



DESIGN PRESSURE
SEE CHART ON SHEET 4

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 7TH EDITION OF FLORIDA BUILDING CODE (2020) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS INC. MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- DESIGN LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

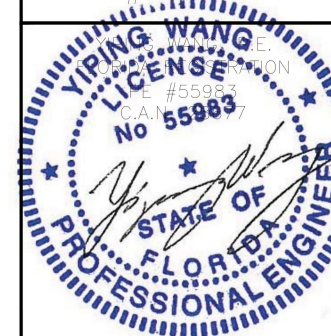


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LIMITATIONS OF USE

- 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.

FL#18395.1



REVISIONS	
NO.	DATE DESCRIPTION
1	8.20.14 RER'S COMMENTS
2	10.30.15 REVISION 2
3	10.12.20 UPDATE PBC 2020

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

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MIRAMAR, FL 33027 P: 786.360.2786

www.MCYEngineering.com mcy@mcyeengineering.com

SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI

CONTINENTAL GLASS SYSTEMS INC.

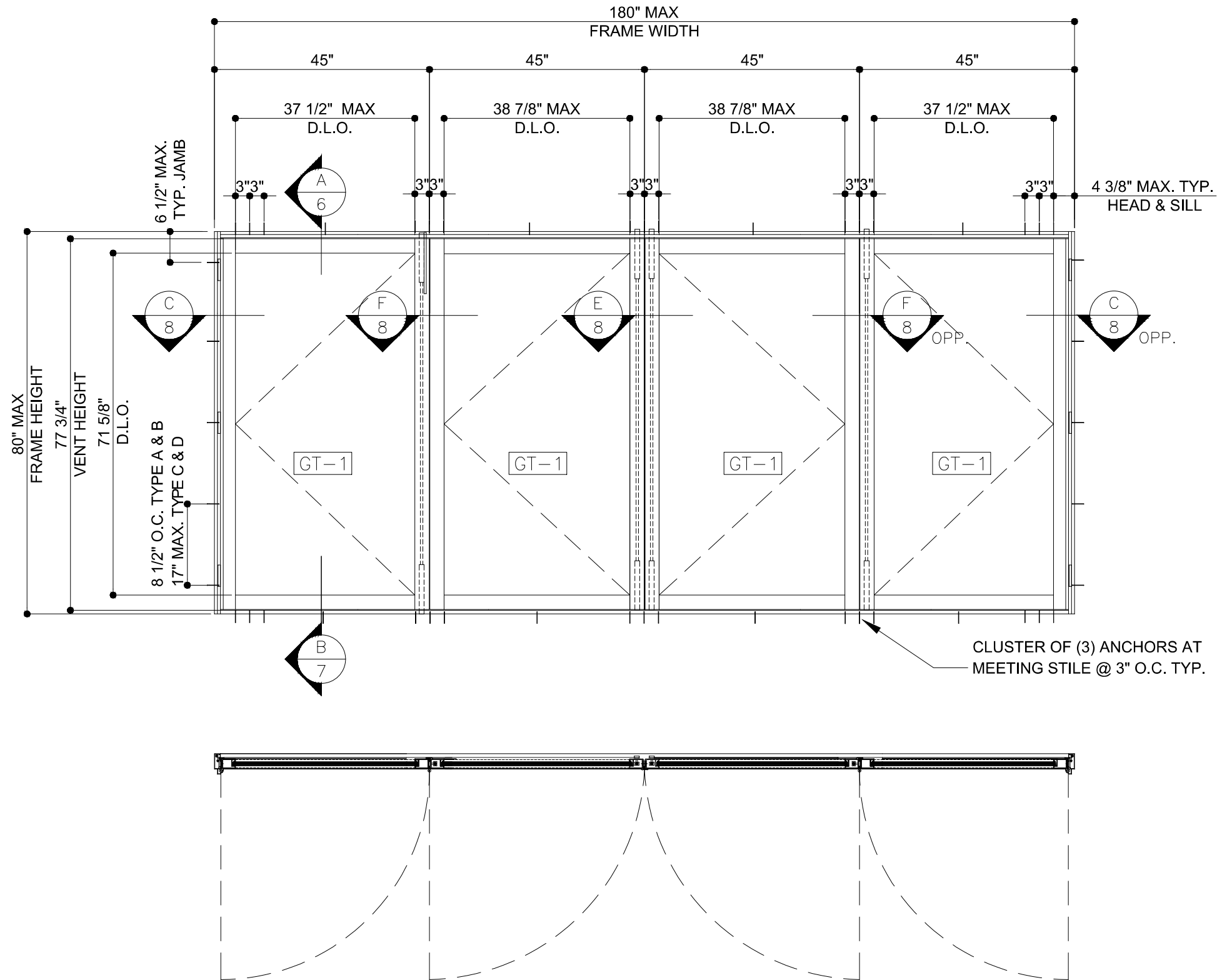
325 WEST 74TH PLACE HIALEAH, FL. 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	13-002

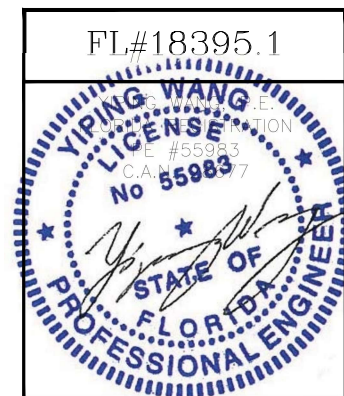
DRAWING NO.
AD15-66

1 OF 11



TYPICAL EXTERIOR ELEVATION (XXXX)

DESIGN PRESSURE
SEE CHART ON SHEET 5



SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI
CONTINENTAL GLASS SYSTEMS INC.
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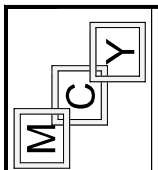
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MCY ENGINEERING, INC.

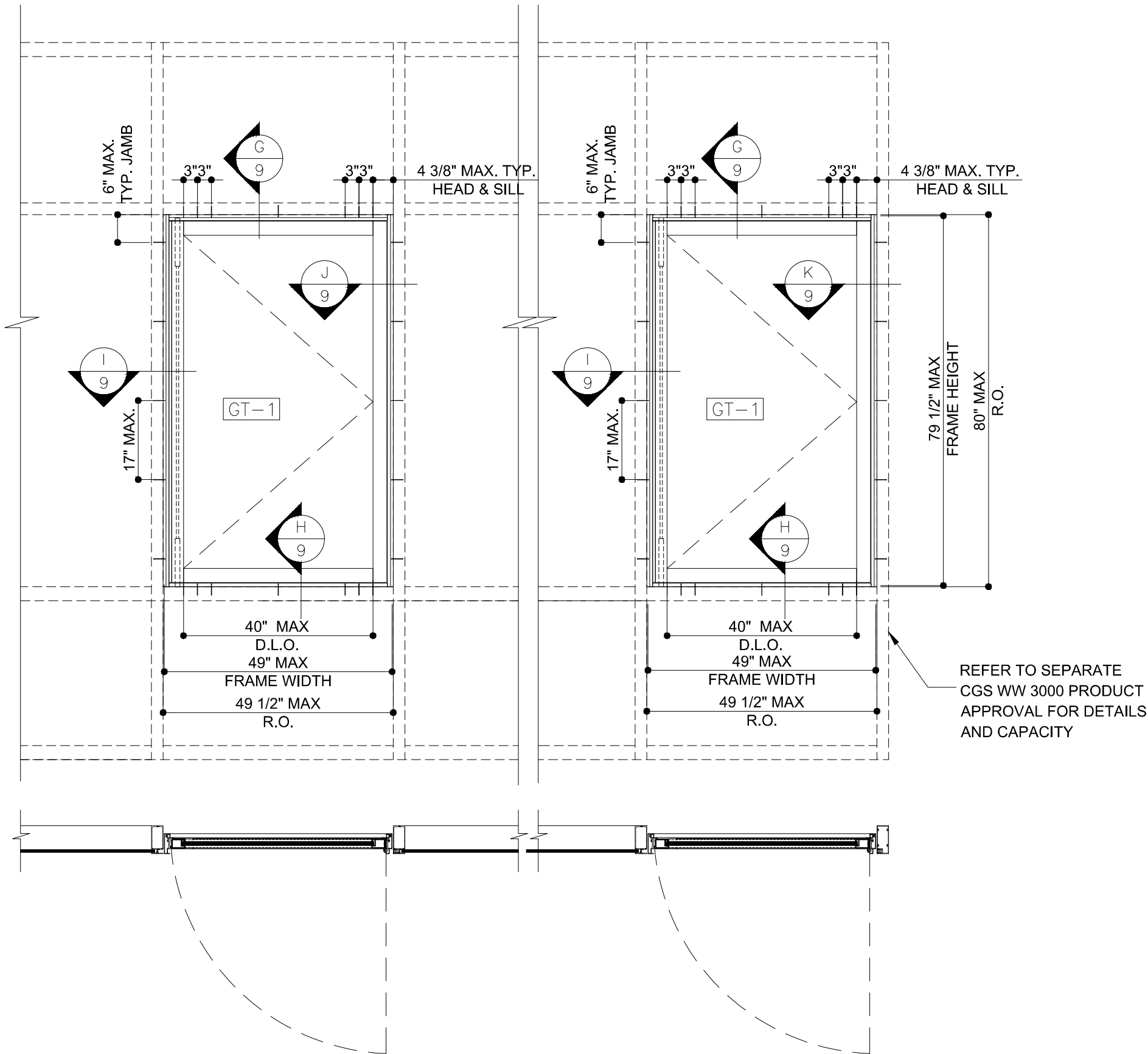
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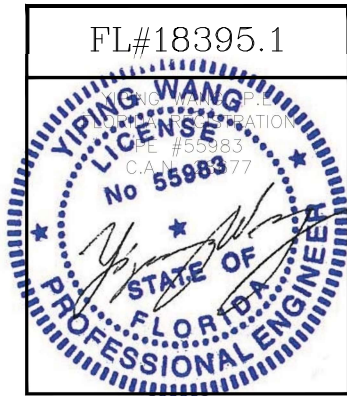
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TYPICAL EXTERIOR ELEVATION (X)
INSIDE WINDOW-WALL CGS 3000

