4100 / 4150 / 4160 / 4175
Extruded Aluminum
Vertical Clipped Structural 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.

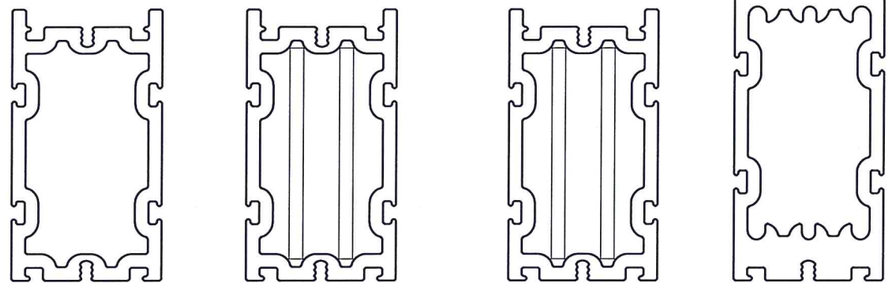
6. Mullion anchor embedment to base material shall be beyond wall dressing or stucco.

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

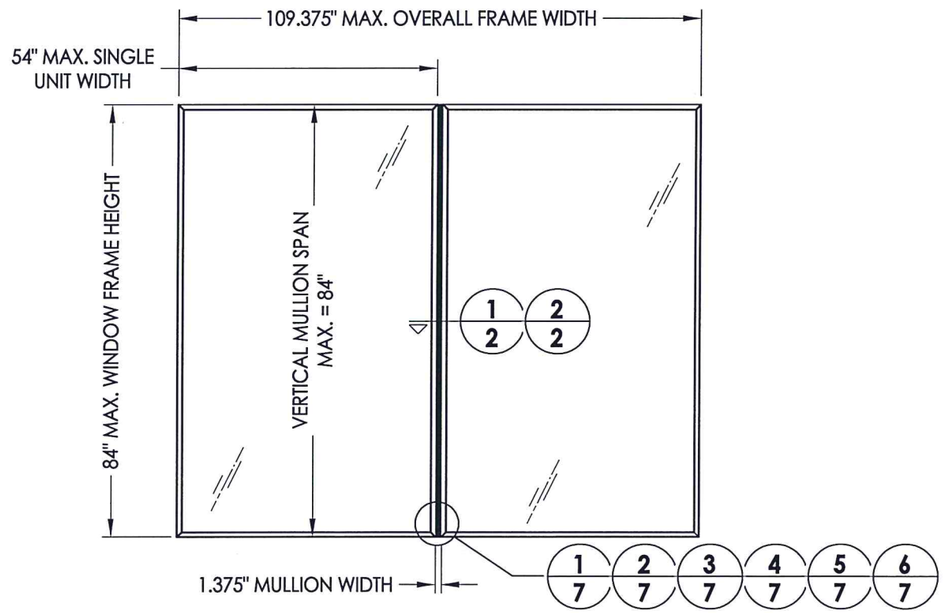
8. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

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
8	Buck anchoring



4100 Mullion | *4150 Mullion (Aluminum Reinforced)* | *4160 Mullion (Steel Reinforced)* | *4175 Mullion*



MULLED WINDOW UNITS

(Twin unit shown, multiples also allowed)

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:
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: *TYPICAL ELEVATIONS & GENERAL NOTES*

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

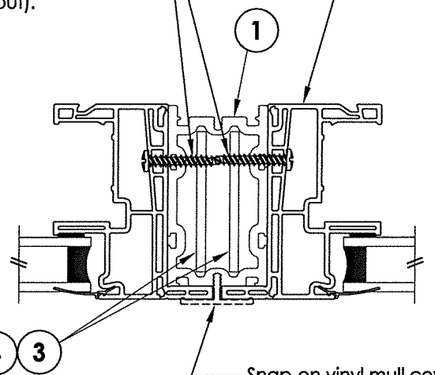
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.4
SHEET 1 OF 8

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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, FL-15413.4

#8 X 1" PH Self-Drilling SMS (See notes below): Use the frame anchor spacing as shown on the individual window product approval (The min. required screw spacing is: 3" from each end and 24" max. o.c. througout).

