

CONTINENTAL GLASS SYSTEMS

SERIES 200 CURTAIN WALL (SMI)

DESIGN PRESSURE RATINGS			
NOMINAL BAY WIDTH	MAX. VERTICAL MULL SPAN	REINFORCING REQUIREMENTS	MAX. DESIGN PRESSURE
36"	177.75"	NO REINFORCING REQUIRED	+/- 100 PSF
48"	219.75"	STEEL REINFORCING REQUIRED IN VERTICAL MULLIONS	+/- 95 PSF
60"	165.75"	NO REINFORCING REQUIRED	+/- 95 PSF

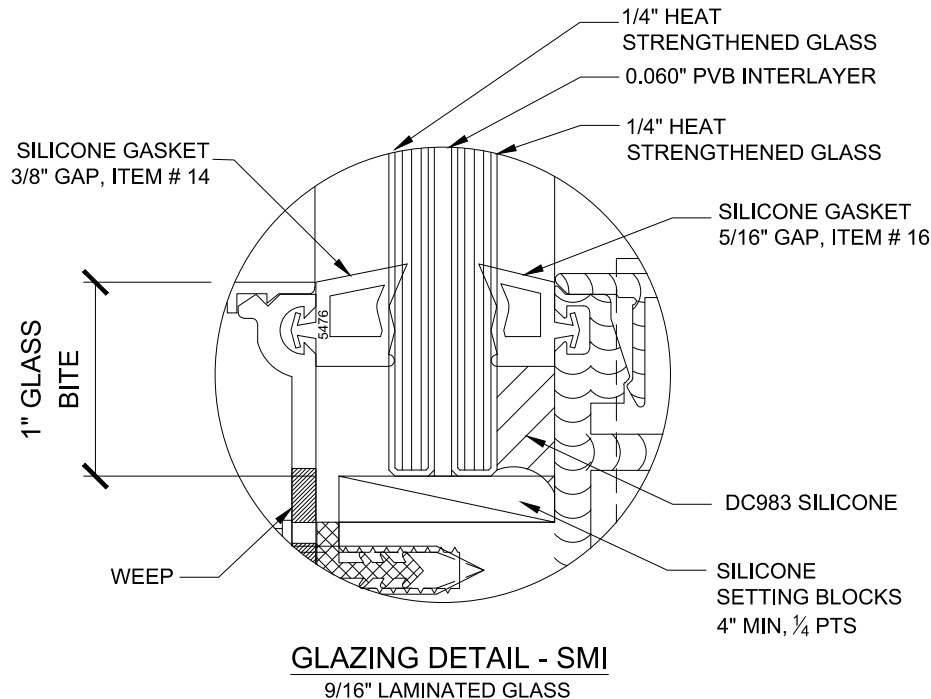
NOTES:
1-NOMINAL BAY WIDTH = DLO + 3"
2-SEE DETAILS FOR REQUIRED STEEL REINFORCING AT JAMBS, INTERMEDIATE MULLS, AND DOOR JAMB MULLS
3-STEEL REINFORCING NOT REQUIRED IN MULLIONS ABOVE DOORS

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
 - AAMA 501-15
- CURTAIN WALL IS RATED FOR SMALL MISSILE IMPACT.
IMPACT SHUTTERS ARE NOT REQUIRED AT ELEVATIONS GREATER THAN 30' ABOVE GRADE.
SEE LARGE MISSILE IMPACT APPROVAL FOR ELEVATIONS UNDER 30' ABOVE GRADE.
- PRODUCT IS APPROVED FOR AIR AND WATER INFILTRATION RESISTANCE.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC., SHALL BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE MAIN BUILDING STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-10, MULTIPLIED BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

-SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND INSTALLATION FASTENERS
SEALED WITH SILICONE SEALANT.



TYPICAL ANCHORS: (SEE ELEVATIONS AND DETAILS FOR INSTALLATION REQUIREMENTS)

TYPE 'A' -- CONCRETE ANCHORS AT JAMBS
5/8" DIA. KWIK BOLT III BY 'HILTI' (Fu=88 KSI, Fy=75 KSI)
DIRECTLY INTO CONCRETE (MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI),
3-1/2" MIN. EMBED IN CONCRETE
4" MIN. CENTER TO CENTER SPACING
5-1/2" MIN. EDGE DISTANCE IN CONCRETE
CONCRETE ANCHORS AT INTERMEDIATE VERTICALS
1/2" DIA. KWIK BOLT III BY 'HILTI' (Fu=88 KSI, Fy=75 KSI)
DIRECTLY INTO CONCRETE (MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI),
3-1/2" MIN. EMBED IN CONCRETE
4" MIN. CENTER TO CENTER SPACING
5-1/2" MIN. EDGE DISTANCE IN CONCRETE

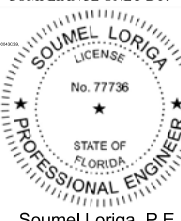
TYPE 'B' -- 3/8" DIA. GRADE 5 TAP-TITE SCREWS BY REMINC (Fu=120 KSI, Fy=92 KSI)
 INTO MIN. ASTM A36 STEEL (1/4" THK. MIN.)
 MIN. ENGAGEMENT LENGTH (Le) = 1/4" IN STEEL
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
 1" MIN. EDGE DISTANCE IN STEEL

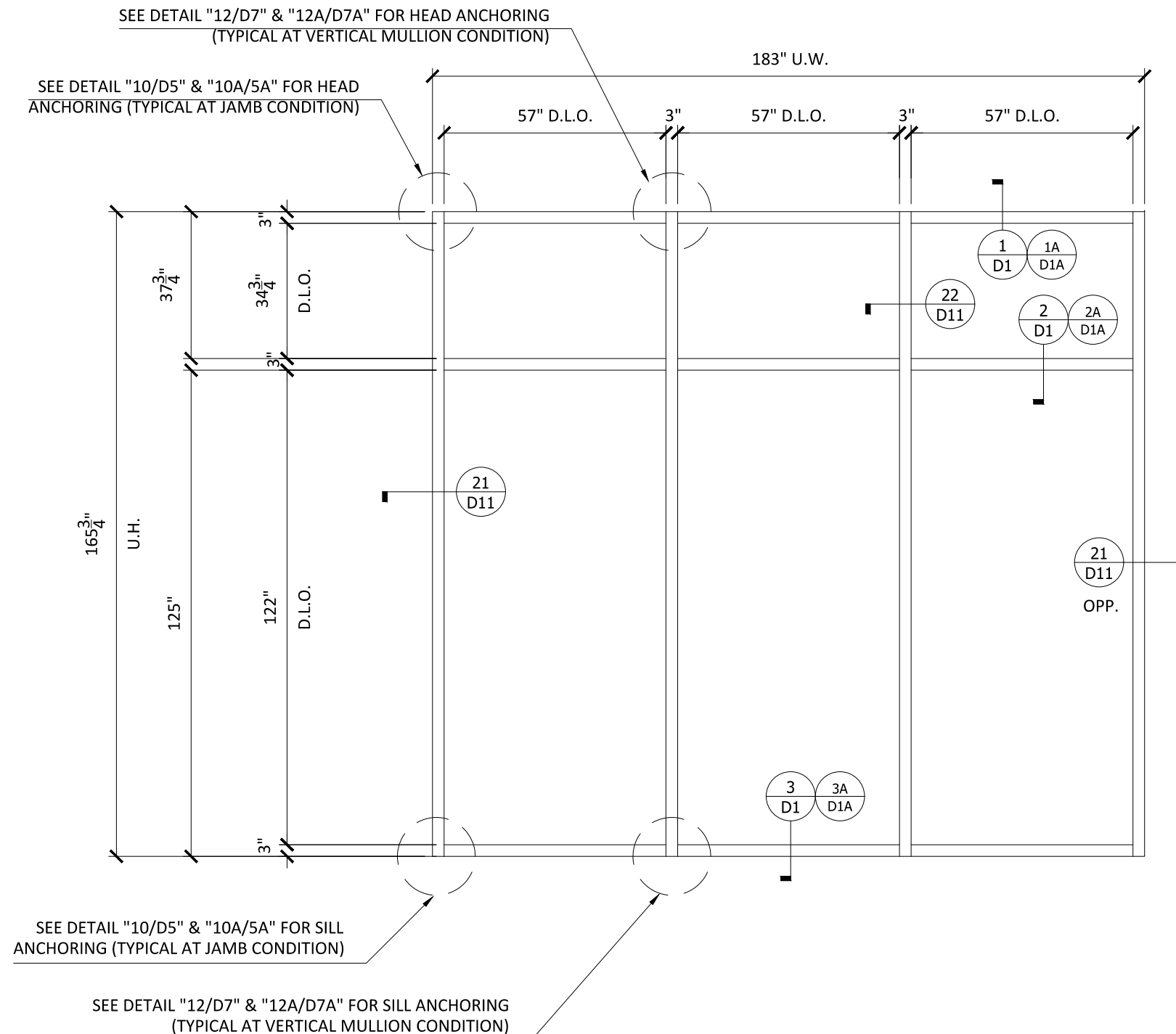
ANCHOR REQUIREMENTS

1. THE NUMBER OF INSTALLATION ANCHORS DEPICTED HEREIN IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL. TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR/ANCHR PLATE WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. DEADLOAD SHIMS MAY BE USED BETWEEN ANCHOR PLATE AND FRAME. MAXIMUM ALLOWABLE DEADLOAD SHIM STACK TO BE 5/8" INCH.
5. ANCHORS SHALL BE AS LISTED, AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS

NOTE:
GLASS COMPLIES WITH ASTM E1300-16(3 SEC. GUSTS).

