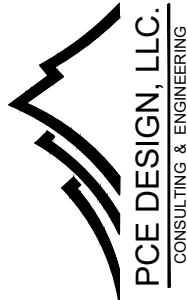


PRODUCT DEVELOPMENT

ALUMINIUM WINDOW WALL SYSTEM

PRODUCT APPROVAL DRAWINGS



6135 NW 167th St. STE E-1
Miami Gardends, FL 33015
Ph. (305) 698-0550

SERIES "FX 345"
ALUMINIUM WINDOW
WALL SYSTEM
SMALL MISSILE IMPACT (S.M.I.)

RC BES WINDOWS LLC
12900 NW 38th AVE.
OPA-LOCKA, FL 33054
Ph. 305-203-0780
Contact@BESmiami.com

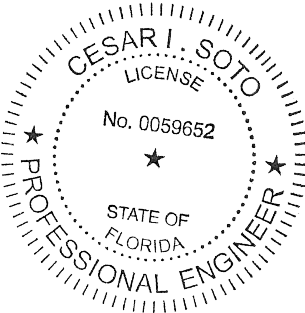
DRAWINGS NUMBER
24-0197P.3

REVISIONS:

No.	Date	Description

DATE:
May 31st, 2024

DRAWN BY SM	SCALE N.T.S.
Sheet No. 00 OF 12	SHEET NO. Cover



Digitally signed by Cesar I Soto
Contact Info: PE #59652
cesar.soto@paramountce.com
Date: 2025.01.28 15:39:04-05'00'

CONTACT: (305)698-0550 OR (786)877-2699

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CESAR I. SOTO P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNAURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

01/28/2025

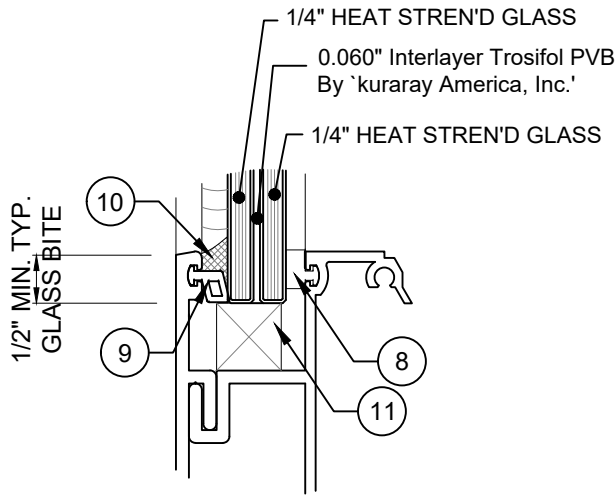
FX 345 ALUMINIUM WINDOW WALL SYSTEM

GENERAL NOTES

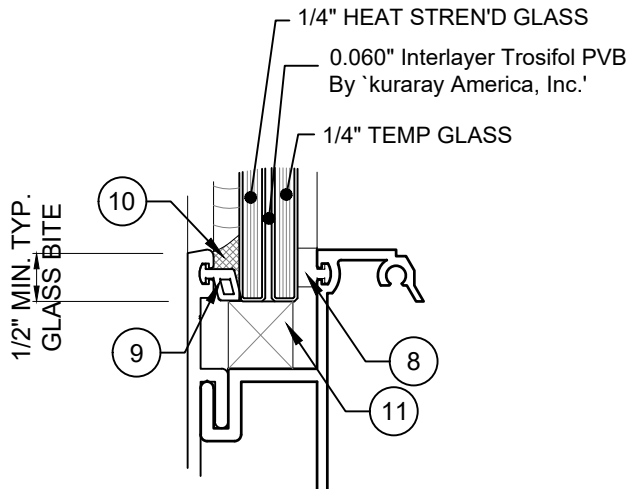
- A. THE PRODUCT SHOWN HEREIN IS DESIGNED AND TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION 2023 (FBC 2023), INCLUDING HVHZ (HIGH VELOCITY HURRICANE ZONE)
- B. ADEQUACY OF THE EXISTING STRUCTURAL SUBSTRATE (METAL, CONCRETE, MASONRY, WOOD, ETC) NEEDS TO BE ABLE TO WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- C. WOODBUCKS EITHER 1BY OR 2BY (OPTIONAL) NEED TO BE DESIGNED AND SPECIFIED BY THE ARCHITECT OF RECORD OR THE ENGINEER OF RECORD AND NEED TO BE ABLE TO WITHSTAND ALL THE TRANSFERRED LOADS FROM THE GLAZING PRODUCT CORRECTLY.
- D. ALL ANCHORS NEED TO BE CORROSION RESISTANT, SEE PRODUCT APPROVAL FOR SPECIFIED ANCHORS REQUIRED.
- E. ALL DESIGN LOADS SHOWN IN APPROVAL ARE BASED ON ASD (ALLOWABLE STRESS DESIGN), TO GET ULTIMATE LOADS ASD LOADS NEED TO BE MULTIPLIED BY A FACTOR MULTIPLIER OF 1.6
- F. FINAL PRODUCT NEED TO HAVE LABEL.
- G. THESE GLAZING PRODUCTS ARE RATED FOR SMALL MISSILE IMPACT (S.M.I.)
- H. ALL SITE SPECIFIC CONDITIONS IN ANY PROJECT NEEDS TO BE PROCURED BY A LICENSED REGISTERED ENGINEERED OR ARCHITECT.
- I. WHEN USING THIS PRODUCT, SHUTTERS ARE NOT NECESSARY.
- J. SHIMS THAT ARE USED WITH THIS SYSTEM NEED TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- K. THIS PRODUCT APPROVAL COMPLIES WITH ALL WATER INFILTRATION REQUIREMENTS FOR IMPACT AND HVHZ SYSTEMS
- L. MANUFACTURER NEEDS TO SHOW PRODUCT LABEL IN ALL MANUFACTURED SYSTEMS.

MAXIMUM DESIGN LOADS

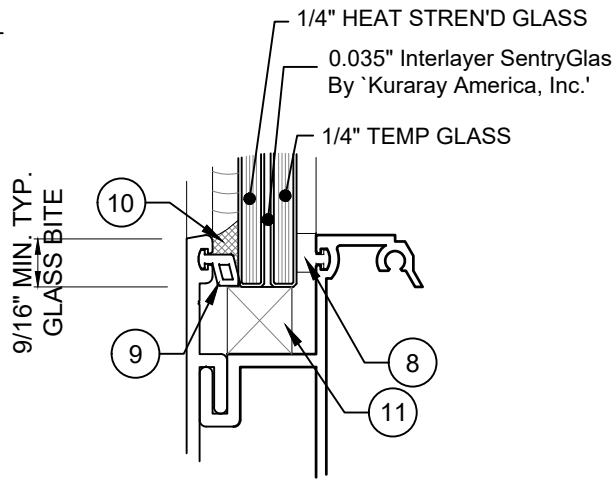
- A. SHEET 05 & 06 CONTAINS THE GLASS MAXIMUM ALLOWABLE DESIGN LOAD CAPACITY.
- B. SHEET 07 CONTAINS THE JAMB & MULLION MAXIMUM ALLOWABLE DESIGN LOAD CAPACITY.
- C. SHEET 08 & 09 CONTAINS THE ANCHORS MAXIMUM ALLOWABLE DESIGN LOAD CAPACITY.
- D. ANCHORS SPACING ARE SHOWN IN ALL GLAZING ELEVATIONS.
- E. ANCHOR TYPES ARE SHOWN ON SHEET 03. THIS SHEET SHOWS THE EDGE DISTANCE, EMBEDMENT, TYPE OF ANCHOR, AND ALL REQUIREMENTS ANCHORES NEED TO COMPLY WITH THESE SPECIFIATIONS



GA GLASS TYPE 'A' (S.M.I.)
9/16" NOMINAL OVERALL



GB GLASS TYPE 'B' (S.M.I.)
9/16" NOMINAL OVERALL

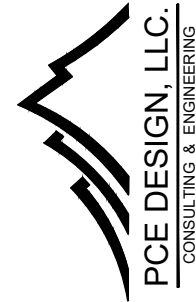


GC GLASS TYPE 'C' (S.M.I.)
9/16" NOMINAL OVERALL

GLASS CONFIGURATION FOR ALUMINUM WINDOW WALL SYSTEM
FOR DESIGN LOADS CAPACITIES SEE CHART 3

GLASS DESIGN NOTES

- A. ALL GLASS CAPACITIES ON THIS APPROVAL ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS)
- B. ALL GLASS SHOWN ON THIS APPROVAL HAS BEEN TESTED FOR LMI AND HVHZ REQUIREMENTS.
- C. ALL SETTING BLOCKS FOR THE GLASS TO BE LOCATED AT 25% OF THE SPAN WIDTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24
- D. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24
- E. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC.



