

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: BRONZE.
12. UNITS MUST BE GLAZED PER ASTM E1300–04/09, SEE SHEET 2 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 #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” 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 #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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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

SIGNED: 03/27/2018

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2	ELEVATION AND GLAZING DETAIL
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REILLY WINDOWS AND DOORS
901 BURMAN BLVD., BUILDING 701
CALVERTON, NY 11933

RWD40J SIDE-HINGED DOOR
48” X 144” – IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03232

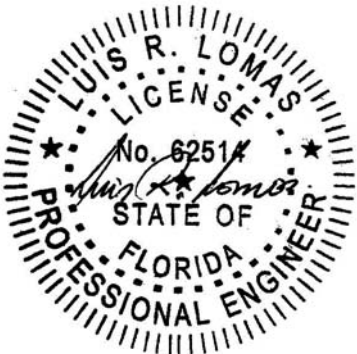
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SCALE NTS

DATE 03/17/18

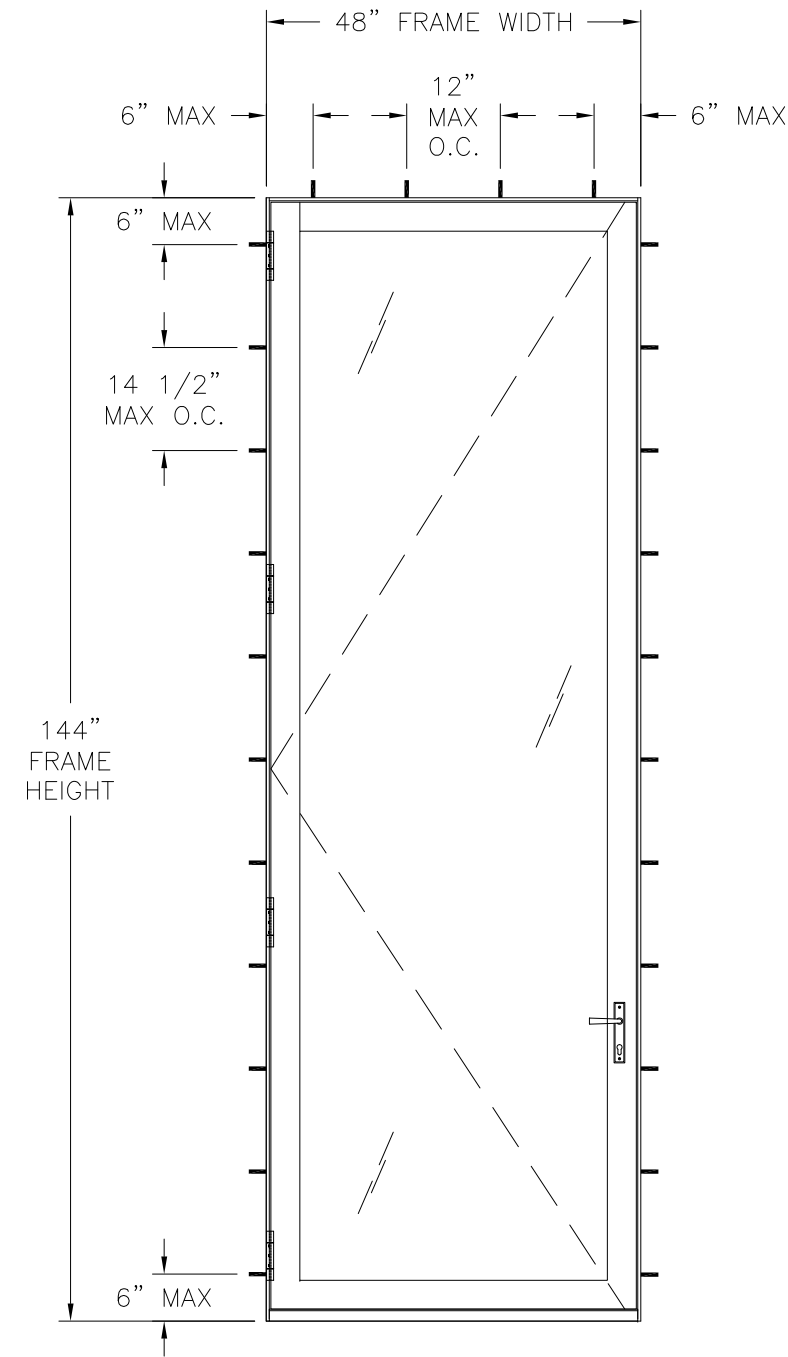
SHEET 1 OF 9

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



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

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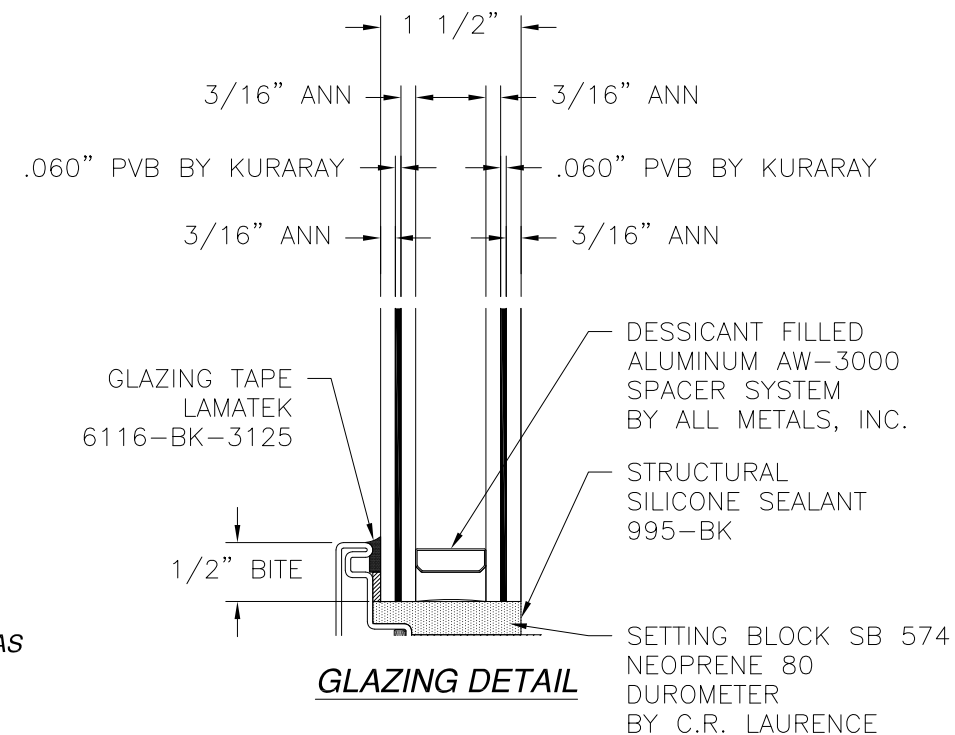
RWD40J SIDE-HINGED DOOR
EXTERIOR VIEW
FRAME INSTALLATION

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

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
48" X 144" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 48 FT²

NOTES:
1. D.L.O.: 39 1/2" X 134 1/2"

