

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: STAINLESS STEEL.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 13 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING THROUGH INSTALLATION ANGLE AND BRACKET INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. FOR ANCHORING THROUGH INSTALLATION ANGLE AND BRACKET INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
19. FOR ANCHORING THROUGH INSTALLATION ANGLE AND BRACKET INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
20. ALL FASTENERS TO BE CORROSION RESISTANT.
21. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM
22. APPROVED CONFIGURATIONS: XX, X.

SIGNED: 01/30/2019

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REILLY WINDOWS AND DOORS
901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT - HVHZ
NOTES

DRAWN:
A.R.

DWG NO.
08-03363

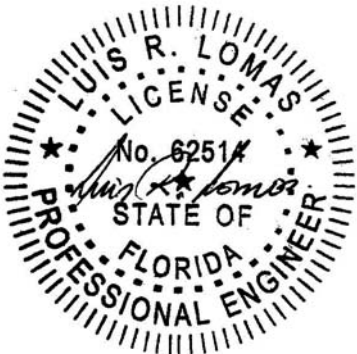
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SCALE NTS

DATE 12/05/18

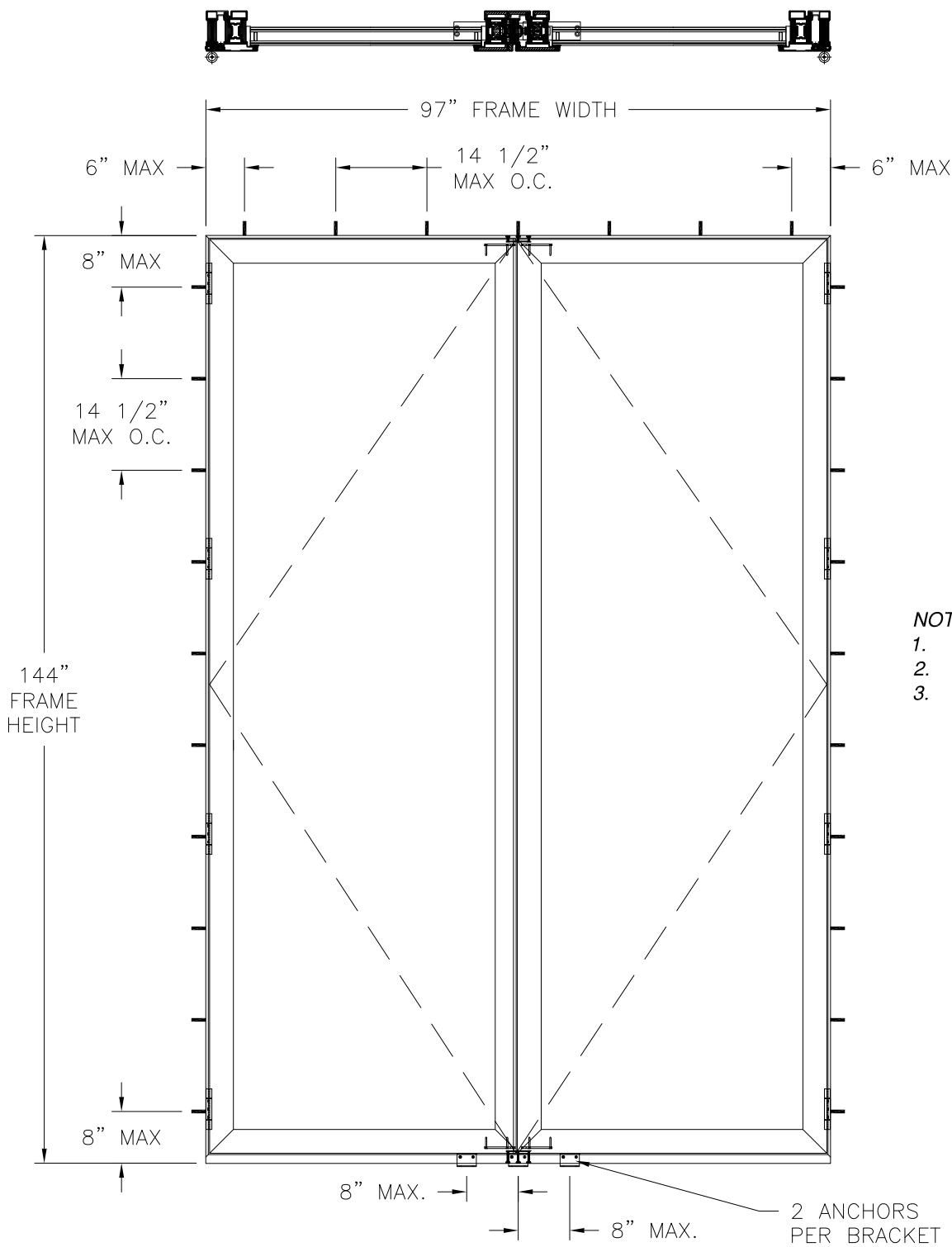
SHEET 1 OF 14

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514

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- NOTES:
1. RIGHT LEAF SIZE.: 48" X 141 7/8"
 2. LEFT LEAF SIZE: 49" X 141 7/8"
 3. D.L.O.: 40 1/2" X 134 1/2"

RWD40J SIDE-HINGED DOOR
EXTERIOR VIEW
FRAME INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
49" X 141 7/8" PANEL SHOWN. OTHER SIZES APPROVED AS LONG AS
PANEL AREA DOES NOT EXCEED 48.27 FT²
SEE CHART #1 FOR RATINGS

HARDWARE SCHEDULE	
A.	(8) HINGES, 8 1/2" FROM BOTTOM OF FRAME AND 42 3/4" MAX. O.C. THEREAFTER
B.	(4) SHOOTBOLT WITH PLATE AND KEEPERS AT TOP AND BOTTOM OF HANDLE STILE
C.	(2) GEAR SETS AT HANDLE STILES
D.	(3) SWING HOOKS AND KEEPERS AT HANDLE STILES
E.	(3) MULTI POINT LOCK WITH KEEPERS AT STILES
F.	(1) DEADBOLT SWEEP LOCK AND KEEPER AT HANDLE STILES, 38" FROM BOTTOM OF UNIT.
G.	(2) STEEL STOCK REINFORCEMENT AT MEETING STILES AND ASTRAGAL
H.	(1) STEEL SQUARE REINFORCEMENT AT RAILS

Chart # 1 Maximum Design pressure (psf)										
Panel Height (in)	Single Panel Width (in)									
	30.0		36.0		42.0		48.0		49.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
78.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
84.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
90.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
96.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
102.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
108.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
114.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
120.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
126.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	69.0	60.0	67.6
132.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	65.8	60.0	64.5
138.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	63.0	60.0	61.7
141.875	60.0	70.0	60.0	70.0	60.0	68.0	60.0	61.0	60.0	60.0

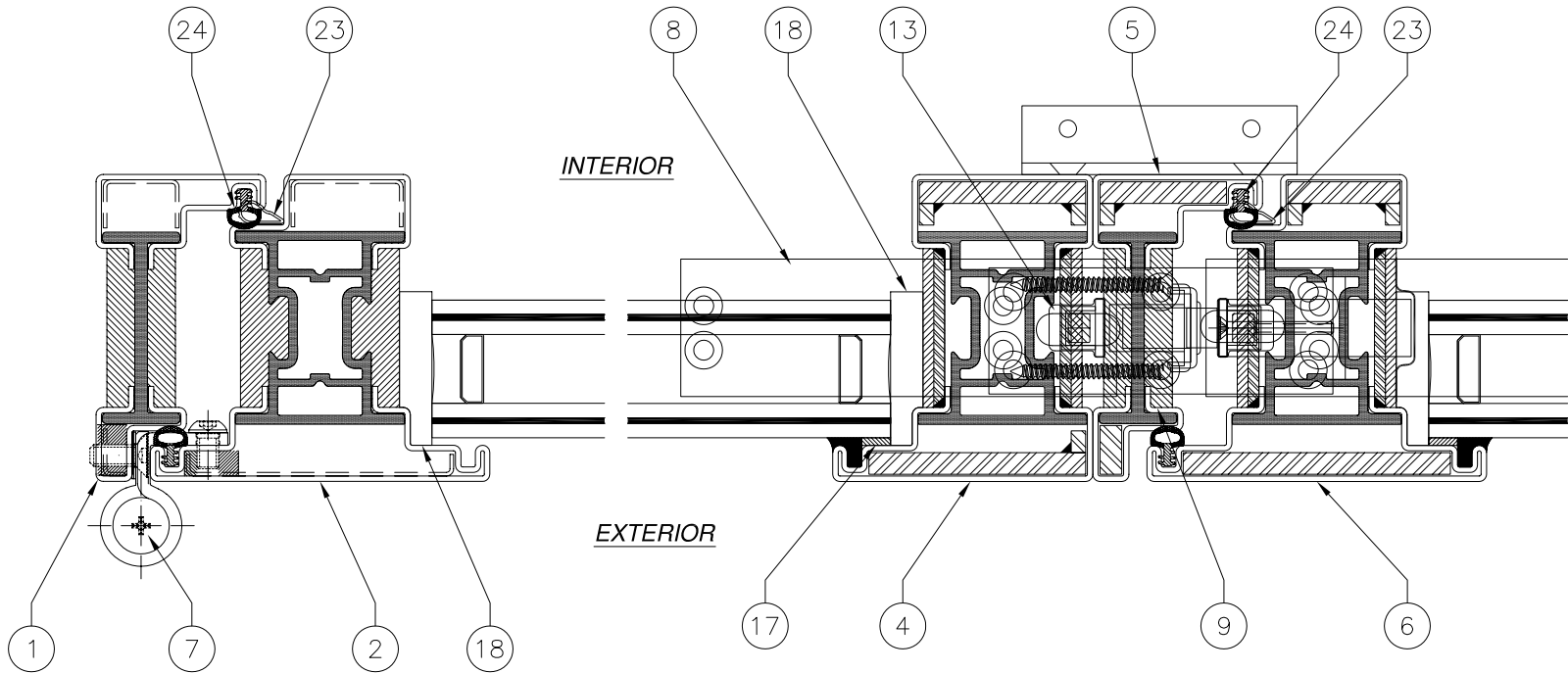
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REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT – HVHZ ELEVATION		
DRAWN: A.R.	DWG NO. 08-03363	REV —
SCALE NTS	DATE 12/05/18	SHEET 2 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

