

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	UPDATED PER NEW REQUIREMENTS	05/31/2023	R.L.

NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC) STRUCTURAL REQUIREMENTS INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ).
2. INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED REGISTERED DESIGN PROFESSIONAL.
3. ADEQUACY OF EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING PER INSTALLATION AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. ALL EXTRUSIONS ARE 6063-T5 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
5. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
6. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
7. FOR ANCHORING INTO METAL STRUCTURE USE 1/4" SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
8. FOR MINIMUM REQUIRED SEPARATION BETWEEN PRODUCT AND EXISTING GLASS REFER TO SHEET 3 OF 7 OF THIS APPROVAL DOCUMENT.
9. OPERATION OF ROLL UP MECHANISM IS NOT PART OF THIS APPROVAL. CARE SHOULD BE TAKEN WHEN SHUTTER IS IN MOTION TO INSURE THAT PERSONAL INJURY OR DAMAGE TO THIS PRODUCT DOES NOT OCCUR.
10. SLATS MAY BE INSTALLED WITH EITHER PROFILE FACING EXTERIOR.
11. HOOD ASSEMBLY IS IMPACT RATED AND MAY BE PLACED INSIDE FRAME OPENING AS AN EXPOSED FEATURE.

SIGNED: 05/09/2024

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MIM RISK SOLUTIONS, INC.
1056 NE PINE ISLAND RD #H-W
CAPE CORAL, FL 33909

DIRECT WALL/INTERIOR CEILING MOUNT
55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ
NOTES

DRAWN:
JRM

DWG NO.
08-03140

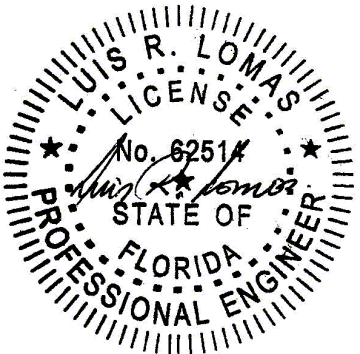
REV
B

SCALE NTS

DATE 01/03/14

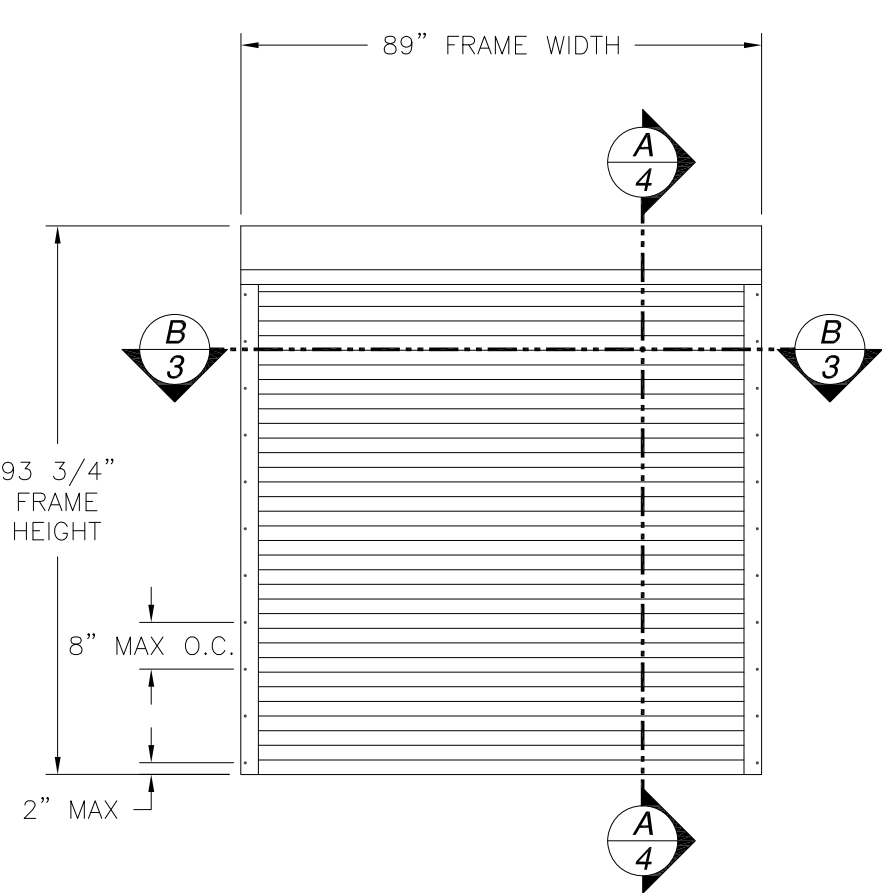
SHEET 1 OF 7

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



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

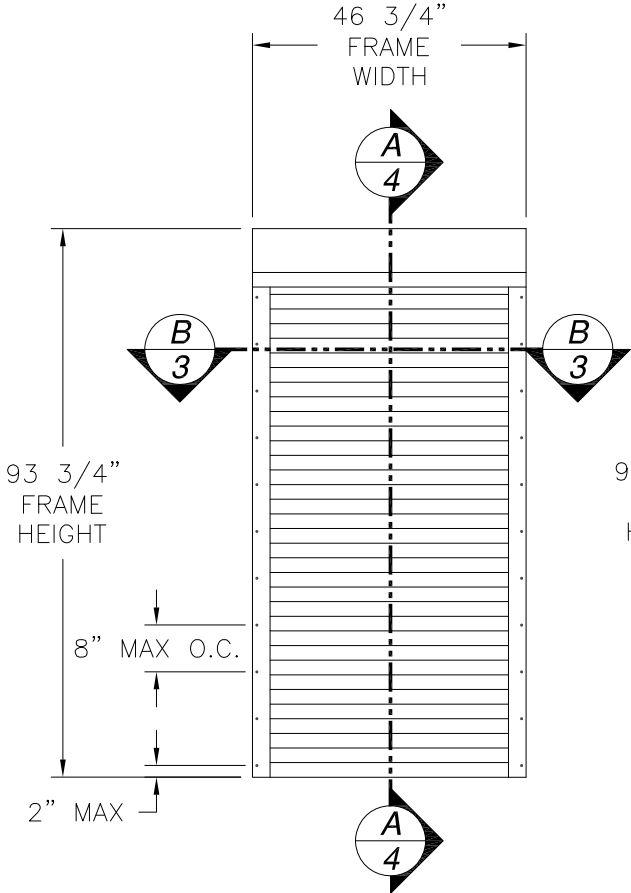
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55 MM ALUMINUM ROLL-UP SHUTTER SYSTEM
EXTERIOR VIEW