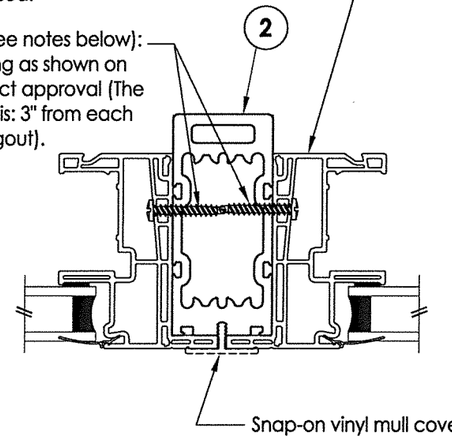
Shown with NewSouth Series 4000 single hung frame under separate approval. Other NewSouth approved frames may be used.



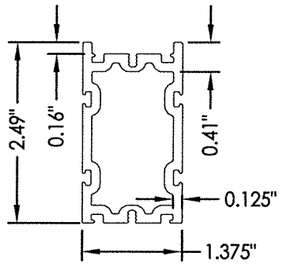
1/2 HORIZONTAL CROSS SECTION
Shown with 4100 / 4150 / 4160 Mullions

Shown with NewSouth Series 4000 single hung frame under separate approval. Other NewSouth approved frames may be used.

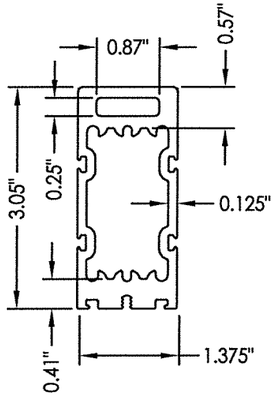
#8 X 1" PH Self-Drilling SMS (See notes below): Use the frame anchor spacing as shown on the individual window product approval (The min. required screw spacing is: 3" from each end and 24" max. o.c. througout).



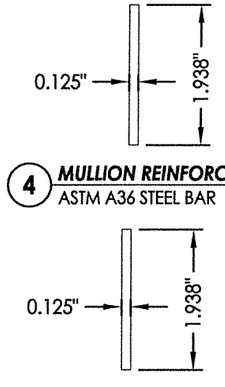
2/2 HORIZONTAL CROSS SECTION
Shown with 4175 Mullion



1 MULLION (4100/4150)
6063-T6 ALUM

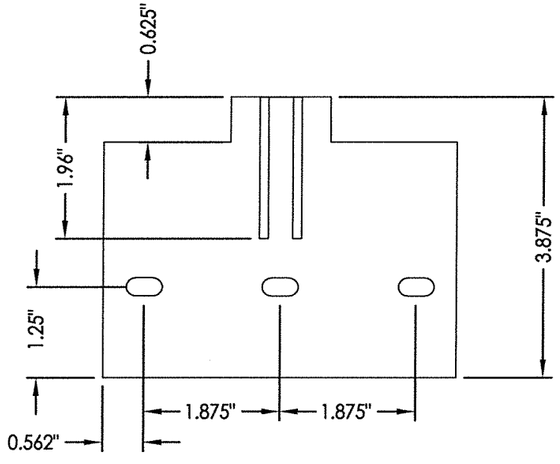


2 MULLION (4175)
6063-T6 ALUM

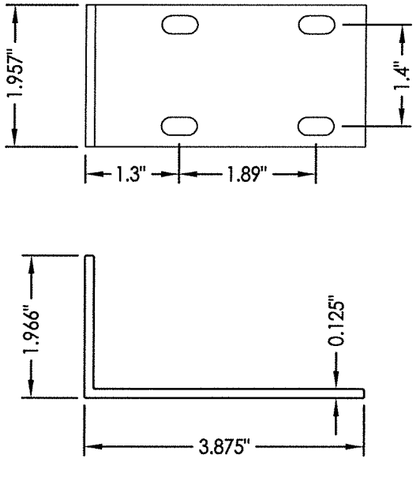


4 MULLION REINFORCEMENT
ASTM A36 STEEL BAR

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.

STATE OF FLORIDA PROFESSIONAL ENGINEER
L. F. SCHMIDT LICENSE No. 43409
July 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLIPPED MULLION

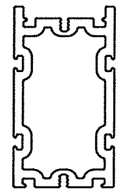
PART OR ASSEMBLY: COMPONENT DETAILS & CROSS SECTIONS

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

DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.4
SHEET 2 OF 8

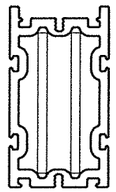
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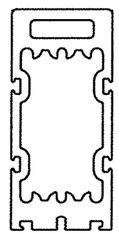
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	34	27	23	20			
	80"	40	31	27	24	22	21	20
	76"	46	37	32	28	26	25	24
	72"	53	44	38	34	31	30	29
	69"	56	46	41	38	35	34	34
	66"	59	49	44	40	38	37	36
	63"	63	52	47	43	41	40	39
	60"	67	56	50	46	44	43	43
	54"	77	65	59	55	53	53	53
	48"	80	77	71	68	67	67	67



