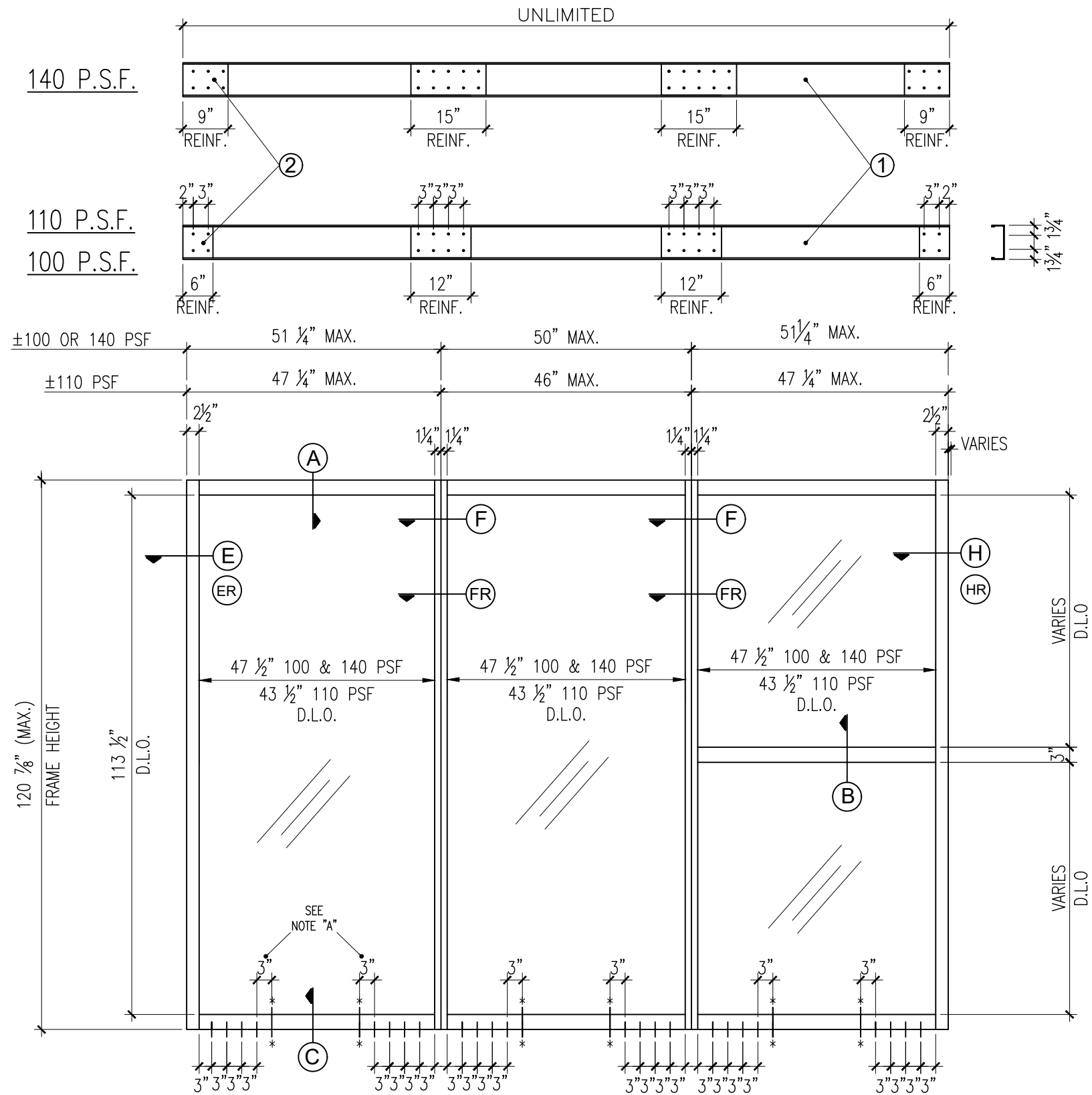


HEAD RECEPTOR



NOTE "A"

* ADD (2) ANCHORS TO EACH PANEL WHEN LOAD = 140 P.S.F. ITEM ⑧ IS 18" LONG

DESIGN LOAD CAPACITY (P.S.F.)		MULLION REINFORCING CHANNELS	MAXIMUM D.L.O. WIDTH	MAXIMUM WINDOW WIDTH
POSITIVE	NEGATIVE			
110	110	NO	43 1/2"	46
140	140	YES	47 1/2"	50
100	100	NO	47 1/2"	50

C.G.S. SERIES 3100 FIXED WINDOW WALL

NOTES:

1. THIS FIXED WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) CHAPTER 16 AND 24, UNDER THE SPECIFIC CONDITION SHOWN ON THIS DRAWING. REF. FTL TEST No. 5246 & BWT TEST NO. BT-CON-16-006
2. ALL EXTRUSIONS ARE ALUMINUM, 6005-T5 ALLOY, WITH A MINIMUM Fy OF 35.000 P.S.I.
3. SMALL MISSILE IMPACT: INSTALLATION UP TO 30 FT ABOVE GRADE WILL REQUIRE A HURRICANE PROTECTION SYSTEM. BUT FOR INSTALLATION ABOVE 30 FT ABOVE GRADE WILL NOT REQUIRE A HURRICANE PROTECTION SYSTEM.
4. ALL INSTALLATION ANCHORS ARE 5/16" Ø ELCO ULTRA CON OR DEWALT ULTRA CON W/ 1 3/4" MIN. EMBEDMENT INTO 3515 PSI CONCRETE OR BETTER.
5. SHIMS. USE HARD PLASTIC.
6. APPROVED STRUCTURAL SILICONE:
A) 795 DOW CORNING
B) SCS 2000 BY GE
C) PROGLAZE SSG BY TREMCO
D) DOW CORNING CONTRACTORS WEATHERPROOFING SEALANT

Continental Glass Systems, LLC.
325 West 74 Place
Hialeah Florida, 33014
Phone 305-231-1101 Fax 305-231-1103

Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

REVISION		Date		By Description	
No	Date	No	Date	By	Description
2	10/16/12	2	10/16/12	REVISION	
3	5/14/15	3	5/14/15	FBC CODE UPDATE	
4	07/20/16	4	07/20/16	SM MD RFR COMMENT	
5	10/10/20	5	10/10/20	SL 2020 CODE CHANGE	
Date		SEP-18-07			
Scale					
Design by		G. S.			
Drawing by		RICHARD			
Checked by		G. S.			
Drawing No.		FXD-3100-SM			
Sheet		1 of 8			