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DRAWINGS NUMBER

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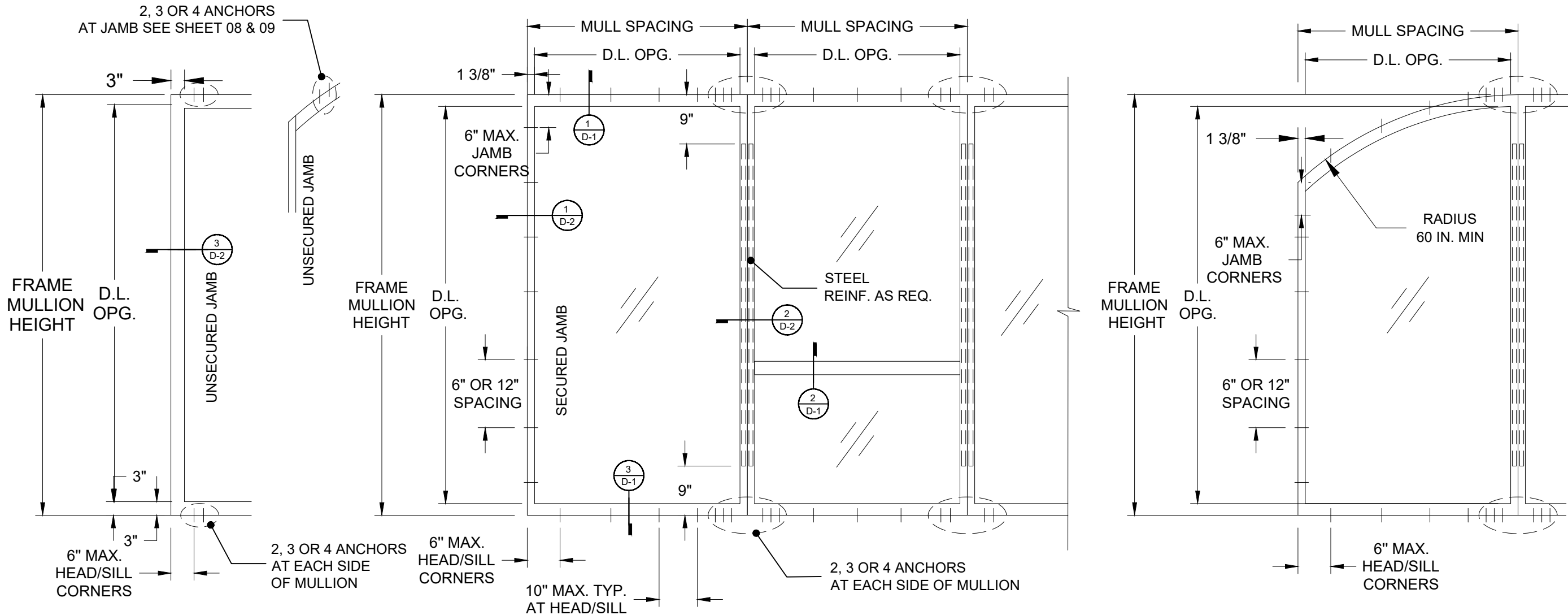
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Sheet No.

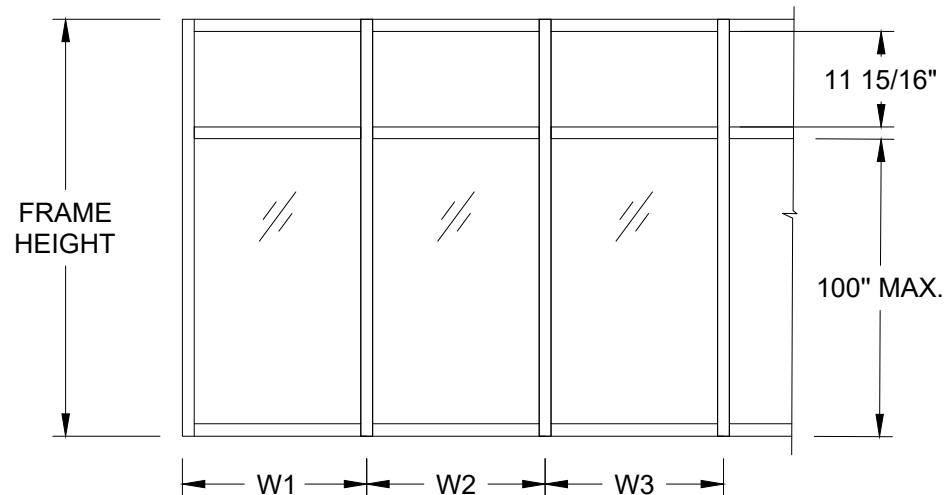
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01 OF 12

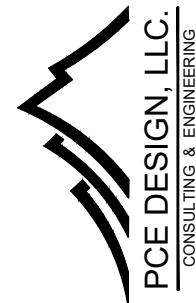
G-1



INTERMEDIATE HORIZONTALS



THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.



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DATE:

May 31st, 2024

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SM

Sheet No.

02 OF 12

SCALE

1/2" = 1'-0"

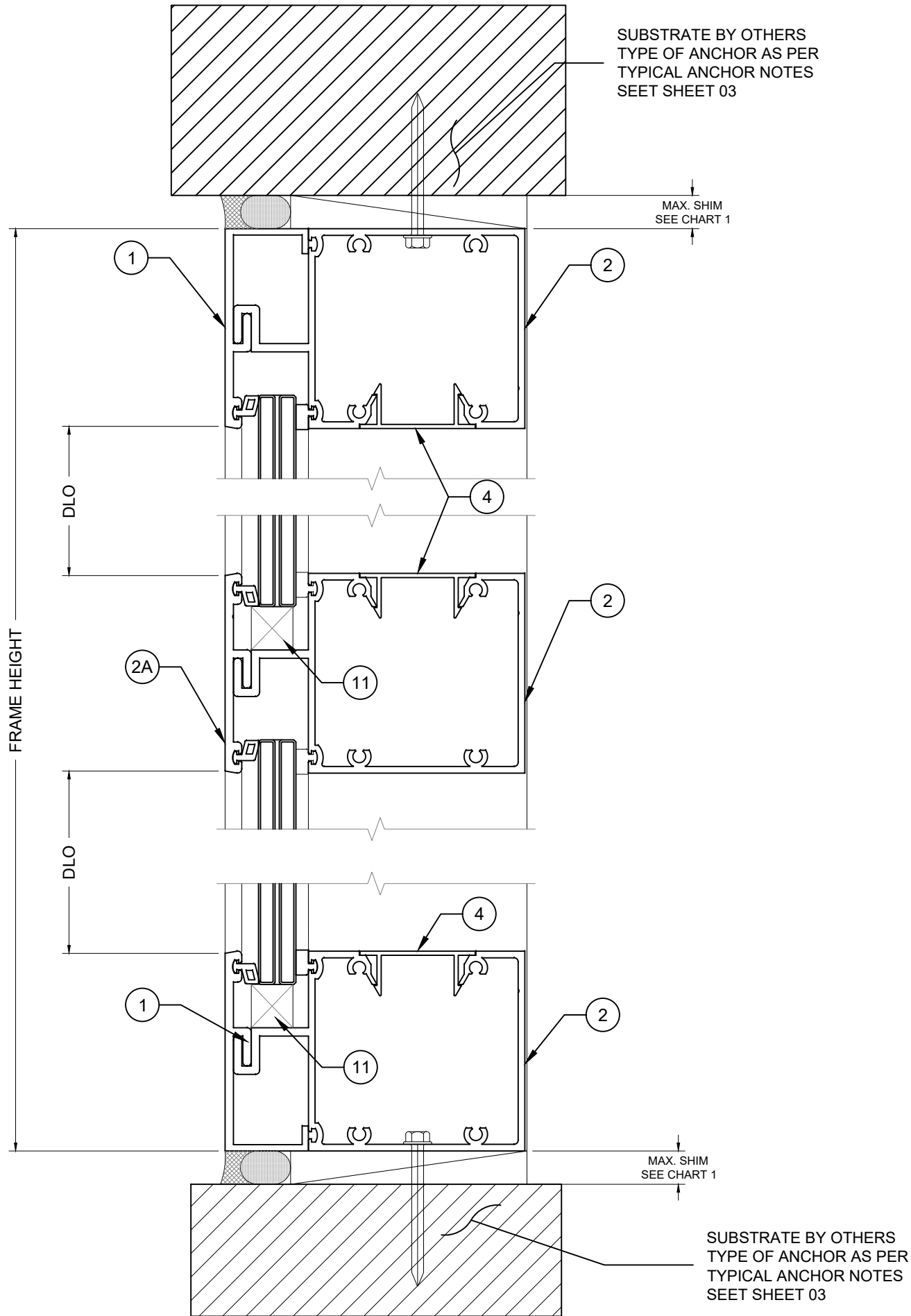
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WE-1

1
D-1

2
D-1

3
D-1



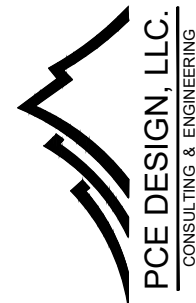
TYPICAL ANCHORS:

- TYPE 'A'- 1/4" DIA, KWIK-CON II+ BY 'HILTI'
DIRECTLY INTO CONCRETE OR BLOCKS:
2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
- TYPE 'B'- 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
INTO METAL STRUCTURE (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINIUM: 1/8" THK. MIN (6063-T5)
STEEL: 1/8" THK. MIN. (Fy=36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINIUM TO BE PLATED OR PAINTED
- CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO METAL STRUCTURE = 3/4"
- CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.