DESIGN PRESSURE
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REFER TO SEPARATE
CGS WW 3000 PRODUCT
APPROVAL FOR DETAILS
AND CAPACITY



FL#18395.1

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CONTINENTAL GLASS SYSTEMS INC.
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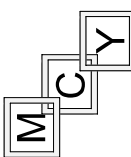
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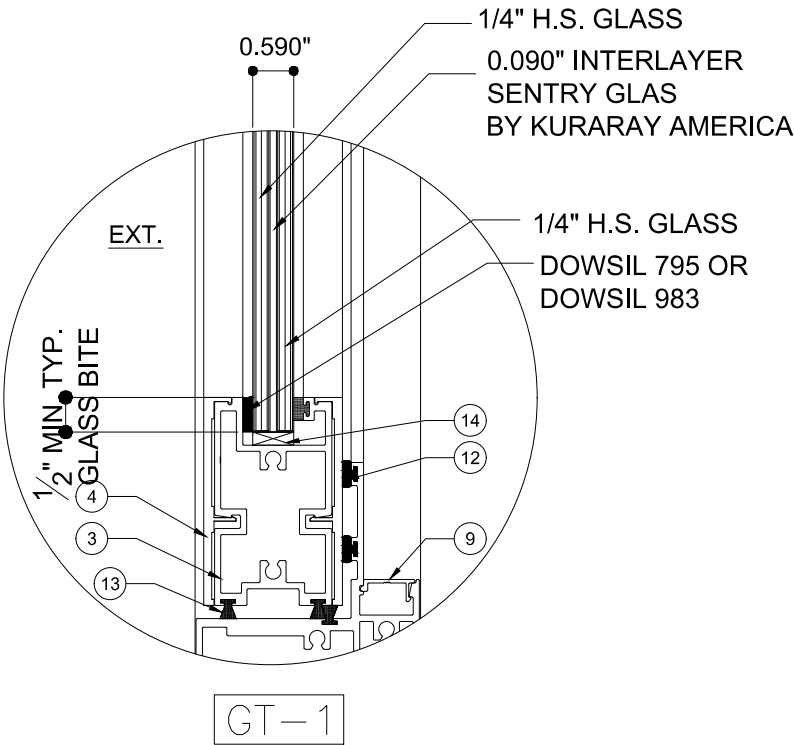
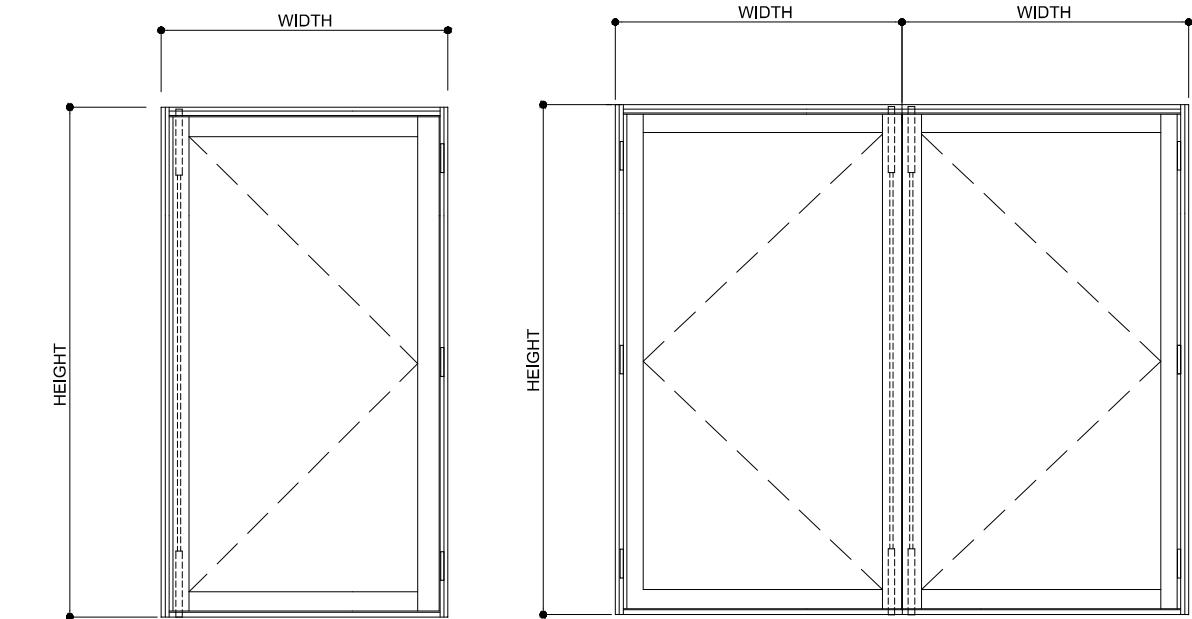
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MAX. DESIGN LOAD FOR TWO PANEL BI-FOLDING WINDOW					
WINDOW PANEL		(XX) CONFIG.		(X)	
WIDTH	HEIGHT	POSITIVE	NEGATIVE	POS/NEG.	
IN	IN	PSF	PSF	PSF	
30	60	110.0	120.0	140.0	
33		110.0	120.0	140.0	
36		110.0	120.0	140.0	
39		110.0	120.0	140.0	
42		110.0	120.0	140.0	
45		110.0	120.0	140.0	
48		110.0	120.0	140.0	
51		110.0	113.0	140.0	
54		107.0	107.0	140.0	
30	66	110.0	120.0	140.0	
33		110.0	120.0	140.0	
36		110.0	120.0	140.0	
39		110.0	120.0	140.0	
42		110.0	120.0	140.0	
45		110.0	120.0	140.0	
48		110.0	120.0	140.0	
51		110.0	113.0	140.0	
54		107.0	107.0	140.0	
30	72	110.0	120.0	140.0	
33		110.0	120.0	140.0	
36		110.0	120.0	140.0	
39		110.0	120.0	140.0	
42		110.0	120.0	140.0	
45		110.0	120.0	140.0	
48		110.0	120.0	140.0	
51		110.0	113.0	140.0	
54		107.0	107.0	140.0	
30	78	110.0	120.0	140.0	
33		110.0	120.0	140.0	
36		110.0	120.0	140.0	
39		110.0	120.0	140.0	
42		110.0	120.0	140.0	
45		110.0	120.0	140.0	
48		110.0	120.0	140.0	
51		110.0	113.0	140.0	
54		107.0	107.0	140.0	
30	80	110.0	120.0	140.0	
33		110.0	120.0	140.0	
36		110.0	120.0	140.0	
39		110.0	120.0	140.0	
42		110.0	120.0	140.0	
45		110.0	120.0	140.0	
48		110.0	120.0	140.0	
51		110.0	113.0	140.0	
54		107.0	107.0	140.0	
49		-	-	140.0	



0.590" TOTAL GLASS THICKENSS
INTERLAYER GLAZING DETAIL

NOTE:
GLASS CAPACITY COMPLY WITH
ASTM E1300 (3 SEC. GUSTS)

HARDWARE:

LOCKS:

A TWO POINT LOCK WITH HANDLE (BF-01-650) BY INTERLOCK, LOCATED AT BOTH ACTIVE AND INACTIVE SASH AT 36" FROM THE BOTTOM OF THE SASH.