- LIMITATIONS OF USE**
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
 - B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
 - C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
 - D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
 - E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Manufacturer:							
CGS CONTINENTAL GLASS SYSTEMS LLC. 325 West 74 Place Hialeah, FL 33014 Phone 305.231.1101 Toll Free 1.877.221.1101							
							Submittal/Revision Description
							Drawn By
							Date
							Rev. No.
							Sub. No.
 REVIEWED FOR STRUCTURAL COMPLIANCE ONLY BY:  Soumel Loriga, P.E. PE Lic No.: 77736 Cert. of Authorization: 30891 FLORIDA NUMBER: <i>FL 19734.2</i>							
SERIES: <i>SERIES CW 200 SMI</i>							
Description:							
Drawn Date 02-01-2021				Scale AS NOTED			
Project No. FLORIDA APPROVAL 2020							
Drawing Title GENERAL NOTES AND GLAZING DETAIL							
Sheet No. 1							



NOTE:
1- ALL DIMENSIONS ARE IN INCHES
2- ANTIBUCKLING CLIPS 4" LONG SPACED
@ 18" O.C.

TYPICAL EXTERIOR ELEVATION
DP: +95/-95 PSF

Manufacturer:

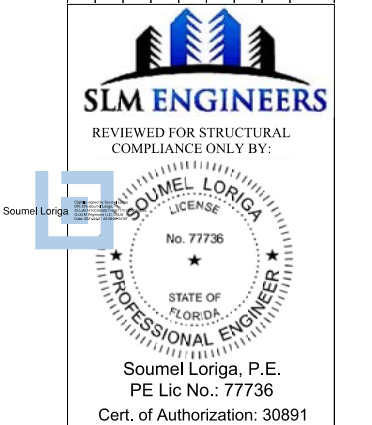
CGS

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[illegible]

FLORIDA NUMBER:
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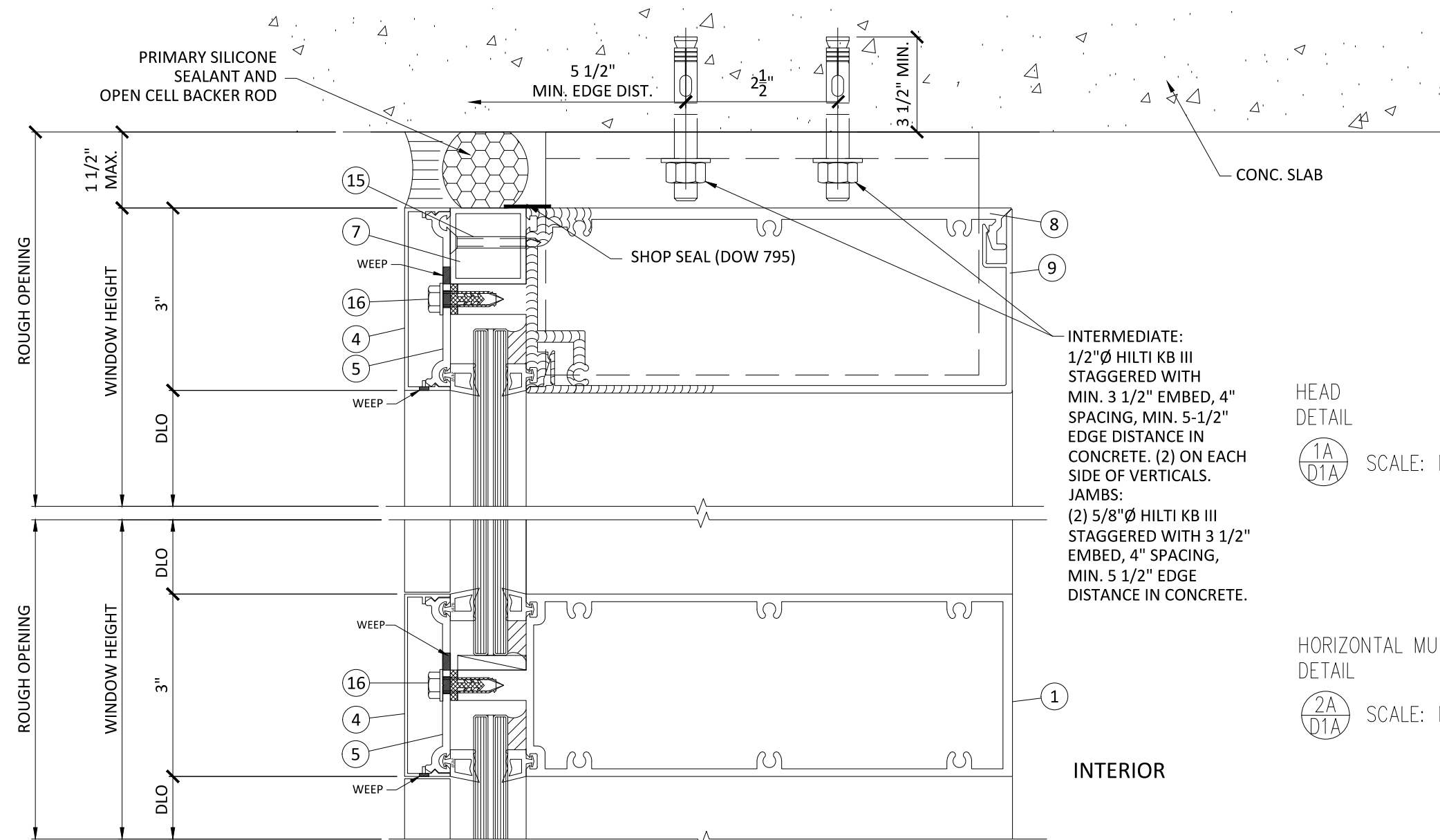
SERIES:

SERIES CW 200
SMI

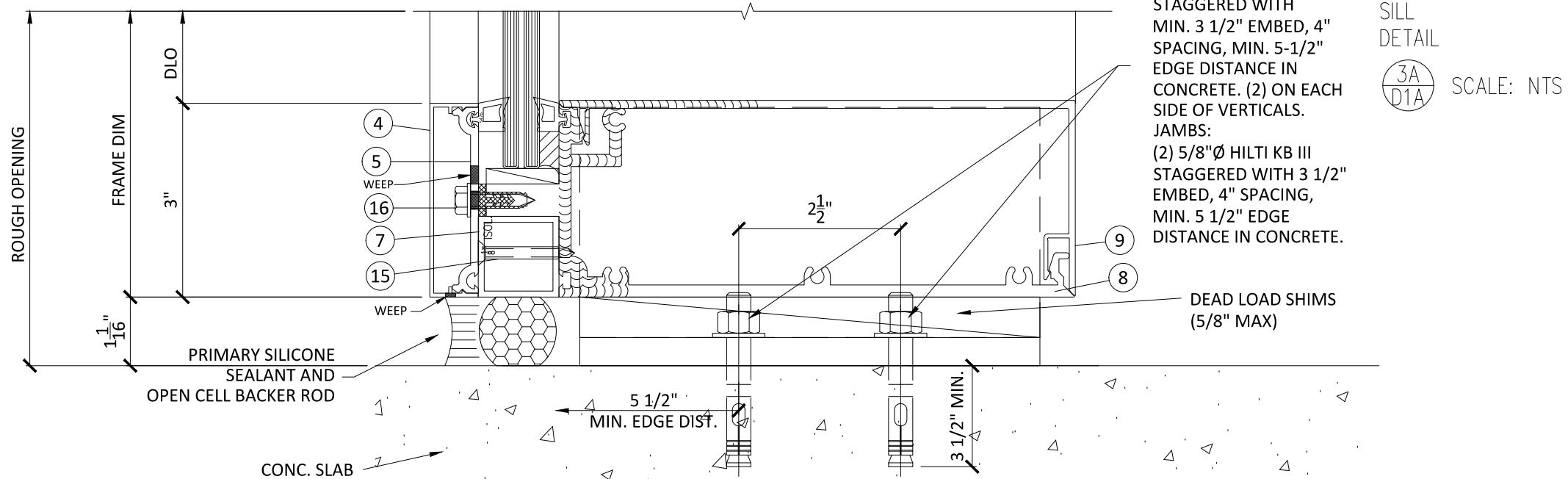
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Category 99	
Category 100	

Drawn Date 02-01-2021	Scale AS NOTED
Project No. FLORIDA APPROVAL 2020	
Drawing Title <i>TYPICAL ELEVATION</i>	
Sheet No. <i>E2</i>	

EXTERIOR



INTERIOR



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Revision					Description
Rev.	No.	Date	By	Check	

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Cert. of Authorization: 30891

FLORIDA NUMBER:
FL 19734.2

SERIES:
SERIES CW 200 SMI

Description:

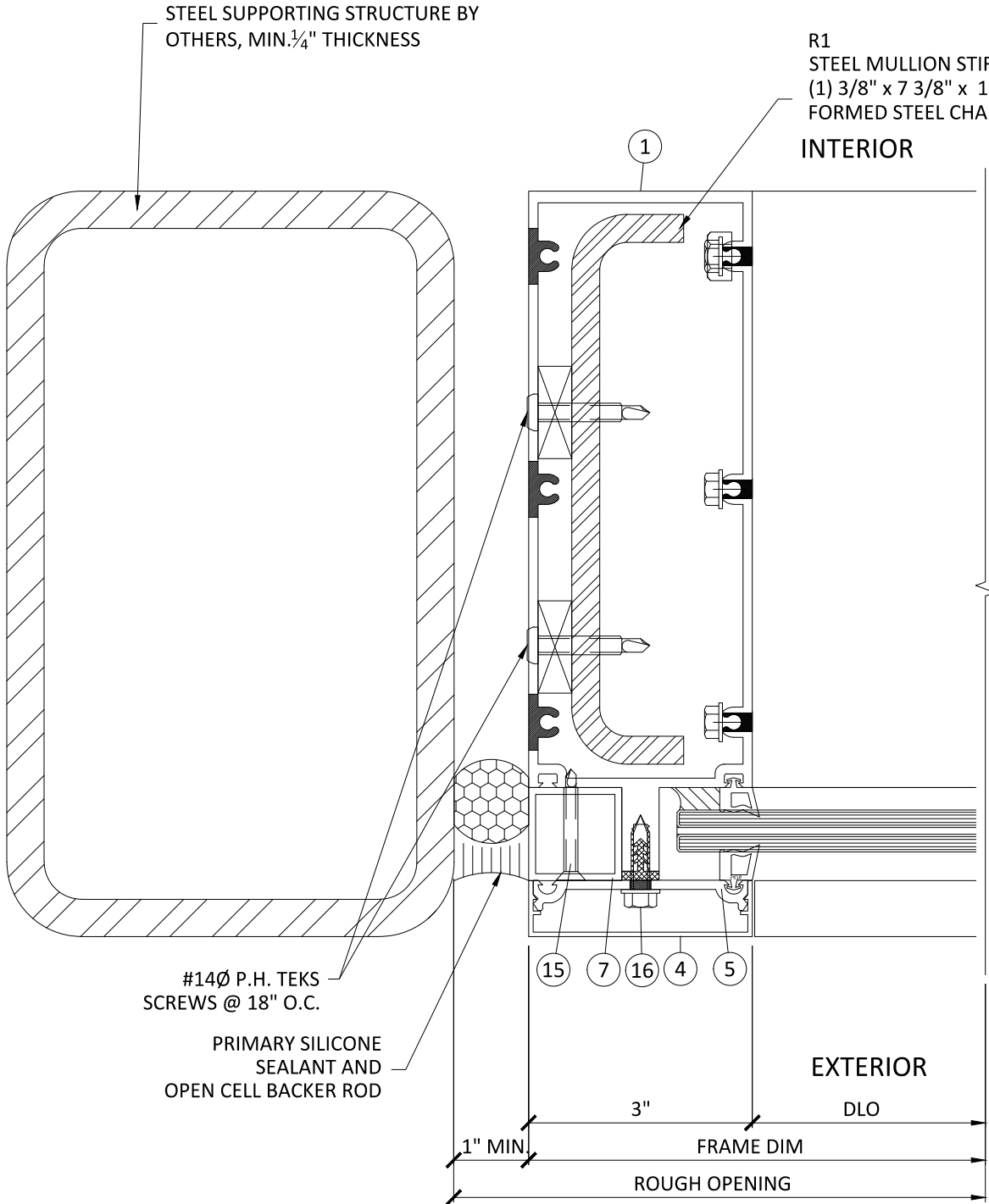
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02-01-2021

Scale
AS NOTED

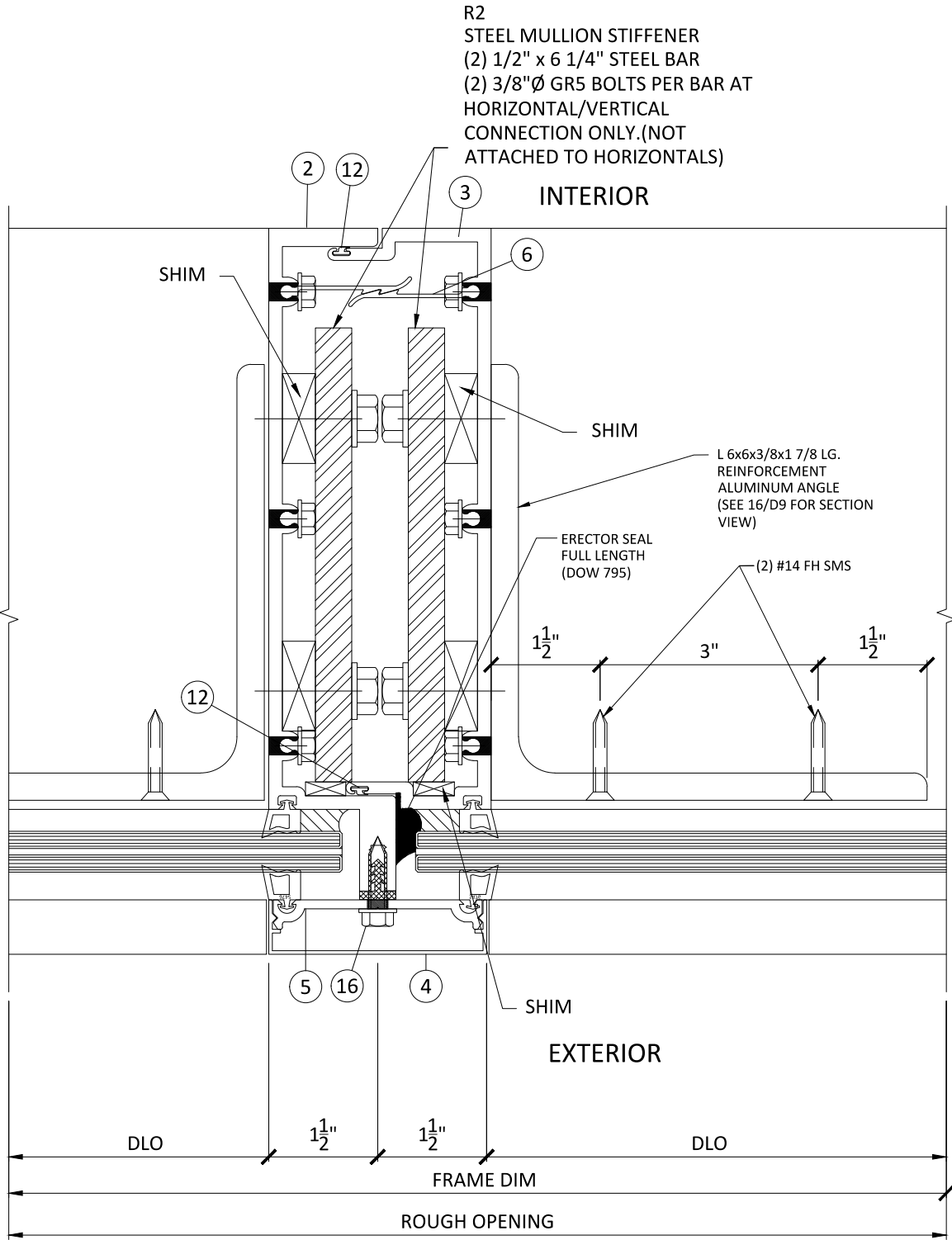
Project No.
FLORIDA APPROVAL 2020

Drawing Title
VERTICAL SECTION DETAILS

Sheet No.
D1A



JAMB
DETAIL
6
D3 SCALE: NTS



VERTICAL MULLION
DETAIL
7
D3 SCALE: NTS

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STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Soumel Loriga, P.E.
PE Lic No.: 77736
Cert. of Authorization: 30891

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SMI**

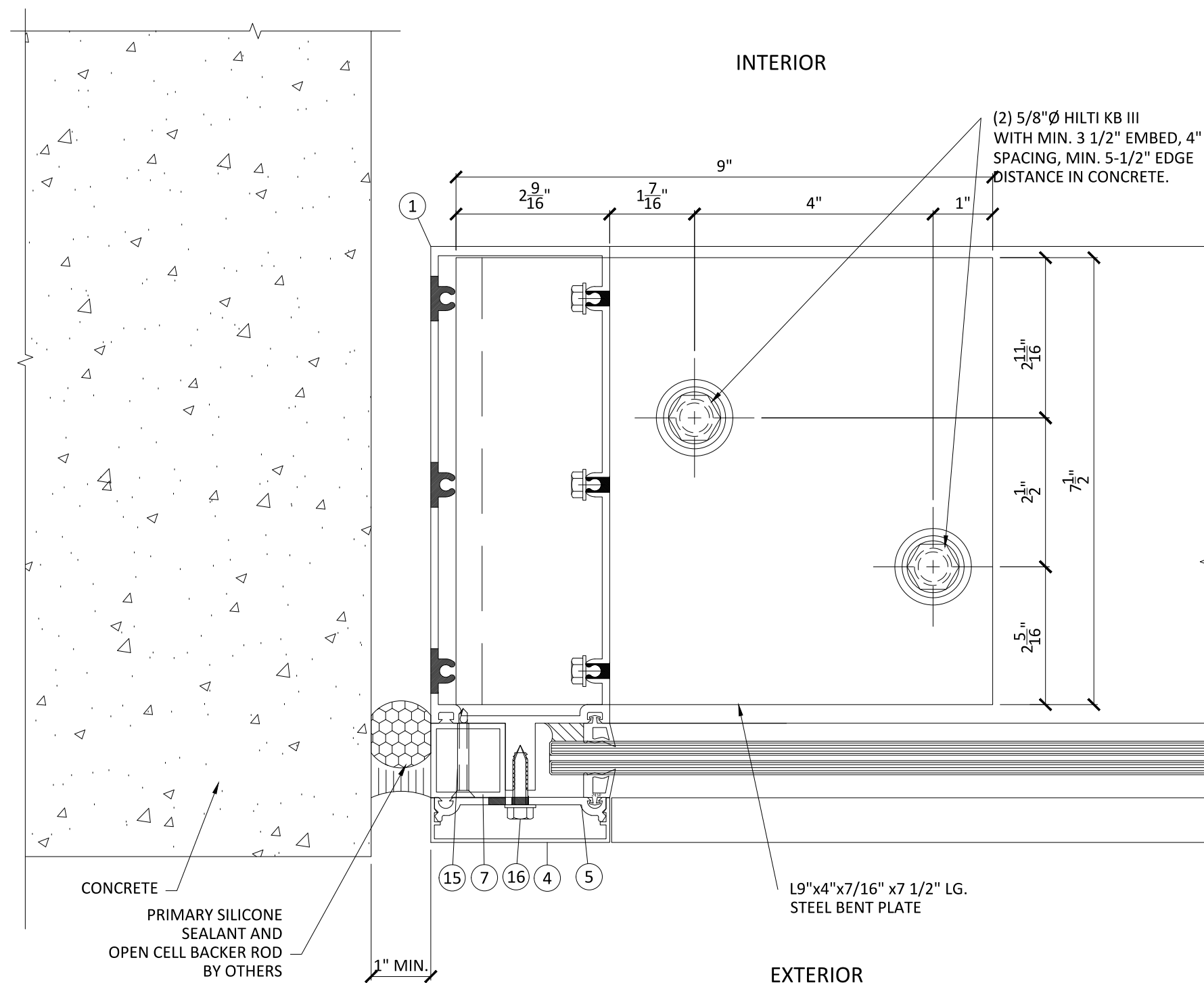
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Drawn Date
02-01-2021
Scale
AS NOTED

