAMB	.681 X 4.67 X .080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOOR JAMB AT WALL
28	FL517	TRANSOM SASH	1.00 X 1.918 X .062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
29	FL518	TRANSOM GLASS STOP	1.00 X .767 X .062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
30	DS500	DOOR STOP	.648 X 1.260 X .094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
31	TH4	THRESHOLD	.50 X 4.00 X .125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
32	DP200-1	PANIC DOOR STOP AT PAIRS	.402 X 1.323 X .188	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
33	DS202-1	DOOR STOP - OFFSET ARM COVER	1.188 X 2.00 X .090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
34	NG5	BULB GASKET FOR (30)	.260 X SPACE	EPDM	CORAL INDUSTRIES, INC.	
35	D102	DOOR RAIL	4.000 X 1.71 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
36	D106	DOOR- ADJUSTABLE ASTRAGAL	.331 X 1.562 X .062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
37	D108	DOOR- BOTTOM RAIL	7.5 0 X 1.71 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
38	D110	DOOR -HINGE STILE	3.75 X 1.75 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
39	D111	DOOR- INACTIVE MEETING STILE	3.75 X 1.75 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
40	D112	DOOR- ACTIVE MEETING STILE	3.614 X 1.75 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
41	CB102	DOOR- CORNER BLOCK	2.130 X 1.54 X .25	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 2.032
42	CB108	DOOR- CORNER BLOCK	2.130 X 1.54 X .25	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 5.553
43	DG501	DOOR- GLASS STOP- ATTACHED	1.00 X .539 X .100	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
44	DG502	DOOR- GLASS STOP-SNAP-IN	.876 X .539 X .065	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	

Coral
Architectural Products
33010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-1727 FAX: 205-285-7230

HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS
BILL OF MATERIALS

DATE: 4/18/2007
DRAWN: PCH CHECKED: JDW APPROVED: JDW
PROJECT NO.: HTL TEST
DRAWING NO.: 381 01
SHEET 13 OF 18

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
45	AS1	FASTENER	# 10 X 3/4" FHP	STEEL	VARIES	
46	AS17	FASTENER	# 10-32 X 3/4"	STEEL	VARIES	
47	AS4	CAP BOLT	3/8"-16 X 3/4" HWH	STEEL	VARIES	
48	BP380	FLUSH BOLT GUIDE	1.475 X 3.062 X .180	STEEL	CORAL INDUSTRIES, INC.	USED @ INACTIVE STILE
49	AS7	FASTENER	#8 X 3/4" POH S.D.	STEEL	VARIES	ATTACH (36) TO (40)
50	AS18	FASTENER	#10 X 1-1/4" FHP	S. STEEL	VARIES	
51	AS20	FASTENER	#10-16 X 1/2" FHP	STEEL	VARIES	ATTACH (32) TO (31)
52	AS39	FASTENER	#10 X 1-3/4" FHP S.D.	S. STEEL	VARIES	MIDPOINT AND 10" FROM EACH END
53	AS13	SQUARE NUT	1.475 X 1.475 X .180	ZINC PLATED STEEL	CORAL INDUSTRIES, INC.	
54	CB109	DOOR- CORNER BLOCK	2.130 X 1.54 X .25	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	FABRICATED CUT LENGTH = 7.513
55	DB122-1	CHANNEL SPACER FOR OFFSET ARM	.406 X 1.455 X .090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	CUT 12" LONG
56	D109	BOTTOM DOOR RAIL	9.500 X 1.71 X .120	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
57	NG13	SPACER GASKET FOR (43)	.201 X .288	EPDM	VARIES	
58	SB11	DOOR-SETTING/ EDGE BLOCK	.319 X .523 X 4"	EPDM	VARIES	
59	WS100	DOOR SWEEP	.812 X .302 X .125	6063-T6 ALUM.	CORAL INDUSTRIES, INC.	CUT TO DOOR OPENING WIDTH (LESS CLEARANCE)
60	WP106	WEATHERING- (36) ADJUSTABLE ASTRAGAL	VARIABLE SPACE	WOOL PILE	VARIES	DOUBLE ROW- FULL LENGTH OF ASTRAGAL
61	VG1	WEATHERING FOR (59)	1.142 X .120 X .06	SOFT VINYL	CORAL INDUSTRIES, INC.	CUT TO DOOR OPENING WIDTH (LESS CLEARANCE)
62	CS501-1	GLASS STOP CLIP	.178 X .769 X .068	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	USED WITH (43)
63	AS41	3/8" LOCK WASHER	0.377 X 0.141 X 1.094	STEEL	VARIES	
64	TH403	THRESHOLD CLIP	1.90 X 1.909 X .126	STEEL	VARIES	
65	SP100	ADJUSTABLE ASTRAGAL SPRING	1.055 X 0.485 X 0.055	S. STEEL	CORAL INDUSTRIES, INC.	USED @ (36) WITH (49)
66	AS15	FASTENER	#8 X 1-1/4" FHP TEK	STEEL	VARIES	ATTACH (55) TO (35)

Hurricane Test Laboratory



Tested unless
Otherwise Noted
Date: 5/1/07
Job # 1-402-0107-07

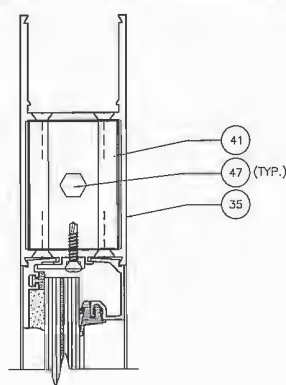
HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

DATE	4/18/2007
DRAWN PCH	CHECKED JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381_01
SHEET	14 OF 18

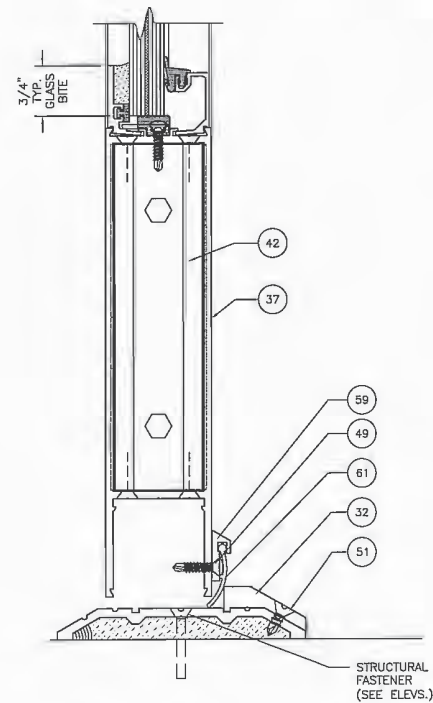
Coral
Architectural Products
3010 RICE AVE. ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-1737 FAX: 205-286-7200

BILL OF MATERIALS

S:\ASSEMBLY\Anu...ab...tion...C...M...K...St..._3..._01...G...ZIN...SC...DL...d...4...20...11...57...4...JW...ip...19...38...50..._1...C...ng...3...An



B = 1/4" NOMINAL GLASS THICKNESS
U = 1/4" NOMINAL GLASS THICKNESS



TYPICAL DOOR GLASS SIZE = DLO + 1'-1 1/2"

GLAZING SCHEDULE

GLASS TYPES				
GLASS MARK SYMBOL	GLASS TYPE	MANUFACTURER	MAXIMUM D.L.O. SIZE	MAXIMUM SQUARE FEET
B	9/16" NOMINAL OVERALL THICKNESS LAMINATED GLASS Solutia "SAFLEX" CONSISTING OF TWO 1/4" HS GLASS, AND A 0.090" Solutia "SAFLEX" PVB INTERLAYER N.O.A. = 03-0105.02	SOLUTIA	81 11/16" x 32 5/16"	18.3
U	9/16" NOMINAL OVERALL THICKNESS LAMINATED GLASS CONSISTING OF TWO 1/4" HS GLASS, AND A 0.120" UVEKOL "S" INTERLAYER N.O.A. = 03-1117.05	UVEKOL	81 11/16" x 32 5/16"	18.3
A	1/4" H.S. AT INNER/OUTER FACES W/0.075 Solutia VS02 INTERLAYER N.O.A. = 03-0514.15	SOLUTIA	19 3/8" x 82"	11.0

Hurricane Test Laboratory



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Date 5/4/07
Job # 6402-0305-07

HTL TEST REPORT DRAWINGS FOR
SERIES 381 HURRICANE IMPACT-RESISTANT
DOORS WITH MULTIPLE GLAZING INFILLS
AND HARDWARE OPTIONS

DATE	4/18/2007
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	HTL TEST
DRAWING NO.	381 01
SHEET	15 OF 18

Coral
Architectural Products
3810 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 800-255-7320

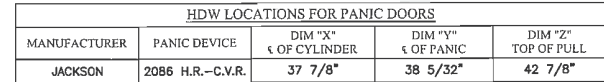
GLAZING SCHEDULE

5. Assembly of Articles, abridgment, 1301, H. Dv. 3E HL JL dv. 4/1 00 1:1 J7. 1, p we. pp 32. 33 AC F 30, gt. 30.

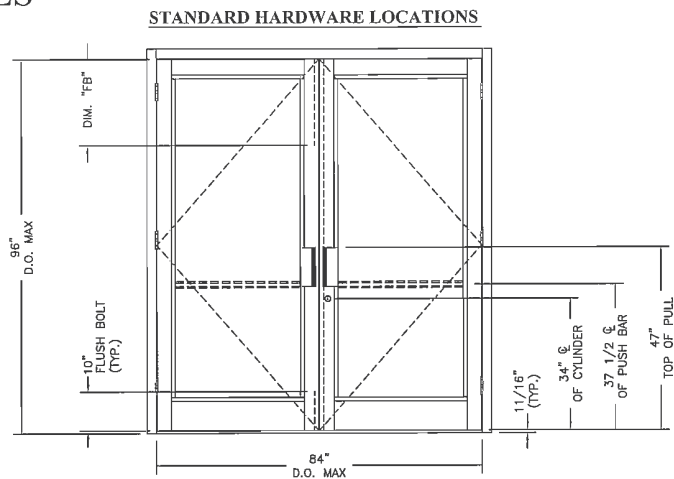
X= APPLIES ▼=NOT APPLICABLE	
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HARDWARE SCHEDULES

Assess... bilit... An... ab... allic... C... M... K... S... S... 13... 0... H... D... V... E... C... Of... tw... 1... 20... 1... C... 2... 2... p... rel... p... 12... 19... C... P... 20...



INTERMEDIATE HINGE LOCATION	
D.O. HEIGHT	DIM. "M" BUTT HUNG
84"	45-11/32"
96"	51-11/32"



FLUSH BOLT LOCATIONS

<u>P/N</u>	<u>DESCRIPTION</u>	<u>DIM "FB"</u>
DH176-96	TOP FLUSH BOLT (FOR 96" TALL DOOR)	22"
DH176	TOP FLUSH BOLT (FOR 84" TALL DOOR)	10"
	BOTTOM FLUSH BOLT (FOR 84"/ 96" TALL DOOR)	10"

The figure contains two separate technical drawings of rectangular frames. The left drawing shows a vertical rectangle with a total height dimensioned as 10 inches and a total width dimensioned as 10 inches. There are four circular features along each long side, with one feature specifically labeled "MIDPOINT". A small offset dimension of 1/2 inch is shown at the bottom-left corner. The right drawing shows a horizontal rectangle with a total width dimensioned as 10 inches and a total height dimensioned as 10 inches. Similar to the first, it has four circular features along each long side, with one labeled "MIDPOINT". It also includes a 1/2 inch offset dimension at the bottom-right corner.

Hurricane Test Laboratory



Tested unless
Otherwise Noted
Date 5/4/07
Job # G-402-John-07

DATE			4/18/2007		
DRAWN PCH		CHECKED JDW		APPROVE JDW	
PROJECT NO. HTL TEST					
DRAWING NO. 381_01					
SHEET 18 OF 18					

3010 PHON

**HEAD/SILL
@ WOOD SUBSTRATE**

3/8" x 3-1/2" LONG LAG BOLTS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN. SPACING BETWEEN ANCHORS.

**SILL/HEAD
@ STEEL SUBSTRATE**

3/8" -16 x 1-1/2" HWH TYPE "F" TCS TYP. @STEEL. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN SPACING BETWEEN ANCHORS

**HEAD/SILL
@ CONCRETE SUBSTRATE**

3/8" x 2-1/2" LONG LDT TYP. @ CONCRETE WITH 2" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 6" MIN. SPACING BETWEEN ANCHORS.

**WALL JAMB
@ CONCRETE SUBSTRATE**

LOCATE (1) EA. 3" ABOVE AND BELOW MIDPOINT: 3/8" x 2-1/2" LONG LDT TYP. @ CONCRETE WITH 2" MIN. EMBEDMENT.

**OR
STEEL SUBSTRATE**

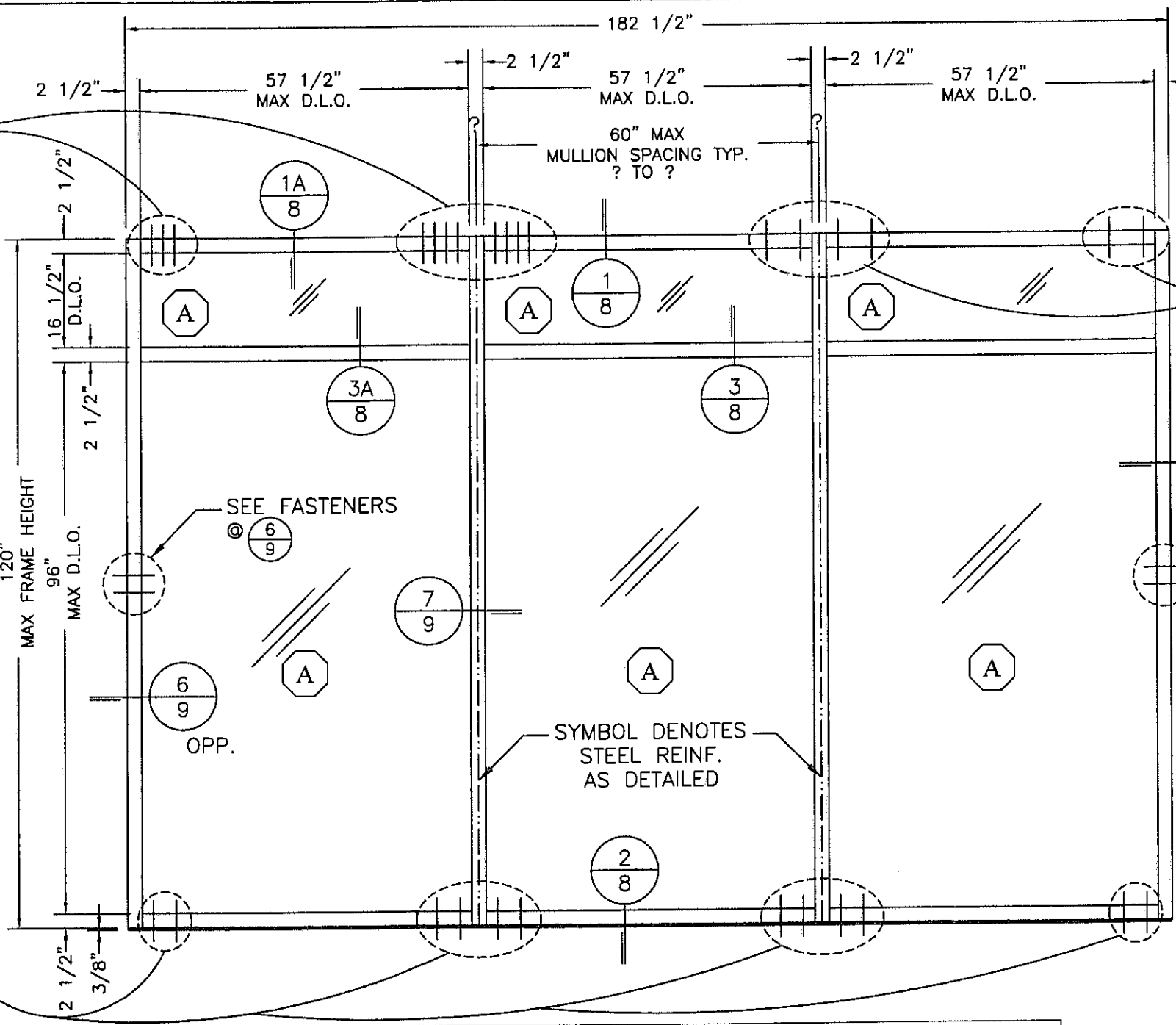
LOCATE (1) EA. 1-1/2" ABOVE AND BELOW MIDPOINT: 3/8" -16 x 1-1/2" HWH TYPE "F" TCS TYP. @STEEL 2" MIN. SPACING BETWEEN ANCHORS

**OR
WOOD SUBSTRATE**

LOCATE (1) EA. @ MIDPOINT AND (2) EA. ABOVE AND BELOW MIDPOINT: 3/8" x 3-1/2" LONG LAG BOLTS TYP. @ WOOD. 3" MIN. EMBEDMENT, 2" MIN SPACING BETWEEN ANCHORS.

LEGEND

⊖ ⊕ EACH LINE REPRESENTS ONE FASTENER



**TYPICAL ELEVATION LIGHT ALUM. MULLION
WITH STEEL REINFORCEMENT-LONG SPAN**

DESIGN PRESSURE = +70/-80 PSF

WATER TEST AT 15 PSF

AIR @ 6.24 P.S.F.

NOTES:

1. GLASS SIZE=D.L.O. + 1-1/8"
2. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
3. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

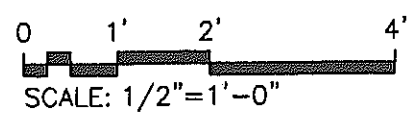
TYPICAL ATTACHMENT TO CONCRETE/STEEL/WOOD SUBSTRATE

2500 P.S.I. CONCRETE

1/4" MIN. THICK STEEL

WOOD STRUCTURE: MIN. #2 SYP. SEE SHEET 16

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Lewis A. Waldrop, P.E.
FLA. P.E. #21959

Lewis A. Waldrop
2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

		3010 RICE MINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7737
PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM PROTOCOLS: PA201/202/203		
FRAMING ELEVATIONS		
DATE	1/8/2008	
DRAWN	CHECKED	APPROVED
PCH	JDW	JDW
PROJECT NO.		
DRAWING NO.		
FL500_03		
SHEET 2 OF 44		

HEAD/SILL @ WOOD SUBSTRATE

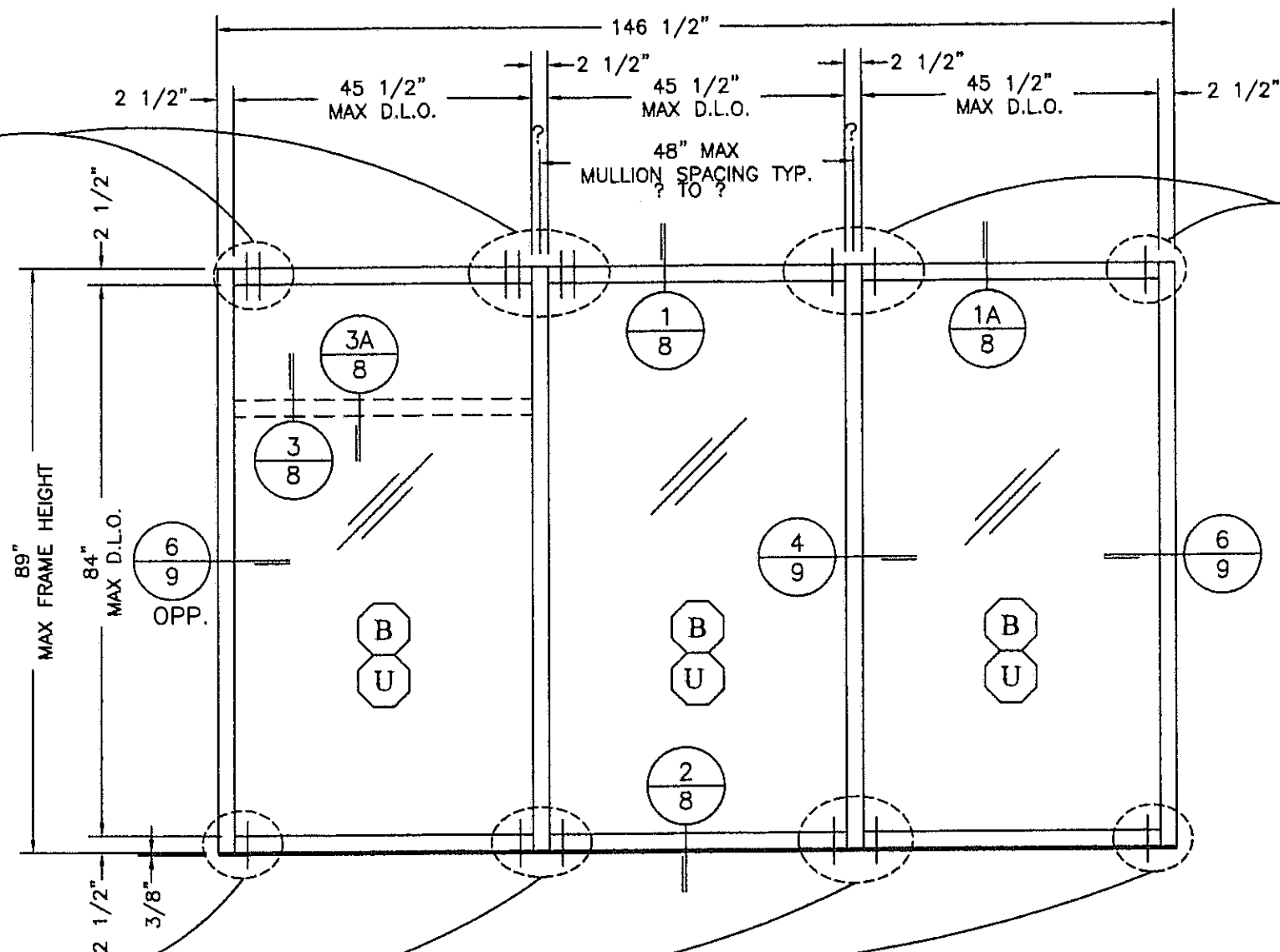
3/8" x 3-1/2" LONG LAG BOLTS TYP. @ WOOD WITH 3" MIN. EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 2" MIN. SPACING BETWEEN ANCHORS.