DESIGN LOAD RATING	IMPACT RATING
±30.0PSF	LARGE AND SMALL MISSILE IMPACT

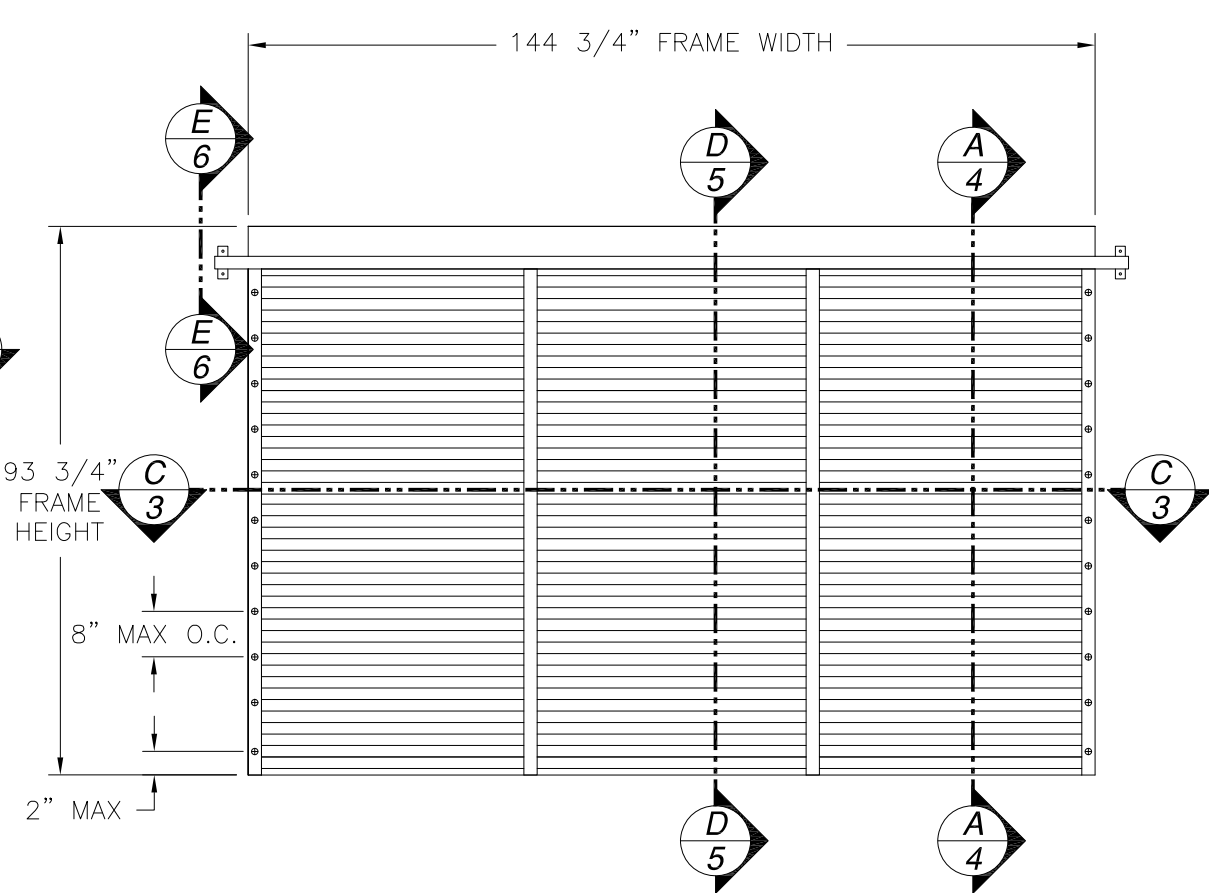
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ



55 MM ALUMINUM ROLL-UP SHUTTER SYSTEM
EXTERIOR VIEW

DESIGN LOAD RATING	IMPACT RATING
±100.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ



55 MM ALUMINUM ROLL-UP SHUTTER SYSTEM
WITH STORM BARS
EXTERIOR VIEW

DESIGN LOAD RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

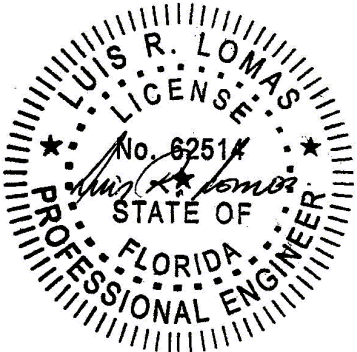
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MIM RISK SOLUTIONS, INC.
1056 NE PINE ISLAND RD #H-W
CAPE CORAL, FL 33909

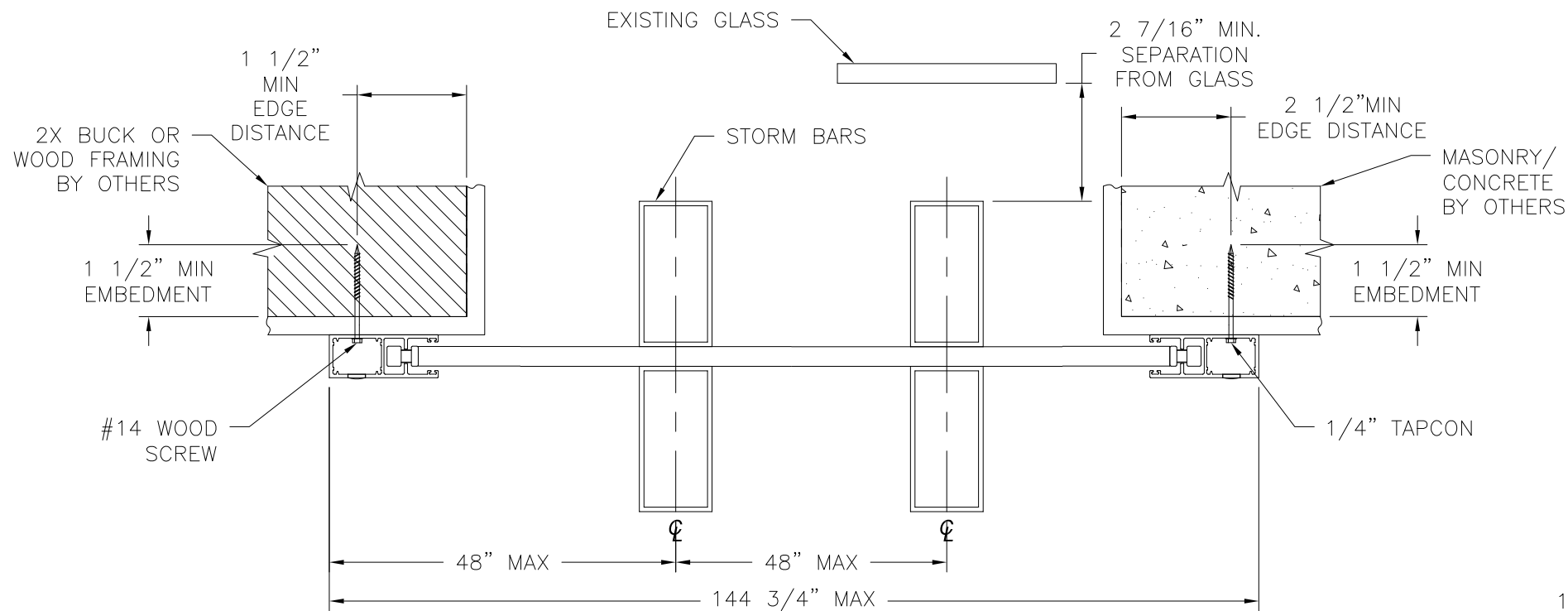
DIRECT WALL/INTERIOR CEILING MOUNT
55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ
ELEVATIONS

DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 2 OF 7

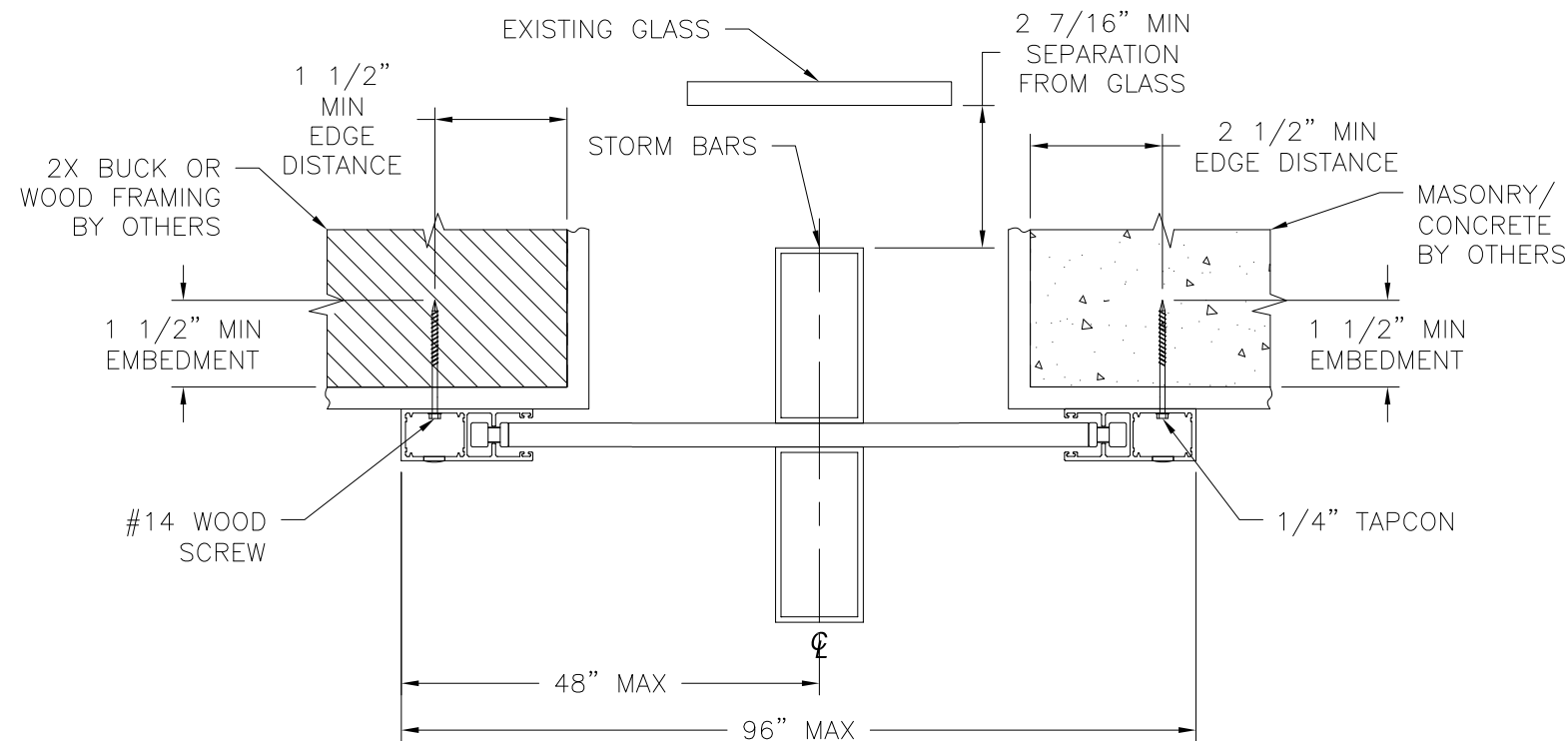
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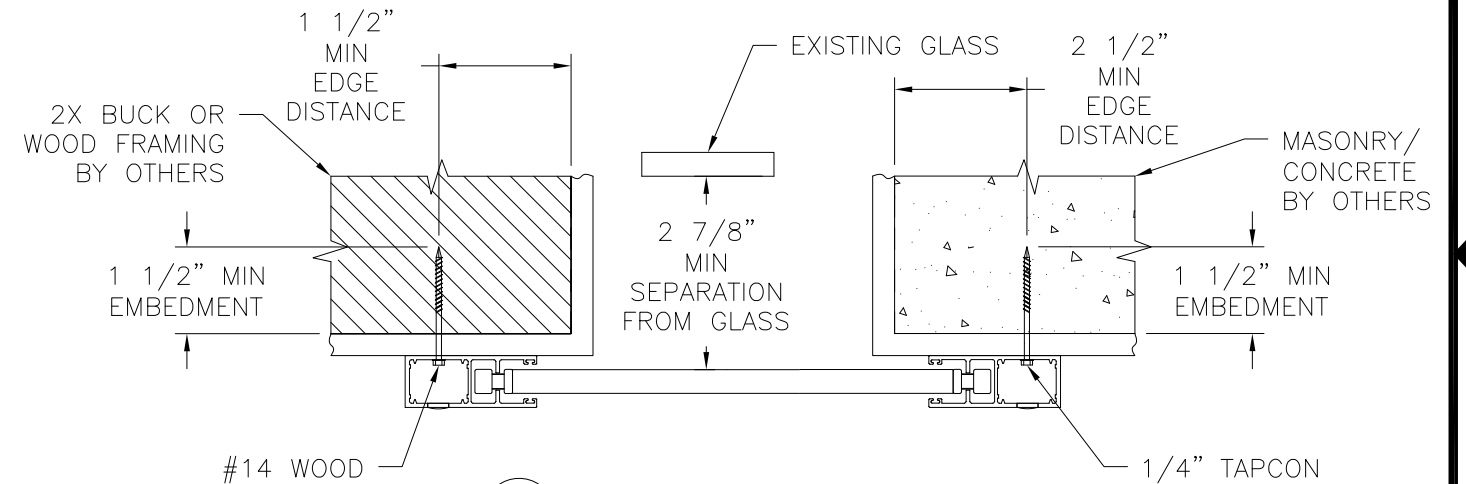
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C
3 **HORIZONTAL CROSS SECTION**
UNITS WITH STORM BARS
97" WIDE UP TO 144 3/4" WIDE



