

COLONIAL STANDARD SHUTTER EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

SHEET NO.

1 - 2

3

4 - 5

6 - 7

REVISIONS					
REV	DESCRIPTION	DATE	APPROVED		
С	REVISED PER NEW CODE	08/16/2023	R.L.		

NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 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. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 4. SHUTTER FRAME AND BLADES MATERIAL: ALUMINUM 6063-T6.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN DEBRIS REGIONS.
- 6. FOR ANCHORING INTO MASONRY USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 5/16" MINIMUM EDGE DISTANCE AND 1 3/4" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 7. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK OR THROUGH BRICK VEENER INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 8. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 9. ALL FASTENERS TO BE CORROSION RESISTANT.
- 10. 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:
- 10.1. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.42
- 10.2. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
- 10.3. MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

SIGNED: 10/26/2023

METAIRIE, LA 70001

COLONIAL SHUTTER
BI-FOLD AND STANDARD LARGE MISSILE IMPACT
STANDARD ELEVATION, ANCHORING AND NOTES

DRAWN:
TJH

DWG NO.
TJH

08-01234

C

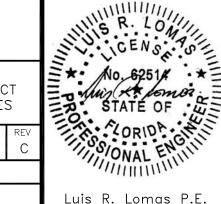
SCALE NTS

DATE 05/03/11

SHEET 1 OF 7

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LAS ENTERPRISES
2413 L & A ROAD



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



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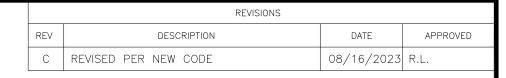
ELEVATIONS, ANCHORING AND NOTES