HEAD/SILL @ STEEL SUBSTRATE

3/8" -16 x 1-1/2" HWH TYPE "F" TCS TYP. @STEEL. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION.

SILL/HEAD @ CONCRETE SUBSTRATE

3/8" x 2-1/2" LONG LDT TYPICAL @ CONCRETE WITH 2" EMBEDMENT. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION.



TYPICAL ELEVATION LIGHT ALUM. MULLION WITHOUT STEEL REINFORCEMENT -SHORT SPAN-

LEGEND

⊖ ⊕ EACH LINE REPRESENTS ONE FASTENER

TYPICAL ATTACHMENT TO CONCRETE/STEEL/WOOD SUBSTRATE

2500 P.S.I. CONCRETE

1/4" MIN. THICK STEEL

WOOD STRUCTURE: MIN. #2 SYP. SEE SHEET 16

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DESIGN PRESSURE = +65/-65 PSF

NOTES:

- GLASS SIZE=D.L.O. + 1-1/8"
- HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
- HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

0 1' 2' 4'
SCALE: 1/2"=1'-0"

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Lewis A. Waldrop
2/2/08

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

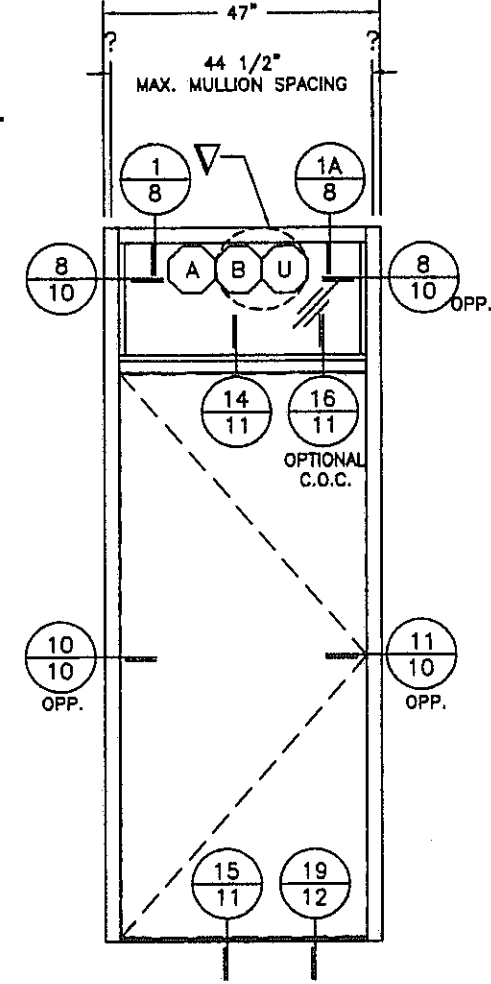
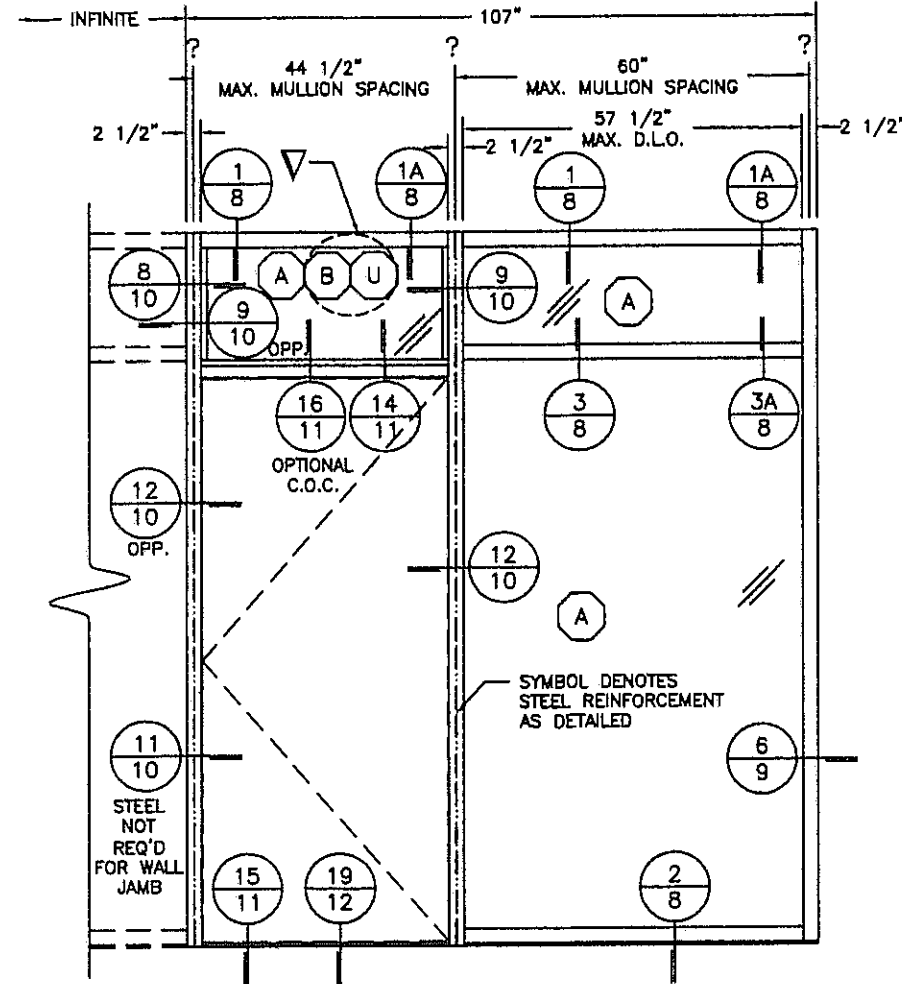
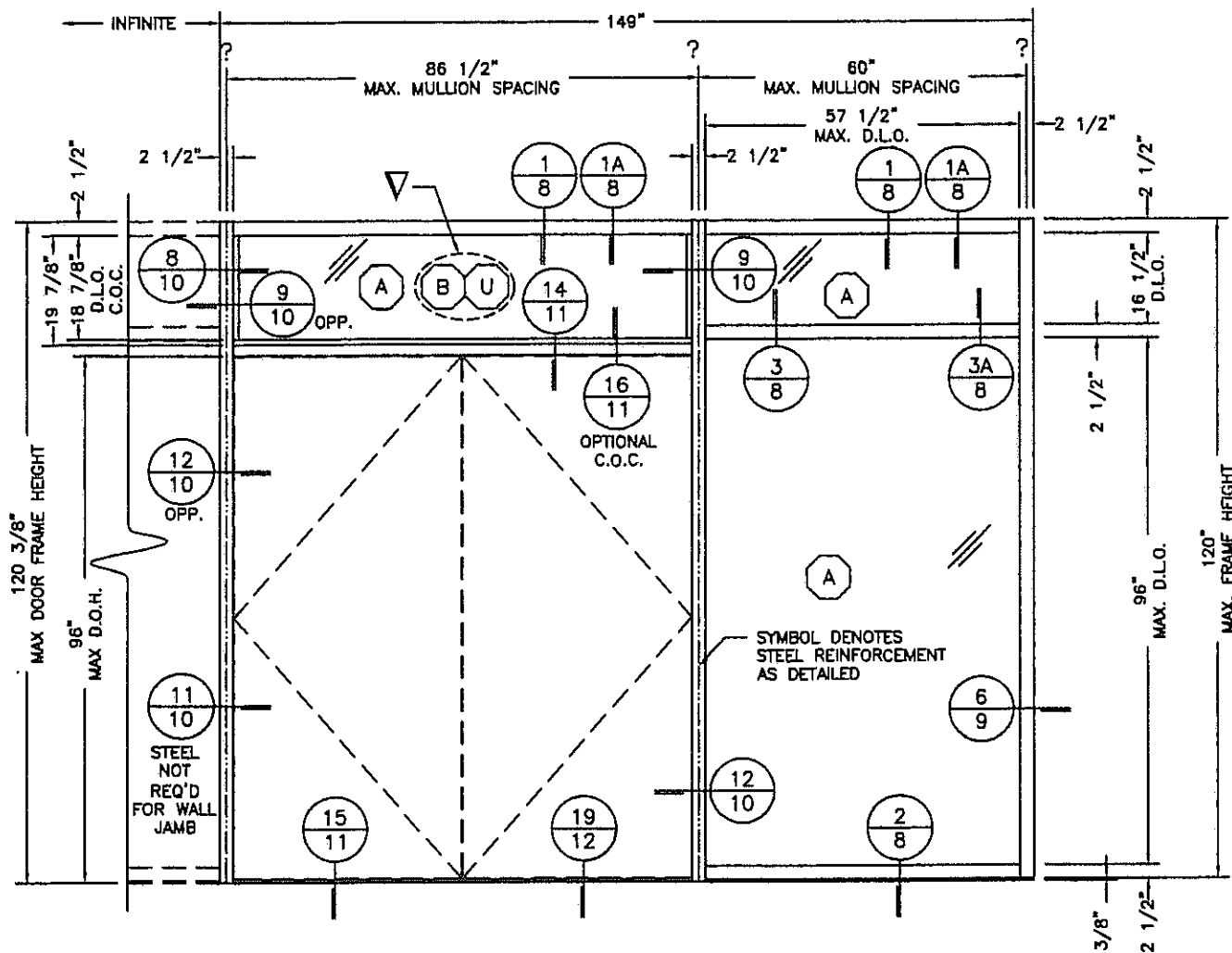
FRAMING ELEVATIONS

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

DRAWING NO.
FL500_03
SHEET 3 OF 45

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 205-445-0281



TYPICAL ELEVATIONS FOR DOORFRAMES WITH A TRANSOM - WITH OR WITHOUT A SIDE LIGHT-

SPECIAL NOTATION: TRANSOM GLASS TYPES
B & U ARE LIMITED TO +/-65 PSF

DESIGN PRESSURE = +70/-80 PSF

NOTES:

- GLASS SIZE=D.L.O. + 1-1/8"
- SEE SHEETS 14-16 FOR DOORFRAME PERIMETER FASTENER LOCATIONS
- HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY.
- SERIES 381 AND 281 DOORS ARE SHOWN ON SEPARATE SUBMISSION
- HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

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0 1'-4" 2'-8" 5'-4"
SCALE: 3/8"=1'-0"

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FLA. P.E. #21959

L. Waldrop
2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

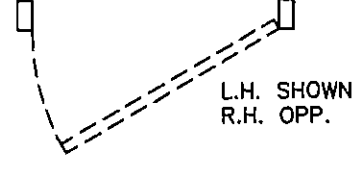
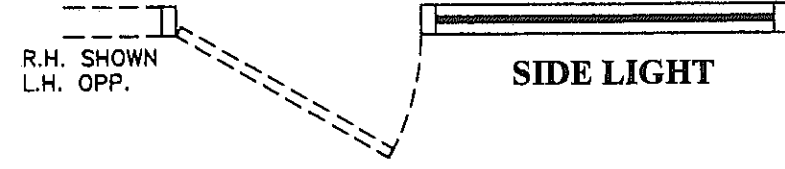
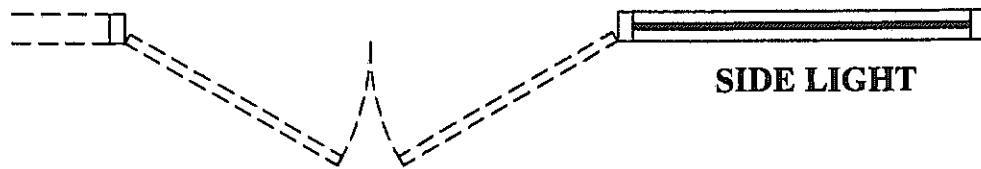
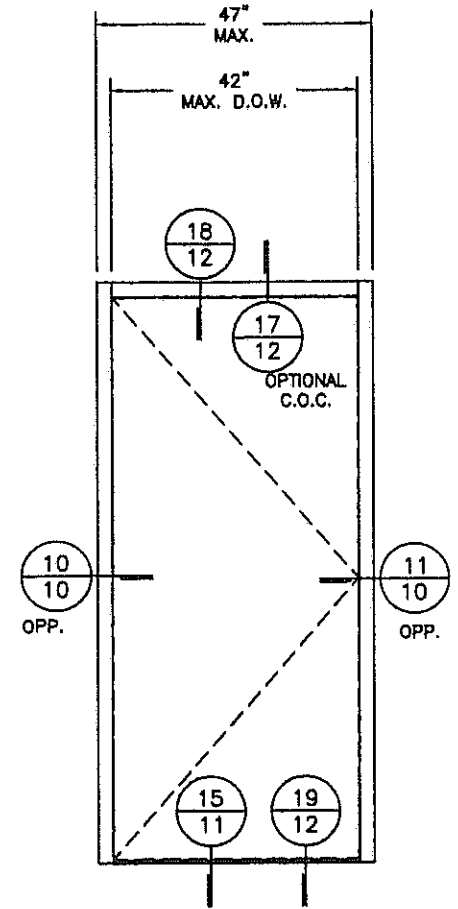
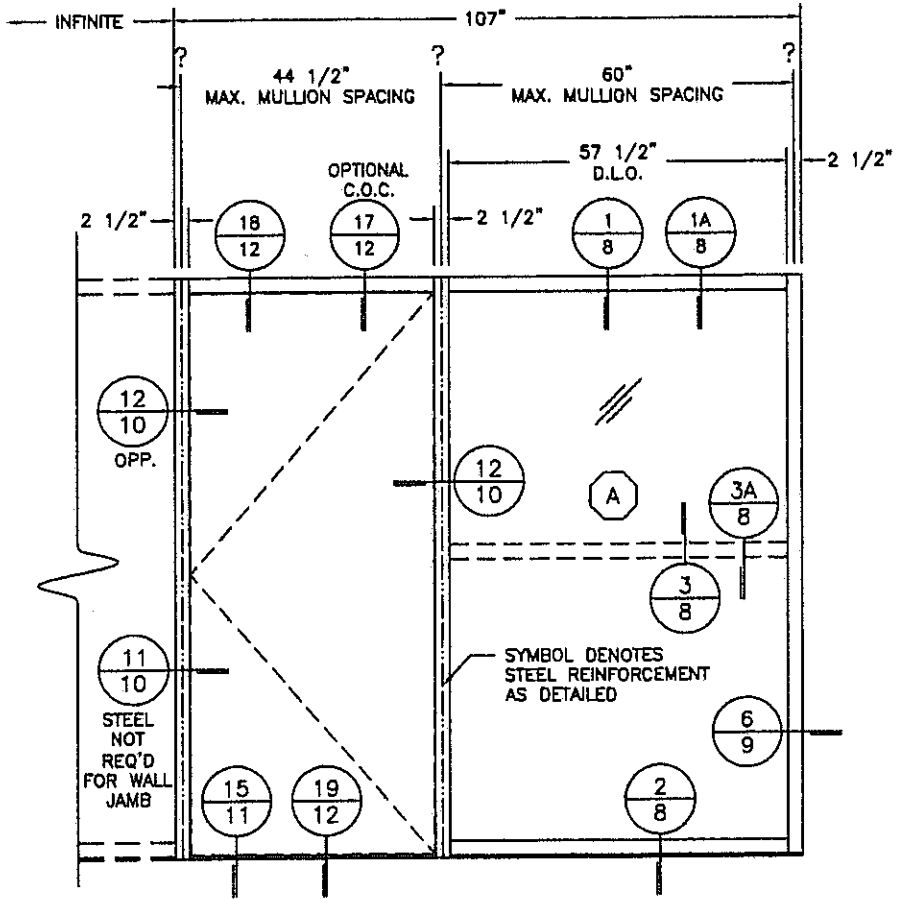
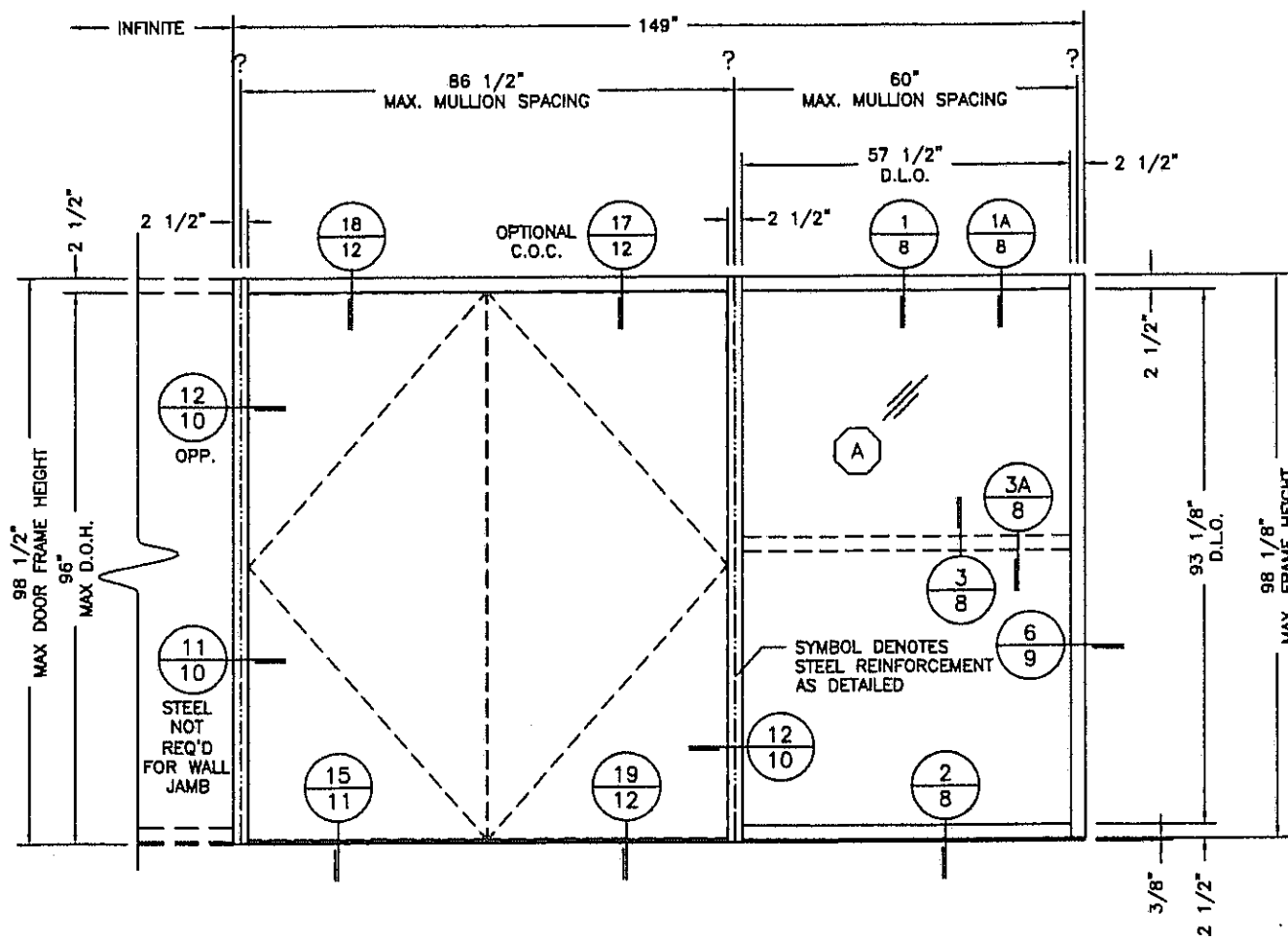
FRAMING ELEVATIONS

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.
DRAWING NO. FL500 03
SHEET 5 OF 46

Conal
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE 800-772-7737 FAX 205-443-0811

DESCRIPTION

REV BY DATE



**TYPICAL ELEVATIONS FOR DOORFRAMES WITHOUT A TRANSOM
- WITH OR WITHOUT A SIDE LIGHT-**

DESIGN PRESSURE = +70/-80 PSF

- NOTES:
1. GLASS SIZE=D.L.O. + 1'-1/8"
 2. SEE SHEETS 14-16 FOR DOORFRAME PERIMETER FASTENER LOCATIONS
 3. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY.
 4. SERIES 381 AND 281 DOORS ARE SHOWN ON SEPARATE SUBMISSION
 5. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

0 1'-4" 2'-8" 5'-4"
SCALE: 3/8"=1'-0"

