

# CONTINENTAL GLASS SYSTEMS

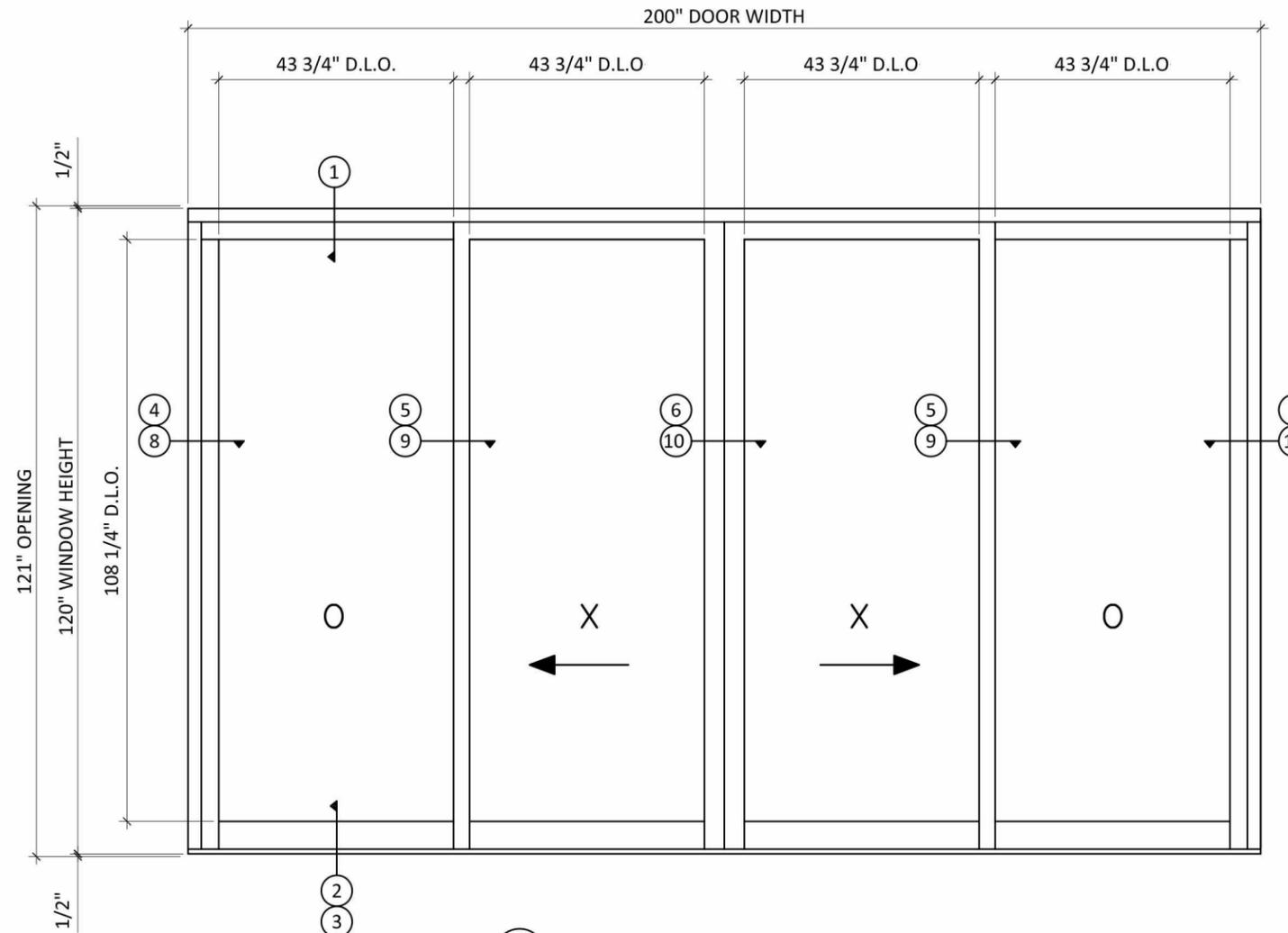
## SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI)



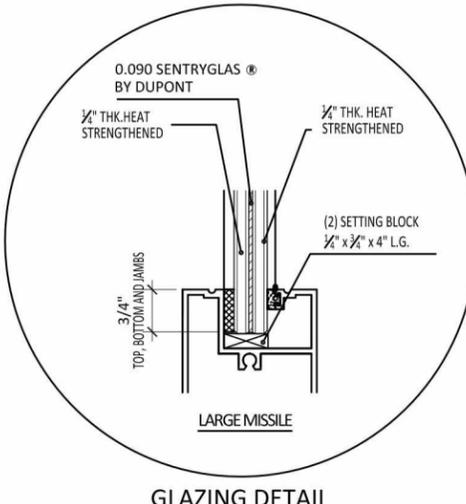
325 W. 74TH PLACE  
 HIALEAH, FL 33014  
 PH: (305) 231-1101 FX: (305) 231-1103

**GENERAL NOTES:**

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT 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, STEEL, 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 PERA.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING LARGE IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T6
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN THE CURRENT FBC.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
- APPROVED STRUCTURAL SILICONE:
  - 795 DOW CORNING
  - 983 DOW CORNING
  - SIKASIL SG-500 CN
  - SIKASIL SG-18



1 LIFT AND SLIDE GLASS DOOR ELEVATION  
 EXTERIOR VIEW



GLAZING DETAIL

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DESIGN PRESSURE RATING			
PANEL SIZE	REINFORCEMENT	DESIGN PRESSURE	MISSILE IMPACT RATING
50 5/16" x 120"	ALUMINUM	+120/-150.0 PSF	LARGE MISSILE IMPACT
	NONE	+120/-150.0 PSF	
	NONE	+/-120.0 PSF	

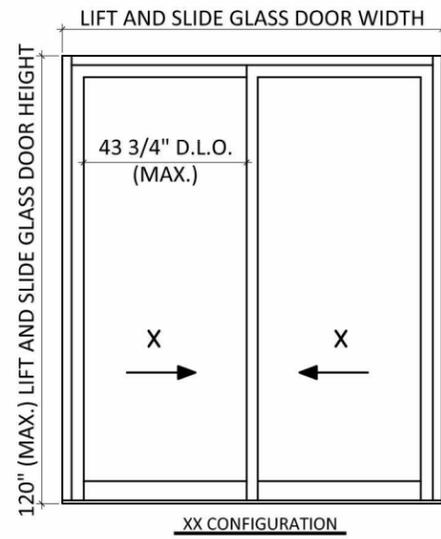
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 Reason: I am approving this document  
 Date: 2015.09.30 11:26:11 -04'00'

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI)  
 GENERAL NOTES AND 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

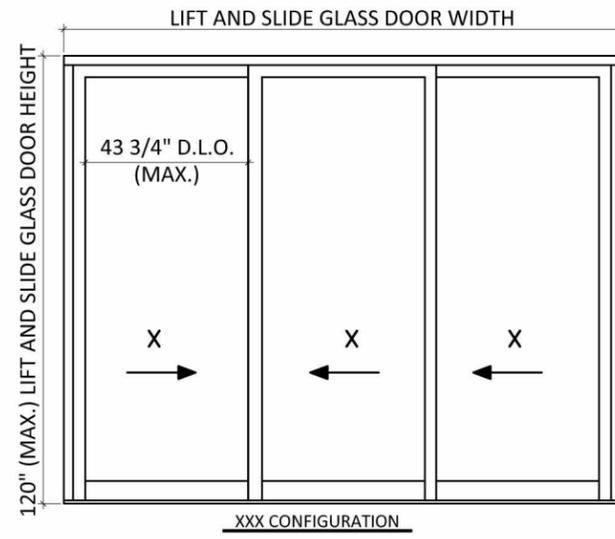
REVISIONS	
DESCRIPTION	BY DATE
FBC 5TH EDITION REVISIONS	LS 09.03.15



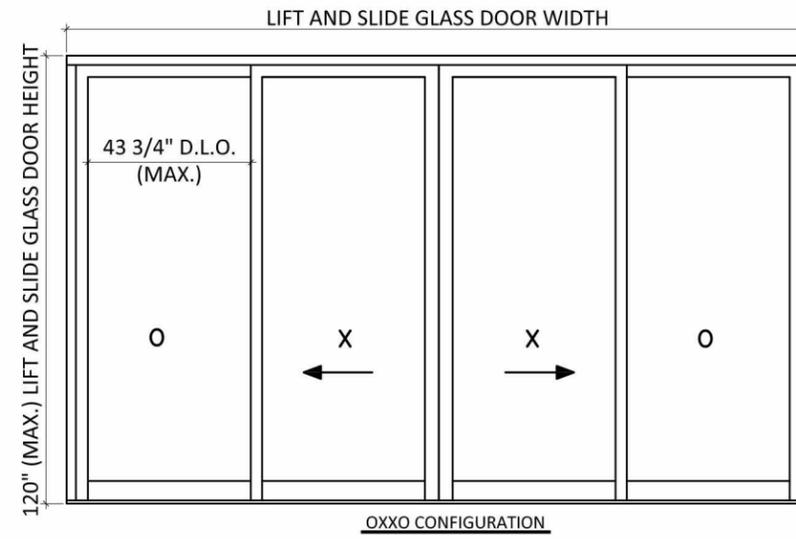
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 DWN BY: RV  
 CHK BY: HFN  
 SCALE: NTS  
 DWG #: CGS090  
 SHEET: 1 OF 10