Project No.
FLORIDA APPROVAL 2020

Drawing Title
**HORIZONTAL SECTION
DETAILS**

Sheet No.
D3



Manufacturer:

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FLORIDA NUMBER:

FL 19734.2

SERIES:

SERIES CW 200
SMI

Description:	
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Drawn Date 02-01-2021	Scale AS NOTED
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Project No.
FLORIDA APPROVAL 2020

Drawing Title
***HORIZONTAL SECTION
DETAILS***

Sheet No.

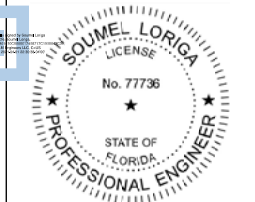
D5A

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SERIES:

SERIES CW 200
SMI

Description:

Drawn Date	02-01-2021
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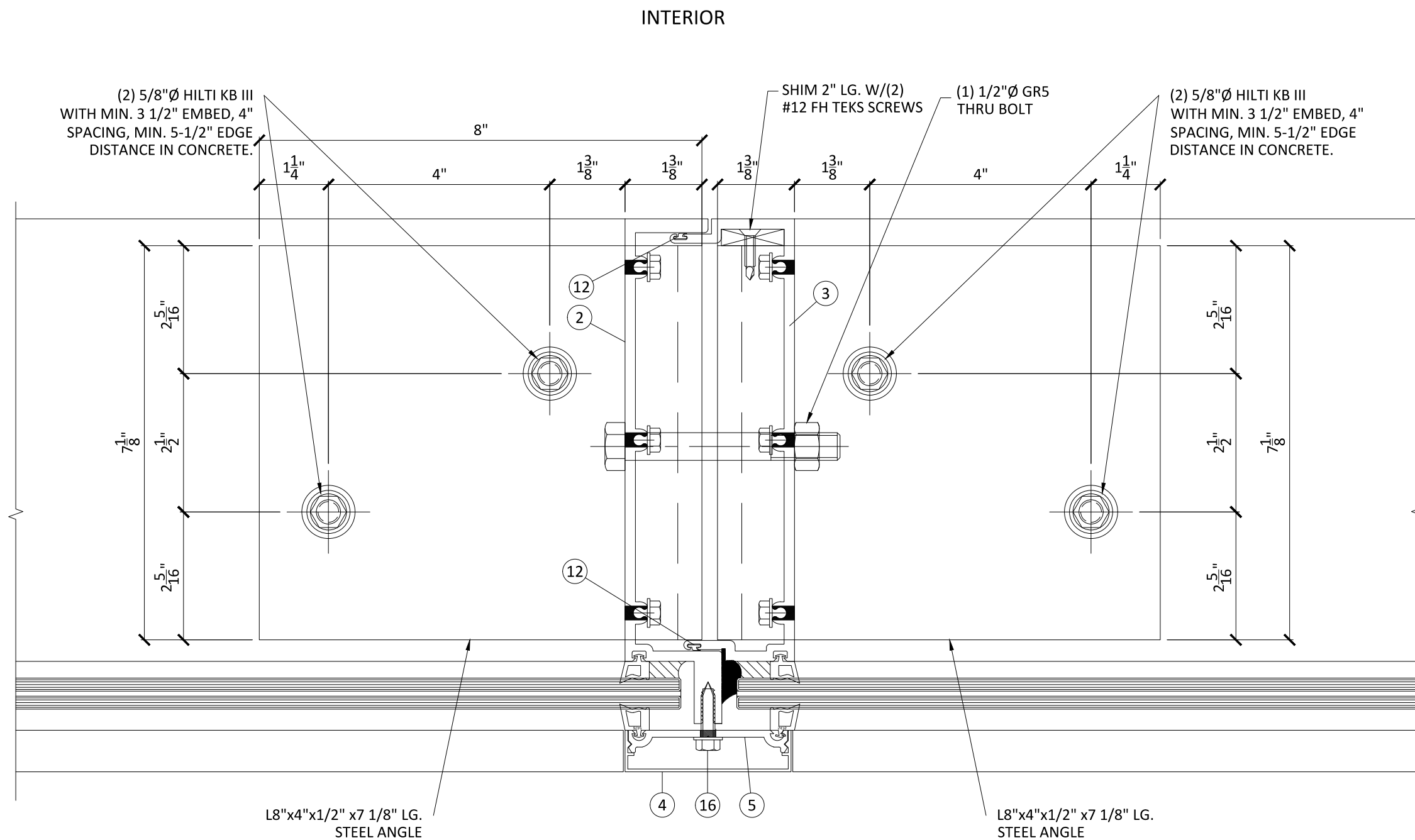
Scale
AS NOTED

Project No.	
FLORIDA APPROVAL 2020	

Drawing Title
***HORIZONTAL SECTION
DETAILS***

Sheet No.

D6A



VERTICAL MULLION
HEAD ANCHORING
DETAIL

11A
D6A

SCALE: NTS

Manufacturer:

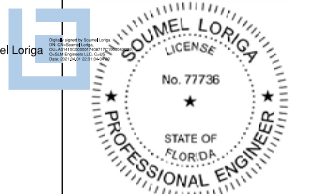
CGS

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FLORIDA NUMBER:

FL 19734.2

SERIES:

SERIES CW 200
SMI

Description:

Drawn Date	02-01-2021
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NOTED

Project No.

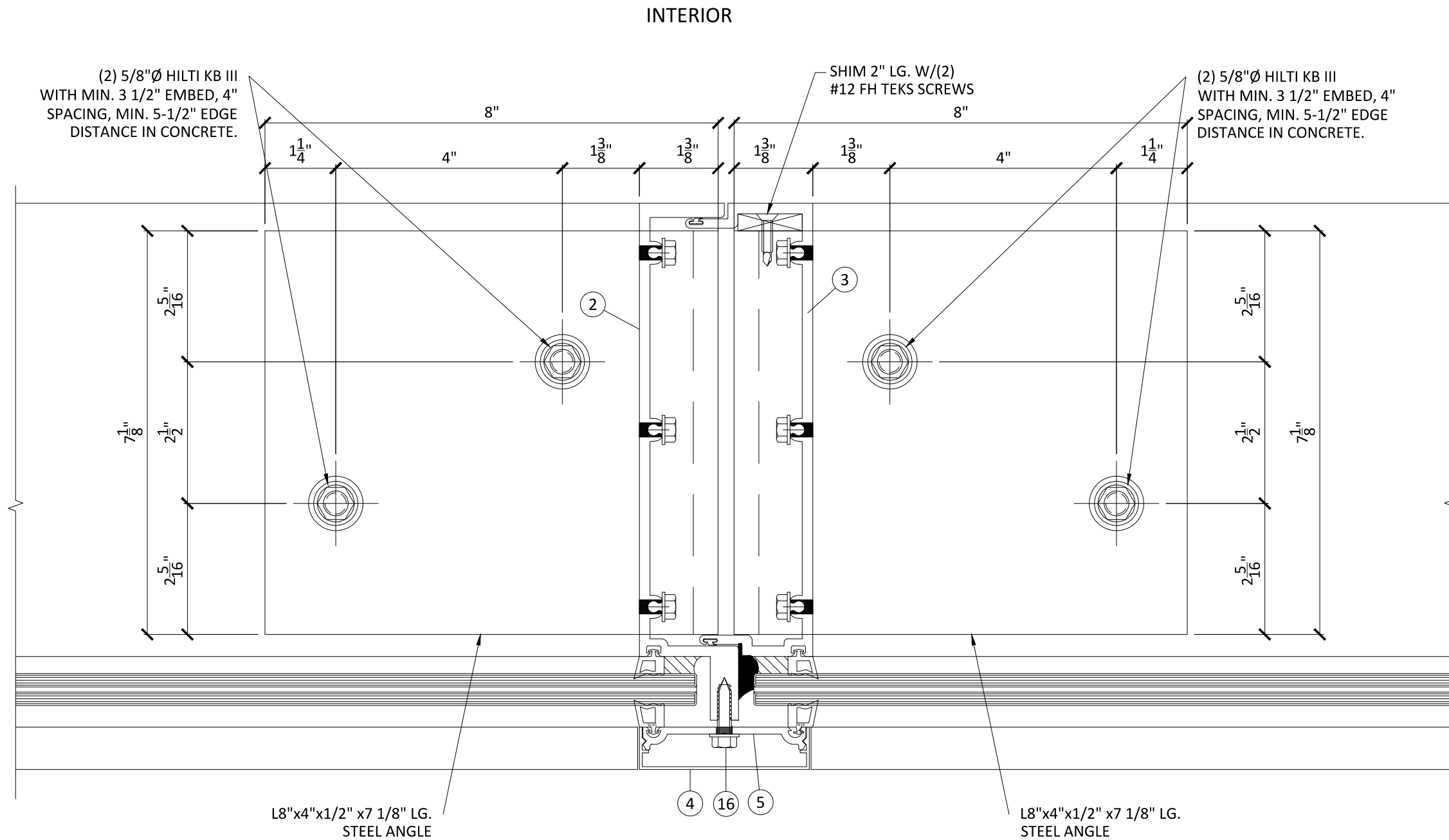
FLORIDA APPROVAL 2020

Drawing Title

**HORIZONTAL SECTION
DETAILS**

Sheet No.