SUBSTRATE NOTES:

- SUBSTRATE IS BY ENGINEER OF RECORD (E.O.R.) OR ARCHITECT OF RECORD (A.O.R.)
- THIS GLAZING SYSTEM CAN IS APPROVED TO BE ANCHORED TO:
 - a. CONCRETE
 - b. METAL (STEEL / ALUMINUM)

SELANT:
ALL FRAMES CORNERS AND MULLIONS SEAMS
SEALED WITH SILICONE



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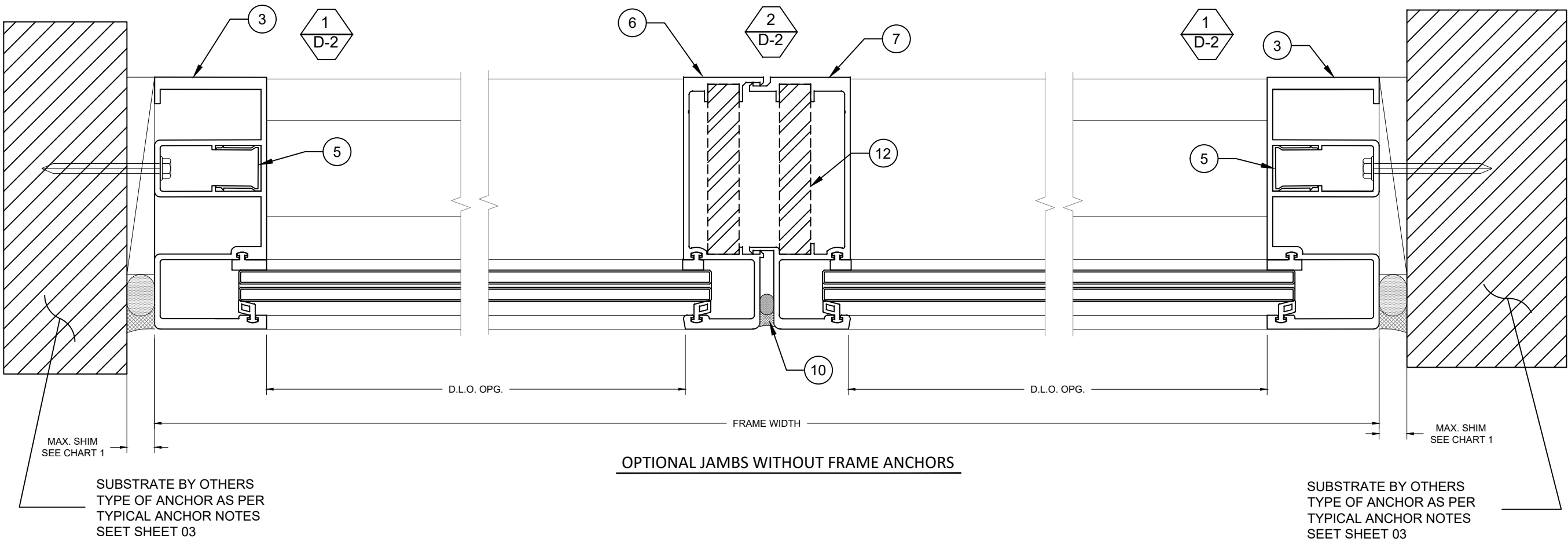
SCALE
6" = 1'-0"

Sheet No.

03 OF 12

SHEET NO.

D-1



OPTIONAL JAMBS WITHOUT FRAME ANCHORS

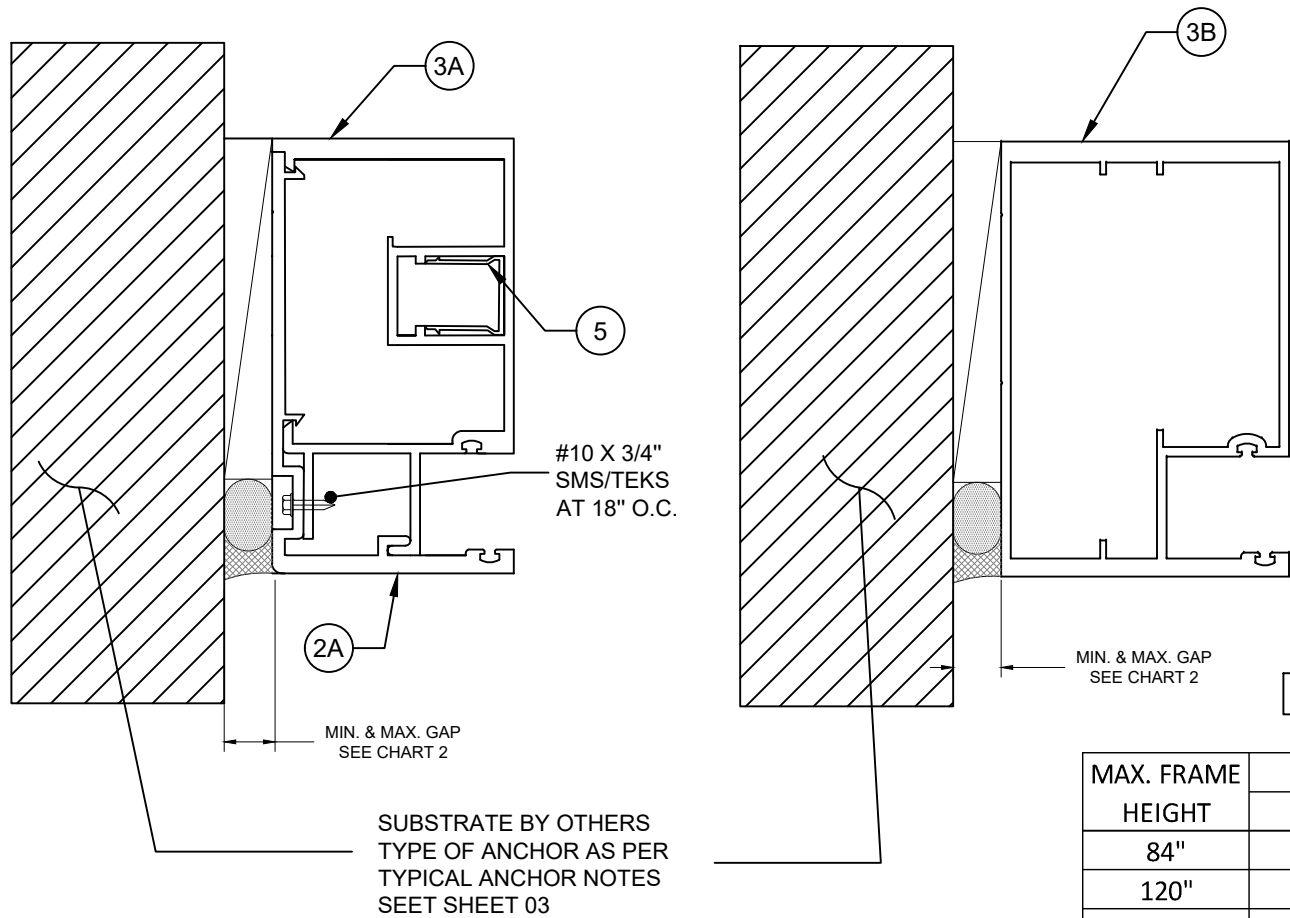
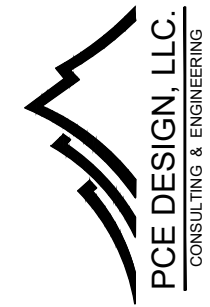
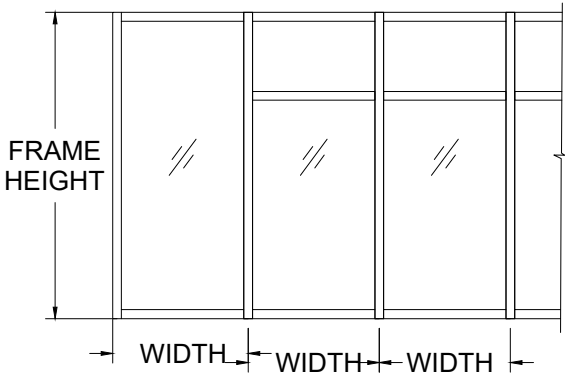


CHART 2

MAX. FRAME HEIGHT	GAP	
	MIN.	MA.
84"	1/4"	3/4"
120"	3/8"	3/4"
132"	1/2"	3/4"

CHART 1

JAMB ANCHOR LOAD CAPACITY - PSF									
WINDOW DIMS. WIDTH	ANCHOR TYPE 'A'			ANCHOR TYPE 'B'					
	AT 12" O.C.		AT 6" O.C.	AT 12" O.C.			AT 6" O.C.		
	3/8" SHIM	1/2" SHIM	1/2" SHIM	1/4" SHIM	3/8" SHIM	1/2" SHIM	1/4" SHIM	3/8" SHIM	1/2" SHIM
30"	130	130	130	130	130	117.4	130	130	130
36"	130	130	130	130	124.2	97.7	130	130	130
42"	130	113.4	130	130	106.5	83.7	130	130	130
48"	125.4	99.2	130	130	93.2	73.4	130	130	130
54"	111.2	88.1	130	130	82.7	65.2	130	130	130
60"	100.4	79.2	130	130	74.3	58.7	130	130	117.3
66"	91.2	72.1	130	130	67.6	53.3	130	130	106.7
72"	83.7	66.1	130	130	62.1	48.8	130	124.2	97.7



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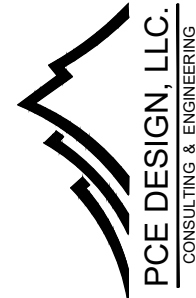
DRAWN BY SM	SCALE 6" = 1'-0"
Sheet No. 04 OF 12	SHEET NO. D-2

CHART 3

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT. (-)
24"	60"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		143.00	105.00	101.00
51"		143.00	105.00	101.00
54"		143.00	105.00	101.00
57"		143.00	105.00	101.00
60"		143.00	105.00	101.00
63"		143.00	105.00	101.00
66"		101.00	105.00	101.00
69"		101.00	105.00	101.00
72"		101.00	105.00	101.00
24"		63"	143.00	105.00
27"	143.00		105.00	101.00
30"	143.00		105.00	101.00
33"	143.00		105.00	101.00
36"	143.00		105.00	101.00
39"	143.00		105.00	101.00
42"	143.00		105.00	101.00
45"	143.00		105.00	101.00
48"	143.00		105.00	101.00
51"	143.00		105.00	101.00
54"	143.00		105.00	101.00
57"	143.00		105.00	101.00
60"	143.00		105.00	101.00
63"	101.00		105.00	101.00
66"	101.00		105.00	101.00
69"	101.00		105.00	101.00
72"	101.00		105.00	101.00
24"	66"		143.00	105.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		143.00	105.00	101.00
51"		143.00	105.00	101.00
54"		143.00	105.00	101.00
57"		143.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	105.00	101.00
66"		101.00	105.00	101.00
69"		101.00	105.00	101.00
72"		101.00	105.00	101.00

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT. (-)
24"	69"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		143.00	105.00	101.00
51"		143.00	105.00	101.00
54"		143.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	105.00	101.00
66"		101.00	105.00	101.00
69"		101.00	105.00	101.00
72"		101.00	105.00	101.00
24"		72"	143.00	105.00
27"	143.00		105.00	101.00
30"	143.00		105.00	101.00
33"	143.00		105.00	101.00
36"	143.00		105.00	101.00
39"	143.00		105.00	101.00
42"	143.00		105.00	101.00
45"	143.00		105.00	101.00
48"	143.00		105.00	101.00
51"	143.00		105.00	101.00
54"	101.00		105.00	101.00
57"	101.00		105.00	101.00
60"	101.00		105.00	101.00
63"	101.00		105.00	101.00
66"	101.00		105.00	101.00
69"	101.00		105.00	101.00
72"	101.00		X	X
24"	75"		143.00	105.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		143.00	105.00	101.00
51"		143.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	105.00	101.00
66"		101.00	105.00	101.00
69"		101.00	X	X
72"		101.00	X	X

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)
24"	78"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		143.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	105.00	101.00
66"		101.00	X	X
69"		101.00	X	X
72"	101.00	X	X	
24"	81"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	X	X
66"		101.00	X	X
69"		101.00	X	X
72"	101.00	X	X	
24"	84"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		143.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	105.00	101.00
63"		101.00	105.00	101.00
66"		101.00	X	X
69"		101.00	X	X
72"	101.00	X	X	



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DRAWINGS NUMBER

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REVISIONS:

No.	Date	Description

DATE:
May 31st, 2024

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SM

SCALE
NTS

Sheet No.

SHEET NO.

05 OF 12

D-3

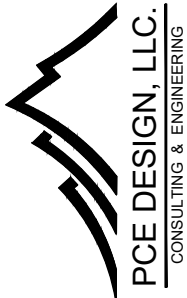
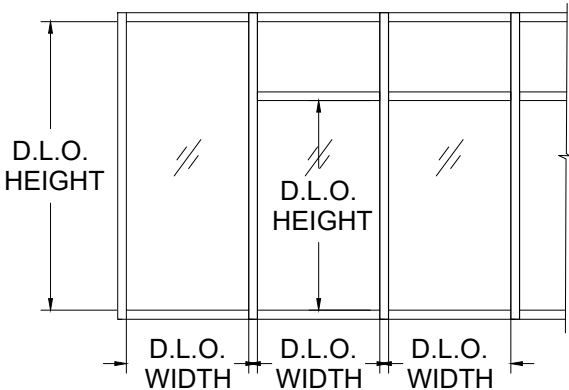
CHART 3

GLASS LOAD CAPACITY

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)
24"	87"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"	90"	101.00	X	X
63"		101.00	X	X
66"		101.00	X	X
69"		101.00	X	X
24"		143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		143.00	105.00	101.00
45"		101.00	105.00	101.00
48"	93"	101.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	105.00	101.00
57"		101.00	105.00	101.00
60"		101.00	X	X
63"		101.00	X	X
66"		101.00	X	X
69"		101.00	X	X
24"		143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"	96"	143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	105.00	101.00
54"		101.00	X	X
57"		101.00	X	X
60"		101.00	X	X
63"		101.00	X	X
66"		101.00	X	X

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)
24"	99"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		143.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	X	X
54"		101.00	X	X
57"		101.00	X	X
24"	102"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	X	X
54"		101.00	X	X
57"		101.00	X	X
24"	105"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		143.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	105.00	101.00
51"		101.00	X	X
54"		101.00	X	X
57"		101.00	X	X
24"	108"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		101.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	X	X
51"		101.00	X	X
54"		101.00	X	X
57"		101.00	X	X
24"	111"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		101.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	105.00	101.00
48"		101.00	X	X
51"		101.00	X	X
54"		101.00	X	X
57"		101.00	X	X

DESIGN LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)
24"	114"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		101.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	X	X
48"		101.00	X	X
51"		101.00	X	X
24"	117"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		143.00	105.00	101.00
36"		101.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	105.00	101.00
45"		101.00	X	X
48"		101.00	X	X
51"		101.00	X	X
24"	120"	143.00	105.00	101.00
27"		143.00	105.00	101.00
30"		143.00	105.00	101.00
33"		101.00	105.00	101.00
36"		101.00	105.00	101.00
39"		101.00	105.00	101.00
42"		101.00	X	101.00
45"		101.00	X	X
48"		101.00	X	X



6135 NW 167th St. STE E-1
Miami Gardends, FL 33015
Ph. (305) 698-0550

SERIES "FX 345"
ALUMINIUM WINDOW
WALL SYSTEM
SMALL MISSILE IMPACT (S.M.I.)

RC BES WINDOWS LLC

12900 NW 38th AVE.
OPA-LOCKA, FL 33054
Ph. 305-203-0780
Contact@BESmiami.com

DRAWINGS NUMBER

24-0197P.3

REVISIONS:

No.	Date	Description

DATE:

May 31st, 2024

DRAWN BY SM	SCALE NTS
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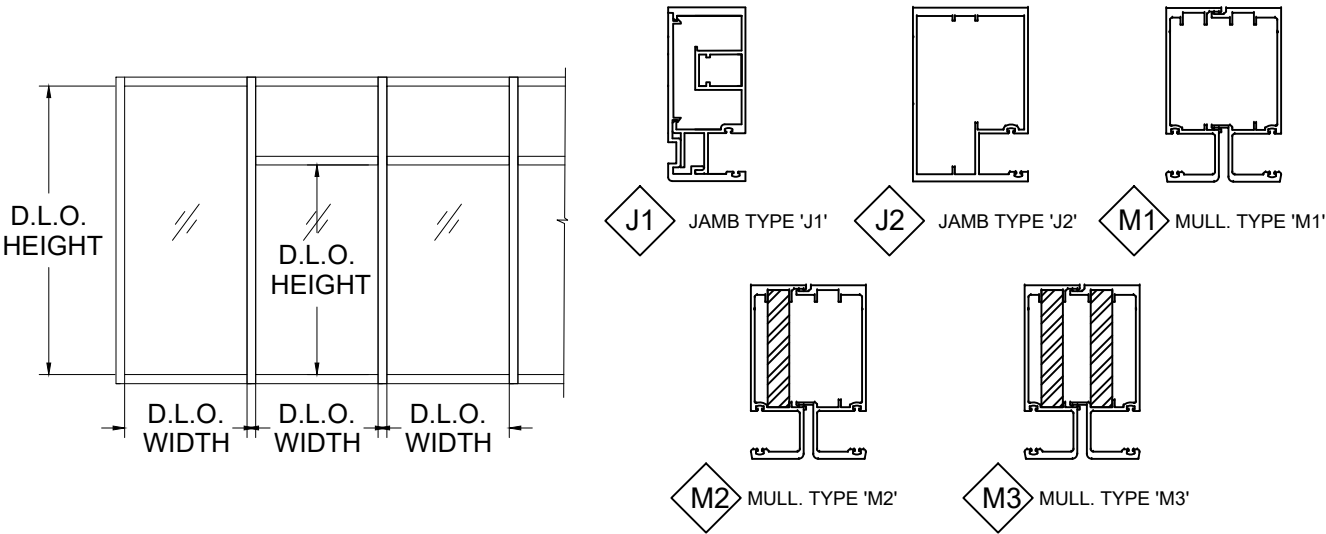
Sheet No. 06 OF 12	SHEET NO. D-4
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CHART 4

JAMB & MULLION LOAD CAPACITY

JUMB & MULLION DESIGN LOAD - PSF						
WINDOW DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'
WIDTH	FRAME HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)	INT (-)	INT (-)
30	60	130.00	120.00	120.00	130.00	130.00
36		130.00	120.00	120.00	130.00	130.00
42		130.00	120.00	120.00	130.00	130.00
48		130.00	120.00	120.00	130.00	130.00
54		130.00	120.00	120.00	130.00	130.00
60		130.00	120.00	120.00	130.00	130.00
66		130.00	120.00	120.00	130.00	130.00
72	66	130.00	120.00	120.00	130.00	130.00
30		130.00	120.00	120.00	130.00	130.00
36		130.00	120.00	120.00	130.00	130.00
42		130.00	120.00	120.00	130.00	130.00
48		130.00	120.00	120.00	130.00	130.00
54		127.46	120.00	120.00	130.00	130.00
60		114.71	120.00	120.00	130.00	130.00
66	72	104.29	120.00	120.00	130.00	130.00
72		95.60	120.00	120.00	130.00	130.00
30		130.00	120.00	120.00	130.00	130.00
36		130.00	120.00	120.00	130.00	130.00
42		130.00	120.00	120.00	130.00	130.00
48		130.00	120.00	120.00	130.00	130.00
54		130.00	120.00	120.00	130.00	130.00
60	78	130.00	120.00	120.00	130.00	130.00
66		130.00	120.00	120.00	130.00	130.00
72		130.00	120.00	120.00	130.00	130.00
30		130.00	120.00	120.00	130.00	130.00
36		130.00	120.00	120.00	130.00	130.00
42		130.00	120.00	120.00	130.00	130.00
48		130.00	120.00	120.00	130.00	130.00
54	84	130.00	120.00	120.00	130.00	130.00
60		130.00	120.00	120.00	130.00	130.00
66		130.00	120.00	113.07	130.00	130.00
72		130.00	120.00	-	130.00	130.00
30		130.00	120.00	120.00	130.00	130.00
36		130.00	120.00	120.00	130.00	130.00
42		130.00	120.00	120.00	130.00	130.00
48	90	130.00	120.00	120.00	130.00	130.00
54		130.00	120.00	119.16	130.00	130.00
60		130.00	120.00	107.25	130.00	130.00
66		128.58	120.00	97.50	122.82	130.00
72		117.87	120.00	-	-	-
30		130.00	101.00	120.00	130.00	130.00
36		130.00	101.00	120.00	130.00	130.00
42	96	130.00	101.00	120.00	130.00	130.00
48		130.00	101.00	116.78	130.00	130.00
54		130.00	101.00	103.80	130.00	130.00
60		123.21	101.00	93.42	117.69	130.00
66		112.01	-	-	-	130.00
72		102.68	-	-	-	-

JUMB & MULLION DESIGN LOAD - PSF						
WINDOW DIMS.		JAMB TYPE 'J1'	JAMB TYPE 'J2'	MULL TYPE 'M1'	MULL TYPE 'M2'	MULL TYPE 'M3'
WIDTH	FRAME HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)	EXT. (+)
		INT. (-)	INT. (-)	INT (-)	INT (-)	INT (-)
30	96	130.00	101.00	120.00	130.00	130.00
36		130.00	101.00	120.00	130.00	130.00
42		130.00	101.00	111.39	130.00	130.00
48		130.00	101.00	97.46	129.30	130.00
54		120.32	101.00	86.63	114.93	130.00
60		108.29	101.00	-	103.44	130.00
66		98.45	-	-	-	-
72	102	90.24	-	-	-	-
30		130.00	101.00	120.00	130.00	130.00
36		130.00	101.00	108.34	130.00	130.00
42		130.00	101.00	92.86	130.00	130.00
48		119.91	101.00	81.26	114.54	130.00
54		106.58	101.00	72.23	101.81	130.00
60		95.93	-	-	-	-
66	108	87.20	-	-	-	-
30		130.00	101.00	109.52	130.00	130.00
36		130.00	101.00	91.27	130.00	130.00
42		122.23	101.00	78.23	116.12	130.00
48		106.95	101.00	68.45	101.60	130.00
54		95.07	101.00	-	-	130.00
60		85.56	-	-	-	-
30	114	130.00	101.00	93.12	130.00	130.00
36		127.99	101.00	77.60	115.19	130.00
42		109.70	101.00	66.52	98.73	130.00
48		95.99	101.00	58.20	86.39	130.00
54		85.33	-	-	-	-
60		76.79	-	-	-	-
30	120	130.00	101.00	79.84	118.51	130.00
36		113.72	101.00	66.54	98.76	130.00
42		97.47	101.00	57.03	84.65	130.00
48		85.29	101.00	-	74.07	130.00
54		75.81	-	-	-	-
30	126	117.88	100.00	68.97	102.37	130.00
36		98.23	100.00	57.48	85.31	130.00
42		84.20	100.00	49.26	73.12	130.00
48		73.68	-	-	-	130.00
54		65.49	-	-	-	-



THIS CHART WORKS WITH AND WITHOUT INTERMEDIATE HORIZONTALS



6135 NW 167th St. STE E-1
Miami Gardends, FL 33015
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SERIES "FX 345"
ALUMINIUM WINDOW
WALL SYSTEM
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RC BES WINDOWS LLC
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OPA-LOCKA, FL 33054
Ph. 305-203-0780
Contact@BESmiami.com

DRAWINGS NUMBER
24-0197P.3

REVISIONS:

No.	Date	Description

DATE:
May 31st, 2024

DRAWN BY
SM

SCALE
NTS

Sheet No.

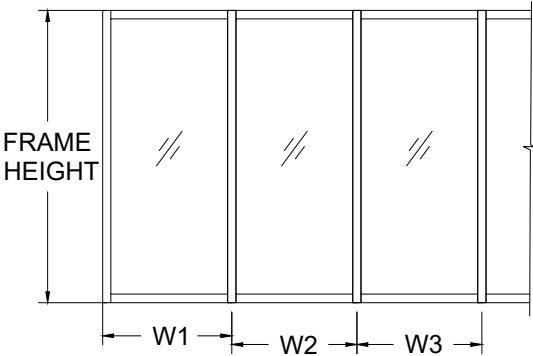
SHEET NO.

07 OF 12

D-5

ANCHOR LOAD CAPACITY

ANCHOR LOAD CAPACITY - PSF									
EXT. (+) & INT. (-)									
WINDOW DIMS.		ANCHORS TYPE 'A'							
WIDTH	FRAME HEIGHT	1/4" MAX. SHIM		3/8" MAX. SHIM			1/2" MAX. SHIM		
		A2	A3	A2	A3	A4	A2	A3	A4
30"	60"	130.00	130.00	130.00	130.00	130.00	126.84	130.00	130.00
36"		130.00	130.00	130.00	130.00	130.00	105.70	130.00	130.00
42"		130.00	130.00	113.48	130.00	130.00	90.60	130.00	130.00
48"		130.00	130.00	99.30	130.00	130.00	79.27	118.91	130.00
54"		118.10	130.00	88.27	130.00	130.00	70.47	105.70	130.00
60"		106.29	130.00	79.44	119.16	130.00	63.42	95.13	126.84
66"		96.62	130.00	72.22	108.33	130.00	57.65	86.48	115.31
72"	66"	88.57	130.00	66.20	99.30	130.00	52.85	79.27	105.70
30"		130.00	130.00	130.00	130.00	130.00	115.31	130.00	130.00
36"		130.00	130.00	120.36	130.00	130.00	96.09	130.00	130.00
42"		130.00	130.00	103.17	130.00	130.00	82.36	123.54	130.00
48"		120.78	130.00	90.27	130.00	130.00	72.07	108.10	130.00
54"		107.36	130.00	80.24	120.36	130.00	64.06	96.09	128.12
60"		96.62	130.00	72.22	108.33	130.00	57.65	86.48	115.31
66"	72"	87.84	130.00	65.65	98.48	130.00	52.41	78.62	104.83
72"		80.52	120.78	60.18	90.27	120.36	48.05	72.07	96.09
30"		130.00	130.00	130.00	130.00	130.00	105.70	130.00	130.00
36"		130.00	130.00	110.33	130.00	130.00	88.08	130.00	130.00
42"		126.53	130.00	94.57	130.00	130.00	75.50	113.25	130.00
48"		110.71	130.00	82.75	124.12	130.00	66.06	99.09	130.00
54"		98.41	130.00	73.55	110.33	130.00	58.72	88.08	117.44
60"	78"	88.57	130.00	66.20	99.30	130.00	52.85	79.27	105.70
66"		80.52	120.78	60.18	90.27	120.36	48.05	72.07	96.09
72"		73.81	110.71	55.17	82.75	110.33	44.04	66.06	88.08
30"		130.00	130.00	122.21	130.00	130.00	97.57	130.00	130.00
36"		130.00	130.00	101.85	130.00	130.00	81.31	121.96	130.00
42"		116.80	130.00	87.30	130.00	130.00	69.69	104.54	130.00
48"		102.20	130.00	76.38	114.58	130.00	60.98	91.47	121.96
54"	90"	90.84	130.00	67.90	101.85	130.00	54.20	81.31	108.41
60"		81.76	122.64	61.11	91.66	122.21	48.78	73.18	97.57
66"		74.33	111.49	55.55	83.33	111.10	44.35	66.52	88.70
72"		68.13	102.20	50.92	76.38	101.85	40.65	60.98	81.31
30"		130.00	130.00	113.48	130.00	130.00	90.60	130.00	130.00
36"		126.53	130.00	94.57	130.00	130.00	75.50	113.25	130.00
42"		108.46	130.00	81.06	121.59	130.00	64.71	97.07	129.43
48"	84"	94.90	130.00	70.93	106.39	130.00	56.62	84.94	113.25
54"		84.35	126.53	63.05	94.57	126.09	50.33	75.50	100.67
60"		75.92	113.88	56.74	85.11	113.48	45.30	67.95	90.60
66"		69.02	103.53	51.58	77.38	103.17	41.18	61.77	82.36
72"		63.27	94.90	47.29	70.93	94.57	37.75	56.62	75.50
30"		130.00	130.00	105.92	130.00	130.00	84.56	126.84	130.00
36"		118.10	130.00	88.27	130.00	130.00	70.47	105.70	130.00
42"	90"	101.23	130.00	75.66	113.48	130.00	60.40	90.60	120.80
48"		88.57	130.00	66.20	99.30	130.00	52.85	79.27	105.70
54"		78.73	118.10	58.84	88.27	117.69	46.98	70.47	93.96
60"		70.86	106.29	52.96	79.44	105.92	42.28	63.42	84.56
66"		64.42	96.62	48.14	72.22	96.29	38.44	57.65	76.87
72"		59.05	88.57	44.13	66.20	88.27	35.23	52.85	70.47



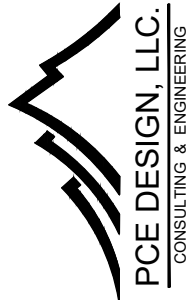
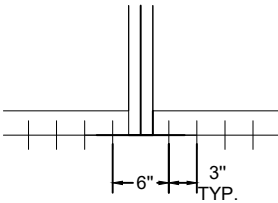
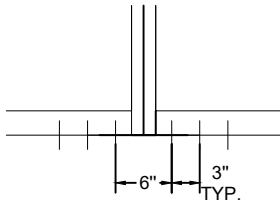
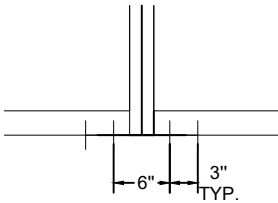
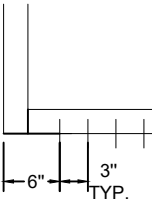
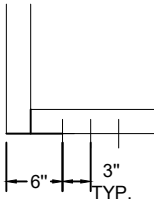
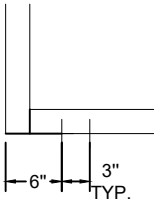
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AT FRAME JAMB

WIDTH= (W2+W3) /2
AT FRAME MULLION

ANCHOR TYPES

- A2 (2) ANCHOR TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
A3 (3) ANCHOR TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
A4 (4) ANCHOR TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

ANCHOR LOAD CAPACITY - PSF									
EXT. (+) & INT. (-)									
WINDOW DIMS.		ANCHORS TYPE 'A'							
WIDTH	FRAME HEIGHT	1/4" MAX. SHIM		3/8" MAX. SHIM			1/2" MAX. SHIM		
		A2	A3	A2	A3	A4	A2	A3	A4
30"	96"	130.00	130.00	99.30	130.00	130.00	79.27	118.91	130.00
36"		110.71	130.00	82.75	124.12	130.00	66.06	99.09	130.00
42"		94.90	130.00	70.93	106.39	130.00	56.62	84.94	113.25
48"		83.04	124.55	62.06	93.09	124.12	49.55	74.32	99.09
54"		73.81	110.71	55.17	82.75	110.33	44.04	66.06	88.08
60"		66.43	99.64	49.65	74.47	99.30	39.64	59.46	79.27
66"		60.39	90.58	45.14	67.70	90.27	36.03	54.05	72.07
72"	102"	55.36	83.04	41.37	62.06	82.75	33.03	49.55	66.06
30"		125.04	130.00	93.46	130.00	130.00	74.61	111.92	130.00
36"		104.20	130.00	77.88	116.82	130.00	62.18	93.26	124.35
42"		89.32	130.00	66.76	100.13	130.00	53.29	79.94	106.59
48"		78.15	117.23	58.41	87.62	116.82	46.63	69.95	93.26
54"		69.47	104.20	51.92	77.88	103.84	41.45	62.18	82.90
60"		62.52	93.78	46.73	70.09	93.46	37.31	55.96	74.61
66"	108"	56.84	85.26	42.48	63.72	84.96	33.91	50.87	67.83
30"		118.10	130.00	88.27	130.00	130.00	70.47	105.70	130.00
36"		98.41	130.00	73.55	110.33	130.00	58.72	88.08	117.44
42"		84.35	126.53	63.05	94.57	126.09	50.33	75.50	100.67
48"		73.81	110.71	55.17	82.75	110.33	44.04	66.06	88.08
54"		65.61	98.41	49.04	73.55	98.07	39.15	58.72	78.30
60"		59.05	88.57	44.13	66.20	88.27	35.23	52.85	70.47
30"	114"	111.88	130.00	83.62	125.43	130.00	66.76	100.14	130.00
36"		93.23	130.00	69.68	104.53	130.00	55.63	83.45	111.26
42"		79.91	119.87	59.73	89.59	119.46	47.68	71.53	95.37
48"		69.93	104.89	52.26	78.39	104.53	41.72	62.59	83.45
54"		62.16	93.23	46.46	69.68	92.91	37.09	55.63	74.18
60"		55.94	83.91	41.81	62.72	83.62	33.38	50.07	66.76
30"	120"	106.29	130.00	79.44	119.16	130.00	63.42	95.13	126.84
36"		88.57	130.00	66.20	99.30	130.00	52.85	79.27	105.70
42"		75.92	113.88	56.74	85.11	113.48	45.30	67.95	90.60
48"		66.43	99.64	49.65	74.47	99.30	39.64	59.46	79.27
54"		59.05	88.57	44.13	66.20	88.27	35.23	52.85	70.47
30"	126"	101.23	130.00	75.66	113.48	130.00	60.40	90.60	120.80
36"		84.35	126.53	63.05	94.57	126.09	50.33	75.50	100.67
42"		72.30	108.46	54.04	81.06	108.08	43.14	64.71	86.29
48"		63.27	94.90	47.29	70.93	94.57	37.75	56.62	75.50
54"		56.24	84.35	42.03	63.05	84.06	33.56	50.33	67.11



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DRAWINGS NUMBER

24-0197P.3

REVISIONS:

No.	Date	Description

DATE:
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Sheet No.

SHEET NO.

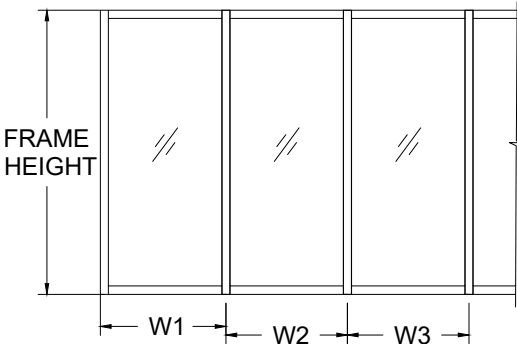
08 OF 12

D-6

CHART 5

ANCHOR LOAD CAPACITY

ANCHOR LOAD CAPACITY - PSF									
EXT. (+) & INT. (-)									
WINDOW DIMS.		ANCHORS TYPE 'B'							
WIDTH	FRAME HEIGHT	1/4" MAX. SHIM		3/8" MAX. SHIM			1/2" MAX. SHIM		
		B2	B3	B2	B3	B4	B2	B3	B4
30"	60"	120.00	120.00	116.86	120.00	120.00	93.29	120.00	120.00
36"		120.00	120.00	97.38	120.00	120.00	77.74	116.61	120.00
42"		111.68	120.00	83.47	120.00	120.00	66.64	99.95	120.00
48"		97.72	120.00	73.04	109.55	120.00	58.31	87.46	116.61
54"		86.86	120.00	64.92	97.38	120.00	51.83	77.74	103.66
60"		78.17	117.26	58.43	87.64	116.86	46.65	69.97	93.29
66"		71.07	106.60	53.12	79.67	106.23	42.41	63.61	84.81
72"		65.15	97.72	48.69	73.04	97.38	38.87	58.31	77.74
30"	66"	120.00	120.00	106.23	120.00	120.00	84.81	120.00	120.00
36"		118.45	120.00	88.53	120.00	120.00	70.68	106.01	120.00
42"		101.53	120.00	75.88	113.82	120.00	60.58	90.87	120.00
48"		88.83	120.00	66.40	99.59	120.00	53.01	79.51	106.01
54"		78.96	118.45	59.02	88.53	118.04	47.12	70.68	94.23
60"		71.07	106.60	53.12	79.67	106.23	42.41	63.61	84.81
66"		64.61	96.91	48.29	72.43	96.58	38.55	57.83	77.10
72"		59.22	88.83	44.26	66.40	88.53	35.34	53.01	70.68
30"	72"	120.00	120.00	97.38	120.00	120.00	77.74	116.61	120.00
36"		108.58	120.00	81.15	120.00	120.00	64.79	97.18	120.00
42"		93.06	120.00	69.56	104.34	120.00	55.53	83.30	111.06
48"		81.43	120.00	60.86	91.29	120.00	48.59	72.88	97.18
54"		72.38	108.58	54.10	81.15	108.20	43.19	64.79	86.38
60"		65.15	97.72	48.69	73.04	97.38	38.87	58.31	77.74
66"		59.22	88.83	44.26	66.40	88.53	35.34	53.01	70.68
72"		54.29	81.43	40.58	60.86	81.15	32.39	48.59	64.79
30"	78"	120.00	120.00	89.89	120.00	120.00	71.76	107.64	120.00
36"		100.22	120.00	74.91	112.36	120.00	59.80	89.70	119.60
42"		85.91	120.00	64.21	96.31	120.00	51.26	76.89	102.52
48"		75.17	112.75	56.18	84.27	112.36	44.85	67.28	89.70
54"		66.82	100.22	49.94	74.91	99.88	39.87	59.80	79.74
60"		60.13	90.20	44.94	67.42	89.89	35.88	53.82	71.76
66"		54.67	82.00	40.86	61.29	81.72	32.62	48.93	65.24
72"		50.11	75.17	37.45	56.18	74.91	29.90	44.85	59.80
30"	84"	111.68	120.00	83.47	120.00	120.00	66.64	99.95	120.00
36"		93.06	120.00	69.56	104.34	120.00	55.53	83.30	111.06
42"		79.77	119.65	59.62	89.43	119.24	47.60	71.40	95.20
48"		69.80	104.70	52.17	78.25	104.34	41.65	62.47	83.30
54"		62.04	93.06	46.37	69.56	92.74	37.02	55.53	74.04
60"		55.84	83.76	41.73	62.60	83.47	33.32	49.98	66.64
66"		50.76	76.14	37.94	56.91	75.88	30.29	45.43	60.58
72"		46.53	69.80	34.78	52.17	69.56	27.77	41.65	55.53
30"	90"	104.23	120.00	77.90	116.86	120.00	62.19	93.29	120.00
36"		86.86	120.00	64.92	97.38	120.00	51.83	77.74	103.66
42"		74.45	111.68	55.65	83.47	111.29	44.42	66.64	88.85
48"		65.15	97.72	48.69	73.04	97.38	38.87	58.31	77.74
54"		57.91	86.86	43.28	64.92	86.56	34.55	51.83	69.10
60"		52.12	78.17	38.95	58.43	77.90	31.10	46.65	62.19
66"		47.38	71.07	35.41	53.12	70.82	28.27	42.41	56.54
72"		43.43	65.15	32.46	48.69	64.92	25.91	38.87	51.83

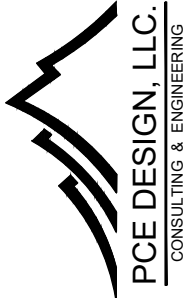
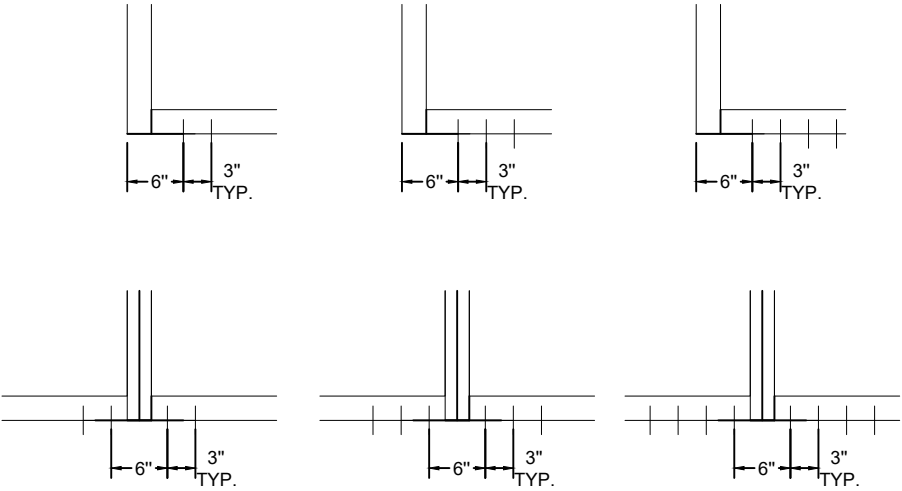


WIDTH= W1
AT FRAME JAMB

WIDTH= (W2+W3) /2
AT FRAME MULLION

- ANCHOR TYPES
- B2 (2) ANCHOR TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
 - B3 (3) ANCHOR TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
 - B4 (4) ANCHOR TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

ANCHOR LOAD CAPACITY - PSF									
EXT. (+) & INT. (-)									
WINDOW DIMS.		ANCHORS TYPE 'B'							
WIDTH	FRAME HEIGHT	1/4" MAX. SHIM		3/8" MAX. SHIM			1/2" MAX. SHIM		
		B2	B3	B2	B3	B4	B2	B3	B4
30"	96"	97.72	120.00	73.04	109.55	120.00	58.31	87.46	116.61
36"		81.43	120.00	60.86	91.29	120.00	48.59	72.88	97.18
42"		69.80	104.70	52.17	78.25	104.34	41.65	62.47	83.30
48"		61.07	91.61	45.65	68.47	91.29	36.44	54.66	72.88
54"		54.29	81.43	40.58	60.86	81.15	32.39	48.59	64.79
60"		48.86	73.29	36.52	54.78	73.04	29.15	43.73	58.31
66"		44.42	66.63	33.20	49.80	66.40	26.50	39.75	53.01
72"		40.72	61.07	30.43	45.65	60.86	24.29	36.44	48.59
30"	102"	91.97	120.00	68.74	103.11	120.00	54.88	82.32	109.75
36"		76.64	114.96	57.28	85.92	114.56	45.73	68.60	91.46
42"		65.69	98.54	49.10	73.65	98.20	39.20	58.80	78.40
48"		57.48	86.22	42.96	64.44	85.92	34.30	51.45	68.60
54"		51.09	76.64	38.19	57.28	76.38	30.49	45.73	60.97
60"		45.98	68.98	34.37	51.55	68.74	27.44	41.16	54.88
66"		41.80	62.71	31.24	46.87	62.49	24.94	37.42	49.89
30"	108"	86.86	120.00	64.92	97.38	120.00	51.83	77.74	103.66
36"		72.38	108.58	54.10	81.15	108.20	43.19	64.79	86.38
42"		62.04	93.06	46.37	69.56	92.74	37.02	55.53	74.04
48"		54.29	81.43	40.58	60.86	81.15	32.39	48.59	64.79
54"		48.26	72.38	36.07	54.10	72.13	28.79	43.19	57.59
60"		43.43	65.15	32.46	48.69	64.92	25.91	38.87	51.83
30"	114"	82.29	120.00	61.50	92.25	120.00	49.10	73.65	98.20
36"		68.57	102.86	51.25	76.88	102.51	40.92	61.38	81.83
42"		58.78	88.17	43.93	65.90	87.86	35.07	52.61	70.14
48"		51.43	77.15	38.44	57.66	76.88	30.69	46.03	61.38
54"		45.72	68.57	34.17	51.25	68.34	27.28	40.92	54.56
60"		41.14	61.72	30.75	46.13	61.50	24.55	36.83	49.10
30"	120"	78.17	117.26	58.43	87.64	116.86	46.65	69.97	93.29
36"		65.15	97.72	48.69	73.04	97.38	38.87	58.31	77.74
42"		55.84	83.76	41.73	62.60	83.47	33.32	49.98	66.64
48"		48.86	73.29	36.52	54.78	73.04	29.15	43.73	58.31
54"		43.43	65.15	32.46	48.69	64.92	25.91	38.87	51.83
30"	126"	74.45	111.68	55.65	83.47	111.29	44.42	66.64	88.85
36"		62.04	93.06	46.37	69.56	92.74	37.02	55.53	74.04
42"		53.18	79.77	39.75	59.62	79.49	31.73	47.60	63.46
48"		46.53	69.80	34.78	52.17	69.56	27.77	41.65	55.53
54"		41.36	62.04	30.91	46.37	61.83	24.68	37.02	49.36



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SERIES "FX 345"
ALUMINIUM WINDOW
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SMALL MISSILE IMPACT (S.M.I.)

RC BES WINDOWS LLC
12900 NW 38th AVE.
OPA-LOCKA, FL 33054
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Contact@BESmiami.com

DRAWINGS NUMBER

24-0197P.3

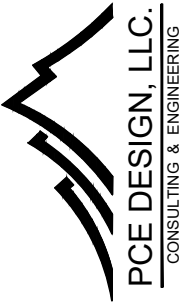
REVISIONS:

No.	Date	Description

DATE:
May 31st, 2024

DRAWN BY SM	SCALE NTS
Sheet No. 09 OF 12	SHEET NO. D-7

ITEM	PART No	DESCRIPCION	MATERIAL
1	1	GLAZING RETAINER HEAD/SILL	6063-T6
2	2	FRAME HEAD	6063-T6
3	2A	GLAZING RETAINER HORIZONTAL	6063-T6
4	2B	GLAZING RETAINER JAMB	6063-T6
5	3	FRAME JAMB	6063-T6
6	3A	ALT. FRAME JAMB 1	6063-T6
7	3B	ALT. FRAME JAMB 2	6063-T6
8	4	SNAP-IN COVER HEAD/SILL	6063-T6
9	5	SNAP-IN COVER JAMB	6063-T6
10	6	FEMALE MULLION	6063-T6
11	7	MALE MULLION	6063-T6
12	8	GLAZING GASKET	VINYL
13	9	BULB WEATHERSTRIPPING	VINYL
14	10	SEALANT DOWSIL 795 OR EQUAV.	SILICONE
15	11	SETTING BLOCKS (3/4" x 5/8" x 3-1/4")	EPDM
16	12	REINFORCING BAR (1/2" x 3" x 90")	STEEL A36
17	13	FRAME ASSEMBLY SCREWS	-



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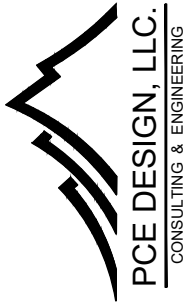
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SM

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Sheet No.
10 OF 12

SHEET NO.
D-8

DOOR EXTRUSIONS



6135 NW 167th St. STE E-1
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SM

SCALE
6" = 1'-0"

Sheet No.

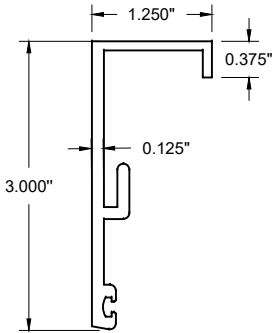
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11 OF 12

E-1

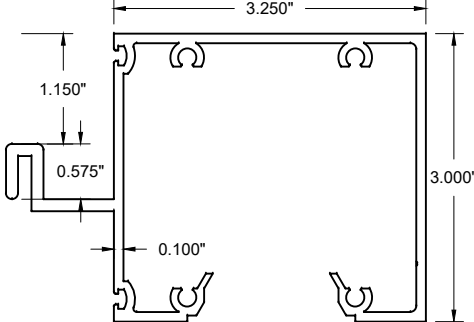
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GLAZING RETAINER HEAD/SILL



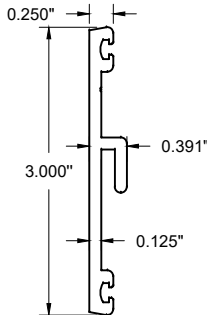
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FRAME HEAD



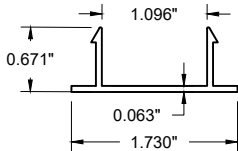
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GLAZING RETAINER HORIZONTAL



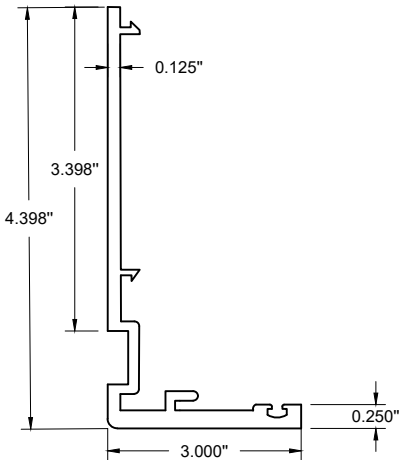
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SNAP-IN COVER HEAD/SILL



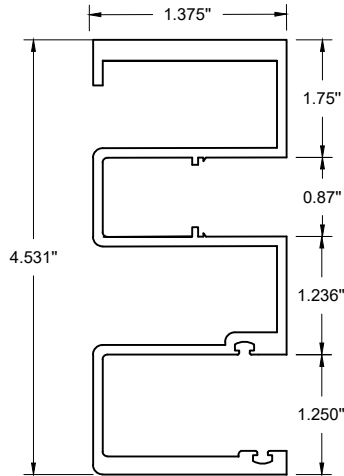
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GLAZING RETAINER JAMB



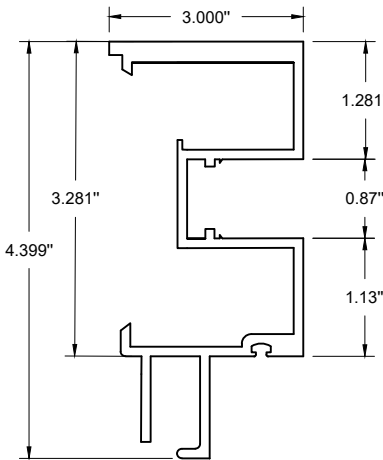
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FRAME JAMB



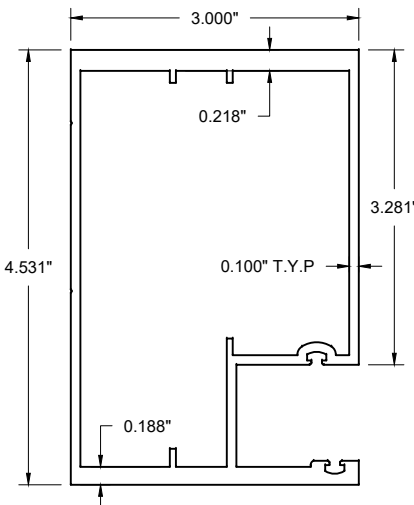
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ALT. FRAME JAMB 1



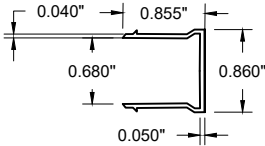
3B

ALT. FRAME JAMB 2



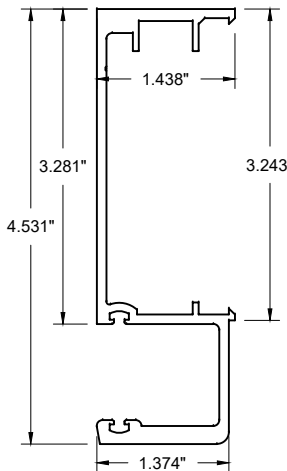
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SNAP-IN COVER JAMB



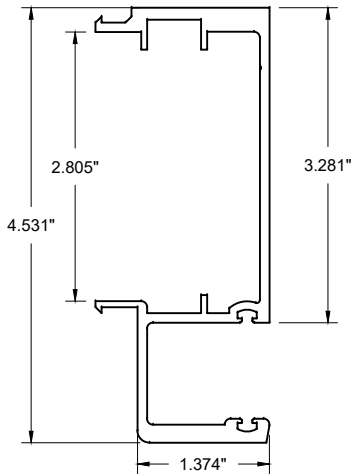
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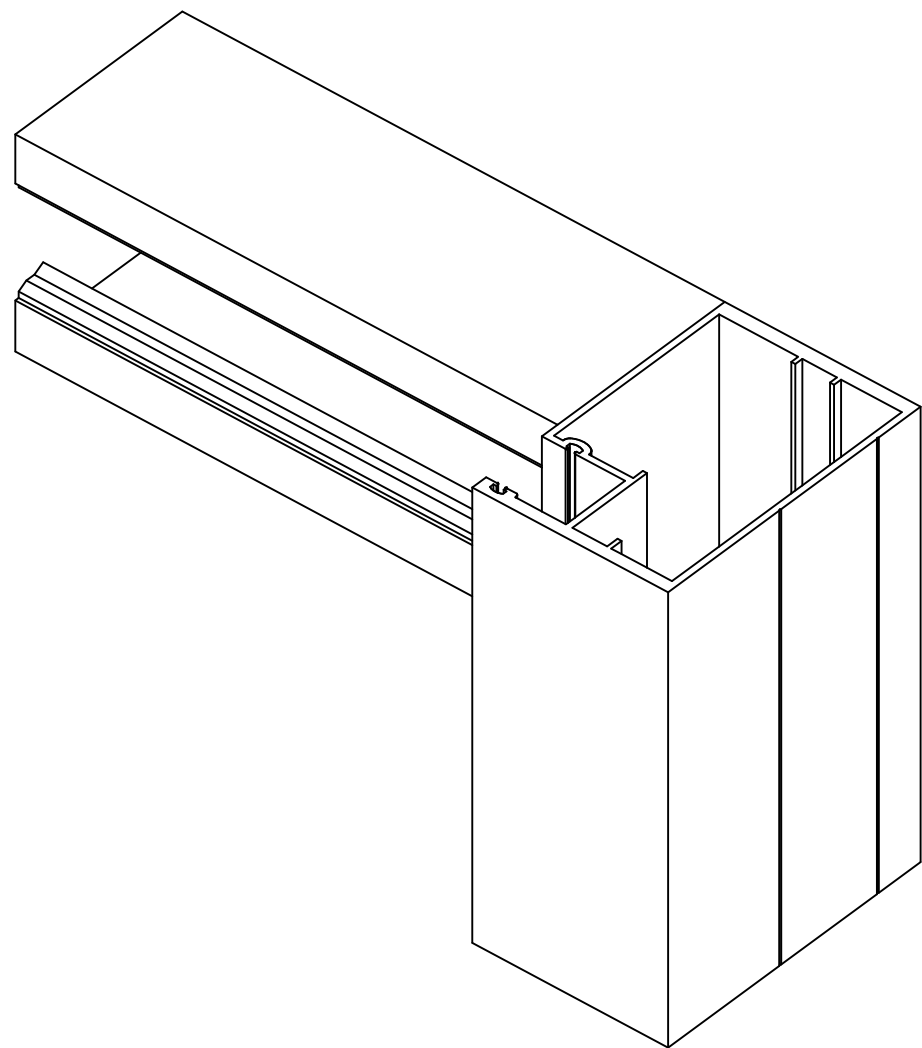
FEMALE MULLION



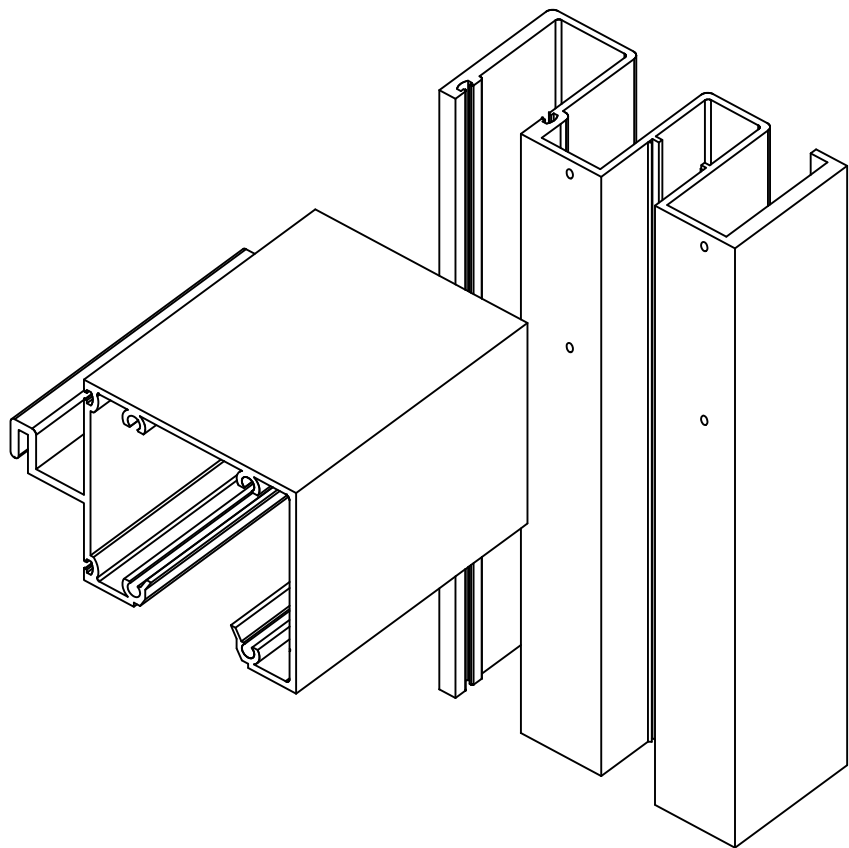
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MALE MULLION

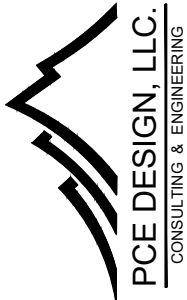




RADIUS CORNER DETAIL



FRAME CORNER DETAIL



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Sheet No. 12 OF 12	SHEET NO. E-2