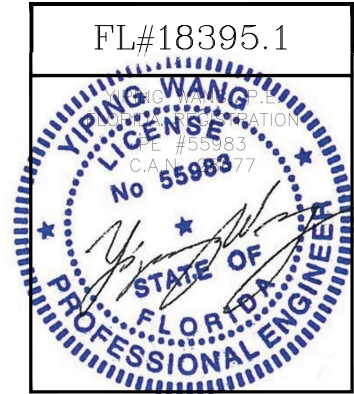
1/2" SOLID S.S. FLUSH BOLTS WITH A THROW OF 1" AT TOP & BOTTOM.

THE 1"x2"x0.764" DEEP STRIKE PLATES INSTALLED WITH (2)#8x1/2" PHILIPS FLAT HEAD AND SET IN WITH ACRYL-R SEAM SEALER BY SCHNEE-MOREHEAD INC.

HINGES:

(3) 4 X 4 1/2" SS METAL HINGES INSTALLED ON EACH SASH @ 8 1/4" AND FROM TOP AND BOTTOM OF SASH AND ONE AT CENTER.

(4) 6MM X 15MM PHILLIPS FLAT HEAD MACHINE SCREWS ON HINGE STILES OF THE SASH AND BI-FOLDING FRAME.



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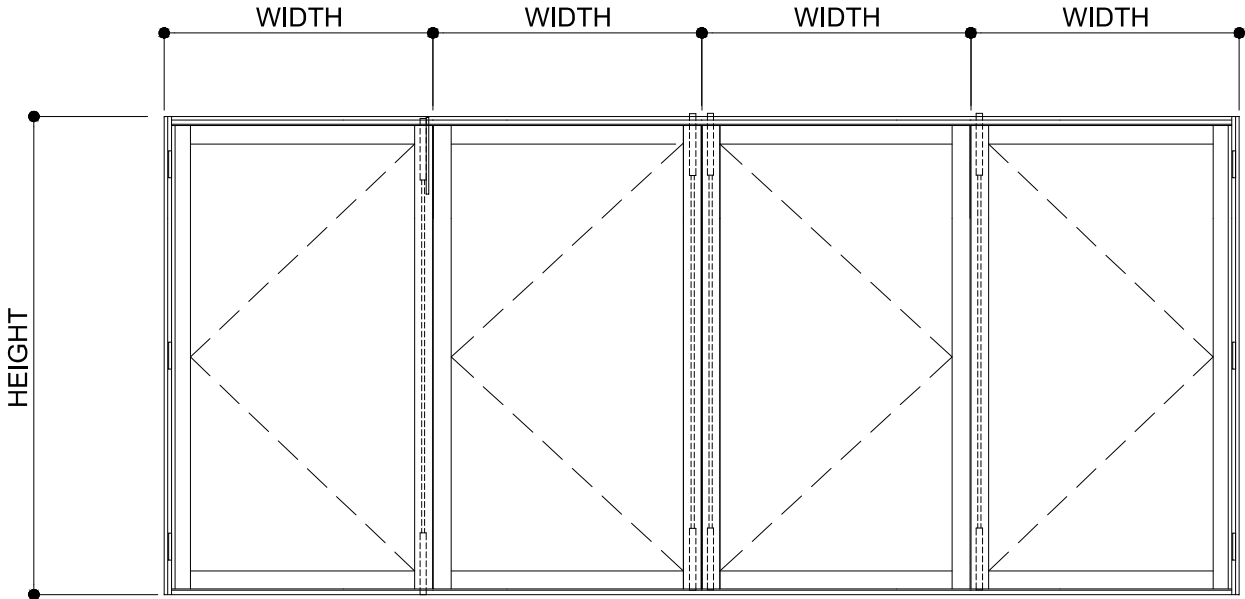
SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI

CONTINENTAL GLASS SYSTEMS INC.
325 WEST 74TH PLACE HIALEAH, FL. 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	13-002

DRAWING NO.
AD15-66

MAX. DESIGN LOAD FOR FOUR PANEL BI-FOLDING WINDOW			
WINDOW PANEL		MAX. DESIGN LOAD	
WIDTH	HEIGHT	POSITIVE	NEGATIVE
IN	IN	PSF	PSF
30	60	90.0	90.0
33		90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45		90.0	90.0
48		90.0	90.0
51		90.0	90.0
54		90.0	90.0
30		90.0	90.0
33	66	90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45		90.0	90.0
48		90.0	90.0
51		90.0	90.0
30		90.0	90.0
33		90.0	90.0
36		90.0	90.0
39	72	90.0	90.0
42		90.0	90.0
45		90.0	90.0
48		90.0	90.0
51		90.0	90.0
30		90.0	90.0
33		90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45	78	90.0	90.0
48		90.0	90.0
51		90.0	90.0
30		90.0	90.0
33		90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45		90.0	90.0
30		90.0	90.0
33	80	90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45		90.0	90.0
30		90.0	90.0
33		90.0	90.0
36		90.0	90.0
39		90.0	90.0
42		90.0	90.0
45		90.0	90.0



SEALANT: DOW CORNING 790

PERIMETER OF FRAME ON THE INTERIOR, FRAME CORNERS, GLAZING BEAD SEAMS AT EACH END, FIXED MEETING RAIL AT EACH END, INSTALLATION FASTENERS AT FRAME SILL & EACH END OF FRAME SILL TRACK.

HARDWARE:

LOCKS:

A TWO POINT LOCK WITH HANDLE (BF-01-650) BY INTERLOCK, LOCATED ON BOTH SASH 2 & 3 SASH AT 36" FROM THE BOTTOM OF THE SASH. THIS LOCK ACTIVE BOTH THE TOP & BOTTOM 1/2" SOLID S.S. FLUSH BOLTS WITH A THROW OF 1".

1/2" x 3/4" LG FLUSH BOLTS ARE ALSO LOCATED ON THE LOCK STILE OF SASH 1 & 3 AT 14 3/4" FROM TOP & BOTTOM OF THE SASH.

THE 1"x2"x0.764" DEEP STRIKE PLATES INSTALLED WITH (2)#8x1/2" PHILIPS FLAT HEAD AND SET IN WITH ACRYL-R SEAM SEALER BY SCHNEE-MOREHEAD INC.

HINGES:

(3) 4 X 4 1/2" SS METAL HINGES INSTALLED ON EACH SASH @ 8 1/4" AND FROM TOP AND BOTTOM OF SASH AND ONE AT CENTER.

(4) 6MM X 15MM PHILLIPS FLAT HEAD MACHINE SCREWS ON HINGE STILES OF THE SASH AND BI-FOLDING FRAME.

TYPICAL ANCHORS: (SEE ELEV. FOR SPACING)

- TYPE 'A' - **5/16" DIA. 'ELCO' ULTRACON** (Fu = 177 KSI, Fy = 155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD
- TYPE 'B' - THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'C' - **5/16" DIA. 'ELCO' ULTRACON** (Fu = 177 KSI, Fy = 155 KSI)
1-3/8" MIN. EMBED DIRECTLY INTO CONCRETE
- TYPE 'D' - **#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)**
(Fu = 74 KSI, Fy = 57 KSI)
INTO STEEL
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

INTO MIAMI-DADE COUNTY OR FLORIDA APPROVED ALUMINUM MULLIONS 1/8" THK. MIN. (6063-T5 MIN.)