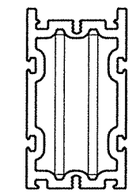
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	41	32	28	24	22	21	20
	80"	47	38	32	29	26	25	24
	76"	50	41	36	33	30	30	29
	72"	53	44	39	35	33	32	31
	69"	56	46	41	38	35	34	34
	66"	59	49	44	40	38	37	36
	63"	63	52	47	43	41	40	39
	60"	67	56	50	46	44	43	43
	54"	77	65	59	55	53	53	53
	48"	80	77	71	68	67	67	67



4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	45	36	32	28	26	25	25
	80"	47	38	34	30	28	27	26
	76"	50	41	36	33	30	30	29
	72"	53	44	39	35	33	32	31
	69"	56	46	41	38	35	34	34
	66"	59	49	44	40	38	37	36
	63"	63	52	47	43	41	40	39
	60"	67	56	50	46	44	43	43
	54"	77	65	59	55	53	53	53
	48"	80	77	71	68	67	67	67

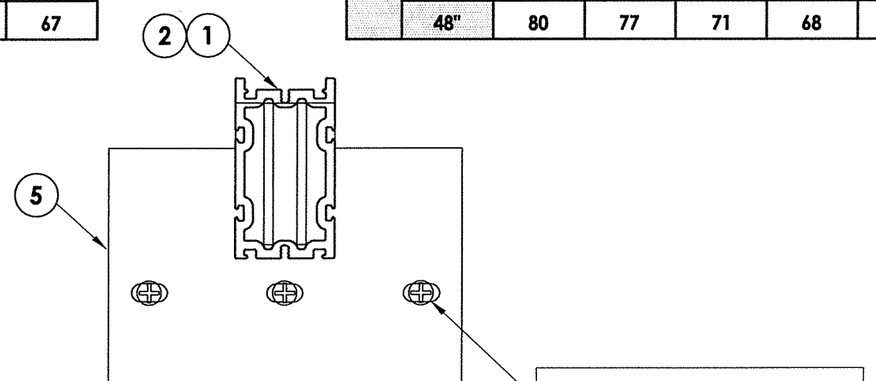


4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	45	36	32	28	26	25	25
	80"	47	38	34	30	28	27	26
	76"	50	41	36	33	30	30	29
	72"	53	44	39	35	33	32	31
	69"	56	46	41	38	35	34	34
	66"	59	49	44	40	38	37	36
	63"	63	52	47	43	41	40	39
	60"	67	56	50	46	44	43	43
	54"	77	65	59	55	53	53	53
	48"	80	77	71	68	67	67	67

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheet 7 for cross section details.
2. ▨ Design Pressure is not available for this mullion length and frame width.



BRACKET (3419) TO MULLION DETAILS
Concrete Anchor Installation

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

PRODUCT: *CLIPPED MULLION*

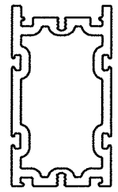
PART OF ASSEMBLY: *DESIGN PRESSURE TABLES (CONCRETE INSTALLATION)*

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-15413.4
SHEET 3 OF 8

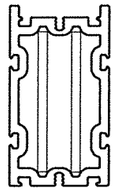
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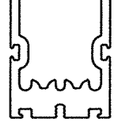
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	34	27	23	20			
	80"	40	31	27	24	22	21	20
	76"	46	37	32	28	26	25	24
	72"	55	44	38	34	31	30	29
	69"	63	50	43	39	36	35	34
	66"	72	58	50	45	42	41	40
	63"	80	67	59	53	50	48	47
	60"	80	78	69	63	59	58	57
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80



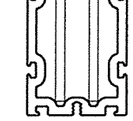
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	41	32	28	24	22	21	20
	80"	48	38	32	29	26	25	24
	76"	56	44	38	34	31	30	29
	72"	66	53	45	41	37	36	35
	69"	75	60	52	47	43	42	41
	66"	80	69	60	54	50	49	48
	63"	80	80	71	64	60	58	57
	60"	80	80	80	73	70	69	68
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80