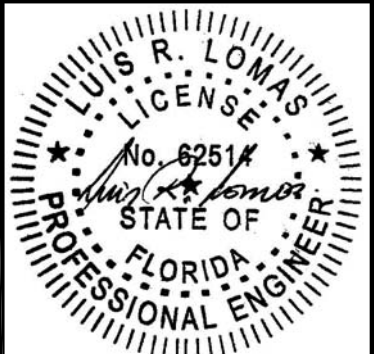
HARDWARE SCHEDULE	
A.	(4) HINGES (AC1033) FROM SECO AT HINGE JAMB, 9" FROM BOTTOM AND 42 3/4" MAX O.C. THEREAFTER
B.	(3) STRIKE FOR HOOKS (RNC57090) FROM HOPPE AT LOCKING JAMB, 13 1/2", 77 1/2" AND 129 3/4" FROM BOTTOM OF UNIT.
C.	(3) ROLL STRIKE (SRS3-SS) FROM RWD AT LOCKING JAMB, 27", 59 5/8" AND 99" FROM BOTTOM OF UNIT.
D.	(2) IMPACT PLATE (M-SDIP1) FROM RWD AT TOP AND BOTTOM SASH RAILS.
E.	(2) IMPACT STRIKE (M-SDUS1) FROM RWD AT HEAD JAMB AND SILL, CENTERED 1/8" FROM LOCKING JAMB.
F.	(1) STRIKE FOR LATCH AND DEAD BOLT (3813736) FROM HOPPE AT LOCKING JAMB, 38" FROM BOTTOM OF UNIT.
G.	(1) SHOOTBOLT AT TOP OF DOOR (11583198) FROM HOPPE ON LOCKING JAMB, AT TOP.
H.	(1) SHOOTBOLT AT BOTTOM OF DOOR (11511463) FROM HOPPE ON LOCKING JAMB, AT BOTTOM
I.	(4) MULTIPOINT LOCK (11581438, 11581463, 3726405, 11583198) AT LOCKING STILE



GLAZING DETAIL

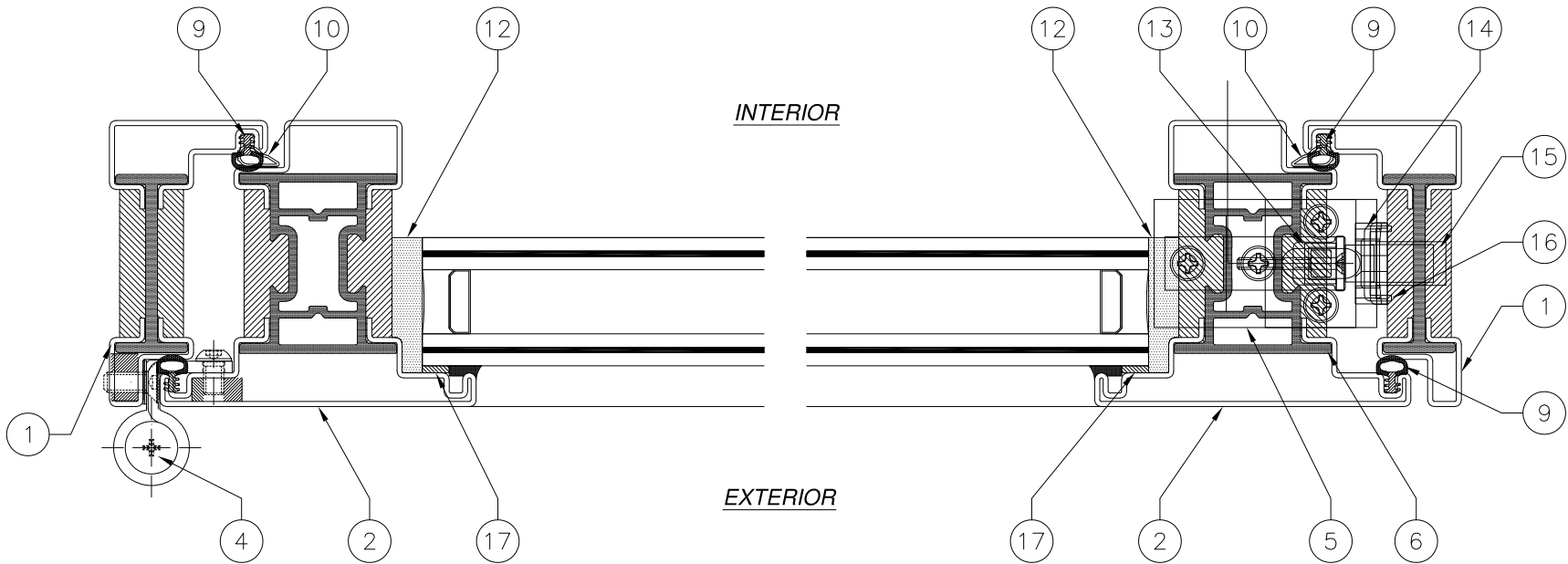
REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J SIDE-HINGED DOOR 48" X 144" - IMPACT ELEVATION AND GLAZING DETAIL		
DRAWN: A.R.	DWG NO. 08-03232	REV -
SCALE NTS	DATE 03/17/18	SHEET 2 OF 9
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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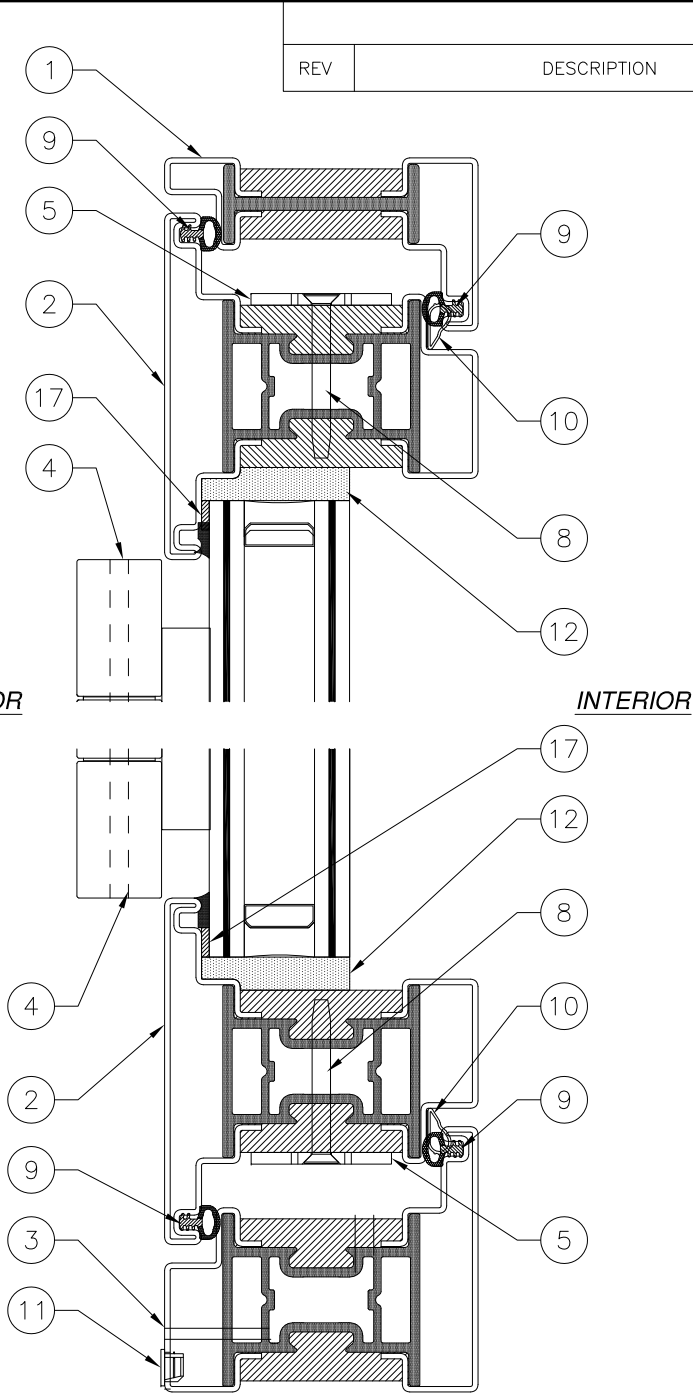
BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	P1311	JAMB, HEAD AND LEGS		BRONZE
2	P1112	SASH STILE AND RAILS		BRONZE
3	P1111	SILL		BRONZE
4	AC1033	HINGE	SECCO	
5	M-SDIP1	IMPACT SHOOTBOLT PLATE	RWD	
6	M-SDUS1	IMPACT SHOOTBOLT STRIKE	RWD	
8		#10 - 1 3/4" STAINLESS STEEL WOOD SCREW		
9	GE 1001TT	BUBL GASKET FOR DOORS	SECCO	
10	#188S-BK	ZERO COMPRESS-O-MATIC SEAL	ZERO	
11	97-03-00-00	WEEP PLUG	ASHLAND	
12	995-BK	STRUCTURAL SILICONE SEALANT	DOW	
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	
14	SRS3-SS	ROLL STRIKE	RWD	STAINLESS STEEL
15	3813736	STRIKE RH (LATCH AND DEADBOLT)	HOPPE	
16	RNC57090	STRIKE FOR HOOK	HOPPE	
17	6116-BK-3125	GLAZING TAPE, D/S 1/16" X 5/16"	LAMATEK INC	