C
3 **HORIZONTAL CROSS SECTION**
UNITS WITH STORM BARS
47" WIDE UP TO 96" WIDE



B
3 **HORIZONTAL CROSS SECTION**
UNITS WITHOUT STORM BARS

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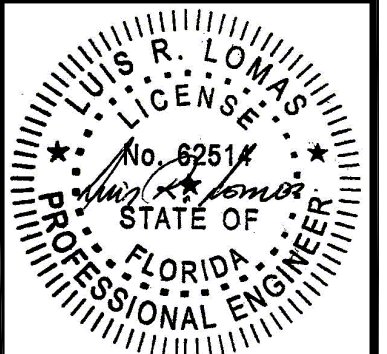
MIM RISK SOLUTIONS, INC.
1056 NE PINE ISLAND RD #H-W
CAPE CORAL, FL 33909

DIRECT WALL/INTERIOR CEILING MOUNT
55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ
INSTALLATION DETAILS

DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 3 OF 7

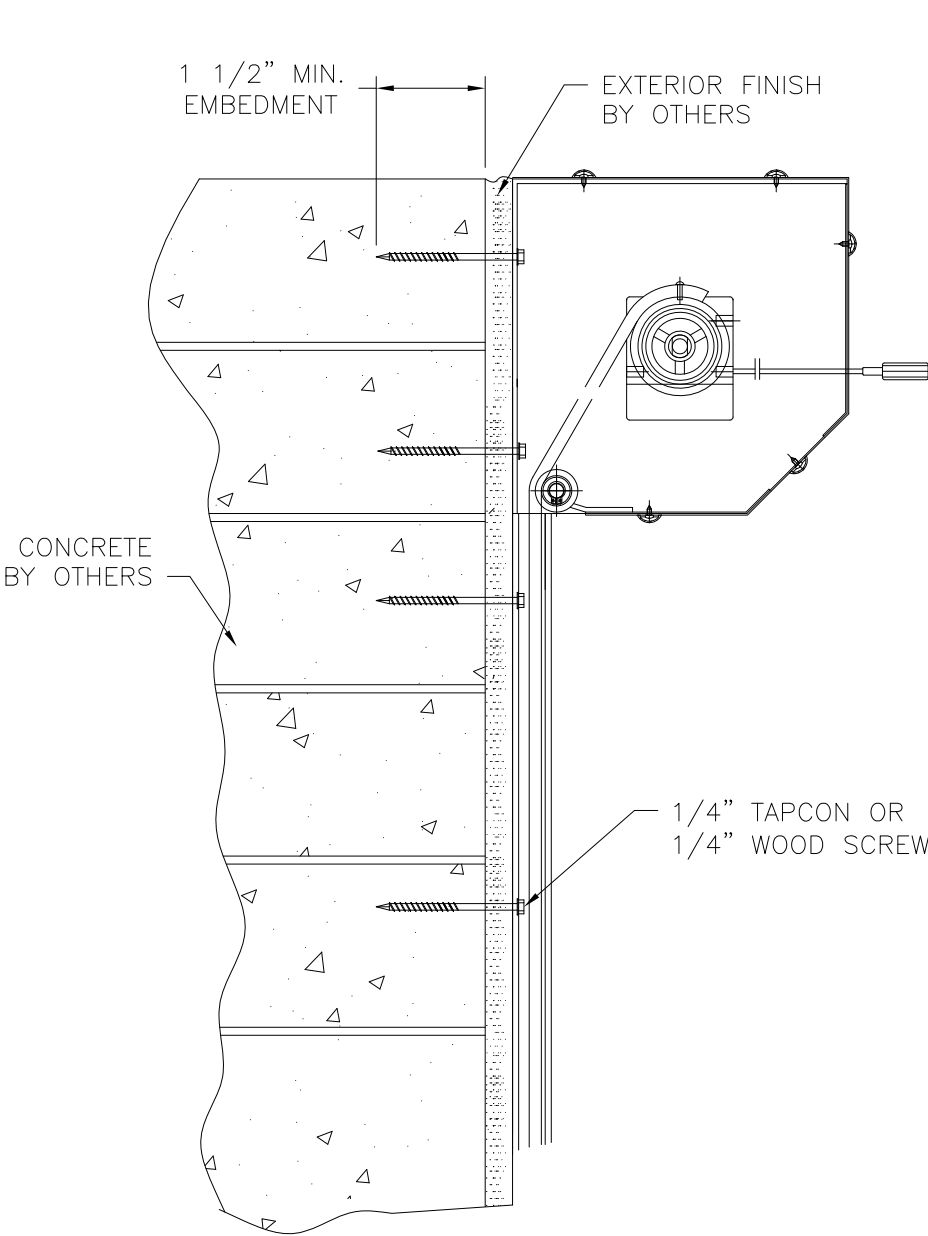
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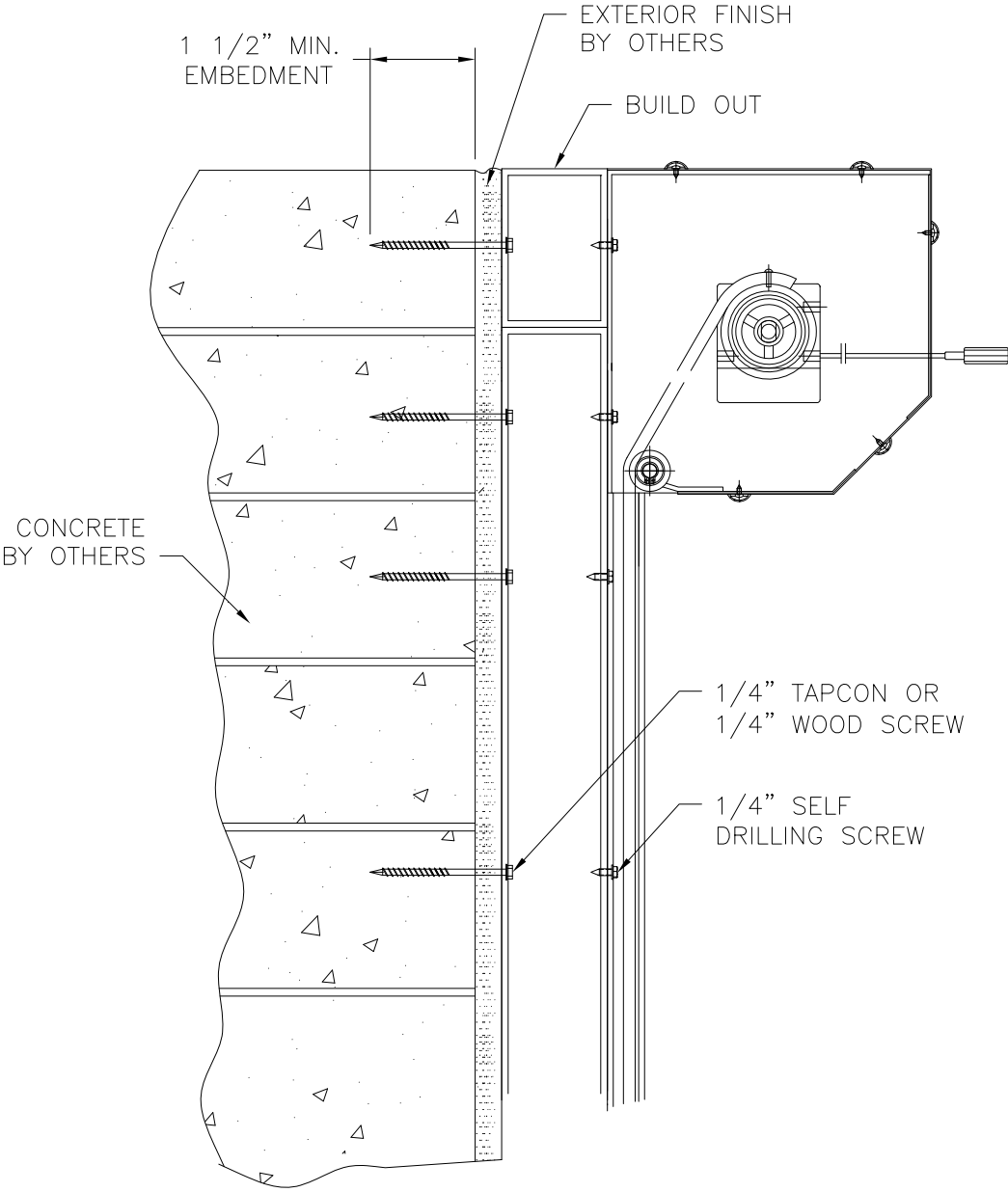