D7A

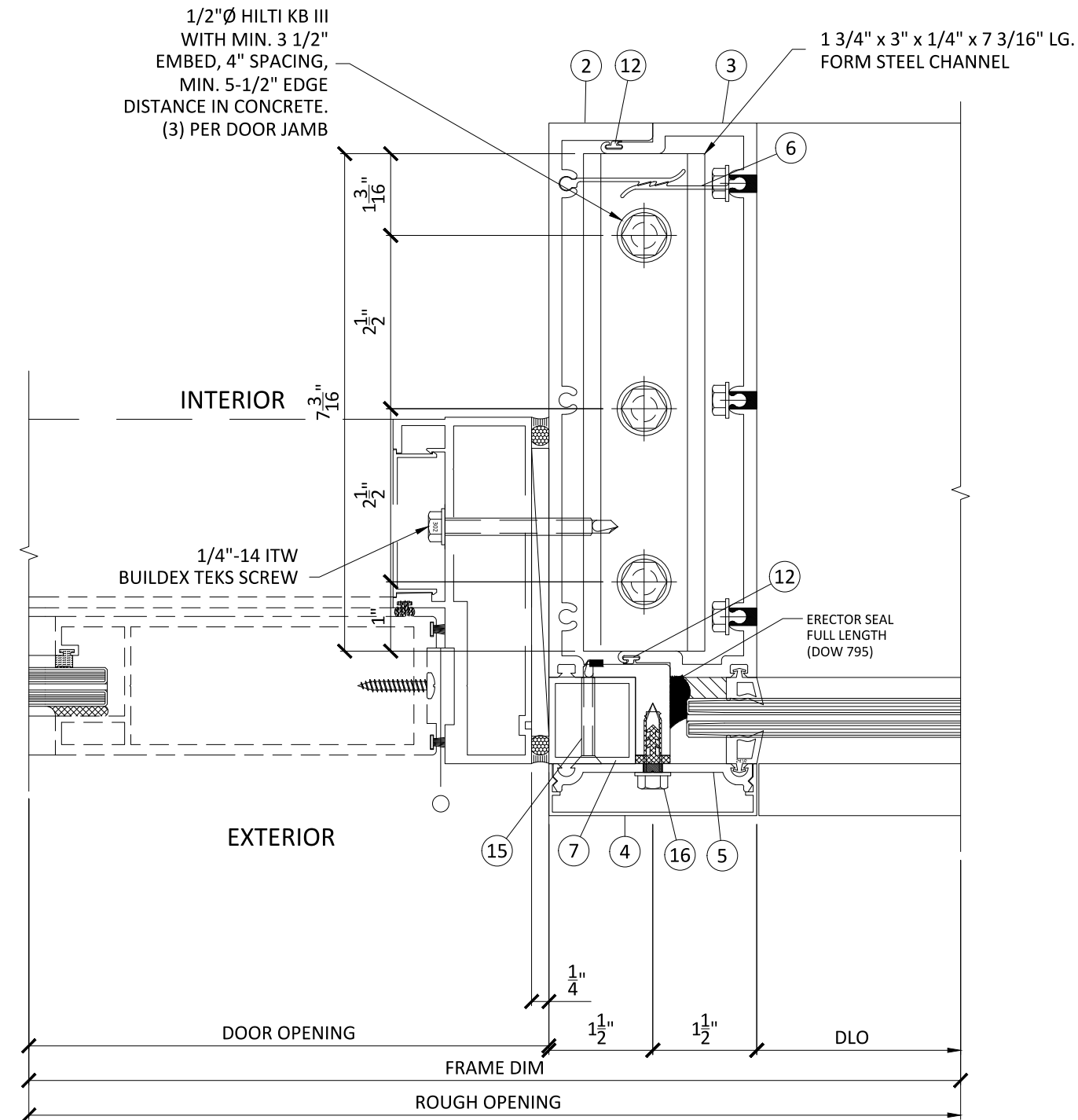


EXTERIOR

VERTICAL MULLION HEAD & SILL ANCHORING DETAIL

12A
D7A

SCALE: NTS



VERTICAL MULLION
SILL ANCHORING
DETAIL

13A
D8A SCALE: NTS

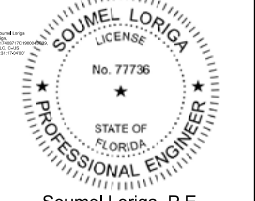
NOTE:
10000 SWING DOOR UNDER
SEPARATE APPROVAL

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SERIES:

**SERIES CW 200
SMI**

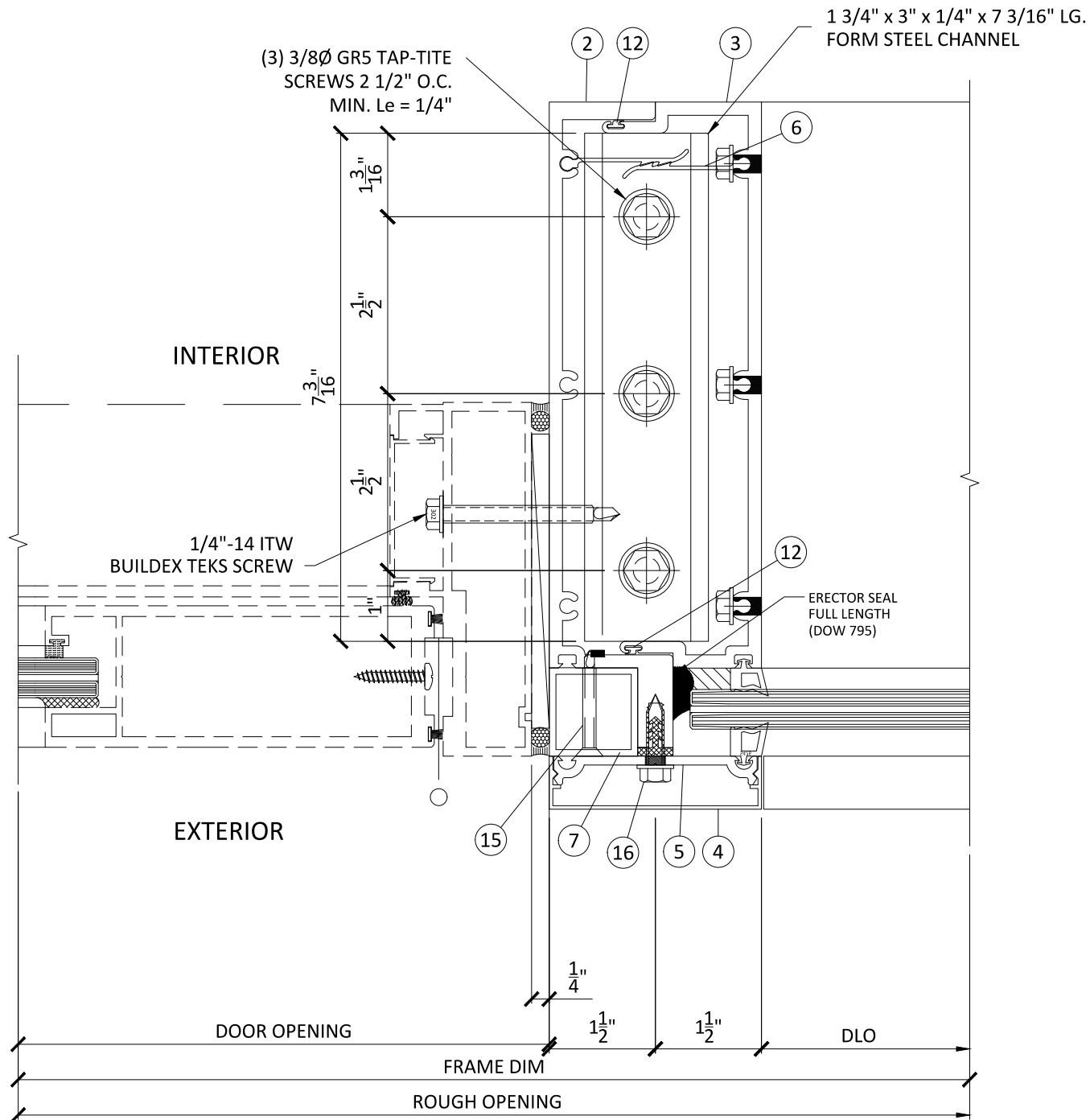
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Drawn Date 02-01-2021	Scale AS NOTED
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Project No.
FLORIDA APPROVAL 2020