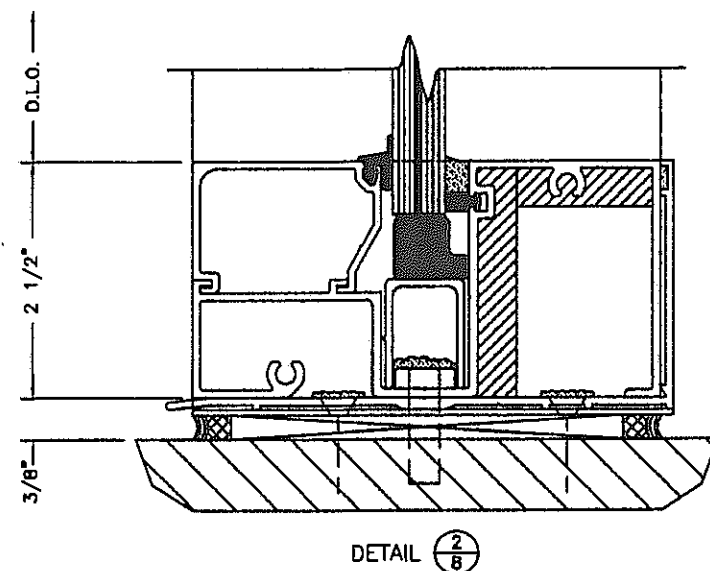
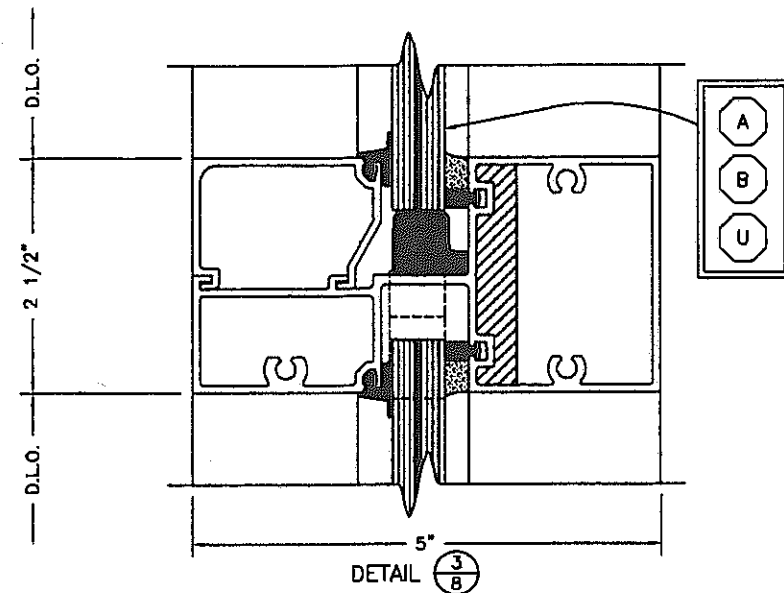
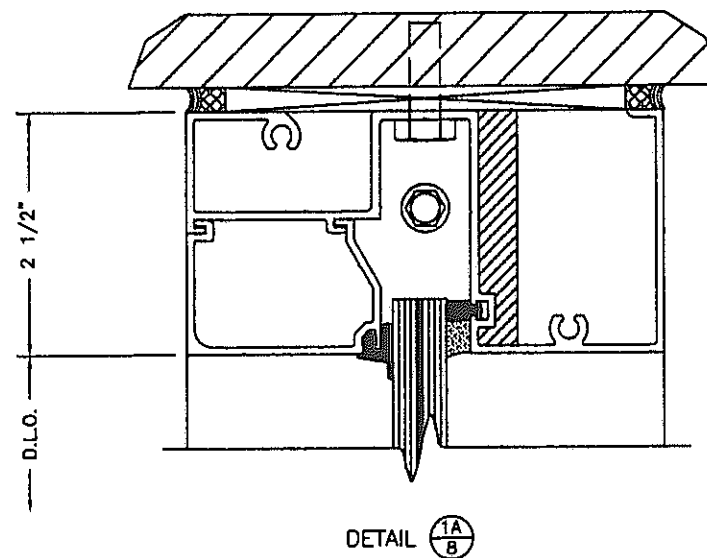
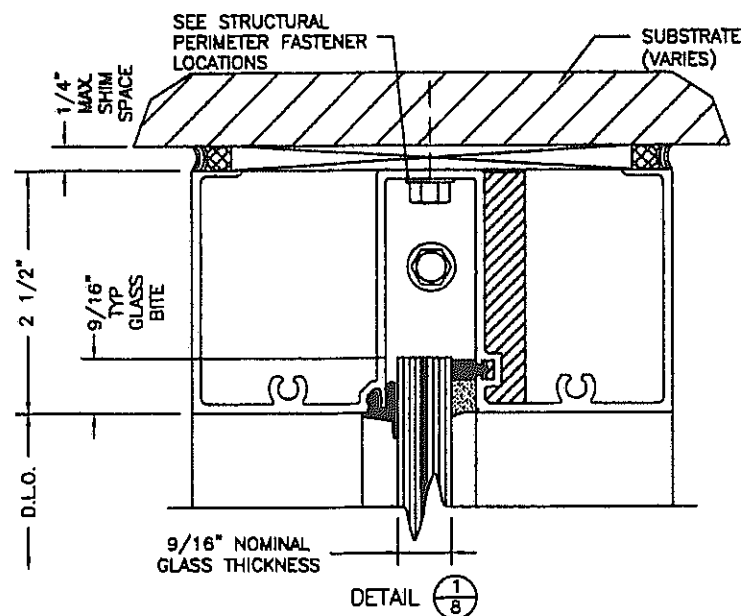
Lewis A. Waldrop, P.E.
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706-778-3784

Lewis A. Waldrop, P.E.
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Lewis A. Waldrop
2/11/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

3010 RICE MINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7737 FAX: 800-443-6261	
PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM PROTOCOLS: PA201/202/203	FRAMING ELEVATIONS
DATE 1/8/2008	DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.	DRAWING NO. FL500_03
SHEET 6 OF 48	DESCRIPTION



NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED

TYPICAL GLASS BITE IS 9/16\"

0 1" 2" 4"
SCALE: 6" = 1'-0"

GLAZING SCHEDULE

GLASS MARK	GLASS TYPE	MANUFACTURER	MAXIMUM DLO (INCHES)	MAX SQ. FT.
(A)	9/16" LAMINATED -1/4" H.S. -.075 VS02 -1/4" H.S. N.O.A. 03-0514.15	SOLUTIA	57 1/2 X 96	38.3
(B)	9/16" LAMINATED -1/4" H.S. -.090 SAFLEX PVB -1/4" H.S. N.O.A. D3-0105.02	SOLUTIA	45 1/2 X 96	30.3
(U)	9/16" LAMINATED -1/4" H.S. -.120 UVEKOL -1/4" H.S. N.O.A. 03-1117.05	CORAL INDUSTRIES	45 1/2 X 84	26.5
(A)	9/16" LAMINATED -1/4" H.S. -.075 VS02 -1/4" H.S. N.O.A. 03-0514.15	SOLUTIA	45 1/2 X 96	30.3
(U)	9/16" LAMINATED -1/4" H.S. -.120 UVEKOL -1/4" H.S. N.O.A. 03-1117.05	CORAL INDUSTRIES	45 1/2 X 96	30.3

TYPICAL GLASS SIZE = DLO + 1-1/8"

OPTIONS AND LIMITATIONS					
DESIGN PRESSURE P.S.F.	INTERMEDIATE VERTICAL MULLION	WALL JAMB MULLION	MAX MULLION SPAN (INCHES)	MAX SPACING ? TO ? (INCHES)	QUALIFIED GLASS TYPES
+60/-60	FL516/FL505 HEAVY DUTY MULLION	FL501	120	48	(B)(U)
+65/-65	FL504/FL505	FL501	89	48	(B)(U)
+70/-80	FL504/FL505 W/SR504 STEEL REINFORCEMENT	FL501	120	60	(A)

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2/21/08

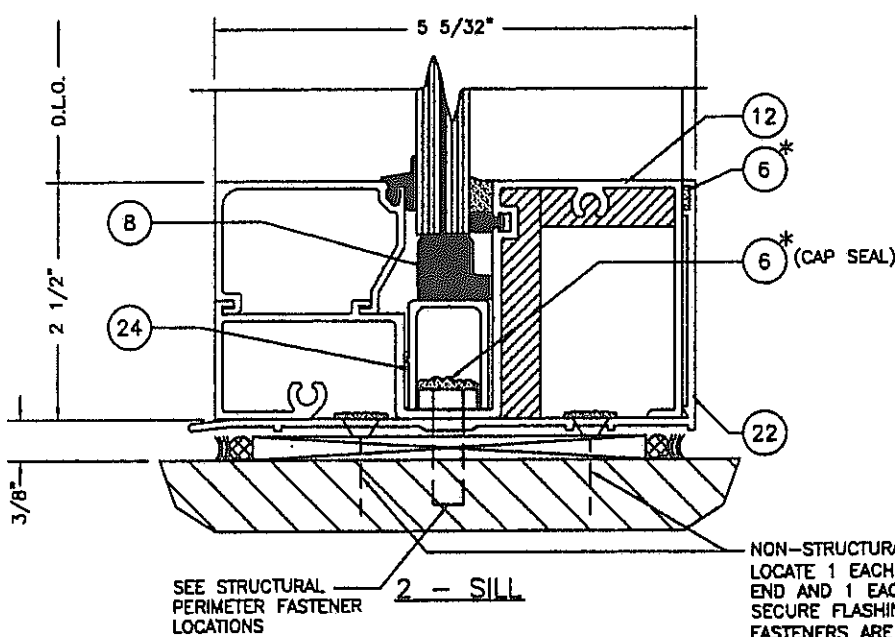
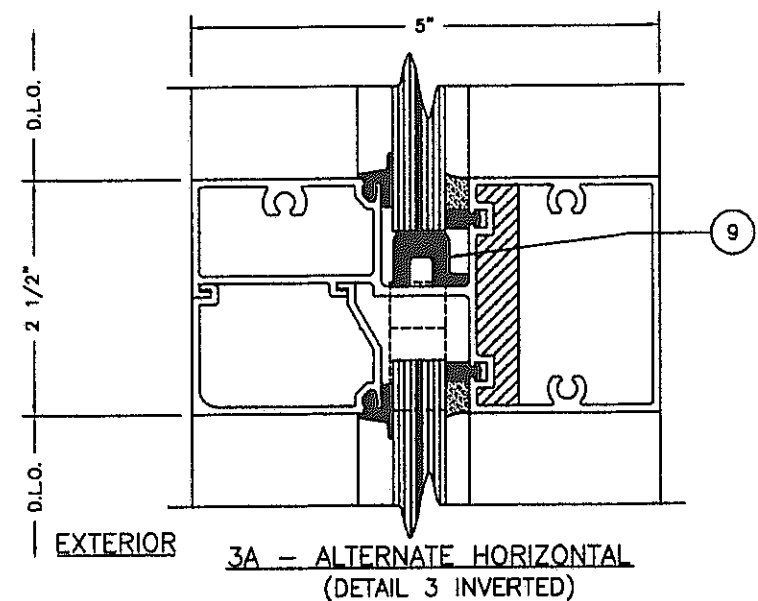
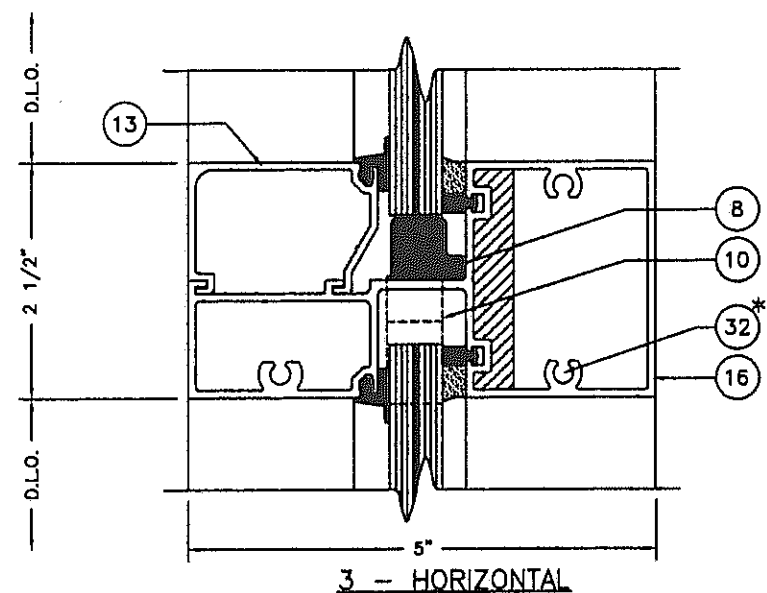
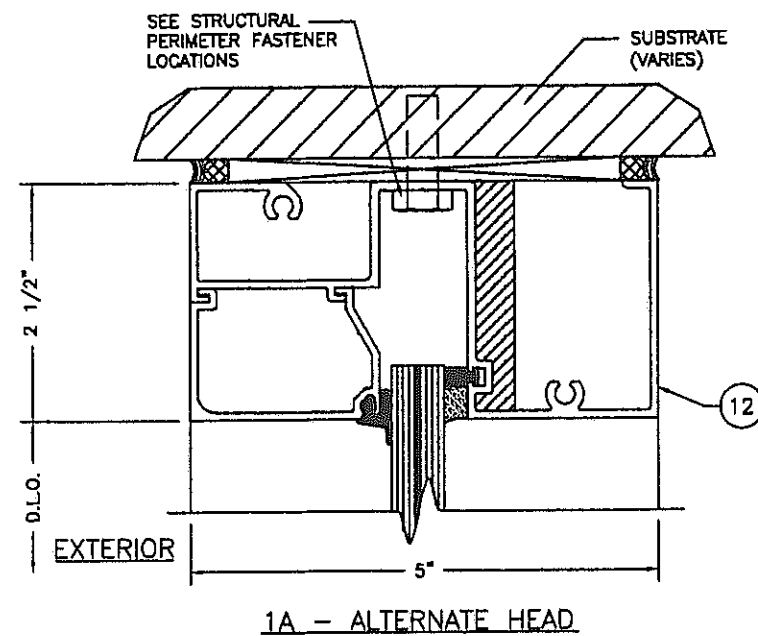
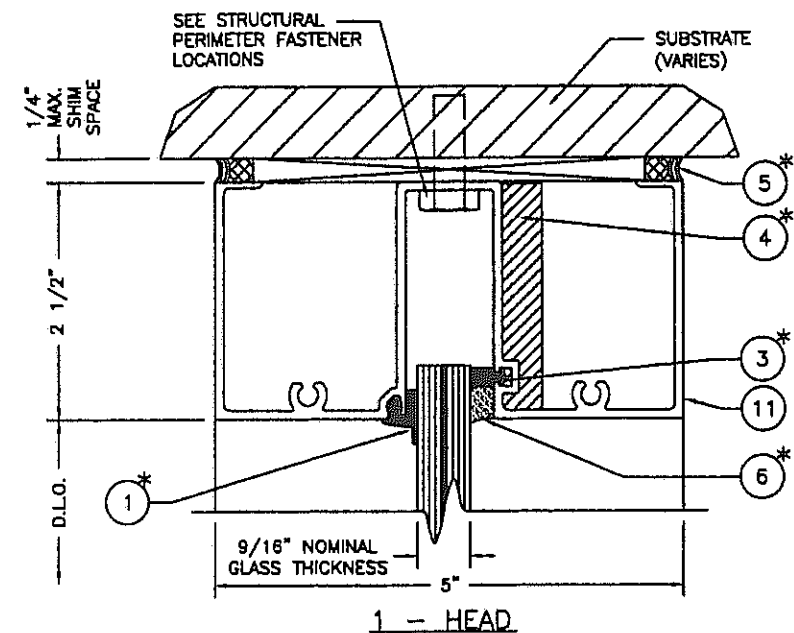
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7737 FAX: 800-443-8261

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

GLAZING SCHEDULE

DATE 1/8/2008
DRAWN PCH CHECKED JDW APPROVED JDW
PROJECT NO.
DRAWING NO. FL500_03
SHEET 7 OF 49

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL



NOTE: THE INTERIOR IS ON THE RIGHT OF VERTICAL SECTION CUTS UNLESS OTHERWISE NOTED

NON-STRUCTURAL FASTENERS LOCATE 1 EACH @ 24" FROM EACH END AND 1 EACH @ MID-POINT TO SECURE FLASHING UNTIL PERIMETER FASTENERS ARE INSTALLED. (CAP SEAL) 43 44 45 6*

1* TYPICAL EXTERIOR GASKET

3* TYPICAL INTERIOR SPACER GASKET

4* TYPICAL @ ALL JOINT INTERSECTIONS

5* TYPICAL PERIMETER SEALANT

6* TYPICAL INTERIOR SEALANT

10* TYPICAL @ EACH END OF INTERM. HORIZ.

32* TYPICAL @ ALL SPLINES

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2/21/08

1/4" MAXIMUM SHIM SPACE TYPICAL AT PERIMETER UNLESS OTHERWISE NOTED

0 1" 2" 4"
SCALE: 6" = 1'-0"

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING DETAILS

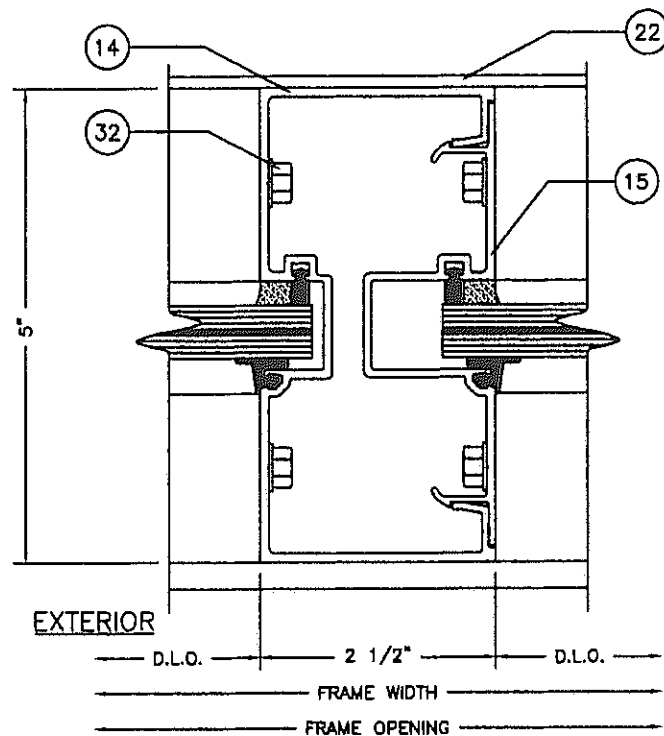
DATE	1/8/2008
DRAWN PCH	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	8 OF 56

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Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35408
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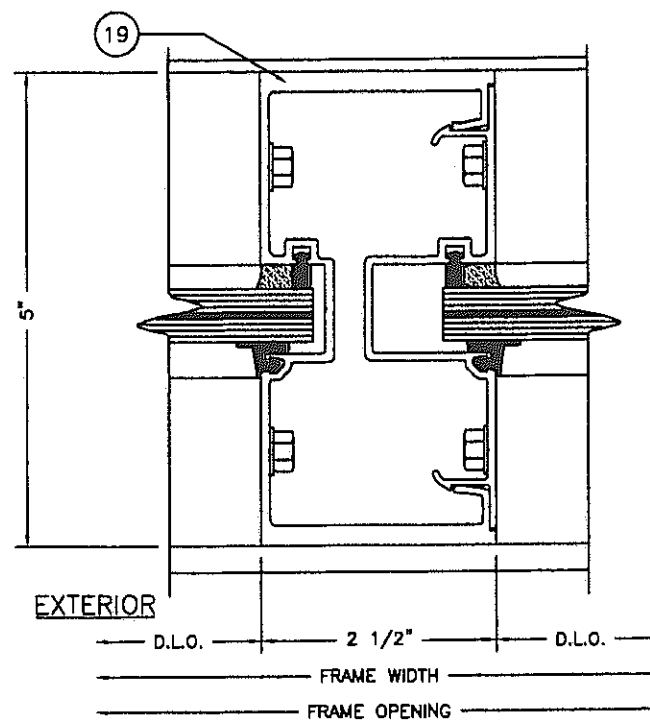
DESCRIPTION