HORIZONTAL CROSS SECTION

EXTERIOR

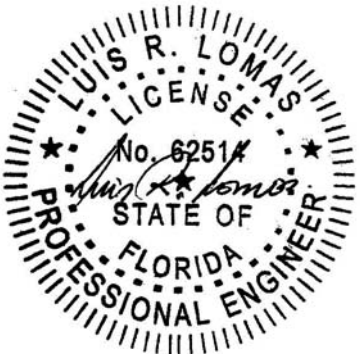
INTERIOR



VERTICAL CROSS SECTION

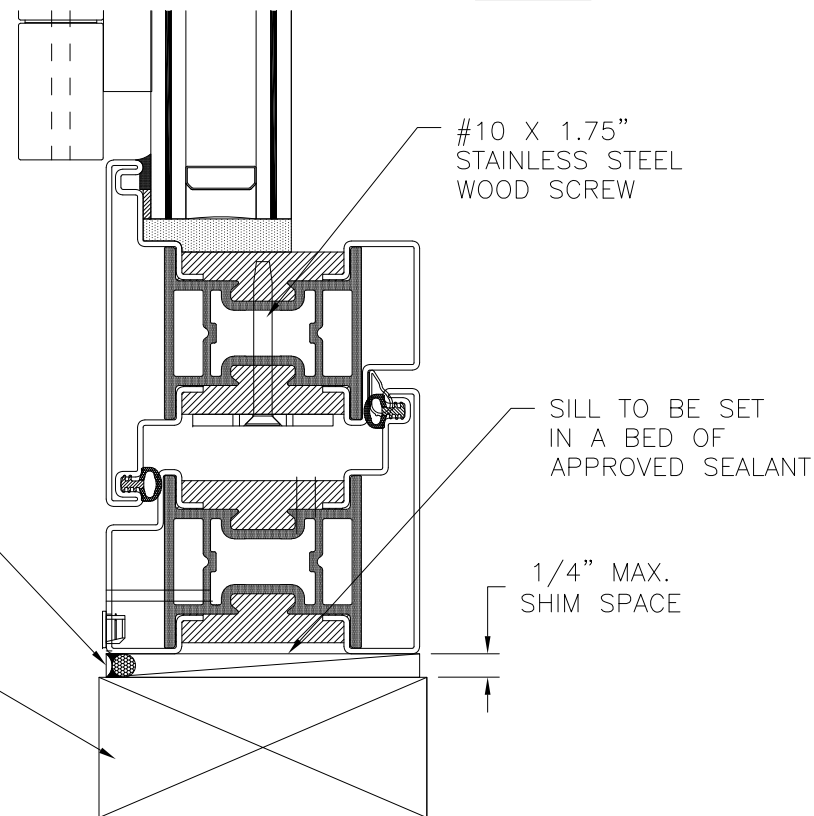
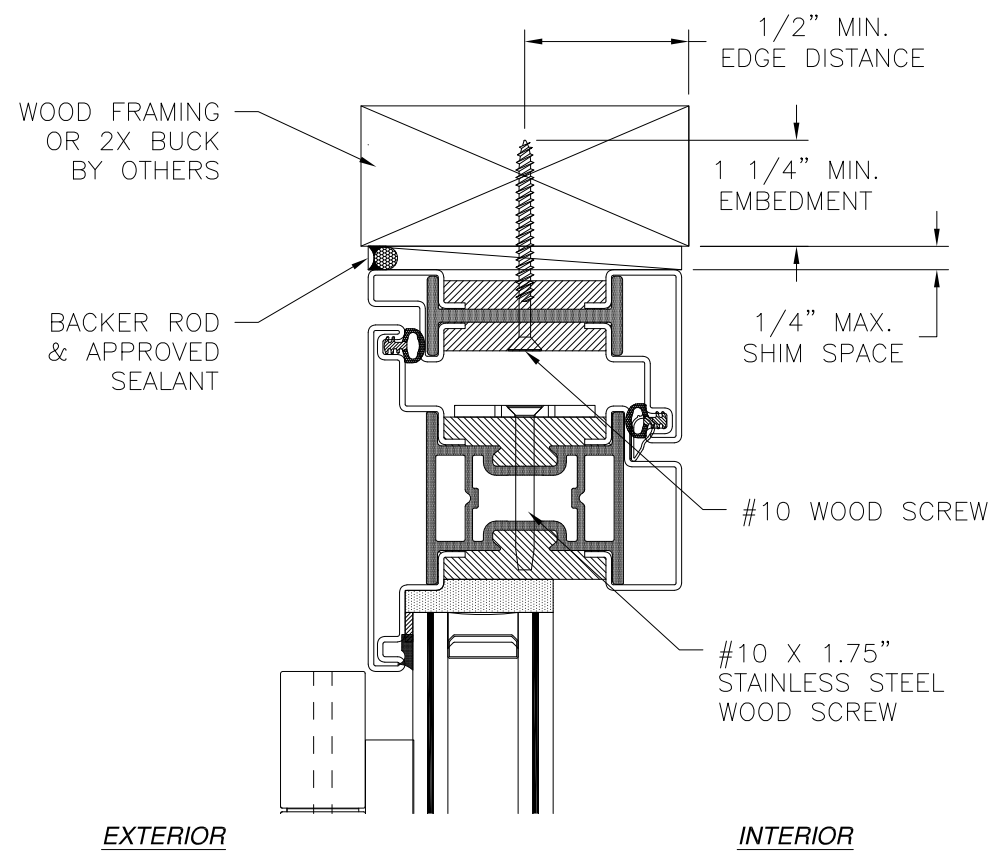
REILLY WINDOWS AND DOORS 901 BURMAN BLVD., BUILDING 701 CALVERTON, NY 11933		
RWD40J SIDE-HINGED DOOR 48" X 144" - IMPACT CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03232	REV -
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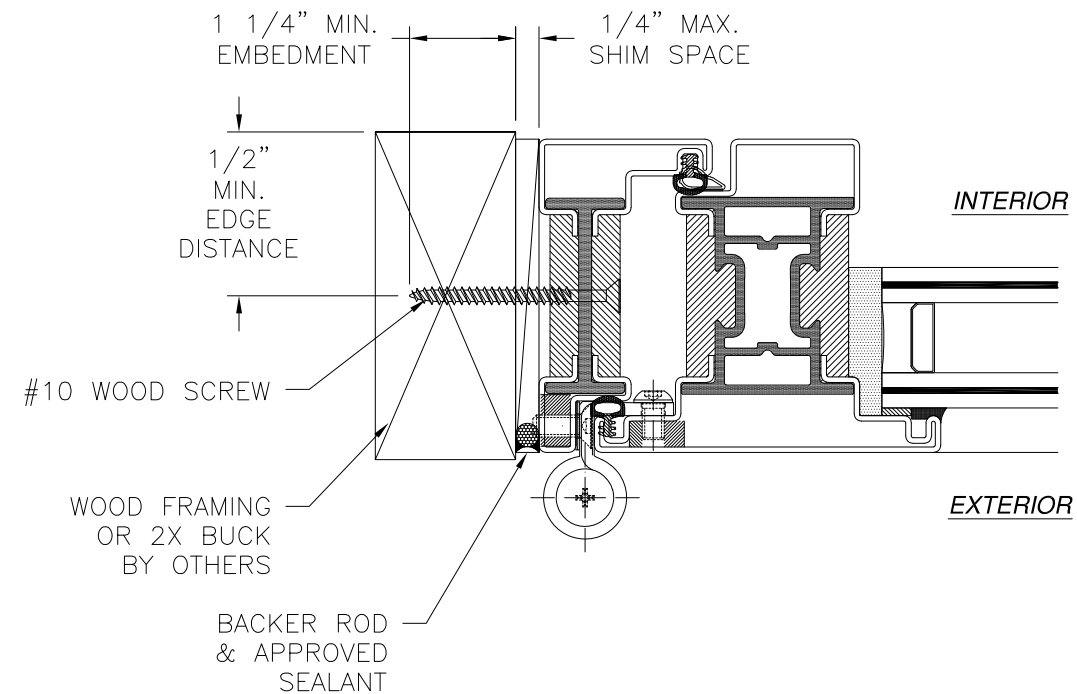