Drawing Title
**HORIZONTAL SECTION
DETAILS**

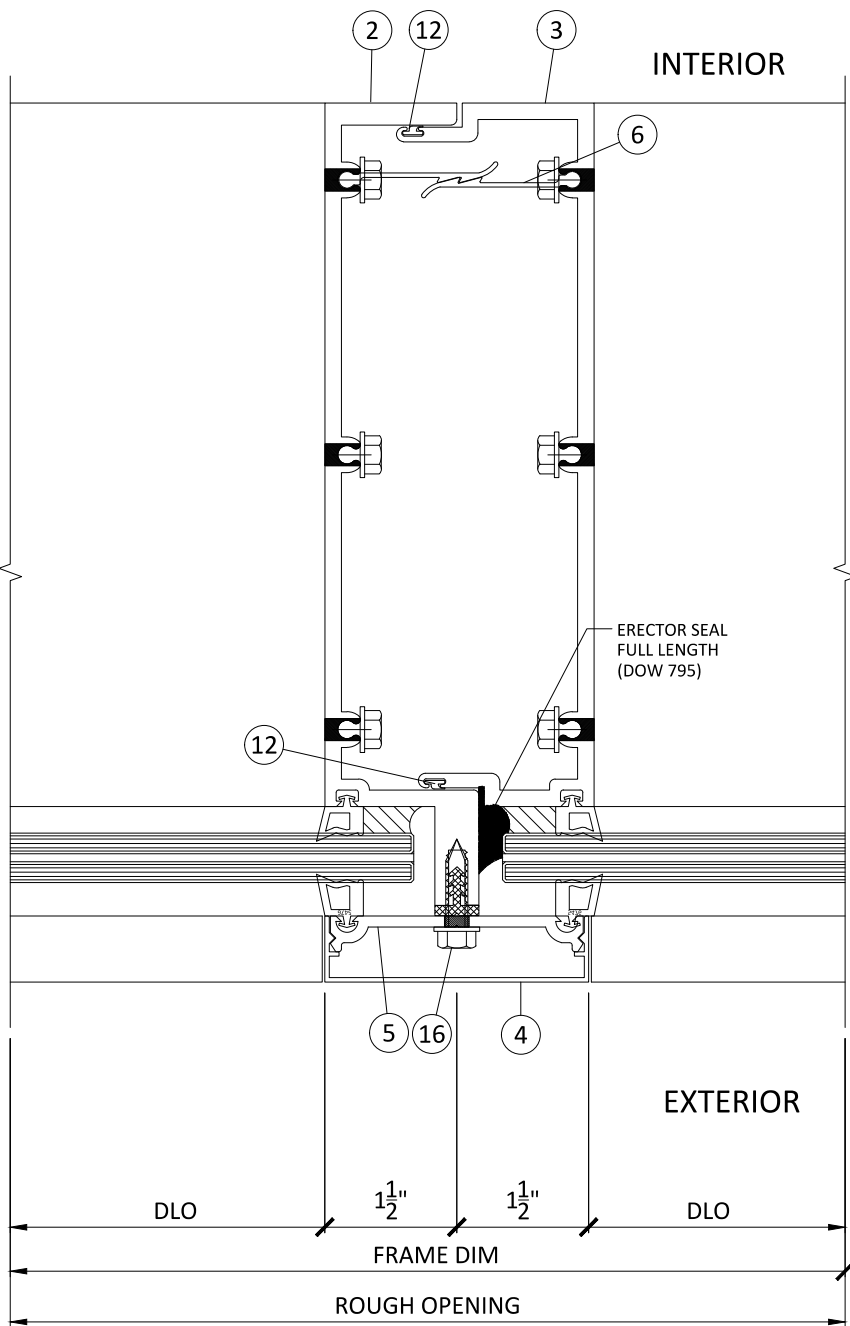
Sheet No.
D8



VERTICAL MULLION
SILL ANCHORING
DETAIL

13
D8 SCALE: NTS

NOTE:
10000 SWING DOOR UNDER
SEPARATE APPROVAL



VERTICAL MULLION
DETAIL

14
D8 SCALE: NTS

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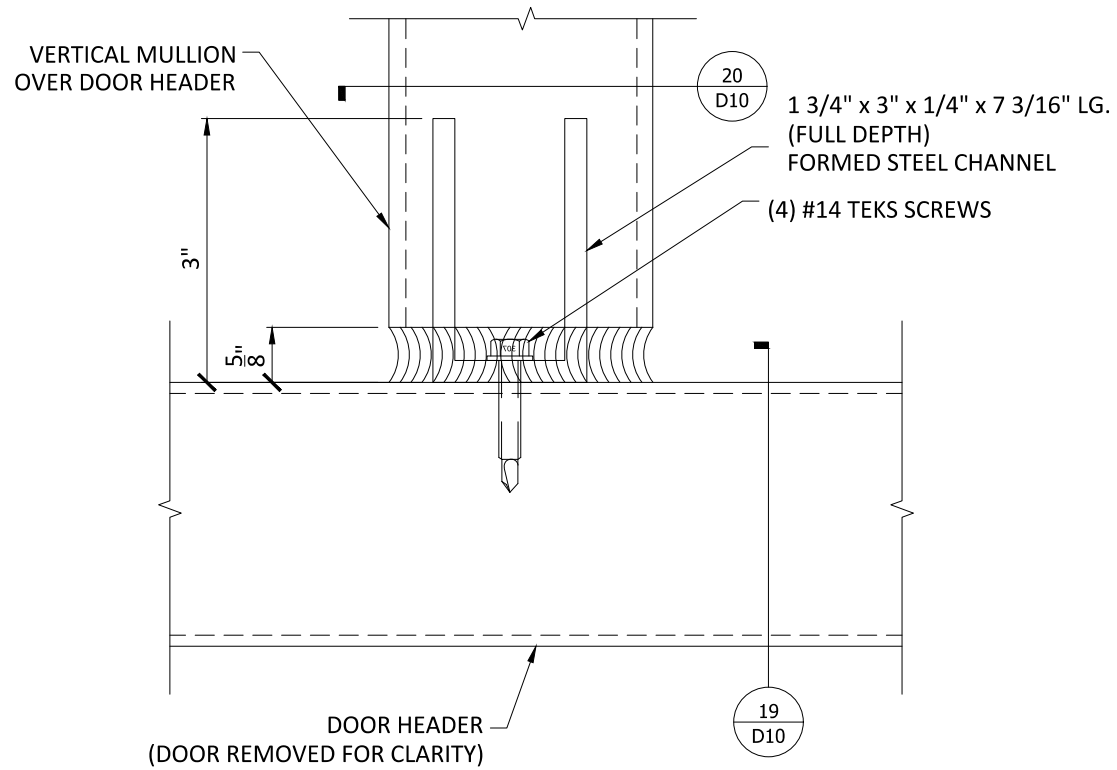
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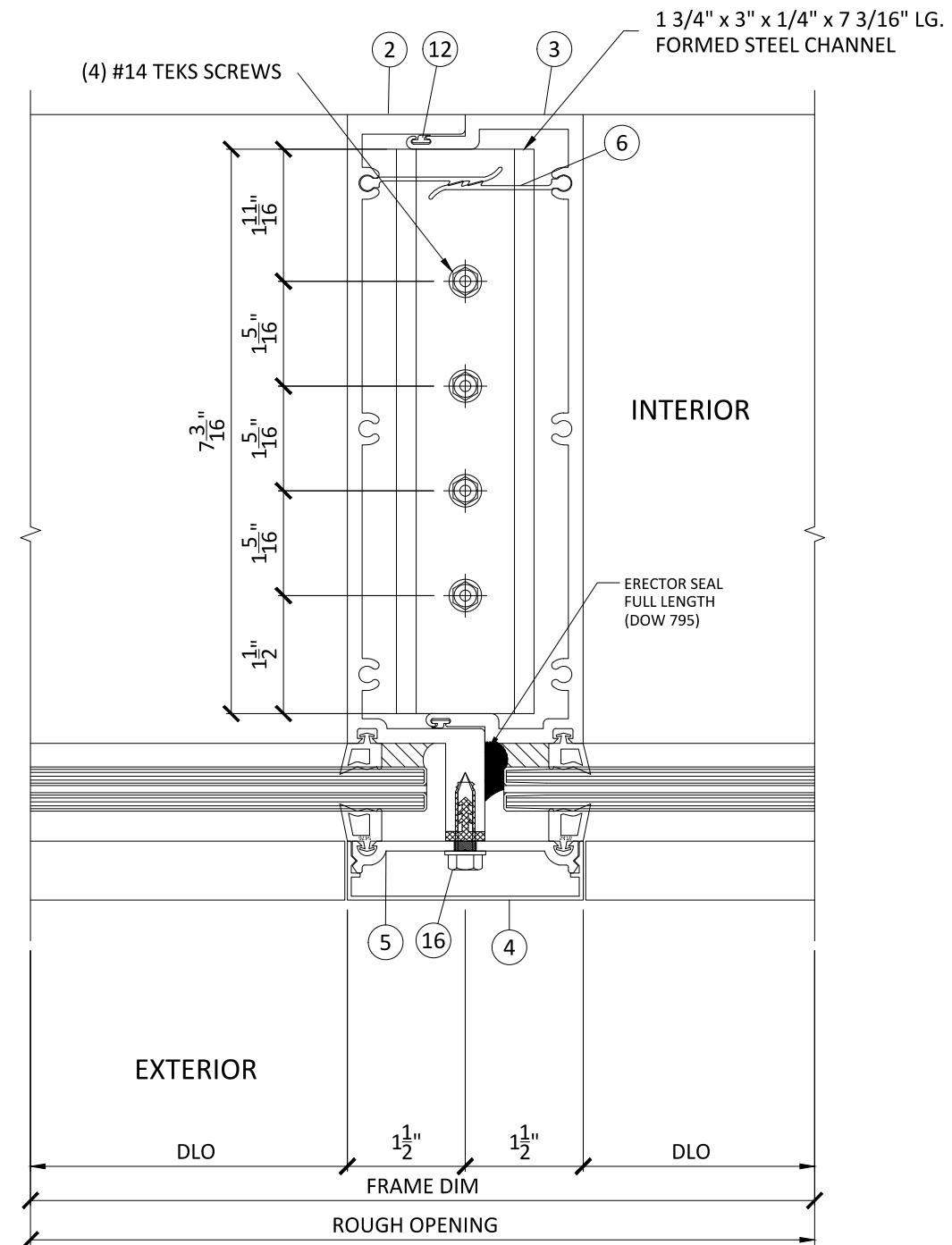
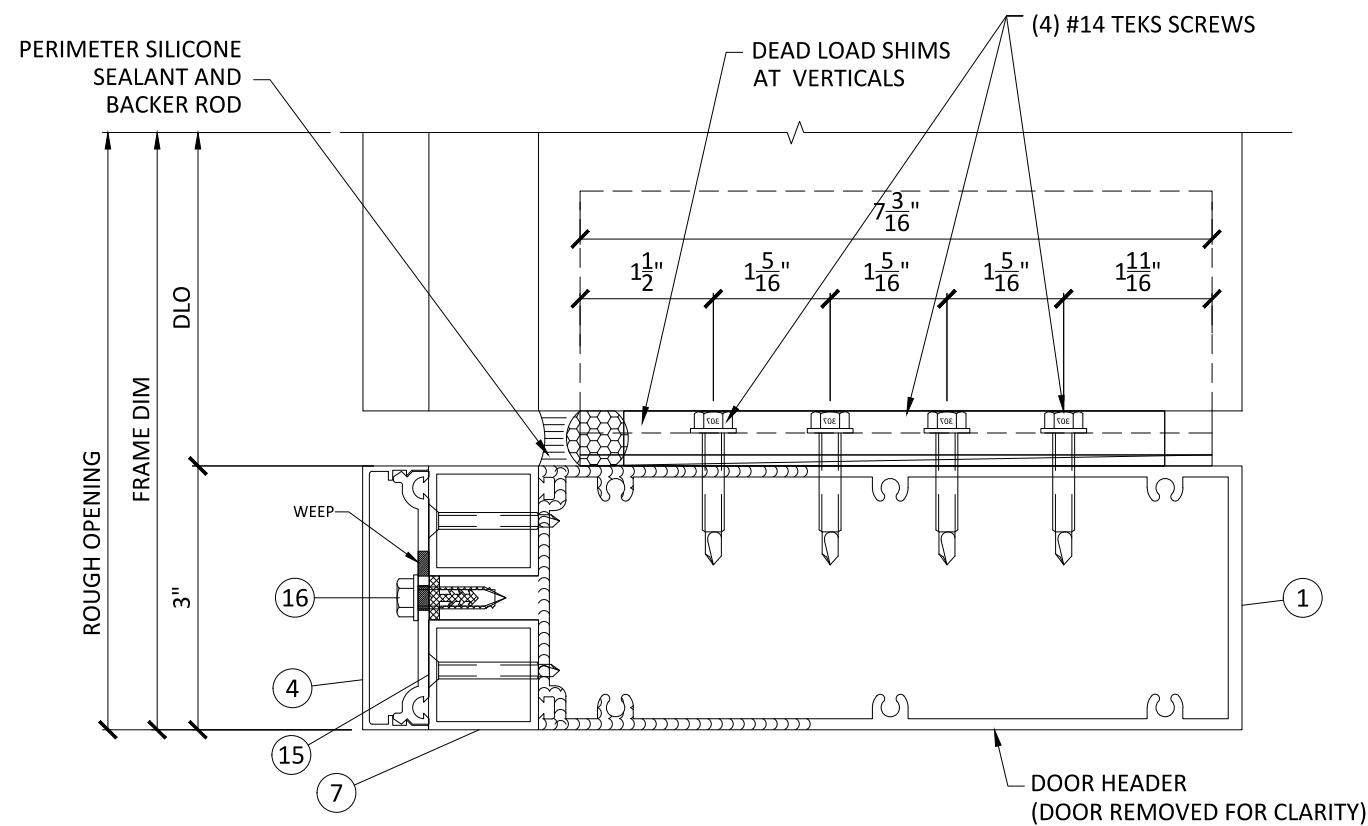
SERIES:
SERIES CW 200 SMI