DATE

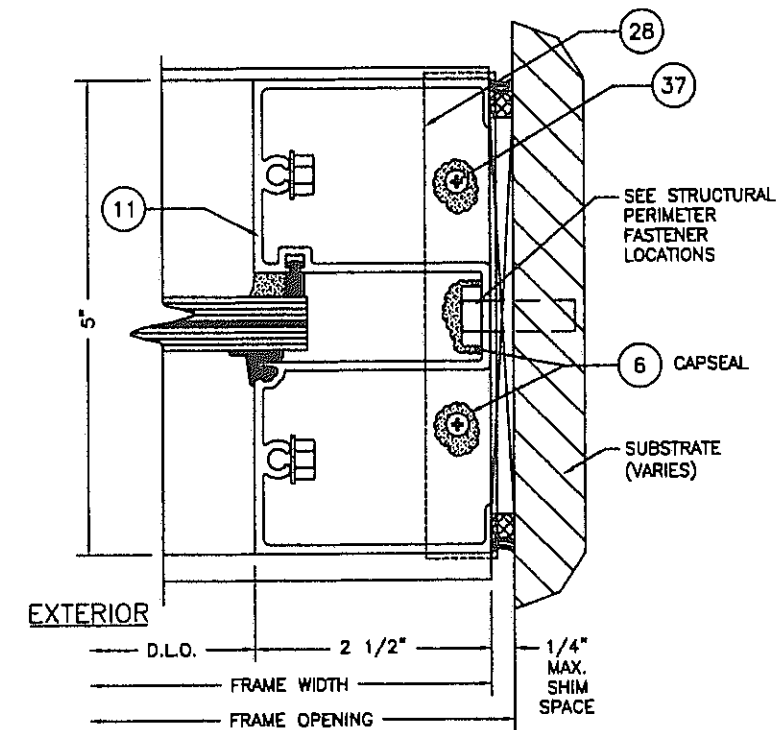
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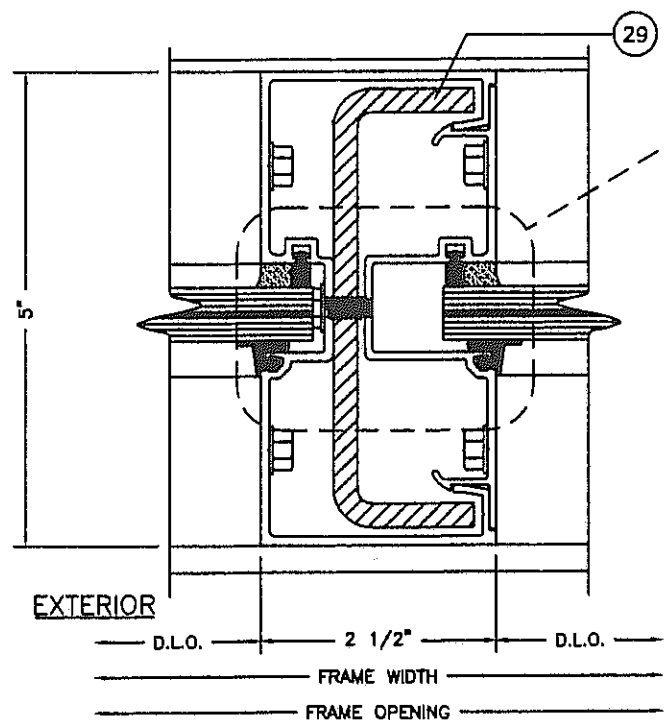
4 - LIGHT INTERM. VERTICAL



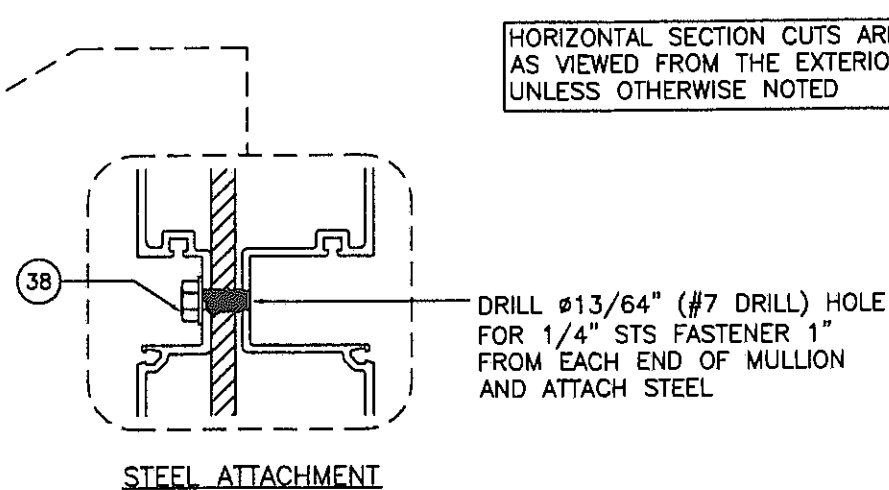
5 - HEAVY VERTICAL MULLION



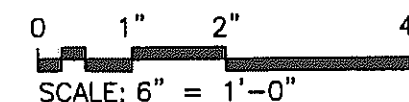
6 - WALL JAMB



7 - LIGHT INTERM. VERTICAL WITH STEEL



HORIZONTAL SECTION CUTS ARE AS VIEWED FROM THE EXTERIOR UNLESS OTHERWISE NOTED



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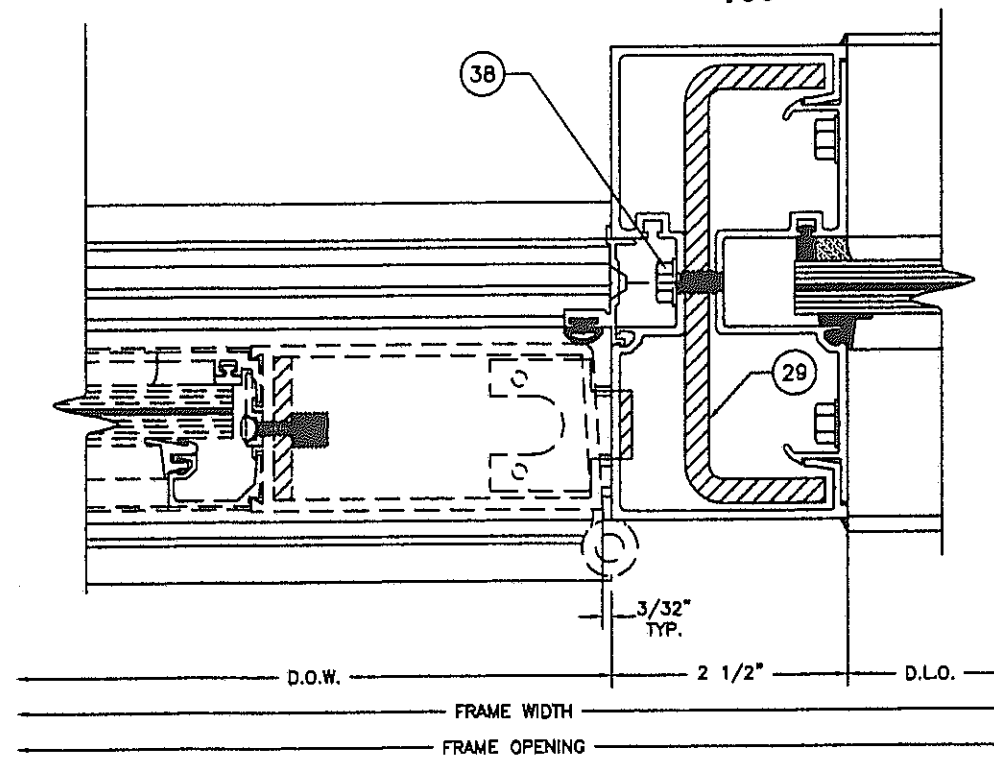
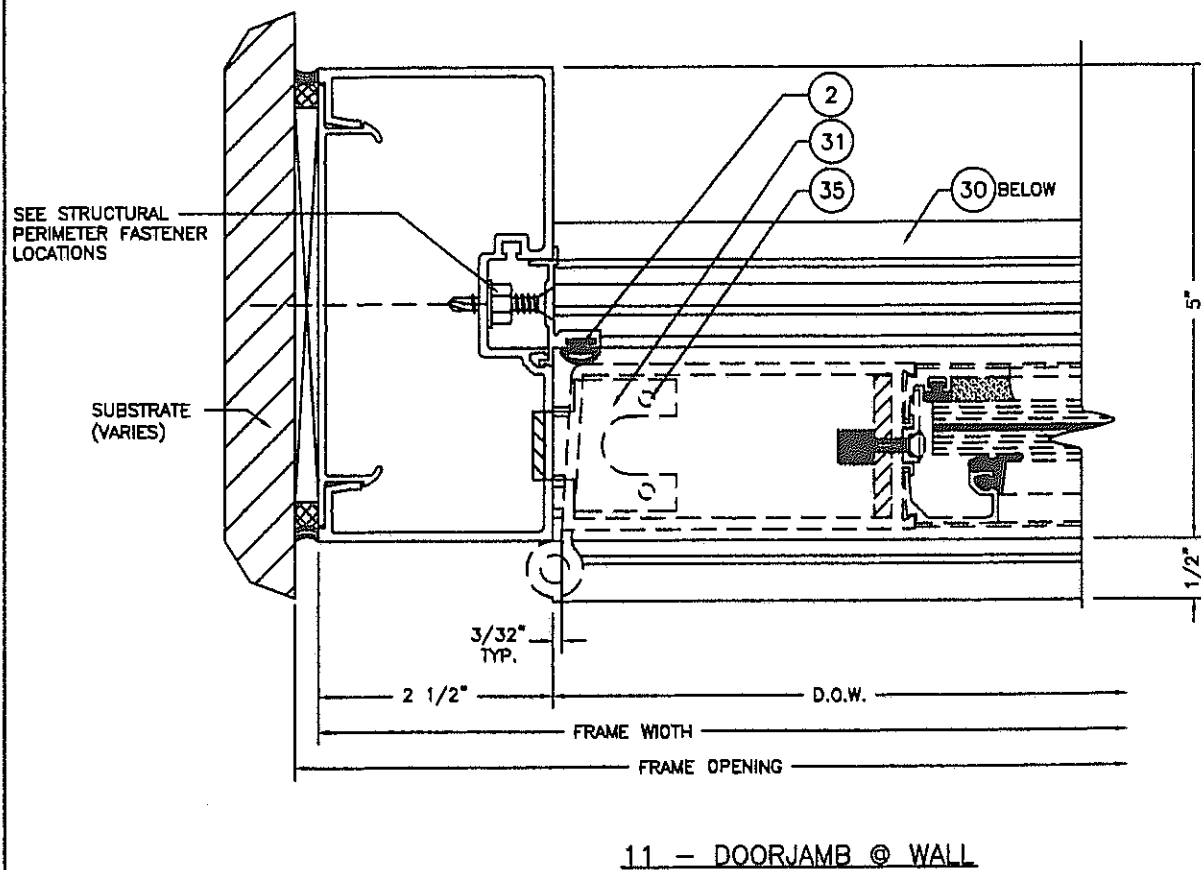
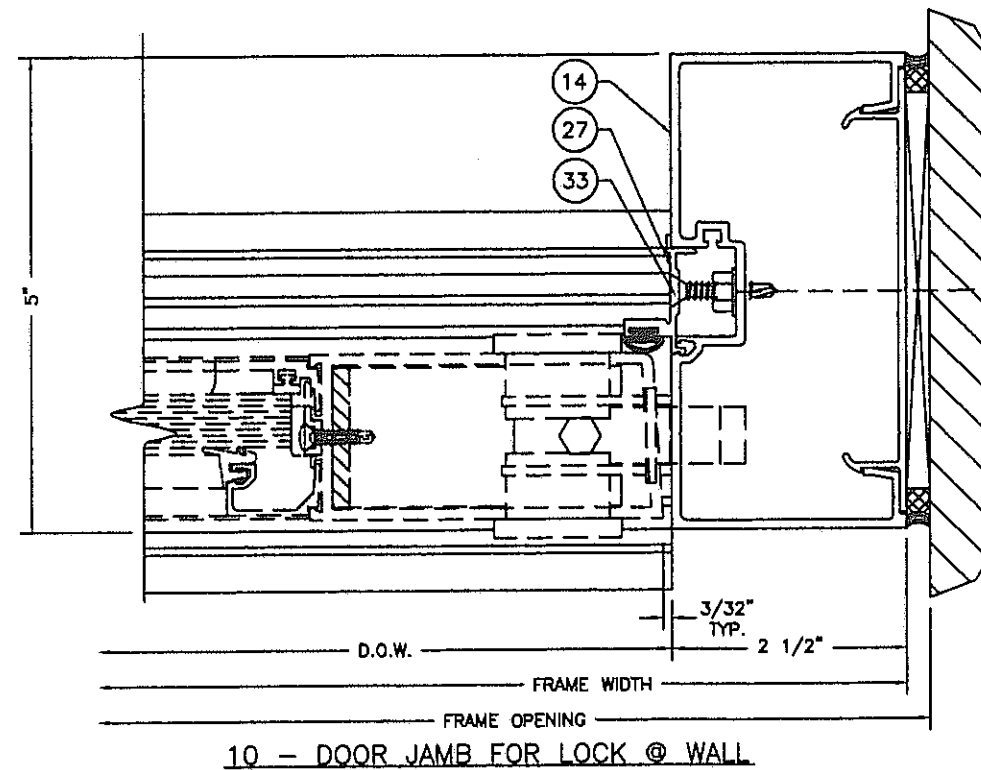
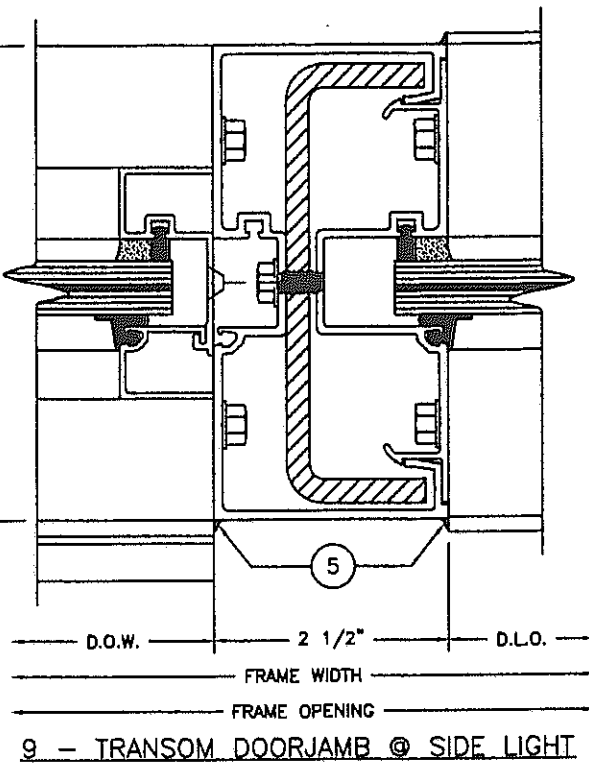
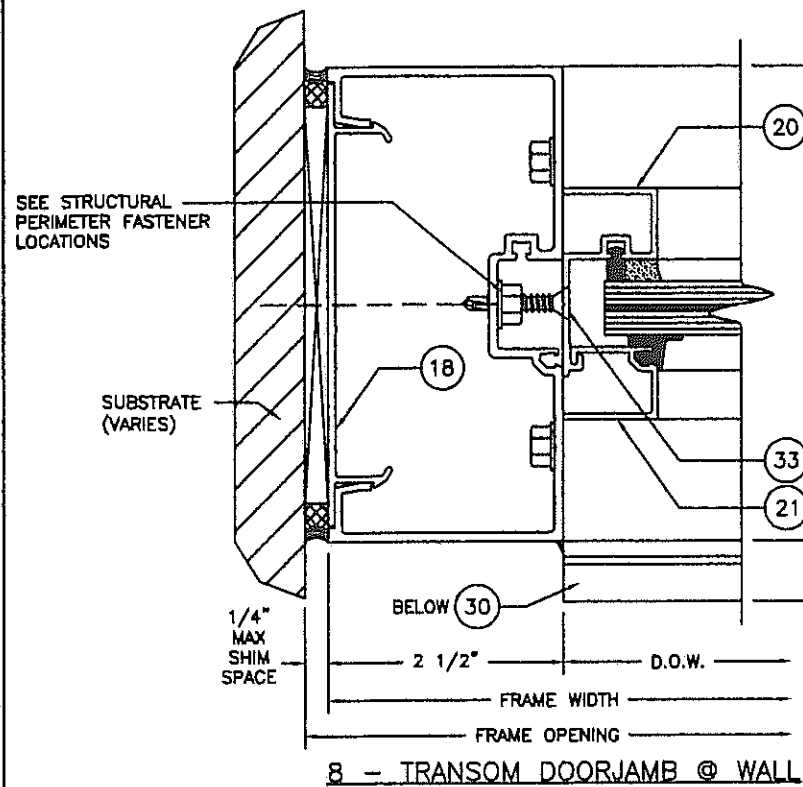
DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING DETAILS

DATE	1/8/2008
DRAWN PCH	CHECKED JDW
APPROVED JDW	
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	9 OF 51

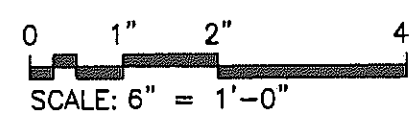
Conal
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
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2/21/05

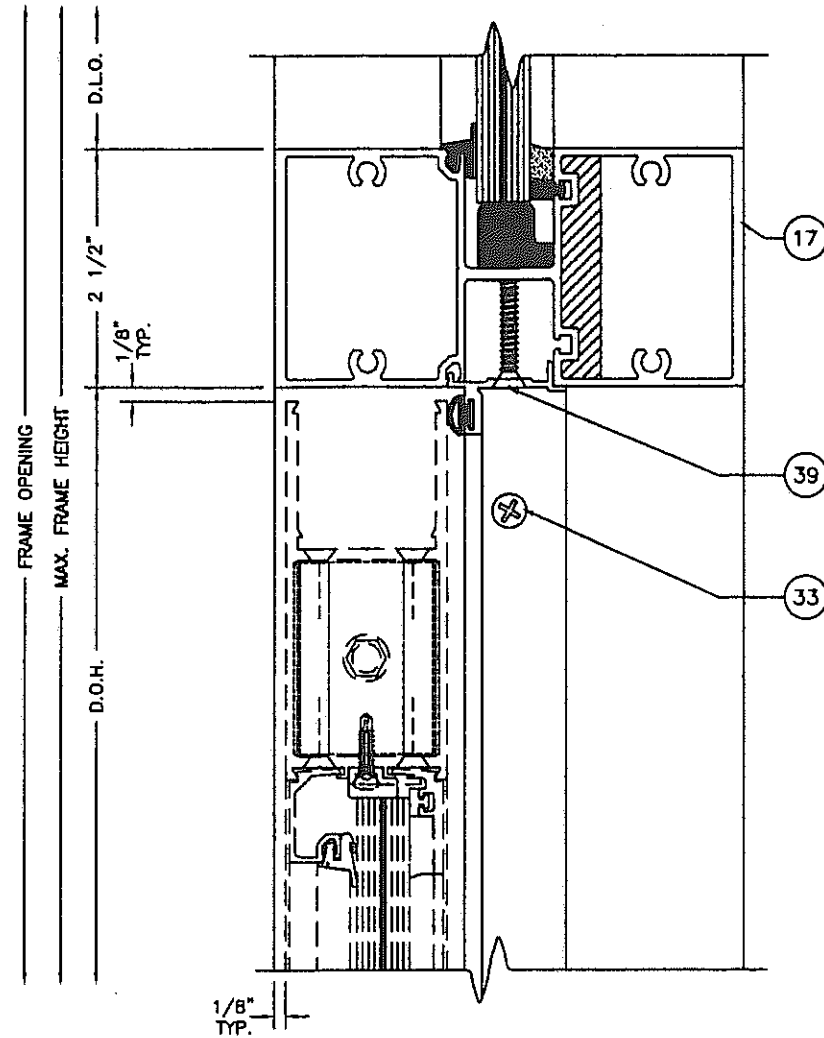


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3010 RICE WINE ROAD, TUSCALOOSA, AL 35408
PHONE: 800-772-7371 FAX: 205-343-6261

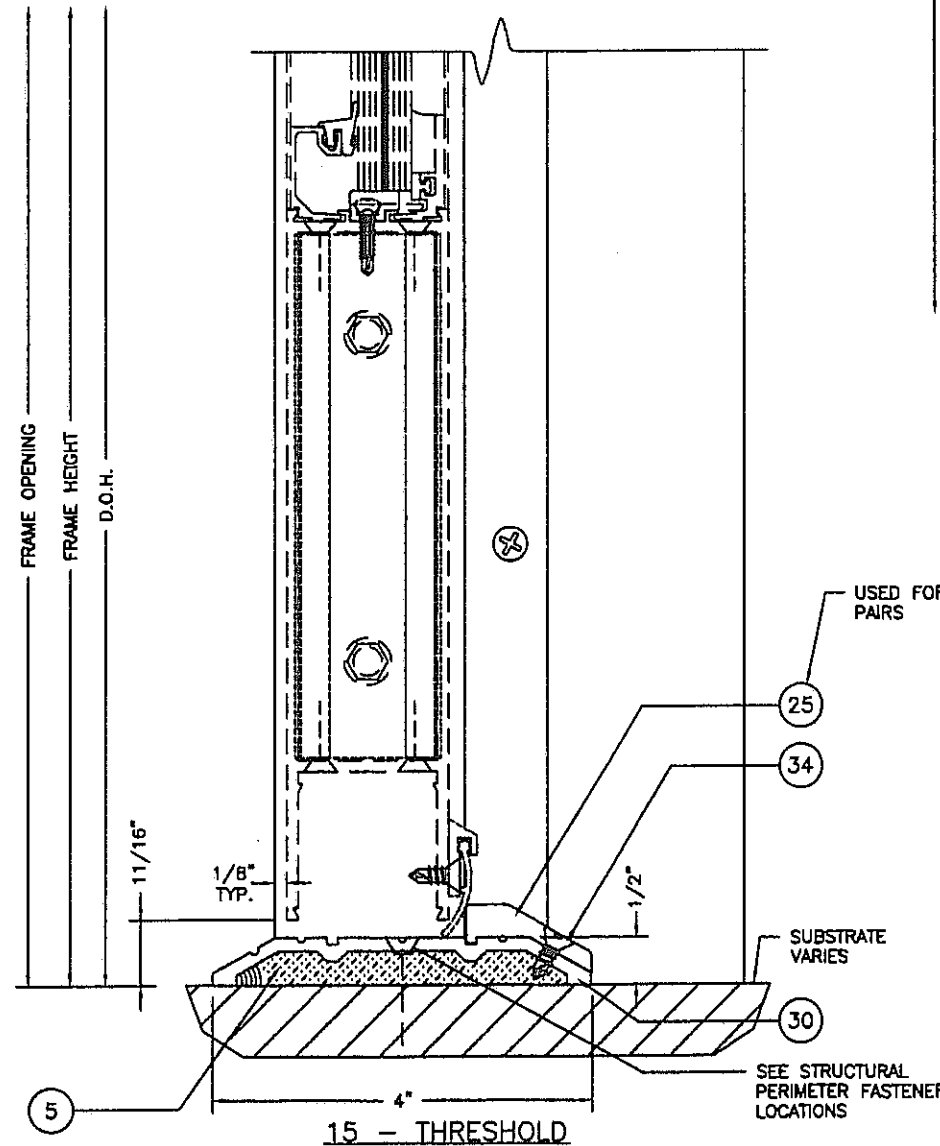
PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203
FRAMING DETAILS

