

# CONTINENTAL GLASS SYSTEMS

## SERIES 2200 SLIDING GLASS DOOR (LARGE MISSILE IMPACT)



325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

### INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ON HEAD AND ONE (1) INSTALLATION ANCHOR ON SILL FOR EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 5/16 INCH DIAMETER ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

### GENERAL NOTES:

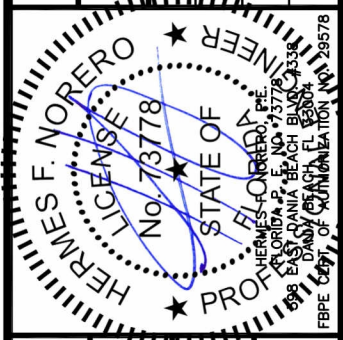
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE OR AUTHORITY HAVING JURISDICTION (AHJ).
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: ALUMINUM 6005-T5 & 6063-T5
- IN ACCORDANCE WITH THE FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED TO PREVENT GALVANIC CORROSION.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAIL.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	B	INSTALLATION & GENERAL NOTES
2	B	ELEVATION & ANCHOR LAYOUT
3	B	ELEVATIONS & ANCHOR LAYOUTS
4	B	VERTICAL SECTIONS
5	B	HORIZONTAL SECTIONS
6	B	HORIZONTAL SECTIONS & GLAZING DETAIL
7	B	COMPONENTS & BILL OF MATERIALS
8	B	COMPONENTS
9	B	CORNER ASSEMBLIES

DESIGN PRESSURE RATING		
	DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
NON-REINFORCED	+70.0 / -70.0 PSF	LARGE MISSILE IMPACT RATED
REINFORCED	+90.0 / -90.0 PSF	LARGE MISSILE IMPACT RATED

TITLE: SERIES 2200 ALUM. SLIDING GLASS DOOR INSTALLATION & GENERAL NOTES  
 PREPARED BY: BUILDING DROPS, INC.  
 398 E. DANIA BEACH BLVD. #338  
 DANIA BEACH, FL 33004  
 PH: 954.399.8478 FX: 954.744.4738

REVISIONS	DESCRIPTION	BY	DATE
A	FBC 2010 CODE CHANGE	JLA	07.25.12
B	5TH EDITION CODE CHANGE	MSS	08.24.16



DATE: 07.13.12  
 DWN BY: JLA  
 CHK BY: HFN  
 SCALE: NTS

DWG #: CGS007  
 SHEET: 1 OF 9

Digitally signed by Hermes F. Norero, P.E.  
 Reason: I am approving this document  
 Date: 2016.08.25 15:12:30 -04'00'

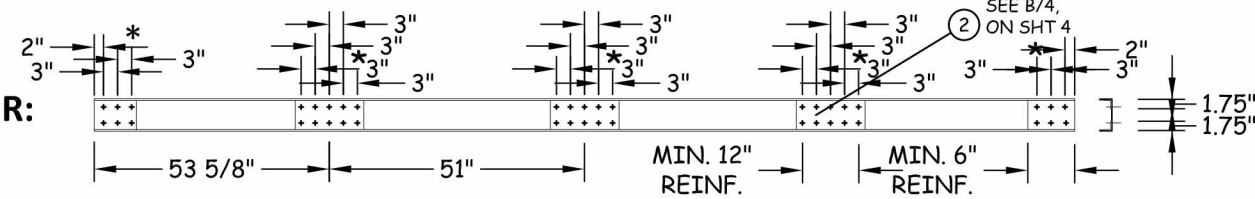
s:\projects\continental\_glass\_systems\16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\dwg\cgs007\_2200\_lmi.dwg 8/25/2016 1:31 PM

**ANCHOR SCHEDULE SUMMARY:**

- FOR INSTALLATIONS INTO CONCRETE, USE A CLUSTER OF (4) ANCHORS AT HEAD & SILL, ADJACENT TO JAMBS. USE A CLUSTER OF (8) ANCHORS AT HEAD & SILL, CENTERED AT INTERLOCKS AND MEETING STILES.
- FOR INSTALLATIONS INTO GROUT FILLED CMU LINTEL AT HEAD, USE A CLUSTER OF (6) ANCHORS AT HEAD, ADJACENT TO JAMBS. USE A CLUSTER OF (10) ANCHORS AT HEAD, CENTERED AT INTERLOCKS AND MEETING STILES.

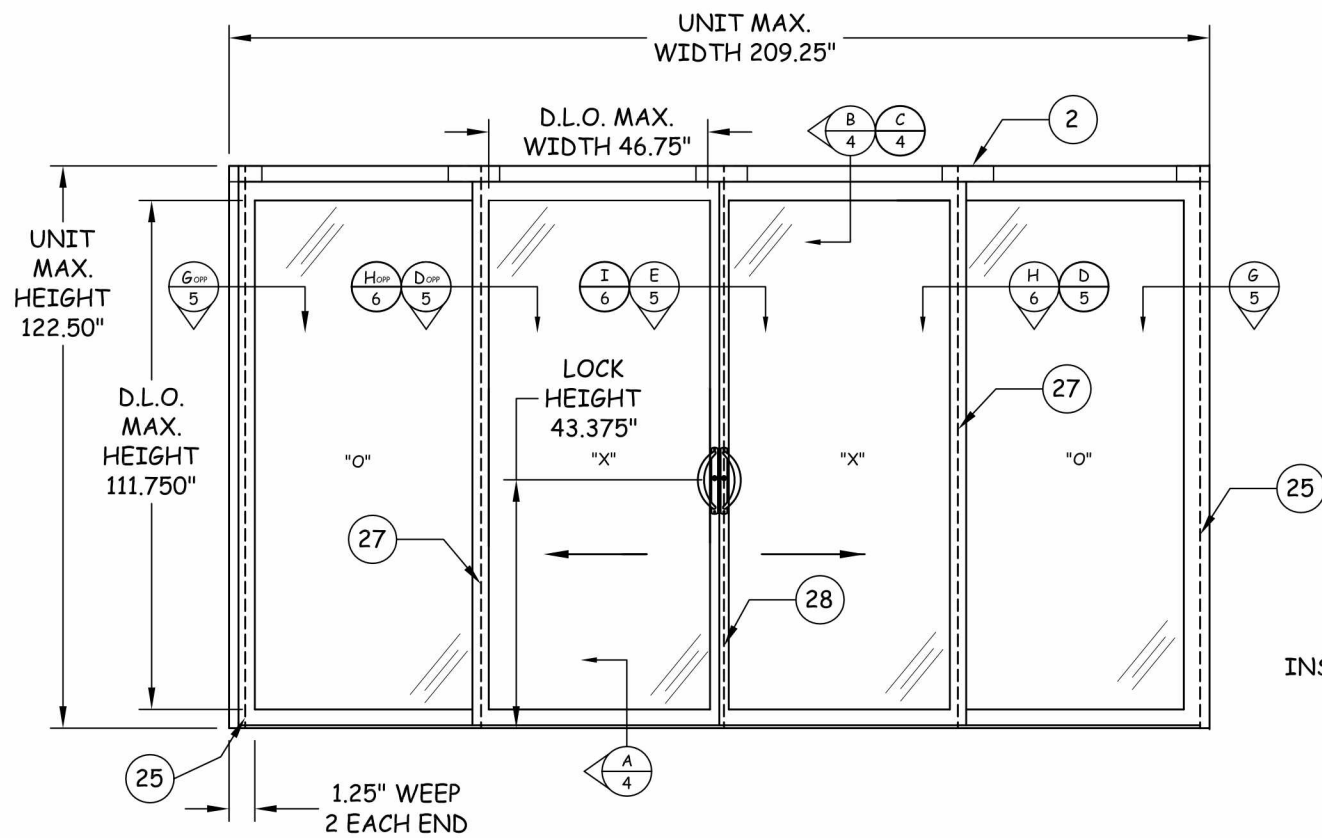
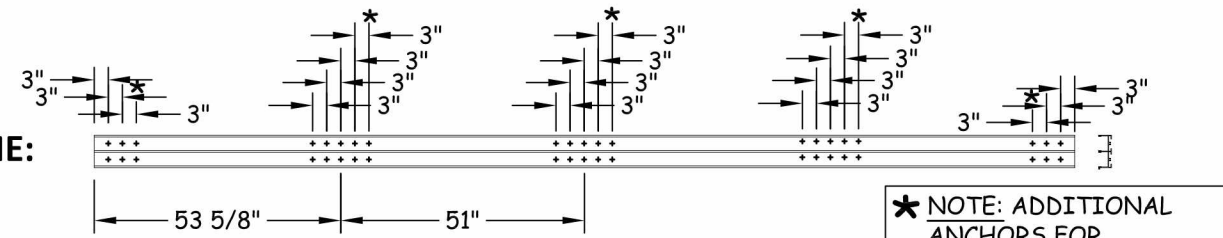
**HEAD RECEPTOR**