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

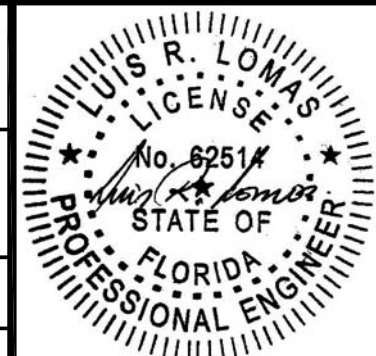


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

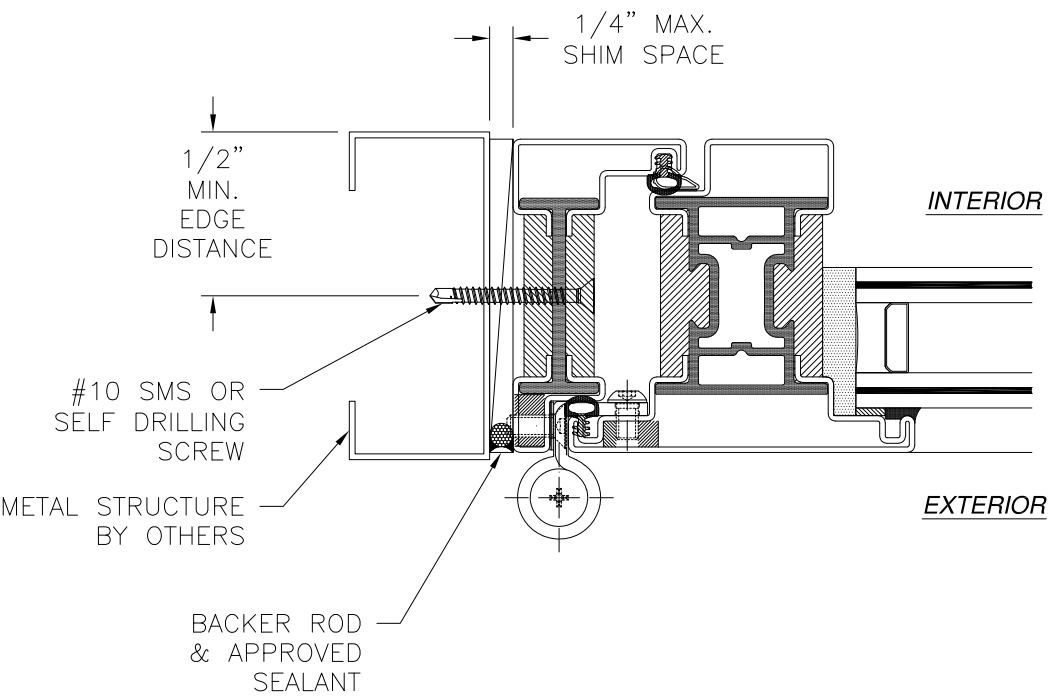
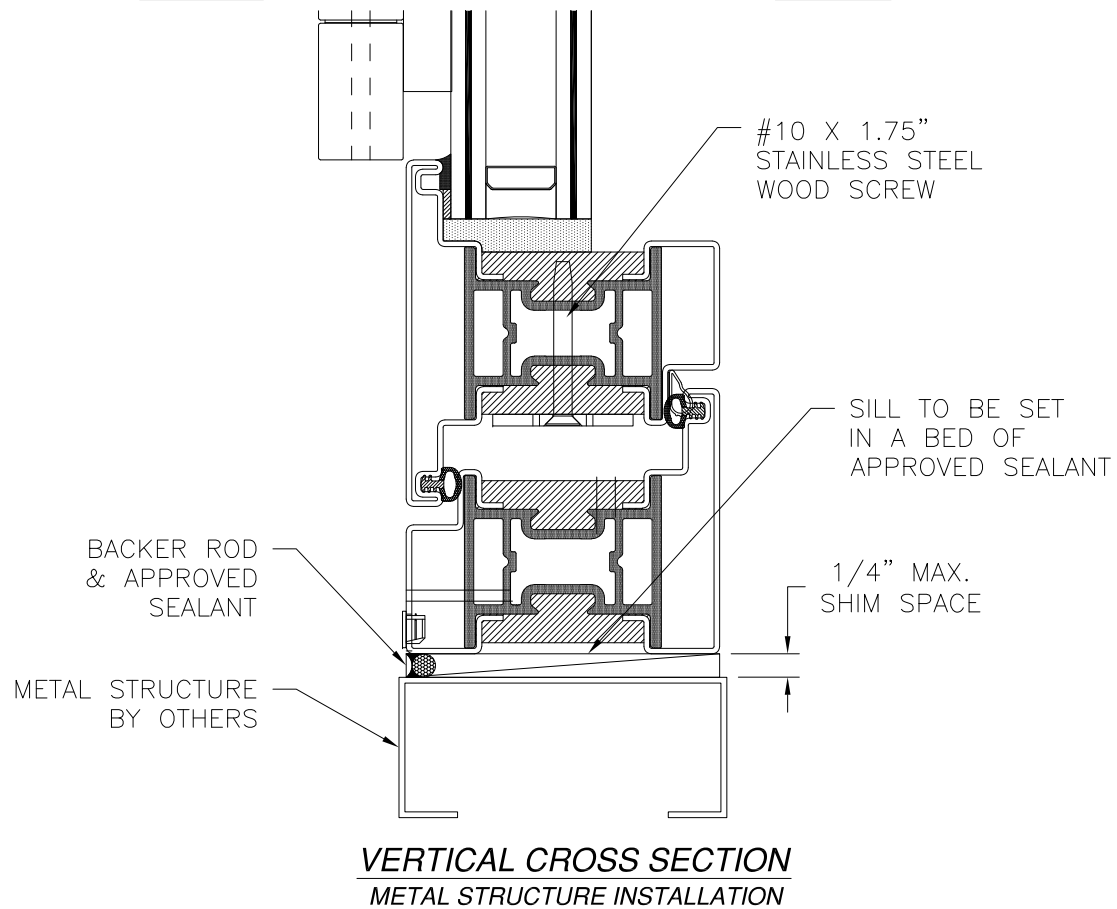
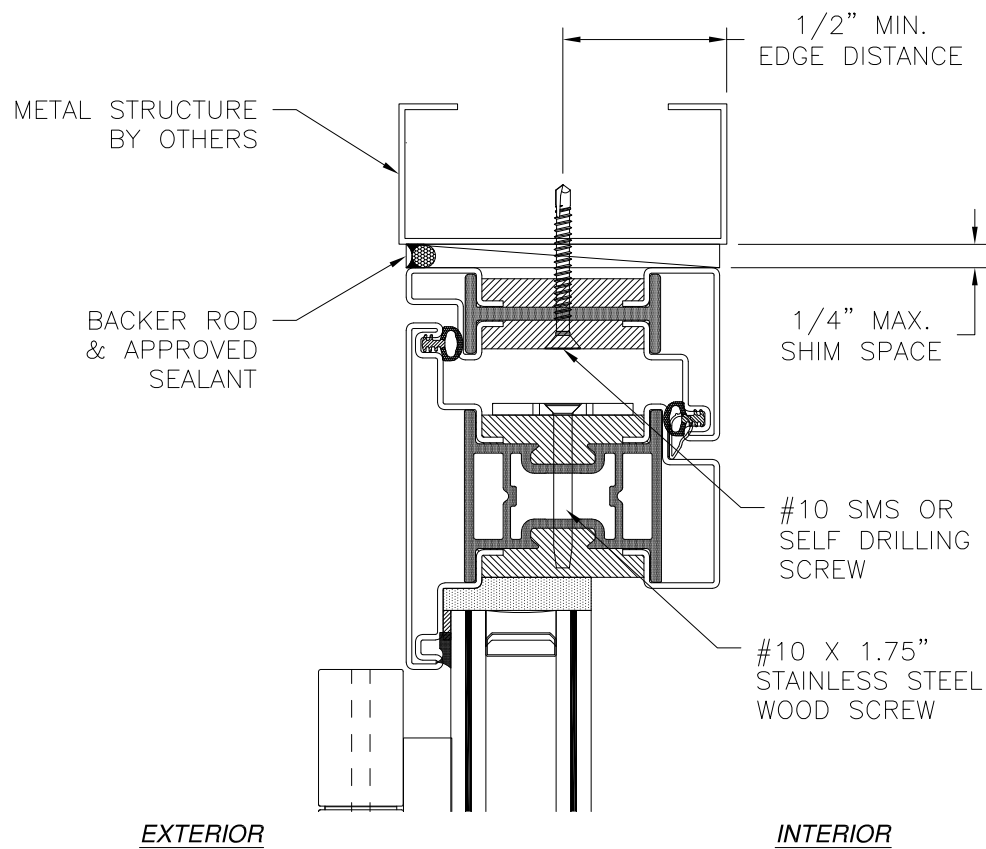