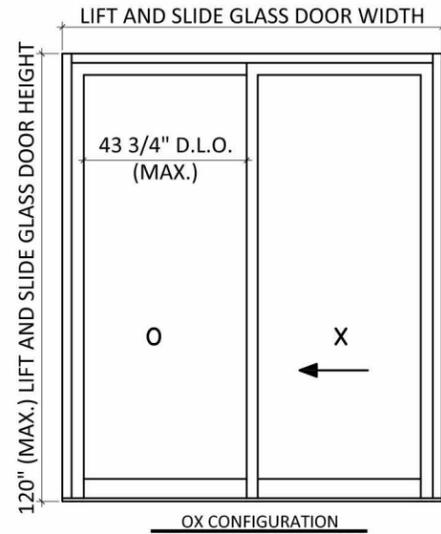
XX CONFIGURATION



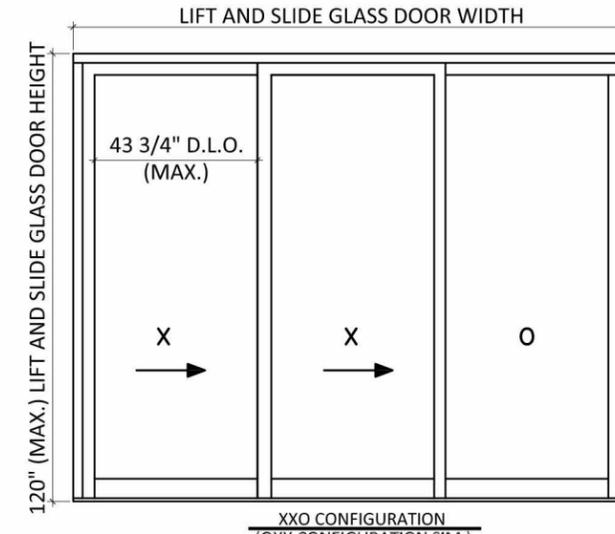
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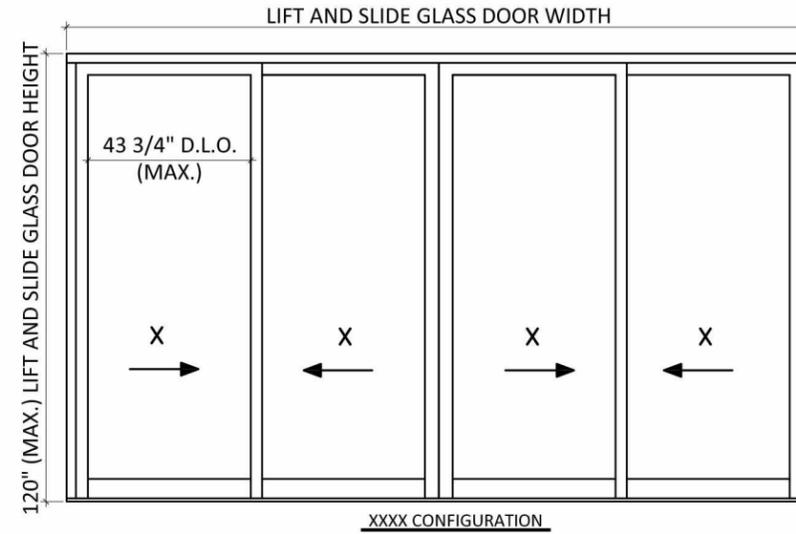
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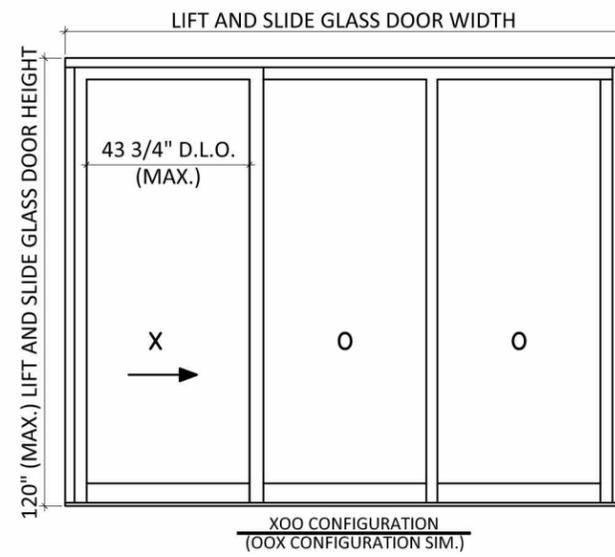
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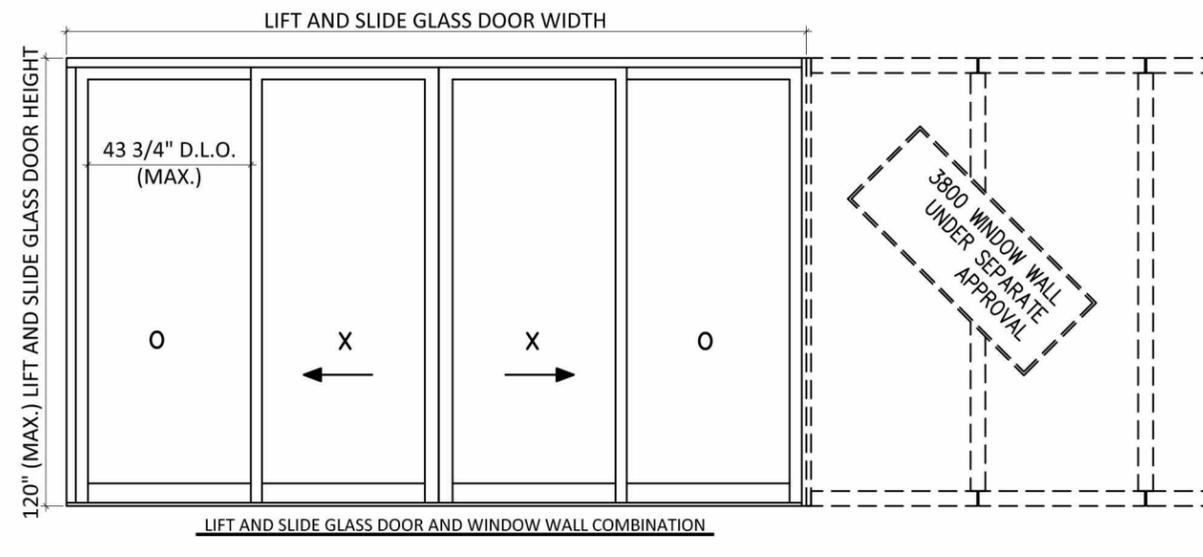
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XXXX CONFIGURATION



XOO CONFIGURATION  
(OOX CONFIGURATION SIM.)