HEAD RECEPTOR:



**STANDARD FRAME**

STANDARD FRAME:



**ELEVATION**

INSTALLATION ANCHOR



**ANCHOR LAYOUT**

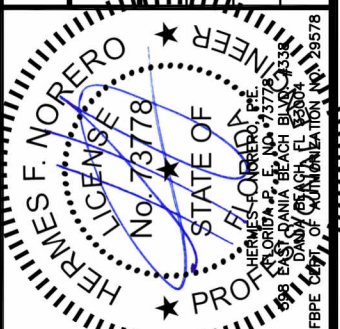
NOTE: TWO (2) INSTALLATION ANCHORS ON HEAD AND ONE (1) INSTALLATION ANCHOR ON SILL FOR EACH ANCHOR LOCATION SHOWN.

TITLE: SERIES 2200 ALUM.  
SLIDING GLASS DOOR  
ELEVATION  
& ANCHOR LAYOUT

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

**REVISIONS**

NO.	DESCRIPTION	BY	DATE
A	FBC 2010 CODE CHANGE	JLA	07.25.12
B	5TH EDITION CODE CHANGE	MSS	08.24.16



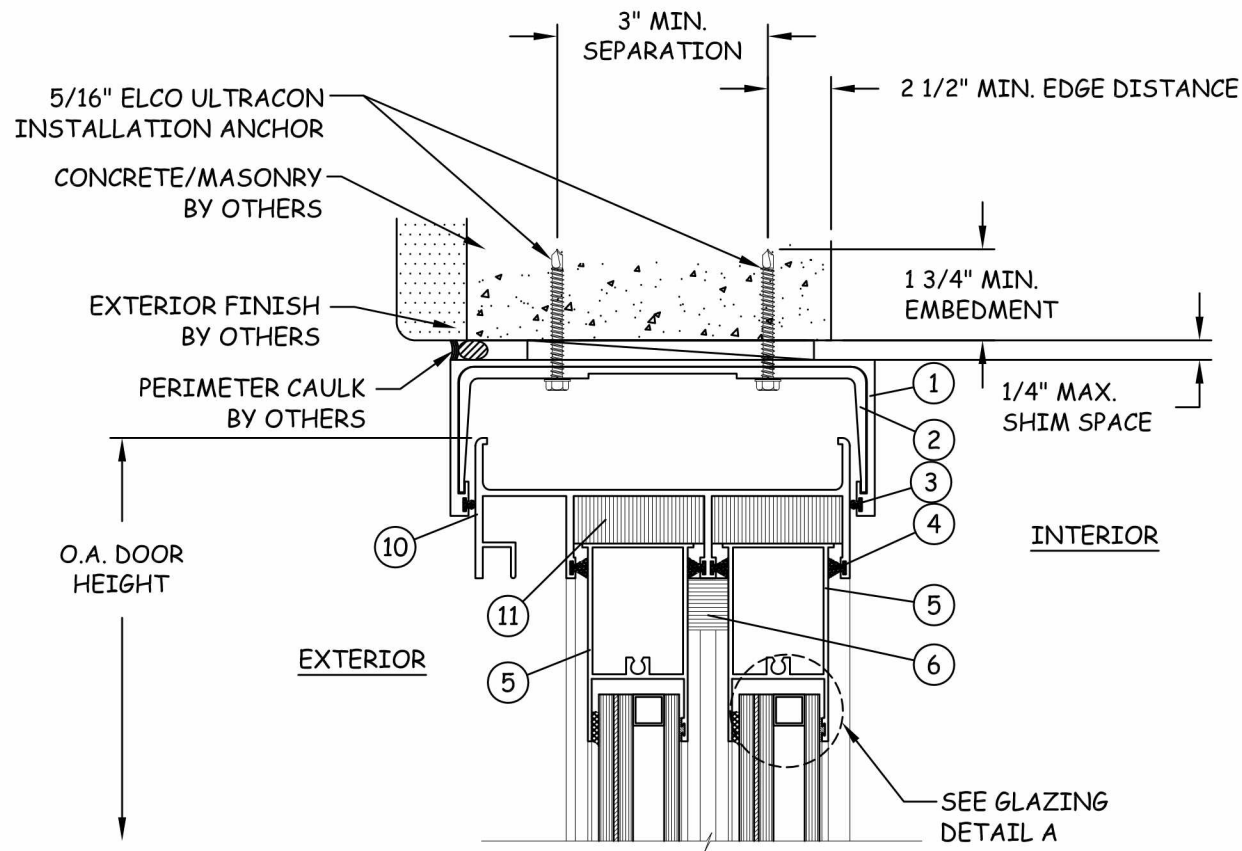
DATE:	07.13.12
DWN BY:	JLA
CHK BY:	HFN
SCALE:	NTS