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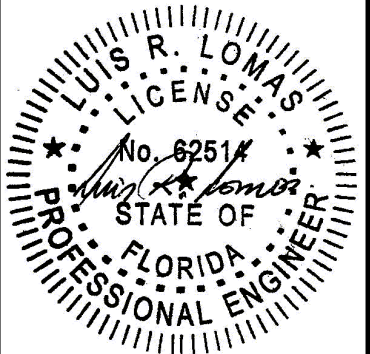
A
4 **VERTICAL CROSS SECTION**
CONCRETE INSTALLATION SHOWN
SEE SHEET 3 FOR WOOD
INSTALLATION DETAIL



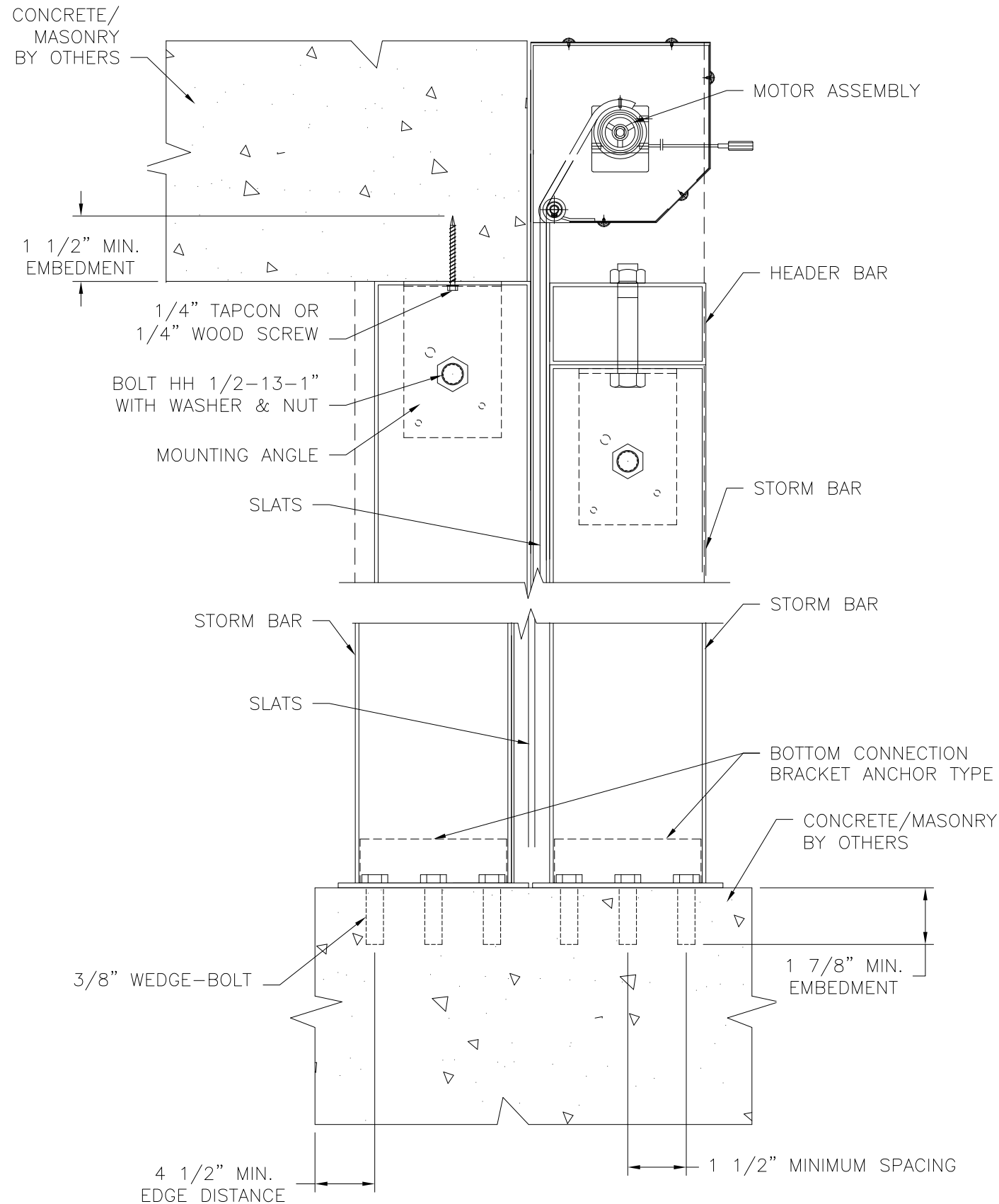
A
4 **VERTICAL CROSS SECTION (BUILD-OUT)**
CONCRETE INSTALLATION SHOWN
SEE SHEET 3 FOR WOOD
INSTALLATION DETAIL