DATE			1/8/2008		
DRAWN		CHECKED		APPROVED	
PCH		JDW		JDW	
PROJECT NO.					
DRAWING NO.					
FL500 03					
SHEET		10 OF 52			

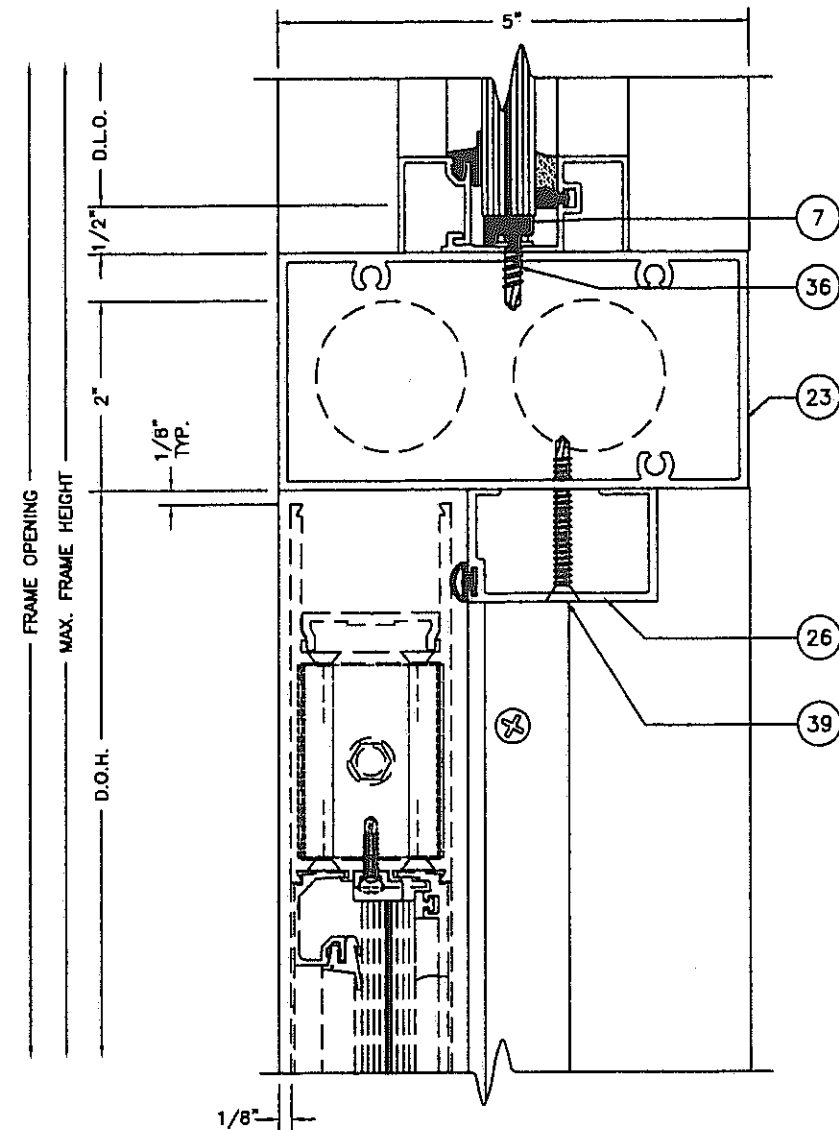
DRAWINGS FOR
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PRODUCT APPROVAL



14 - TRANSOM BAR FOR S.A.C.



15 - THRESHOLD



16 - TRANSOM BAR WITH C.O.C. FOR OFFSET ARM

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Lewis A. Waldrop
2/4/108

0 1" 2" 4"
SCALE: 6" = 1'-0"

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

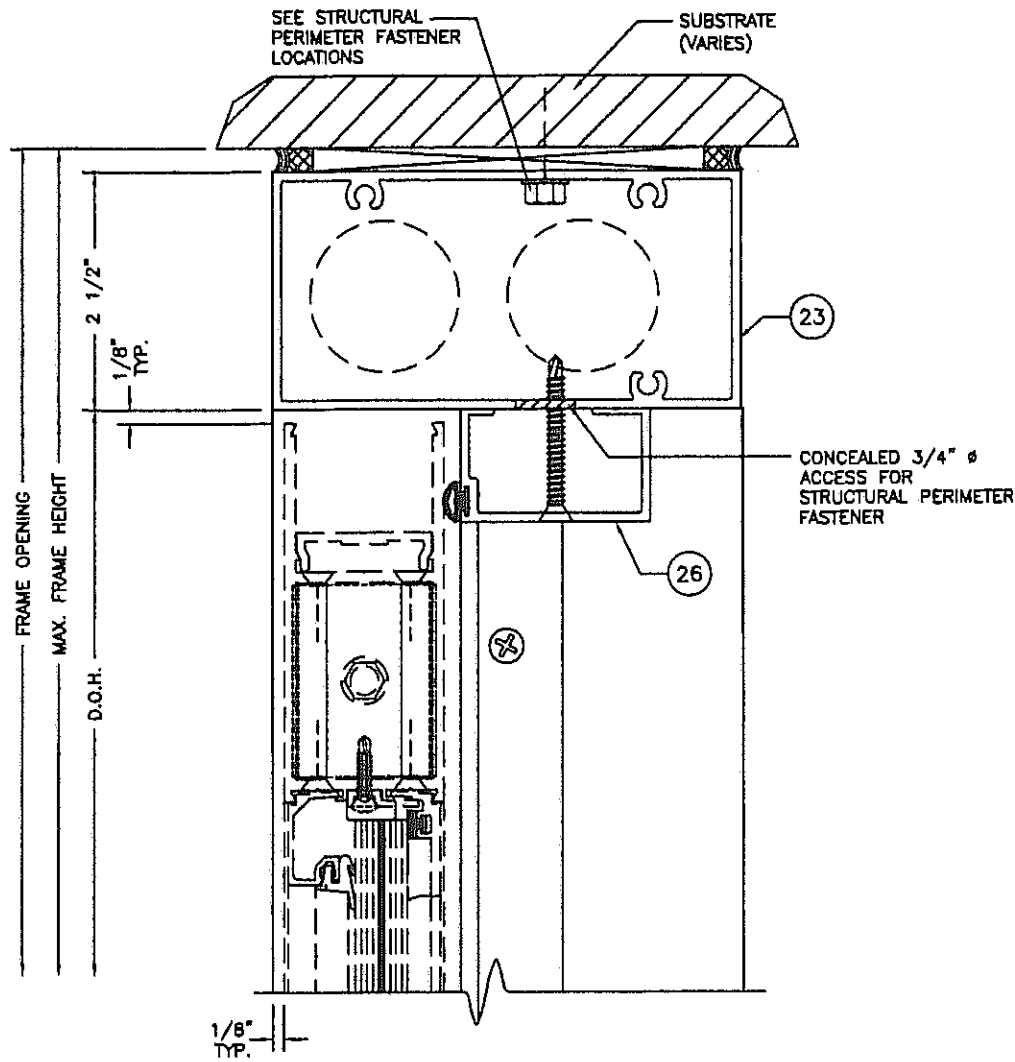
FRAMING DETAILS

DATE		
1/8/2008		
DRAWN	CHECKED	APPROVED
PCH	JDW	JDW
PROJECT NO.		
DRAWING NO.		
FL500 03		
SHEET		
11 OF 53		

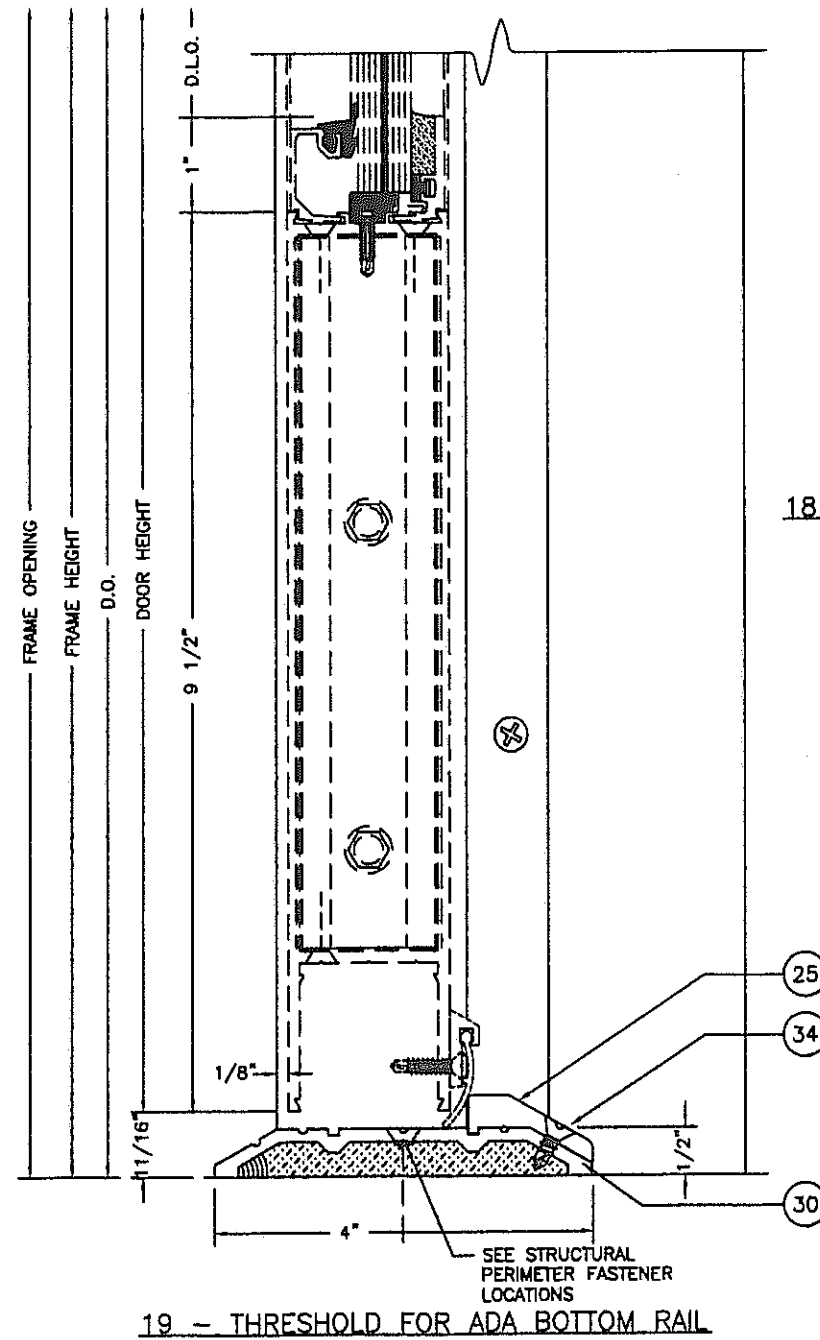
Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-443-8281

DESCRIPTION

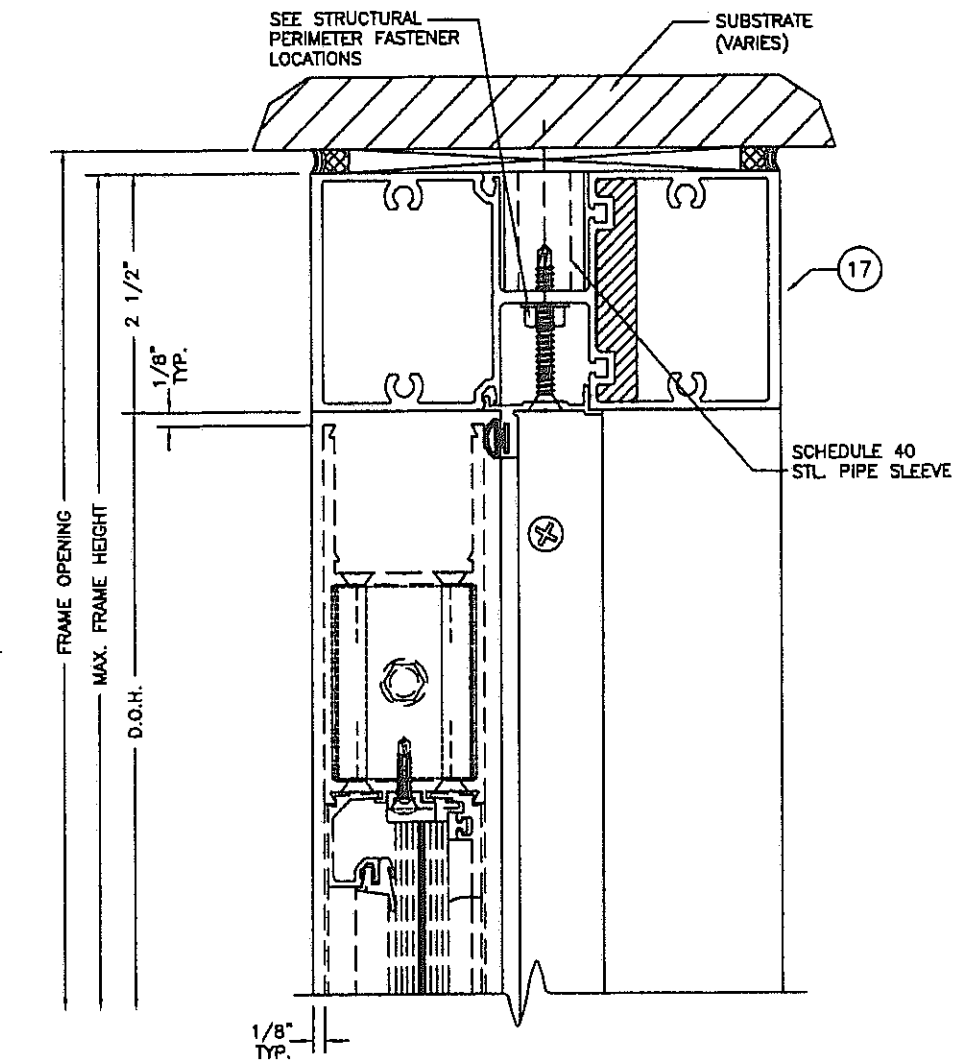
REV BY DATE



17 - C.O.C. DOOR FRAME HEADER

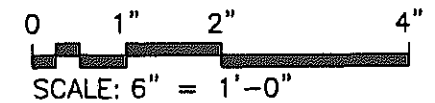


19 - THRESHOLD FOR ADA BOTTOM RAIL



18 - DOOR FRAME HEADER FOR SURFACE APPLIED CLOSER

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L. Waldrop
2/21/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
PROTOCOLS: PA201/202/203

FRAMING DETAILS

DATE 1/8/2008		
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 12 OF 54		

Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE 205-772-7737 FAX 205-445-6231

REV	BY	DATE	DESCRIPTION

BILL OF MATERIALS

ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1	NG1	EXTERIOR GLAZING GASKET	0.120 SPACE	EPDM	VARIES	
2	NG5	BULB GASKET FOR (27)	0.260 SPACE	EPDM	VARIES	
3	NG14	INTERIOR SPACER GASKET	0.250 SPACE	EPDM	VARIES	
4	SM5601	JOINT SEALANT TAPE	0.500 X 0.125 X VARIES	BUTYL	SCHNEE-MOOREHEAD	
5	795	SILICONE - PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED @ PERIMETER
6	995	SILICONE - GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERNAL
7	SB11	SETTING BLOCK @ TRANSOM SASH	0.313 X 1.250 X 4.000	EPDM	VARIES	2 PER LITE
8	SB13	SETTING BLOCK @ SILL & HORIZONTAL	0.313 X 1.250 X 4.000	EPDM	VARIES	2 PER LITE
9	SB20	SETTING BLOCK @ INVERTED HORIZONTAL	0.800 X 0.548 X 4.000	EPDM	VARIES	2 PER LITE
10	WD200-1	WATER DIVERTER	1.358 X 0.594 X 0.050	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	@ EACH END OF INTERM. HORIZONTAL
11	FL501	HEAD OR WALL JAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
12	FL502	SILL OR HEAD	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
13	FL503	GLASS STOP	1.250 X 2.021 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
14	FL504	STD. VERTICAL MULLION/DOORJAMB	2.500 X 5.000 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	FL505	OPEN BACK MULLION FILLER	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	FL506	INTERMEDIATE HORIZONTAL	2.500 X 4.980 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	FL507	DOOR HEADER FOR SURFACE MOUNTED CLOSER	2.000 X 5.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	FL515	FLAT FILLER AT DOORJAMB	0.681 X 4.670 X 0.080	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOORJAMB AT WALL
19	FL516	HEAVY VERTICAL MULLION	2.500 X 5.000 X 0.213	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	FL517	TRANSOM SASH	1.000 X 1.918 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	FL518	TRANSOM GLASS STOP	1.000 X 0.767 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	FL519	SUBSILL FLASHING	2.620 X 5.402 X 0.084	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
23	FL562	DOOR HEADER FOR C.O.C.	2.500 X 4.980 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	GS500-1	SETTING CHAIR	1.156 X 0.844 X 0.078	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
25	DP200-1	PANIC DOORSTOP AT PAIRS	0.402 X 1.323 X 0.188	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	DS202-1	DOORFRAME -OFFSET ARM COVER	1.188 X 2.000 X 0.090	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	RUNS FULL LENGTH OF DOORJAMB @ WALL
27	DS500	DOORSTOP	0.648 X 1.260 X 0.094	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
28	ED519-1	SILL FLASHING END DAM	2.500 X 1.000 X 0.062	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
29	SR504	STEEL REINFORCEMENT	4.562 X 1.250 X 0.250	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14)
30	TH4	THRESHOLD	0.500 X 4.000 X 0.125	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
31	TH403	THRESHOLD CLIP	1.900 X 1.909 X 0.126	STEEL	VARIES	
32	AS16	FASTENER	#14 X 1 HHSTS	STEEL	VARIES	TYP. SPLINE SCREW VERTICAL/HORIZONTAL JOINTS
33	AS18	FASTENER	#10 X 1-1/4" FHP	S. STEEL	VARIES	ATTACH (27) TO (14) / ATTACH (21) TO (14)
34	AS20	FASTENER	#10-16 X 1/2" FHP	STEEL	VARIES	ATTACH (25) TO (30)
35	AS24	FASTENER	#10-24 X 3/8 FHP	STEEL	VARIES	ATTACH (31) TO (14) AND (30)
36	AS25	FASTENER	#12 X 3/4" HWH	STEEL	VARIES	ATTACH (21) TO (23)
37	AS31	FASTENER	#6 X 3/8" PPH	S. STEEL	VARIES	ATTACH (28) TO (22)
38	AS38	FASTENER	#10-24 X 3/8 HH	STEEL	VARIES	ATTACH (28) TO (14)
39	AS39	FASTENER	#10 X 1-3/4" FHP S.D.	S. STEEL	VARIES	ATTACH (27) TO (17) / ATTACH (28) TO (18)
43	FASTENER	FOR ANCHORING (22) TO WOOD SUBSTRATE	#12 X 2" FHP WOOD SCREW	STEEL	VARIES	NON-STRUCTURAL
44	FASTENER	FOR ANCHORING (22) TO STEEL SUBSTRATE	#12 X 1-1/2" FHP TEK	STEEL	VARIES	NON-STRUCTURAL
45	FASTENER	FOR ANCHORING (22) TO CONCRETE SUBSTRATE	#12 X 2" FHP TAPCON	STEEL	VARIES	NON-STRUCTURAL