INTO APPROVED CGS WW3000 WINDOW WALL MULLION

SUBSTRATES:

MASONRY

ASTM C90 GROUT FILLED CONCRETE BLOCK
HOLLOW BLOCK fm'=2000 PSI min.

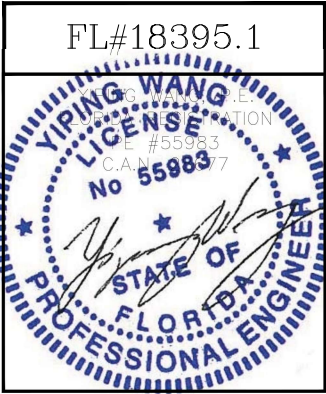
CONCRETE

f'c= 3,000 PSI MIN.

ANCHOR EDGE DISTANCES

- INTO CONCRETE = 2-3/16" MIN.
INTO MASONRY = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/2" MIN.
INTO METAL STRUCTURE = 1" MIN.

WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.



REVISIONS

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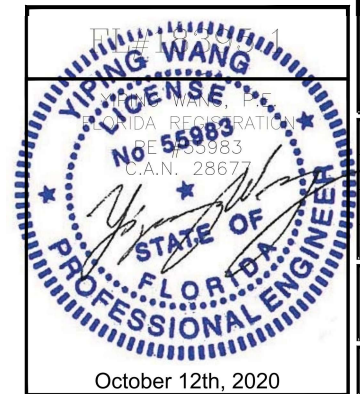
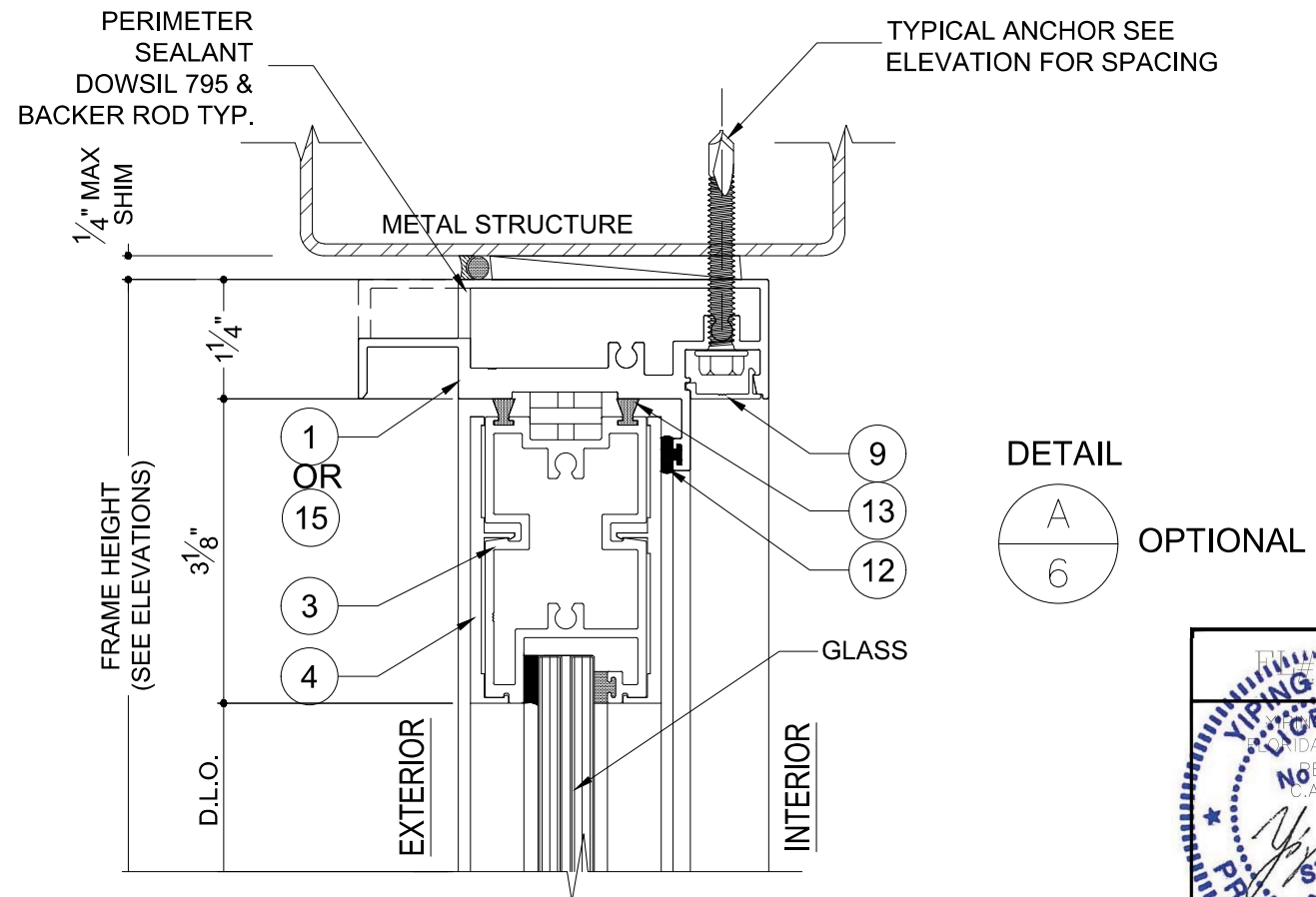
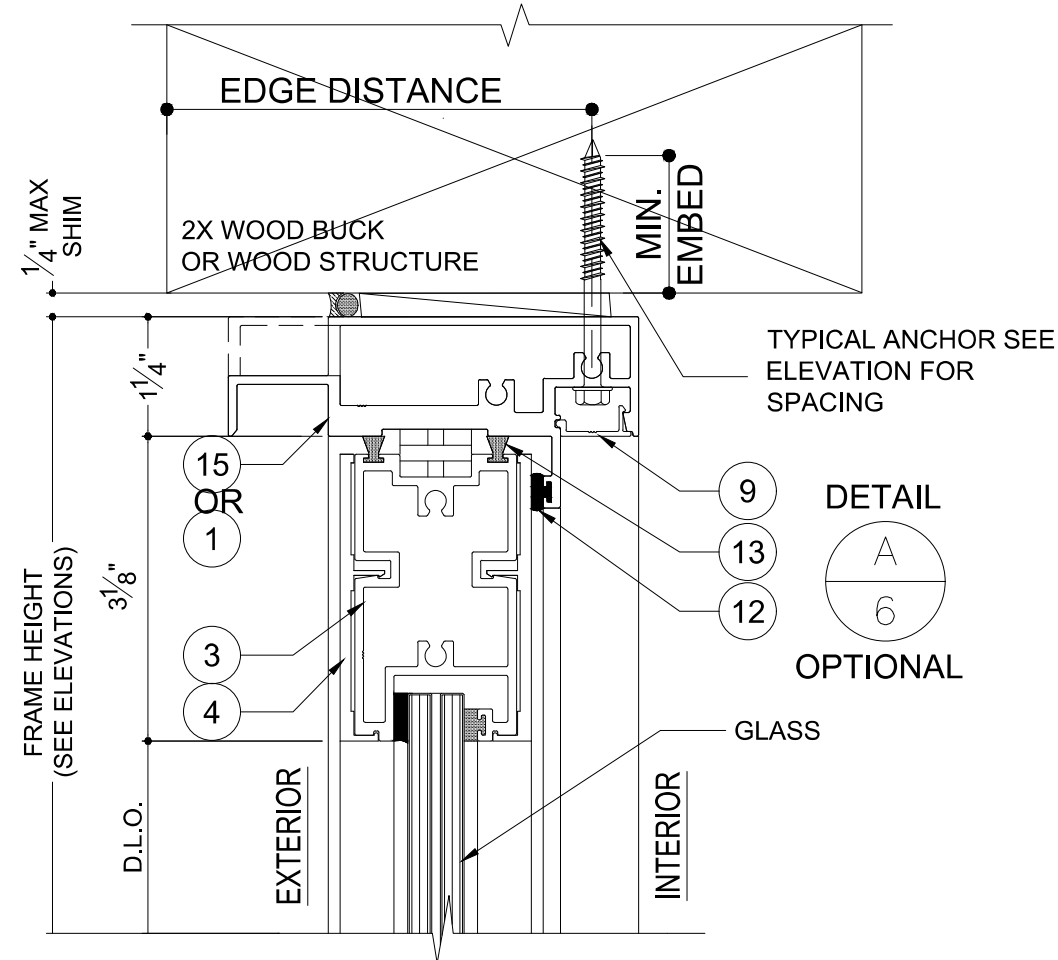
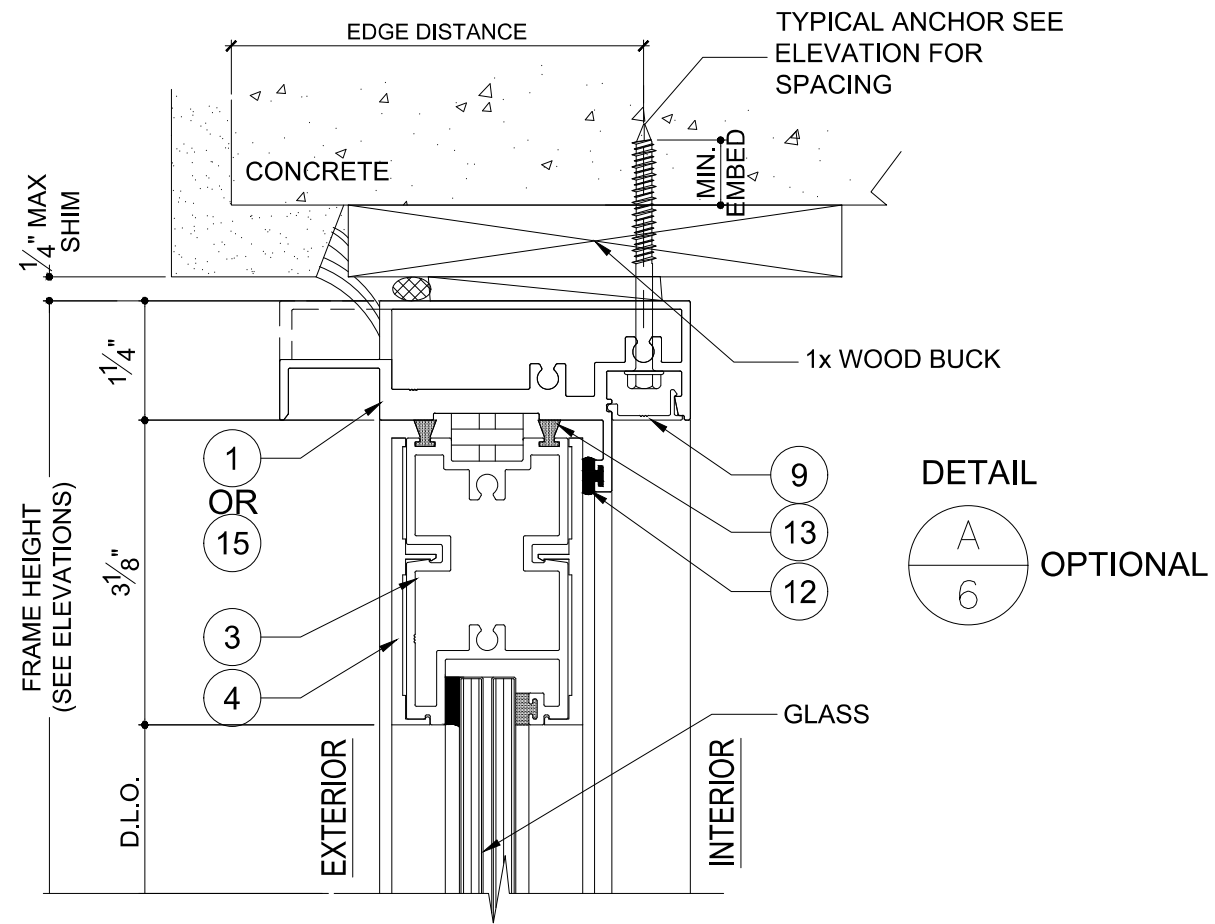
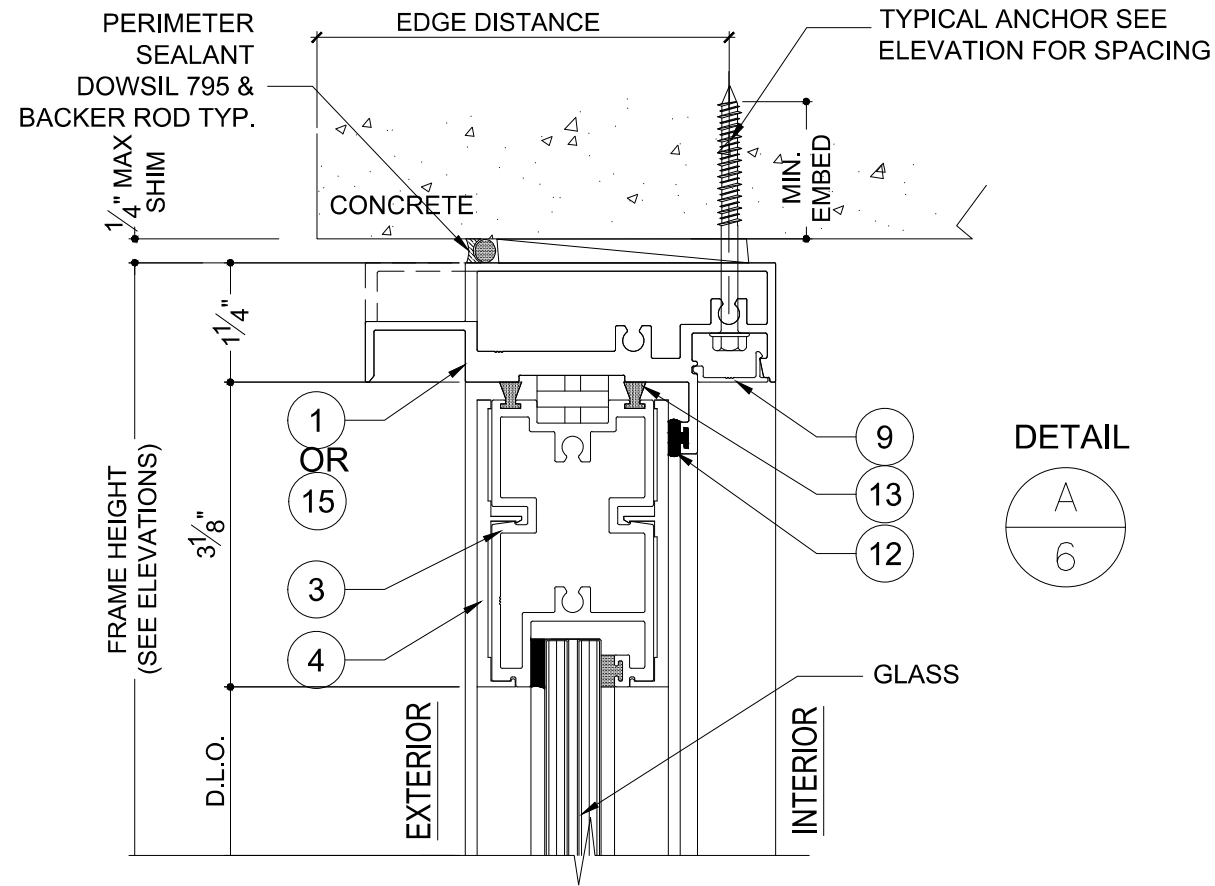
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DRAWING NO.	AD15-66
5 OF 11	