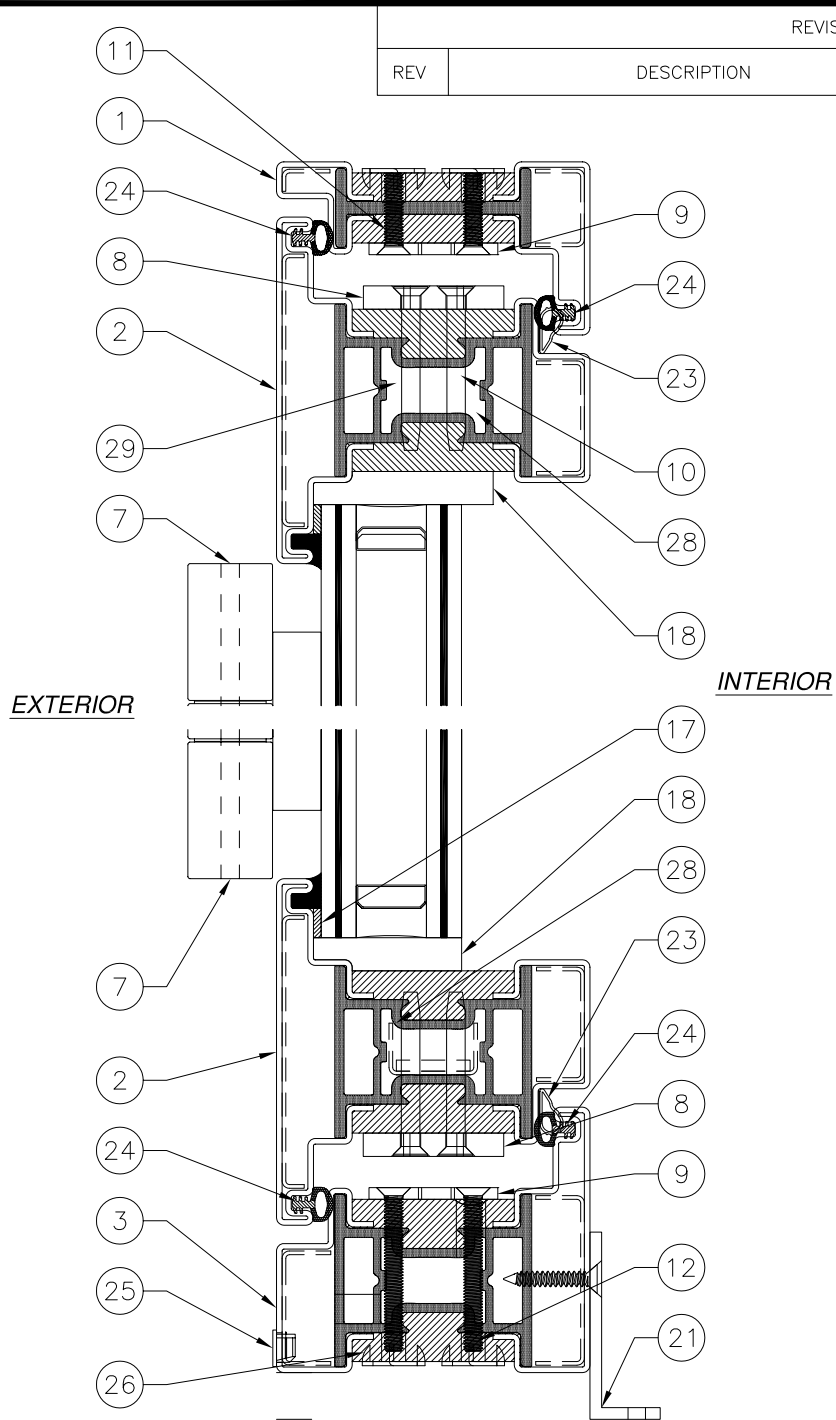


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BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	P1311	JAMB, HEAD AND LEGS		STAINLESS STEEL
2	P1112	SASH HINGE STILE AND RAILS		STAINLESS STEEL
3	P1111	SILL		STAINLESS STEEL
4	P9999A	INACTIVE SASH MEETING STILE		STAINLESS STEEL
5	P1311R	ASTRAGAL		STAINLESS STEEL
6	P9999B	ACTIVE SASH MEETING STILE		STAINLESS STEEL
7	AC1033	HINGE	SECCO	
8		IMPACT SHOOTBOLT SUPPORT PLATE	RWD	
9		IMPACT SHOOTBOLT STRIKE	RWD	
10		#10 X 1 3/4" WOOD SCREW	MCMASTER-CARR	STAINLESS STEEL
11		#10 X 7/8" MACHINE SCREW	MCMASTER-CARR	STAINLESS STEEL
12		#10 X 1 3/4" MACHINE SCREW	MCMASTER-CARR	STAINLESS STEEL
13a	11581438	GEAR, 35 MM BACKSET, 16 MM WIDE, BOTTOM EXTENSION SS, ACTIVE ROLLER	HOPPE	
13b	11581463	ACTIVE SHOOTBOLT, HOOK BOTTOM, 663 MM EXTENSION SS	HOPPE	
13c	3726405	HOOK, MIDDLE EXTENSION 1521 MM SS	HOPPE	
13d	11583198	ACTIVE SHOOTBOLT, 321 MM HOOK, TOP EXTENSION 1206 MM SS	HOPPE	
13e	11579730	INACTIVE GEAR, 35 MM BACKSET, 16 MM WIDE, BOTTOM AND TOP EXTENSION SS	HOPPE	
13f	8786975	INACTIVE SHOOTBOLT, BOTTOM EXTENSION 490 MM SS	HOPPE	
13g	8787011	INACTIVE SHOOTBOLT, TOP EXTENSION 1540 MM SS	HOPPE	
17	6116-BK-3125	GLAZING TAPE, D/S 1/16" X 5/16"	LAMATEK, INC.	
18	995-BK	STRUCTURAL SILICONE SEALANT	DOW	
21	CUSTOM	L-SHAPED INSTALLATION CLIP	RWD	
23	#188S-BK	ZERO COMPRESS-O-MATIC SEAL	ALLEGION	
24	GE 1001TT	BULB GASKET FOR DOORS	SECCO	
25	97-03-00-00	WEEP PLUG	ASHLAND	
26	NO. 10	T-NUT	MCMASTER-CARR	
28		CHANNEL 1X14X24X200 MM	RWD	STAINLESS STEEL
29		PLATE 3X20X200 MM	RWD	STAINLESS STEEL



HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION

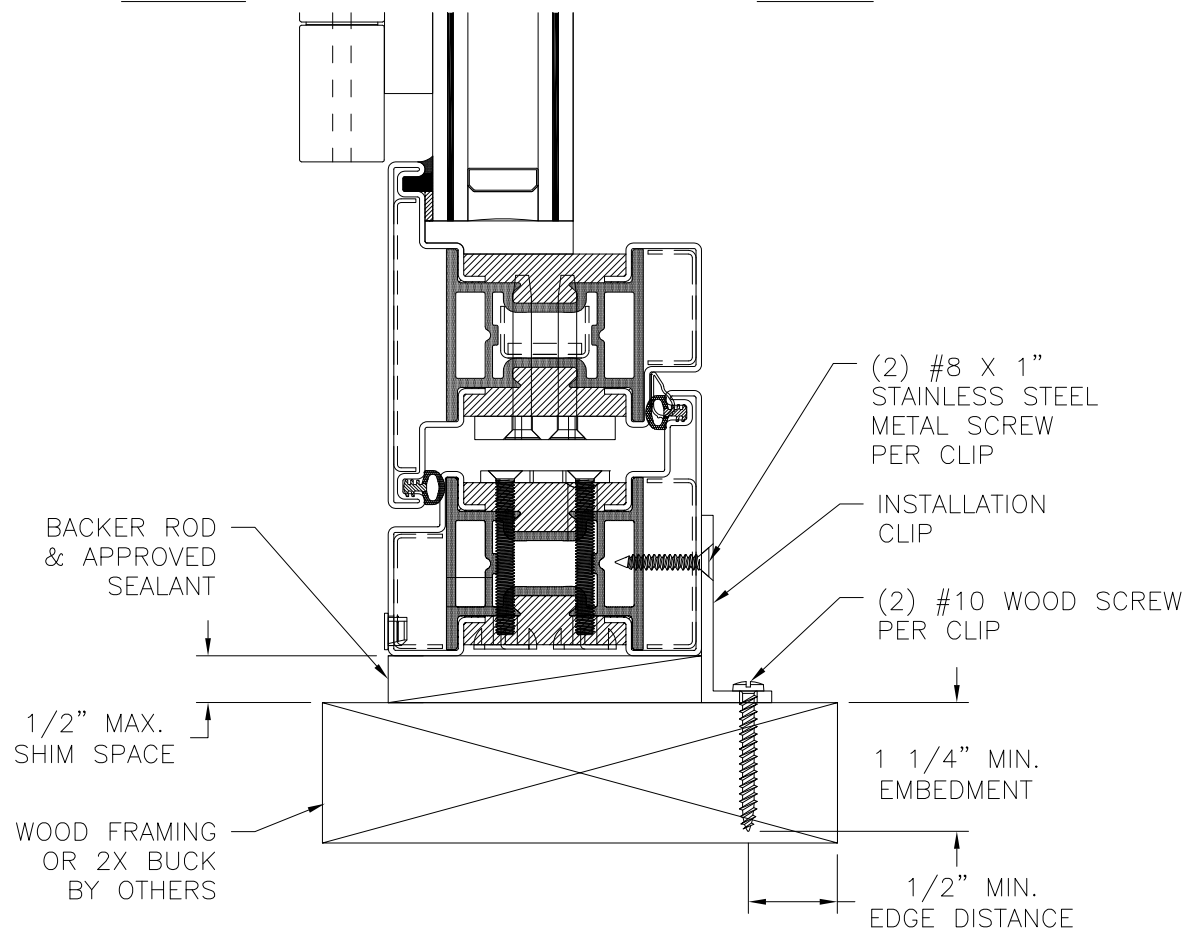
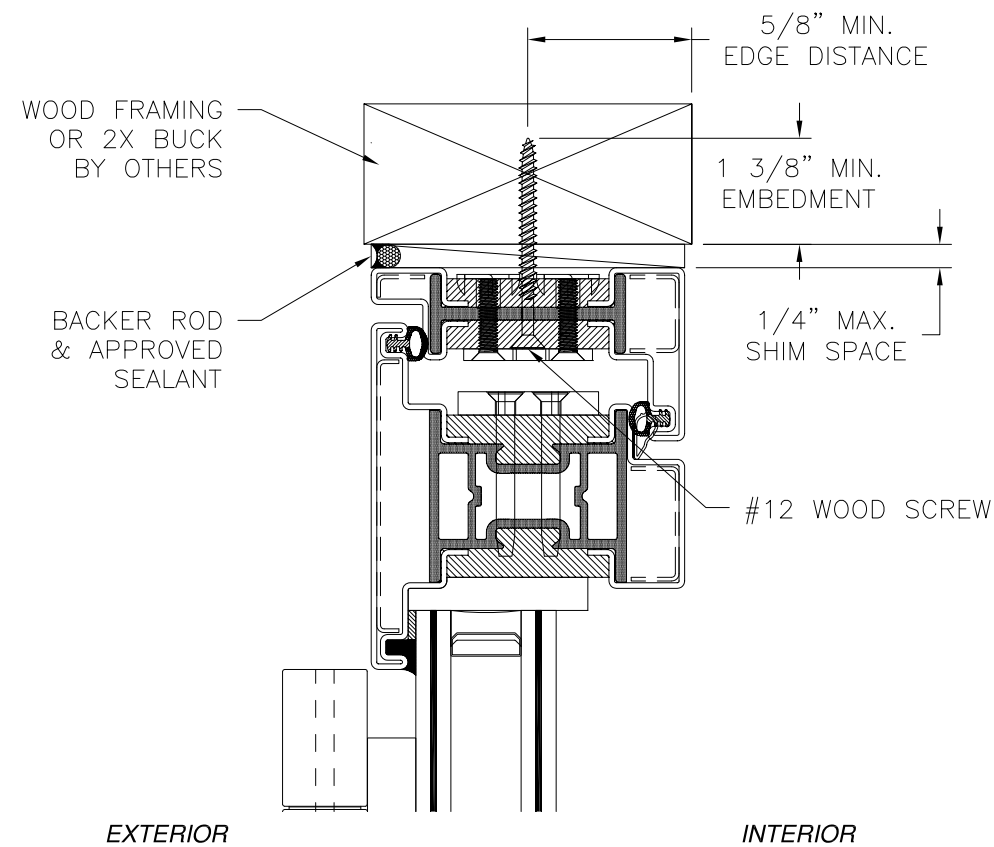
REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT - HVHZ CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 3 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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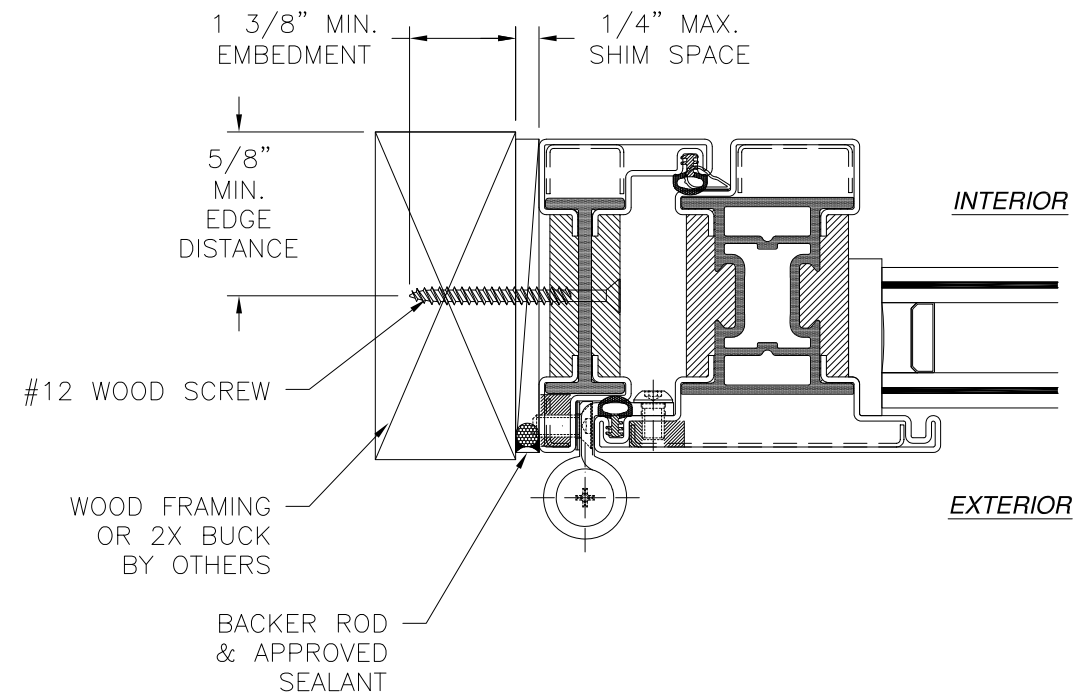


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



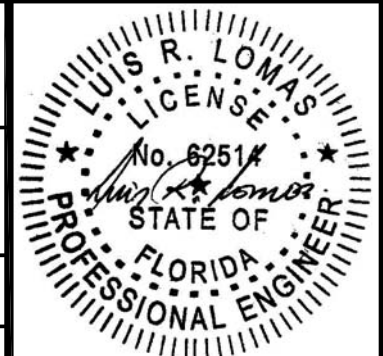
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