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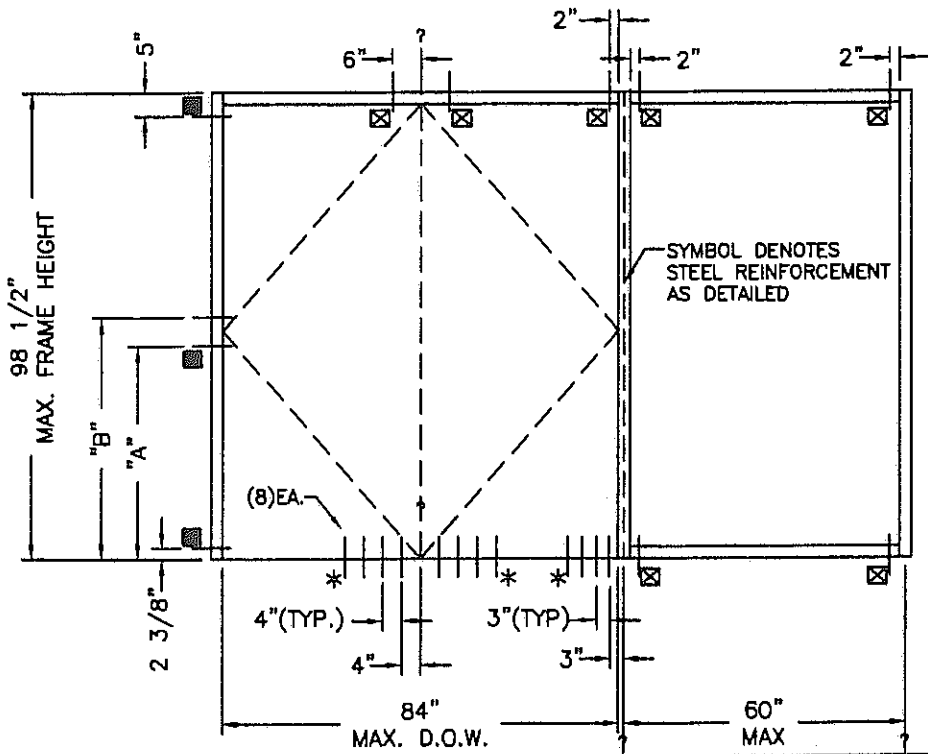
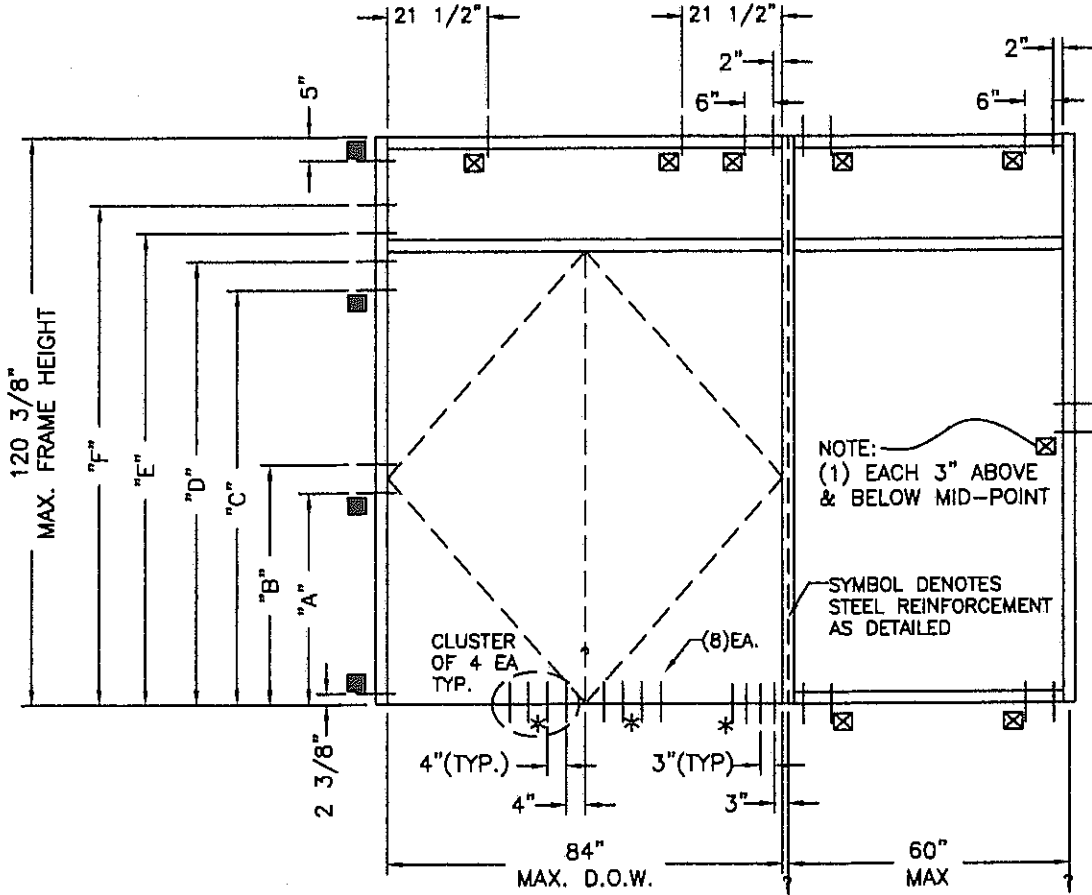
Lewis A. Waldrop
2/27/08

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

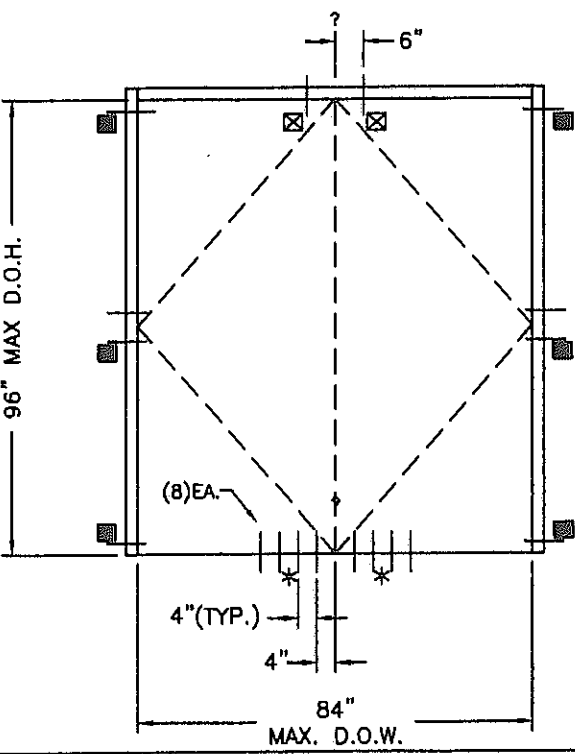
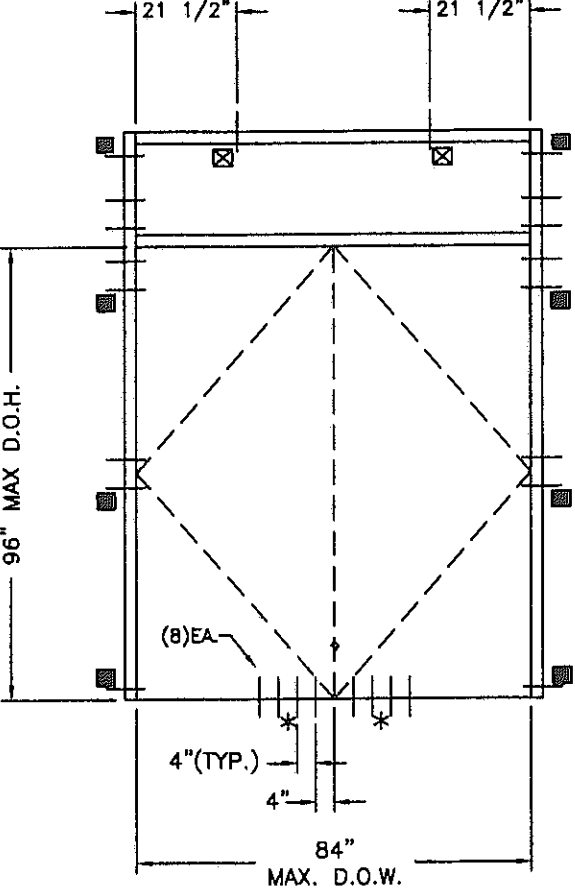
 3010 RICE MINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7737 FAX: 205-445-0251		
PRODUCT APPROVAL DRAWINGS FL500 WINDOW WALL SYSTEM		
BILL OF MATERIALS		
DATE	1/8/2008	
DRAWN PCH	CHECKED JDW	APPROVED JDW
PROJECT NO.		
DRAWING NO. FL500_03		
SHEET 13 OF 55		

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
CONCRETE SUBSTRATE MIN. 2,500 P.S.I.



PERIMETER FASTENER LOCATIONS						
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.					
	"A"	"B"	"C"	"D"	"E"	"F"
84"	45"	51"	76"	82"	89"	95"
96"	45"	51"	88"	94"	100"	106"



TYP. INSTALLATION INTO: 2,500 PSI CONCRETE SUBSTRATE	
■	3/8" X 4-1/2" LDT, 2" MIN. EMBEDMENT WITH FILLER PLATE FULL LENGTH OF MULLION
⊗	3/8" X 2-1/2" LDT, 2" MIN. EMBEDMENT
*	1/4" X 2-1/2" PFH TAPCON, 1-3/4" MIN. EMBEDMENT
6" MIN. SPACING @ 3/8"Ø TAPCON	
3" MIN. SPACING @ 1/4"Ø TAPCON	

MAXIMUM DESIGN PRESSURE
+70/-80 PSF

NOTES:
Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.
LEGEND
⊖ ⊕ EACH LINE REPRESENTS ONE FASTENER

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DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

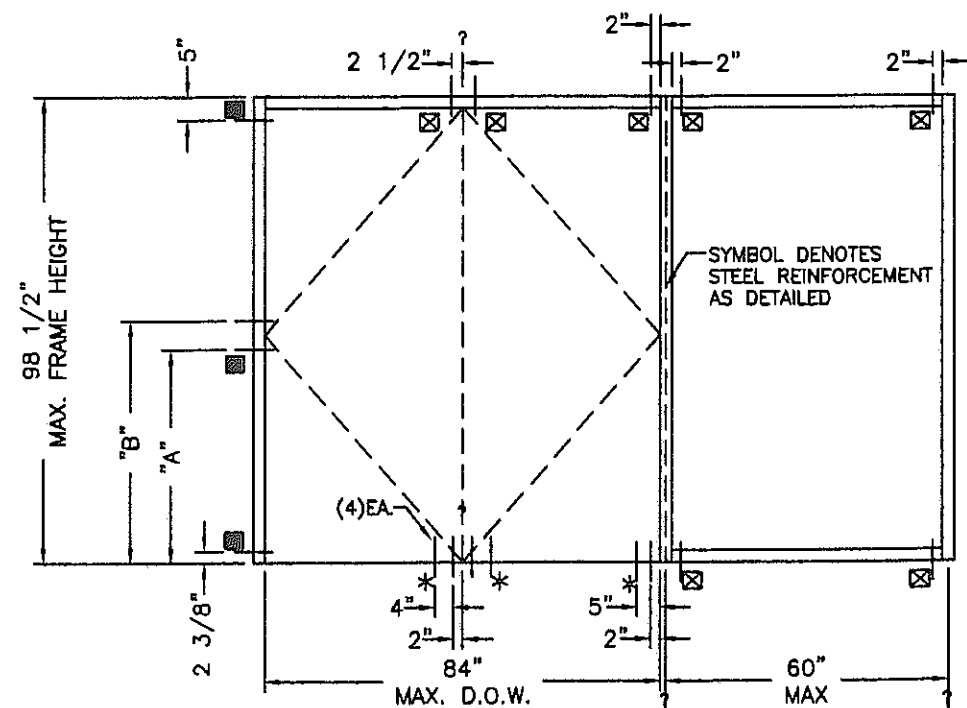
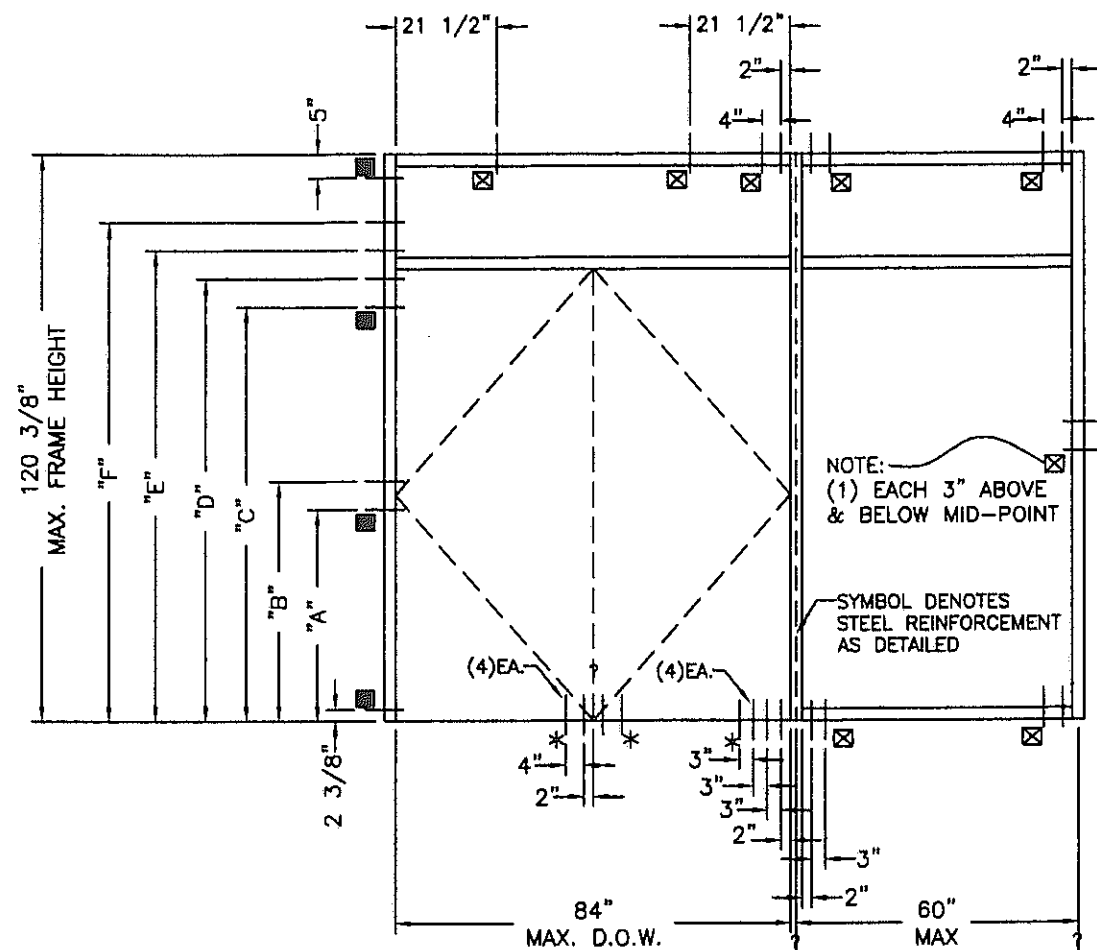


PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
DOORFRAMES
PERIMETER FASTENER LOCATIONS

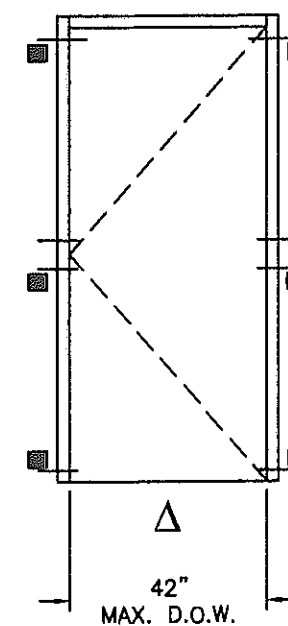
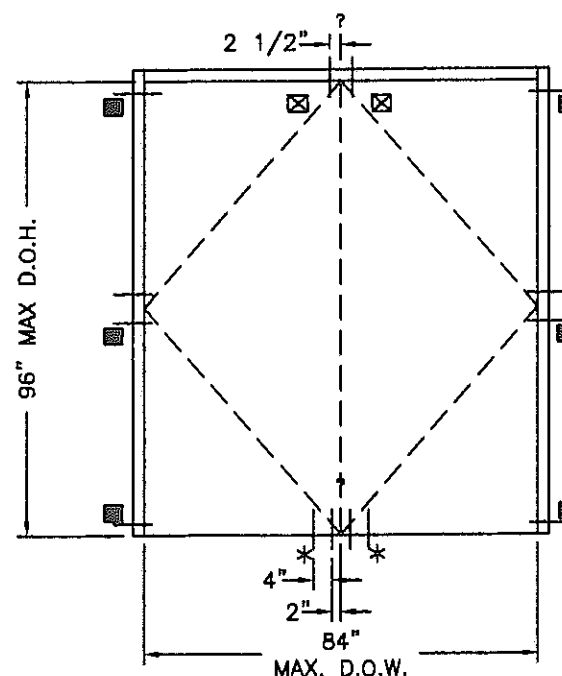
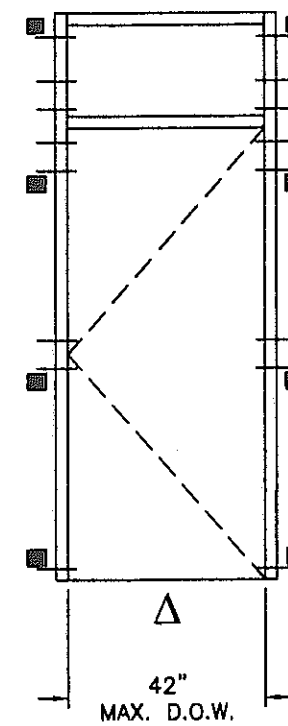
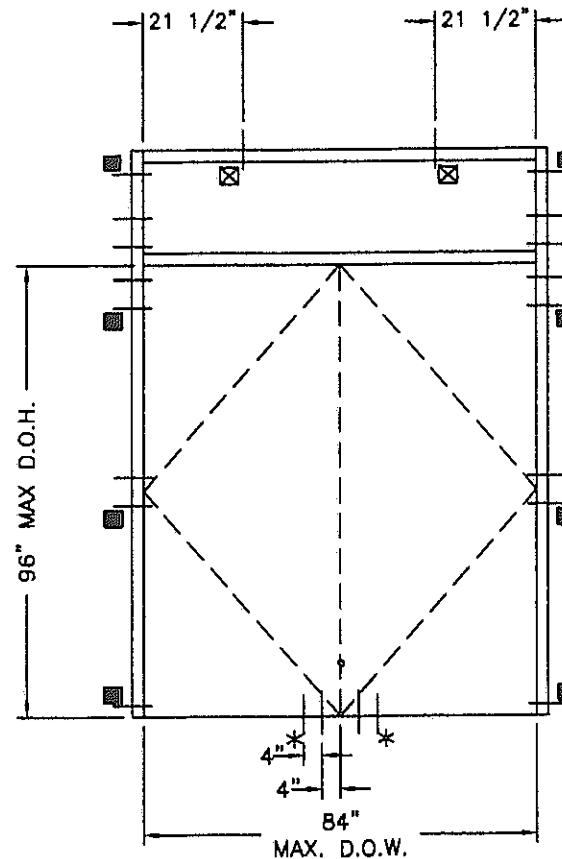
DATE	1/8/2008
DRAWN	PCJ
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	14 OF 56

PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
1/4" MIN. THICK STEEL SUBSTRATE



PERIMETER FASTENER LOCATIONS						
DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.					
	"A"	"B"	"C"	"D"	"E"	"F"
84"	45"	51"	76"	82"	89"	95"
96"	45"	51"	88"	94"	100"	106"



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2/21/18

NOTES:

Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

LEGEND

⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

MAXIMUM DESIGN PRESSURE
+70/-80 PSF

TYP. INSTALLATION INTO: STEEL SUBSTRATE	
■	3/8"-16 X 3 1/2" HWH TYPE "F" TCS FILLER PLATE FULL LENGTH OF MULLION
⊗	3/8"-16 X 1 1/2" HWH TYPE "F" TCS SCREW
*	1/4"-12 X 1 1/2" PFH #3 TEK SCREW 2" MIN SPACING