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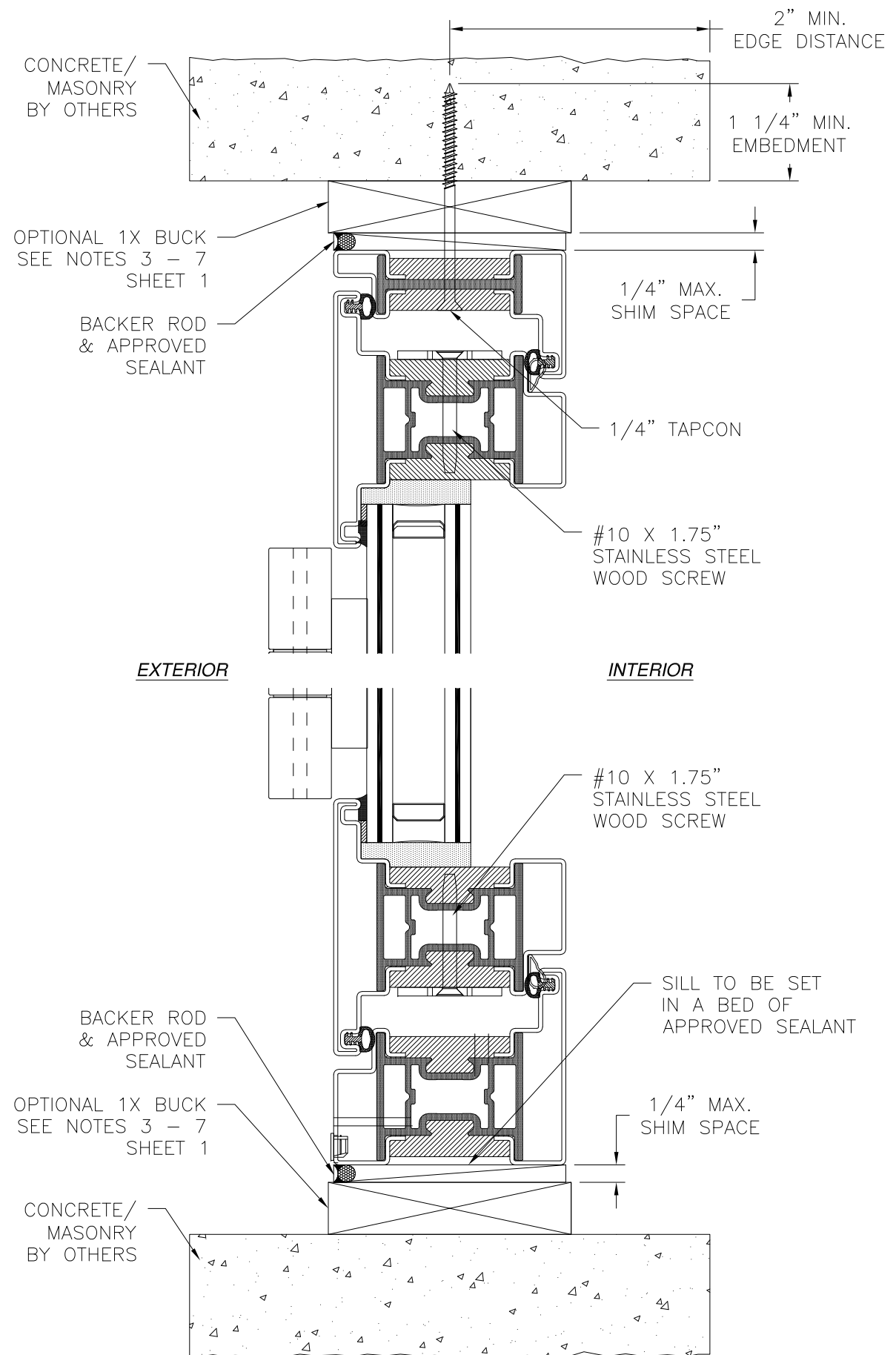
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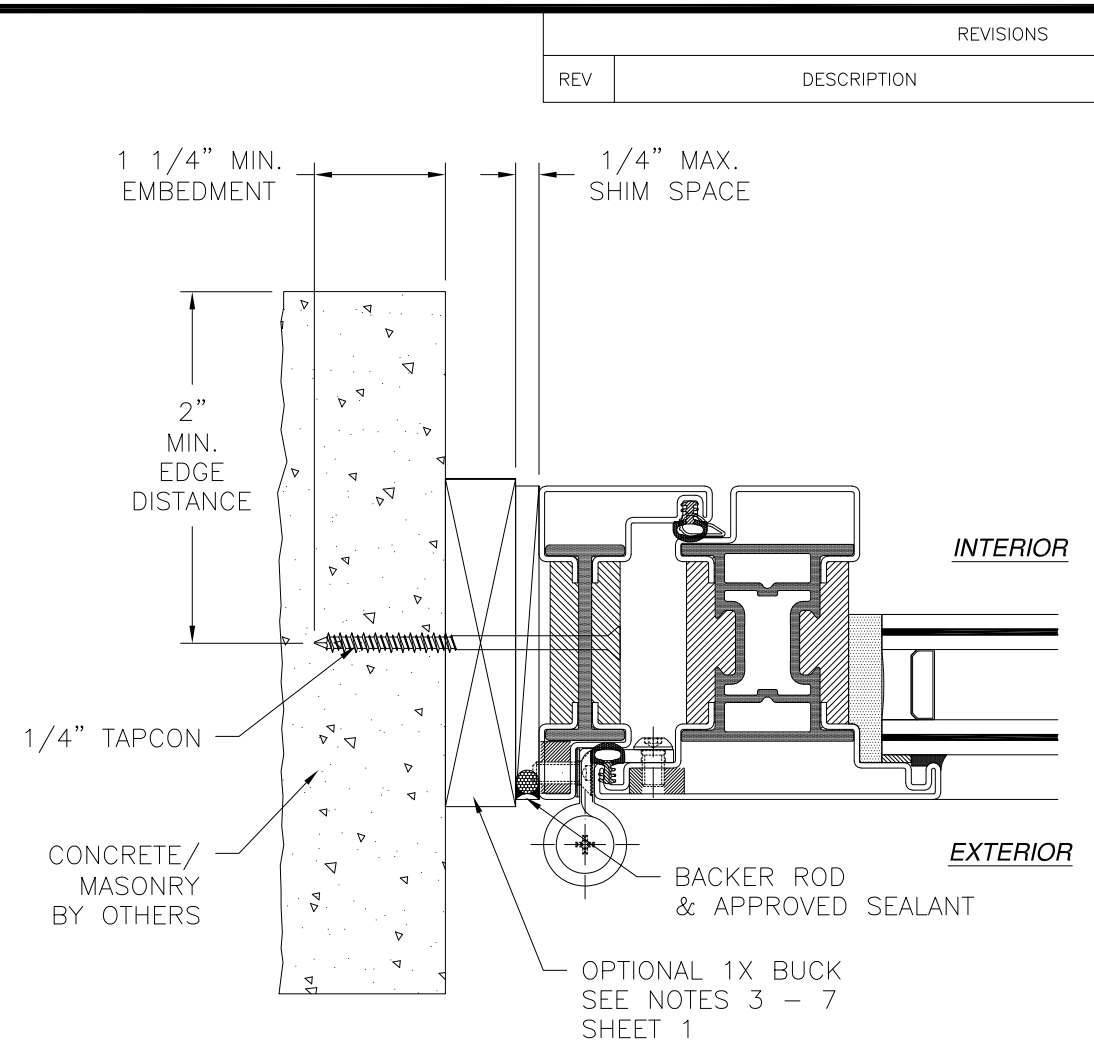
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