LIFT AND SLIDE GLASS DOOR AND WINDOW WALL COMBINATION

ALLOWABLE CONFIGURATIONS



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

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LWI)  
ALLOWABLE CONFIGURATIONS  
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
1		A	FBC 5TH EDITION REVISIONS	LS	09.03.15



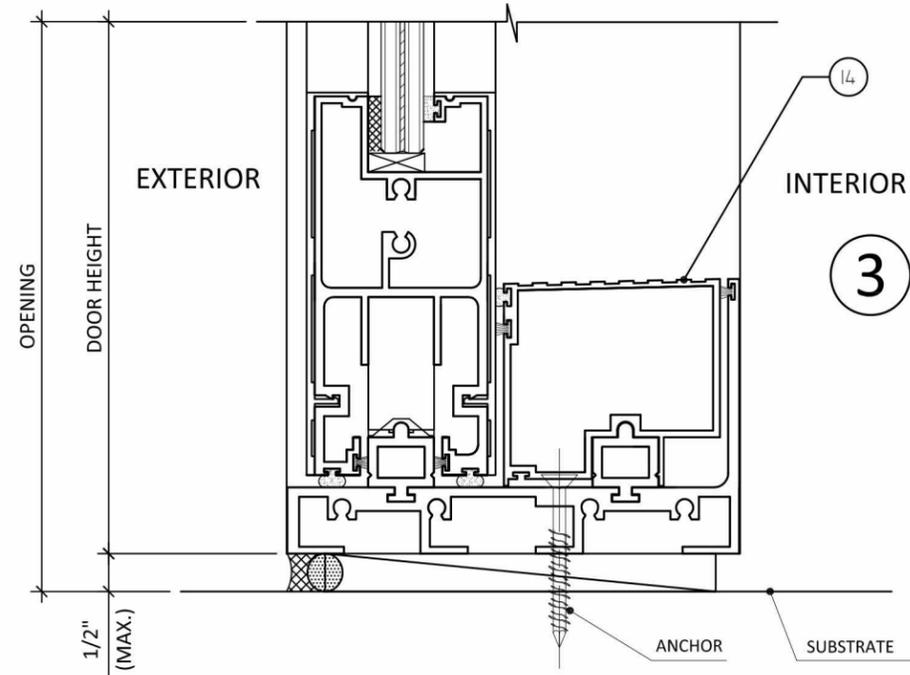
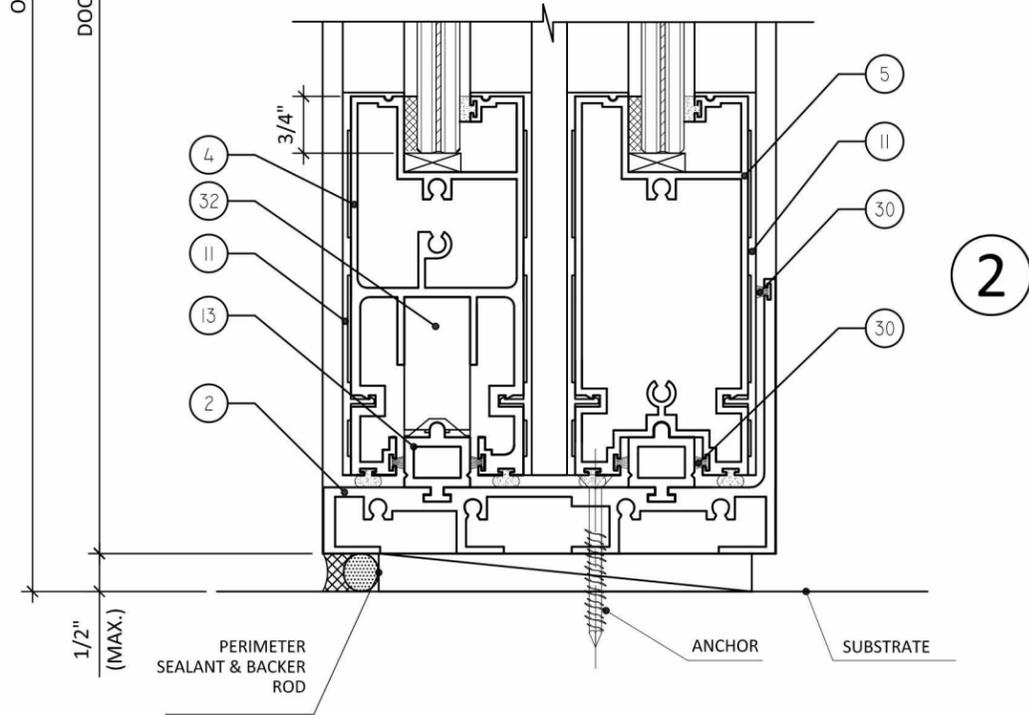
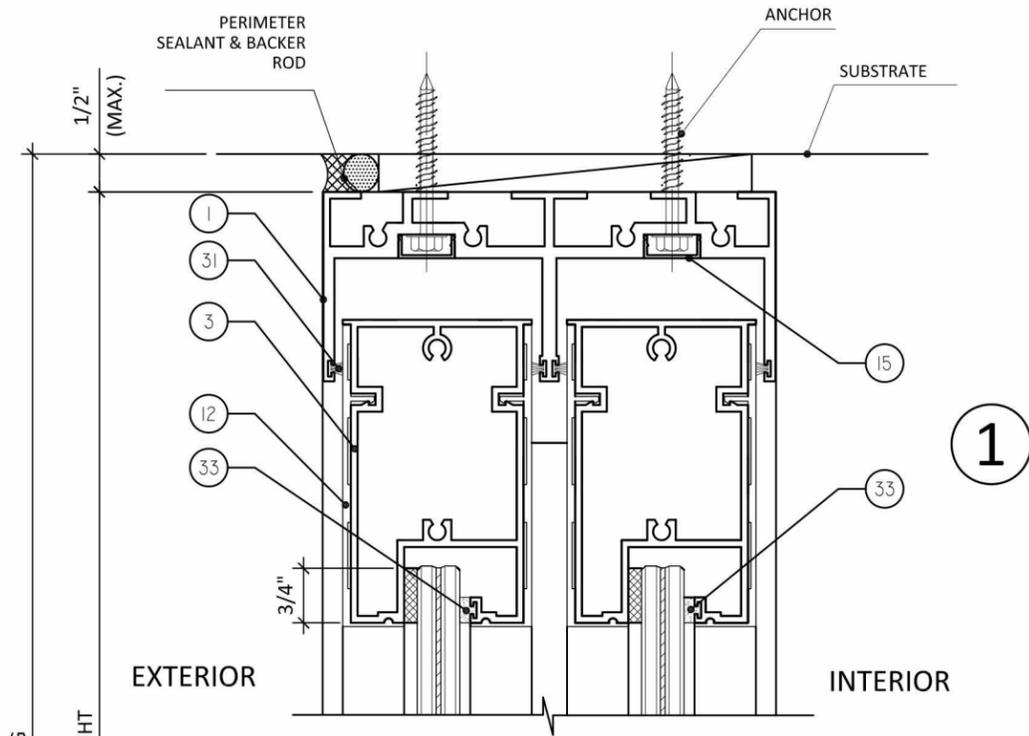
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CHK BY: HFN  
SCALE: NTS