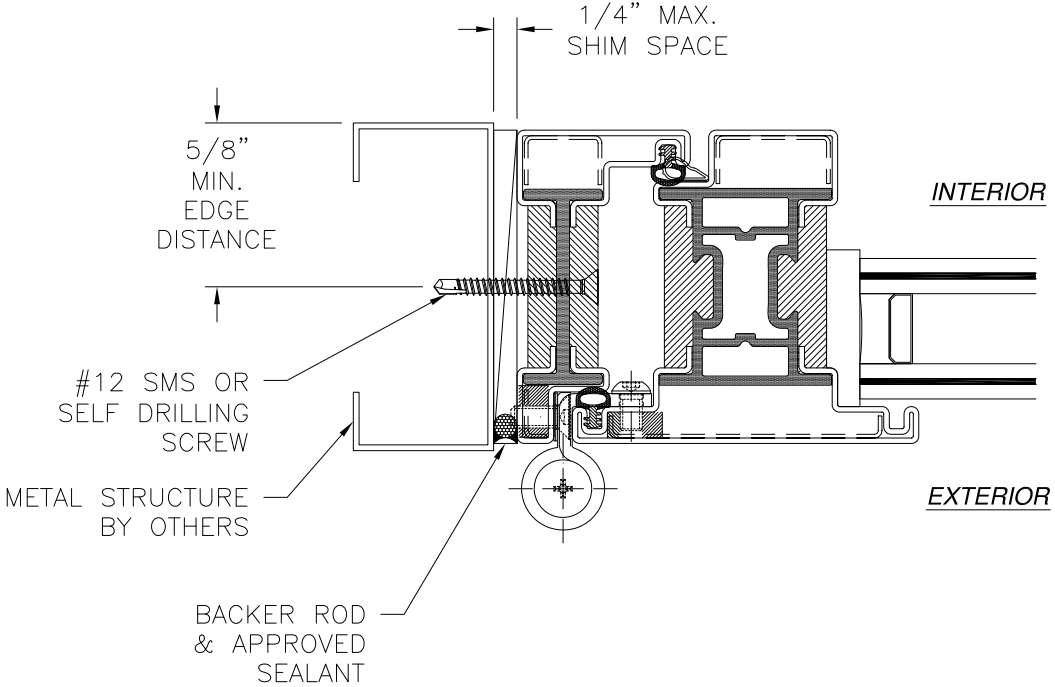
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RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 4 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS

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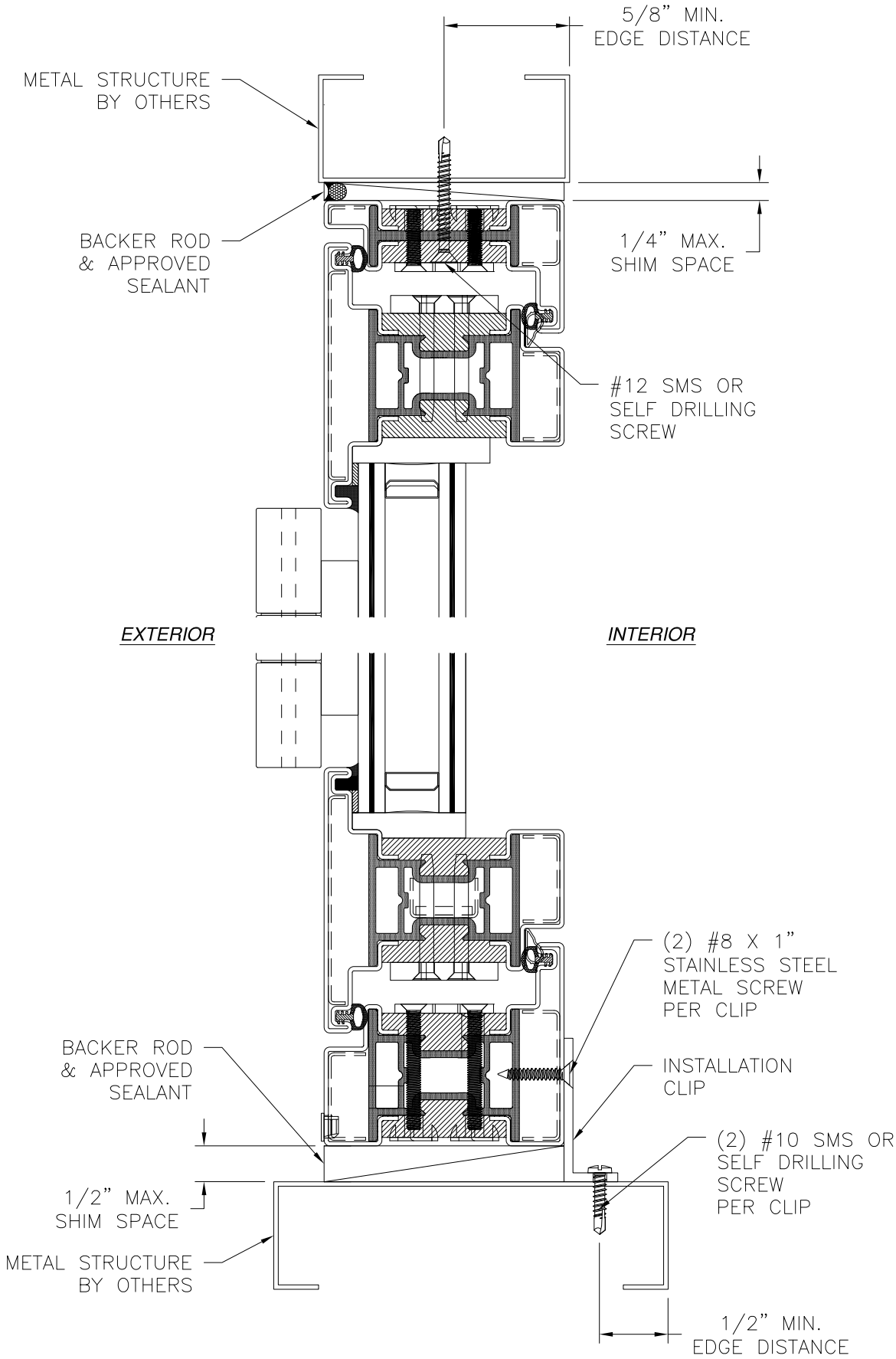
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5 OF 14

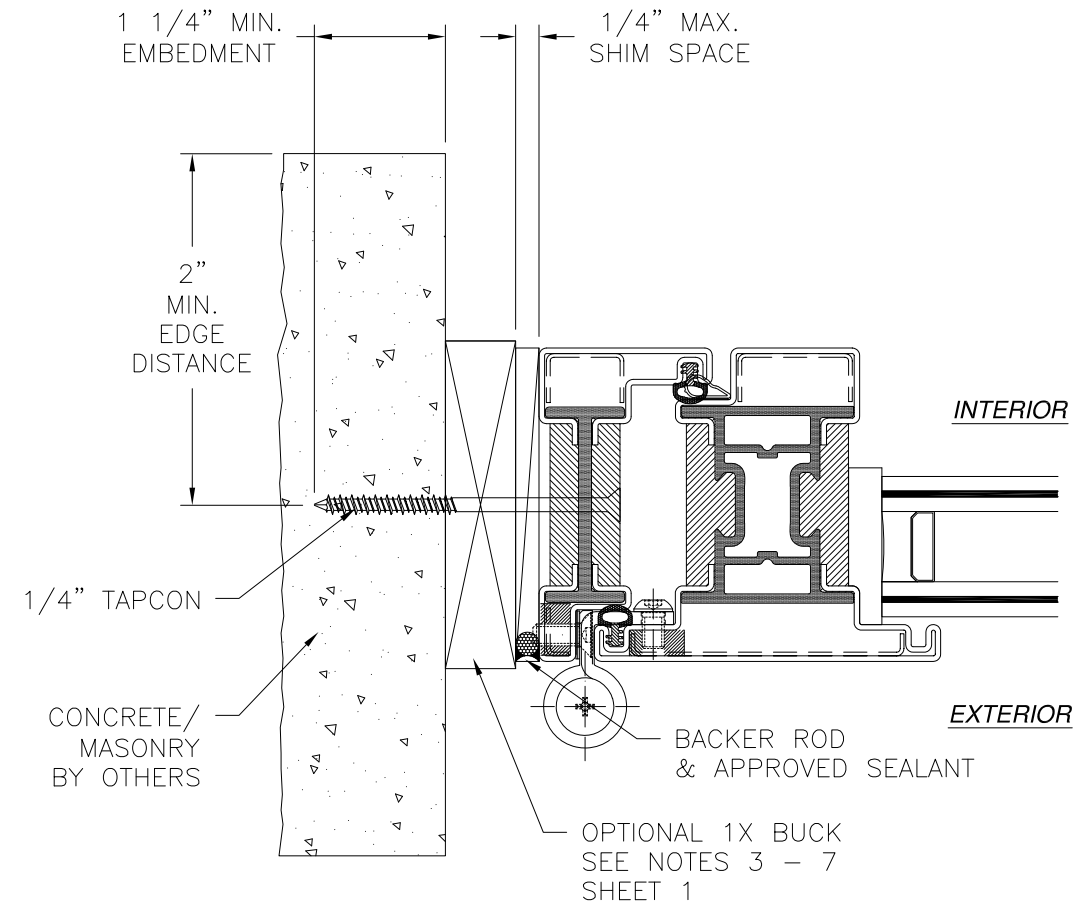
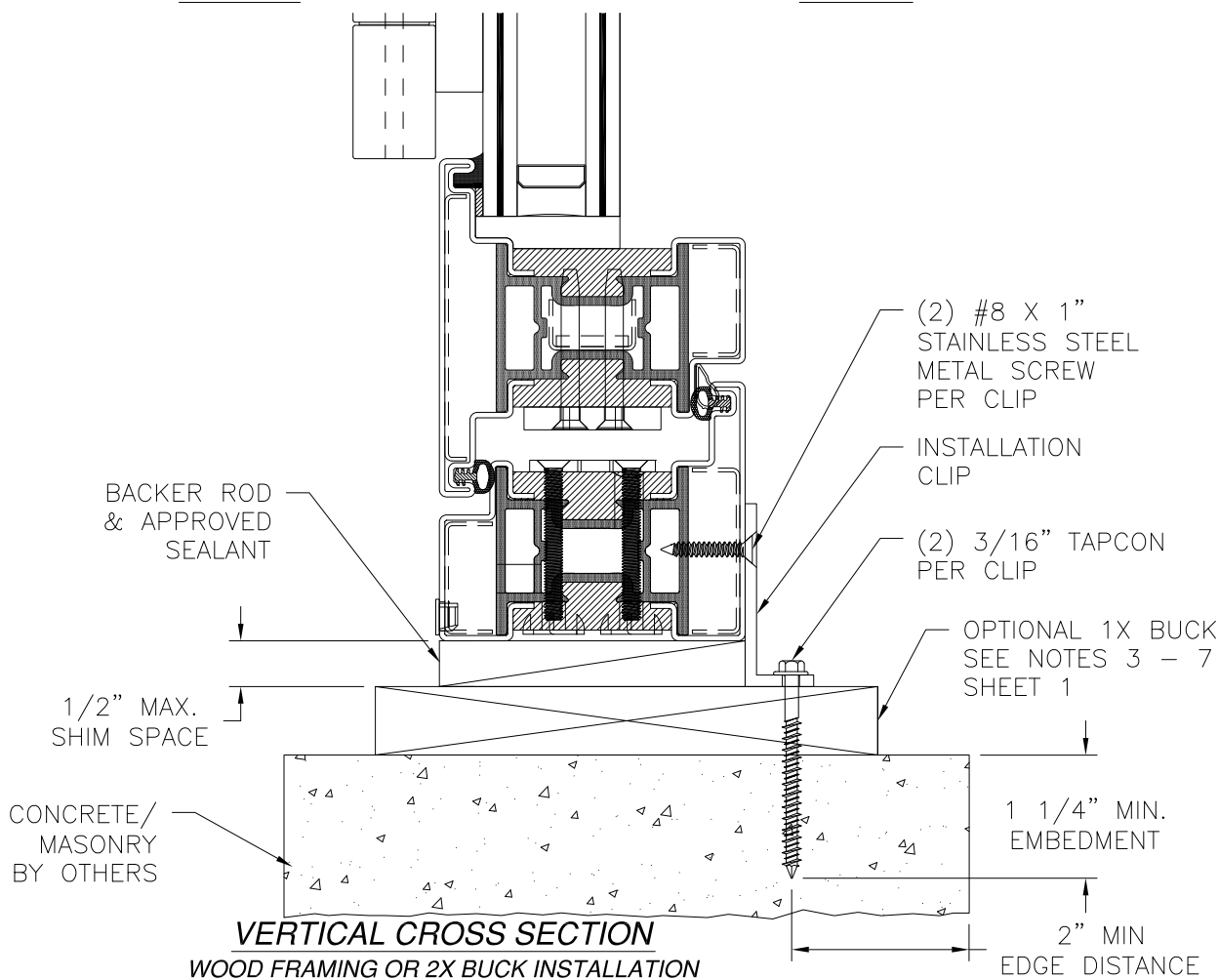
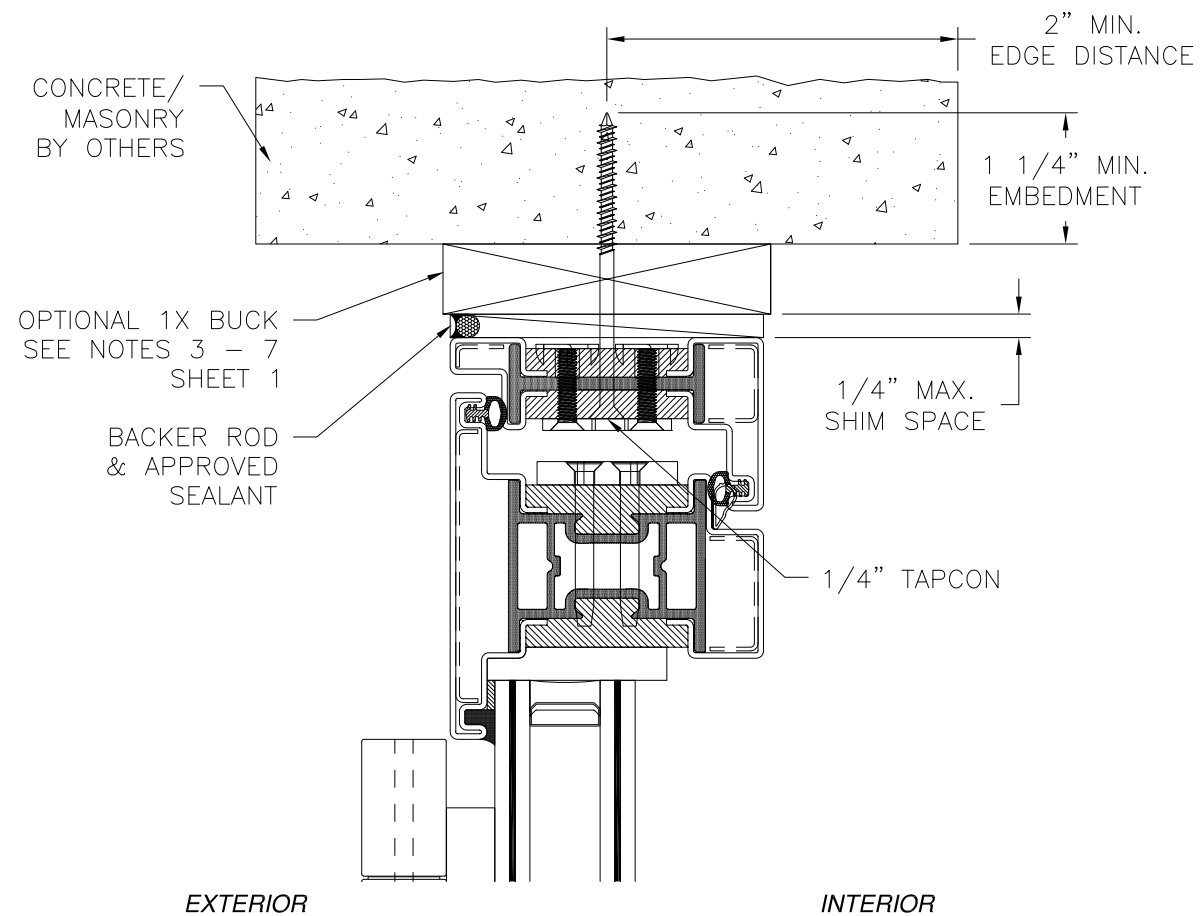
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