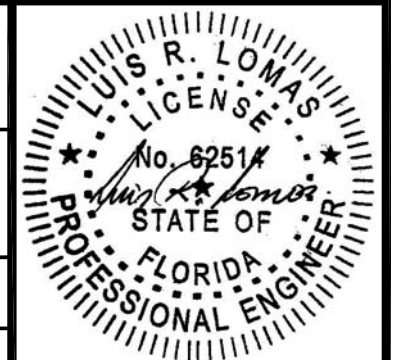
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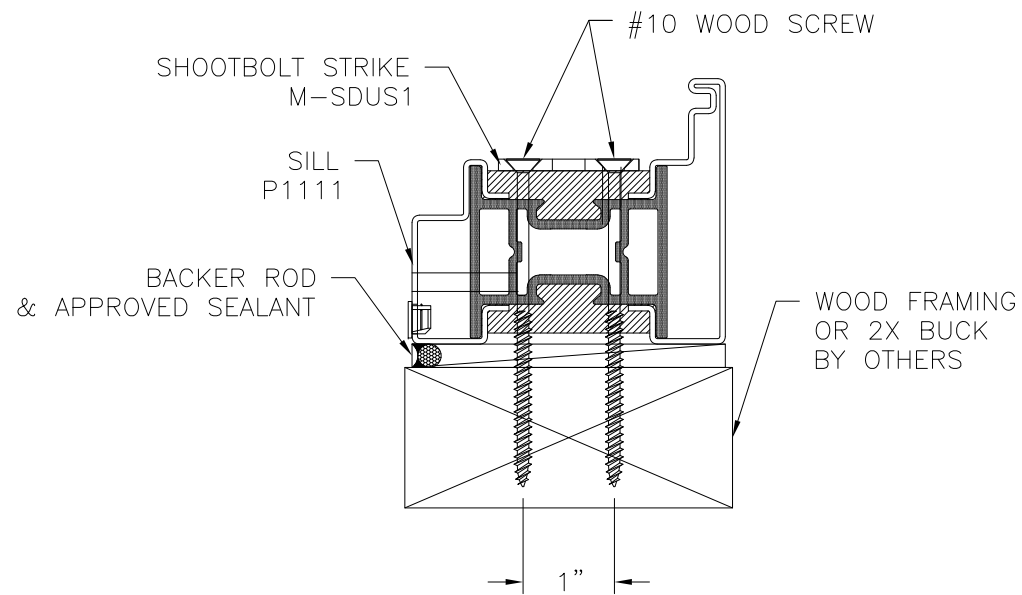
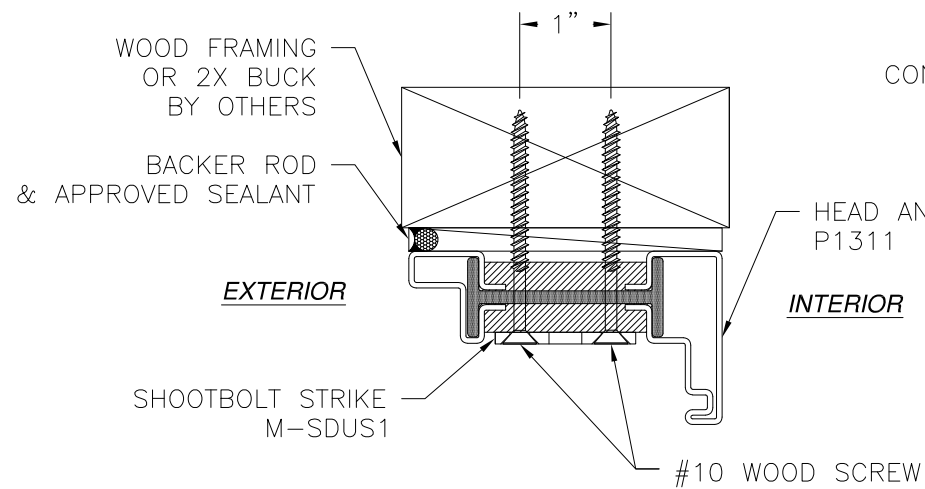
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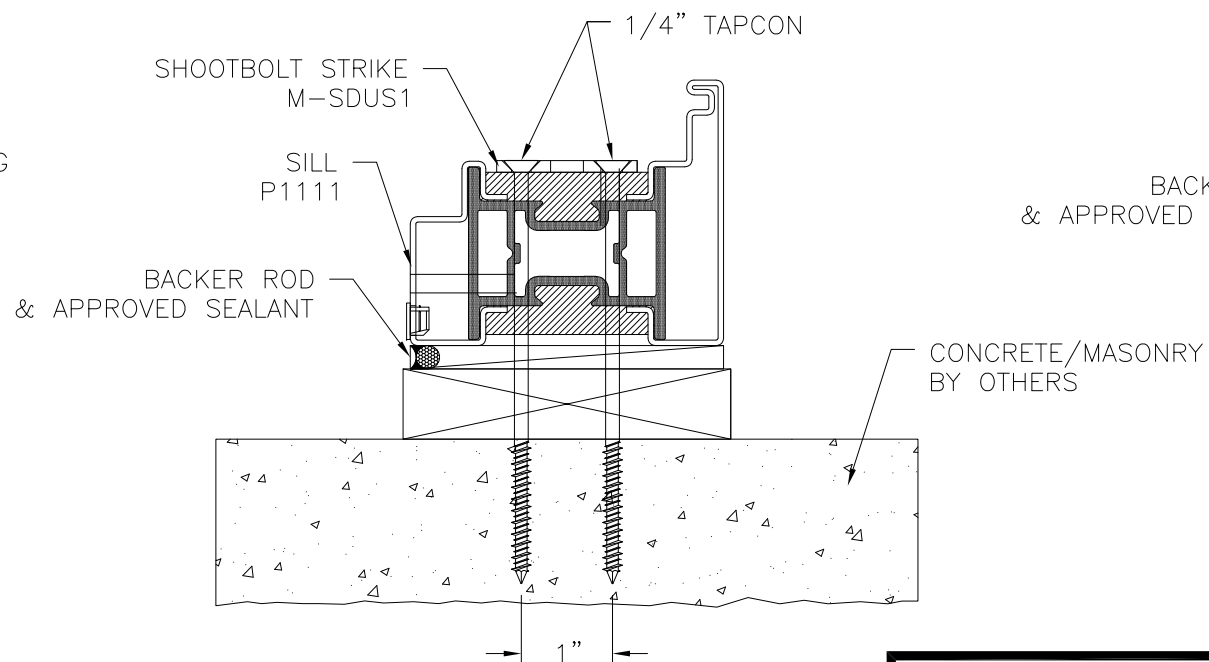
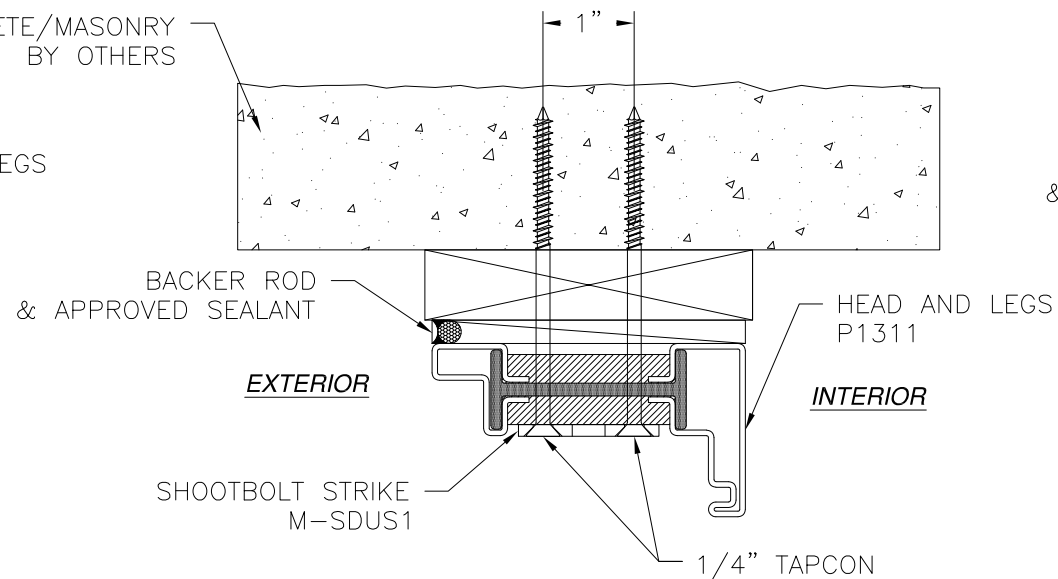