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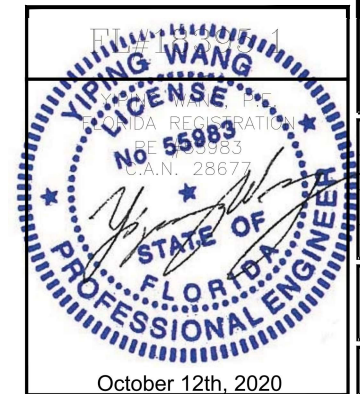
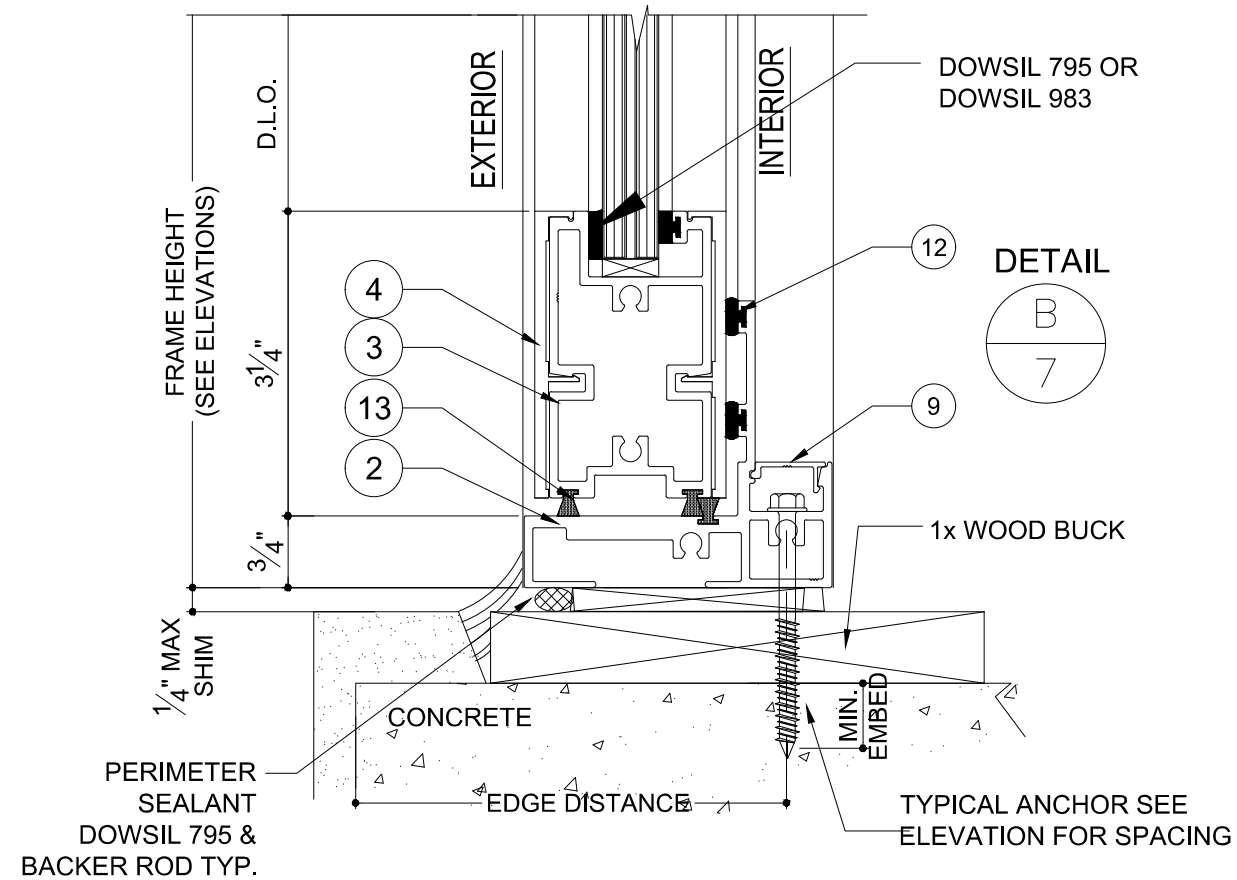
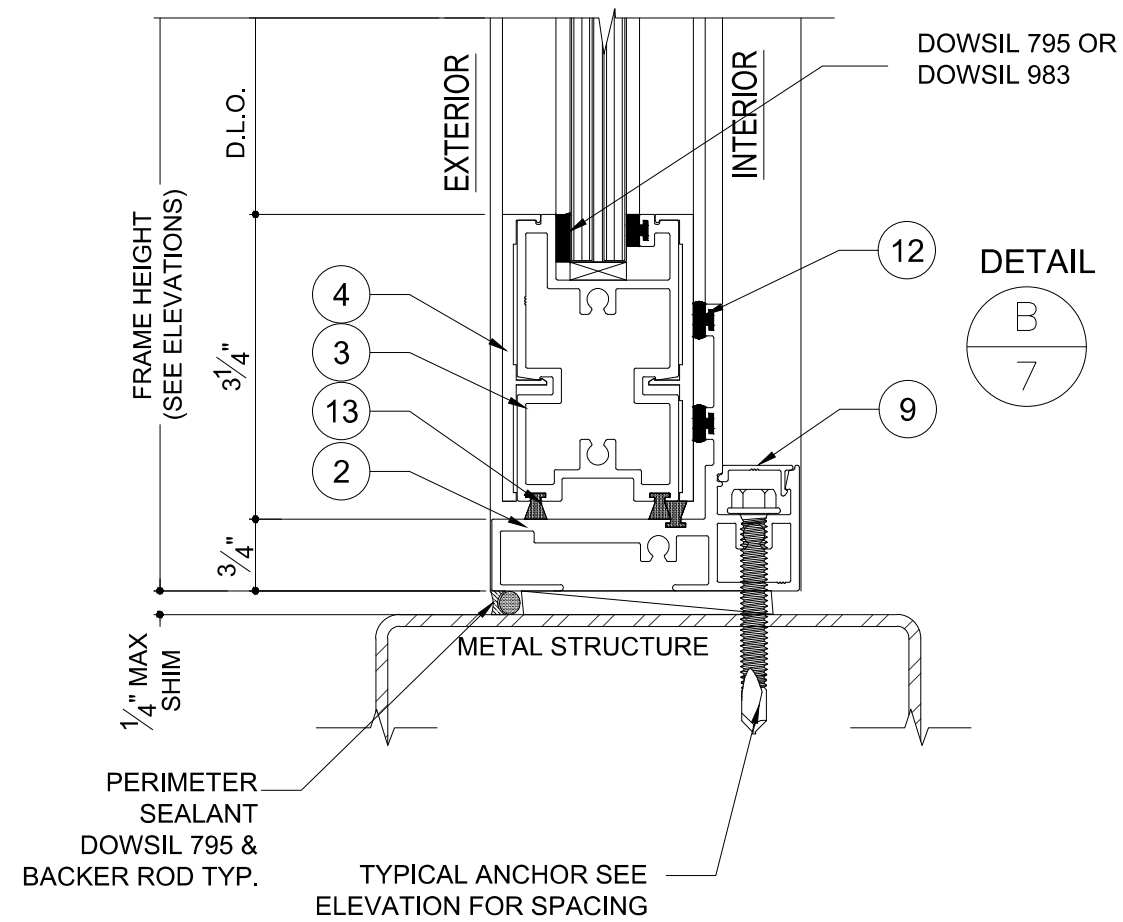
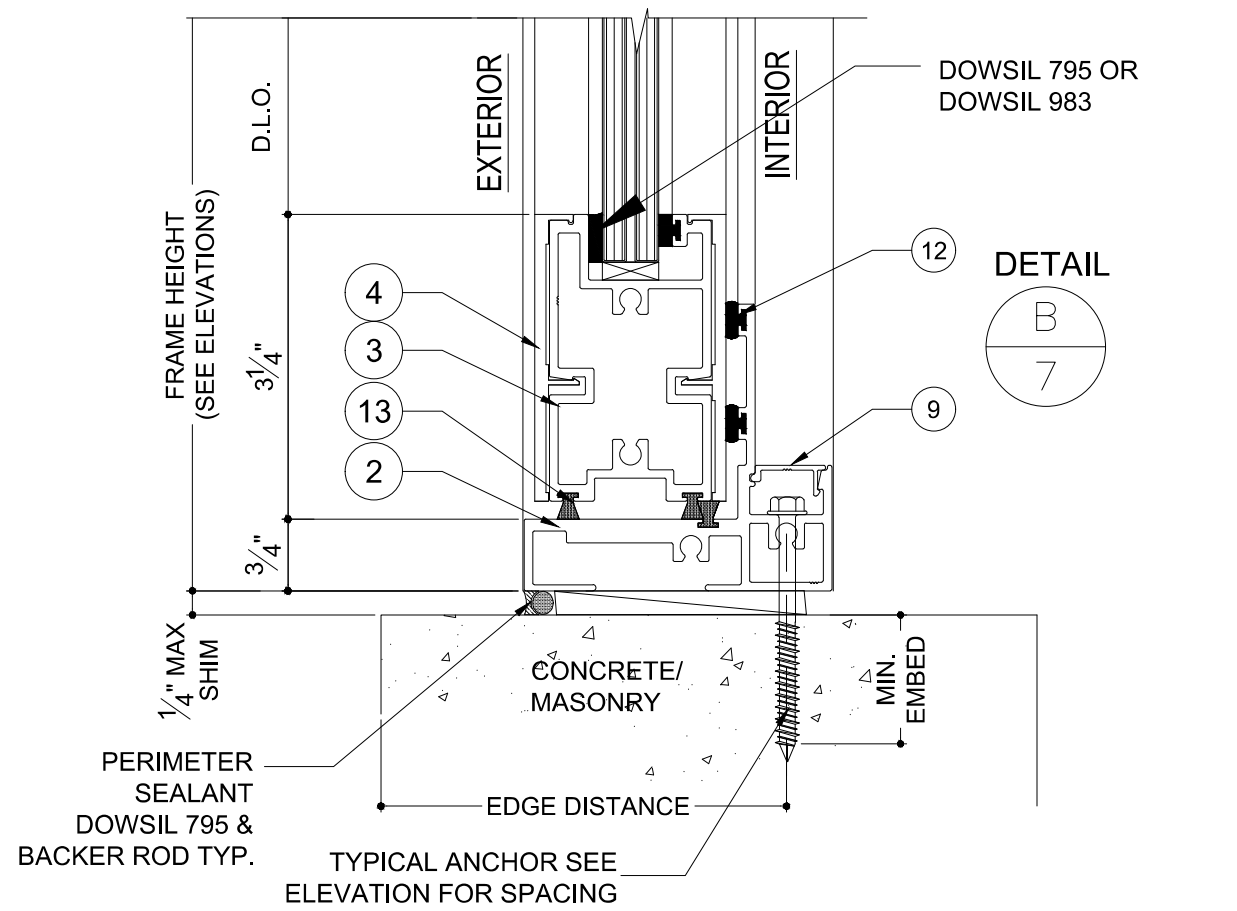