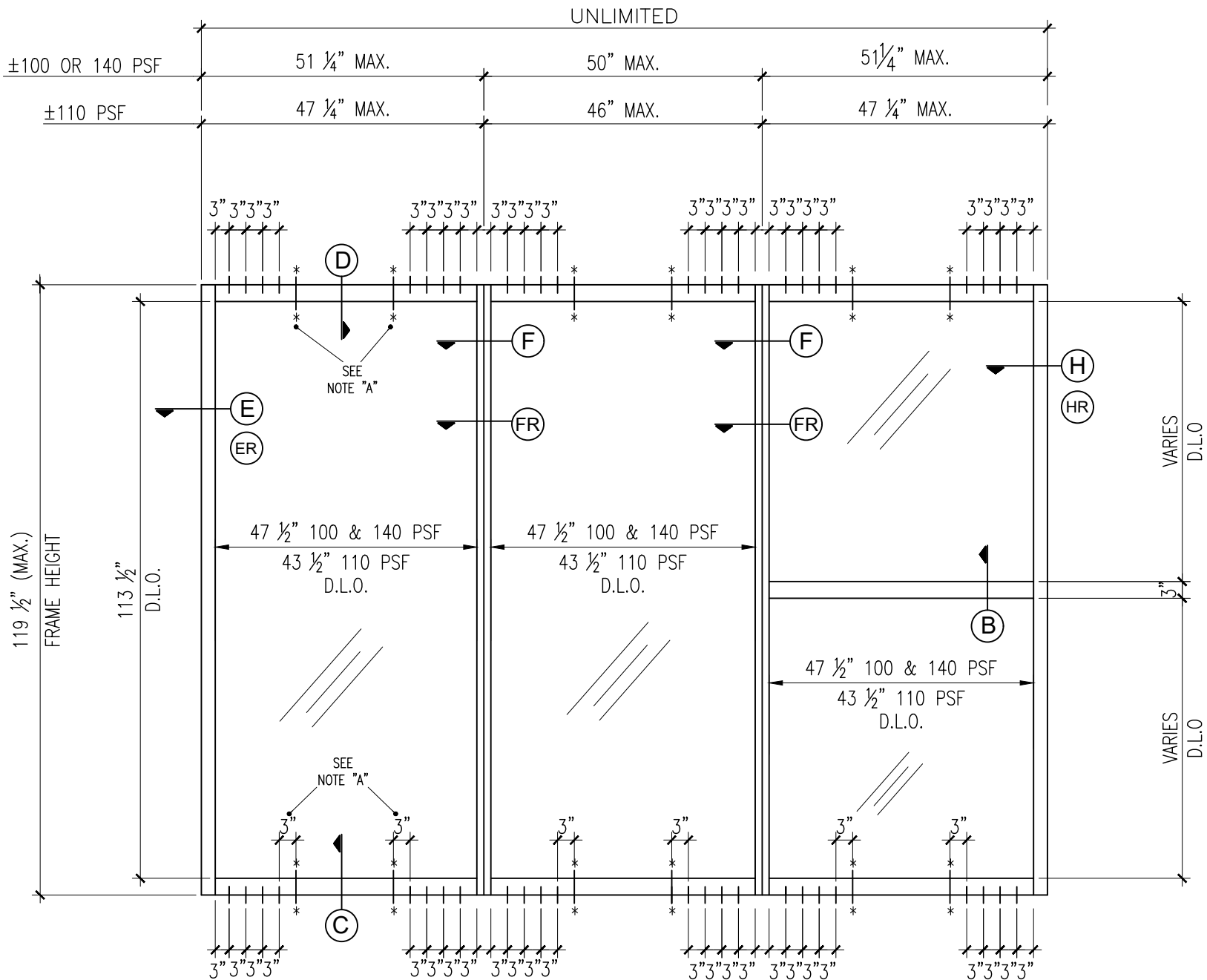
ELEVATION

Soumel Loriga

Soumel Loriga
LICENSE
No. 77736
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Soumel Loriga, P.E.
FL P.E. # 77736
SLM ENGINEERS LLC
FBPE CERT. # 30891

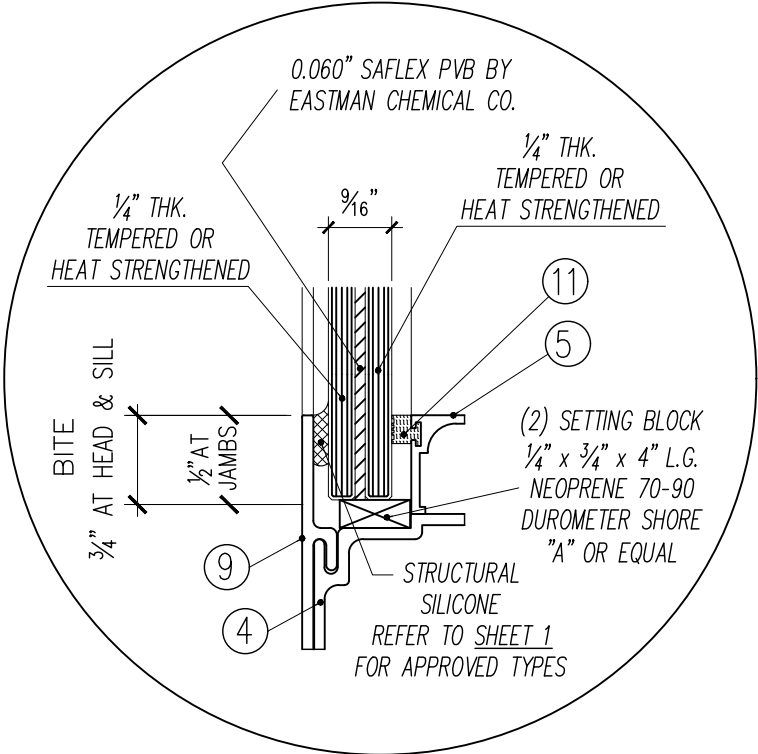
HEAD STANDARD FRAME



FIXED WINDOW ELEVATION
EXTERIOR VIEW

NOTE "A"
* ADD (2) ANCHORS TO EACH
PANEL WHEN LOAD = 140 P.S.F.
ITEM (8) IS 18" LONG

DESIGN LOAD CAPACITY (P.S.F.)		MULLION REINFORCING CHANNELS	MAXIMUM D.L.O. WIDTH	MAXIMUM WINDOW WIDTH
POSITIVE	NEGATIVE			
110	110	NO	43 1/2"	46
140	140	YES	47 1/2"	50
100	100	NO	47 1/2"	50



GLAZING DETAIL

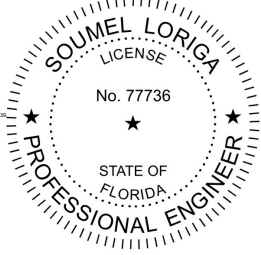
Continental Glass Systems, LLC.
325 West 74 Place
Hialeah Florida, 33014
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Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