MIM RISK SOLUTIONS, INC. 1056 NE PINE ISLAND RD #H-W CAPE CORAL, FL 33909		
DIRECT WALL/INTERIOR CEILING MOUNT 55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ INSTALLATION DETAILS		
DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 4 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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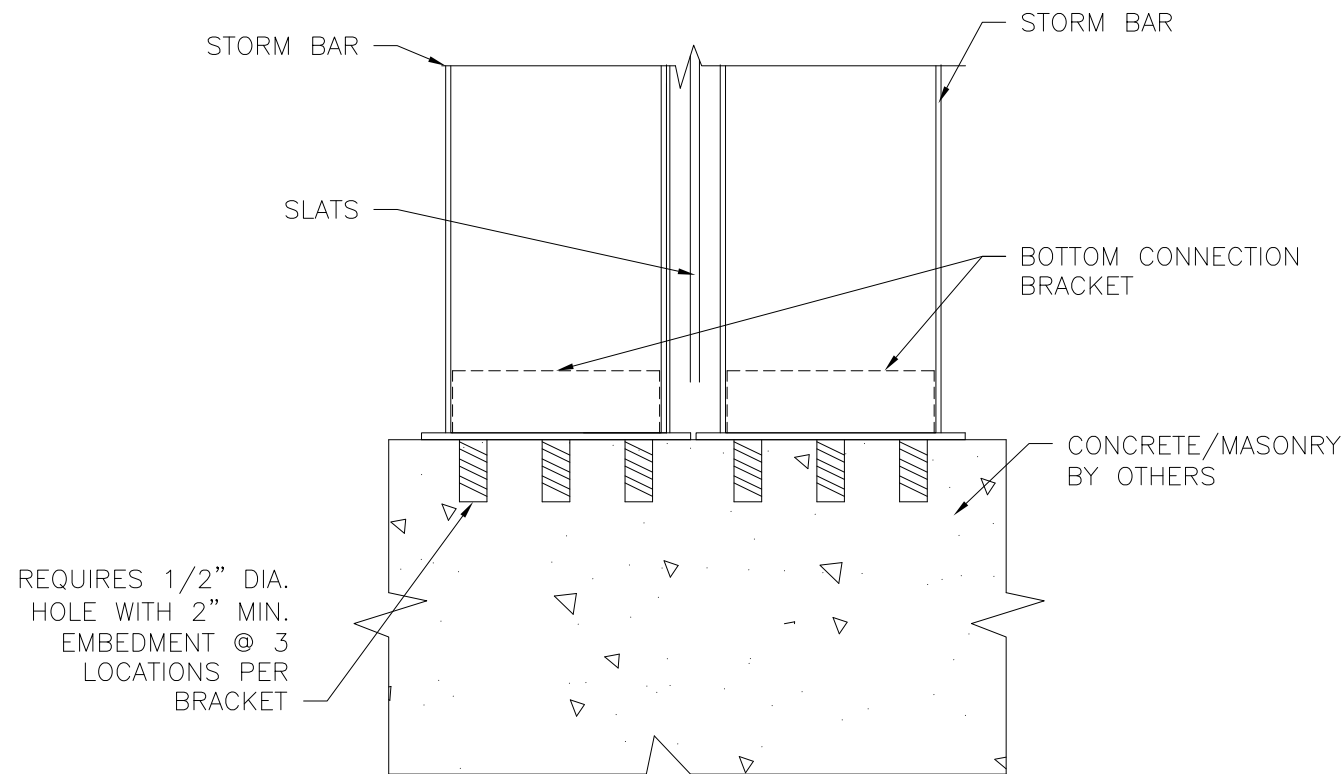


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D/5 VERTICAL CROSS SECTION
STORM BAR INSTALLATION

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D/5 VERTICAL CROSS SECTION
(OPTIONAL) BOTTOM STORM
BAR INSTALLATION

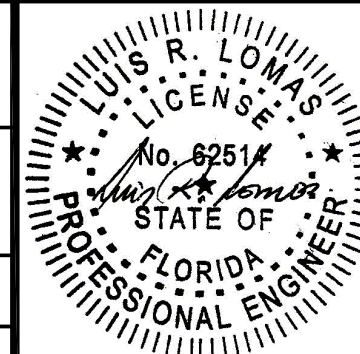
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MIM RISK SOLUTIONS, INC.
1056 NE PINE ISLAND RD #H-W
CAPE CORAL, FL 33909

DIRECT WALL/INTERIOR CEILING MOUNT
55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ
INSTALLATION DETAILS

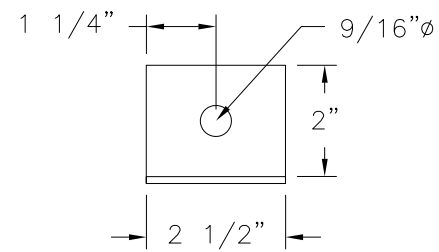
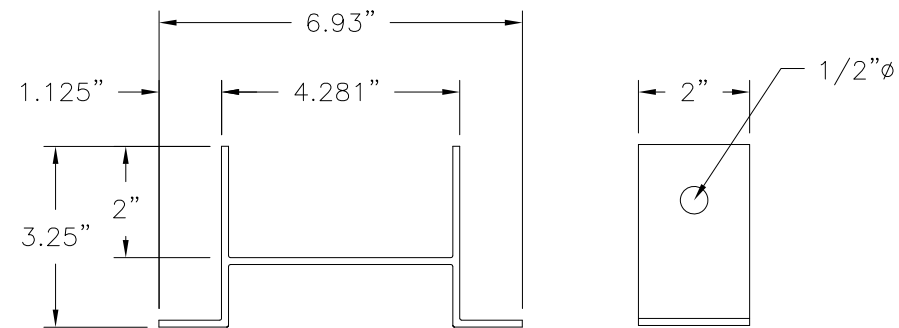
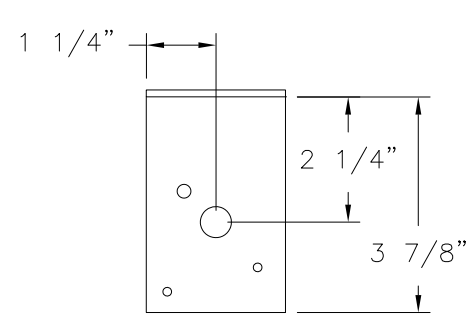
DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 5 OF 7

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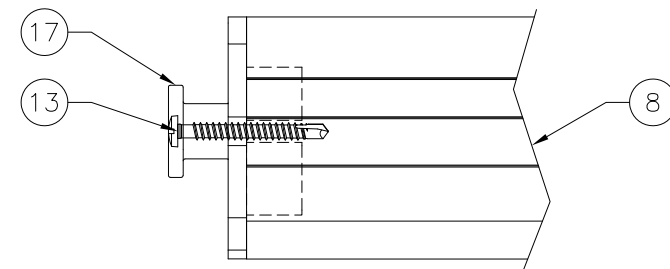
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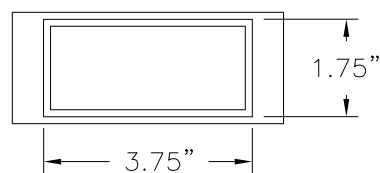
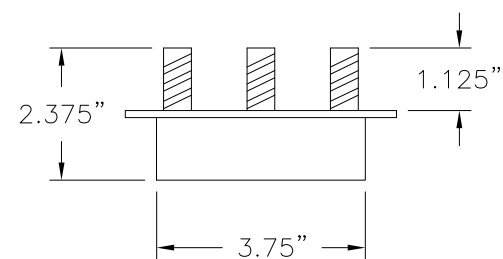
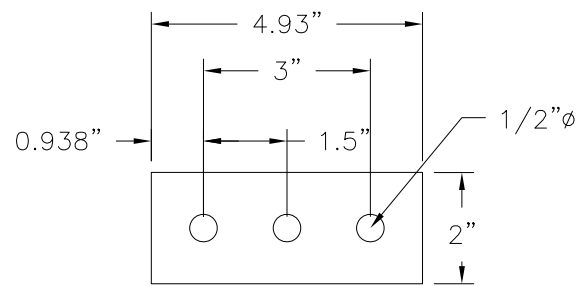