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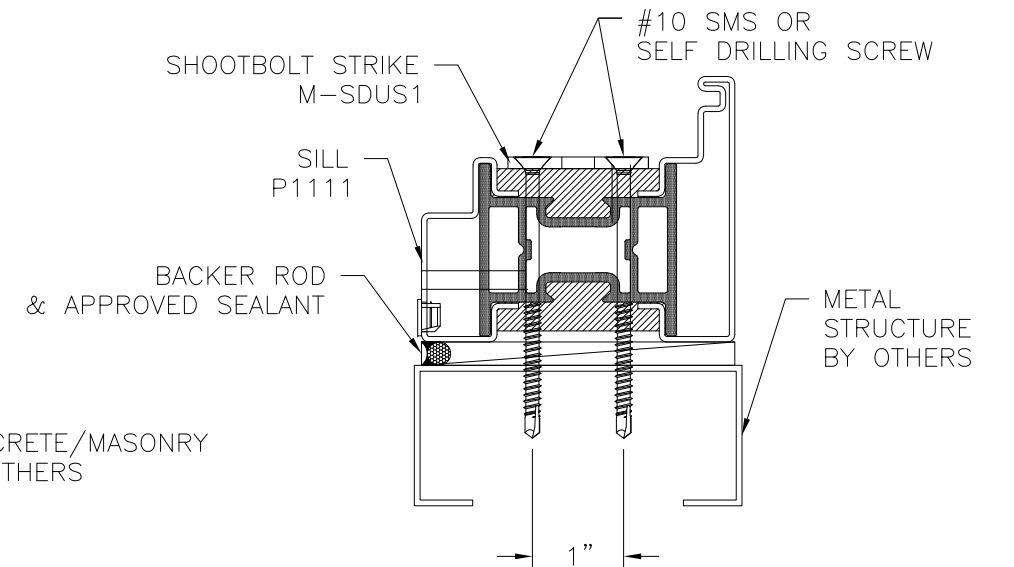
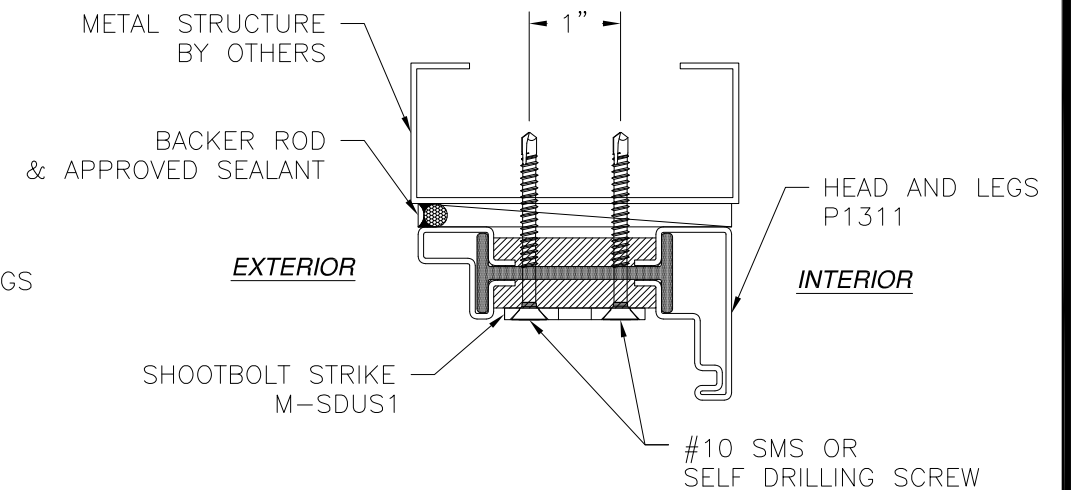
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SHOOTBOLT DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