Description:

Drawn Date 02-01-2021	Scale AS NOTED
Project No. FLORIDA APPROVAL 2020	Drawing Title HORIZONTAL SECTION DETAILS
Sheet No. D8A	



SLIP CONNECTION
DETAIL
(18 D10) SCALE: NTS



VERTICAL MULLION
DETAIL
(20 D10) SCALE: NTS

SIDE VIEW
DETAIL
(19 D10) SCALE: NTS

Manufacturer:

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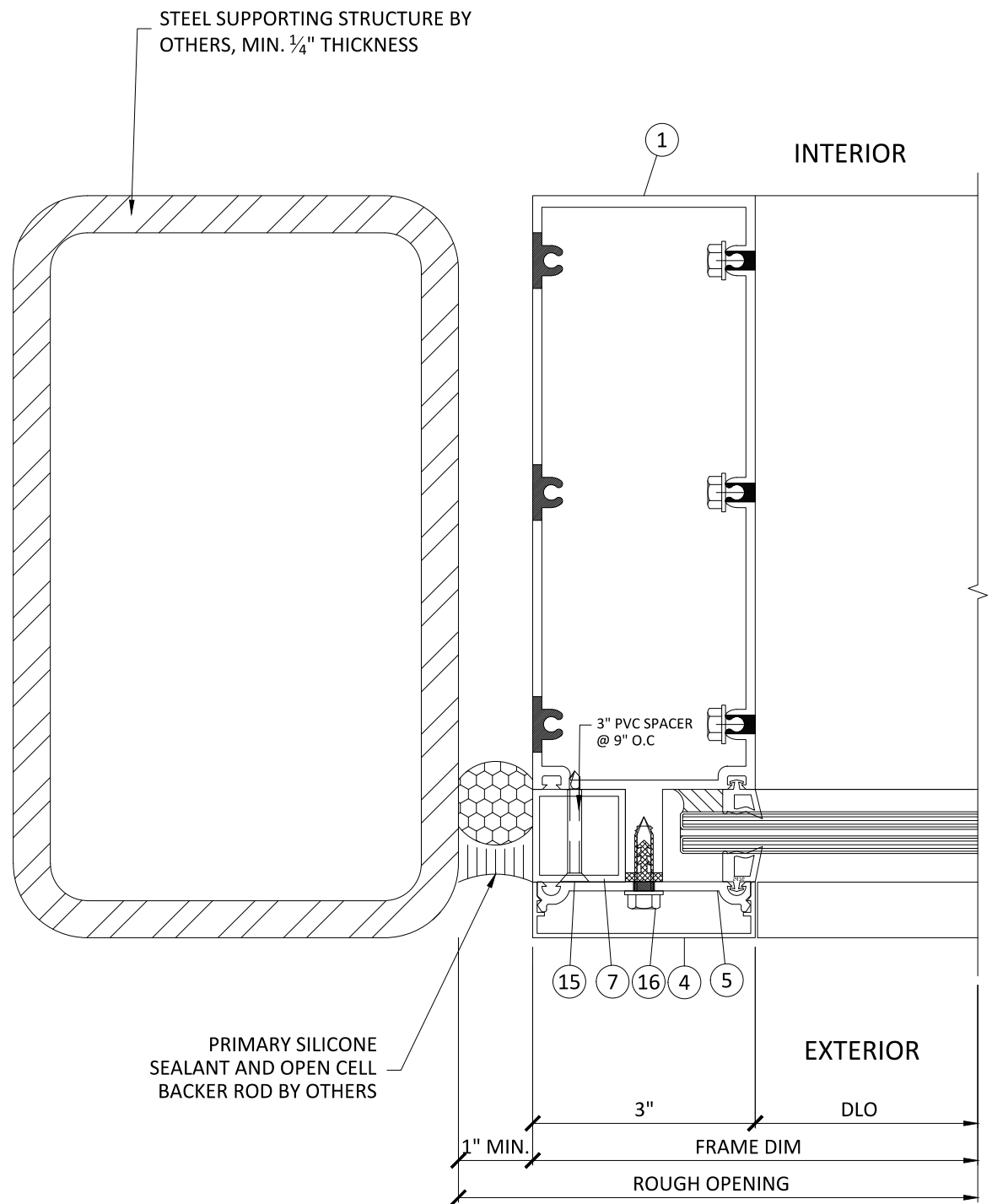
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Drawn Date: 02-01-2021
Scale: AS NOTED