DWG #:  
**CGS007**  
SHEET: 2 OF 9



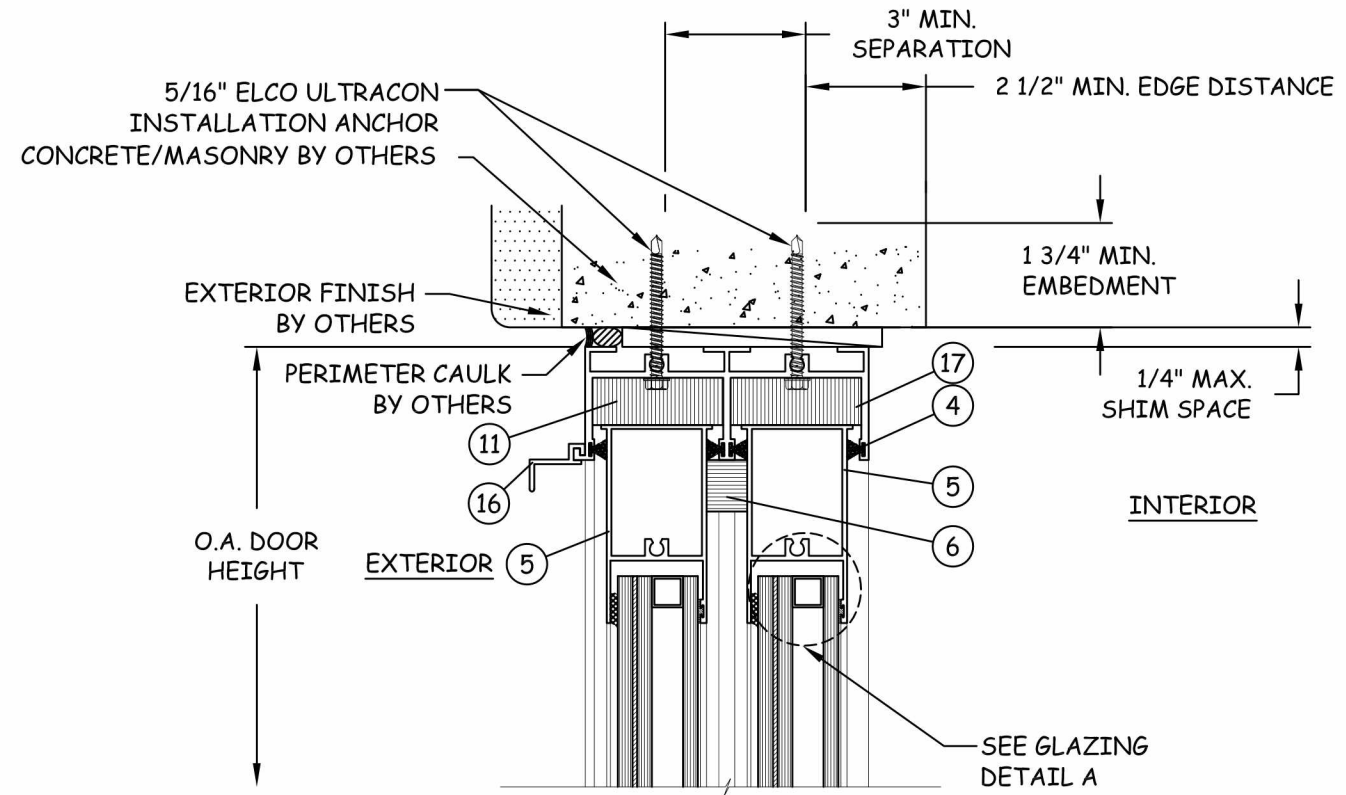
8/25/2016 1:31 PM

s:\projects\continental\_glass\_systems\16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\dwg\cgs007\_2200\_fm.dwg

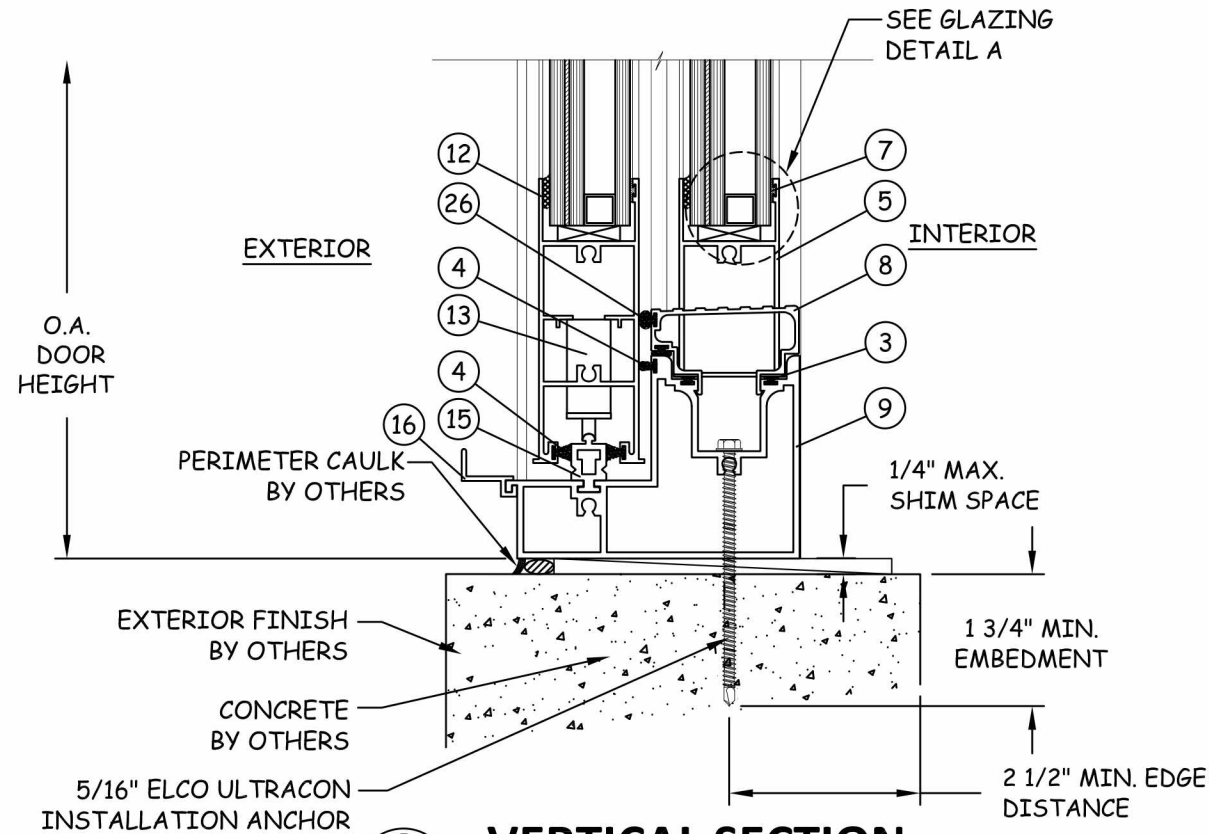


**B**  
**4** **VERTICAL SECTION**  
REINFORCED HEAD RECEPTOR  
CONCRETE/MASONRY

NOTE: ITEM 11 IS CONTINUOUS THROUGH  
ENTIRE LENGTH OF FRAME HEAD.



**C**  
**4** **VERTICAL SECTION**  
STANDARD HEAD - CONCRETE/MASONRY



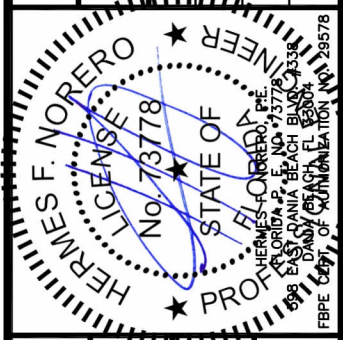
**A**  
**4** **VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
PRE-CAST SILL



325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2200 ALUM.  
SLIDING GLASS DOOR  
VERTICAL SECTIONS  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