DWG #: CG5090

SHEET: 2 OF 10

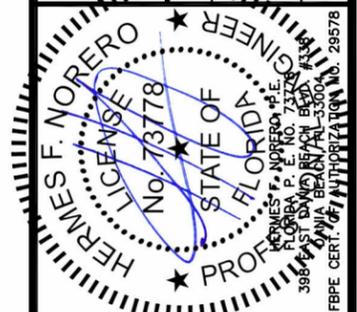
TITLE: SERIES 2800 LIFT AND  
SLIDE GLASS DOOR (LMI)  
VERTICAL SECTIONS

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



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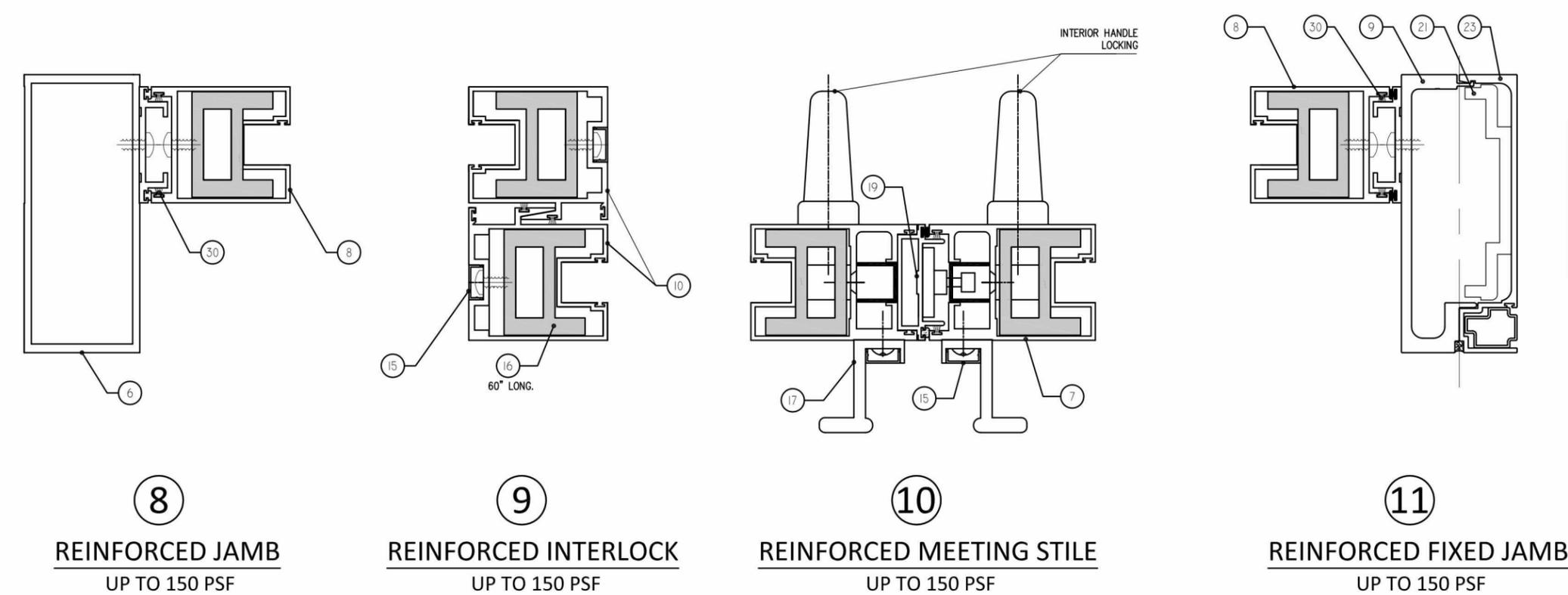
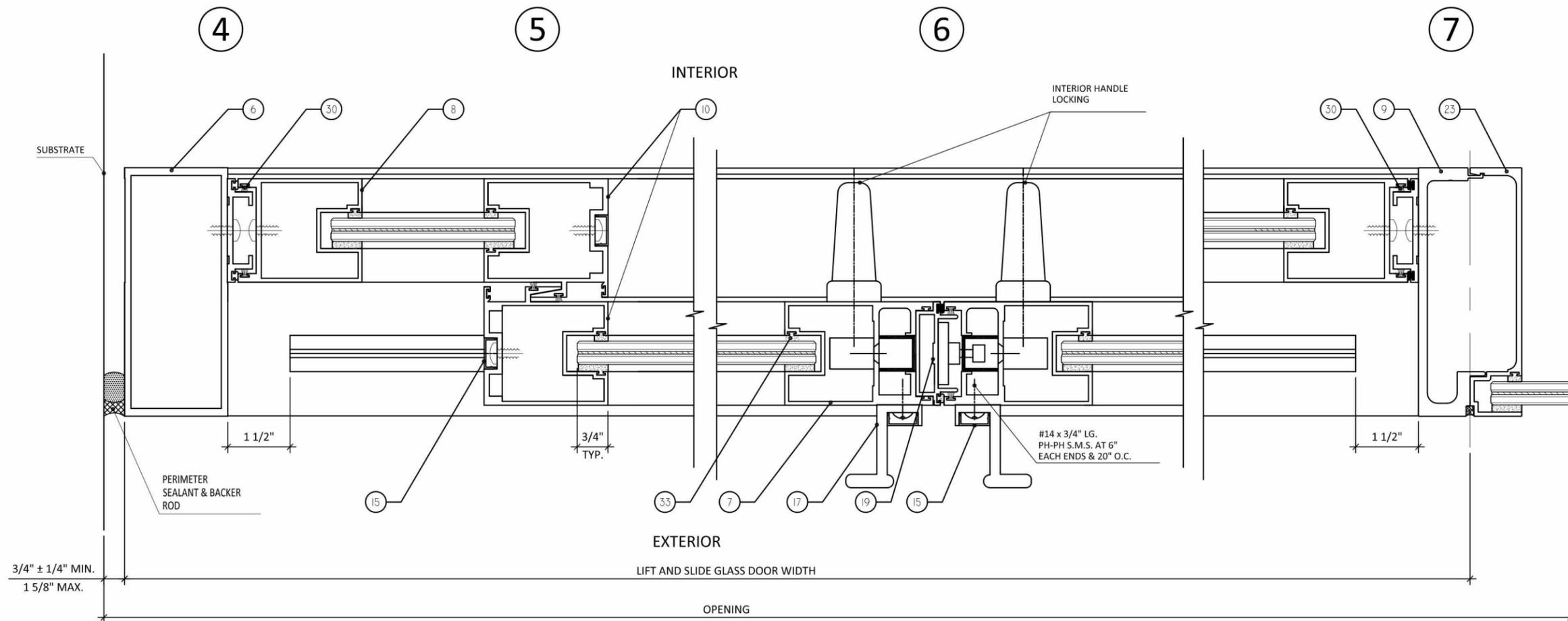


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DWN BY: RV  
CHK BY: HFN  
SCALE: NTS

DWG #: CGS090

SHEET: 3 OF 10

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI)  
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



**NOTES:**  
1- BACKER ROD DIAMETER  
EQUALS SEAL WIDTH x 120%  
2- SEALANT DEPTH IS:  
1/2" FOR WIDTHS UP TO 1" AND  
5/8" FOR WIDTHS OVER 1".

**REVISIONS**

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SCALE:	NTS

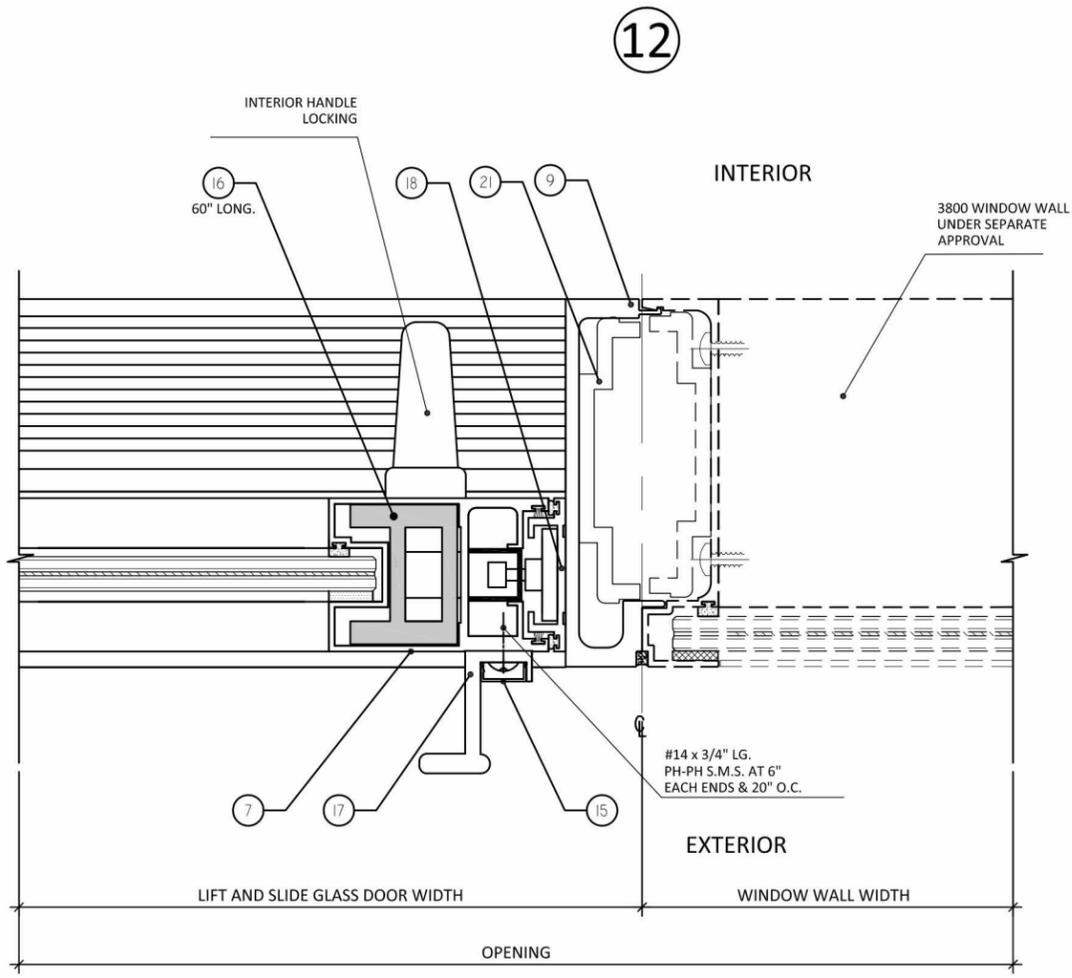
DWG #: CGS090

SHEET: 4 OF 10



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

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI)  
 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