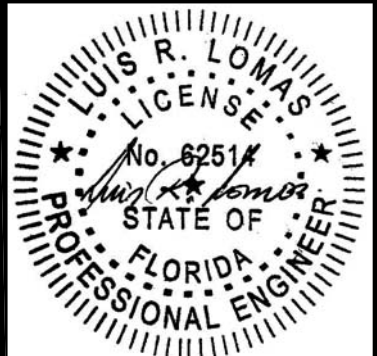
NOTES:

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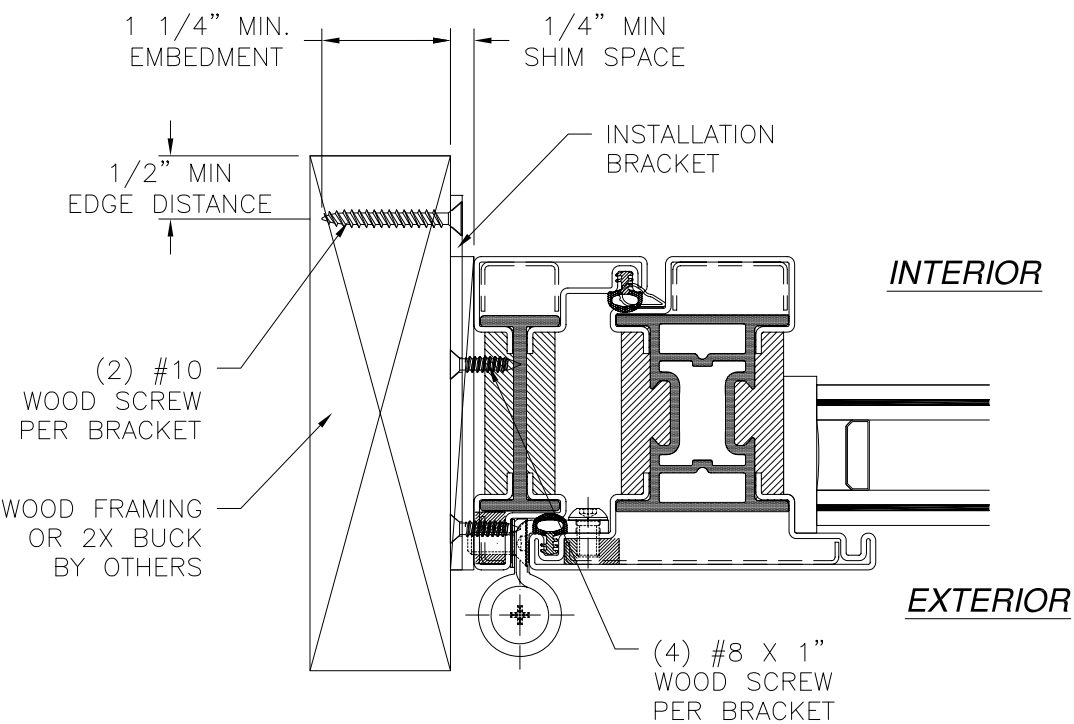
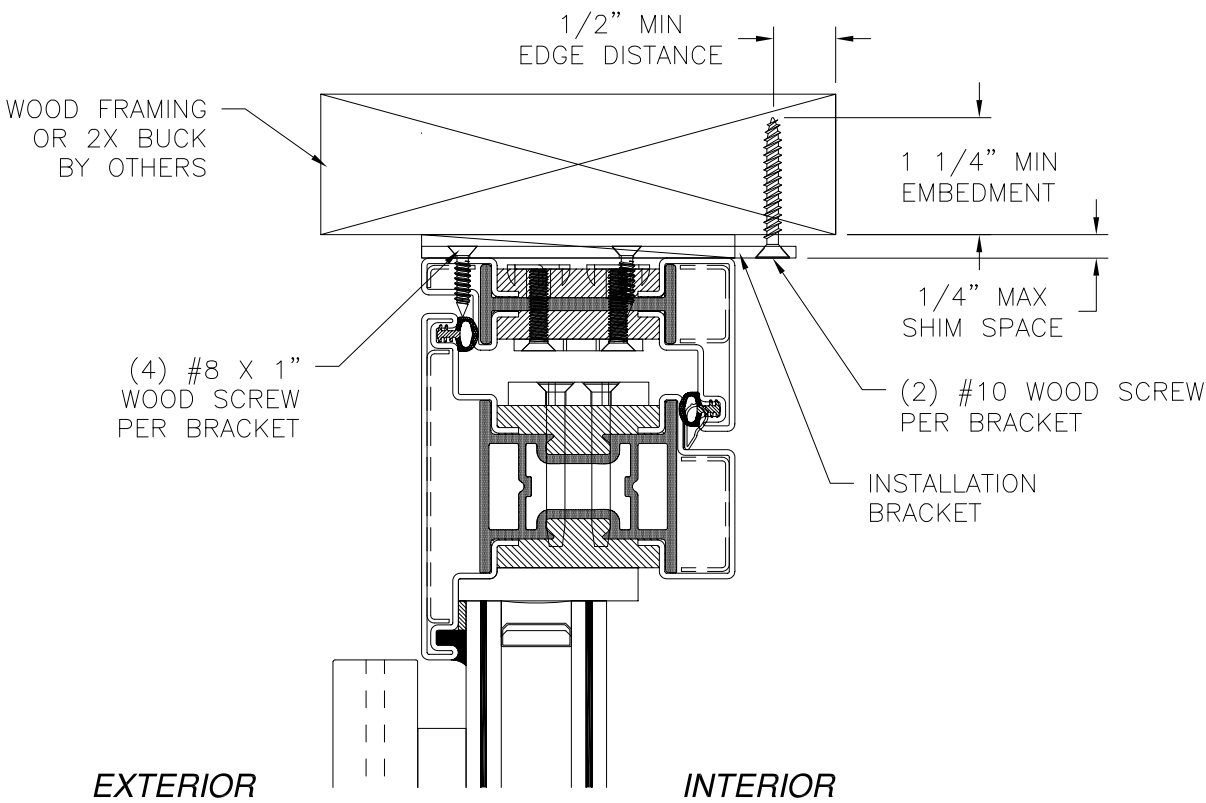
REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT - HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 6 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS W/CLIP

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DWG NO.
08-03363

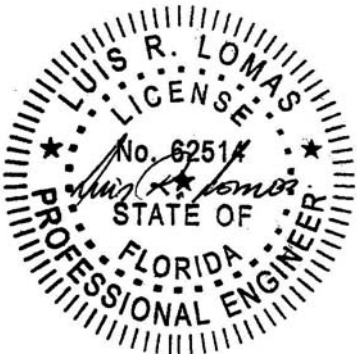
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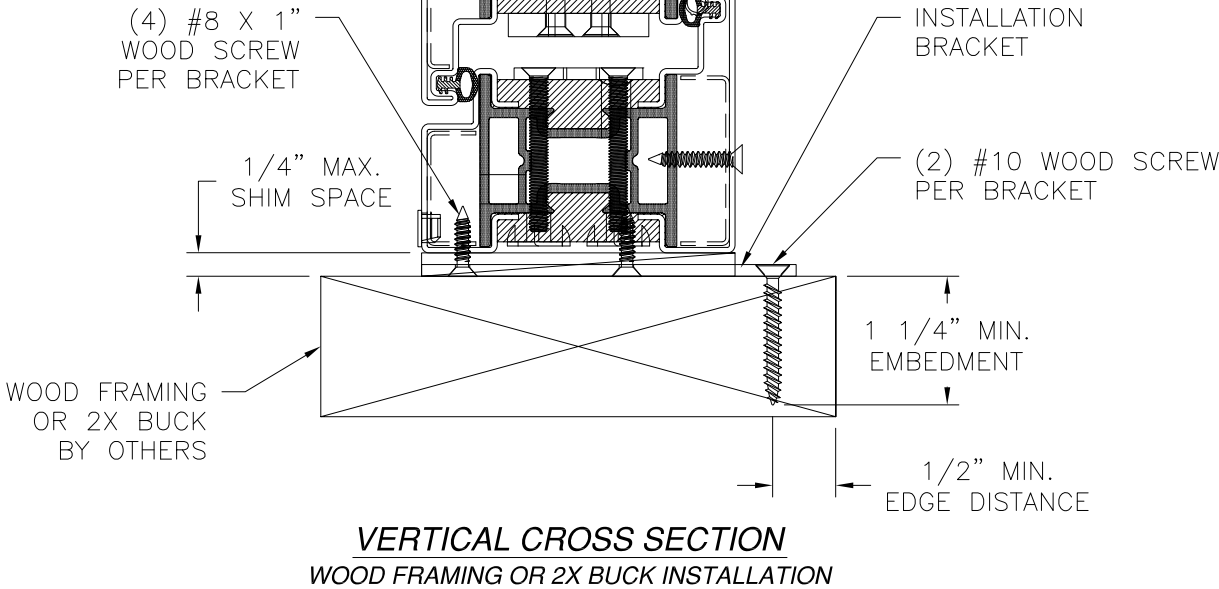
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SHEET
7 OF 14