4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	71	58	51	46	42	41	40
	80"	76	62	54	49	45	44	43
	76"	80	66	58	53	49	47	46
	72"	80	71	62	57	53	52	50
	69"	80	74	66	60	57	55	54
	66"	80	79	70	65	61	59	58
	63"	80	80	75	69	65	64	63
	60"	80	80	80	75	71	70	69
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

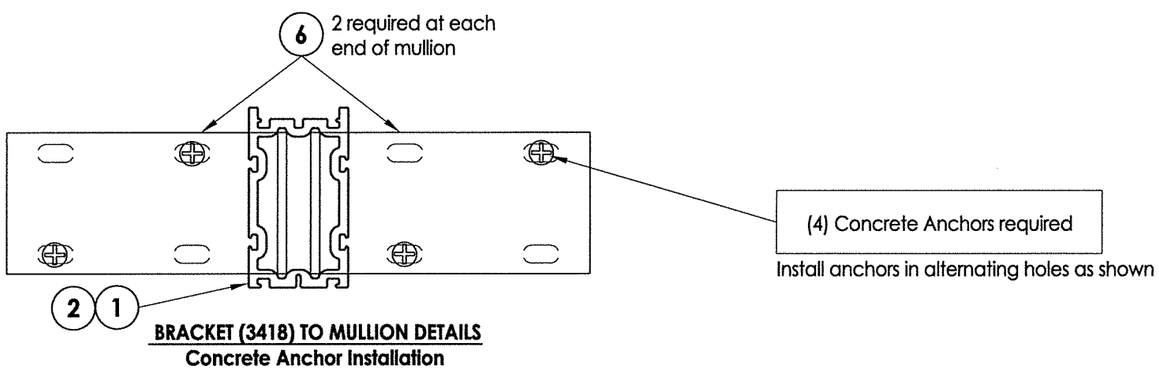


4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	55	43	37	33	30	28	27
	80"	64	50	43	38	35	34	32
	76"	74	59	51	45	41	40	39
	72"	80	65	61	54	50	48	47
	69"	80	74	65	60	57	55	54
	66"	80	79	70	65	61	59	58
	63"	80	80	75	69	65	64	63
	60"	80	80	80	75	71	70	69
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheet 7 for cross section details.
2. Design Pressure is not available for this mullion length and frame width.



BRACKET (3418) TO MULLION DETAILS
Concrete Anchor Installation

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

PRODUCT: CLIPPED MULLION

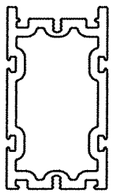
PART OF ASSEMBLY: DESIGN PRESSURE TABLES (CONCRETE INSTALLATION)

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-15413.4
SHEET 4 OF 8

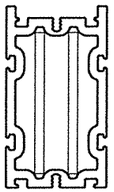
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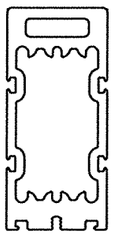
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	34	27	23	20			
	80"	40	31	27	24	22	21	20
	76"	46	37	32	28	26	25	24
	72"	55	44	38	34	31	30	29
	69"	63	50	43	39	36	35	34
	66"	72	58	50	45	42	41	40
	63"	80	67	59	53	50	48	47
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	48"	80	80	80	80	80	80	80



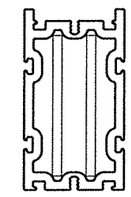
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	41	32	28	24	22	21	20
	80"	48	38	32	29	26	25	24
	76"	56	44	38	34	31	30	29
	72"	66	53	45	41	37	36	35
	69"	75	60	52	47	43	42	41
	66"	80	69	60	54	50	49	48
	63"	80	80	71	64	60	58	57
	60"	80	80	80	73	70	69	68
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80



4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	71	58	51	46	42	41	40
	80"	76	62	54	49	45	44	43
	76"	80	66	58	53	49	47	46
	72"	80	71	62	57	53	52	50
	69"	80	74	66	60	57	55	54
	66"	80	79	70	65	61	59	58
	63"	80	80	75	69	65	64	63
	60"	80	80	80	75	71	70	69
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