SHOOTBOLT DETAIL
CONCRETE/MASONRY INSTALLATION

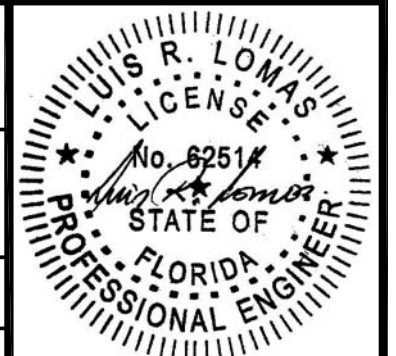


SHOOTBOLT DETAIL
METAL STRUCTURE INSTALLATION

SIGNED: 03/27/2018

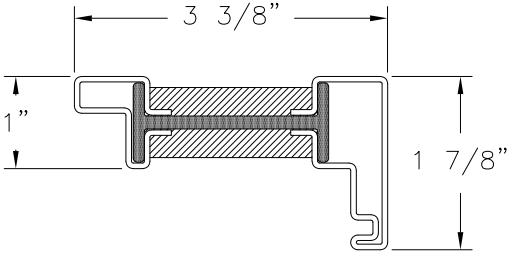
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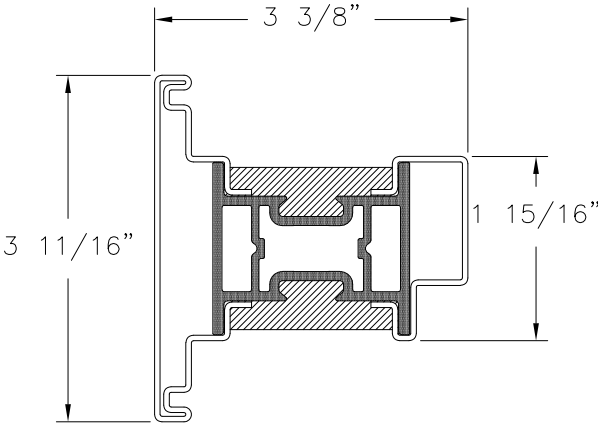


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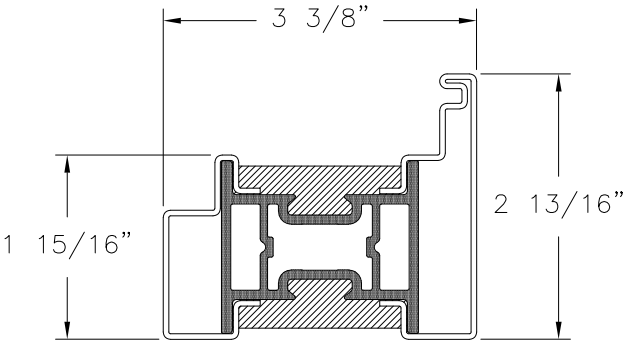
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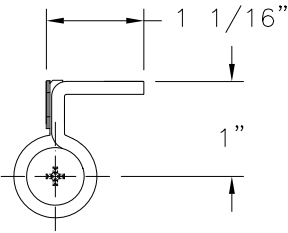
JAMB, HEAD AND LEG
BRONZE P1311



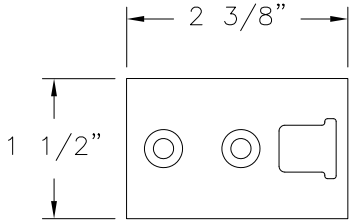
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BRONZE P1112



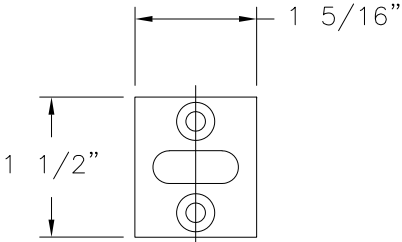
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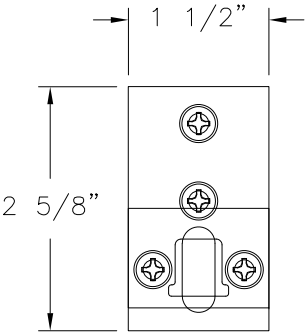
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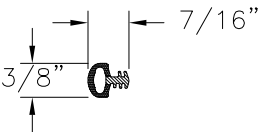
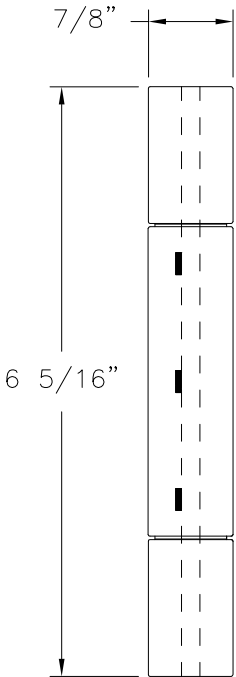
IMPACT SHOOTBOLT PLATE
M-SDIP1



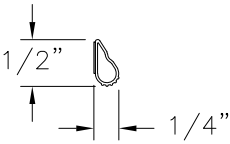
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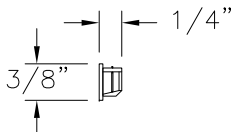
STRIKE RH (LATCH AND DEADBOLT)
3813736



BULB GASKET FOR DOORS
GE 1001TT



ZERO COMPRESS-O-MATIC SEAL
#188S-BK



WEEP PLUG
97-03-00-00

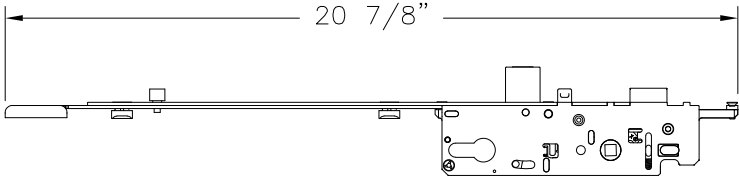
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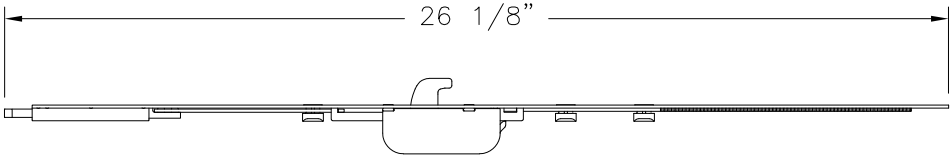


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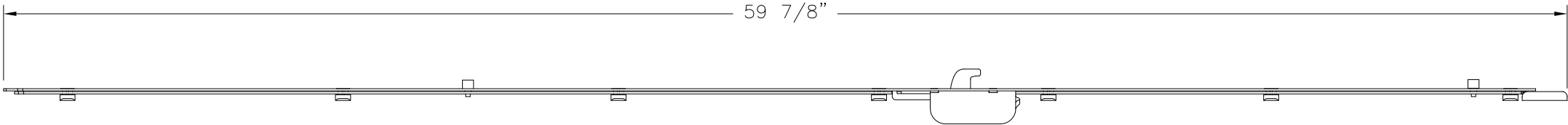
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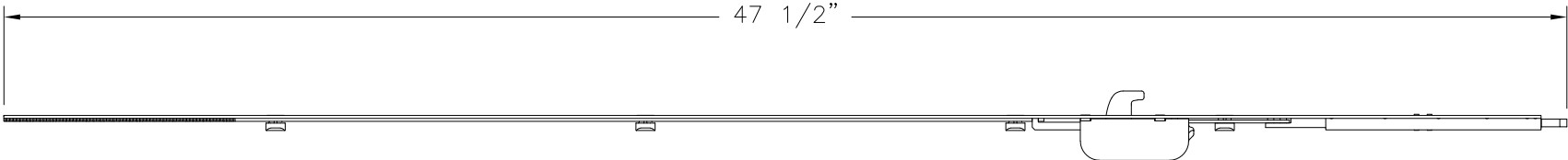
GEAR, BOTTOM EXTENSION
STAINLESS STEEL 11581438



ACTIVE SHOOTBOLT, BOTTOM EXTENSION
STAINLESS STEEL 11581463



HOOK, MIDDLE EXTENSION
STAINLESS STEEL 3726405



ACTIVE SHOOTBOLT, TOP EXTENSION
STAINLESS STEEL 11583198

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