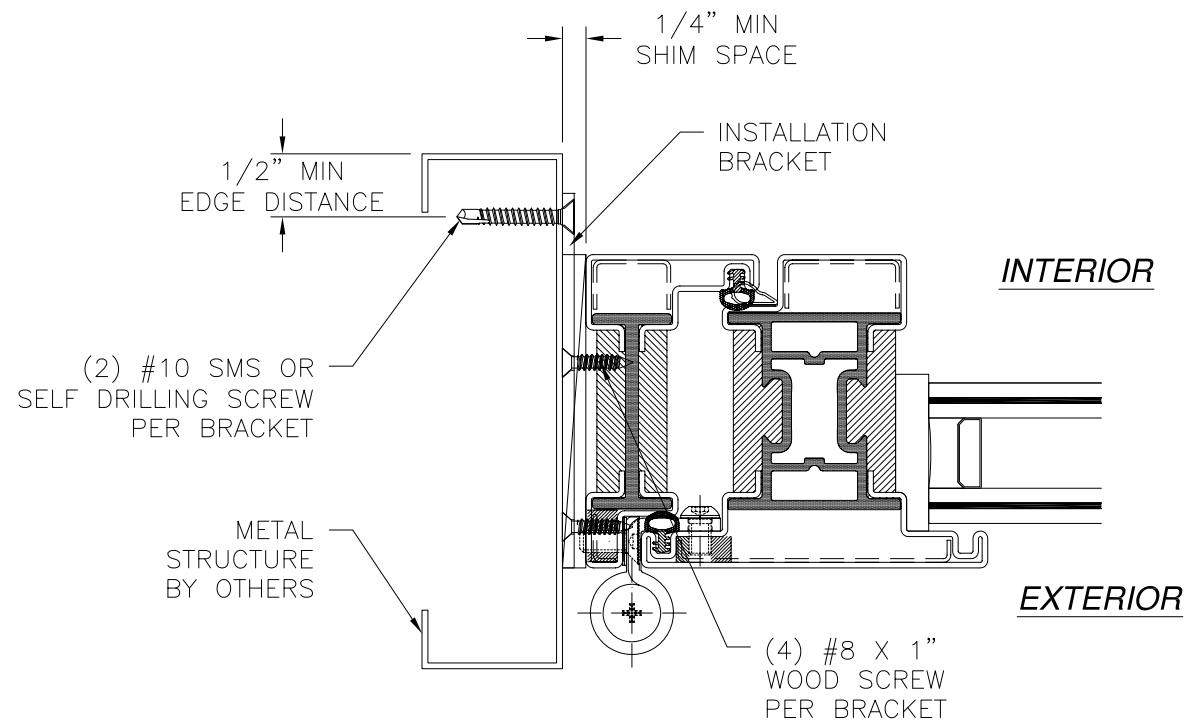
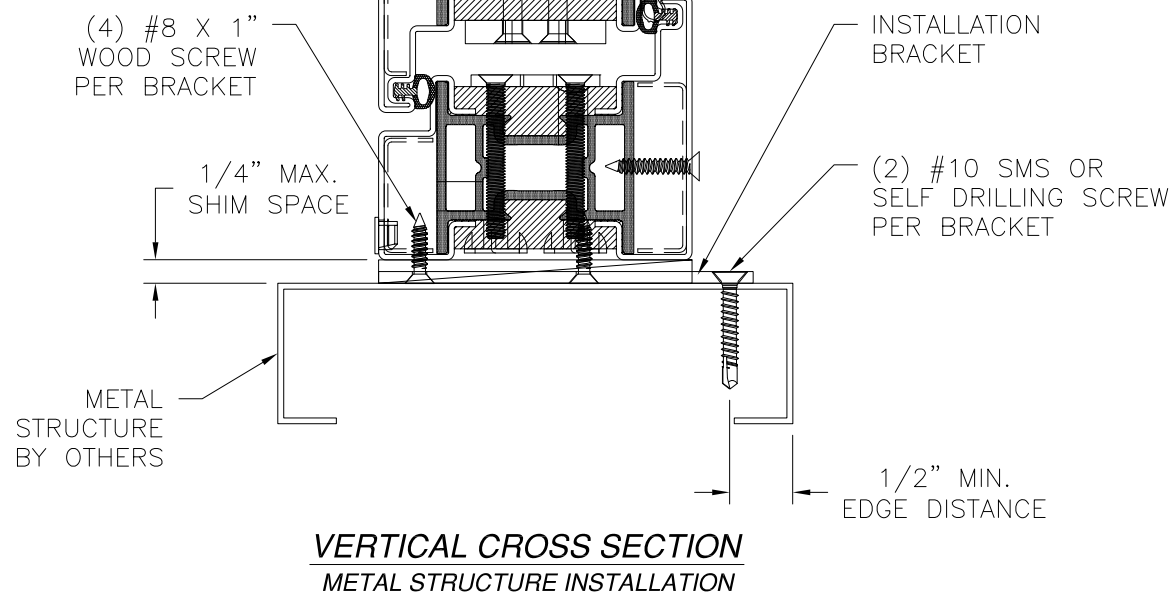
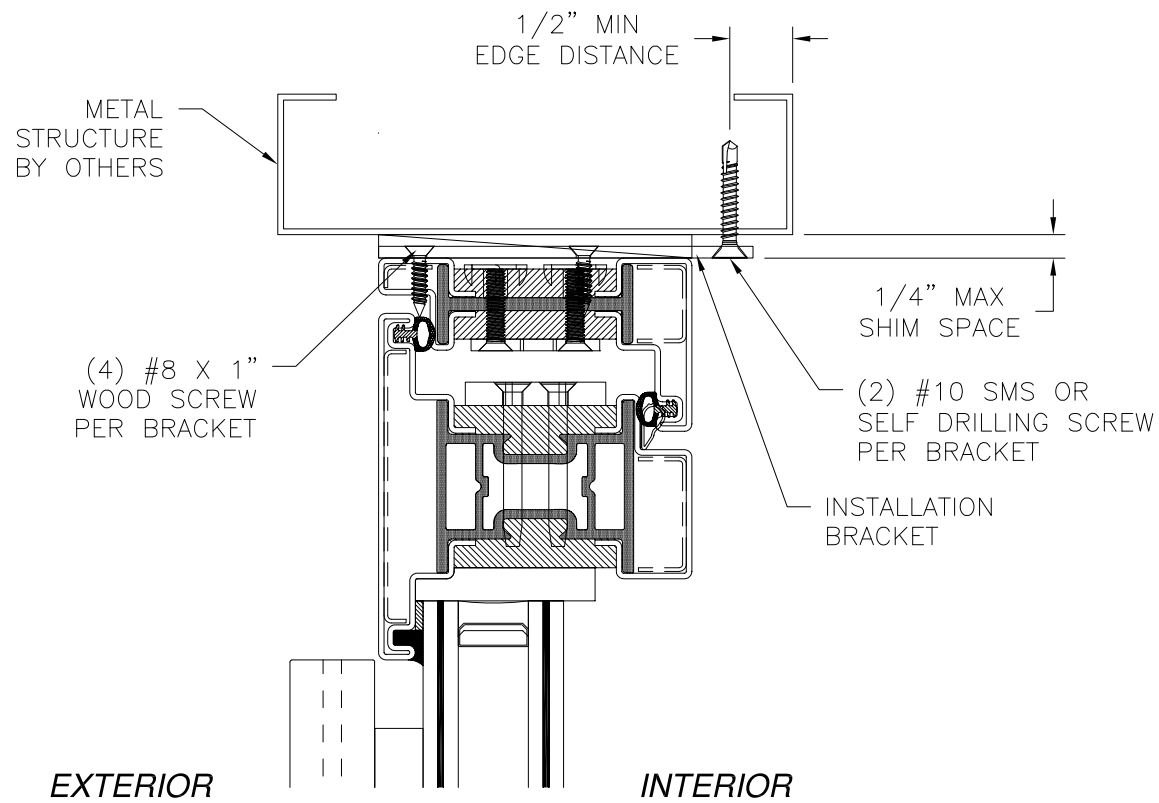
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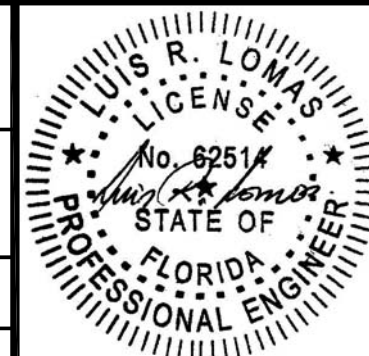


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

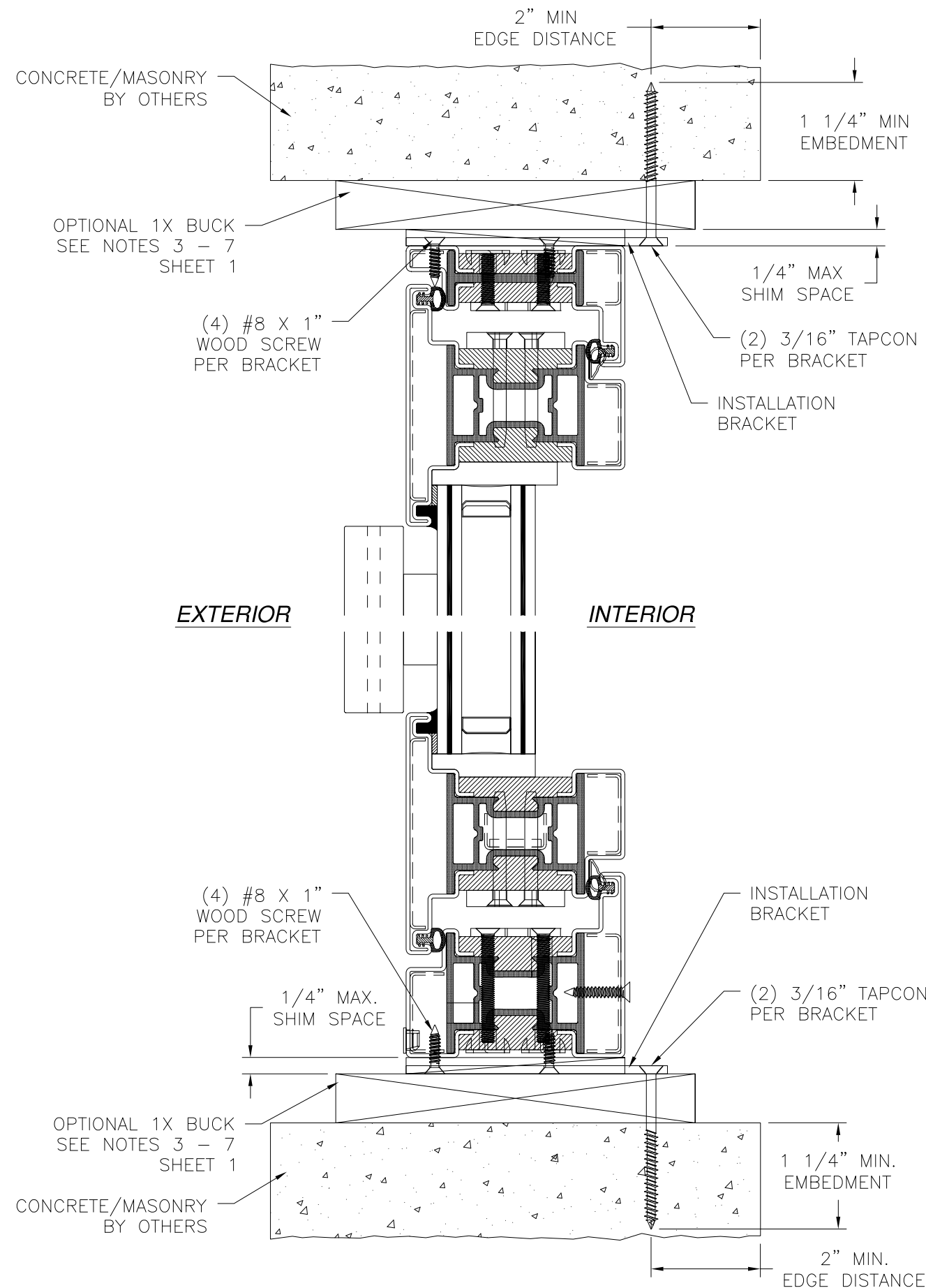
- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E212

SIGNED: 01/30/2019

REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/CLIP		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 8 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