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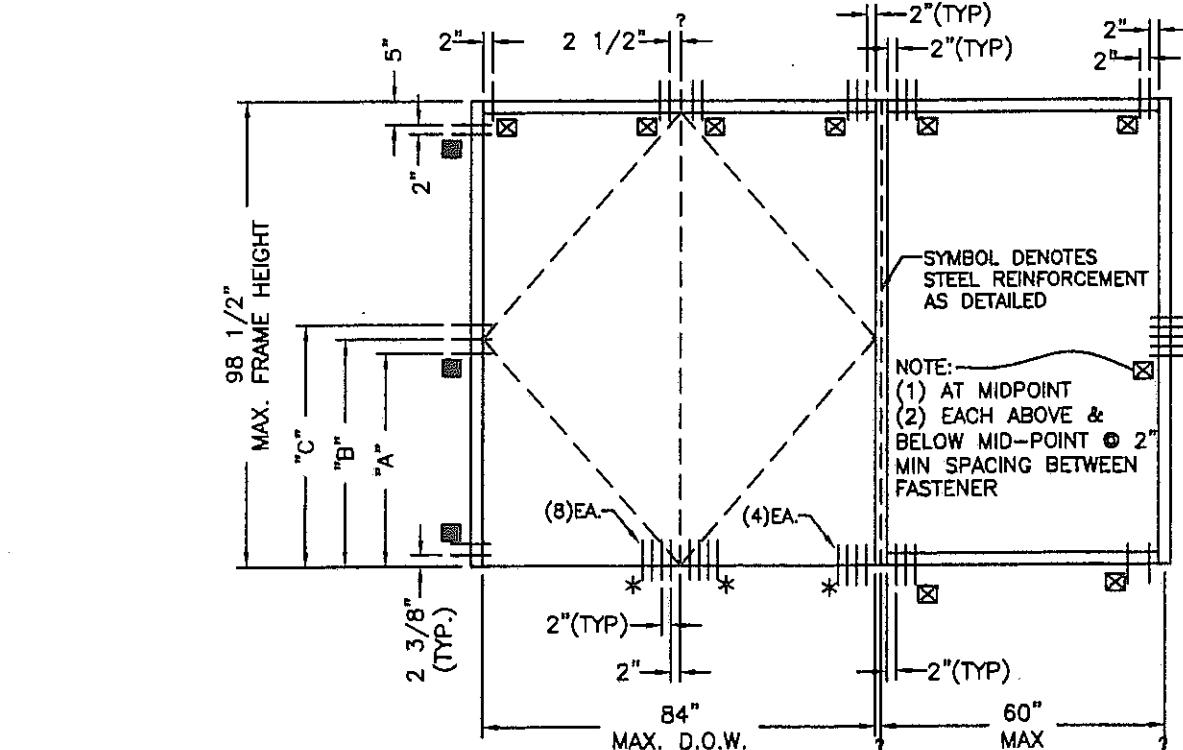
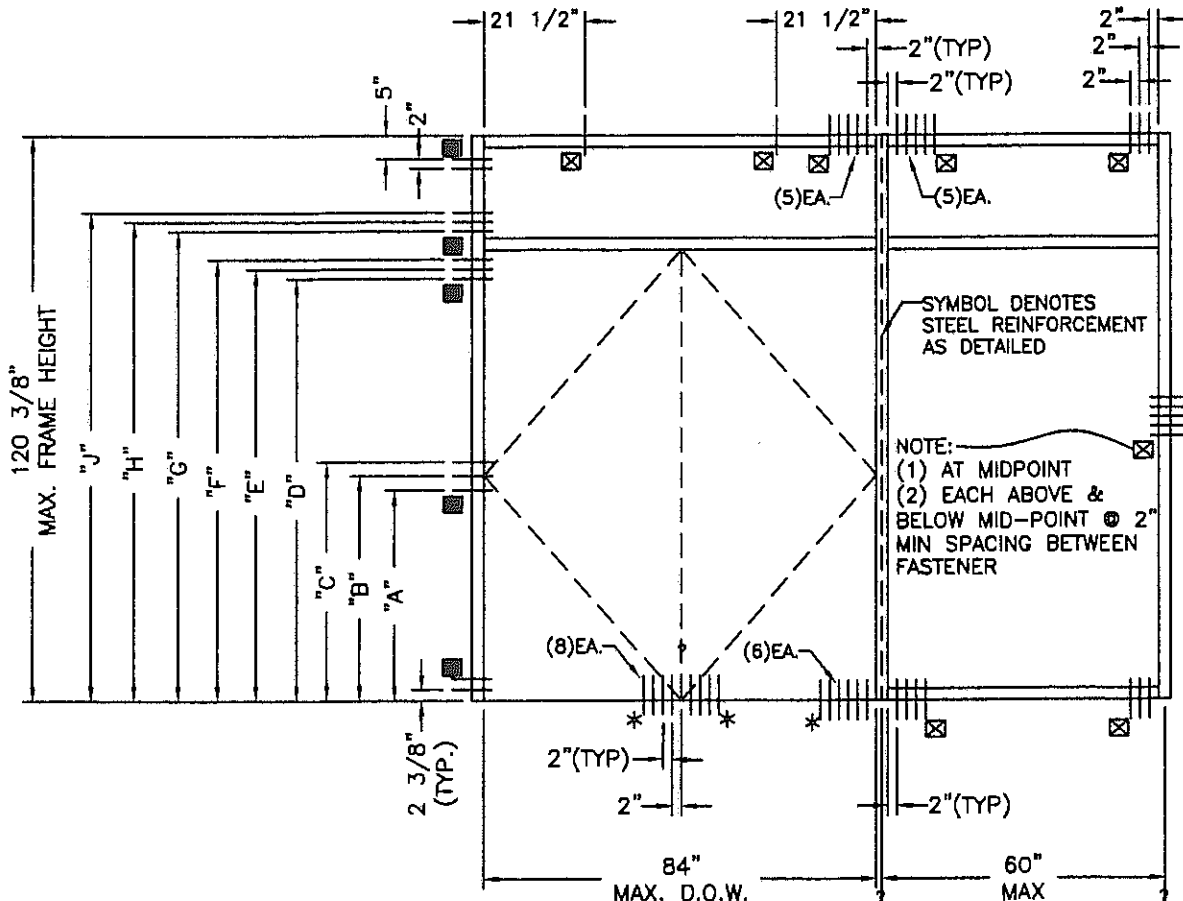
PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
DOORFRAMES
PERIMETER FASTENER LOCATIONS

DATE	1/8/2008
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	15 OF 57

DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

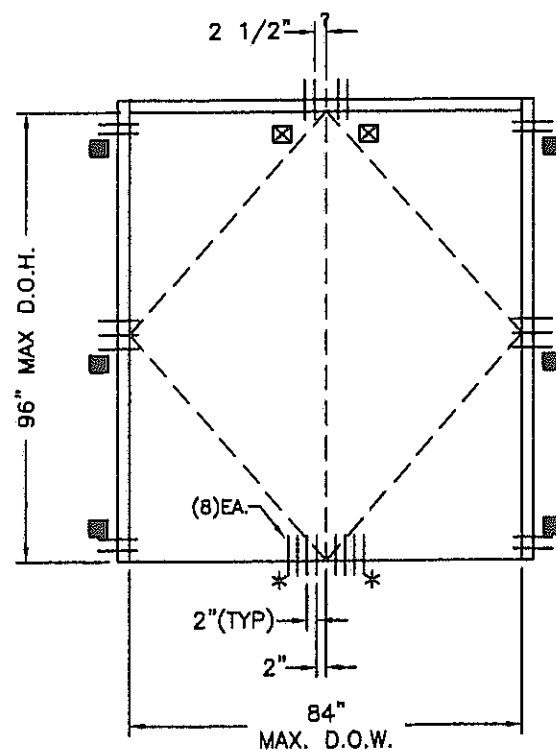
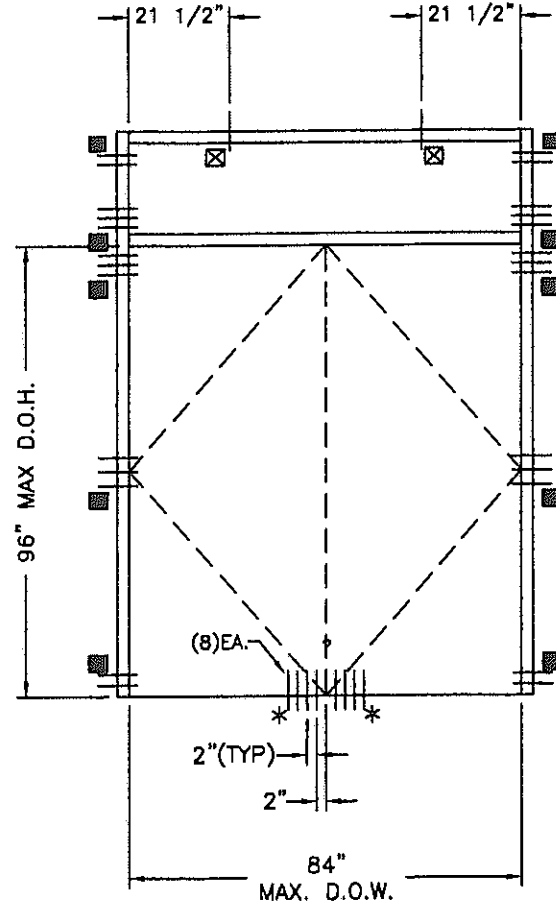
PERIMETER FASTENER LOCATIONS

TYPICAL INSTALLATION INTO:
MIN. #2 SYP WOOD SUBSTRATE - THICKNESS
DETERMINED BY MIN. EMBEDMENT REQ'D



PERIMETER FASTENER LOCATIONS

DOOR OPENING HEIGHT	ANCHOR LOCATIONS FOR "LETTER" DIM.								
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"
84"	45"	48"	51"	78"	80"	82"	89"	91"	93"
96"	45"	48"	51"	90"	92"	94"	100"	102"	104"



TYP. INSTALLATION INTO: WOOD SUBSTRATE	
■	3/8" LAG BOLT WITH FILLER PLATE FULL LENGTH, 3" MIN. EMBEDMENT
⊠	3/8" X 3-1/2" LAG BOLT, 3" MIN. EMBEDMENT
*	#14 X 2-1/2" WOOD SCREW
EDGE DISTANCE 1 1/2", MIN. SPACING IS 2", WOOD STRUCTURE IS MIN. #2 SYP	

MAXIMUM DESIGN PRESSURE
+70/-80 PSF

NOTES:
Δ = STRUCTURAL FASTENERS
NOT REQUIRED AT THRESHOLD.

LEGEND
⊖ ⊕ EACH LINE REPRESENTS
ONE FASTENER

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DRAWINGS FOR
DADE COUNTY
PRODUCT APPROVAL

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PRODUCT APPROVAL DRAWINGS
FL500 WINDOW WALL SYSTEM
DOORFRAMES
PERIMETER FASTENER LOCATIONS

DATE	1/8/2008
DRAWN	PCH
CHECKED	JDW
APPROVED	JDW
PROJECT NO.	
DRAWING NO.	FL500_03
SHEET	16 OF 58

Dow Corning® 795 Silicone Building Sealant

1. PRODUCT NAME

Dow Corning® 795 Silicone Building Sealant

2. MANUFACTURER

Dow Corning Corporation
Midland, MI 48686-0994
Phone: (517) 496-6000
FAX: (517) 496-4586

3. DESCRIPTION

Dow Corning 795 Silicone Building Sealant is a one-part, cold-applied, non-sagging silicone material that cures to a medium modulus silicone rubber upon exposure to atmospheric moisture. The cured silicone rubber is durable and flexible enough to accommodate ± 50 percent movement of original joint dimension when installed in a properly designed weatherseal joint (see Figure 1). In a properly designed structural glazing joint (see Figure 2), the sealant is strong enough to support glass and other panel materials under high windload.

Dow Corning 795 Silicone Building Sealant offers the following features:

- Versatility – can be used for both high performance structural glazing and weathersealing – all with one product
- Primerless adhesion to many common construction materials
- Excellent weatherability – the sealant is virtually unaffected by sunlight, rain and snow and stays flexible in temperature extremes of -48°C (-55°F) to 149°C (300°F)
- Ease of use – Cold-temperature gunnability, easy to tool and a low-odor cure byproduct

Basic Uses: Dow Corning 795 Silicone Building Sealant can be used

in most new construction and remedial sealing applications including:

- Structural and nonstructural glazing
- Structural attachment of many panel systems
- Panel stiffener applications
- Weathersealing of most common construction materials including glass, aluminum, steel, painted metal, granite and other stone, concrete, brick and other masonry, EIFS and many plastics
- To apply Dow Corning® 123 Silicone Seal

Limitations: Dow Corning 795 Silicone Building Sealant should not be used:

- In structural applications without prior review and approval by

Dow Corning Corporation Technical Service and Development

- In below-grade applications
- When surface temperatures exceed 50°C (122°F)
- On surfaces that are continuously immersed in water
- On building materials that bleed oils, plasticizers or solvents that may affect adhesion
- On frost-laden or wet surfaces
- In totally confined joints (the sealant requires atmospheric moisture for cure)
- If the sealant is intended to be painted (paints do not typically adhere to most silicone sealants)
- To surfaces in direct contact with food or other food-grade applications

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

As Supplied

	Colors	11 colors; custom colors also available
ASTM C 679	Tack-Free Time at 50% RH, hours	3
	Cure Time at 25°C (77°F) and 50% RH, days	7-14
	Full Adhesion, days	14-21
ASTM C 639	Flow, Sag or Slump, inches	0.1
	Working Time, minutes	20-30

As Cured – After 21 days at 25°C (77°F), 50% RH

ASTM D 2240	Durometer Hardness, Shore A, points	35
ASTM C 794	Peel Strength on Gloss, lb/in (kg/cm)	32 (5.7)
ASTM C 1135	Tensile Adhesion Strength at 25% extension, psi	40
ASTM C 1135	Tensile Adhesion Strength at 50% extension, psi	55
ASTMC1184	Structural Silicone Specification	Pass
ASTMC1248	Staining (granite, marble, limestone, brick and concrete)	None

As Cured – After 21 Days at 25°C (77°F) and 50% RH, then 10,000 hours in QUV Weatherometer, ASTM G 53

ASTM C 1135	Tensile Adhesion Strength at 25% extension, psi	35
ASTM C 1135	Tensile Adhesion Strength at 50% extension, psi	50

Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product, and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call 1-800-322-8723.

- For use as an interior penetration firestop sealing system

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Composition and Materials:

Dow Corning 795 Silicone Building Sealant is a one-part, ready-to-use material that has the consistency of toothpaste. This consistency remains uniform over a wide temperature range from -23 to 50°C (-10 to 122°F), allowing the sealant to be applied easily at most temperatures.

Once cured, the sealant is a medium modulus silicone sealant that adheres primerless to many common construction substrates. When used as a structural sealant, Dow Corning TS&D must review all applications and perform adhesion and compatibility testing to all materials to contact the sealant. When used as either a weatherseal or structural sealant, Dow Corning recommends that field adhesion tests be performed on all materials to ensure adhesion is obtained. For details, refer to the most recent versions of the *Dow Corning Silicone Structural Glazing Manual*, Form No. 62-351, and *Dow Corning Weatherproofing Sealant Guide*, Form No. 62-433.

Packaging: *Dow Corning 795 Silicone Building Sealant* is supplied in 10.3-fl oz (305-mL) disposable plastic cartridges that fit ordinary caulking guns, 20-fl oz (590-mL) sausages and 2- and 4.5-gal (7.5- and 17-L) bulk containers. It can be dispensed by many air-operated guns and most types of bulk dispensing equipment.

Colors: *Dow Corning 795 Silicone Building Sealant* is available in 11 colors: black, white, gray, limestone, bronze, sandstone, adobe tan, dusty rose, rustic brick, blue spruce and charcoal. Custom colors are available upon request.

Applicable Standards: *Dow Corning 795 Silicone Building Sealant* meets or exceeds the test requirements of:

- Federal Specification TT-S-001543A (COM-NBS) Class A for silicone building sealants
- Federal Specification TT-S-00230C (COM-NBS) Class A for one-component building sealants

- ASTM Specification C-920 Type S, Grade NS, Class 25, Use NT, M, G and A
- Canadian Specification CAN2-19.13-M82

4. TECHNICAL DATA

Dow Corning 795 Silicone Building Sealant is virtually unaffected by sunlight, rain, sleet and snow. Its unique weatherability enables it to retain its original design properties even after years of exposure. Joint performance does not change significantly with aging or exposure to weather. Seals remain watertight and weatherproof.

Cured sealant will perform at cold temperatures down to -48°C (-55°F) or at high temperatures up to 149°C (300°F) and will not become brittle, tear or crack. *Dow Corning 795 Silicone Building Sealant* is compatible with most reflective glass and insulating glass units.

5. INSTALLATION

Dow Corning 795 Silicone Building Sealant is uniquely formulated to be used for both structural glazing and weathersealing applications. Joint

design determines whether the sealant is to be used as a structural sealant, weatherseal sealant or both.

Structural glazing applications for *Dow Corning 795 Silicone Building Sealant* must be reviewed by the Technical Service staff, Dow Corning Corporation, Building Materials Industries Technical Service and Development.

The following instructions provide a general overview of the installation process. Complete design and installation procedures are outlined in the *Silicone Structural Glazing Manual* for structural glazing applications and the *Weatherproofing Sealant Guide* for weathersealing applications.

Joint Design: The design of a structural glazing joint must be prepared by the design professional, based upon industry-accepted design guidelines.

A typical structural glazing joint is illustrated in Figure 2. Basic design parameters include:

- Glueline thickness must not be less than 1/4" (6 mm)
- Structural bite must not be less than glueline thickness
- Structural bite (in inches) must be

Figure 1: Recommended Joint Design and Typical Joint Sealing Configurations (See *Weatherproofing Sealant Guide*, Form No. 62-433)

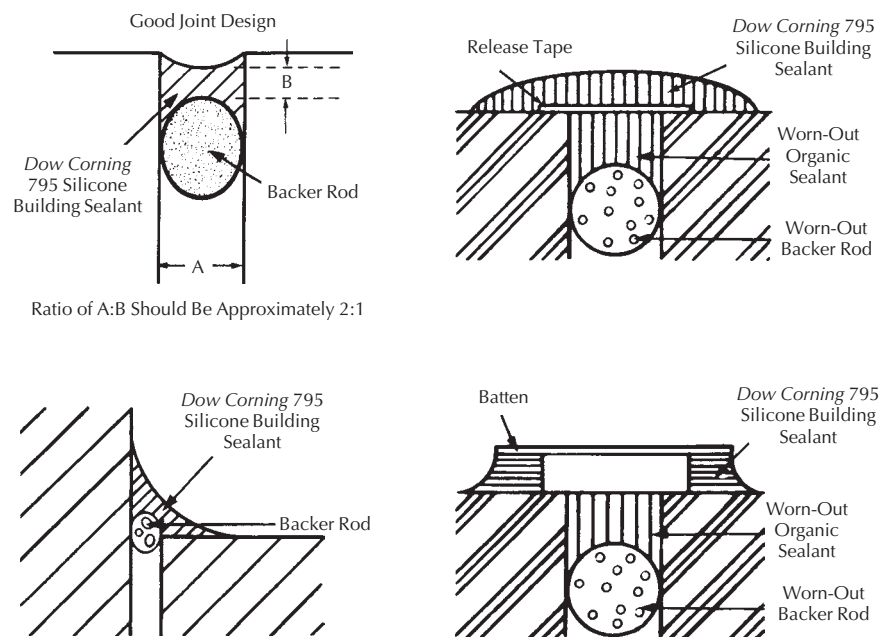
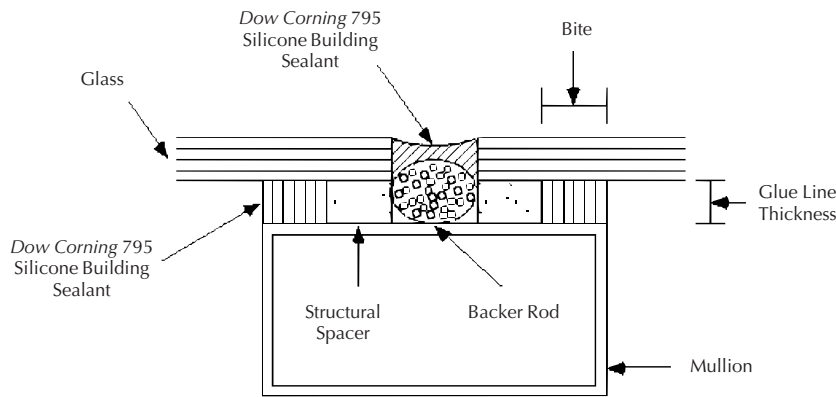


Figure 2: Typical Structural Glazing Design



greater than or equal to the smallest leg of the largest lite (in feet) $\times$ windload (psf) $\div$ 480

- The structural sealant joint must be able to be filled using standard caulking practices
- The structural joint must not move during cure

The above design parameters are general industry guidelines for silicone structural glazing. Project specific recommendation will be made following the review of drawings by Dow Corning Corporation Technical Service and Development.

Properly designed weatherseal joints will accommodate more movement in a 2 to 1 width to depth configuration (Figure 1). The sealant should be no thicker than $\frac{3}{8}$ " (9 mm) and no thinner than $\frac{1}{8}$ " (3 mm) for joints where full movement is expected. Joints above 1 in (25 mm) may require sealant depth up to a maximum of $\frac{1}{2}$ " (13 mm).

Open cell polyurethane, closed cell polyethylene and non-gassing polyolefin backer rods are all acceptable for use. Certain applications, i.e., EIFS and double weatherseal joints, may require a specific backer rod type. When the joint cavity is shallow, use a polyethylene bondbreaker tape to prevent three-sided adhesion. These backer materials allow sealant to be applied and tooled properly in the joint and after cure, stretch freely within the joint.

The width of building expansion joints varies because of seasonal and daily changes in temperature. If the

sealant cannot be installed when the design width is approximately half way between the dimensional extremes, the designed joint must be at least twice the total anticipated joint movement. Good architectural practice calls for joint design of four times the anticipated movement due to construction tolerances and material variations.

Glazing rabbets and joints should be designed to allow installation and retention of the bond breaking backer material during the installation and curing of the silicone sealant.

Lap shear joints should have a bead width that is equal to or greater than the anticipated movement.

Joint Dimension: Small curtainwall panels and lites should allow a minimum width of $\frac{1}{4}$ " (6 mm) for the sealant bead. Larger panels, in which a great deal of movement is expected, should allow a minimum width of $\frac{1}{2}$ " (13 mm) for the sealant bead. Joints should always be sized to allow Dow Corning 795 Silicone Building Sealant to perform within its movement capability of ± 50 percent of original joint dimension.

Glazing of plastic lites, and panels fabricated from plastic, require larger than usual joint dimension due to the plastic's high coefficient of thermal expansion.

In all cases, a minimum of $\frac{1}{4}$ " (6 mm) of sealant contact with each substrate is required to ensure adhesion in a moving joint.

Preparatory Work: Clean all joints and glazing pockets, removing all foreign matter and contaminants, such as grease, oil, dust, water, frost, surface dirt, old sealants and glazing compounds, and protective coatings.

Porous substrates should be cleaned where necessary by grinding, saw cutting, blast cleaning (sand or water) or mechanical abrading, or a combination of these methods as required to provide a sound, clean, dry surface for sealant application. Dust, loose particles, etc., should be blown out of joints with oil-free compressed air or vacuum cleaning.