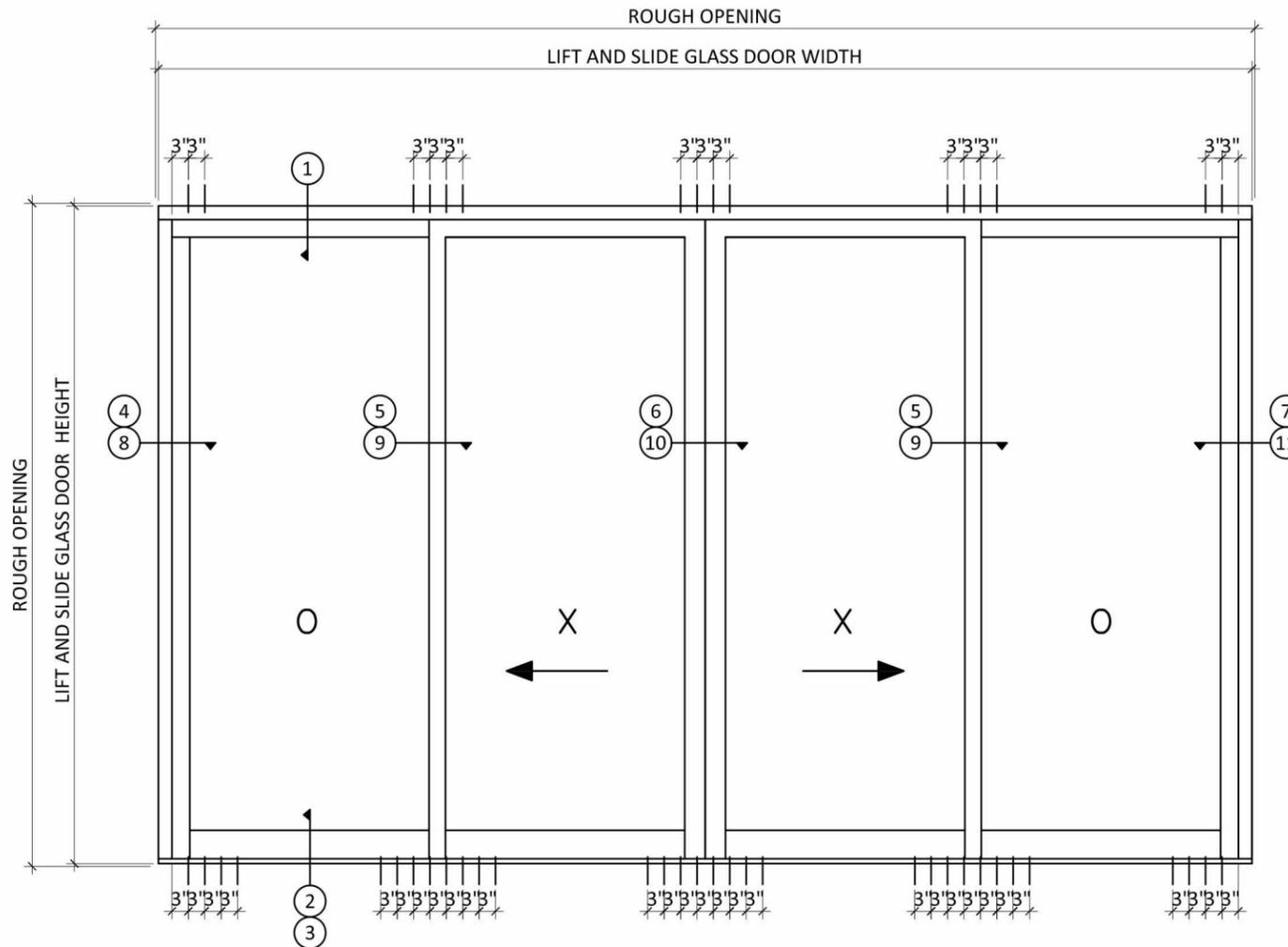
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SHEET: 5 OF 10



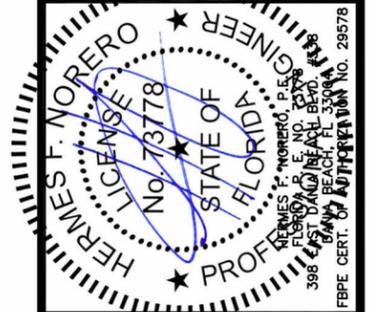
LIFT AND SLIDE GLASS DOOR ELEVATION  
EXTERIOR VIEW

**INSTALLATION NOTES:**

1. TWO (2) INSTALLATION ANCHORS ON HEAD AND ONE (1) INSTALLATION ANCHOR ON SILL FOR EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
4. 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.
5. FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 5/16 INCH DIAMETER ELCO ULTRACON OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
6. FOR INSTALLATION DIRECTLY INTO WOOD FRAME, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION DIRECTLY INTO STEEL FRAME, USE 1/4" DIAMETER PT 5 GRADE 5 TEKS SELECT SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. FOR HOLLOW BLOCK AND 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.
11. 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.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - C. 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.
  - D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
  - E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 16 GA. (0.0598") MAX. 1/2" WALL THICKNESS.
  - F. ALUMINIUM - 6063-T6 MINIMUM YIELD STRENGTH OF 25 KSI. MINIMUM .25" WALL THICKNESS.

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI)  
ANCHOR LOCATIONS  
PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738

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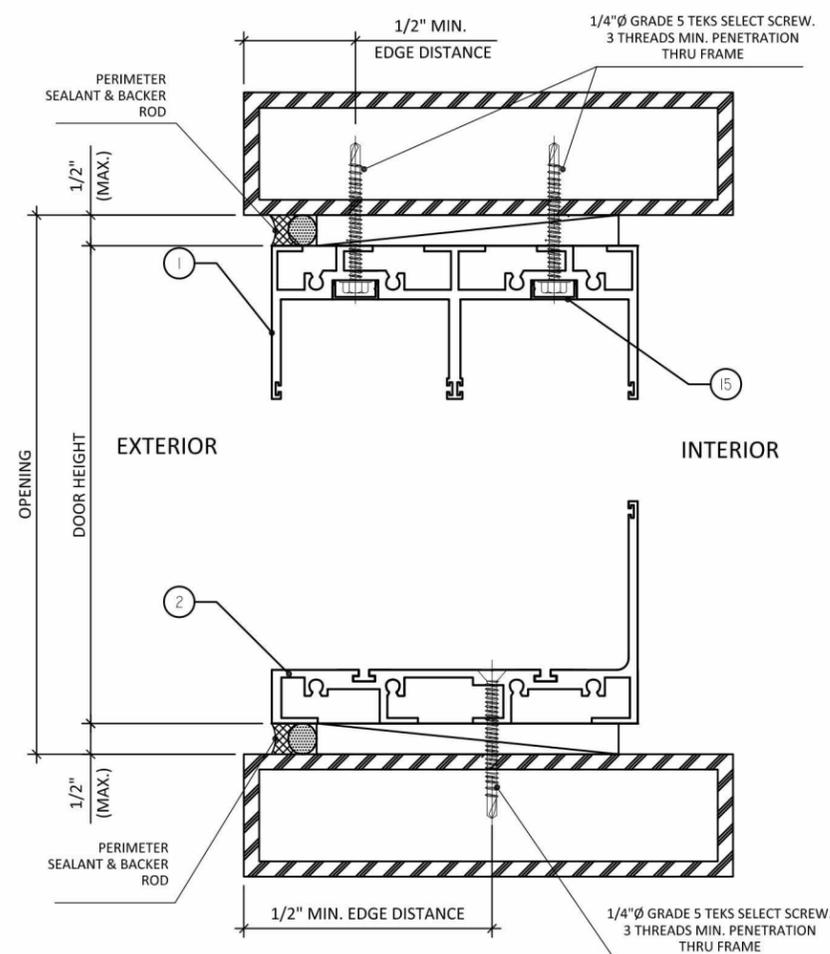