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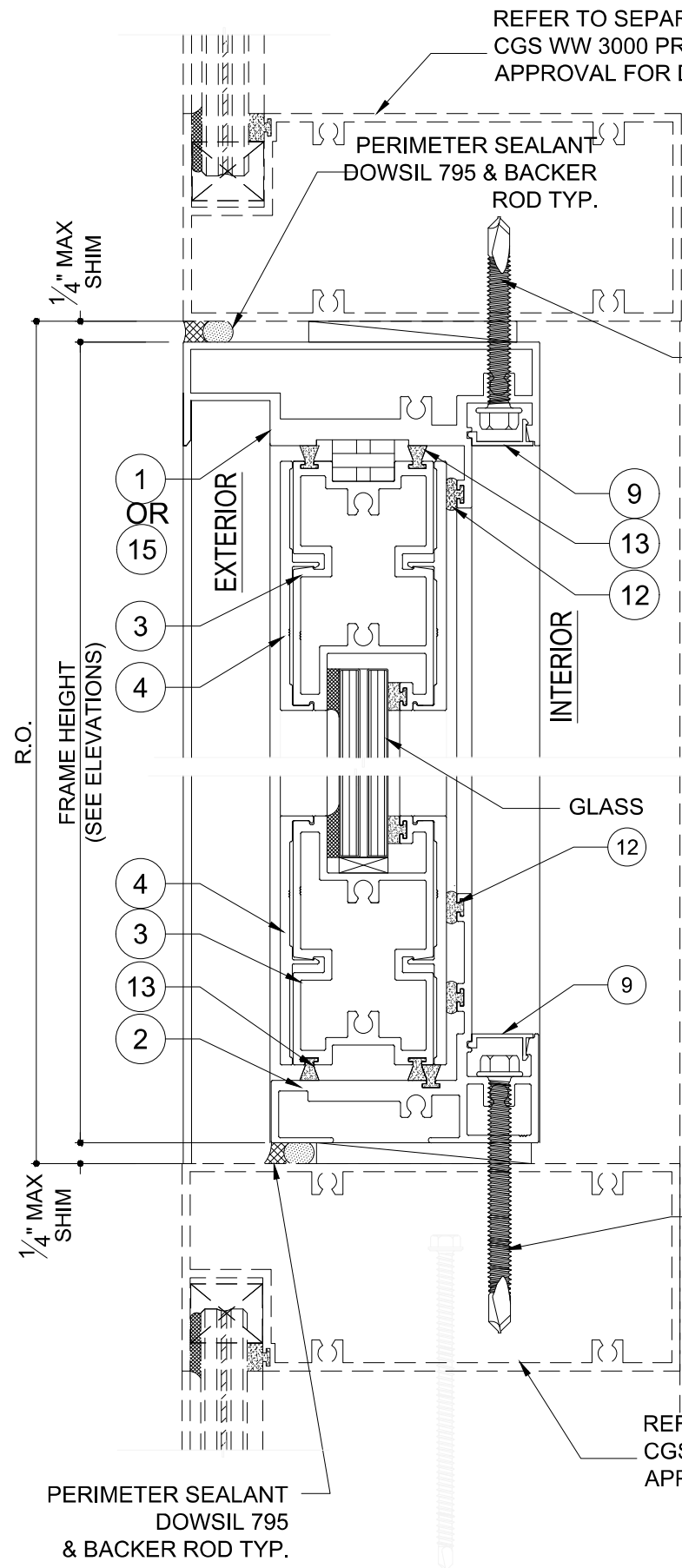
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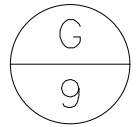
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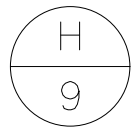
DETAIL