REVISIONS		NO.	DESCRIPTION	BY	DATE
A	FBC 2010 CODE CHANGE	JLA	07.25.12		
B	5TH EDITION CODE CHANGE	MSS	08.24.16		

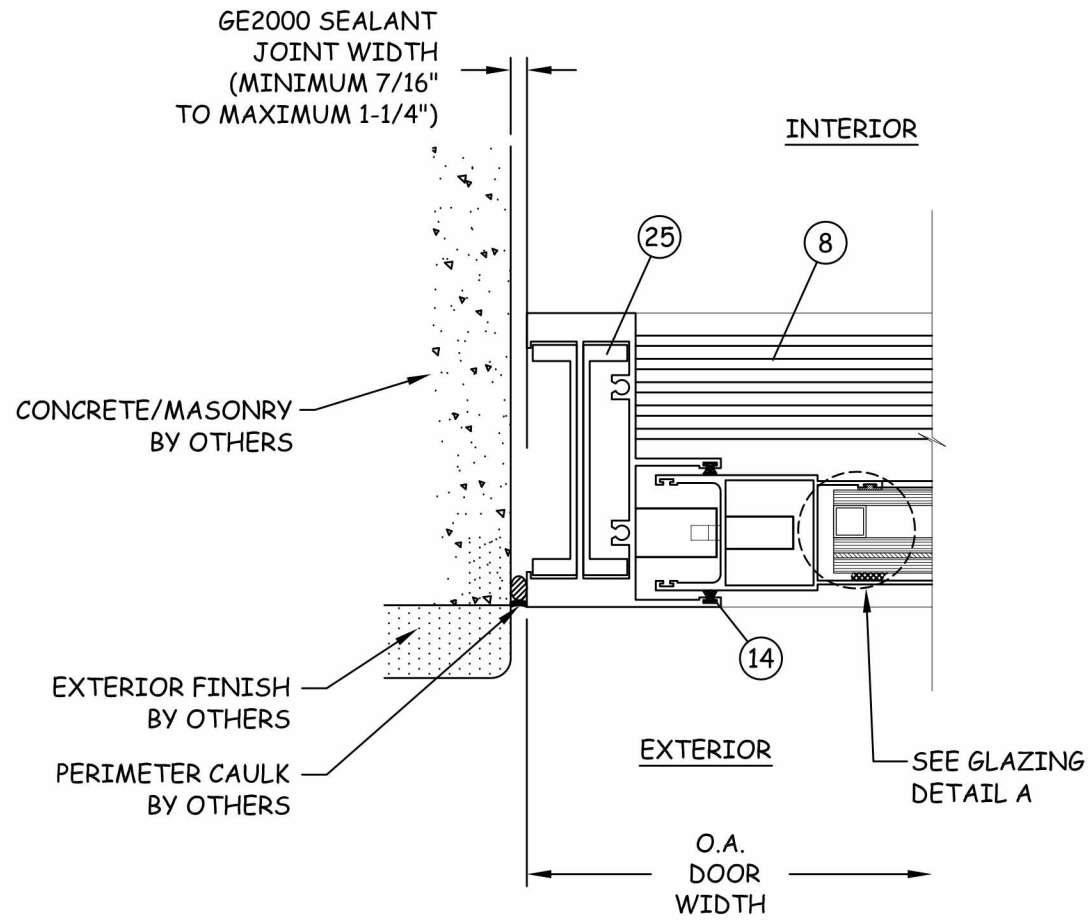


DATE: 07.13.12  
DWN BY: JLA  
CHK BY: HFN  
SCALE: NTS

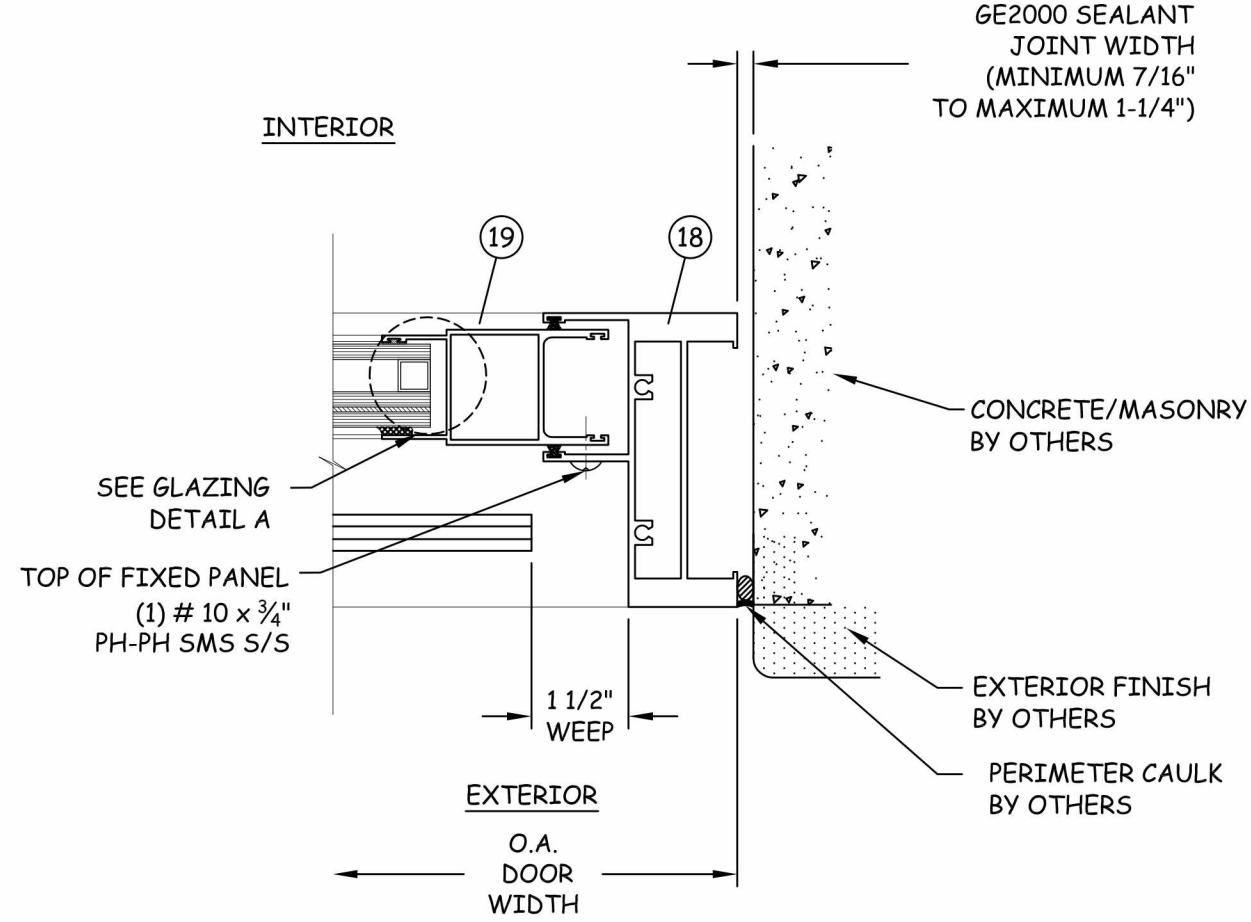
DWG #: **CGS007**  
SHEET: **4 OF 9**

8/25/2016 1:31 PM

s:\projects\continental\_glass\_systems\fb-16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\dwg\cgs007\_2200\_fm.dwg