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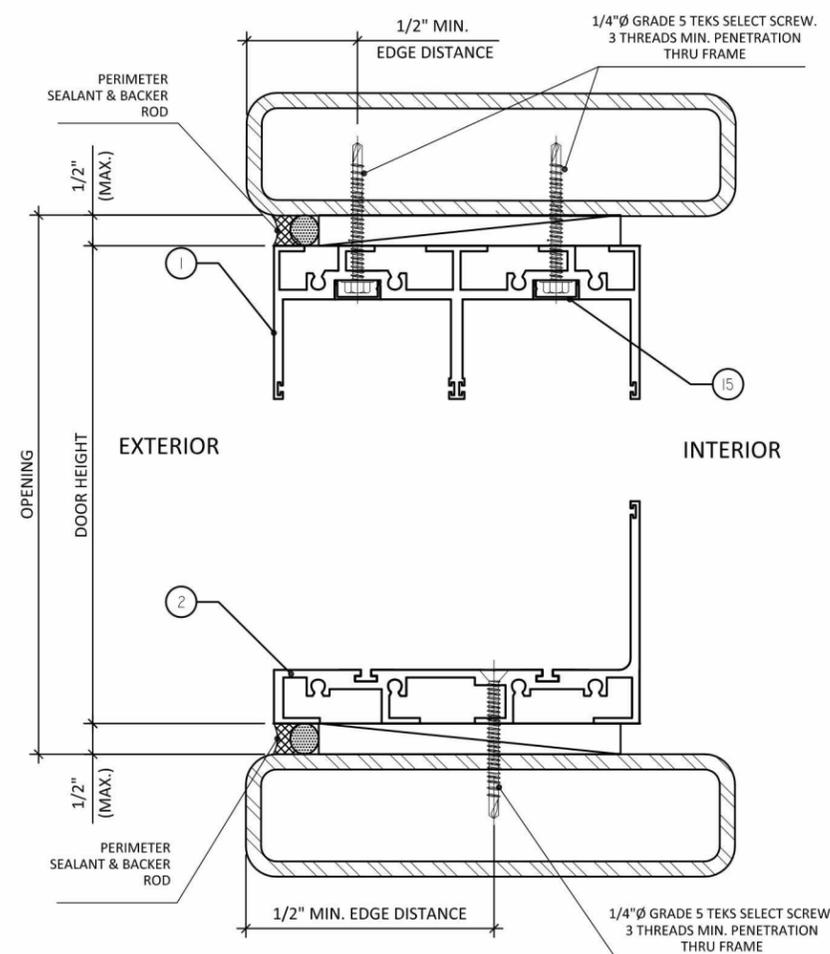
DWG #: CGS090

SHEET: 6 OF 10

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMT) SUBSTRATES  
PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: 954.399.8478 FX: 954.744.4738



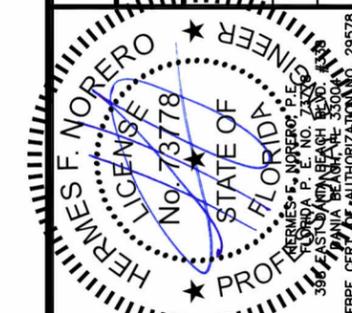
**ALUMINUM TUBE**  
HEAD & SILL



**STEEL TUBE**  
HEAD & SILL

**REVISIONS**

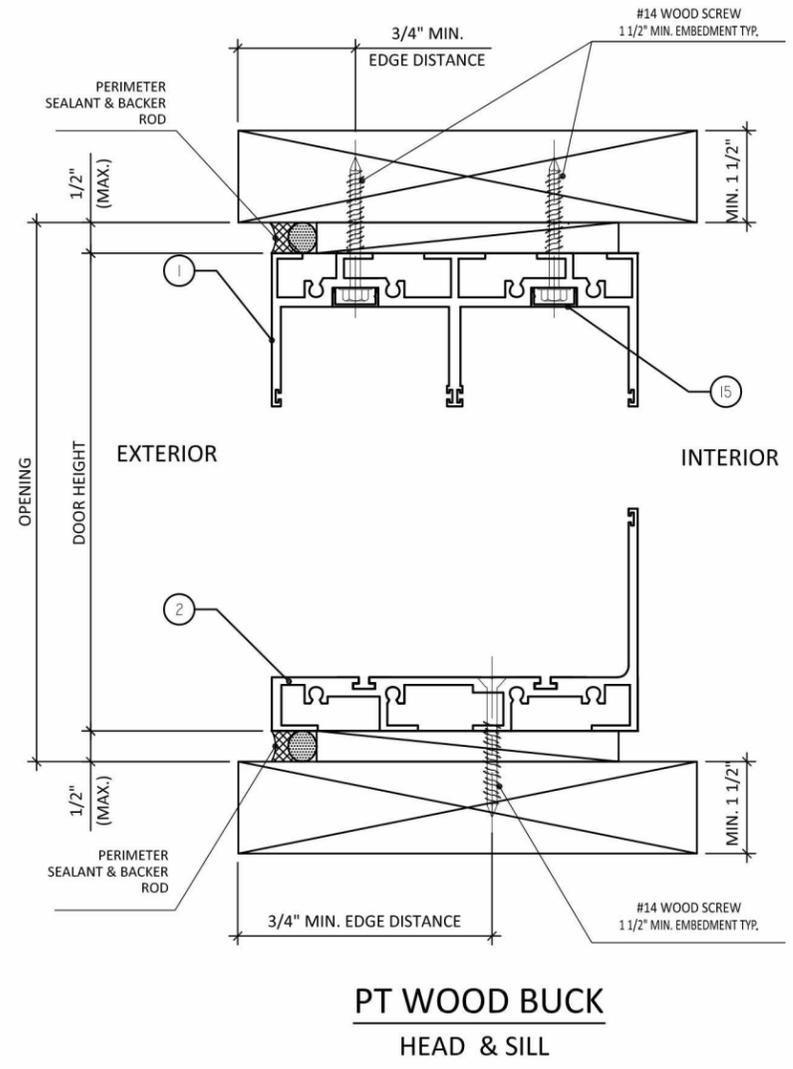
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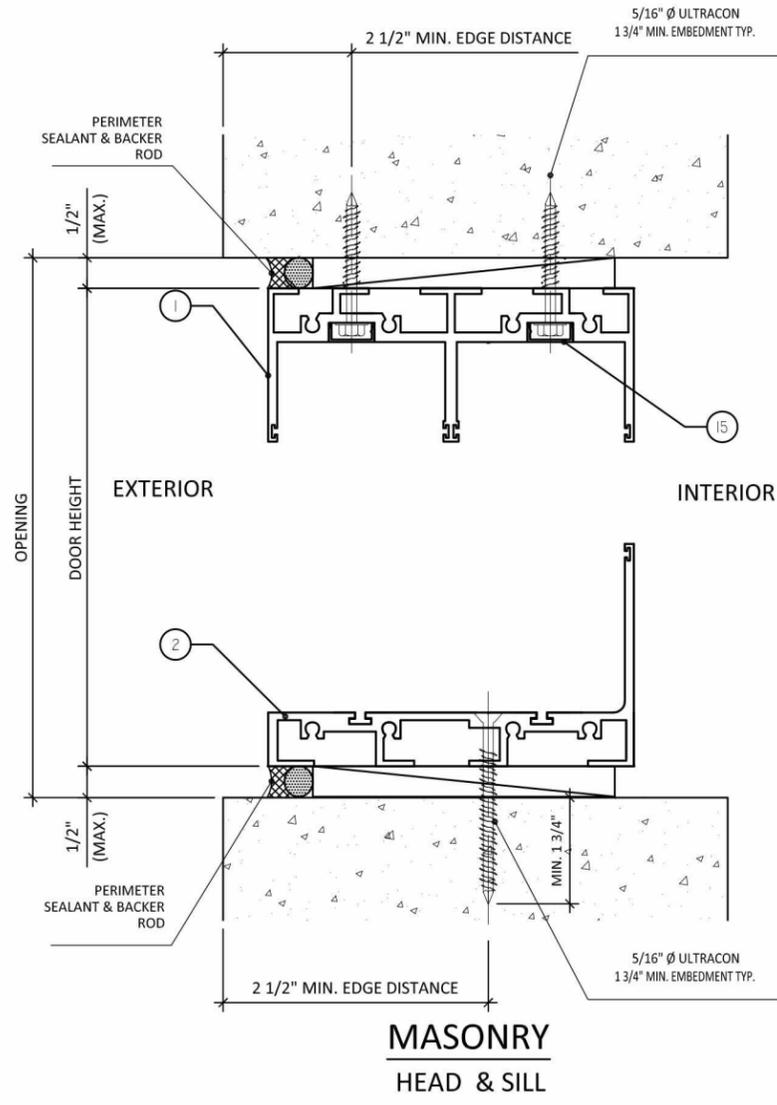
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DWG #: CGS090