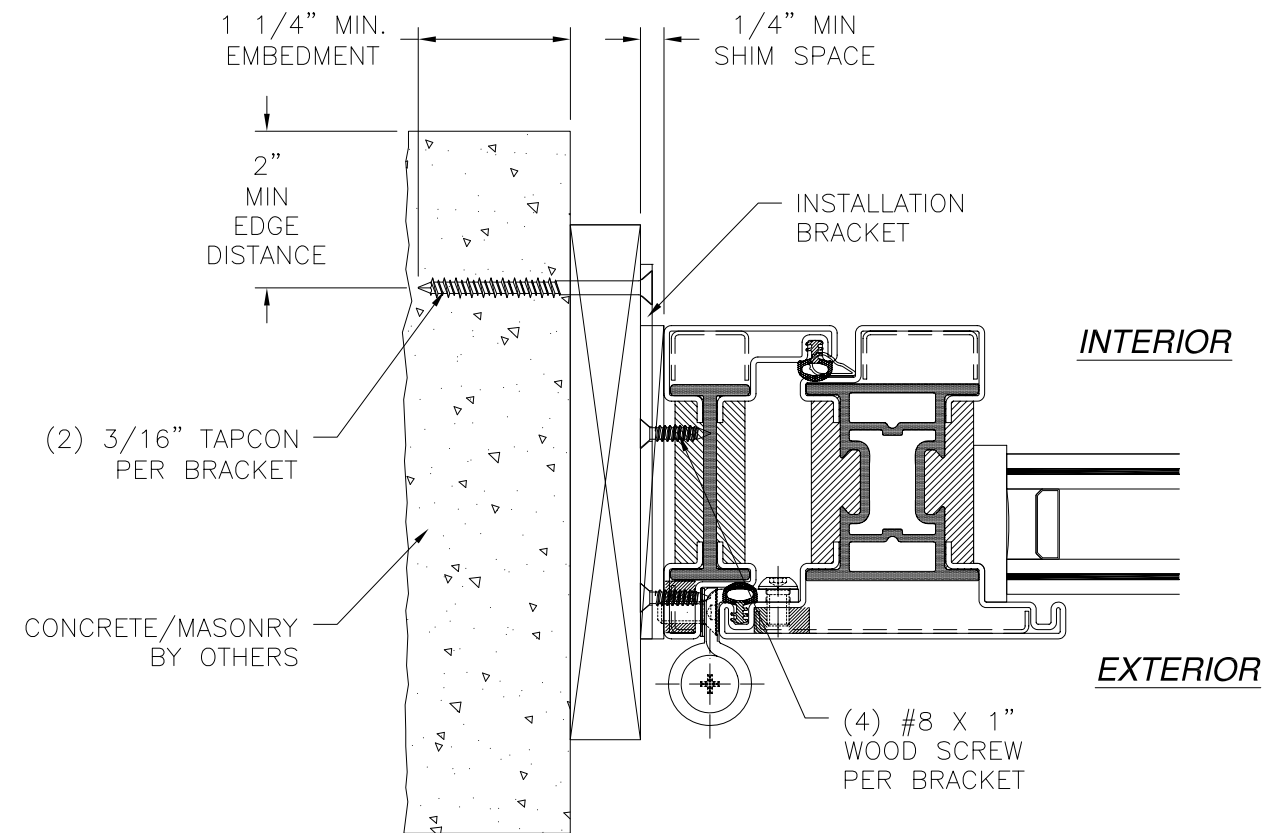


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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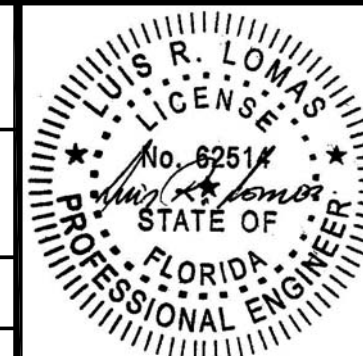
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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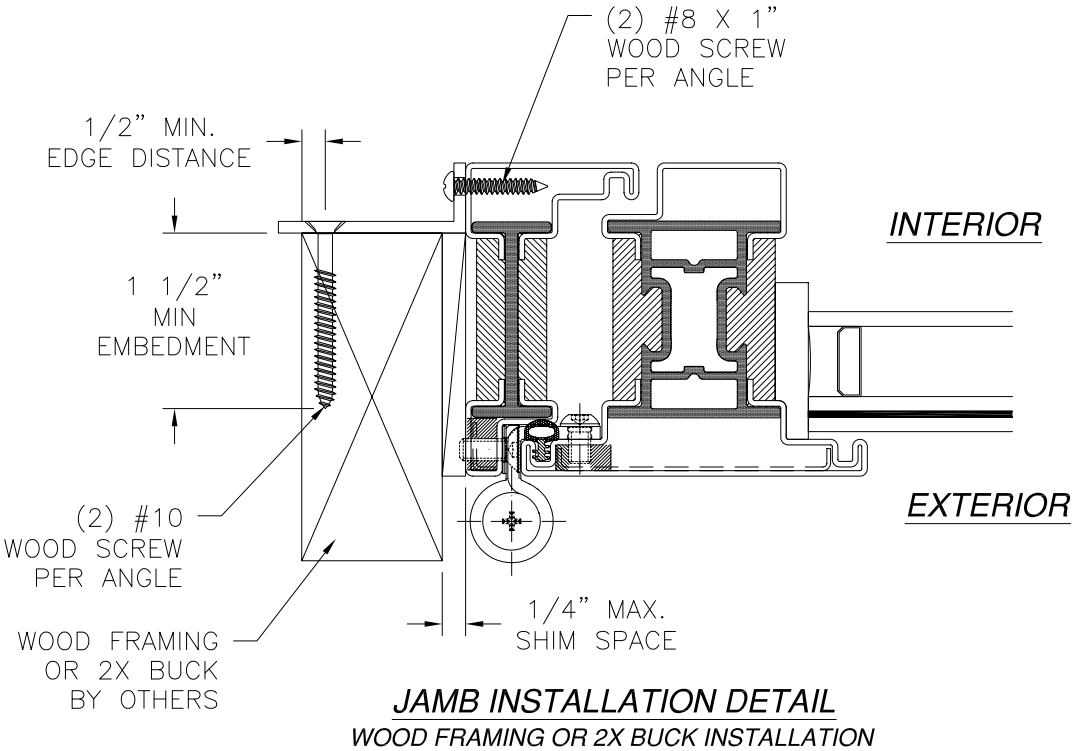
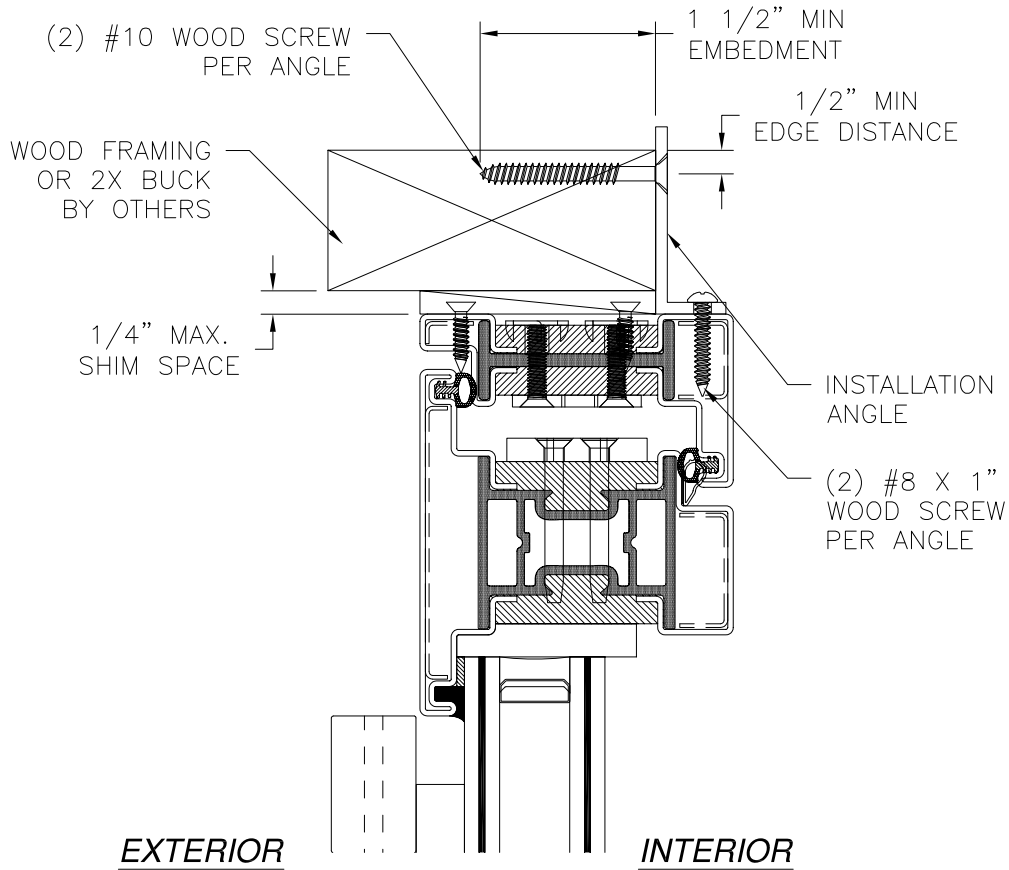
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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/30/2019

REILLY WINDOWS AND DOORS
901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT – HVHZ
INSTALLATION DETAILS W/ANGLE

DRAWN:
A.R.

DWG NO.
08-03363

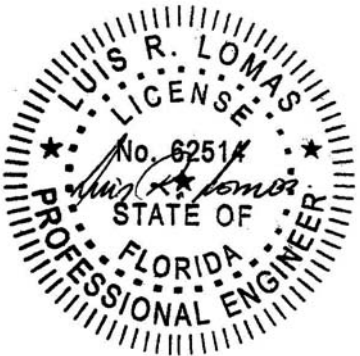
REV
-

SCALE
NTS

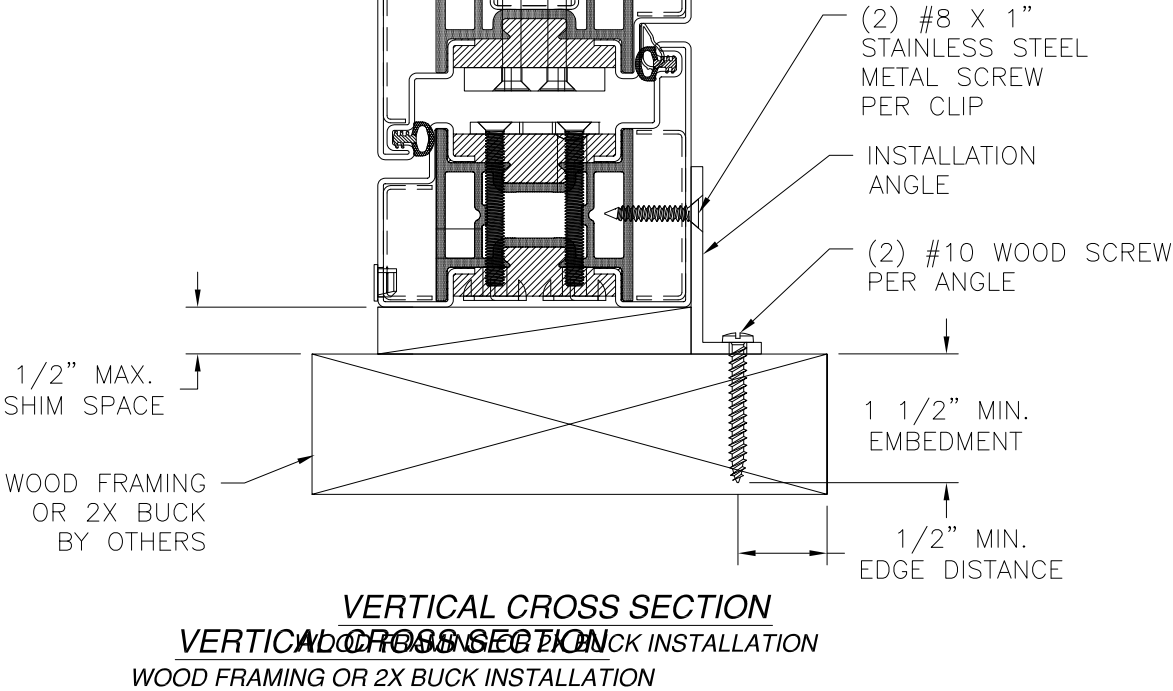
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12/05/18

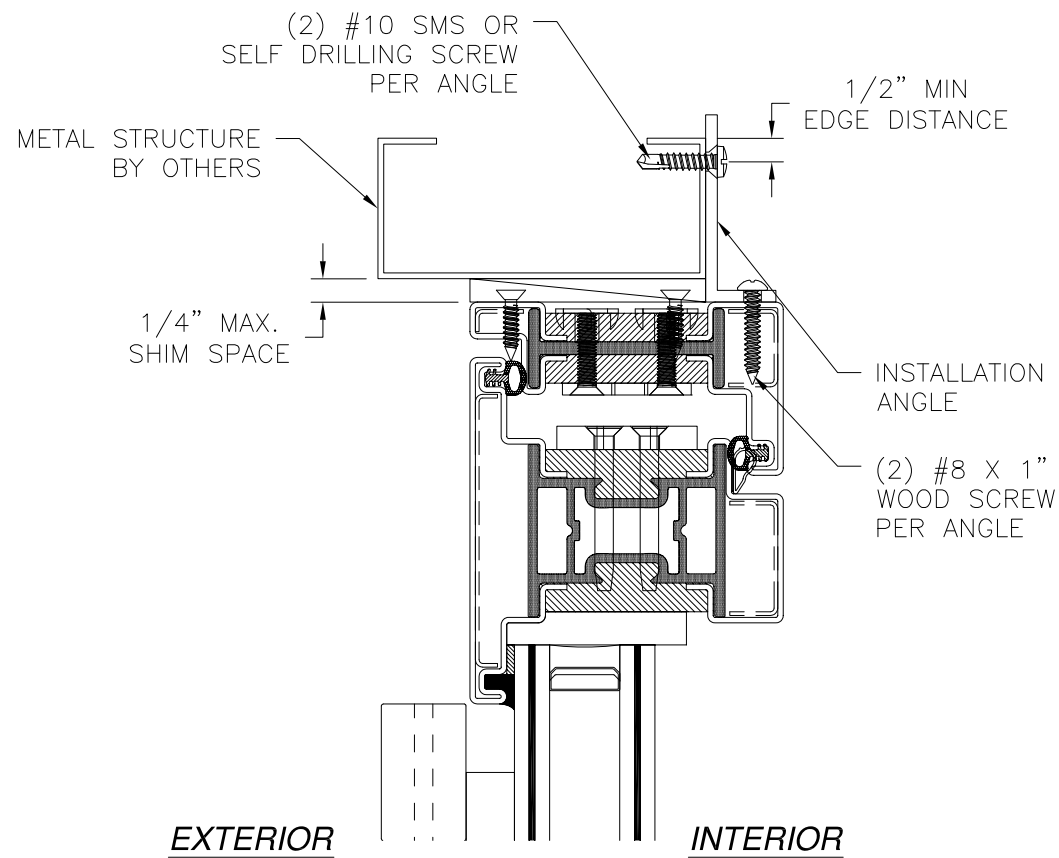
SHEET
10 OF 14

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

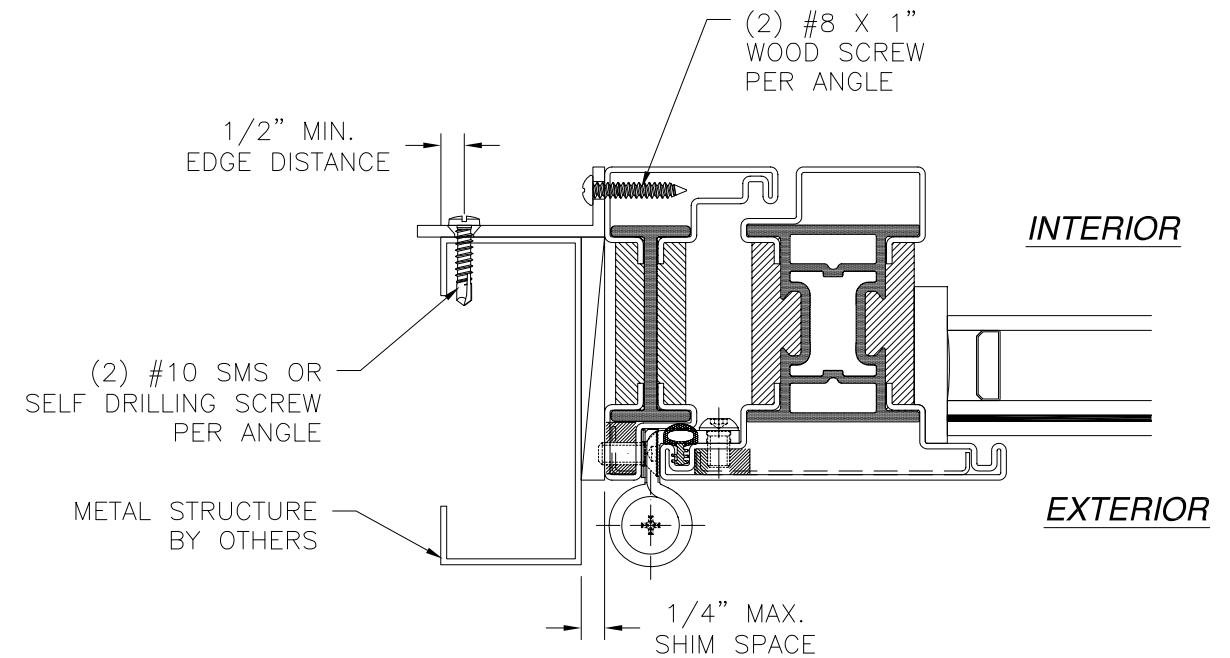


Luis R. Lomas P.E.
FL No.: 62514





VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



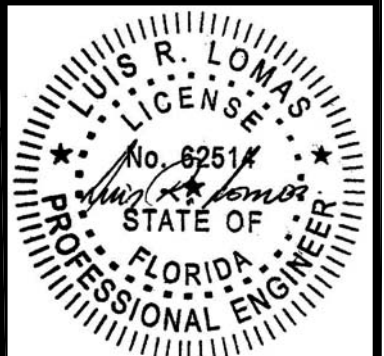
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