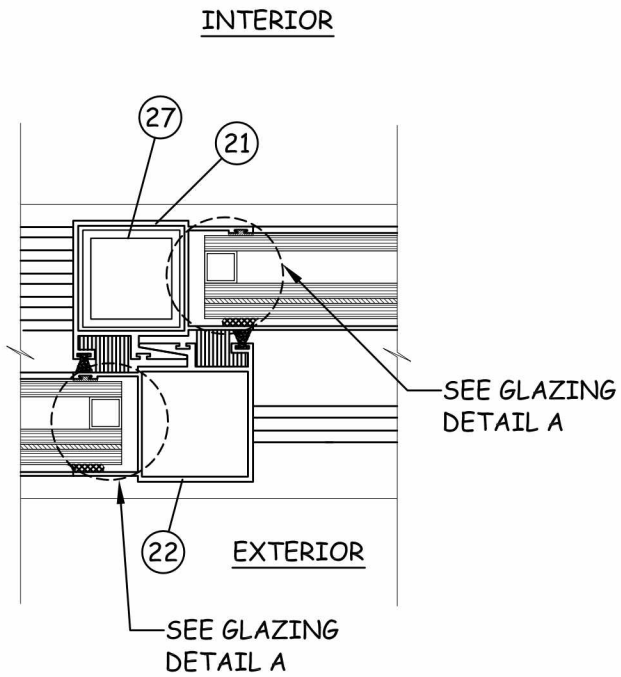


**F5** HORIZONTAL SECTION  
REINFORCED JAMB - CONCRETE/MASONRY

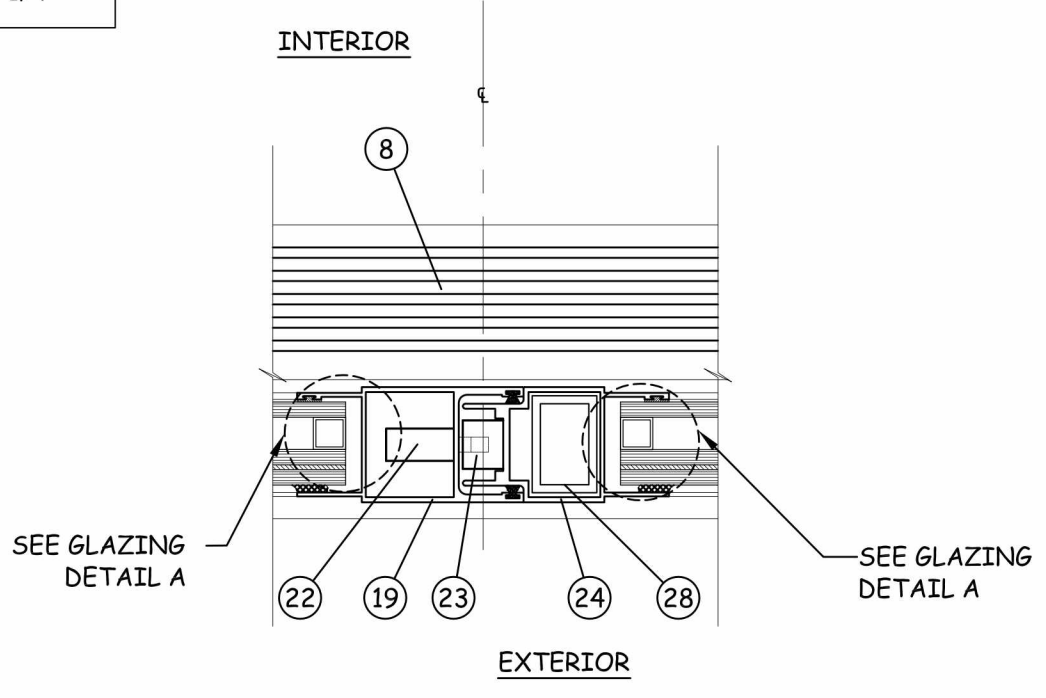


**G5** HORIZONTAL SECTION  
JAMB - CONCRETE/MASONRY

NOTES:  
1. BACKER ROD DIAMETER EQUALS SEAL WIDTH X 120%  
2. SEALANT DEPTH IS 5/8" (-0", +1/16") FOR SEALANT WIDTH UP TO 1-1/4"



**D5** HORIZONTAL SECTION  
INTERLOCK



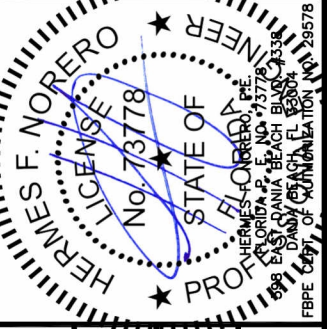
**E5** HORIZONTAL SECTION  
BUTTSTILE



325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2200 ALUM. SLIDING GLASS DOOR HORIZONTAL SECTIONS  
PREPARED BY: BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004 PH: 954.399.8478 FX: 954.744.4738

NO.	DESCRIPTION	BY	DATE
		A	JLA
B	5TH EDITION CODE CHANGE	MSS	08.24.16



DATE: 07.13.12  
DWN BY: JLA  
CHK BY: HFN  
SCALE: NTS

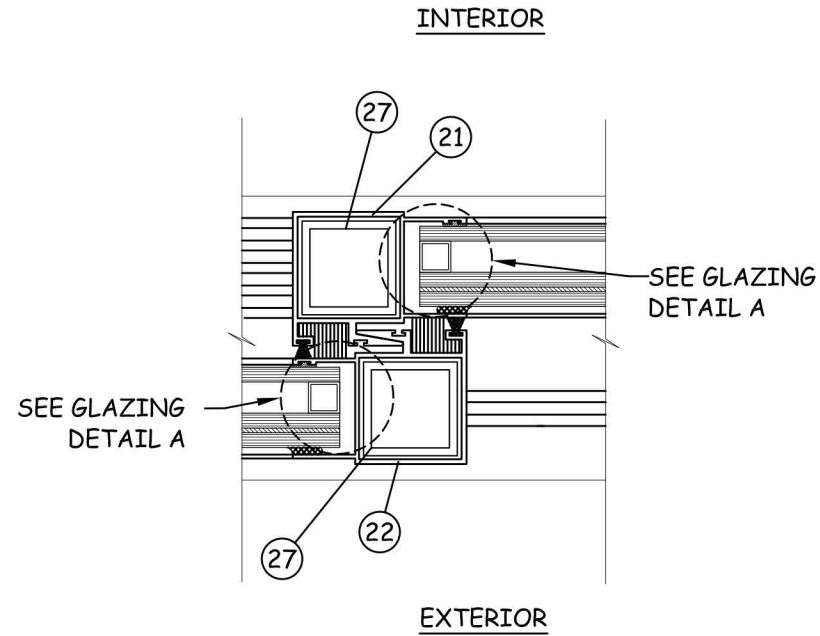
DWG #: CGS007  
SHEET: 5 OF 9

8/25/2016 1:31 PM

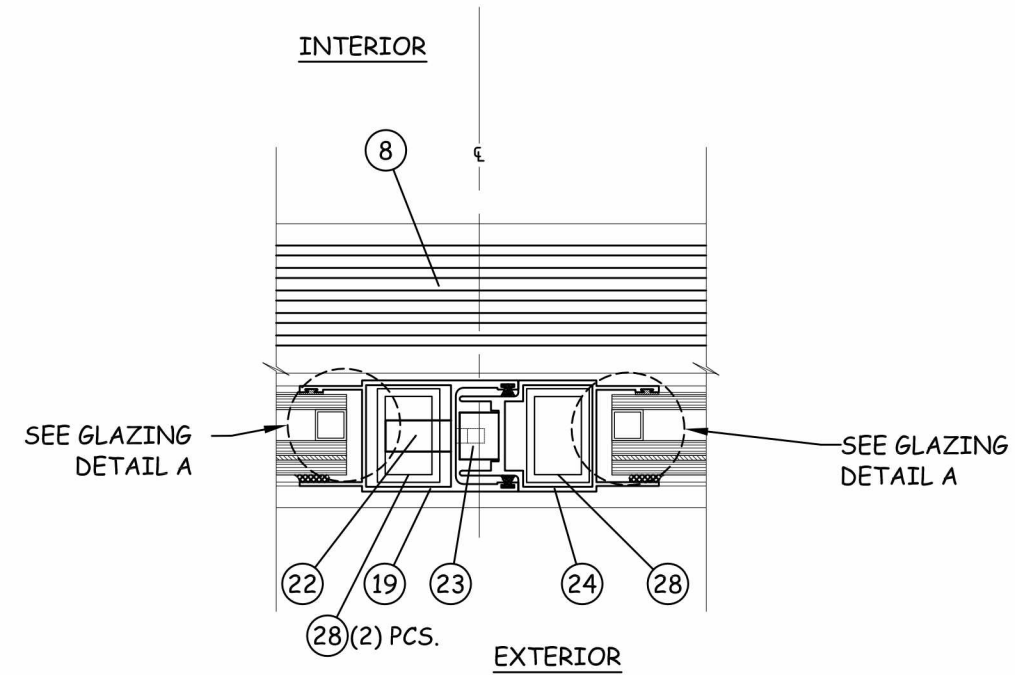
s:\projects\continental\_glass\_systems\16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\cgs007\_2200\_fm.dwg