SHEET: 7 OF 10



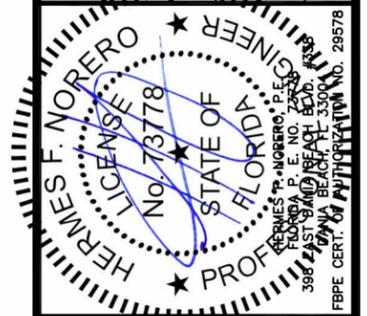
**PT WOOD BUCK**  
HEAD & SILL



**MASONRY**  
HEAD & SILL

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI) SUBSTRATES  
 PREPARED BY: BUILDING DROPS, INC.  
 398 E. DANIA BEACH BLVD. #338  
 DANIA BEACH, FL 33004  
 PH: 954.399.8478 FX: 954.744.4738

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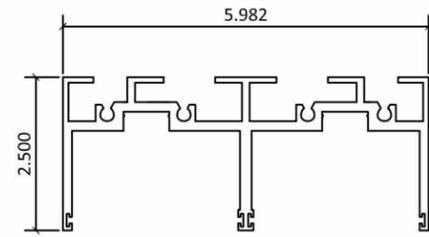
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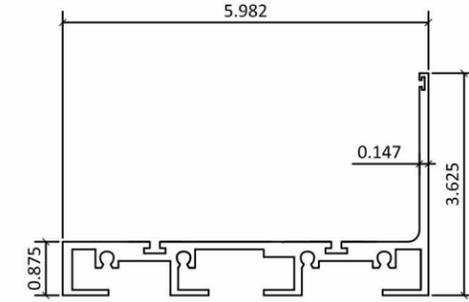
TITLE: SERIES 2800 LIFT AND  
SLIDE GLASS DOOR (LMI)  
COMPONENTS AND  
BILL OF MATERIALS

PREPARED BY:  
**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
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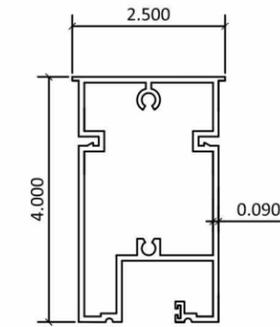
1 2800-02 - HEAD



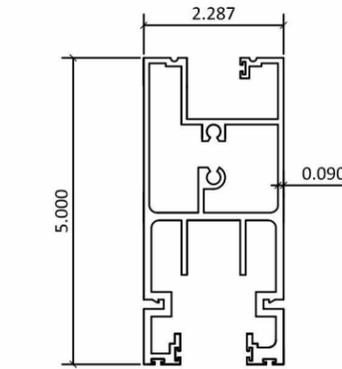
2 2800-03 - SILL



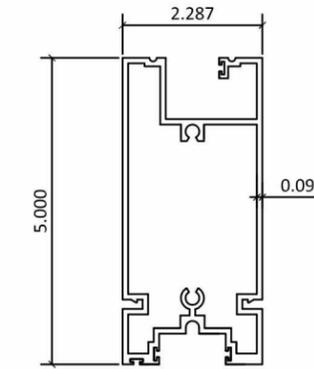
3 2800-08 - TOP PANEL



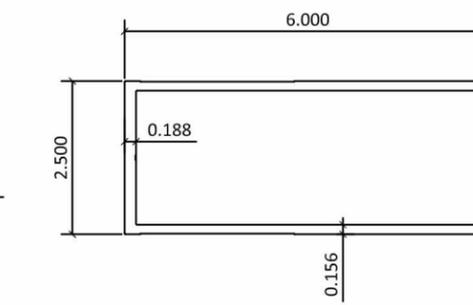
4 2800-09 - MOVING PANEL



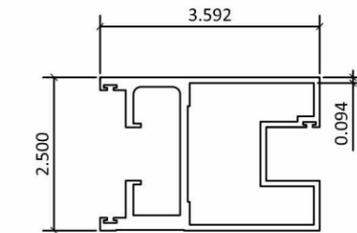
5 2800-19 - BOTTOM FIXED PANEL



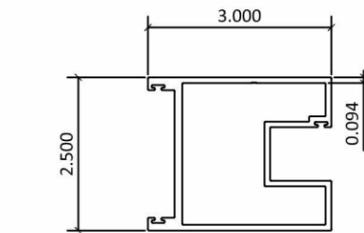
6 2800-04 - JAMB



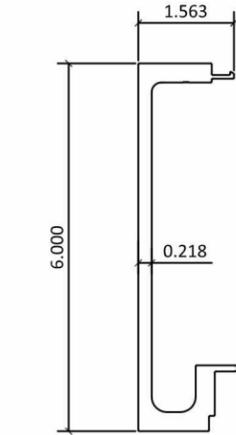
7 2800-10 - MOVING PANEL



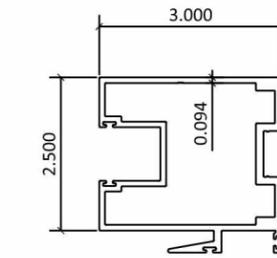
8 2800-13 - FIXED STYLE



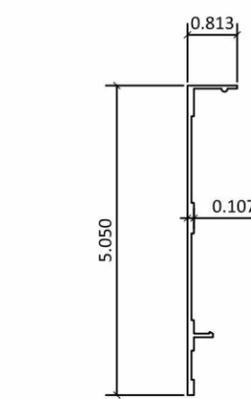
9 2800-22 - JAMB FIXED



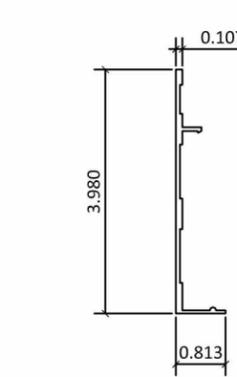
10 2800-11 - INTERLOCK



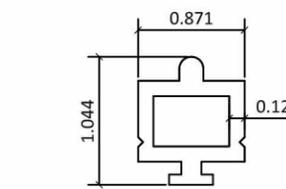
11 2800-25 - BOTTOM COVER



12 2800-26 - TOP COVER



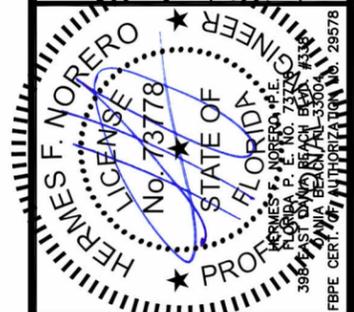
13 2800-05 - SILL TRACK



BILL OF MATERIALS				
ITEM #	PART NUMBER	PART NAME	ALLOY & TEMPERED	REMARKS
1	2800-02	HEAD	6063-T6	
2	2800-03	SILL	6063-T6	
3	2800-08	TOP PANEL	6063-T6	
4	2800-09	MOVING PANEL	6063-T6	
5	2800-19	BOTTOM FIXED PANEL	6063-T6	
6	2800-04	JAMB	6063-T6	
7	2800-10	MOVING PANEL	6063-T6	
8	2800-13	FIXED STILE	6063-T6	
9	2800-22	JAMB FIXED	6063-T6	
10	2800-11	INTERLOCK	6063-T6	
11	2800-25	BOTTOM COVER	6063-T6	
12	2800-26	TOP COVER	6063-T6	
13	2800-05	SILL TRACK	6063-T6	

**REVISIONS**

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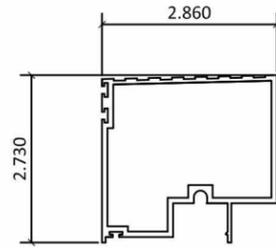


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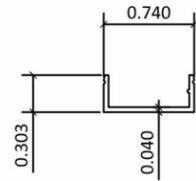
DWG #: CGS090