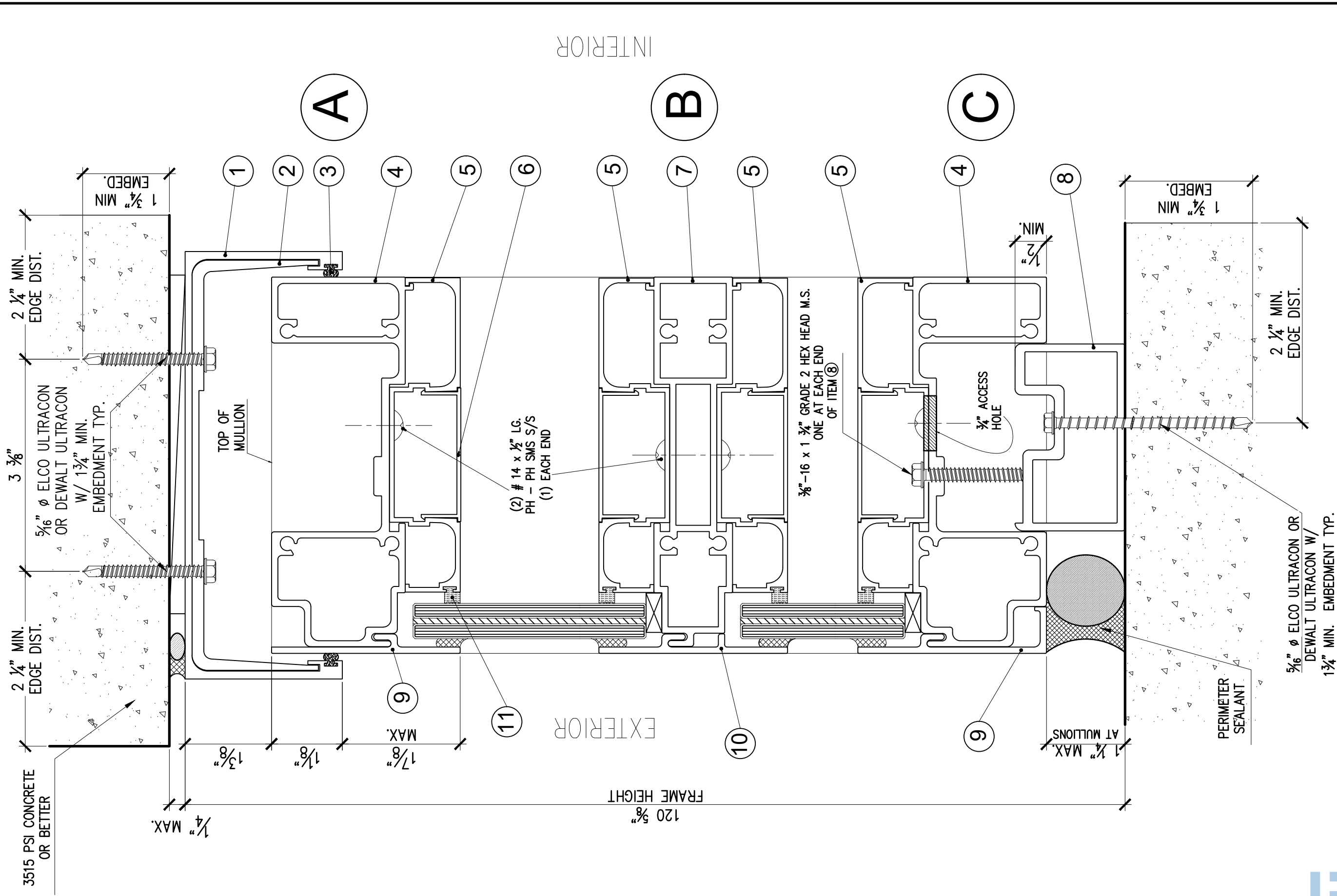
REVISION		By	Description
No	Date		
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2	10/16/12		REVISION
3	07/20/16	SM	MD RER COMMENT
4	10/10/20	SL	2020 CODE CHANGE

Date	SEP-18-07
Scale	
Design by	G. S.
Drawing by	RICHARD
Checked by	G. S.
Drawing No.	FXD-3100-SM
Sheet 2	of 8

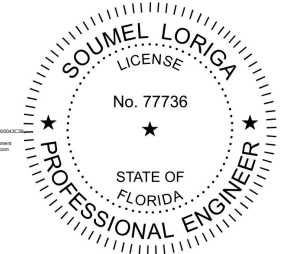
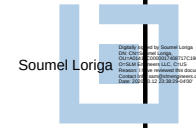
ELEVATION