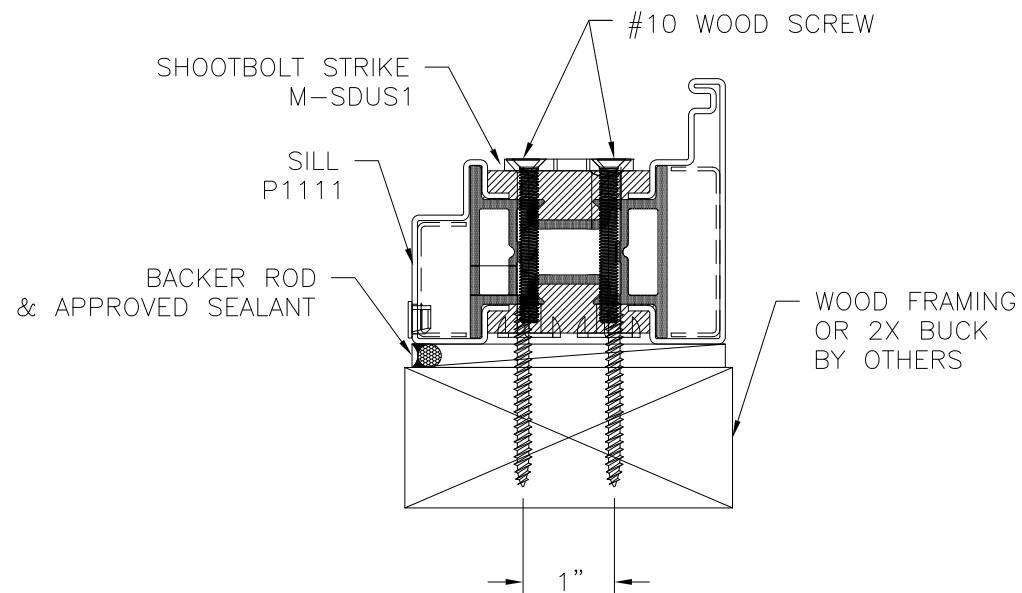
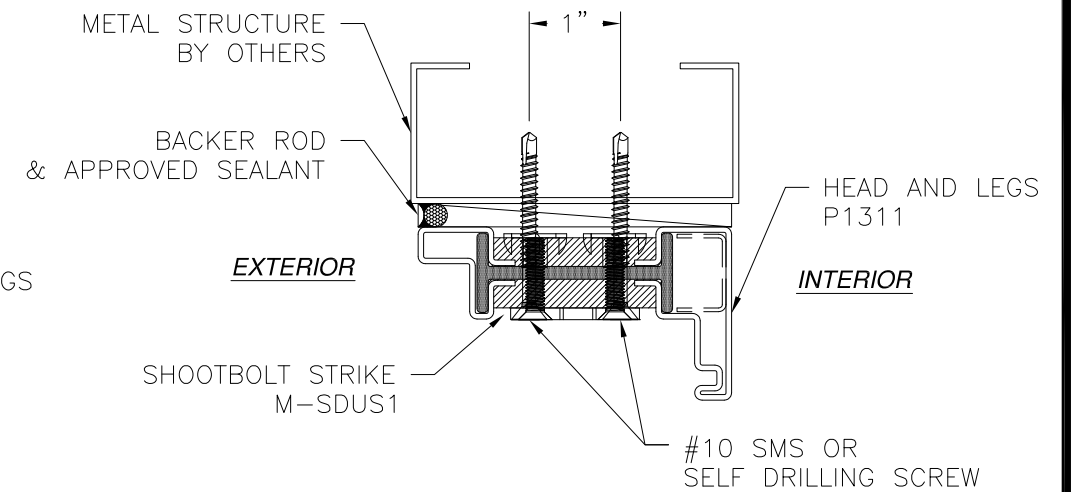
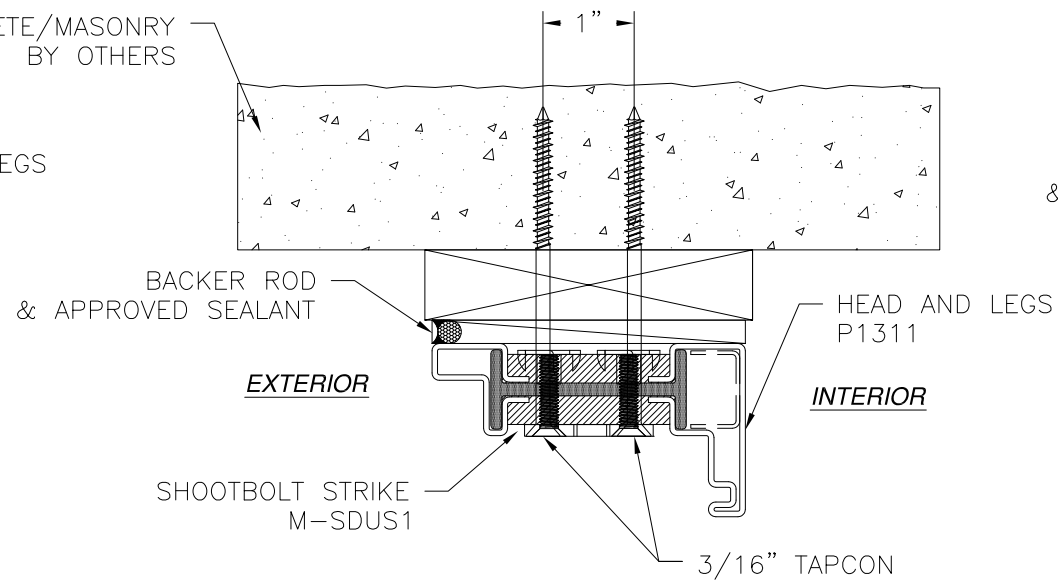
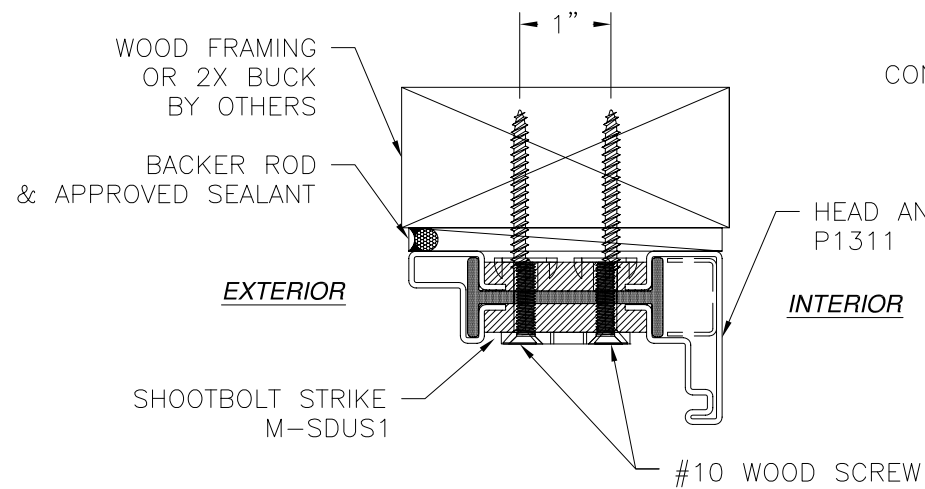
SIGNED: 01/30/2019

REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT – HVHZ INSTALLATION DETAILS W/ANGLE		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 11 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

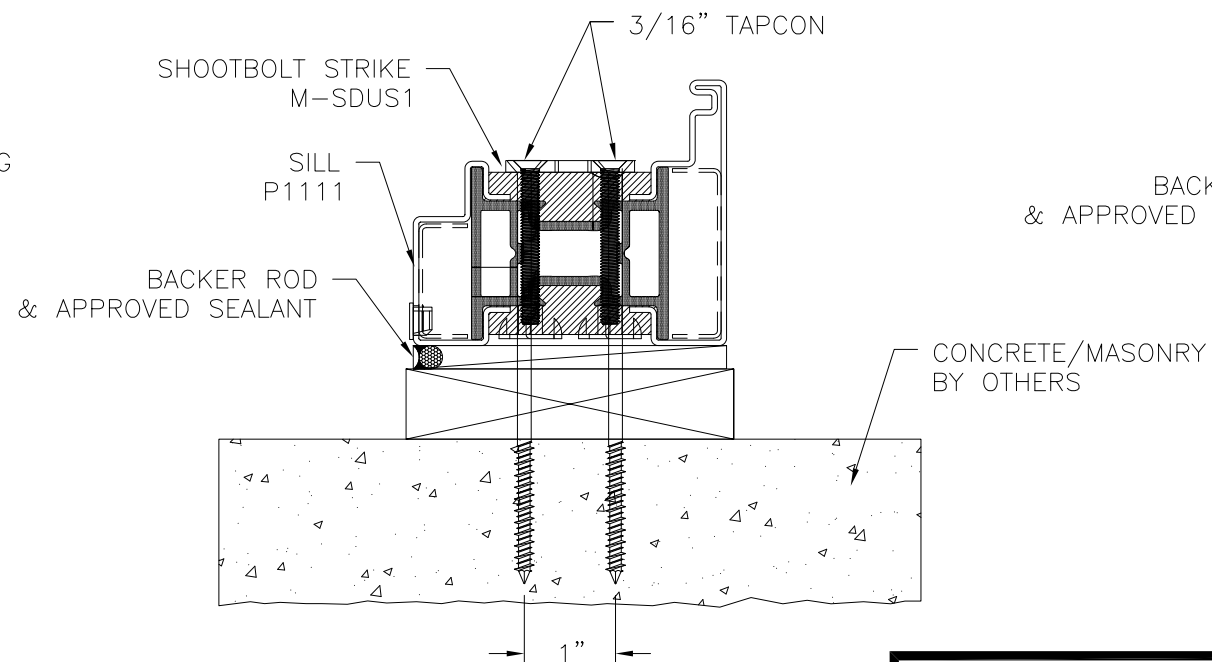


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FL No.: 62514

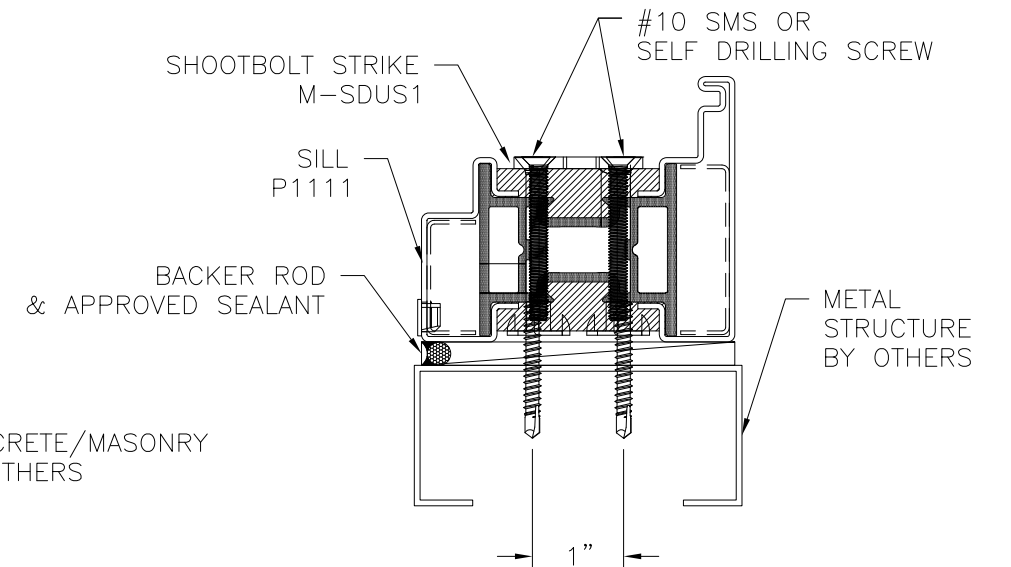
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SHOOTBOLT INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