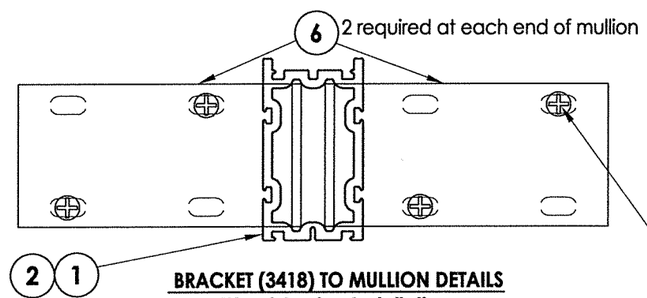


4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF)						
		MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	55	43	37	33	30	28	27
	80"	64	50	43	38	35	34	32
	76"	74	59	51	45	41	40	39
	72"	80	65	61	54	50	48	47
	69"	80	74	65	60	57	55	54
	66"	80	79	70	65	61	59	58
	63"	80	80	75	69	65	64	63
	60"	80	80	80	75	71	70	69
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

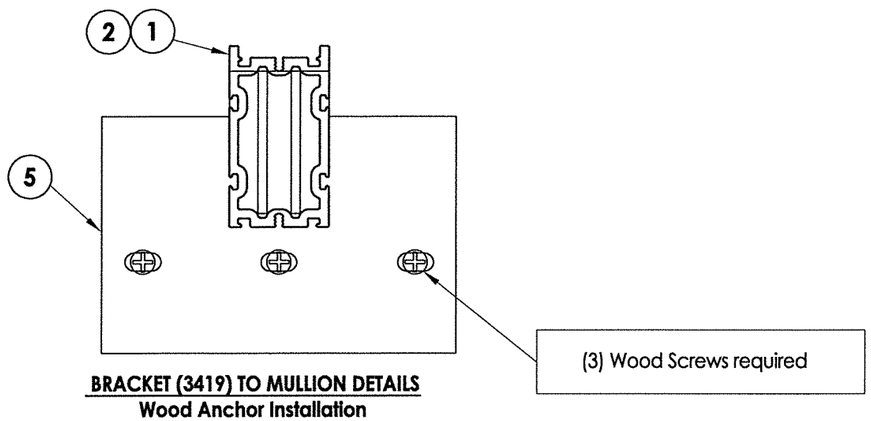
Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheet 7 for cross section details.
2. Design Pressure is not available for this mullion length and frame width.



BRACKET (3418) TO MULLION DETAILS
Wood Anchor Installation

Install anchors in alternating holes as shown



BRACKET (3419) TO MULLION DETAILS
Wood Anchor Installation

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*

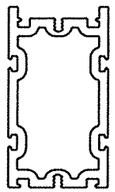
PART OR ASSEMBLY: *DESIGN PRESSURE TABLES (WOOD INSTALLATION)*

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-15413.4
SHEET 5 OF 8

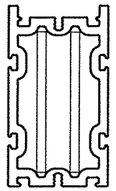
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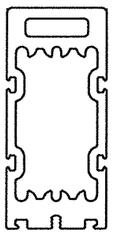
4100 MULLION

4100 MULLION		DESIGN PRESSURE (PSF) MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	34	27	23	20			
	80"	40	31	27	24	22	21	20
	76"	46	37	32	28	26	25	24
	72"	55	44	38	34	31	30	29
	69"	63	50	43	39	36	35	34
	66"	72	58	50	45	42	41	40
	63"	80	67	59	53	50	48	47
	60"	80	78	69	63	59	58	57
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80



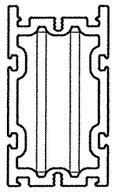
4150 MULLION
(ALUMINUM REINFORCED)

4150 MULLION (ALUMINUM REINFORCED)		DESIGN PRESSURE (PSF) MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	41	32	28	24	22	21	20
	80"	48	38	32	29	26	25	24
	76"	56	44	38	34	31	30	29
	72"	66	53	45	41	37	36	35
	69"	75	60	52	47	43	42	41
	66"	80	69	60	54	50	49	48
	63"	80	80	71	64	60	58	57
	60"	80	80	80	73	70	69	68
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80



4175 MULLION

4175 MULLION		DESIGN PRESSURE (PSF) MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	80	65	56	49	45	43	41
	80"	80	77	65	58	53	51	49
	76"	80	80	77	68	62	60	58
	72"	80	80	80	80	75	72	70
	69"	80	80	80	80	80	80	80
	66"	80	80	80	80	80	80	80
	63"	80	80	80	80	80	80	80
	60"	80	80	80	80	80	80	80
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