Soumel Loriga, P.E.
FL P.E. # 77736
SLM ENGINEERS LLC
FBPE CERT. # 30891



WINDOW SECTIONS
WITH HEAD RECEPTOR

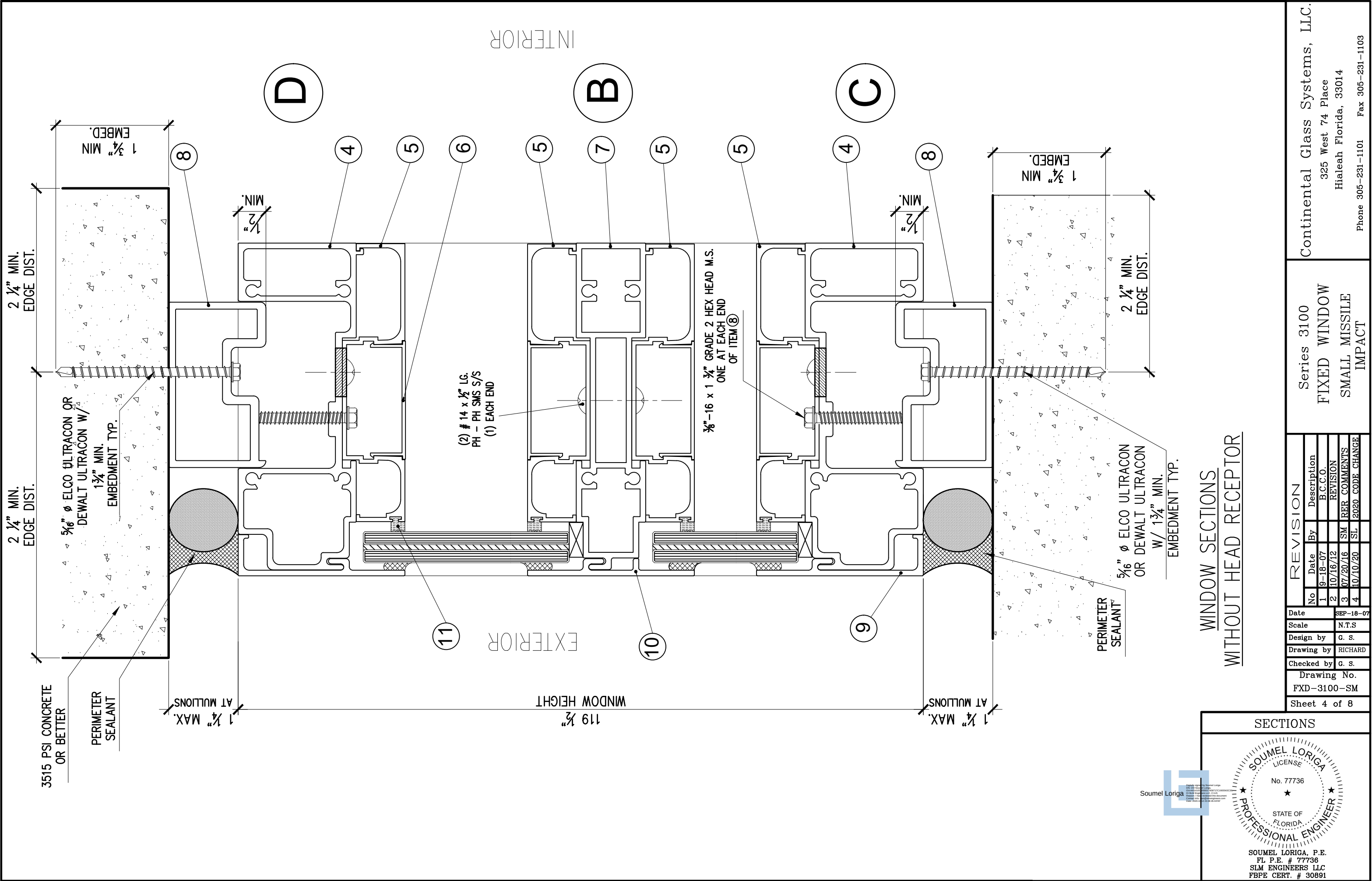


SOUMEL LORIGA, P.E.
FL P.E. # 77736
SLM ENGINEERS LLC
FBPE CERT. # 30891

REVISION			
No	Date	By	Description
1	9-18-07		B.C.C.O.
2	10/16/12		REVISION
3	07/20/16	SM	MD RER COMMENT
4	10/10/20	SL	2020 CODE CHANGE
Date		SEP-18-07	
Scale		N.T.S.	
Design by		G. S.	
Drawing by		RICHARD	
Checked by		G. S.	
Drawing No.			
FXD-3100-SM			
Sheet 3 of 8			

Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

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WINDOW SECTIONS
WITHOUT HEAD RECEPTOR

SECTIONS

SOUHEL LORIGA
LICENSE
No. 77736
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SOUHEL LORIGA, P.E.
FL P.E. # 77736
SLM ENGINEERS LLC
FBPE CERT. # 30891

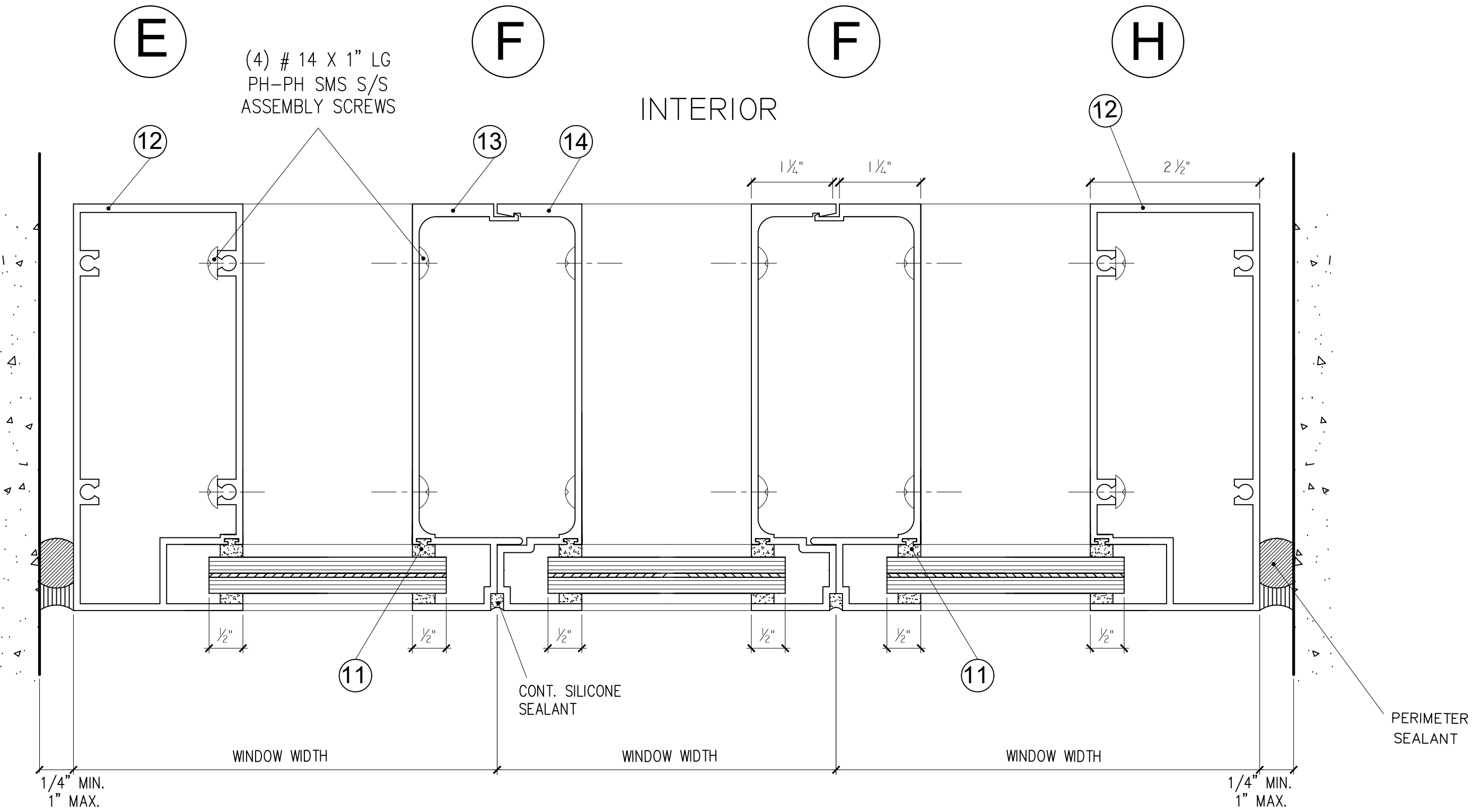
REVISION

No	Date	By	Description
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2	10/16/12		REVISION
3	07/20/16	SM	REP COMMENTS
4	10/10/20	SL	2020 CODE CHANGE

Date: SEP-18-07
Scale: N.T.S.
Design by: G. S.
Drawing by: RICHARD
Checked by: G. S.
Drawing No. FXD-3100-SM
Sheet 4 of 8

Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

Continental Glass Systems, LLC.
325 West 74 Place
Hialeah Florida, 33014
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NOTES:

1. BACKER ROD DIAMETER EQUALS SEALANT WIDTH x 120%
2. SEALANT WIDTH TO DEPTH RATIO SHALL BE 2:1.

Continental Glass Systems, LLC.
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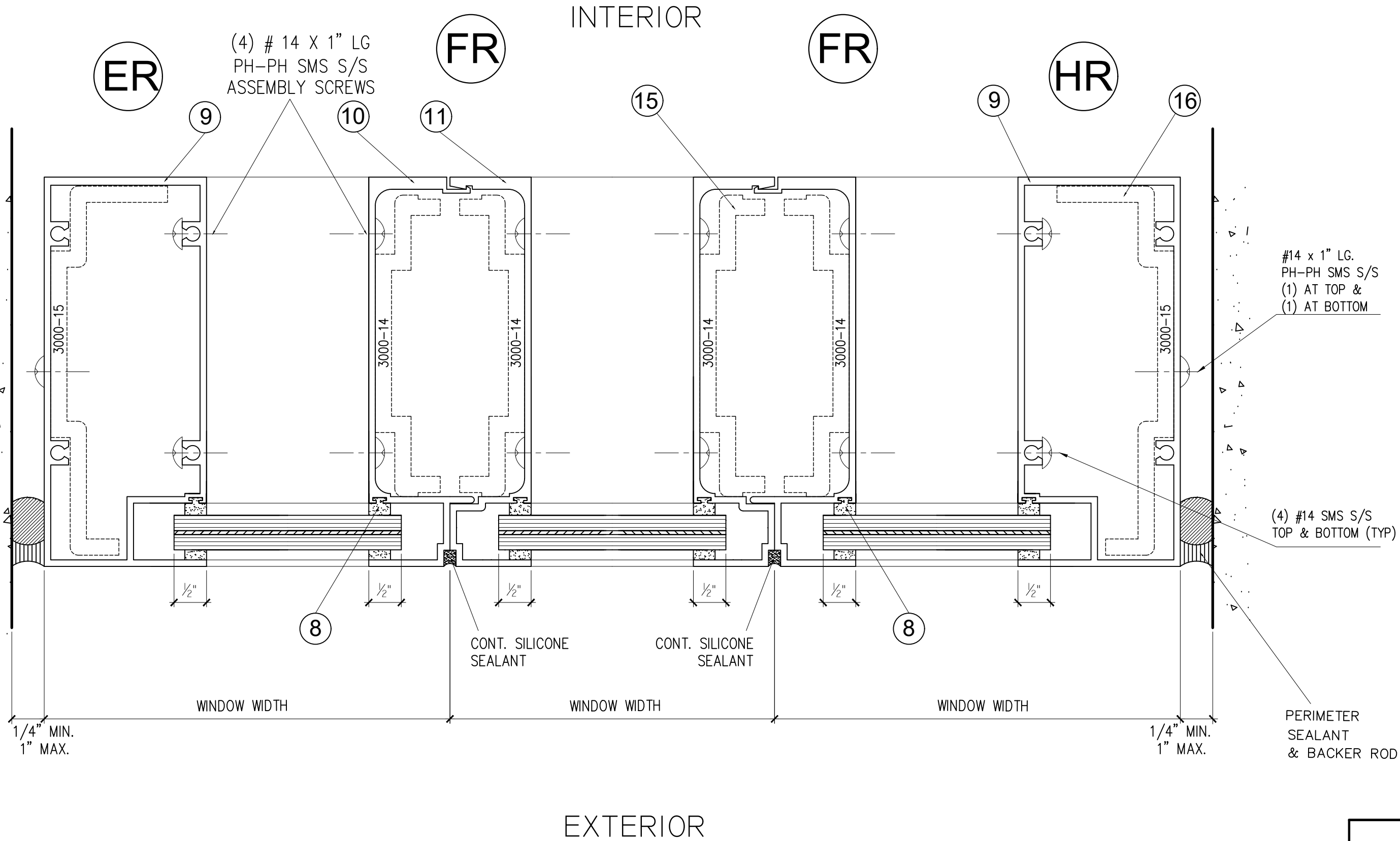
Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

REVISION	
No	Description
1	By B.C.C.O.
2	10/16/12 REVISION
3	07/20/16 SM MD RBR COMMENTS
4	10/10/20 SL/2020 CODE CHANGE
Date SEP-18-07	
Scale	
Design by G. S.	
Drawing by RICHARD	
Checked by G. S.	
Drawing No. FXD-3100-SM	
Sheet 5 of 8	

SECTIONS



Soumel Loriga, P.E.
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SLM ENGINEERS LLC
FBPE CERT. # 30891



NOTES:

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2. SEALANT WIDTH TO DEPTH RATIO SHALL BE 2:1.

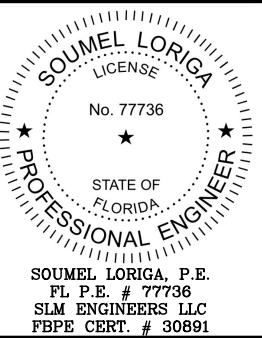
Continental Glass Systems, LLC.
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Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

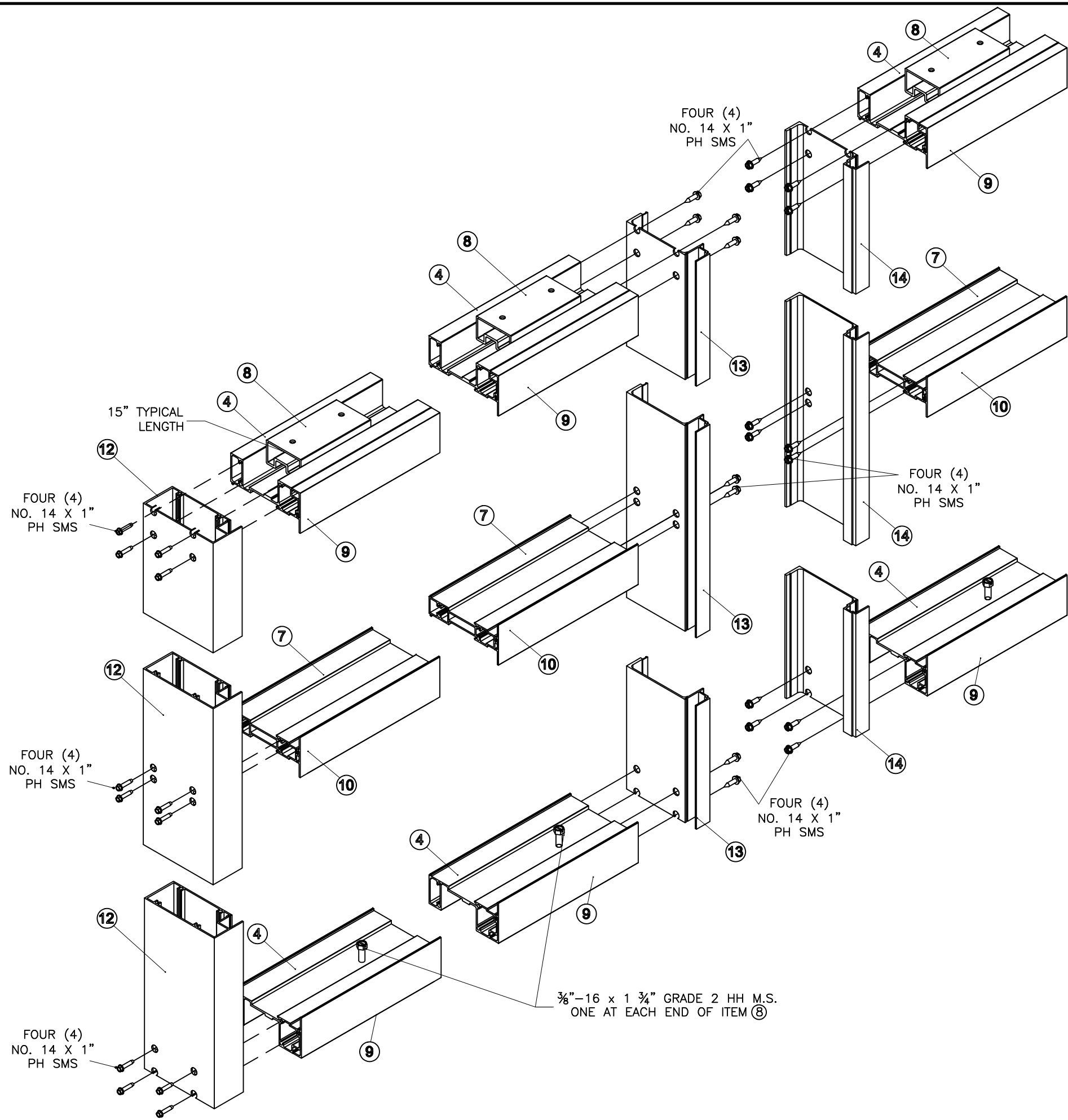
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3	07/20/16 SMD RER COMMENTS
4	10/10/20 SMD 2020 CODE CHANGE