SHEET: 9 OF 10

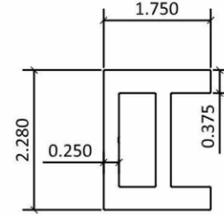
14 2800-24 - THRESHOLD



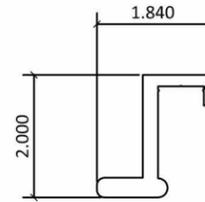
15 5500-09 - HEAD SCREW COVER



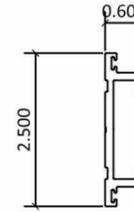
16 2800-23 - REINFORCING



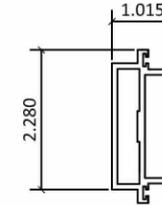
17 2800-20 - HANDLE



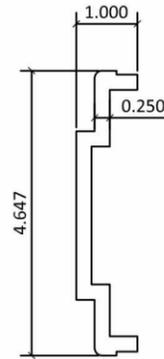
18 2800-21 - JAMB ADAPTOR



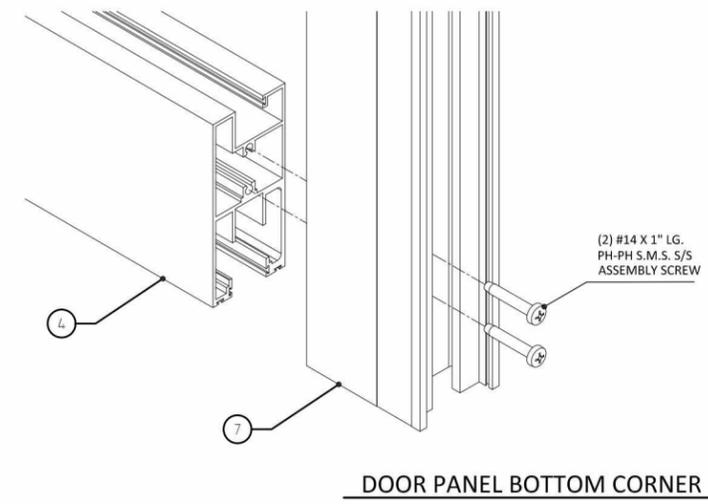
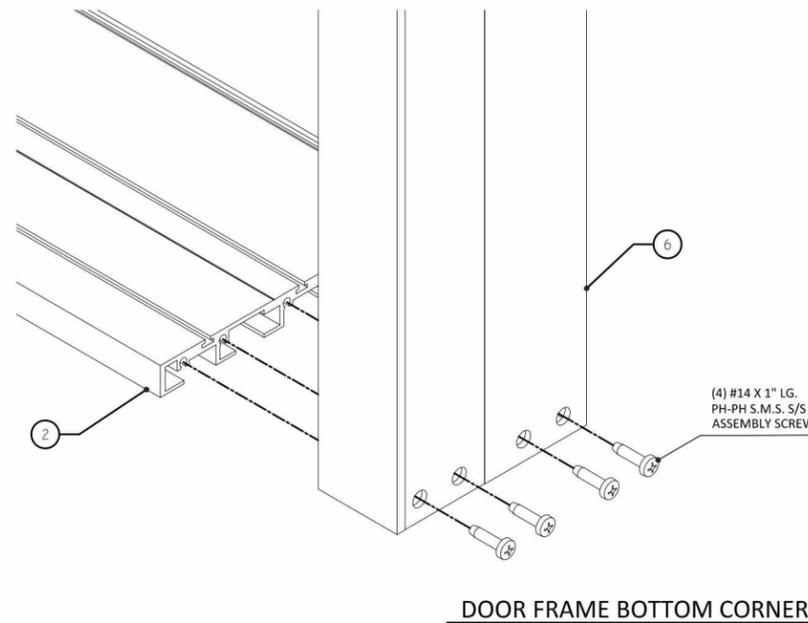
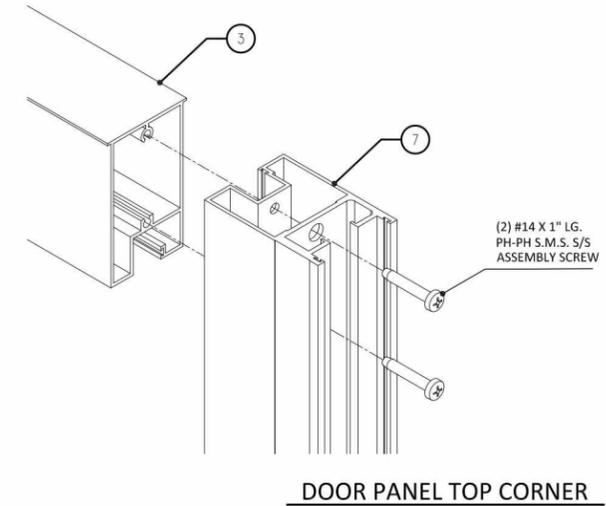
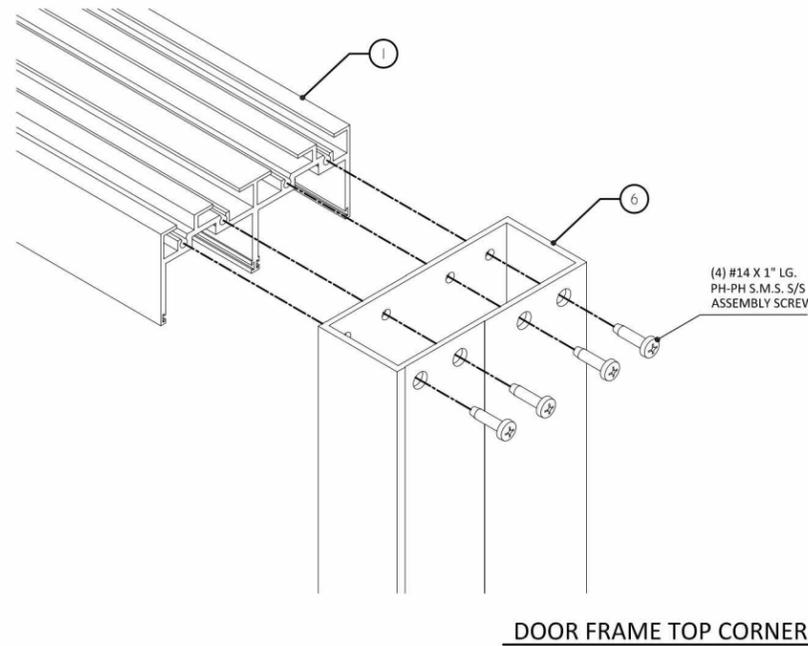
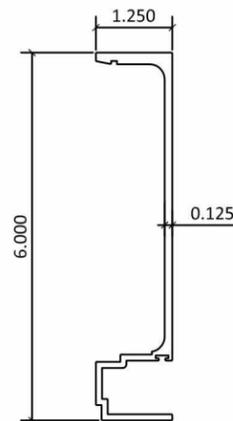
19 2800-06 - ASTRAGAL



21 3000-14 - MALE & FEMALE REINFORCEMENT



23 3000-06 - FEMALE



**BILL OF MATERIALS**

ITEM #	PART NUMBER	PART NAME	ALLOY & TEMPERED	REMARKS
14	2800-24	THRESHOLD	6063-T6	
15	5500-09	HEAD SCREW COVER	6063-T6	
16	2800-23	REINFORCING L=60"	6063-T6	
17	2800-20	HANDLE	6063-T6	
18	2800-21	JAMB ADAPTOR	6063-T6	
19	2800-06	ASTRAGAL	6063-T6	
21	3000-14	MALE AND FEMALE REINFORCEMENT	6063-T6	
23	3000-06	FEMALE	6063-T6	
30		FIN. SEAL .187 x .250	ULTRAFAB	
31		FIN. SEAL .187 x .370	ULTRAFAB	
32		WHEEL		
33	CGS-02	GLASS SPACER	CENTRAL PLASTIC	

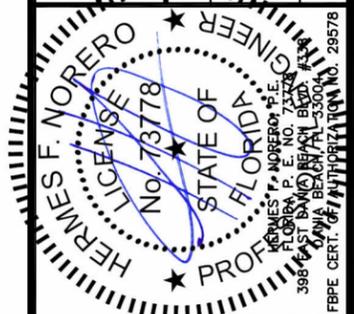


325 W. 74TH PLACE  
HIALEAH, FL 33014  
PH: (305) 231-1101 FX: (305) 231-1103

TITLE: SERIES 2800 LIFT AND SLIDE GLASS DOOR (LMI) COMPONENTS AND 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
1	FBC 5TH EDITION REVISIONS	LS	09.03.15



DATE: 08.15.14  
DWN BY: RV  
CHK BY: HFN  
SCALE: NTS

DWG #: CGS090

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