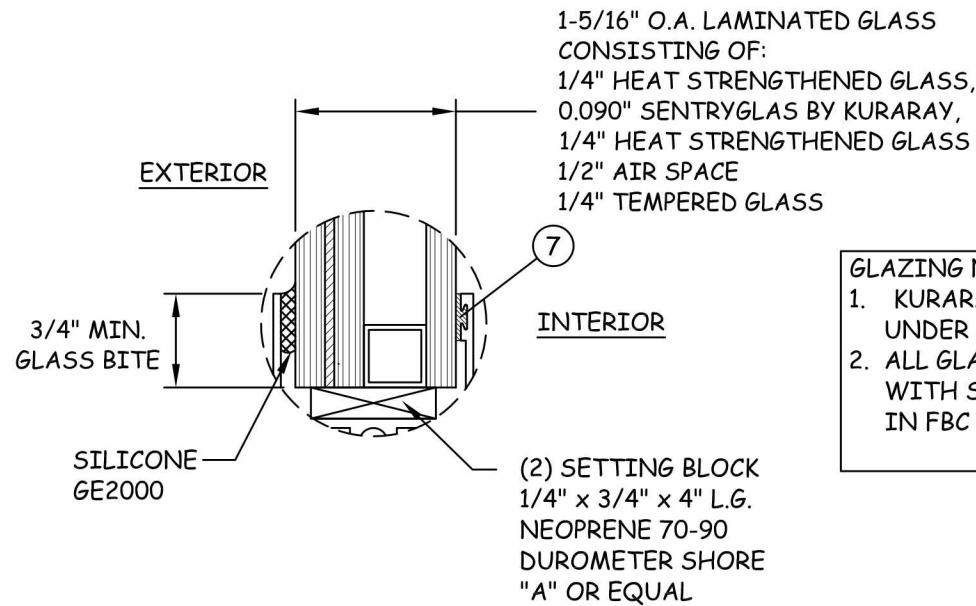
325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103



**H**  
**6** **HORIZONTAL SECTION**  
REINFORCED INTERLOCK



**I**  
**6** **HORIZONTAL SECTION**  
REINFORCED BUTTSTILE



**GLAZING DETAIL A**

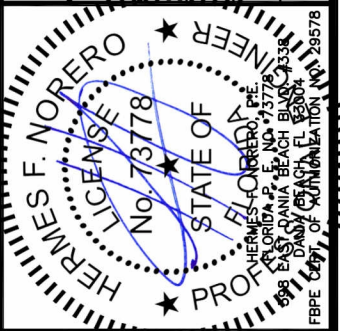
**GLAZING NOTES:**

1. KURARAY SENTRY GLASS INTERLAYER APPROVED UNDER SEPARATE NOA & MEETS FBC REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN FBC SECTION 2406.

**TITLE:** SERIES 2200 ALUM. SLIDING GLASS DOOR HORIZONTAL SECTIONS & GLAZING DETAIL

**PREPARED BY:** BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

REVISIONS		BY	DATE
NO.	DESCRIPTION		
A	FBC 2010 CODE CHANGE	JLA	07.25.12
B	5TH EDITION CODE CHANGE	MSS	08.24.16



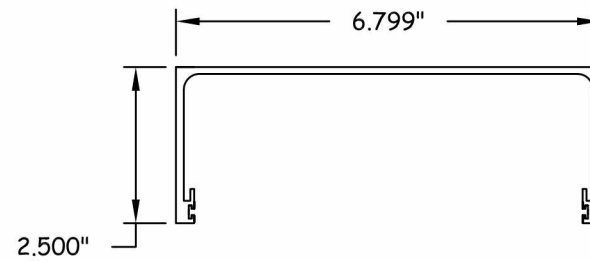
DATE:	07.13.12	DWN BY:	JLA	CHK BY:	HFN	SCALE:	NTS
-------	----------	---------	-----	---------	-----	--------	-----

DWG #: **CGS007**  
SHEET: **6 OF 9**

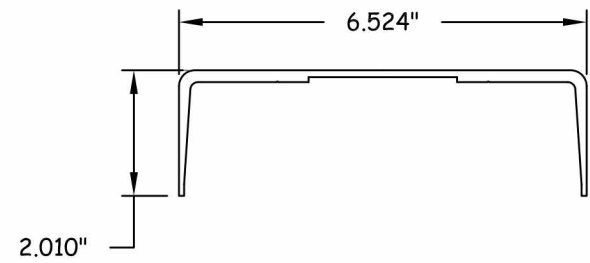
## BILL OF MATERIALS

ITEM NO.	DESCRIPTION	PARTS NUMBERS	MATERIAL	MANUFACTURER
1	HEAD RECEPTOR	2000-07	ALUMINUM 6005-T5	CGS
2	REINFORCING	2000-16	ALUMINUM 6005-T5	CGS
3	VINYL BULB	FP-448-V	PLASTIC	
4	FIN-SEAL .370 X .187		ULTRAFAB	ULTRAFAB
5	TOP & BOTTOM PANEL STILE	2200-09	ALUMINUM 6005-T5	CGS
6	INTERLOCK PAD	P 7509 AFK	ULTRAFAB	ULTRAFAB
7	GLASS SPACING		PLASTIC	
8	THRESHOLD	2000-24	ALUMINUM 6063-T6	CGS
9	SILL	2000-03	ALUMINUM 6005-T5	CGS
10	HEAD	2000-01	ALUMINUM 6005-T5	CGS
11	HEAD PAD	P 10009 AFK	ULTRAFAB	ULTRAFAB
12	BOTTOM MOVING PANEL STILE	2200-38	ALUMINUM 6005-T5	CGS
13	WHEEL	AR-50A		
14	FIN-SEAL .250 X .187		ULTRAFAB	ULTRAFAB
15	SILL TRACK	2000-05	ALUMINUM 6005-T5	CGS
16	SCREEN TRACK	2000-15	ALUMINUM 6005-T5	CGS
17	STANDARD HEAD	2000-02	ALUMINUM 6005-T5	CGS
18	JAMB	2000-36	ALUMINUM 6063-T6	CGS
19	LOCK STILE	2200-10	ALUMINUM 6005-T5	CGS
20	INTERLOCK	2200-11	ALUMINUM 6005-T5	CGS
21	LEFT INTERLOCK	2200-17	ALUMINUM 6005-T5	CGS
22	LOCK	D-60 C		
23	KEEPER	KP-50		
24	ASTRAGAL	2200-18	ALUMINUM 6005-T5	CGS
25	ALUMINUM CHANNEL REINFORCEMENT	2200-37	ALUMINUM 6005-T5	CGS
26	Q-LON	U4332		
27	1/8" X 1 1/2" X 1 1/2" ALUMINUM TUBE	2200-38	ALUMINUM 6005-T5	CGS
28	1/8" X 1" X 1 1/2" ALUMINUM TUBE	2200-39	ALUMINUM 6005-T5	CGS

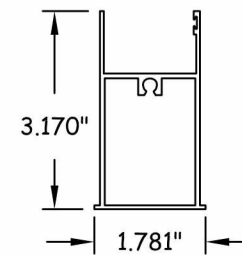
1 HEAD RECEPTOR  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .118"



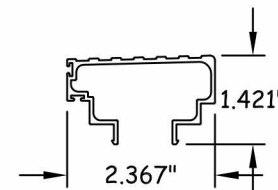
2 REINFORCING  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .188"



5 TOP & BOTTOM PANEL STILE  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .075"



8 THRESHOLD  
ALUMINUM 6063-T6  
TYPICAL WALL THICKNESS: .075"



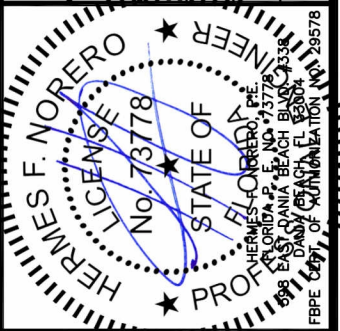
325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2200 ALUM.  
SLIDING GLASS DOOR  
COMPONENTS  
& BILL OF MATERIALS