Date	SEP-18-07
Scale	
Design by	G. S.
Drawing by	RICHARD
Checked by	G. S.
Drawing No.	FXD-3100-SM
Sheet	6 of 8

SECTIONS



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Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

REVISION			
No	Date	By	Description
1	9-18-07		B.C.O.
2	10/18/12		REVISION
3	07/20/16	SM	MD RER COMMENTS
Date SEP-18-07			
Scale			
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Drawing by RICHARD			
Checked by G. S.			
Drawing No. FXD-3100-SM			
Sheet 7 of 8			

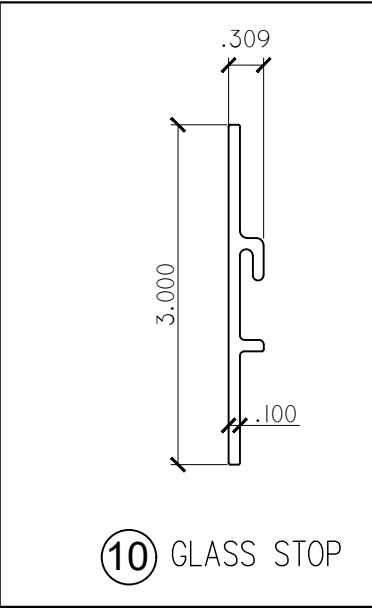
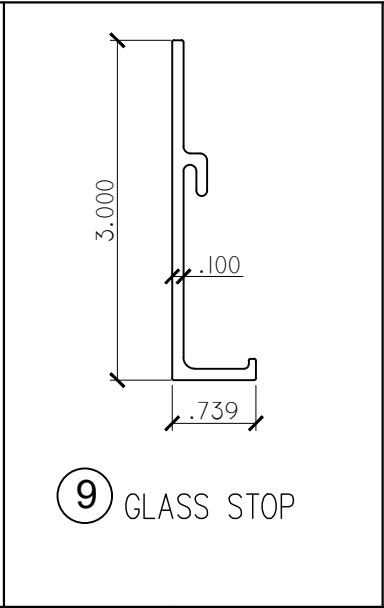
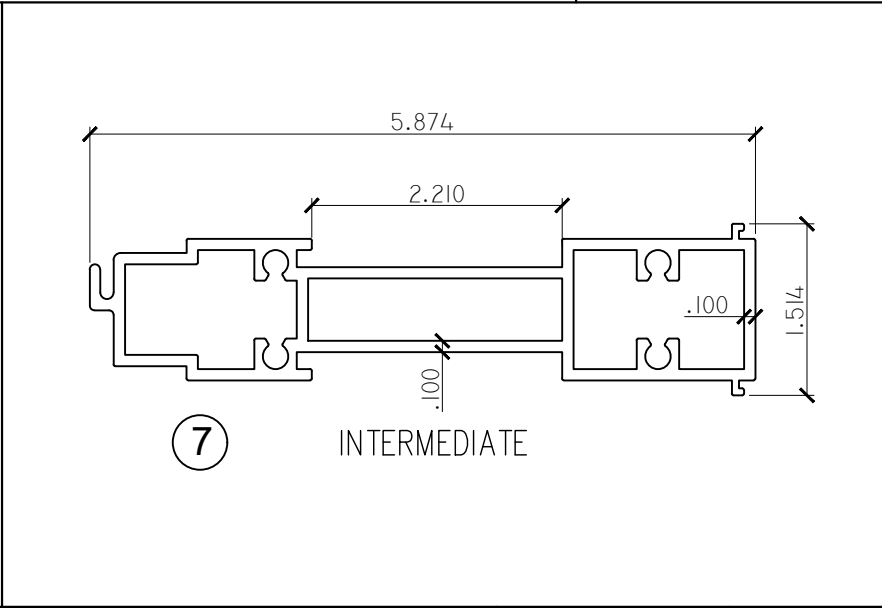
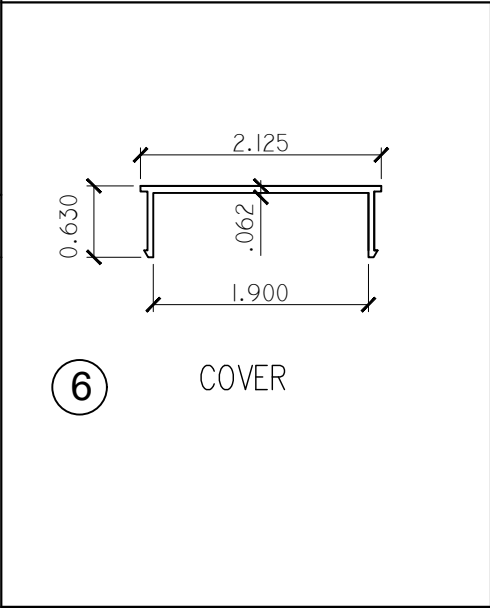
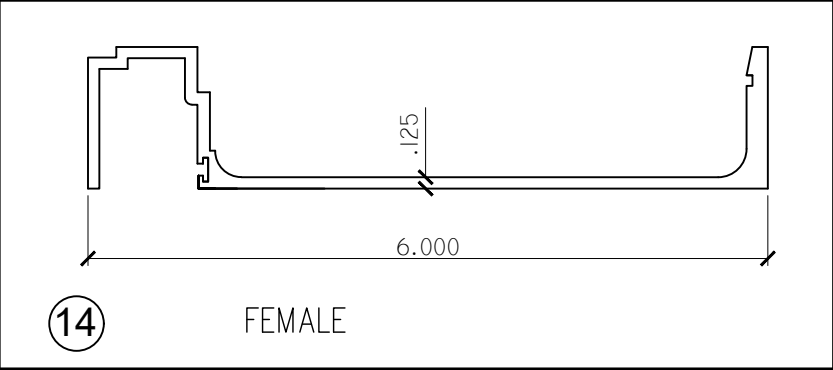
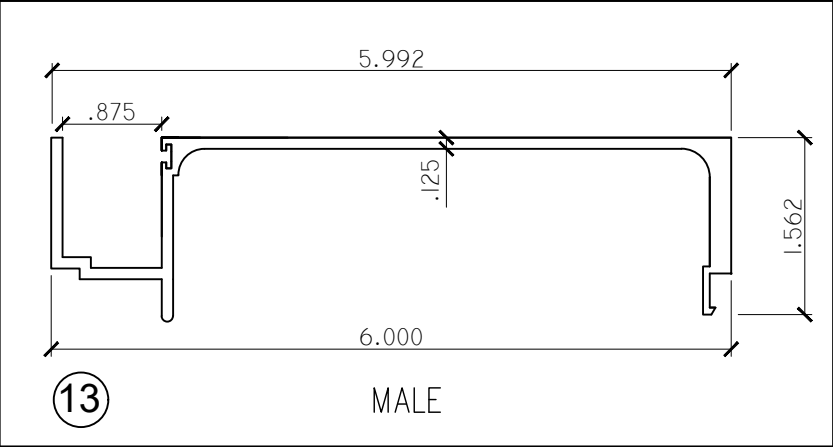
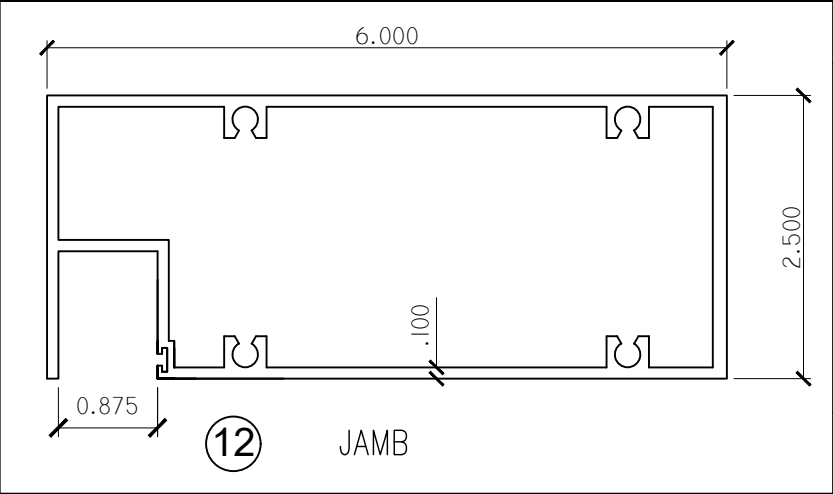
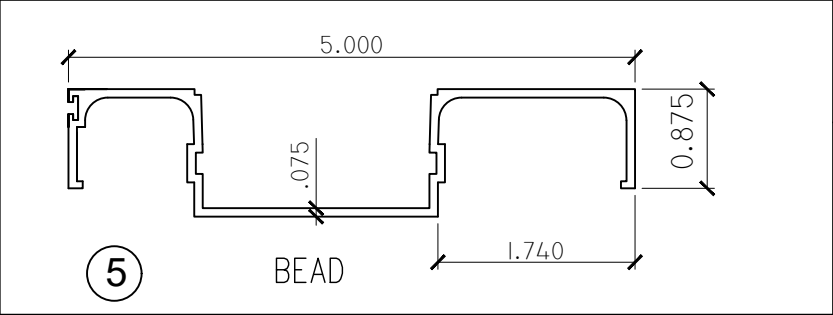
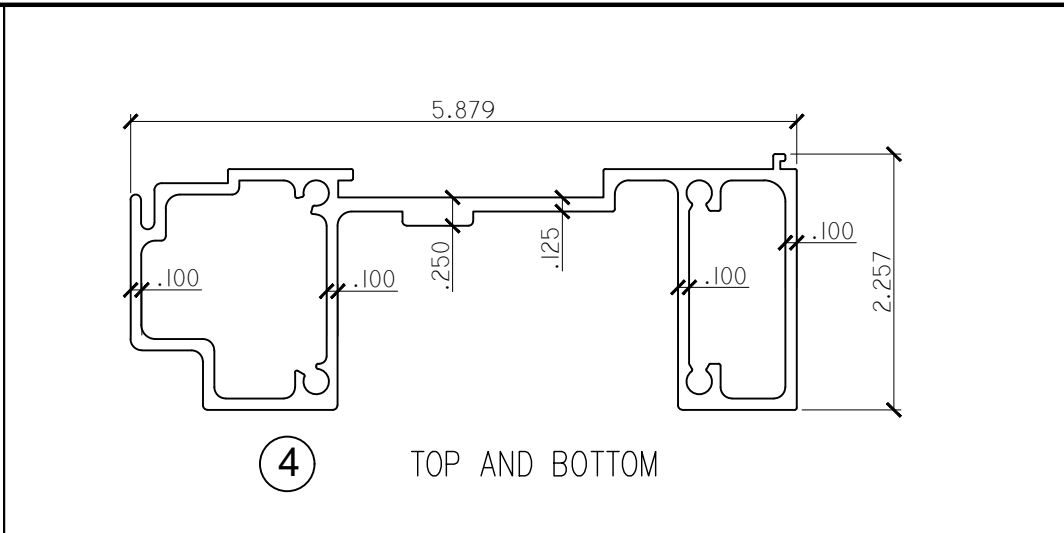
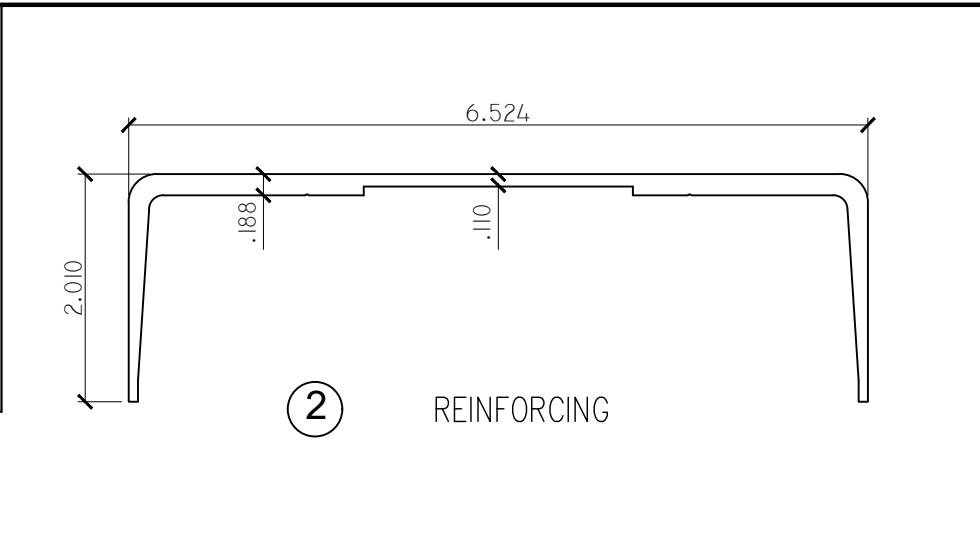
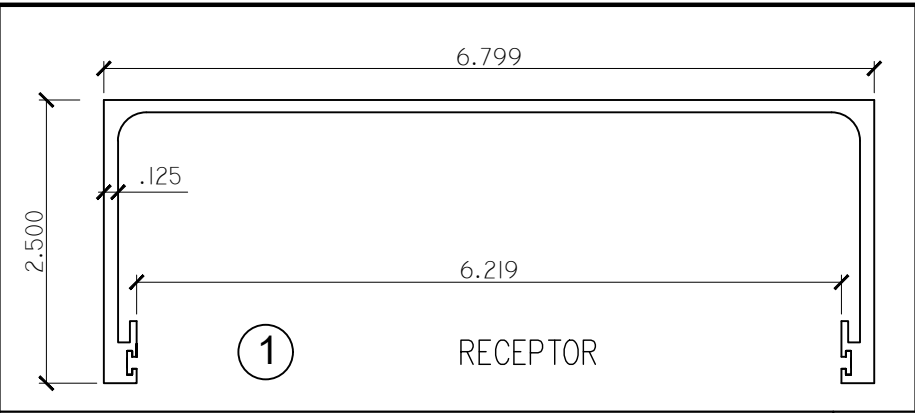