(24) MOUNTING ANGLE 12 GA. (.125" THICK)
GALVANIZED STEEL

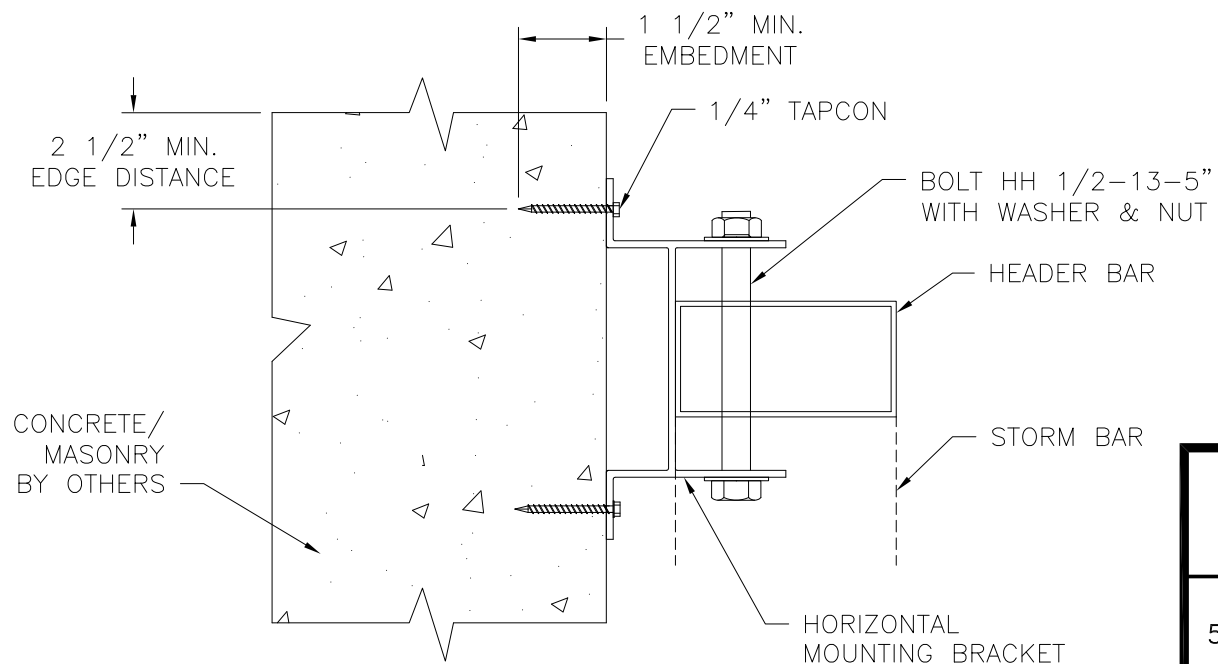
(25) HORIZONTAL MOUNTING BRACKET
12 GA. (.125" THICK) GALVANIZED STEEL



SIDE CLIP/SLAT INSTALLATION DETAIL



(26) BOTTOM STORM BAR CONNECTION BRACKET
12 GA. (.12" THICK) GALVANIZED STEEL



(E/6) VERTICAL CROSS SECTION
HEAD BAR INSTALLATION

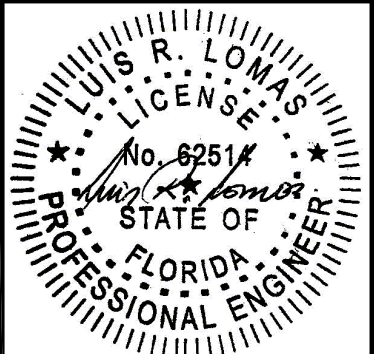
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CAPE CORAL, FL 33909

DIRECT WALL/INTERIOR CEILING MOUNT
55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ
INSTALLATION DETAILS/COMPONENTS

DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 6 OF 7

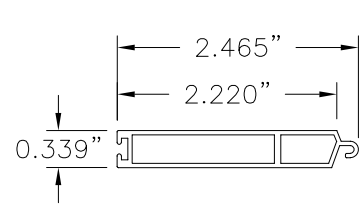
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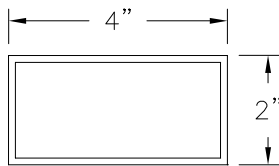
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BILL OF MATERIAL	
ITEM #	DESCRIPTION
1	250 MM HOOD ALUMINUM PLATE
2	300 MM HOOD ALUMINUM PLATE
3	BRACKET RIGHT, ALUMINUM
4	MOTOR TUBE, ALUMINUM
5	MOTOR
6	BRACKET LEFT, ALUMINUM
7	MOTOR MOUNT NUTS
8	55 MM SLAT, ALUMINUM
9	NOT USED
10	56MM END RAIL-ALUMINUM
11	HEADER 2 X 4 X 1/8" ALUMINUM 6063-T5
12	STORM BAR 2 X 4 X 1/8" ALUMINUM
13	#8 X 1-1/4" PAN HEAD SELF DRILLING SCREW
14	WOOD SCREW 1/4" X 3"
15	MOTOR MOUNTING ANGLE
16	SPACER
17	END RETENTION SIDE CLIP, NYLON, RH, LH
18	GUIDE RAIL FOR RETENTION-ALUMINUM
19	HEADER U-CHANNEL
20	#10 TEK SELF TAPPING SCREW
21	BOLT HH 1/2- 13-3" WITH WASHER AND NUT
22	BOLT HH 1/2- 13-5" WITH WASHER AND NUT
23	BOLT HH 1/2- 13-1" WITH WASHER AND NUT
24	2.5" X 3.875" X0.125" 12-GA GALVANIZED MOUNTING ANGLE
25	12-GA GALVANIZED STL. HORIZONTAL MOUNTING BRACKET
26	12-GA GALVANIZED STL. BOTTOM CONN. BRACKET
27	IDLER
28	IDLE BRACKET
29	ROLLER GUIDE

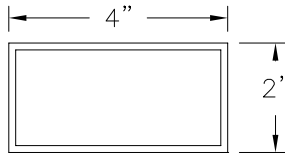
ROLL UP MECHANISM (GEARS, ELECTRICAL MOTORS, SUPPORTING END PLATES) ARE NOT PART OF THIS APPROVAL. .