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

### REVISIONS

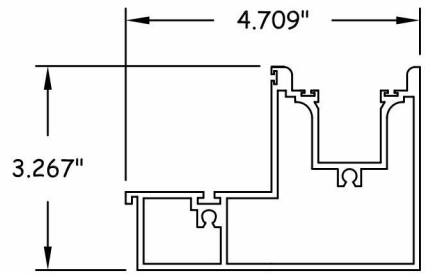
NO.	DESCRIPTION	BY	DATE
A	FBC 2010 CODE CHANGE	JLA	07.25.12
B	5TH EDITION CODE CHANGE	MSS	08.24.16



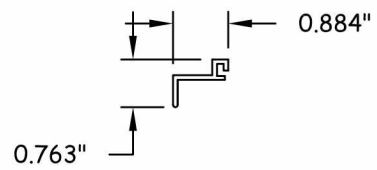
DATE:	07.13.12
DWN BY:	JLA
CHK BY:	HFN
SCALE:	NTS

DWG #:  
**CGS007**  
SHEET: 7 OF 9

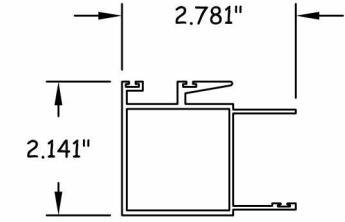
9 SILL  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .100"



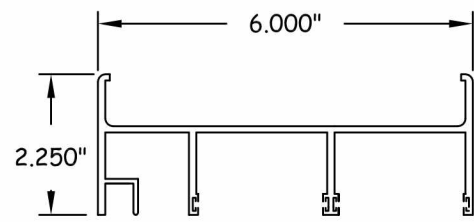
16 SCREEN TRACK  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .075"



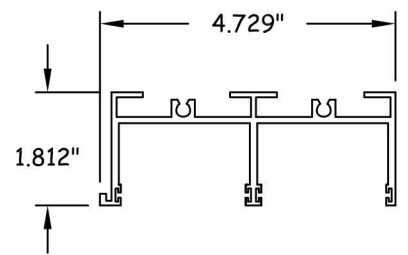
20 INTERLOCK  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .078"



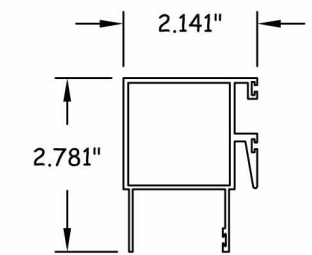
10 HEAD  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .100"



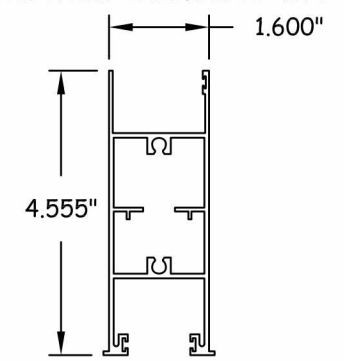
17 STANDARD HEAD  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .100"



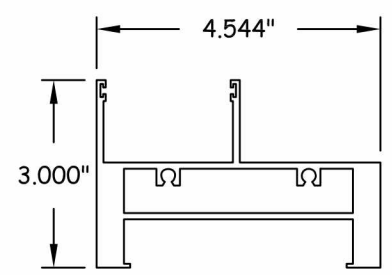
21 LEFT INTERLOCK  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .078"



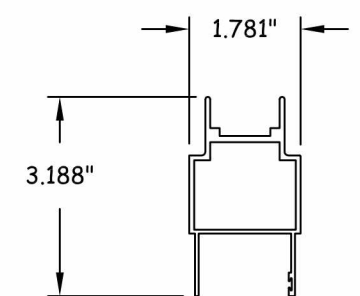
12 BOTTOM MOVING PANEL STILE  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .075"



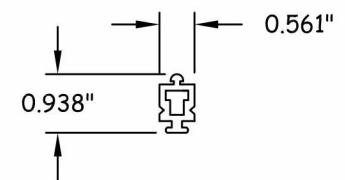
18 JAMB  
ALUMINUM 6063-T6  
TYPICAL WALL THICKNESS: .075"



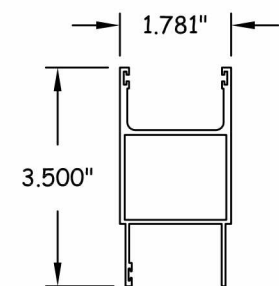
24 ASTRAGAL  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .078"



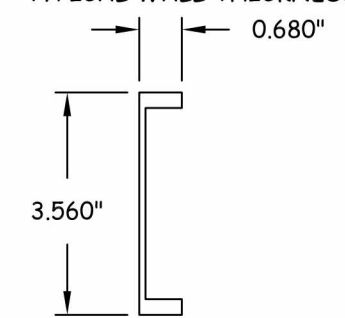
15 SILLTRACK  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .075"



19 LOCK STILE  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .078"



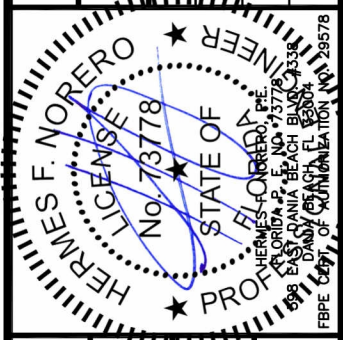
25 ALUMINUM CHANNEL REINFORCEMENT  
ALUMINUM 6005-T5  
TYPICAL WALL THICKNESS: .019"



325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2200 ALUM. SLIDING GLASS DOOR COMPONENTS  
PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

REVISIONS		NO.	DESCRIPTION	BY	DATE
A	FBC 2010 CODE CHANGE	JLA	07.25.12		
B	5TH EDITION CODE CHANGE	MSS	08.24.16		



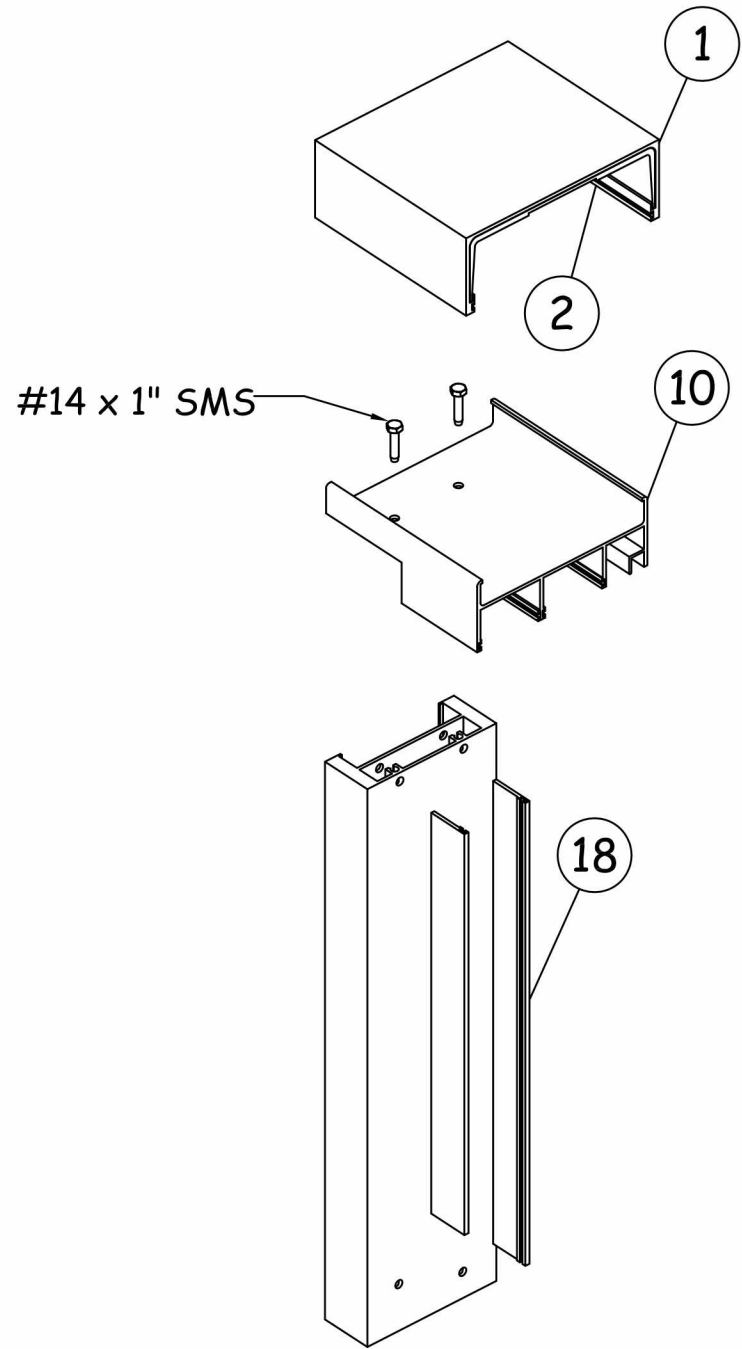
DATE: 07.13.12  
DWN BY: JLA  
CHK BY: HFN  
SCALE: NTS