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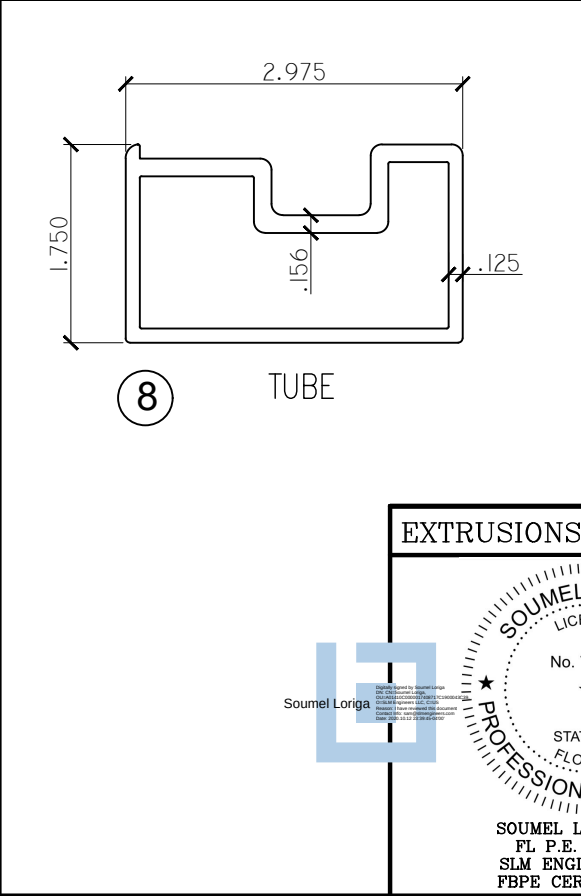
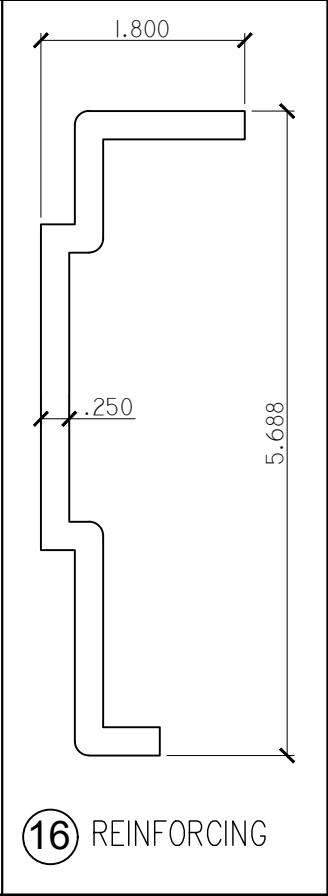
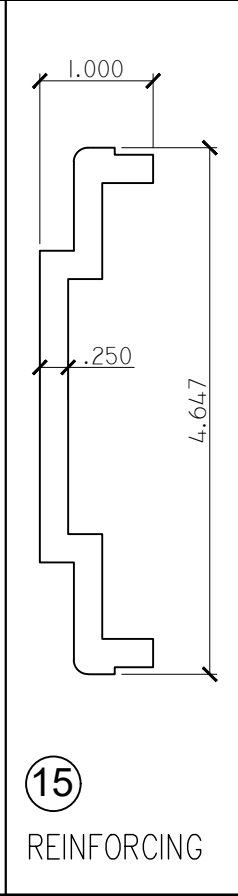
Soumel Loriga

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STATE OF
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PROFESSIONAL ENGINEER

Soumel Loriga, P.E.
FL P.E. # 77736
SLM ENGINEERS LLC
FBPE CERT. # 30891



FIXED WINDOW	ITEM #	PART NUMBER	PART NAME	ALLOY & TEMPERED
	1	2000 - 07	RECEPTOR	6005-T5
	2	2000 - 16	REINFORCING LENGTHS 12" & 15"	6005-T5
	3	FP-448-V	VINYL BULB	PROTOTYPE
	4	3000 - 08	TOP & BOTTOM	6005-T5
	5	3000 - 03	BEAD	6005-T5
	6	3000 - 07	COVER	6005-T5
	7	3000 - 10	INTERMEDIATE	6005-T5
	8	3000 - 12	TUBE LENGTHS 15" & 18"	6005-T5
	9	3000 - 09	GLASS STOP	6005-T5
	10	3000 - 11	GLASS STOP	6005-T5
	11	CGS - 01	GLASS SPACER	PROTOTYPE
	12	3000 - 09	JAMB	6005-T5
	13	3000 - 05	MALE	6005-T5
	14	3000 - 06	FEMALE	6005-T5
	15	3000 - 14	REINFORCING	6005-T5
	16	3000 - 15	REINFORCING	6005-T5



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Series 3100
FIXED WINDOW
SMALL MISSILE
IMPACT

No	Date	By	Description	B.C.C.O.	REVISION	MD	RER	COMMENTS	2020	CODE	CHANGE
1	9-18-07										
2	10/16/12										
3	07/20/16	SM									
4	10/10/20	SL									
Date: SEP-18-07											
Scale:											
Design by: G. S.											
Drawing by: RICHARD											
Checked by: G. S.											
Drawing No. FXD-3100-SM											
Sheet 8 of 8											

EXTRUSIONS AND PARTS