SHOOTBOLT INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION



SHOOTBOLT INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

SIGNED: 01/30/2019

NOTES:

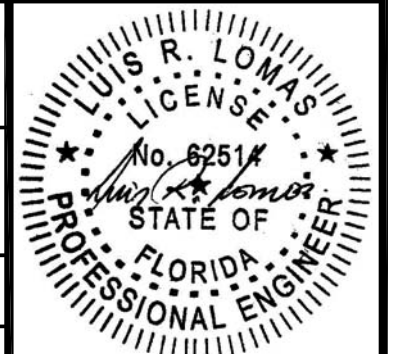
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REILLY WINDOWS AND DOORS
901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT - HVHZ
INSTALLATION DETAILS

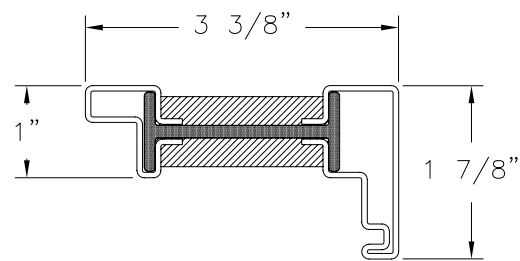
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 12 OF 14

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

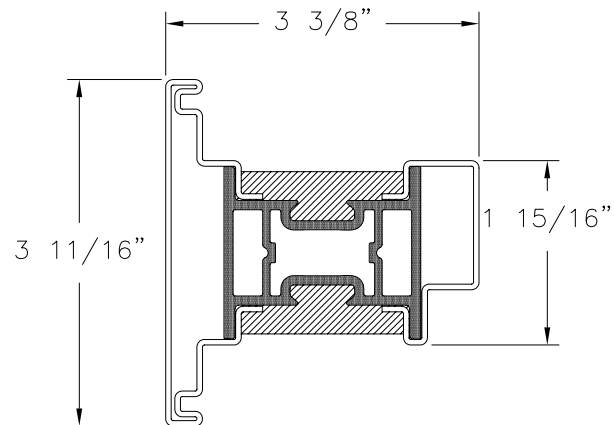


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FL No.: 62514

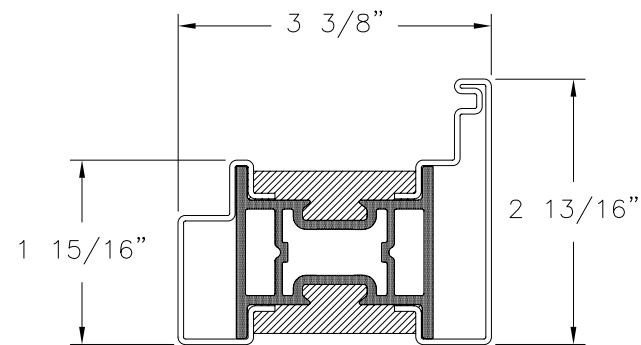
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



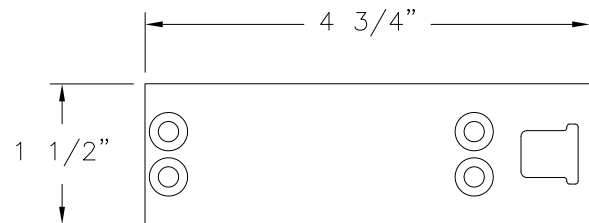
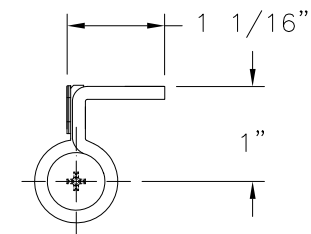
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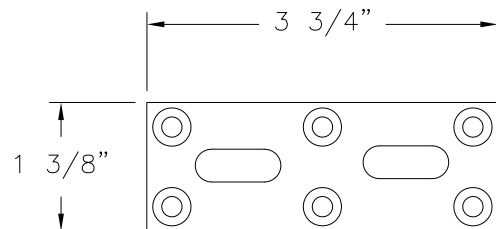
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STAINLESS STEEL P1112



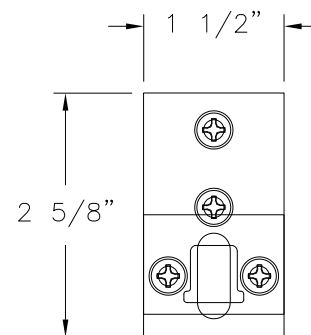
SILL
STAINLESS STEEL P1111



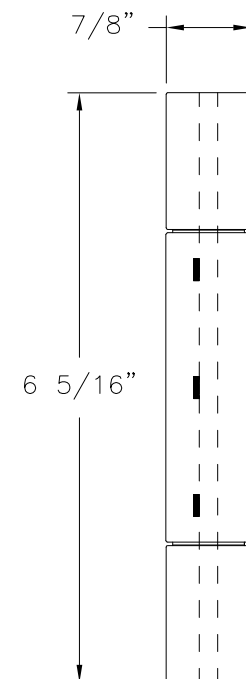
IMPACT SHOOTBOLT PLATE



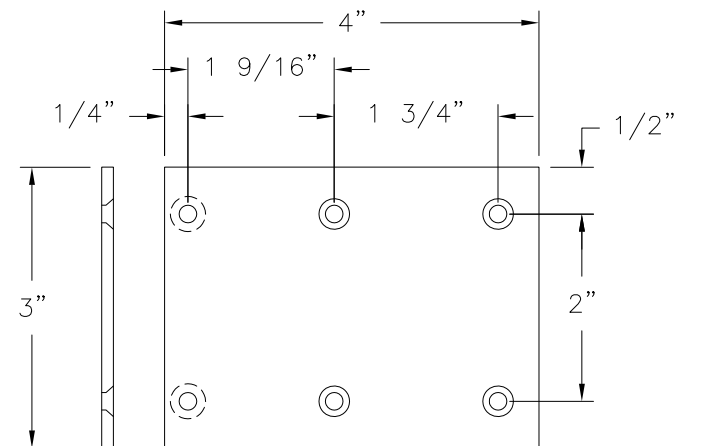
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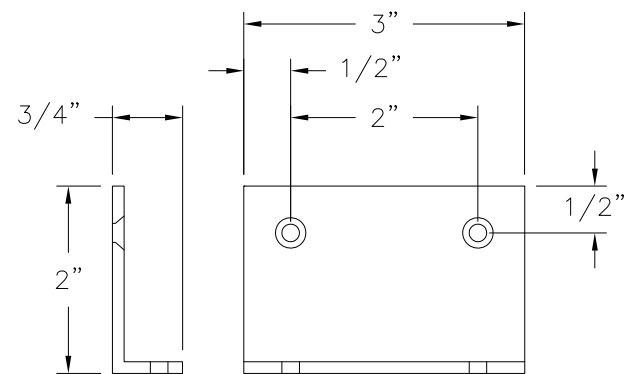
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3813736



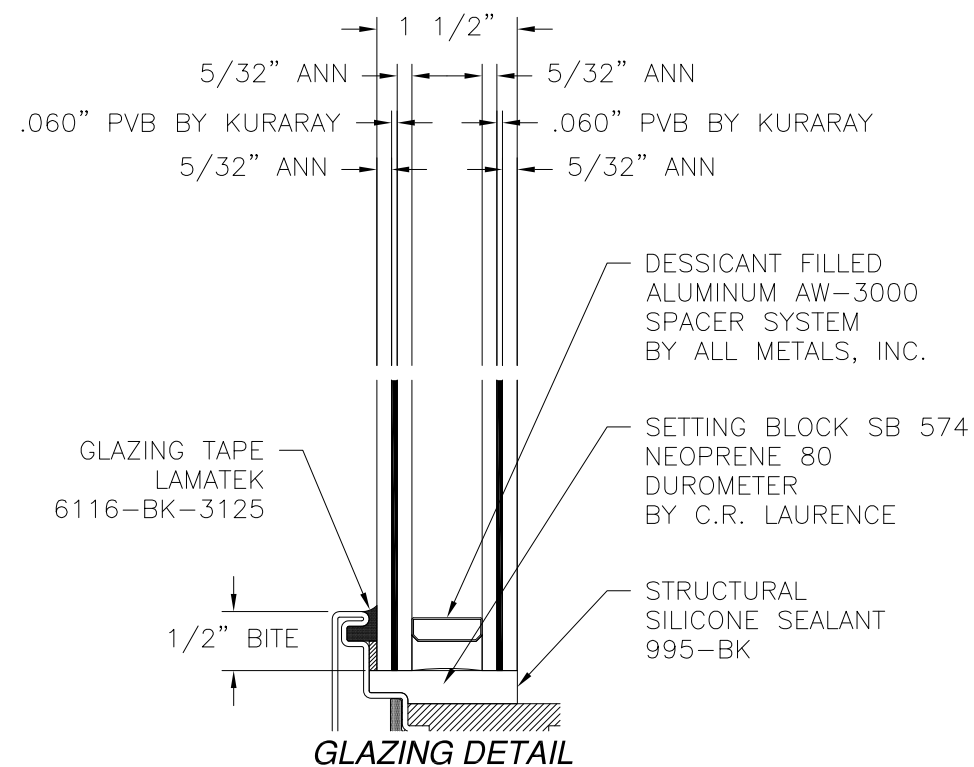
HINGE
AC1033



INSTALLATION BRACKET
ALUMINUM 6063-T5 .125 " THICK



INSTALLATION ANGLE
ALUMINUM 6063-T5 .125 " THICK



GLAZING DETAIL

REILLY WINDOWS AND DOORS
901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J OUT-SWING FRENCH DOOR
LARGE AND SMALL MISSILE IMPACT - HVHZ
COMPONENTS

DRAWN: A.R.

DWG NO. 08-03363

REV -

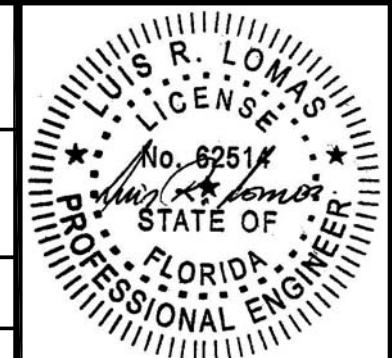
SCALE NTS

DATE 12/05/18

SHEET 13 OF 14

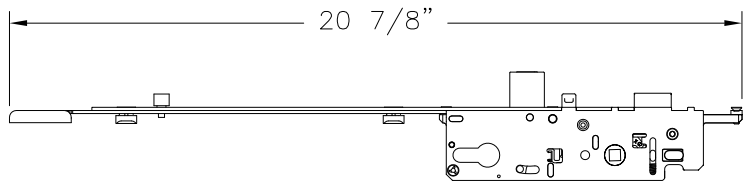
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@rlomaspe.com

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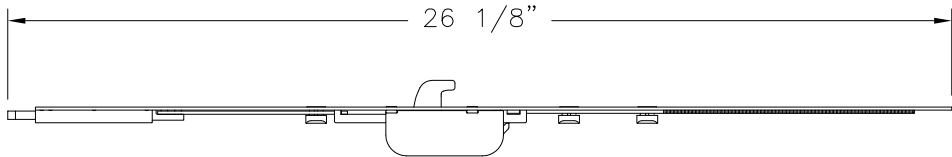


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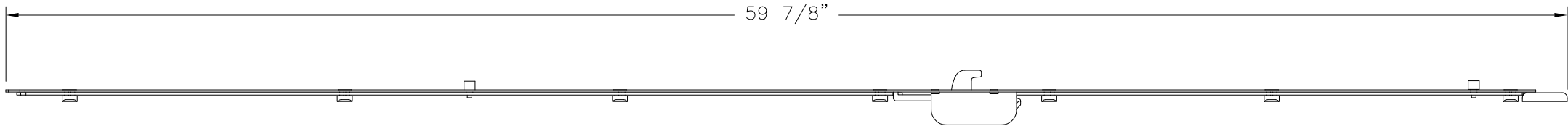
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



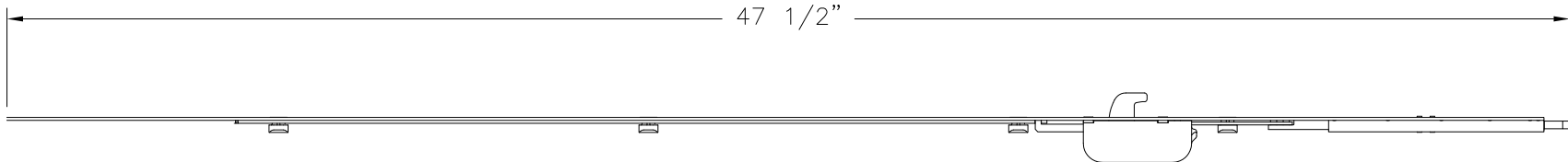
GEAR, BOTTOM EXTENSION
STAINLESS STEEL 11581438



ACTIVE SHOOTBOLT, BOTTOM EXTENSION
STAINLESS STEEL 11581463



HOOK, MIDDLE EXTENSION
STAINLESS STEEL 3726405



ACTIVE SHOOTBOLT, TOP EXTENSION
STAINLESS STEEL 11583198

SIGNED: 01/30/2019

REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J OUT-SWING FRENCH DOOR LARGE AND SMALL MISSILE IMPACT – HVHZ COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03363	REV -
SCALE NTS	DATE 12/05/18	SHEET 14 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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