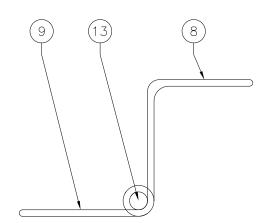
CROSS SECTIONS

INSTALLATION DETAILS

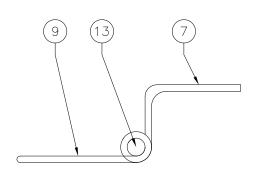
BILL OF MATERIALS AND COMPONENTS

DESCRIPTION

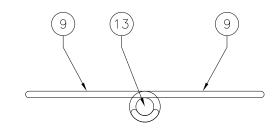




DOUBLE WALL HINGE ASSY

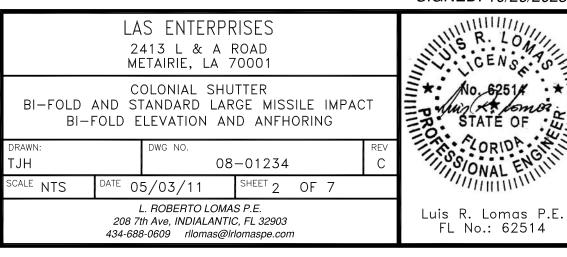


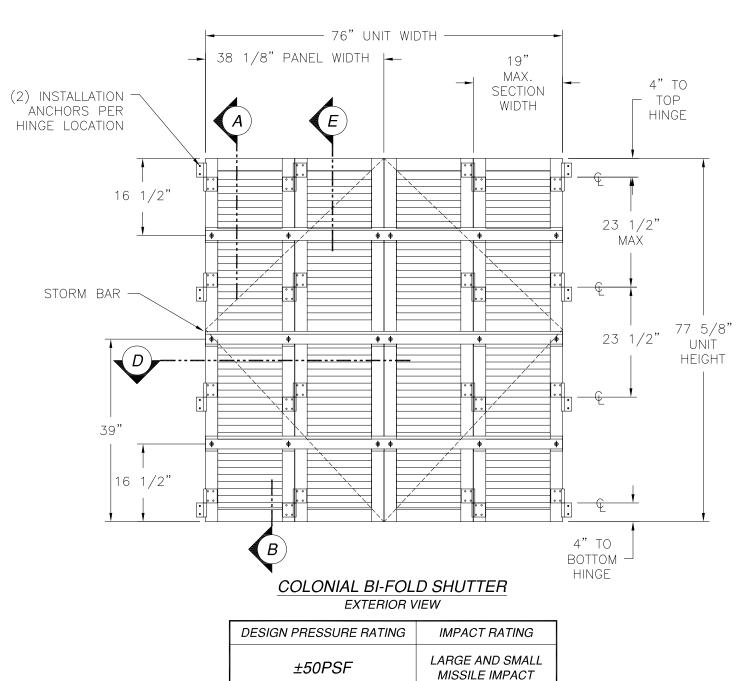
STANDARD WALL HINGE



BI-FOLD INTERIOR HINGE ASSY

SIGNED: 10/26/2023

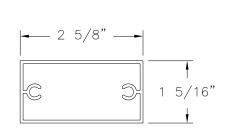


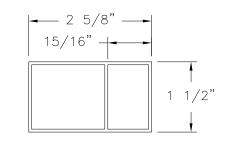


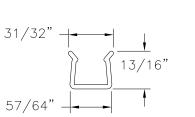
MISSILE LEVEL D, WIND ZONE 4

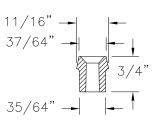
	PARTS LIST			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	11504A	FRAME TOP/BOTTOM	LAS ENTERPRISES	ALUMINUM 6063-T6
2	11761	FRAME SIDE	LAS ENTERPRISES	ALUMINUM 6063-T6
3		CLIP	GENESIS TEK, LLC	DELRIN POM
4		BULLIT	GENESIS TEK, LLC	DELRIN POM
5	11759	D/N COLBL W/SCREW COGS	LAS ENTERPRISES	ALUMINUM 6063-T6
6	11759 ALT	D/N COLBL W/O SCREW COGS	LAS ENTERPRISES	ALUMINUM 6063-T6
7	11404	STANDARD WALL HINGE	LAS ENTERPRISES	ALUMINUM 6063-T6
8	11403	BI-FOLD WALL HINGE	LAS ENTERPRISES	ALUMINUM 6063-T6
9	11405	BI-FOLD INTERMEDIATE HINGE	LAS ENTERPRISES	ALUMINUM 6063-T6
10	12115	F-TRACK	LAS ENTERPRISES	ALUMINUM 6063-T6
11		#14 x 2" PAN HEAD SMS		

REVISIONS			
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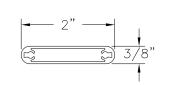




FRAME TOP/BOTTOM $^\prime$ ALUMINUM 6063-T6 .063" THICK

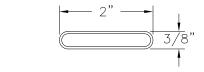
FRAME SIDE ALUMINUM 6063-T6 .063" THICK DELRIN POM .091" THICK

BULLIT DELRIN POM

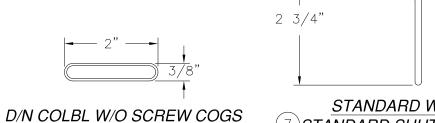


D/N COLBL W/SCREW COGS

ALUMINUM 6063-T6 .050" THICK

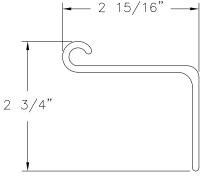


ALUMINUM 6063-T6 .055" THICK

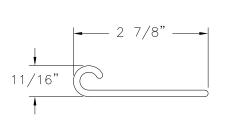


STANDARD WALL HINGE (7)STANDARD SHUTTER TIE DOWN ALUMINUM 6063-T6 .139" THICK

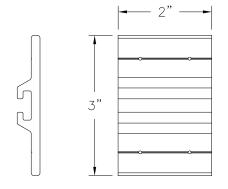
+ 1 11/16"



DOUBLE WALL HINGE (8) BI-FOLD SHUTTER TIE DOWN ALUMINUM 6063-T6 .139" THICK



BI-FOLD INTERIOR HINGE ALUMINUM 6063-T6 .139" THICK



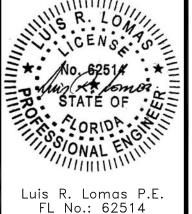
F-TRACK ALUMINUM 6063-T6 .1875" THICK LAS ENTERPRISES

2413 L & A ROAD METAIRIE, LA 70001

COLONIAL SHUTTER BI-FOLD AND STANDARD LARGE MISSILE IMPACT BILL OF MATERIALS AND COMPONENTS

DRAWN: DWG NO. TJH 08-01234 SCALE NTS SHEET 3 OF 7 DATE 05/03/11

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SIGNED: 10/26/2023