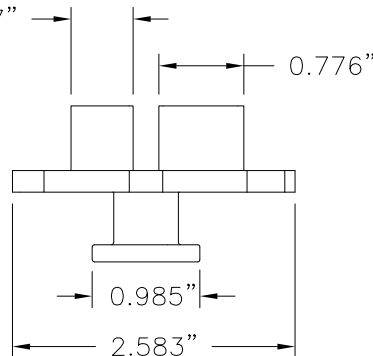
10 56 MM END RAIL
6063-T5 ALUMINUM
.039" THICK



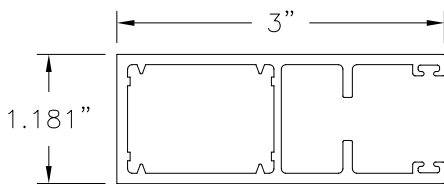
11 HEADER
6063-T5 ALUMINUM
.125" THICK



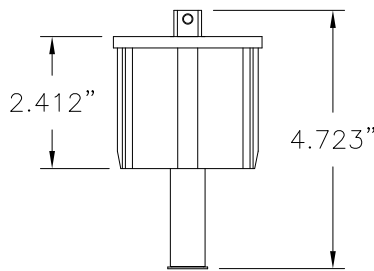
12 STORM BAR
6063-T5 ALUMINUM
.125" THICK"



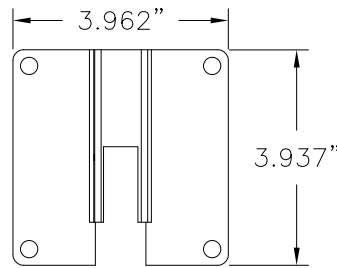
17 76 MM SIDE CLIP



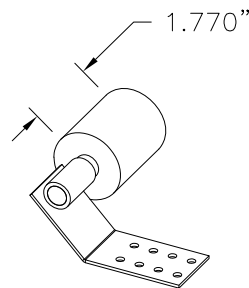
18 GUIDE RAIL
6063-T5 ALUMINUM
.100 THICK



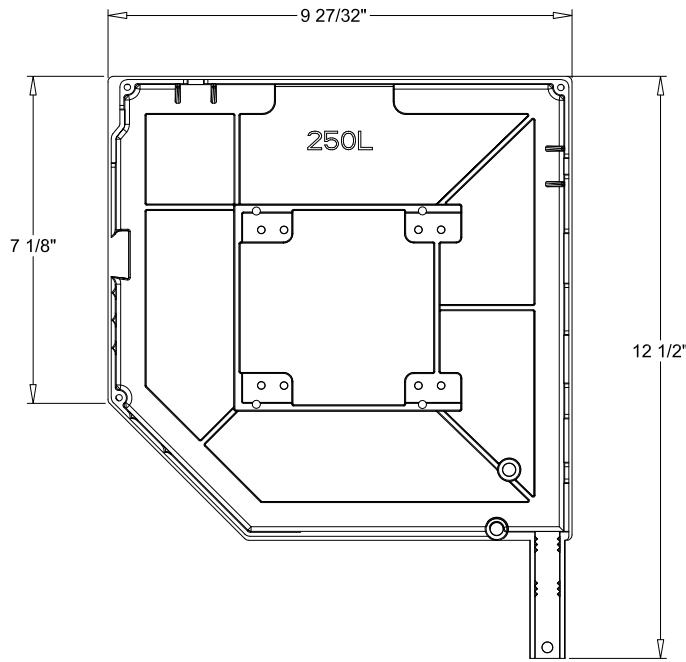
27 IDLER



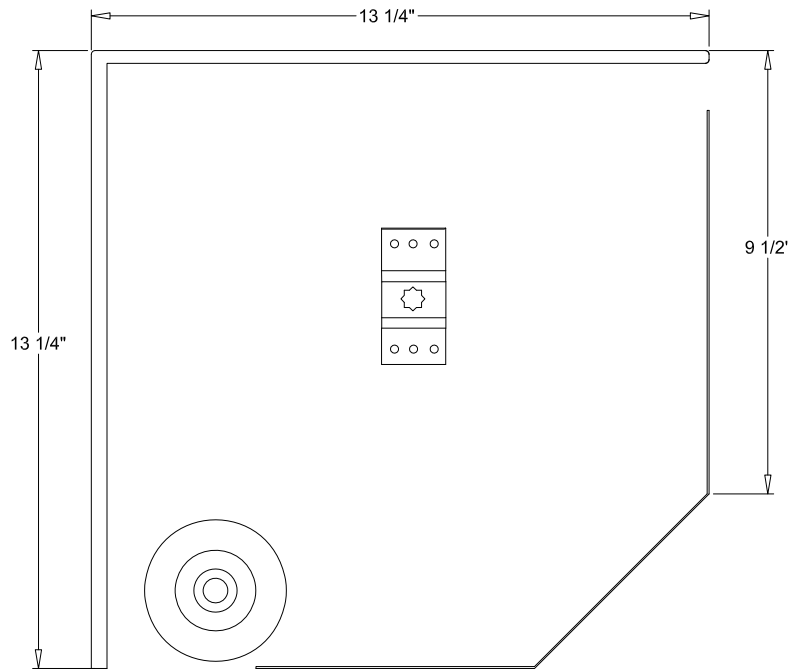
28 IDLE BRACKET



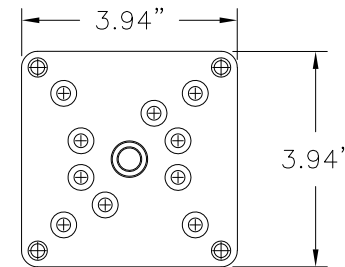
29 ROLLER GUIDE



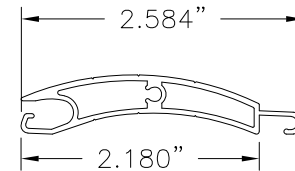
1 250 MM HOOD



2 300 MM HOOD



6 MOTOR BRACKET

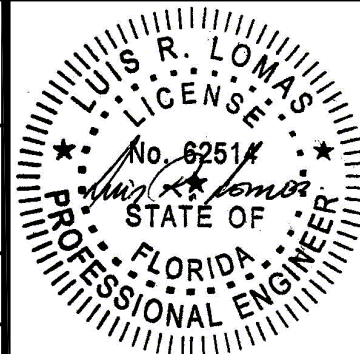


8 55 MM SLAT
6063-T5 ALUMINUM
.053" THICK

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DIRECT WALL/INTERIOR CEILING MOUNT 55MM ALUMINUM ROLL-UP SHUTTER SYSTEM HVHZ COMPONENTS		
DRAWN: JRM	DWG NO. 08-03140	REV B
SCALE NTS	DATE 01/03/14	SHEET 7 OF 7
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