Metal, glass and plastic substrates should be cleaned by mechanical or solvent procedures. Detergent or soap and water treatments are not acceptable. In all cases where used, solvents should be wiped on and off with clean, oil- and lint-free cloths.¹

Refer to the *Dow Corning Structural Glazing Manual* and *Dow Corning Weatherproofing Sealant Guide* for additional surface preparations guidelines.

Priming: Laboratory adhesion testing is required to determine priming requirements for all structural glazing applications. Consult the *Dow Corning Structural Glazing Manual* for further details on proper priming procedures.

The *Dow Corning Weatherproofing Sealant Guide* includes general priming guidelines for weatherseal applications. Prior to general job use, field adhesion tests should be performed to verify sealant adhesion to each substrate. Field adhesion test procedures and quality assurance guidelines are outlined in the aforementioned guide.

Masking: Areas adjacent to joints may be masked to ensure neat sealant lines. Do not allow masking tape to touch clean surfaces on which the sealant is to adhere. Tooling should be completed in one continuous stroke

¹Follow solvent manufacturer's recommended safe handling instructions and applicable federal, state and local regulations.

immediately after sealant application and before a skin forms. Masking should be removed immediately after tooling.

It is imperative that uncured silicone sealants do not come in contact with non-abradable surfaces such as polished granites, metal or glass. Because excess silicone sealant cannot be completely removed with organic or chlorinated solvents, these surfaces must be masked or extreme care must be taken to prevent any silicone sealant from contacting them during application. Once any uncured silicone sealant is allowed to contact the surface, it will be difficult to completely remove.

In cases where uncured sealant is inadvertently applied to adjacent surfaces, the sealant should be cleaned while still uncured, using a commercial solvent such as xylene, toluene, or methyl ethyl ketone (MEK).¹

Method of Application: Install backer material or joint filler, setting blocks, spacer shims and tapes as specified. Apply sealant in a continuous operation, using a positive pressure adequate to properly fill and seal the joint. Tool or strike the sealant with light pressure to spread the material against the backer material and the joint surfaces. A tool with a concave profile is recommended to keep the sealant within the joint. Do not use liquid tooling aids such as water, soap or solvents.

Tool the sealant applied at sills so that precipitation and cleaning solutions will not pool.

Table I: Estimating Requirements

Linear Feet per Gallon of <i>Dow Corning</i> 795 Silicone Building Sealant for Various Joint Sizes									
Width, Inches									
Depth, Inches		1/4	3/8	1/2	5/8	3/4	1	2	3
	1/8	616	411	307	—	—	—	—	—
	3/16	411	275	205	164	—	—	—	—
	1/4	307	205	154	123	103	—	—	—
	3/8	—	137	103	82	68	51	25	17
	1/2	—	—	77	62	51	39	19	12

Dow Corning 795 Silicone Building Sealant can be applied at outdoor temperatures as low as -23°C (-10°F), provided that surfaces are clean, dry and frost-free.

Do not apply *Dow Corning* 795 Silicone Building Sealant when surface temperatures are in excess of 50°C (122°F).

Safe Handling Information: PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICE, OR BY CALLING 1-800-322-8723.

Storage and Shelf Life: When stored at or below 27°C (80°F), *Dow Corning* 795 Silicone Building Sealant has a shelf life of 12 months from date of manufacture. Refer to product packaging for "Use By" date.

6. AVAILABILITY AND COST

Availability: *Dow Corning* 795 Silicone Building Sealant is marketed through the United States and Americas through authorized distributors. For the location of the distributor nearest you, contact Dow Corning Customer Service at 1-800-322-8723.

Cost: Pricing information can be obtained by contacting your local Dow Corning distributor.

7. WARRANTY

Limited Weatherseal Warranty: Dow Corning Corporation produces and sells a full line of silicone construction sealants and adhesives.

These products offer a variety of physical characteristics and adhesion properties. *Dow Corning 795 Silicone Building Sealant* is part of that line and, when used with compatible substrates and when applied within the stated shelf life and according to manufacturer's recommendations for application and joint design, Dow Corning warrants that it will perform as a watertight weatherseal for a period of 20 years from the date of purchase. In addition to maintaining the integrity of the weatherseal, the sealant will not change color when used with backup materials and substrates that have been approved for compatibility by Dow Corning, either after specific testing or noted in a current Dow Corning publication.

Limitations: This warranty specifically excludes failure of the sealant due to:

- Natural causes such as lightning, earthquake, hurricane, tornado, fire, flooding, etc., or
- Movement of the structure resulting in stresses on the sealant that exceed Dow Corning's published specifications for elongation and/or compression for the sealant, whether due to structural settlement, design error or construction error, or
- Disintegration of the underlying substrates, or
- Mechanical damage to the sealant caused by individuals, tools or other outside agents, or
- Changes in the appearance of the sealant from the accumulation of dirt or

other contaminants deposited on the sealant from the atmosphere

Remedies: In the event of a claim under this warranty, you must notify Dow Corning Corporation in writing within 30 days of the occurrence of the failure. Dow Corning's sole liability shall be to furnish sufficient silicone replacement material to restore the integrity of the weatherseal. Any labor or other cost associated with the repairs are the responsibility of the owner. DOW CORNING SHALL NOT BE LIABLE FOR AND EXPRESSLY DISCLAIMS ANY LIABILITY FOR DAMAGE TO THE CONTENTS OF THE STRUCTURE OR FOR CONSEQUENTIAL OR INCIDENTAL DAMAGE, WHETHER IN CONTRACT OR IN TORT, INCLUDING NEGLIGENCE.

THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR ORAL, EXPRESS OR IMPLIED WARRANTIES AND DOW CORNING SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

Structural Adhesion Warranty: *Dow Corning 795 Silicone Building Sealant* may be used as a structural adhesive under certain conditions, but Dow Corning Corporation disclaims any general adhesion warranty. Dow Corning will issue project-specific Structural Adhesion Warranties on a case-by-case basis. No Structural Adhesion Warranty will be issued until Dow Corning has reviewed the pertinent building prints and specifications and has completed adhesion

and compatibility testing of the various materials to be used with *Dow Corning 795 Silicone Building Sealant*. For details on how to obtain the Structural Warranty, please contact your Dow Corning field representative.

8. MAINTENANCE

Generally, no maintenance is required. If the sealant becomes damaged, replace the damaged portion. *Dow Corning 795 Silicone Building Sealant* will adhere to cured silicone sealant with only a preparatory solvent wipe to remove accumulated dirt. Dirty sealant may be cleaned with a solvent wipe or soap and water.

9. TECHNICAL SERVICE

Complete technical information and literature are available from Dow Corning and authorized building sealant distributors. Laboratory testing and technical service are available from Dow Corning. See the last page for a list of Dow Corning U.S. Construction Testing Laboratories.

10. FILING SYSTEM

- Sweets Catalog 07920/DOW BuyLine 2882
- Architectural specifications and complete technical literature are available from Dow Corning upon request.

Additional information is available via the Dow Corning web site at www.dowcorning.com.

DOW CORNING NORTH AMERICA FIELD SALES OFFICES:

ATLANTA

1225 Northmeadow Parkway, Suite
104
Roswell, GA 30076
(770) 751-7979

CHICAGO

1120 West Lake-Cook Road, Suite 1120C
Buffalo Grove, IL 60089
(847) 541-3430

DETROIT

47799 Halyard Drive, Suite 77
Plymouth, MI 48170
(734) 454-2000

GREENSBORO

2914B Patterson Street
Greensboro, NC 27407
(336) 547-7272

LOS ANGELES

5 Corporate Park
Suite 280
Irvine, CA 92714
(949) 757-5000

NEW YORK CITY – METRO

500 International Drive, Suite 350
Mount Olive, NJ 07828
(973) 691-1414

SAN FRANCISCO

PO Box 5121
910 Auburn Court
Fremont, CA 94537-5121
(510) 490-9302

MIDLAND – CORPORATE HEADQUARTERS

Midland, MI 48686-0994
(517) 496-6000

CANADA

Dow Corning Canada, Inc.
6747 Campobello Road
Mississauga, Ontario L5N 2M1
(905) 826-9600

MEXICO

Dow Corning de Mexico S.A. de C.V.
Campos Eliseos 345-5 Piso
Col. Polanco
Delegacion Miguel Hidalgo
C.P. 11550 Mexico, D.F.
525 327 1300

DOW CORNING U.S. CONSTRUCTION TESTING LABORATORIES:

ATLANTA

Dow Corning Corporation
1225 Northmeadow Parkway, Suite
104
Roswell, GA 30076
(770) 751-7979

MIDLAND

Dow Corning Corporation Test Lab
2200 West Salzburg Road
Auburn, MI 48611
(517) 496-6000

SAN FRANCISCO

Dow Corning Corporation
PO Box 5121
910 Auburn Court
Fremont, CA 94537-5121
(510) 490-9302

CUSTOMER SERVICE AND ORDER ENTRY INFORMATION:

CORPORATE HEADQUARTERS

Dow Corning Corporation
Midland, MI 48686-0994
(517) 496-6000

The information and data contained herein are based on information we believe reliable. You should thoroughly test any application and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.

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AGP4583

Form No. 61-885E-99

DOW CORNING

**Dow Corning Corporation
Midland, Michigan 48686-0994**

Product Information

Silicone Sealants

DOW CORNING

Dow Corning® 995 Silicone Structural Glazing Sealant

FEATURES

- Odorless, non-corrosive cure system
- Cures to form an extremely tough elastomeric rubber ensuring a durable, flexible, watertight bond

BENEFITS

- Excellent weatherability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Excellent mechanical properties
- Successfully tested for use in protective glazing applications
- Excellent unprimed adhesion to wide range of substrates including coated, enameled, and reflective glasses; anodized and polyester coated or painted aluminum profiles including most fluoropolymerbased paints such as Kynar™
- Meets global standards for structural glazing (American, China, Europe)

COMPOSITION

- One-part, neutral-cure elastomeric sealant

High ultimate tensile strength sealant ideally suited for structural bonding and protective glazing applications

APPLICATIONS

- Silicone structural glazing and protective glazing applications

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Method	Test	Unit	Result
As Supplied			
	Color		Black, gray, white
MIL-S-8802	Tack-Free Time, 50% RH	minutes	65
	Curing Time 25°C (77°F) at 50% RH	days	7-14
	Full Adhesion	days	14-21
	Flow, Sag, or Slump	inches	0.1
	Working Time	minutes	10-20
	Specific Gravity		1.339
	VOC Content ¹	g/L	30
As Cured – After 7 days at 25°C (77°F), 50% RH			
ASTM ² D2240	Durometer Hardness, Shore A	points	40
ASTM D0412	Ultimate Tensile Strength	Psi (MPa)	350 (2.41)
	Ultimate Elongation	%	525
ASTM D0624	Tear Strength, die B	ppi	49
ASTM C0794	Peel Strength	ppi	40
As Cured – After 21 days at 25°C (77°F), 50% RH			
ASTMC1135	Tensile at 25% Elongation	psi (MPa)	43 (0.30)
ASTMC1135	Tensile at 50% Elongation	psi (MPa)	65 (0.43)
	Ultimate Tensile Strength	psi (MPa)	170 (1.17)
ASTM C719	Joint Movement Capability	%	±50

¹Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds. For a VOC datasheet for a specific sealant color, please send your request to product.inquiry@dowcorning.com.

² ASTM: American Society for Testing and Materials.

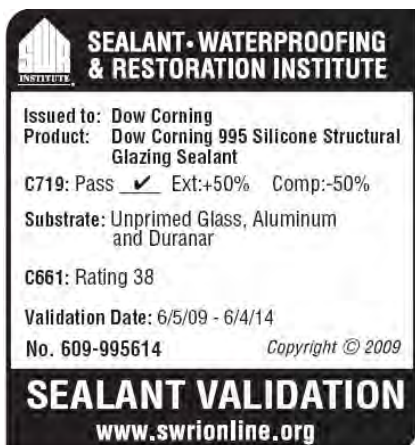
DESCRIPTION

Dow Corning® 995 Silicone Structural Glazing Sealant is a one-component neutral-curing silicone sealant designed specifically for structural bonding applications of glass and metal in factory or field situations.

The rate of surface cure and cure-in-depth of most one-component RTV silicone sealants is affected by the temperature and humidity of the environment. However, an environment of high temperatures in combination with high humidity may slow the surface cure rate of Dow Corning 995 Silicone Structural Glazing Sealant.

Colors

This product is available in black, gray, and white. Please contact your local Dow Corning Sales Application Engineer for availability.



APPROVALS/ SPECIFICATIONS

Dow Corning 995 Silicone Structural Glazing Sealant has been internally tested and is designed to meet or exceed the test requirements of:

- Federal Specification TT-S-001543A (COM-NBS) Class A for silicone building sealant
- Federal Specification TT-S-00230C (COM-NBS) Class A for one-component building sealant
- ASTM Specification C-920 Type S, Grade NS, Class50, Use NT, G and A
- ASTM C1184 Standard Specification for Structural Silicone Sealant
- Chinese specification GB 16776 for structural glazing
- SNJF VEC

Dow Corning 995 Silicone Structural Glazing Sealant exhibits a high level of physical properties and adhesive performance, which are retained even after aging as detailed by EOTA ETAG 002 and prEN 13022 European Standards.

HOW TO USE

Complete design and installation guidelines are contained in the Dow Corning Americas Technical Manual, Form No.62-1112. Specific advice is available from your local Dow Corning Sales Application Engineer.

Preparation

Clean all joints and glazing pockets, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants, or glazing compounds and protective coatings.

Application Method

Install back-up material or joint filler, setting blocks, spacer shims, and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended.

Apply Dow Corning 995 Silicone Structural Glazing Sealant in a continuous operation using a positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before ask informs (typically with in 10 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

HANDLING

PRECAUTIONS

PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED IN
THIS DOCUMENT. BEFORE
HANDLING, READ PRODUCT
AND MATERIAL SAFETY
DATASHEETS AND CONTAINER
LABELS FOR SAFE USE,
PHYSICAL AND HEALTH
HAZARD INFORMATION. THE
MATERIAL SAFETY DATASHEET
IS AVAILABLE ON THE
DOW CORNING WEBSITE AT
DOWCORNING.COM, OR FROM

YOUR DOW CORNING SALES
APPLICATION ENGINEER, OR
DISTRIBUTOR, OR BY CALLING
DOW CORNING CUSTOMER
SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 30°C (86°F) in the original unopened containers, this product has a usable life of 18 months from the date of manufacture.

PACKAGING INFORMATION

This product is available in 305-and 310-mL (10.3-and 10.5-floz) disposable cartridges, 7.5-L (2-gal) pails, 17-L (4.5-gal) bulk containers, and 170-L (45-gal) drums, depending on location of purchase. Please contact your local Dow Corning Sales Application Engineer for packaging availability.

LIMITATIONS

Dow Corning 995 Silicone Structural Glazing Sealant should not be applied:

- To building materials that bleed oils, plasticizers, or solvents—materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes
- In totally confined spaces as the sealant requires atmospheric moisture for cure
- When surface temperatures exceed 60°C(140°F)
- Where painting of the sealant is required, as the paint film may crack and peel
- To surfaces in contact with food—this sealant does not comply with Federal Food and Drug Administration food-additive regulations
- In below-grade applications
- For use as an interior penetration fire stop sealing system
- In horizontal floor joints where abrasion and physical abuse are likely to be encountered
- To frost-laden or damp surfaces
- For continuous immersion in water

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Dow Corning shall not be held liable for any possible claims arising from structural glazing use of this product for projects that have not been specifically approved by Dow Corning.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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Product Approval

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 Application Detail

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SECRETARY

FL #	FL10467-R4										
Application Type	Revision										
Code Version	2014										
Application Status	Approved										
Comments											
Archived	☐										
Product Manufacturer	Coral Industries, Inc										
Address/Phone/Email	3010 Rice Mine Road Tuscaloosa, AL 35406 (205) 345-1013 grant.mcallister@coralind.com										
Authorized Signature	William Smith william.smithsr@coralind.com										
Technical Representative	William Smith Sr.										
Address/Phone/Email	3010 Rice Mine Road Tuscaloosa, AL 35406 (813) 716-3368 william.smithsr@coralind.com										
Quality Assurance Representative	William Smith										
Address/Phone/Email	7704 B Industrail Lane Tampa, FL 33637 (813) 716-2221 william.smithsr@coralind.com										
Category	Panel Walls										
Subcategory	Storefronts										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	Lewis A. Waldrop										
Florida License	PE-21959										
Quality Assurance Entity	Keystone Certifications, Inc.										
Quality Assurance Contract Expiration Date	02/24/2026										
Validated By	Shawn G. Collins, PE ☒ Validation Checklist - Hardcopy Received										
Certificate of Independence	FL10467_R4_COI_Engineer Statement of Independence Coral_FL500.pdf FL10467_R4_COI_Engineer Statement of Independence Coral_FL550.pdf										
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>AAMA501</td><td>2005</td></tr> <tr> <td>TAS201</td><td>2004</td></tr> <tr> <td>TAS202</td><td>2004</td></tr> <tr> <td>TAS203</td><td>2004</td></tr> </tbody> </table>	Standard	Year	AAMA501	2005	TAS201	2004	TAS202	2004	TAS203	2004
Standard	Year										
AAMA501	2005										
TAS201	2004										
TAS202	2004										
TAS203	2004										

Equivalence of Product Standards

Certified By

Florida Licensed Professional Engineer or Architect
[FL10467_R4_Equiv_AAMA 10467.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

11/09/2015

Date Validated

11/10/2015

Date Pending FBC Approval

11/23/2015

Date Approved

02/10/2016

Summary of Products

FL #	Model, Number or Name	Description
10467.1	FL500	FL500 Storefront for 9/16" Glazing
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-80 Other:		Installation Instructions FL10467_R4_II_FL_ProductApproval_FL500.pdf Verified By: Lewis A. Waldrop PE# 21959 Created by Independent Third Party: Yes Evaluation Reports FL10467_R4_AE_FL_Product Approval Evaluation Report_FL500.pdf FL10467_R4_AE_FL10467.1-FL500-Letter.pdf Created by Independent Third Party: Yes
10467.2	FL550	Storefront for 1-5/16" Glazing
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-80 Other:		Installation Instructions FL10467_R4_II_FL_ProductApproval_FL550.pdf Verified By: Lewis A. Waldrop PE# 21959 Created by Independent Third Party: Yes Evaluation Reports FL10467_R4_AE_FL_Product Approval Evaluation Report_FL550.pdf FL10467_R4_AE_FL10467.2-FL550-Letter.pdf Created by Independent Third Party: Yes

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[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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**Product Approval**

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FL #	FL10468-R2						
Application Type	Affirmation						
Code Version	2010						
Application Status	Approved						
Comments							
Archived	☐						
Product Manufacturer	Coral Industries, Inc						
Address/Phone/Email	3010 Rice Mine Road Tuscaloosa, AL 35406 (205) 345-1013 grant.mcallister@coralind.com						
Authorized Signature	William Smith william.smithsr@coralind.com						
Technical Representative	J.D. Williams						
Address/Phone/Email	3610 Rice Mine Road Tuscaloosa, AL 35406 (205) 345-1013 Ext 235 jd.williams@coralind.com						
Quality Assurance Representative	Jack Reid						
Address/Phone/Email	1010 19th Avenue East Tuscaloosa, AL 35404 (205) 345-1013 Ext 1706 jack.reid@coralind.com						
Category	Exterior Doors						
Subcategory	Swinging Exterior Door Assemblies						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Lewis A. Waldrop						
Florida License	PE-21959						
Quality Assurance Entity	Keystone Certifications, Inc.						
Quality Assurance Contract Expiration Date	02/24/2016						
Validated By	Charles H. Moss, P.E. ☐ Validation Checklist - Hardcopy Received						
Certificate of Independence	FL10468_R2_COI_Engineer Statement of Independence Coral Series 281.pdf FL10468_R2_COI_Engineer Statement of Independence Coral Series 381.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>TAS201</td> <td>2004</td> </tr> <tr> <td>TAS202</td> <td>2004</td> </tr> </tbody> </table>	Standard	Year	TAS201	2004	TAS202	2004
Standard	Year						
TAS201	2004						
TAS202	2004						

TAS203

2004

Equivalence of Product Standards
Certified By

Sections from the Code

☒ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity ☐ Yes ☐ No ☐ N/A

[FL10468 R2 COC Letter of Compliance FL 10468 FBC2010-28FEB12-SGCr0.pdf](#)

Product Approval Method

Method 1 Option D

Date Submitted

02/29/2012

Date Validated

02/29/2012

Date Pending FBC Approval

Date Approved

03/15/2012

Summary of Products

FL #	Model, Number or Name	Description
10468.1	MS381	MS381 Medium Stile Hurricane Impact Doors
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-80 Other:		Installation Instructions FL10468 R2 II FL ProductApproval 381.pdf Verified By: Lewis A. Waldrop PE# 21959 Created by Independent Third Party: No Evaluation Reports FL10468 R2 AE FL Product Approval Evaluation Report Series 381.pdf Created by Independent Third Party: Yes
10468.2	NS281	NS281 Narrow Stile Hurricane Impact Doors
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +65/-65 Other: FL500(FL10467.1) or FL550(FL10467.2) Framing Design Pressure is Limited to +/-65 PSF with NS281 Doors.		Installation Instructions FL10468 R2 II FL ProductApproval 281.pdf Verified By: Lewis A. Waldrop PE# 21959 Created by Independent Third Party: No Evaluation Reports FL10468 R2 AE FL Product Approval Evaluation Report Series 281.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:

