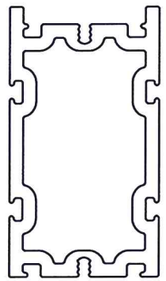
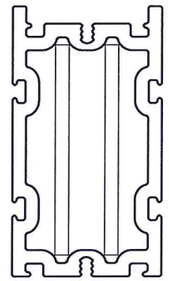
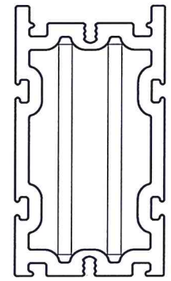
4100 / 4150 / 4160 / 4175
Extruded Aluminum Horizontal & Vertical Clipped Structural Mullions



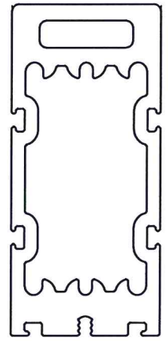
4100 Mullion



4150 Mullion
(Aluminum Reinforced)



4160 Mullion
(Steel Reinforced)



4175 Mullion

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements, excluding the "High Velocity Hurricane Zone".

2. When used in areas requiring wind borne debris protection, this product (if mulled together with impact rated windows) does not require protection from an impact resistant covering when used in Wind Zones 1, 2 and 3 as defined by ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.

3. In Wind Zone 4 as defined by ASTM E 1996, this product must be protected with an impact resistant covering complying with FBC Sections 1609.1.2 & R301.2.1.2.

4. Separate product approvals for each glazing product used with these mullions must be submitted along with this mullion product approval. The design pressure rating of the assembly shall be the lesser of the load capacity of the mullion as specified using this approval or the design pressure rating of the individual glazing products used.

5. Anchoring of each glazing product to the mullion shall be as shown in this drawing or as shown in each individual glazing product approval, whichever is more stringent.

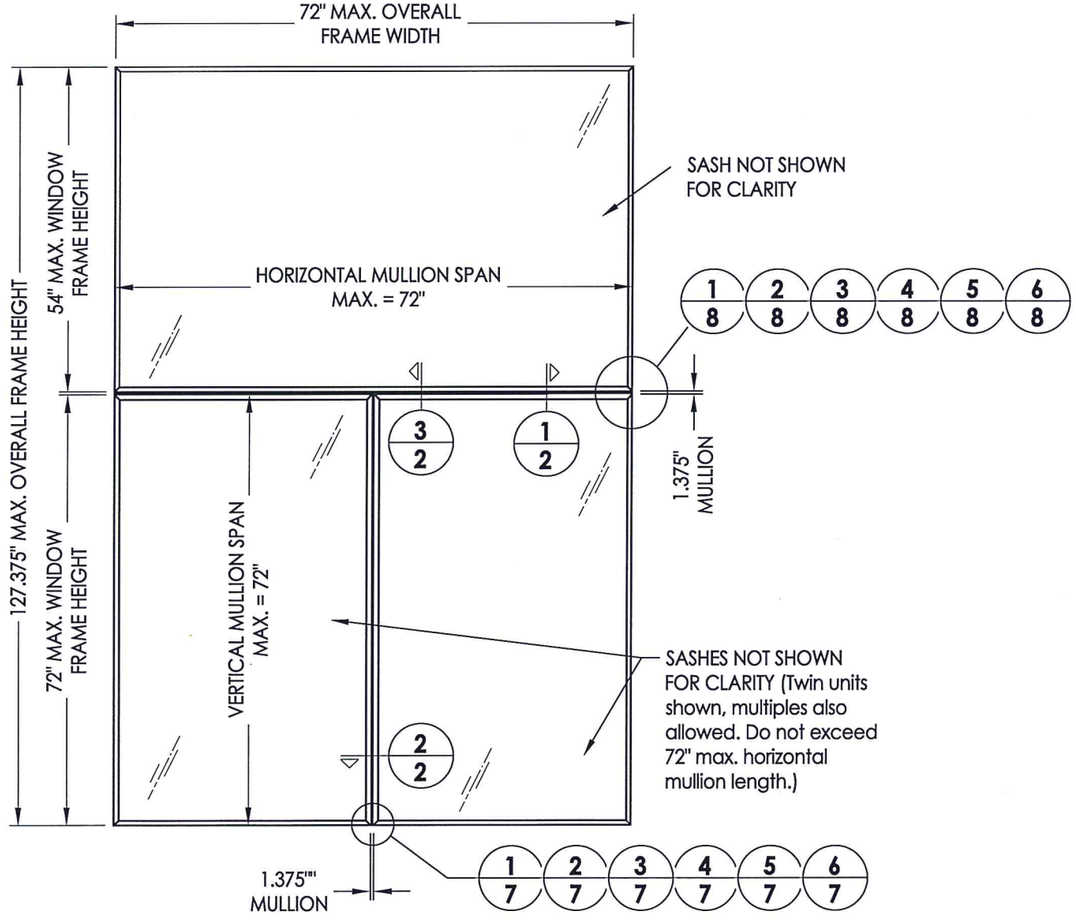
6. Mullion anchor embedment to base material shall be beyond wall dressing or stucco.

7. Any conditions not covered in this evaluation are subject to separate engineering evaluation.

8. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevations & general notes
2	Component details & cross sections
3	Design pressure tables (concrete installation)
4	Design pressure tables (concrete installation)
5	Design pressure tables (wood installation)
6	Design pressure tables (wood installation)
7	Anchor bracket details (vertical mullion)
8	Anchor bracket details (horizontal mullion)
9	Buck anchoring



MULLED TRANSOM OVER TWIN WINDOW UNITS

See Sheets 3, 4, 5 & 6 for Design Pressure Ratings

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

July 30, 2020

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

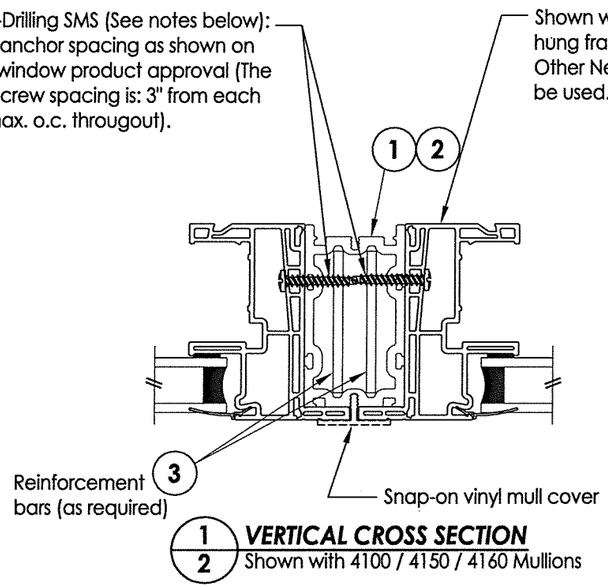
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3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
			BY

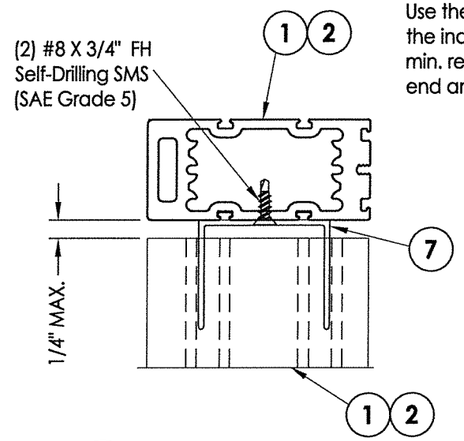
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 1 OF 9

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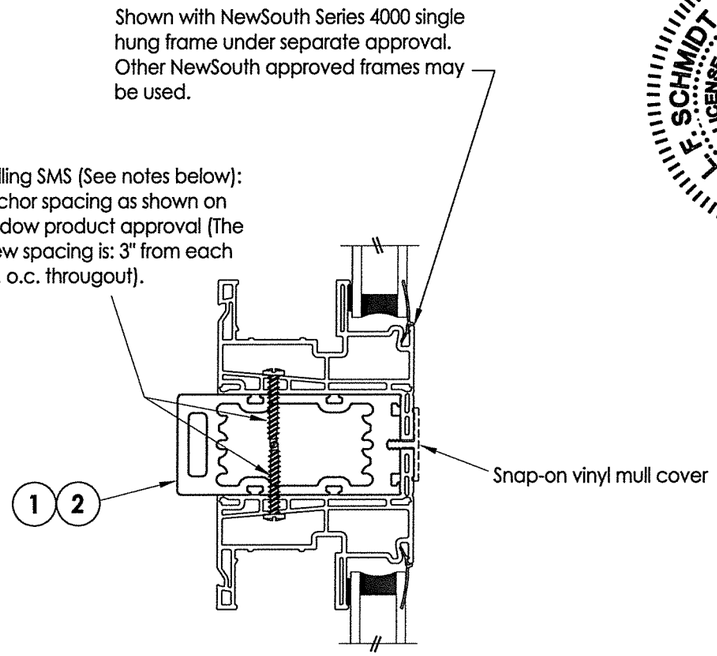
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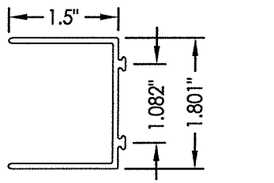
1/2 VERTICAL CROSS SECTION
Shown with 4100 / 4150 / 4160 Mullions



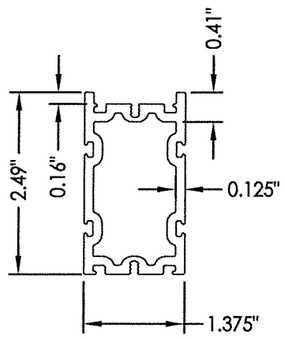
3/2 VERTICAL CROSS SECTION
Mullion-to-mullion connection detail
Shown with 4175 Mullion



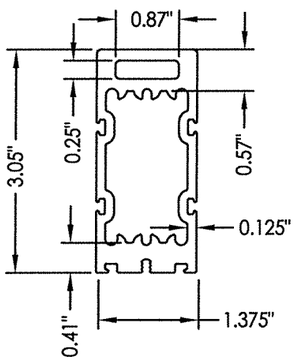
2/2 HORIZONTAL CROSS SECTION
Shown with 4175 Mullion



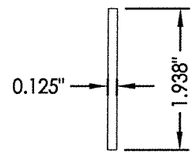
7 MULLION-TO-MULLION CLIP (3314)
6063-T6 ALUM (1.105" wide)



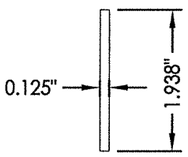
1 MULLION (4100/4150)
6063-T6 ALUM



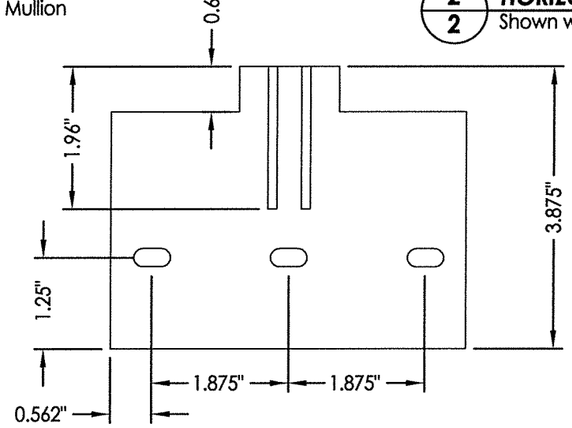
2 MULLION (4175)
6063-T6 ALUM



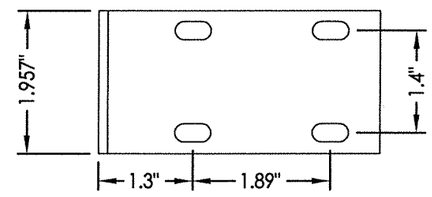
4 MULLION REINFORCEMENT
ASTM A36 STEEL BAR

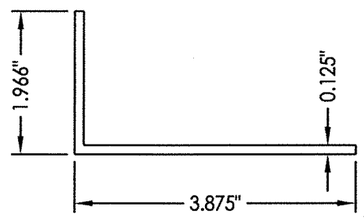


3 MULLION REINFORCEMENT
6063-T6 ALUM BAR



5 MULLION ANCHOR BRACKET (3419)
6063-T6 ALUM





6 MULLION ANCHOR BRACKET (3418)
6063-T6 ALUM

Notes:
1. Refer to individual window product approval for fabrication and installation requirements, including glazing details, frame reinforcement and anchoring specifications.
2. Sheet metal screws (self-drilling) shall have a minimum of 3 threads protrude completely through the mullion frame. Maintain a min. 1/2" edge distance.

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July 30, 2020
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

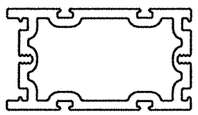
PART OR ASSEMBLY: COMPONENT DETAILS & CROSS SECTIONS

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4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 2 OF 9

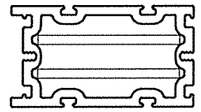
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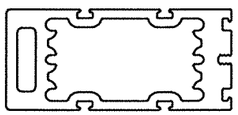
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	53	41	34	29	26	23	21	20
	69"	55	43	36	31	27	24	22	21
	66"	58	45	37	32	28	25	23	22
	63"	61	47	39	34	30	26	24	23
	60"	64	49	41	35	31	28	25	24
	54"	71	55	46	39	34	31	28	26
	48"	80	62	52	44	39	34	31	30



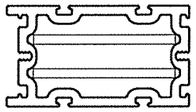
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	53	41	34	29	26	23	21	20
	69"	55	43	36	31	27	24	22	21
	66"	58	45	37	32	28	25	23	22
	63"	61	47	39	34	30	26	24	23
	60"	64	49	41	35	31	28	25	24
	54"	71	55	46	39	34	31	28	26
	48"	80	62	52	44	39	34	31	30



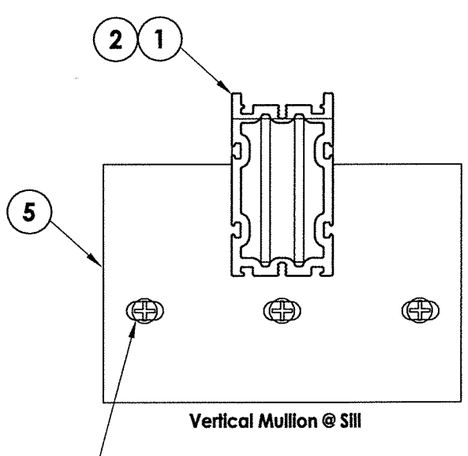
4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	53	41	34	29	26	23	21	20
	69"	55	43	36	31	27	24	22	21
	66"	58	45	37	32	28	25	23	22
	63"	61	47	39	34	30	26	24	23
	60"	64	49	41	35	31	28	25	24
	54"	71	55	46	39	34	31	28	26
	48"	80	62	52	44	39	34	31	30



4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	53	41	34	29	26	23	21	20
	69"	55	43	36	31	27	24	22	21
	66"	58	45	37	32	28	25	23	22
	63"	61	47	39	34	30	26	24	23
	60"	64	49	41	35	31	28	25	24
	54"	71	55	46	39	34	31	28	26
	48"	80	62	52	44	39	34	31	30



(3) Concrete Anchors required

BRACKET (3419) TO MULLION DETAILS
Concrete Anchor Installation

(3) Concrete Anchors required

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheets 7 & 8 for cross section details.

STATE OF FLORIDA
PROFESSIONAL ENGINEER
LYNDON F. SCHMIDT
LICENSE No. 43409
July 30, 2020

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

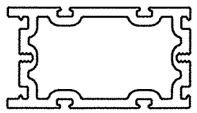
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4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 3 OF 9

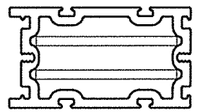
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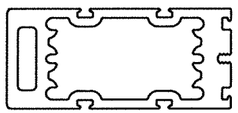
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	59	45	38	33	29	25	23	22
	69"	67	51	43	37	32	29	26	25
	66"	76	59	49	42	37	33	30	28
	63"	80	68	57	49	43	38	34	33
	60"	80	78	66	56	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



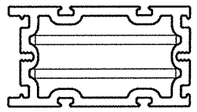
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	70	54	45	39	34	30	27	26
	69"	80	62	52	44	39	35	31	30
	66"	80	71	59	51	45	40	36	34
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



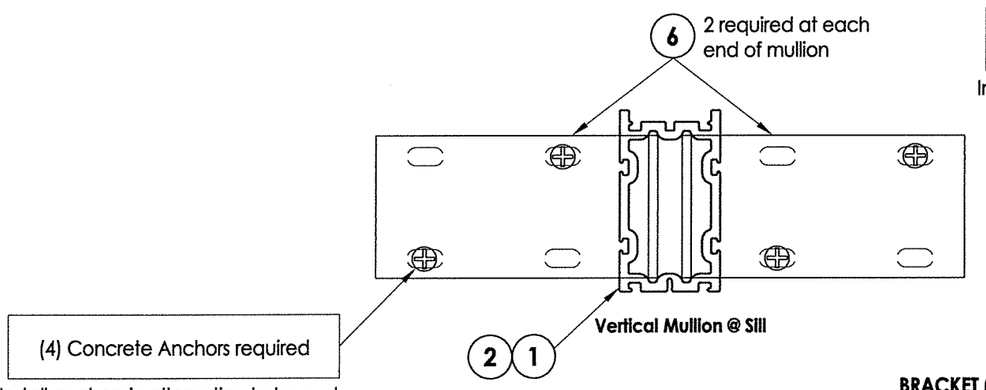
4175 MULLION

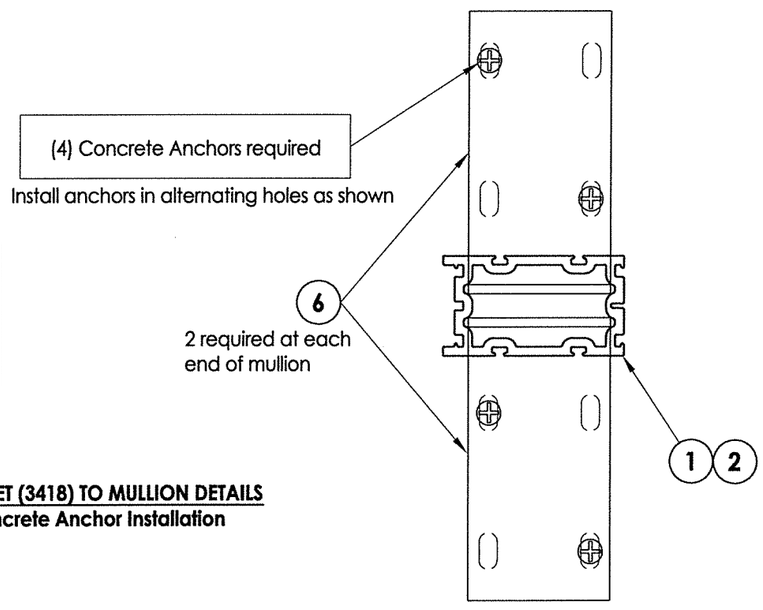
4175 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	80	66	55	47	41	37	33	32
	69"	80	69	57	49	43	39	35	33
	66"	80	72	60	52	45	40	36	35
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	80	66	55	47	41	37	33	32
	69"	80	69	57	49	43	39	35	33
	66"	80	72	60	52	45	40	36	35
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48





BRACKET (3418) TO MULLION DETAILS
Concrete Anchor Installation

Notes:
1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheets 7 & 8 for cross section details.

LYNDON F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER
July 30, 2020
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FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

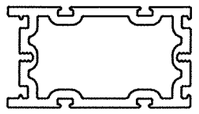
PART OR ASSEMBLY: DESIGN PRESSURE TABLES (CONCRETE INSTALLATION)

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3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 4 OF 9

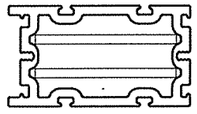
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R:\Clients\New South Windows PERMANENT\A - Florida Product Approvals\FL 15413 Mullions\C - Drawings\FL 15413 (2020) R7\FL-15413.4-6.dwg, 4-5



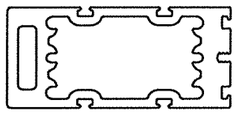
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	59	45	38	33	29	25	23	22
	69"	67	51	43	37	32	29	26	25
	66"	76	59	49	42	37	33	30	28
	63"	80	68	57	49	43	38	34	33
	60"	80	78	66	56	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



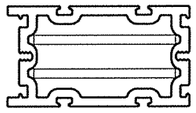
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	70	54	45	39	34	30	27	26
	69"	80	62	52	44	39	35	31	30
	66"	80	71	59	51	45	40	36	34
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



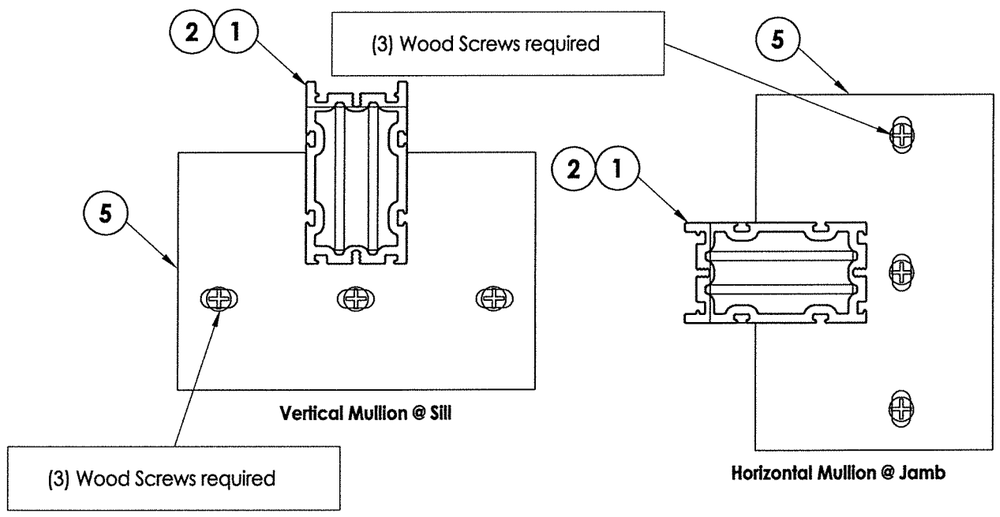
4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	80	66	55	47	41	37	33	32
	69"	80	69	57	49	43	39	35	33
	66"	80	72	60	52	45	40	36	35
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48

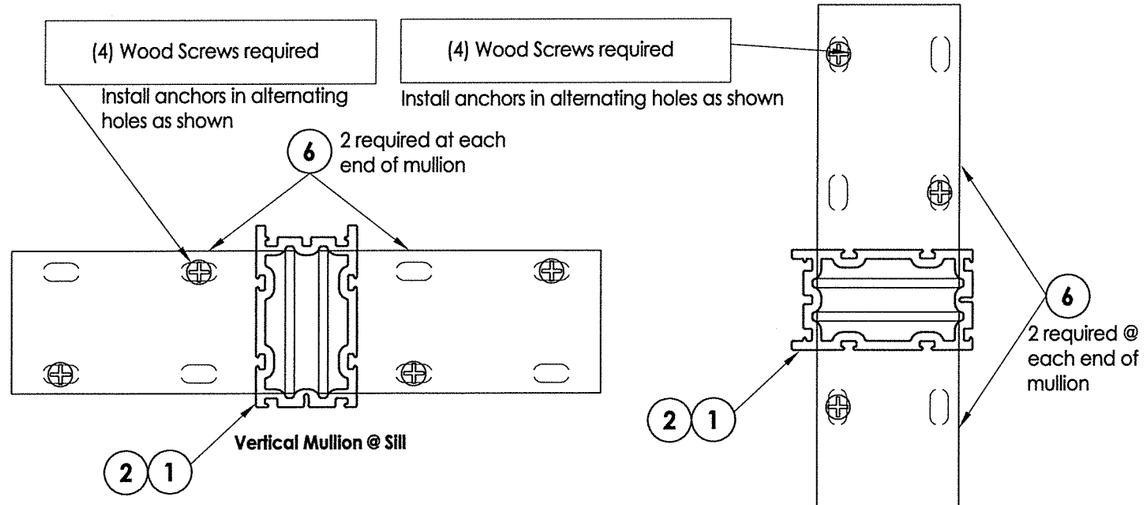


4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)							
		MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
MAX. HORIZONTAL MULLION SPAN	72"	80	66	55	47	41	37	33	32
	69"	80	69	57	49	43	39	35	33
	66"	80	72	60	52	45	40	36	35
	63"	80	75	63	54	47	42	38	36
	60"	80	79	66	57	50	44	40	38
	54"	80	80	73	63	55	49	44	42
	48"	80	80	80	71	62	55	50	48



BRACKET (3419) TO MULLION DETAILS
Wood Anchor Installation



BRACKET (3418) TO MULLION DETAILS
Wood Anchor Installation

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheets 7 & 8 for cross section details.

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

LYNDON F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER
July 30, 2020

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

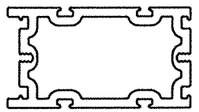
PART OR ASSEMBLY: DESIGN PRESSURE TABLES (WOOD INSTALLATION)

NO.	DATE	REVISIONS	BY
4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 5 OF 9

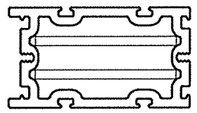
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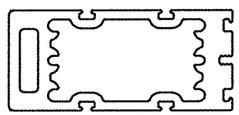
4100 MULLION

MAX. HORIZONTAL MULLION SPAN	4100 MULLION	DESIGN PRESSURE (PSF) MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
	72"	59	45	38	33	29	25	23	22
	69"	67	51	43	37	32	29	26	25
	66"	76	59	49	42	37	33	30	28
	63"	80	68	57	49	43	38	34	33
	60"	80	78	66	56	50	44	40	38
	54"	80	80	80	78	68	61	55	52
	48"	80	80	80	80	80	80	78	74



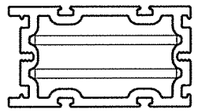
4150 MULLION
(ALUMINUM REINFORCED)

MAX. HORIZONTAL MULLION SPAN	4150 MULLION (ALUMINUM REINFORCED)	DESIGN PRESSURE (PSF) MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
	72"	70	54	46	39	34	30	27	26
	69"	80	62	52	44	39	35	31	30
	66"	80	71	59	51	45	40	36	34
	63"	80	80	68	59	51	46	41	39
	60"	80	80	79	68	60	53	48	45
	54"	80	80	80	80	80	73	66	62
	48"	80	80	80	80	80	80	80	80



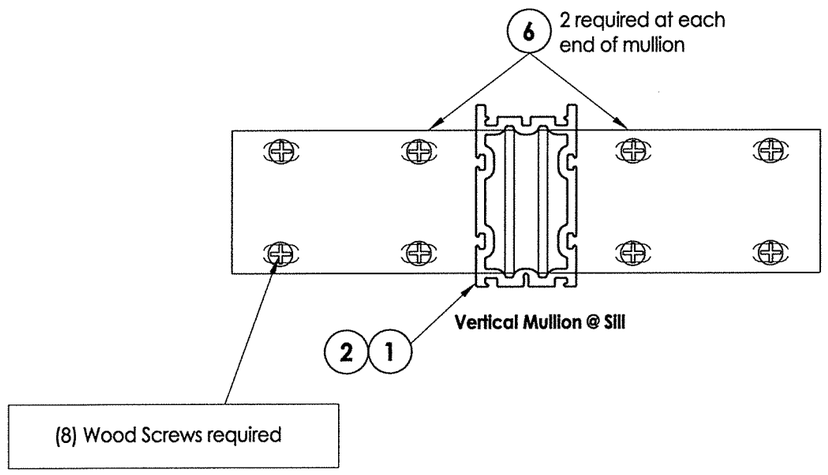
4175 MULLION

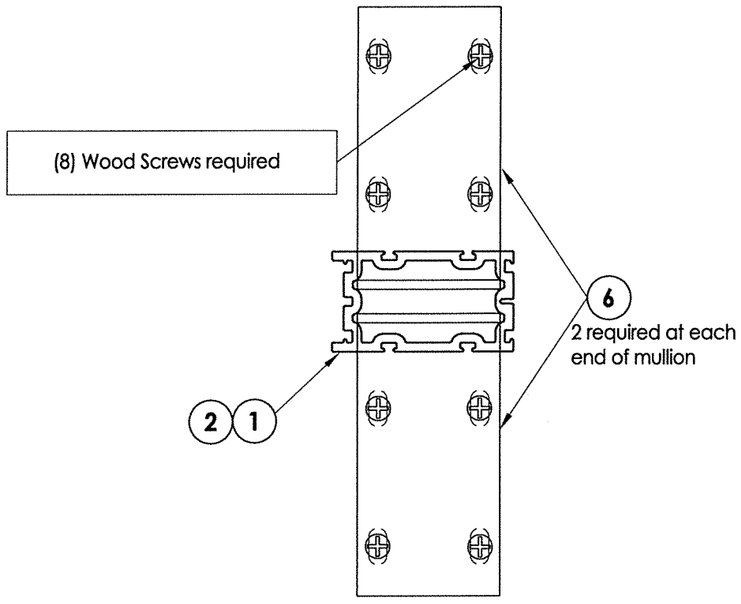
MAX. HORIZONTAL MULLION SPAN	4175 MULLION	DESIGN PRESSURE (PSF) MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
	72"	80	80	80	78	69	61	55	53
	69"	80	80	80	80	78	70	63	60
	66"	80	80	80	80	80	80	72	68
	63"	80	80	80	80	80	80	80	79
	60"	80	80	80	80	80	80	80	80
	54"	80	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80	80



4160 MULLION
(STEEL REINFORCED)

MAX. HORIZONTAL MULLION SPAN	4160 MULLION (STEEL REINFORCED)	DESIGN PRESSURE (PSF) MAX. OVERALL FRAME HEIGHT							
		48"	62"	74"	86"	98"	110"	122"	127.375"
	72"	80	73	61	52	46	41	37	35
	69"	80	80	69	59	52	46	42	40
	66"	80	80	79	68	60	53	48	46
	63"	80	80	80	78	68	61	55	52
	60"	80	80	80	80	79	71	64	61
	54"	80	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80	80





BRACKET (3418) TO MULLION DETAILS
Wood Anchor Installation

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheets 7 & 8 for cross section details.

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July 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

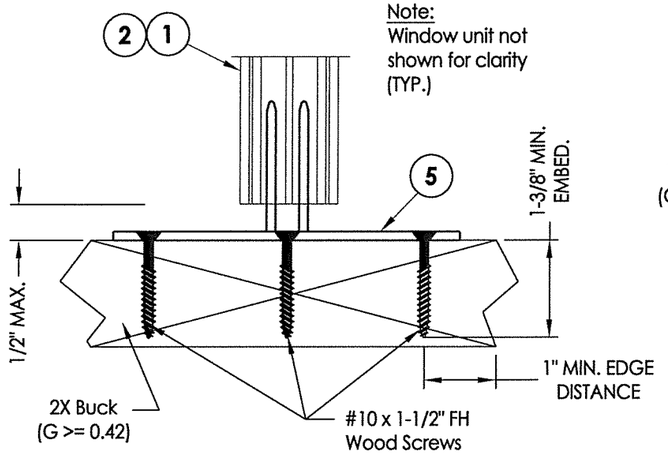
PART OR ASSEMBLY: DESIGN PRESSURE TABLES (WOOD INSTALLATION)

NO.	DATE	REVISIONS	
4	7/29/20	UPDATE TO 7TH ED (2020)	FBC LFS
3	9/26/17	UPDATE TO 6TH ED. (2017)	FBC JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC JK
			BY

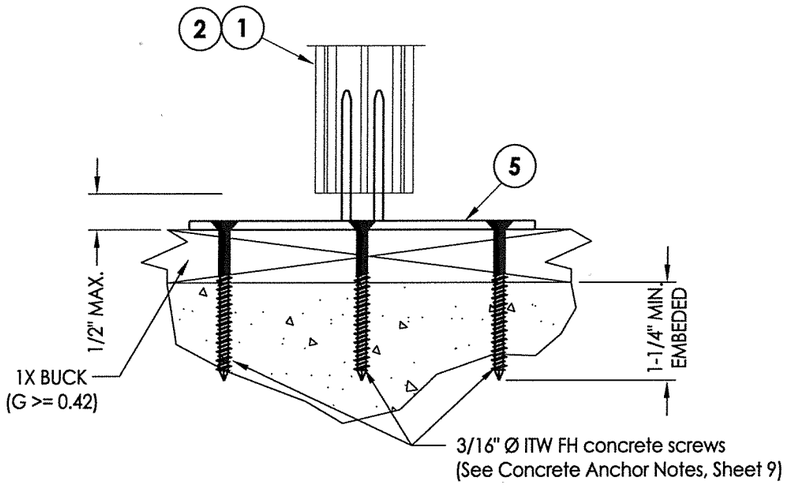
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 6 OF 9

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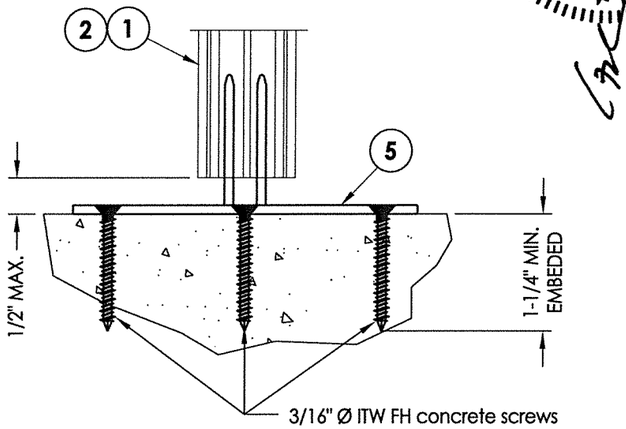
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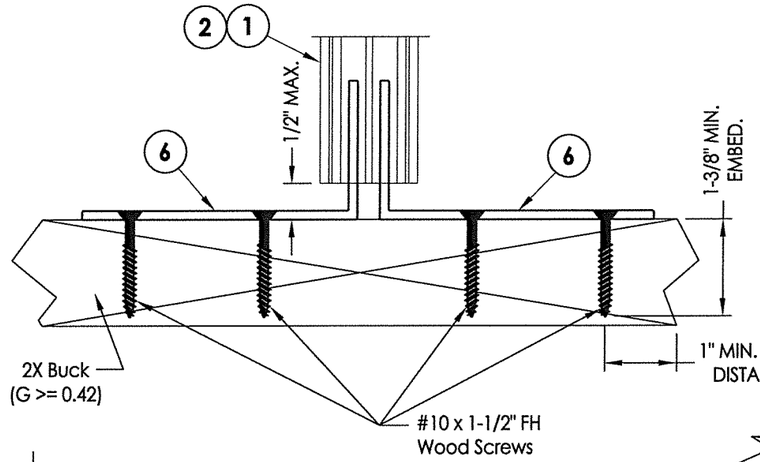
1/7 WOOD ANCHOR BRACKET DETAIL
Anchor to 2x Buck



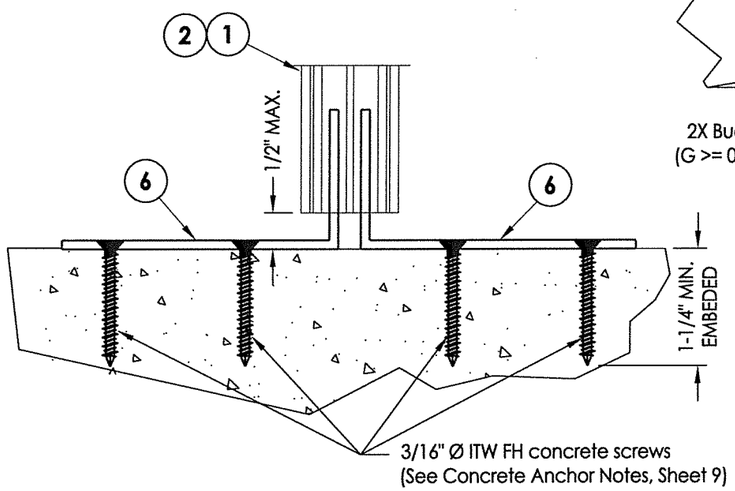
2/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor to Masonry thru 1x Buck



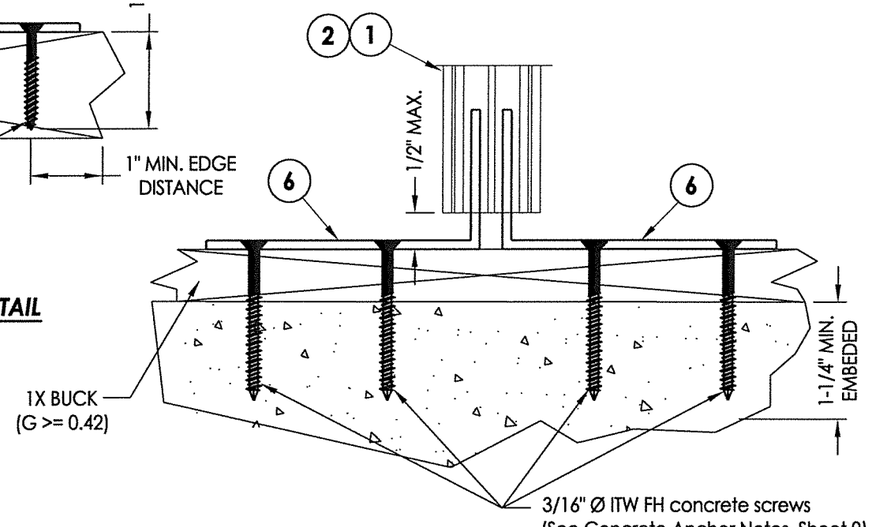
3/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor Direct to Masonry



5/7 WOOD ANCHOR BRACKET DETAIL
Anchor to 2x Buck



4/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor Direct to Masonry



6/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor to Masonry thru 1x Buck

L.F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER
July 30, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R|W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *CLIPPED MULLION*

PART OR ASSEMBLY: *ANCHOR BRACKET DETAILS (VERTICAL MULLION)*

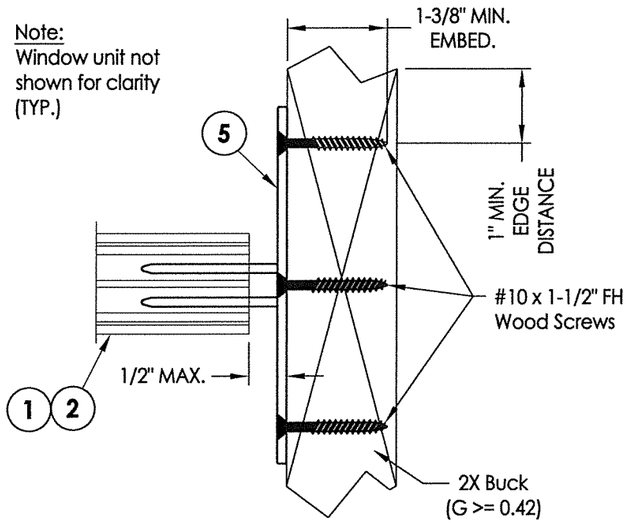
NO.	DATE	REVISIONS	BY
4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 7 OF 9

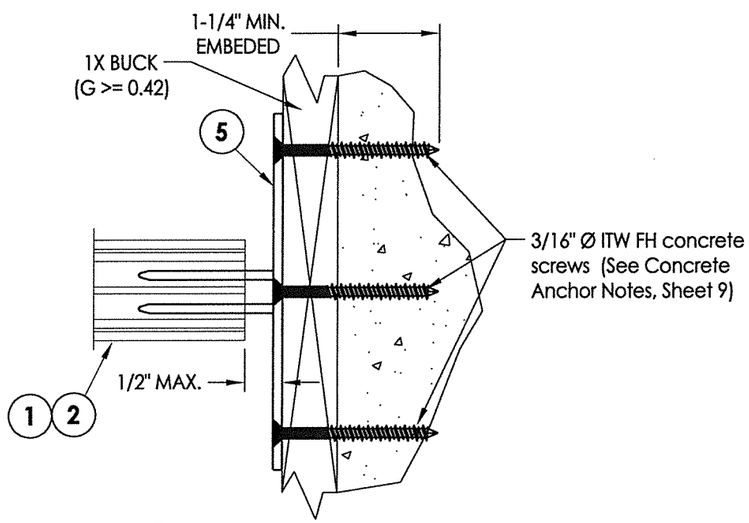
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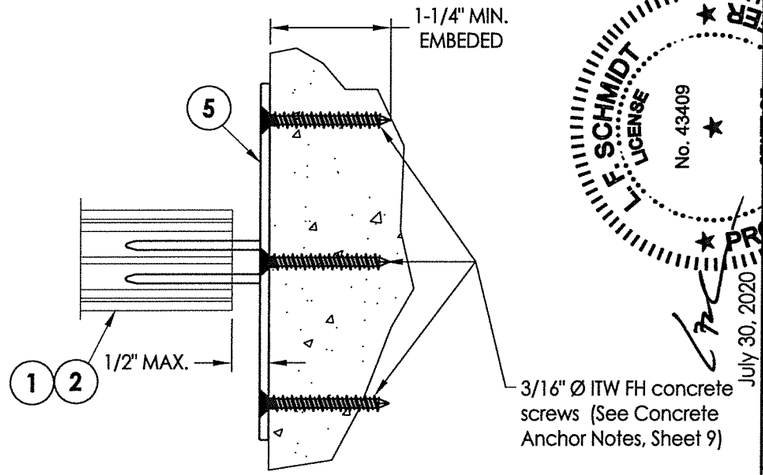
Note:
Window unit not shown for clarity (TYP.)



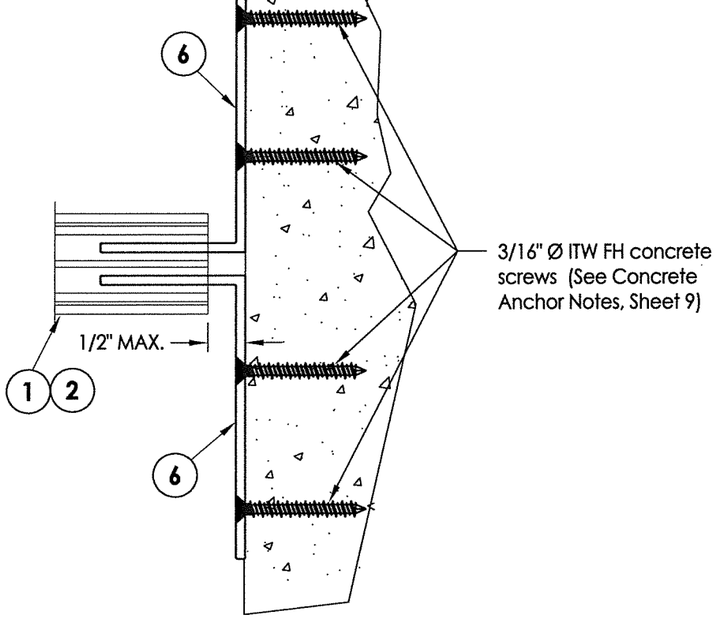
1/8 WOOD ANCHOR BRACKET DETAIL
Anchor to 2x Buck



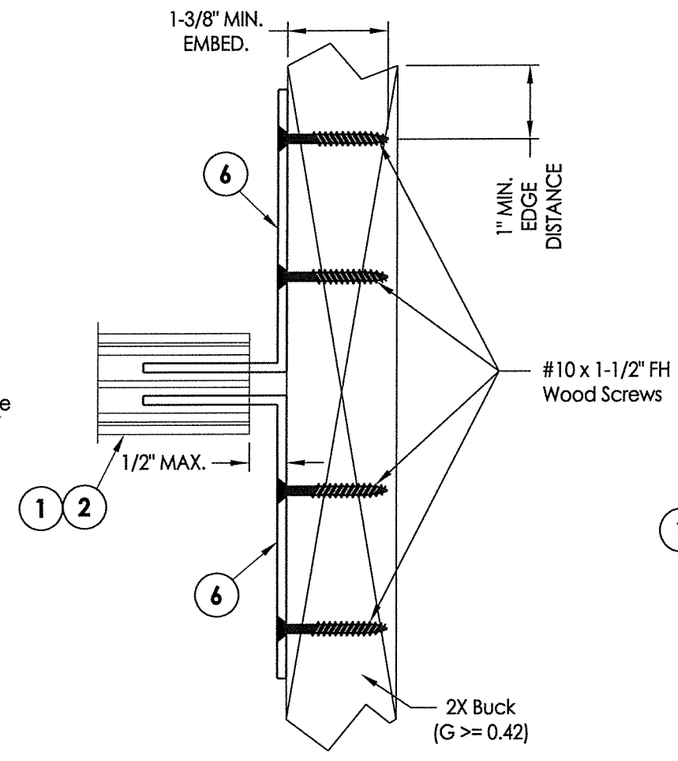
2/8 CONCRETE ANCHOR BRACKET DETAIL
Anchor to Masonry thru 1x Buck



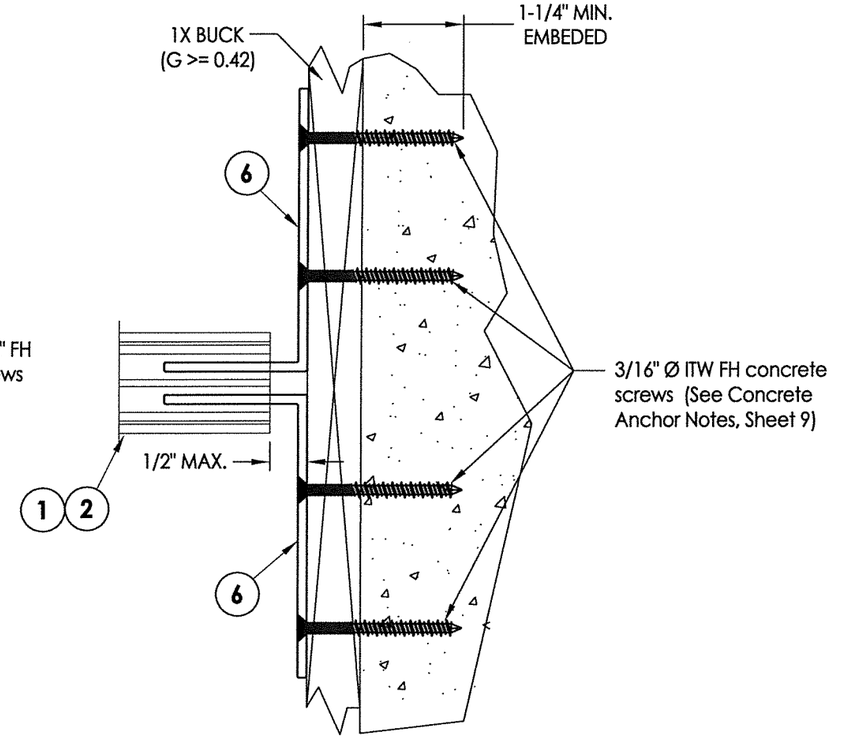
3/8 CONCRETE ANCHOR BRACKET DETAIL
Anchor Direct to Masonry



4/8 CONCRETE ANCHOR BRACKET DETAIL
Anchor Direct to Masonry



5/8 WOOD ANCHOR BRACKET DETAIL
Anchor to 2x Buck



6/8 CONCRETE ANCHOR BRACKET DETAIL
Anchor to 2x Buck

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER
July 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R|W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