Project No.
FLORIDA APPROVAL 2020

Drawing Title
SLIP CONNECTION DETAILS

Sheet No.
D10

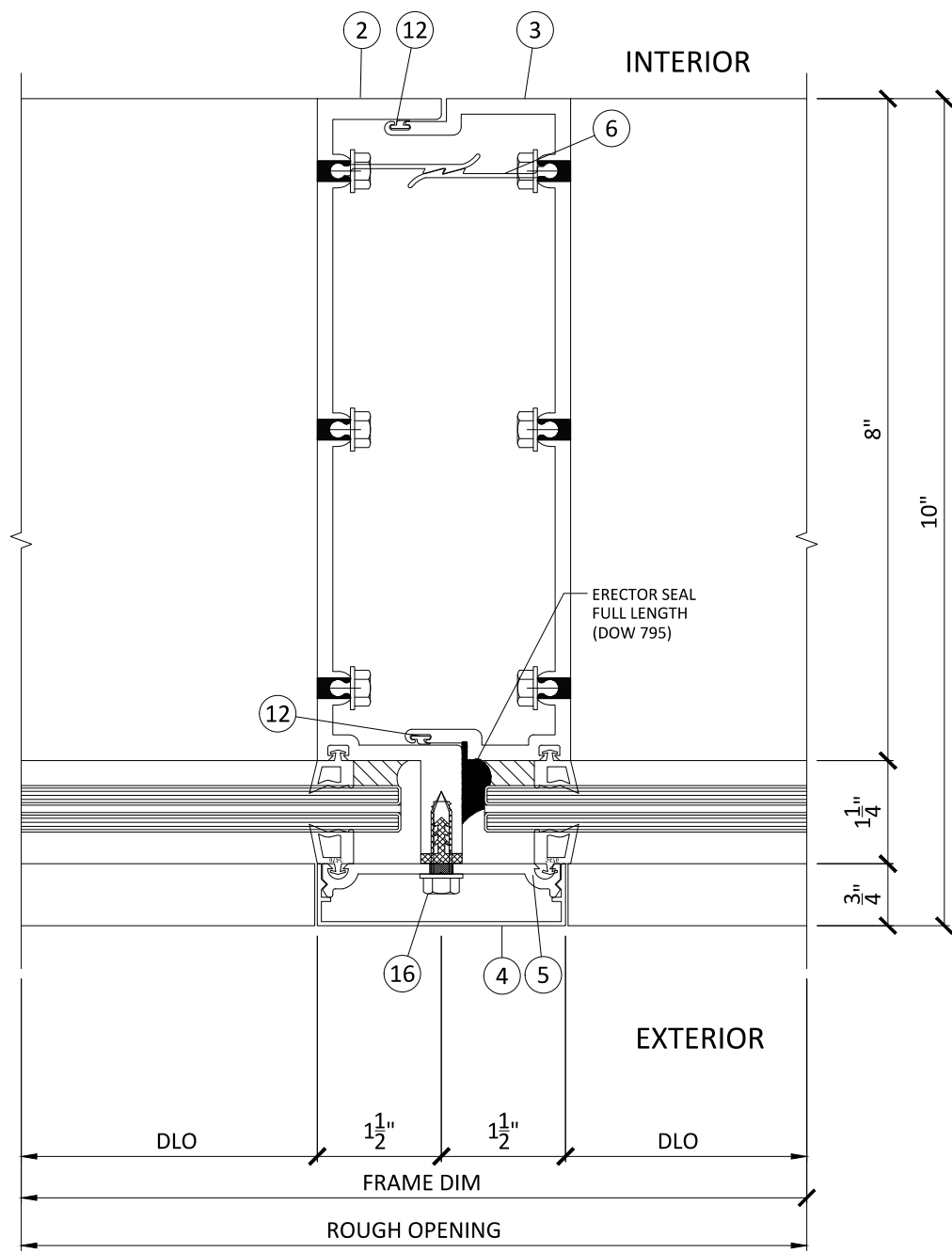


JAMB
DETAIL

21

D11

 SCALE: NTS



VERTICAL MULLION
DETAIL

22

D11

 SCALE: NTS

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Professional Engineer
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STATE OF FLORIDA
Soumel Loriga, P.E.
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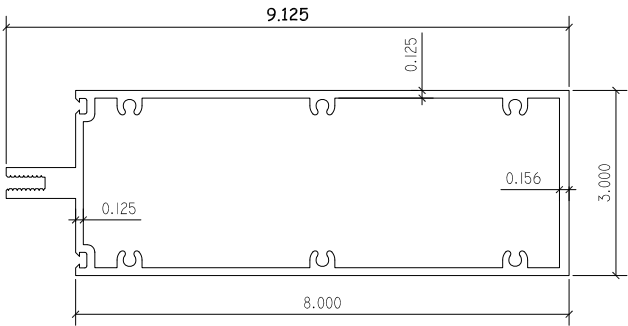
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SERIES CW 200 SMI

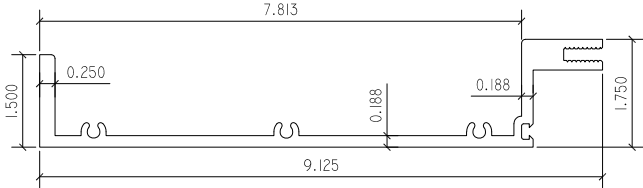
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Drawn Date 02-01-2021	Scale AS NOTED
Project No. FLORIDA APPROVAL 2020	
Drawing Title HORIZONTAL SECTION DETAILS	
Sheet No. D11	

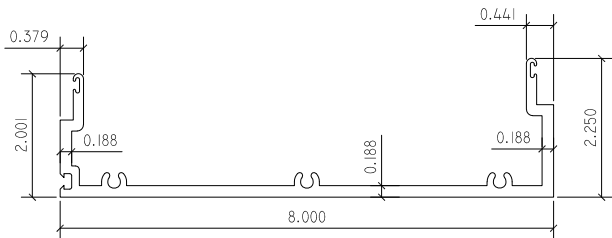
1 2031 - JAMB & HORIZONTAL



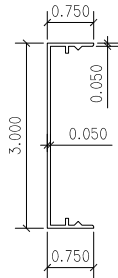
2 2027 - VERTICAL MULLION (LEFT)



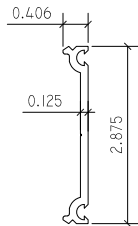
3 2029 - VERTICAL MULLION (RIGHT)



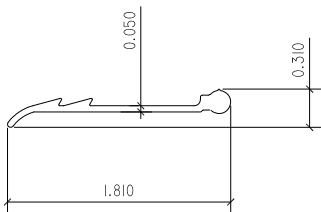
4 2021 - COVER



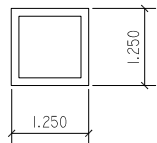
5 2023 - PRESSURE PLATE



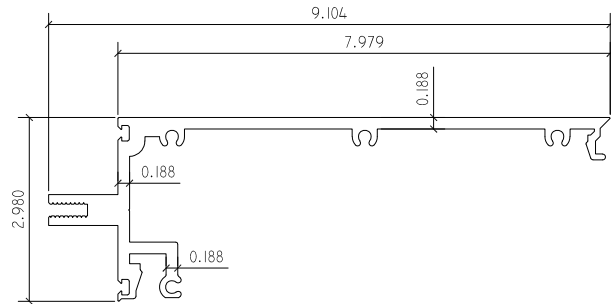
6 ANTI-BUCKLING CLIP



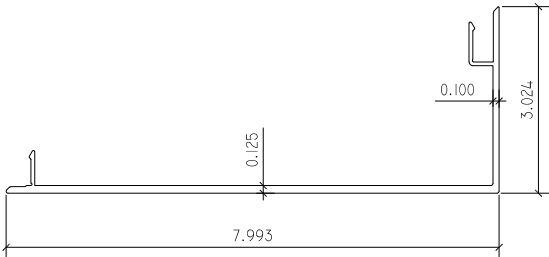
7 SPACER



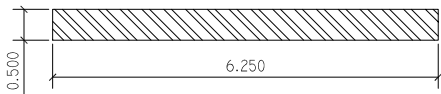
8 HEAD & SILL HORIZONTAL



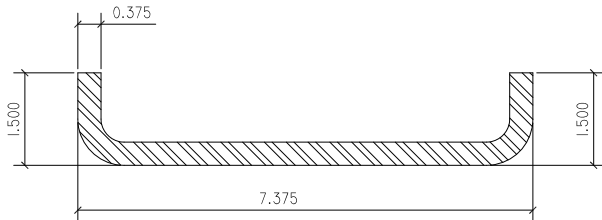
9 HEAD & SILL HORIZONTAL COVER



10 1/2" STEEL - 168" CENTERED ON SPAN



11 3/8" STEEL - 168" CENTERED ON SPAN



BILL OF MATERIALS				
ITEM #	PART NUMBER	PART NAME	ALLOY & TEMPERED	REMARKS
1	2 0 3 1	JAMB & HORIZONTAL	6063-T6	
2	2 0 2 7	VERTICAL MULLION (LEFT)	6063-T6	
3	2 0 2 9	VERTICAL MULLION (RIGHT)	6063-T6	
4	2 0 2 1	COVER	6063-T6	
5	2 0 2 3	PRESSURE PLATE	6063-T5	
6	1 7 1 9	ANTI-BUCKLING CLIP	6063-T6	4" LONG AT 18" O.C.
7		SPACER - 1 1/4x1 1/4 ALUM. TUBE	6063-T52	
8		HEAD & SILL FRAME	6005-T61	
9		HEAD & SILL FRAME COVER	6063-T6	
10		1/2" STEEL BAR		
11		3/8" FORMED STEEL CHANNEL		
12	3 9 9 8	WEATHER STRIP		
13		5/16" SILICONE GASKET		
14		3/8" SILICONE GASKET		
15		#10Ø F.H. TEKS SCREWS @ 18" O.C.		
16		#14x1" HWH SMS SS UNSLOTTED @ 9" O/C		

Manufacturer:

CGS

CONTINENTAL GLASS SYSTEMS LLC.

325 West 74 Place Hialeah, FL 33014

Phone 305.231.1101

Toll Free 1.877.221.1101

Submitta/Revision Description

Drawn By

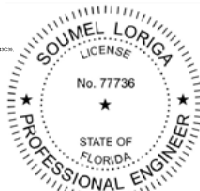
Date

Rev. No.

Sub. No.



REVIEWED FOR STRUCTURAL COMPLIANCE ONLY BY:



Soumel Loriga, P.E.

PE Lic No.: 77736

Cert. of Authorization: 30891

FLORIDA NUMBER:

FL 19734.2

SERIES:

SERIES CW 200
SMI

Description:

Drawn Date
02-01-2021

Scale
AS NOTED

Project No.

FLORIDA APPROVAL 2020

Drawing Title

COMPONENTS AND BOM

Sheet No.

L1