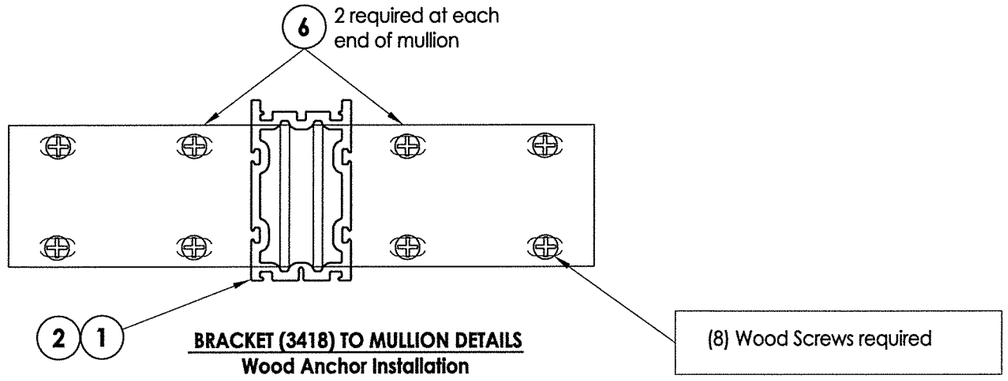


4160 MULLION
(STEEL REINFORCED)

4160 MULLION (STEEL REINFORCED)		DESIGN PRESSURE (PSF) MAX. OVERALL FRAME WIDTH						
		48"	62"	74"	86"	98"	104"	109.375"
MAX. MULLION SPAN	84"	55	43	37	33	30	28	27
	80"	64	50	43	38	35	34	32
	76"	74	59	51	45	41	40	39
	72"	80	65	61	54	50	48	47
	69"	80	80	65	63	58	56	55
	66"	80	80	80	73	68	66	64
	63"	80	80	80	80	80	78	76
	60"	80	80	80	80	80	80	80
	54"	80	80	80	80	80	80	80
	48"	80	80	80	80	80	80	80

Notes:

1. Design pressure tables are applicable only for the anchor bracket and anchors specified on this sheet. Refer to Sheet 7 for cross section details.
2. ▨ Design Pressure is not available for this mullion length and frame width.



BRACKET (3418) TO MULLION DETAILS
Wood Anchor Installation

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

PRODUCT: *CLIPPED MULLION*

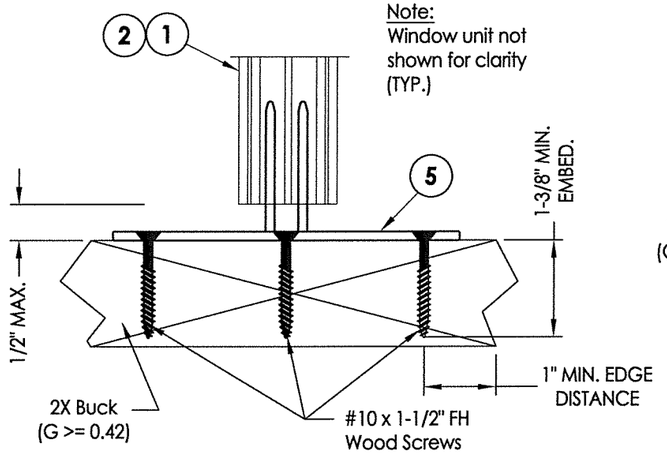
PART OR ASSEMBLY: *DESIGN PRESSURE TABLES (WOOD INSTALLATION)*

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

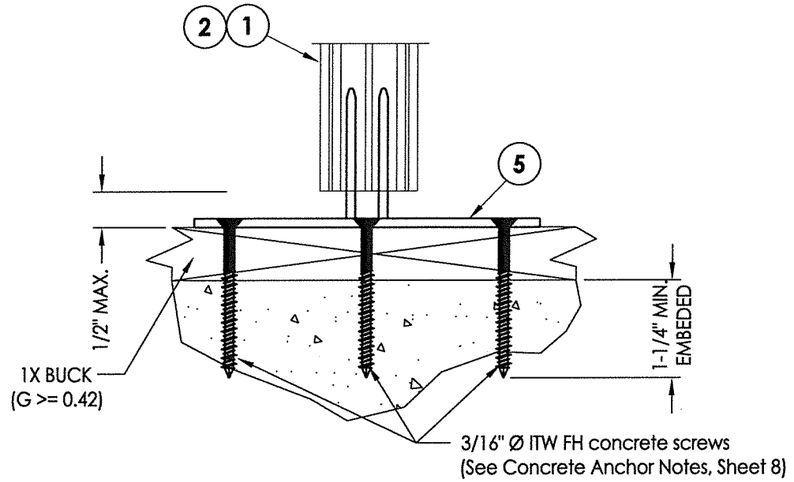
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.4
SHEET 6 OF 8