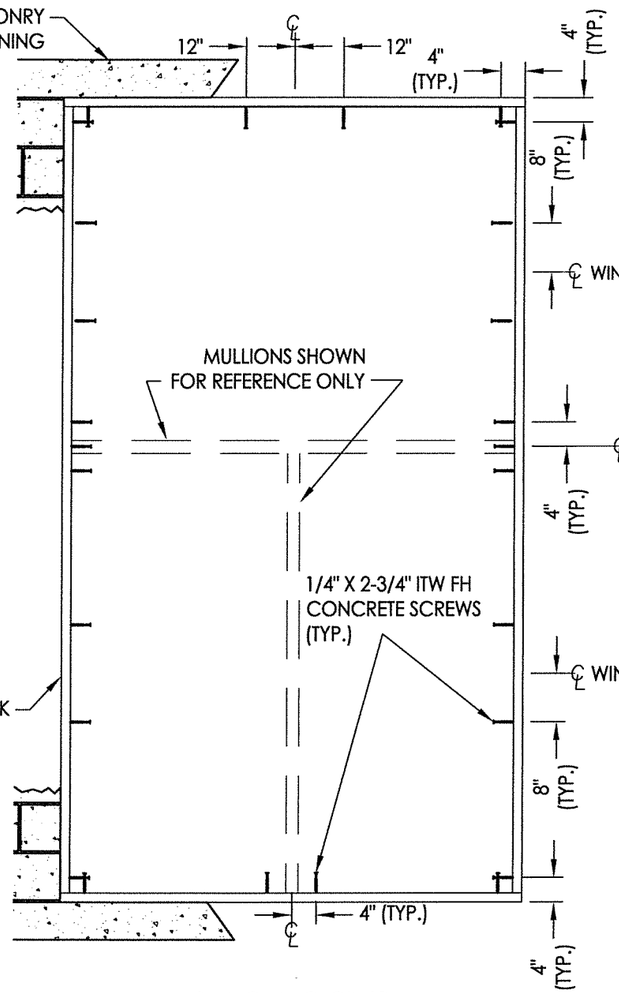
PRODUCT: CLIPPED MULLION
PART OR ASSEMBLY: ANCHOR BRACKET DETAILS (HORIZONTAL MULLION)

NO.	DATE	REVISIONS	BY
4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

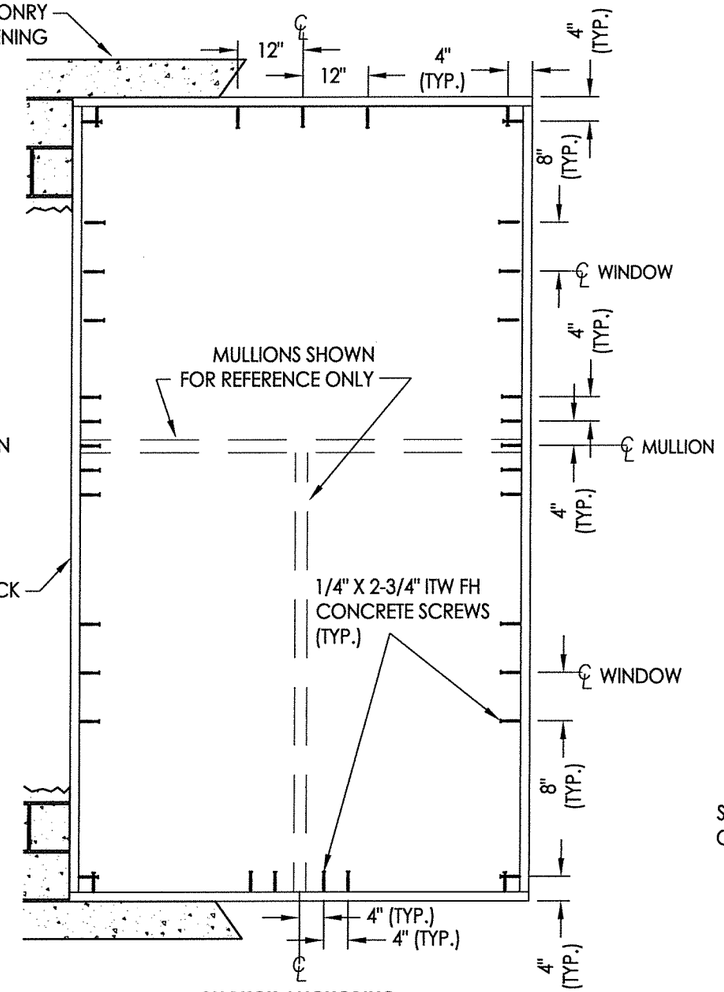
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 8 OF 9

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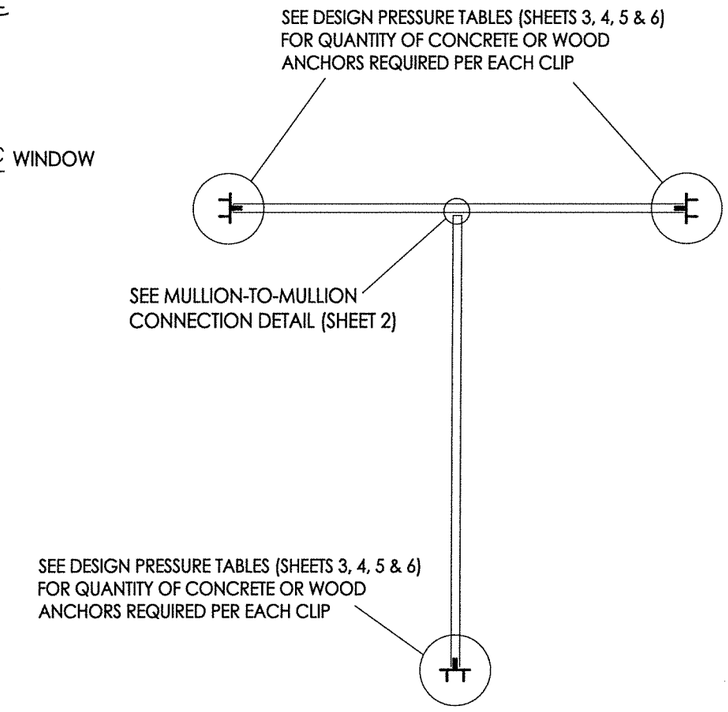
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2X BUCK ANCHORING
45 PSF D.P. MAX.



2X BUCK ANCHORING
80 PSF D.P. MAX.



MULLION ANCHORING

CONCRETE ANCHOR NOTES:

1. *Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.*
2. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimensions are not exceeded.*
3. *Concrete anchor table:*

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	2"	1-7/8"
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	3"

4. Concrete shall be 3,000 PSI conforming to ACI 301 or hollow block conforming to ASTM C90.

STATE OF FLORIDA
PROFESSIONAL ENGINEER
LYNDON F. SCHMIDT
LICENSE No. 43409
July 30, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R|W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *CLIPPED MULLION*

PART OR ASSEMBLY: *BUCK ANCHORING*

NO.	DATE	REVISIONS	BY
4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
2	12/07/15	REVISED 4175 MULLION	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.5
SHEET 9 OF 9

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