TYPICAL ANCHOR SEE
ELEVATION FOR SPACING

TYPICAL ANCHOR
SEE ELEVATION
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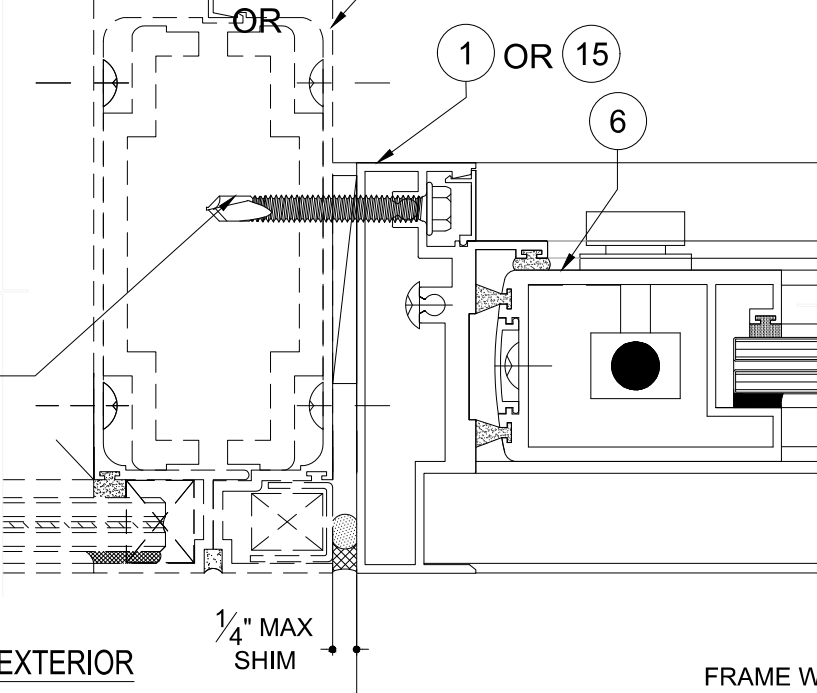
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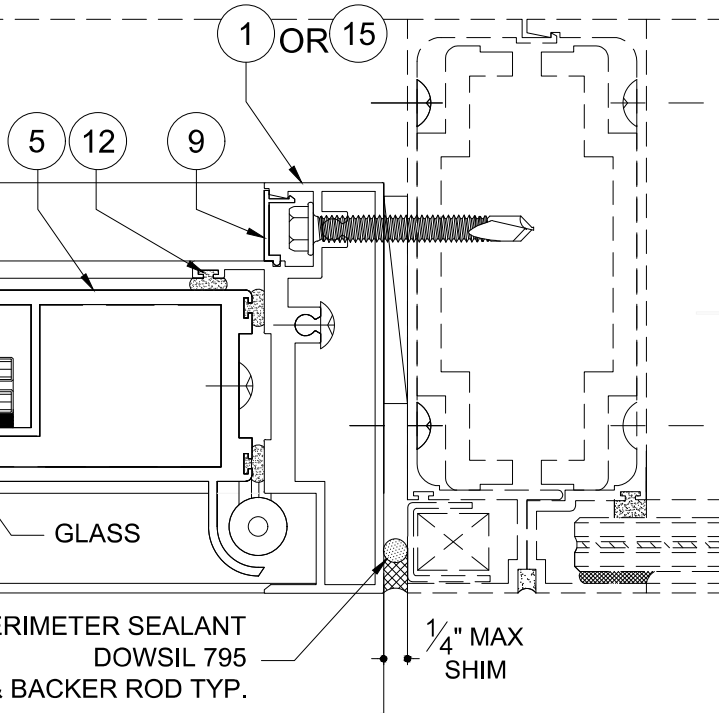
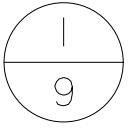
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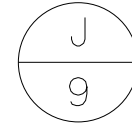
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DETAIL



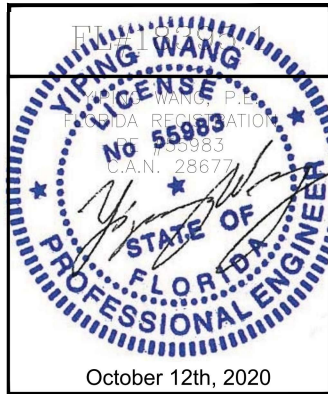
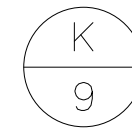
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DETAIL



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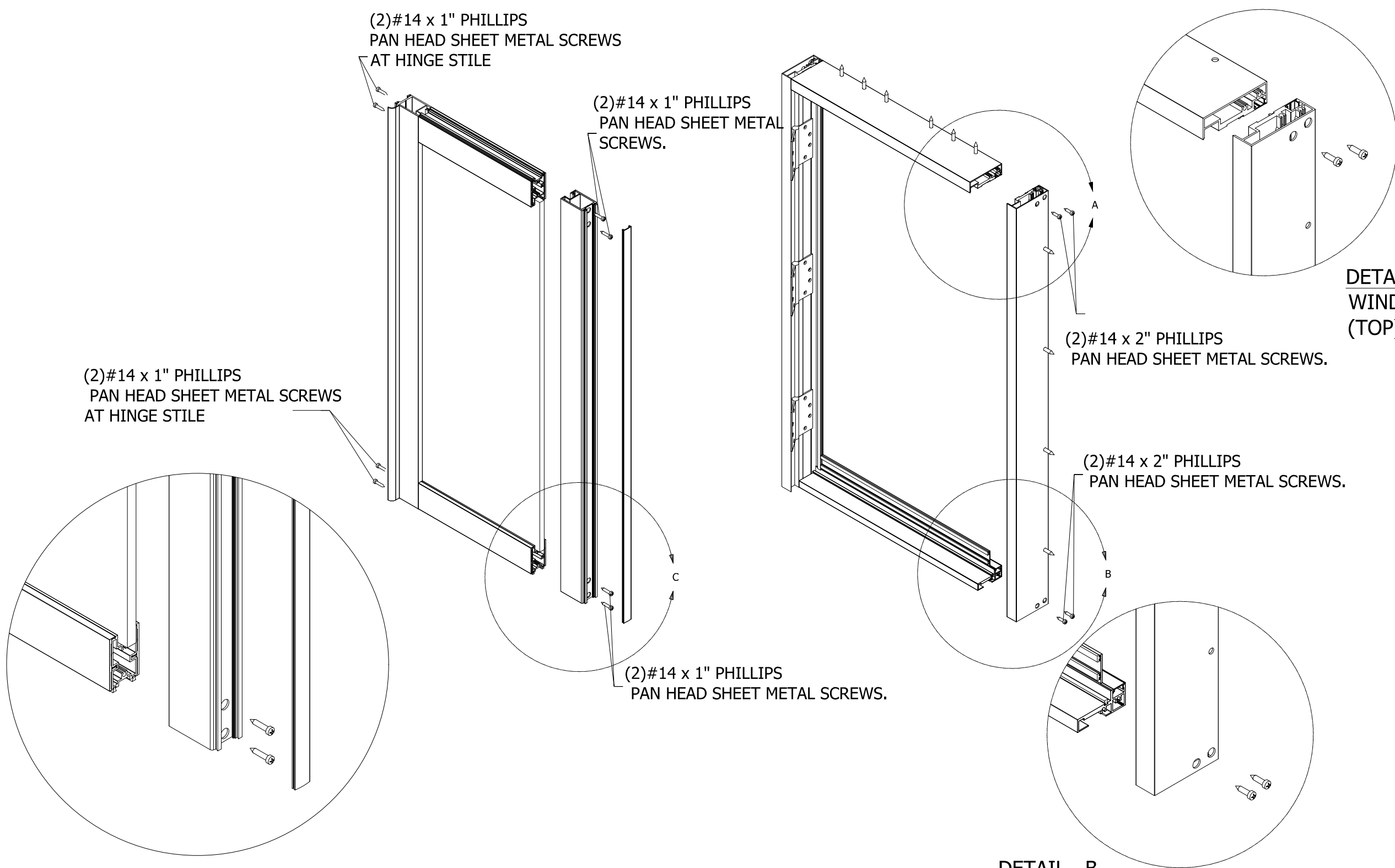
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CONTINENTAL GLASS SYSTEMS INC.
325 WEST 74TH PLACE HIALEAH, FL. 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

DATE	10/12/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	13-002
DRAWING NO.	AD15-66
	9 OF 11



(2)#14 x 1" PHILLIPS
PAN HEAD SHEET METAL SCREWS
AT HINGE STILE

(2)#14 x 1" PHILLIPS
PAN HEAD SHEET METAL SCREWS
AT HINGE STILE

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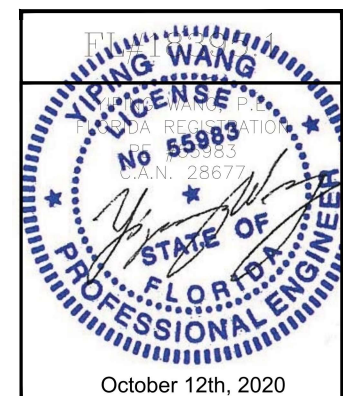
(2)#14 x 2" PHILLIPS
PAN HEAD SHEET METAL SCREWS.

(2)#14 x 2" PHILLIPS
PAN HEAD SHEET METAL SCREWS.

DETAIL A
WINDOW FRAME
(TOP)

DETAIL C
WINDOW SASH

DETAIL B
WINDOW FRAME
(BOTTOM)



NO	DATE	DESCRIPTION
1	8.20.14	REV'S COMMENTS
2	10.30.15	REVISION 2
3	10.12.20	UPDATE FBC 2020

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117
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SERIES 7200 ALUMINUM BI-FOLDING WINDOW - LMI
CONTINENTAL GLASS SYSTEMS INC.
325 WEST 74TH PLACE HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

DATE	06/02/2020
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	13-002
DRAWING NO.	AD15-66
11 OF 11	