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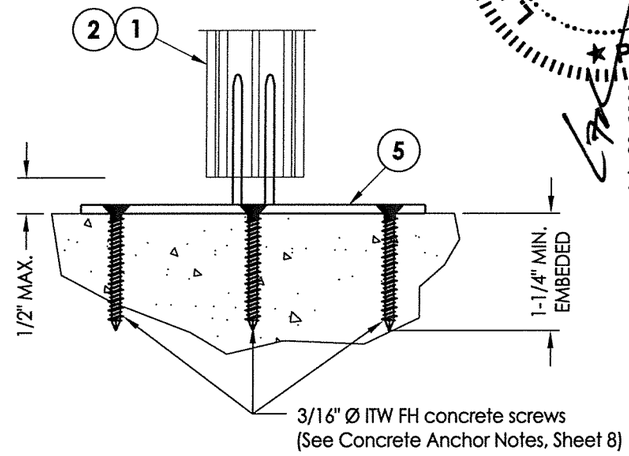
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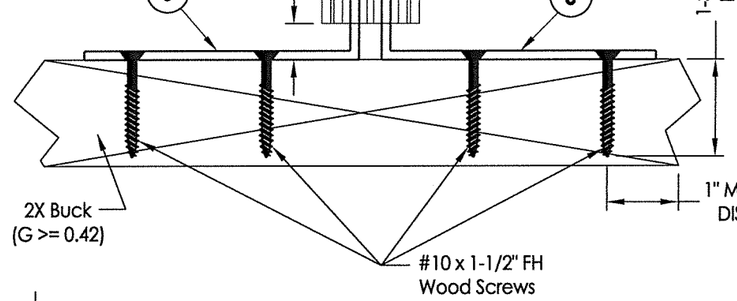
1/7 WOOD ANCHOR BRACKET DETAIL
Anchor to 2x Buck



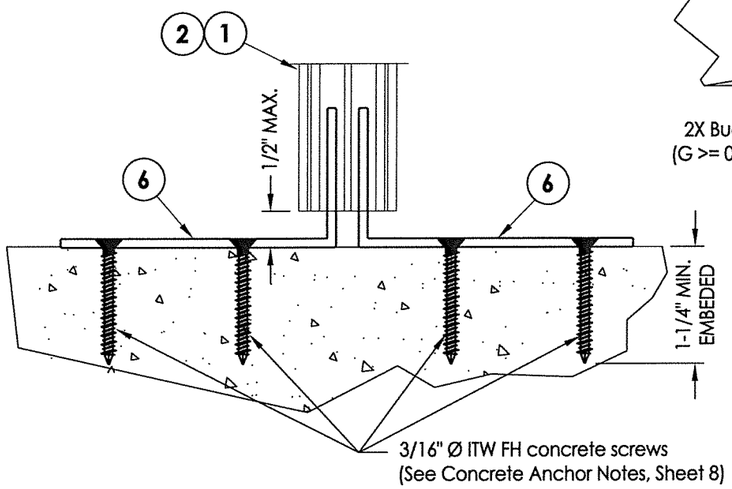
2/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor to Masonry thru 1x Buck



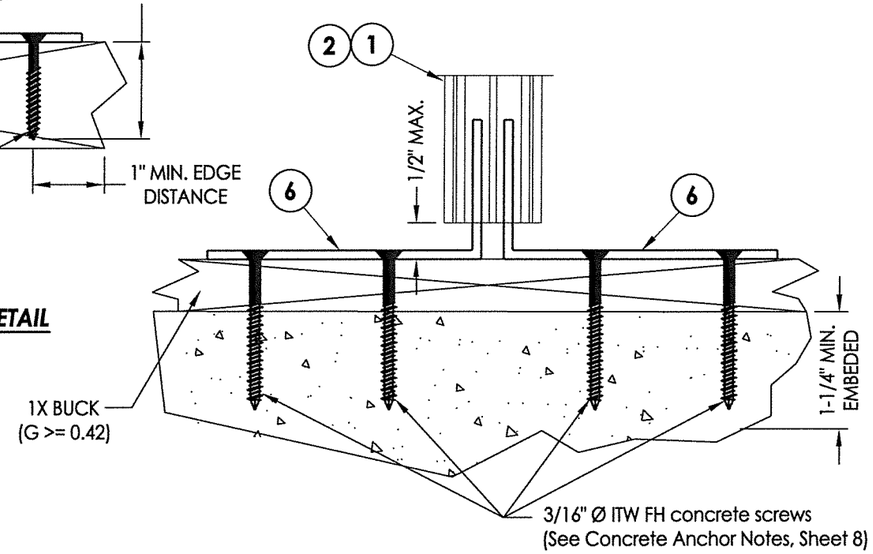
3/7 CONCRETE ANCHOR BRACKET DETAIL
Anchor Direct to Masonry