DWG #: CGS007  
SHEET: 8 OF 9

8/25/2016 1:31 PM s:\projects\continental\_glass\_systems\fb-16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\dwg\cgs007\_2200\_lm.dwg



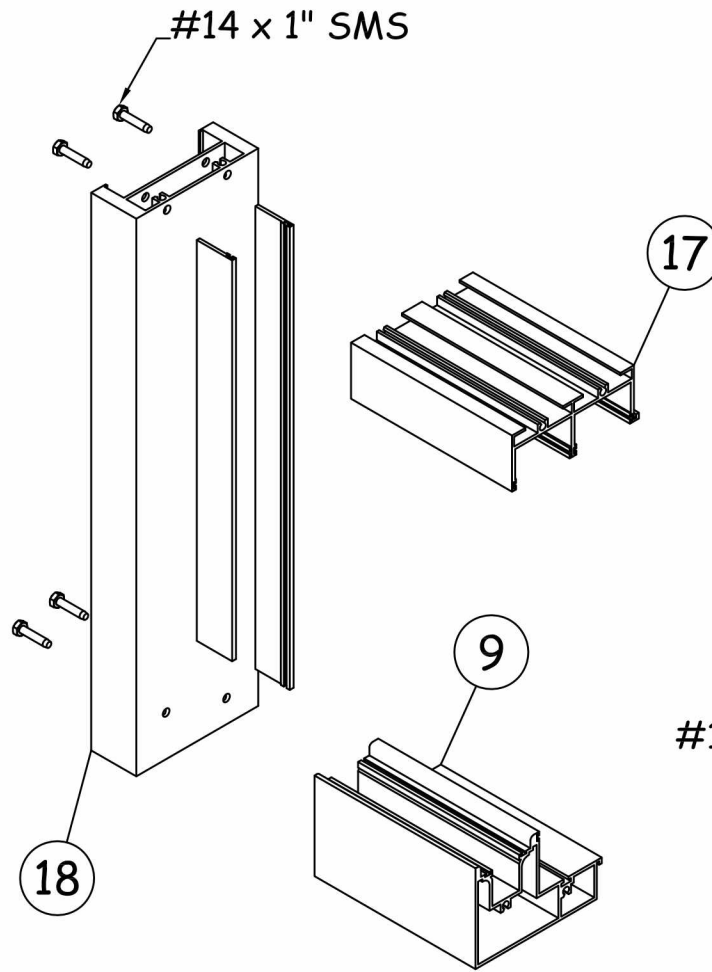
s:\projects\continental\_glass\_systems\16-0739.1\_fbc\_submittal\_series\_2200\_sliding\_glass\_doors\dwg\cgs007\_2200\_fm.dwg 8/25/2016 1:31 PM



**J**  
**9**

**HEAD RECEPTOR**

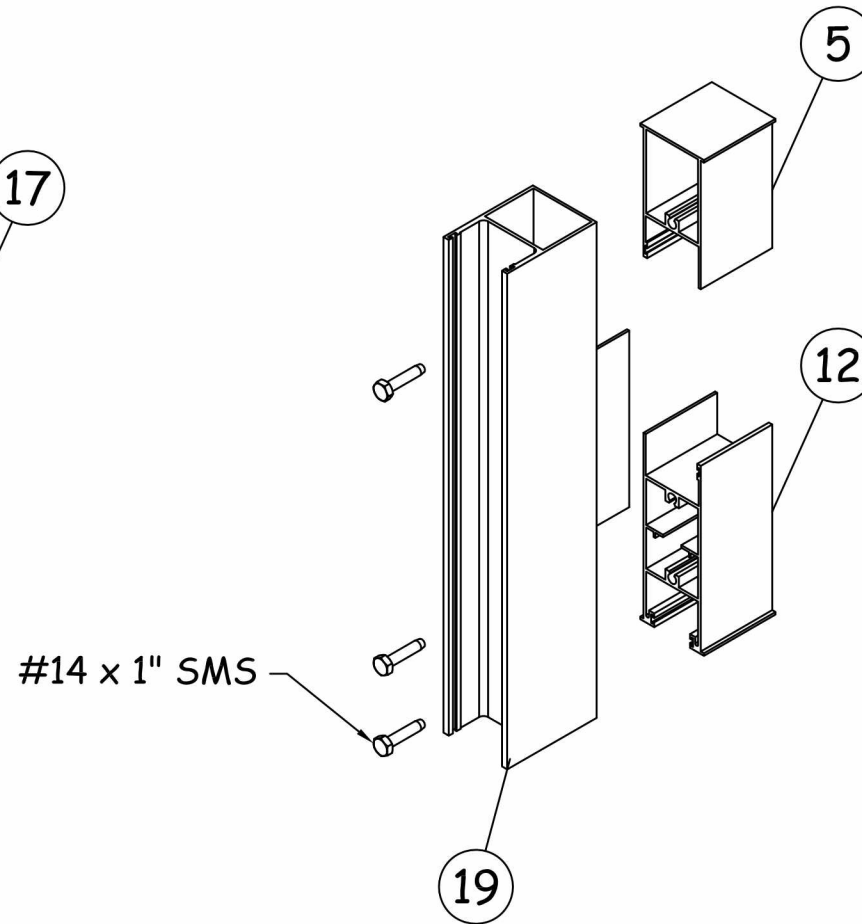
HEAD ASSEMBLY  
FRAME CONSTRUCTION



**K**  
**9**

**STANDARD FRAME**

HEAD & SILL ASSEMBLY  
FRAME CONSTRUCTION



**L**  
**9**

**DOOR PANEL**

TOP & BOTTOM CORNERS  
PANEL CONSTRUCTION

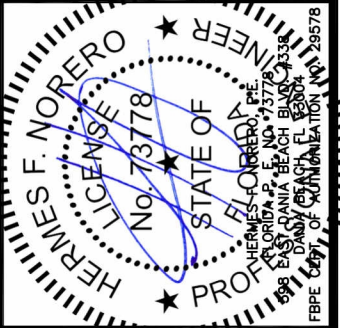


325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2200 ALUM.  
SLIDING GLASS DOOR  
CORNER ASSEMBLIES

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

REVISIONS		BY	DATE
NO.	DESCRIPTION		
A	FBC 2010 CODE CHANGE	JLA	07.25.12
B	5TH EDITION CODE CHANGE	MSS	08.24.16



DATE: 07.13.12  
DWN BY: JLA  
CHK BY: HFN  
SCALE: NTS

DWG #: **CGS007**  
SHEET: **9 OF 9**