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:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: *CLIPPED MULLION*

PART OR ASSEMBLY: *ANCHOR BRACKET DETAILS*

NO.	DATE	BY
4	7/29/20	LFS
3	9/26/17	JK
2	12/07/15	LFS
1	04/22/15	JK

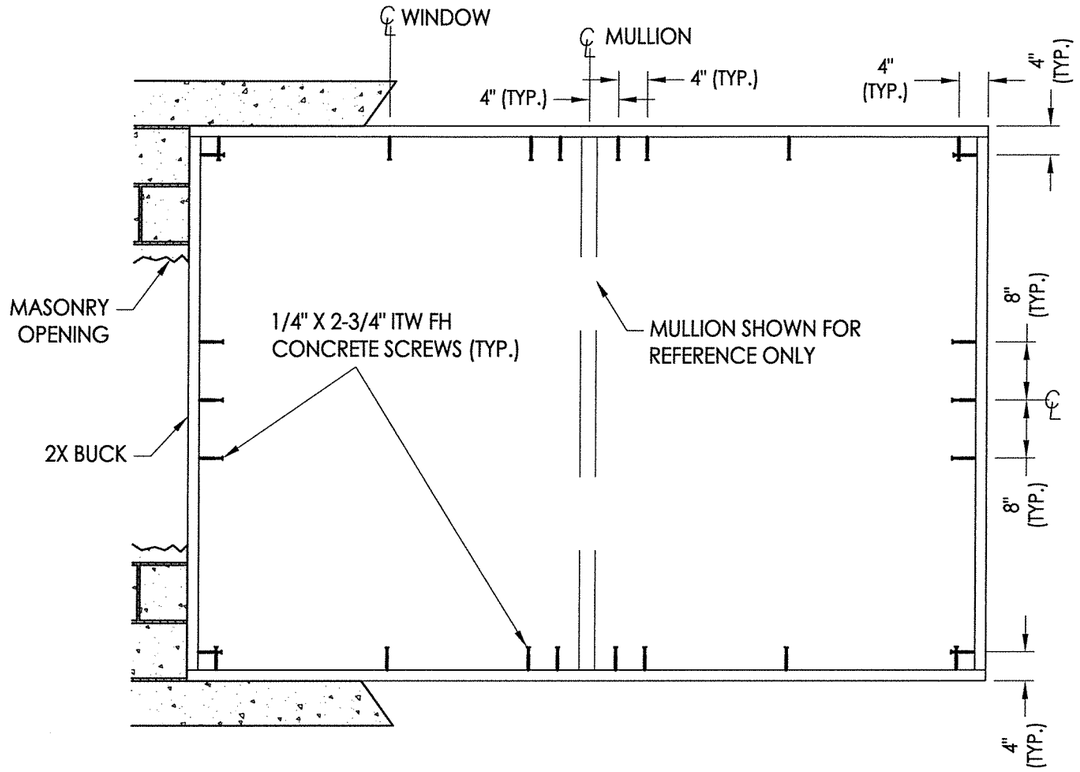
REVISIONS

UPDATE TO 7TH ED (2020) FBC
UPDATE TO 6TH ED. (2017) FBC
REVISED 4175 MULLION
UPDATE TO 5TH ED. (2014) FBC

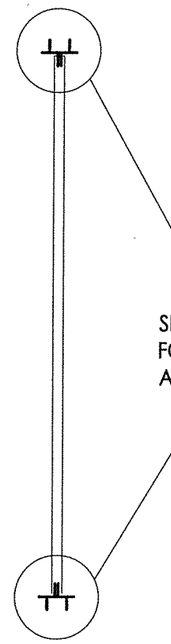
DATE: 1/7/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15413.4
SHEET 7 OF 8

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2X BUCK ANCHORING



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.

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

July 30, 2020

Documents Prepared By:
Lyndon F. Schmidt
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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		
4	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS	JK
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK	LFS
2	12/07/15	REVISED 4175 MULLION	LFS	JK
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-15413.4
SHEET 8 OF 8

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