- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 5. FOR INSTALLATION THROUGH STRAP INTO 1X BUCK TO CONCRETE/MASONRY, OR THROUGH STRAP DIRECTLY INTO CONCRETE/MASONRY, USE (2) 1/4" ITW TAPCONS PER INSTALLATION STRAP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH STRAP INTO 2X BUCK USE (4) #14 WOOD SCREWS PER INSTALLATION STRAP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 7. FOR INSTALLATION THROUGH STRAP INTO METAL STUD USE (4) 1/4" SELF-TAPPING SCREWS PER INSTALLATION STRAP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
- FOR INSTALLATION THROUGH THRESHOLD/SIDELITES AT SILL INTO 2X BUCK, USE (1) #14 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 9. FOR INSTALLATION THROUGH THRESHOLD/SIDELITES AT SILL INTO CONCRETE ONLY, USE (1) 1/4" ITW TAPCON PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- 10. USE 3/8" WASHERS WITH ALL INSTALLATION FASTENERS.
- 11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 13. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 14. 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 BY THE ANCHOR MANUFACTURER.
- 15. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90.
 - D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 49 MILS (18 GAUGE).

ACADIAN IRON WORKS OUTSWING WROUGHT IRON DOORS

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN **EVALUATED ACCORDING TO THE FOLLOWING:**
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING 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.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. DOOR MATERIAL: Q235 GRADE STEEL
 - Fy min= 34.1 KSI
 - Fty min= 54.4 KSI
- 7. STEEL COMPONENTS SHALL BE COATED OR PROVIDED WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF FBC SECTION 2220.
- 8. ALL EXPOSED STEEL COMPONENTS ARE SHOP PRIMED.
- 9. IRON WORK SUCH AS DECORATIVE GRILLES, ETC. IS NOT PART OF THIS APPROVAL.
- 10.GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 10 FOR GLAZING DETAILS.

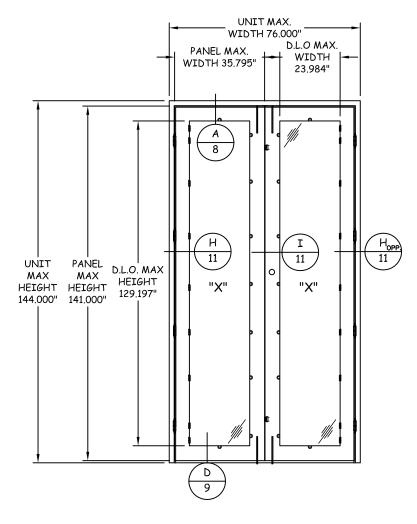
TABLE OF CONTENTS					
SHEET	REVISION	SHEET DESCRIPTION			
1	-	INSTALLATION & GENERAL NOTES			
2	-	ELEVATION AND ANCHOR LAYOUT - SP1			
3	-	ELEVATION AND ANCHOR LAYOUT - SP2			
4	-	ELEVATION AND ANCHOR LAYOUT - SP3			
5	-	ELEVATION AND ANCHOR LAYOUT - SP4			
6	-	ELEVATION AND ANCHOR LAYOUT - SP5			
7	-	ELEVATION AND ANCHOR LAYOUT - SP6			
8	-	VERTICAL SECTIONS			
9	-	VERTICAL SECTIONS			
10	-	VERTICAL SECTIONS & GLAZING DETAILS			
11	-	HORIZONTAL SECTIONS			
12	-	HORIZONTAL SECTIONS			
13	-	STRAP INSTALLATION GUIDELINES			
14	-	COMPONENTS & BILL OF MATERIALS			
15	-	COMPONENTS (CONTINUED)			

DESIGN PRESSURE RATING						
SPECIMEN	DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING				
ALL	+70 / -70 PSF*	LARGE & SMALL MISSILE IMPACT RATED				

^{*}UNITS MEET WATER INFILTRATION REQUIREMENTS AT WATER TEST PRESSURE OF 10.5 PSF.



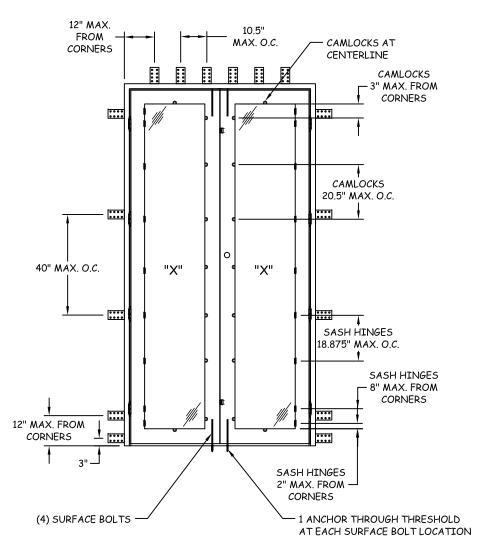
ACADIAN IRON WORKS 2805 ST. CHARLES AVE. MONROE, LA 71201



ELEVATION SPECIMEN 1

HARDWARE NOTES:

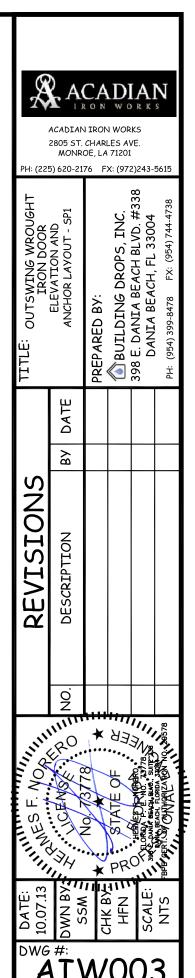
- 1. EACH ACTIVE PANEL SHALL UTILIZE FOUR (4) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 37.25" MAX. O.C. THEREAFTER.
- CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

INSTALLATION NOTES:

- TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.



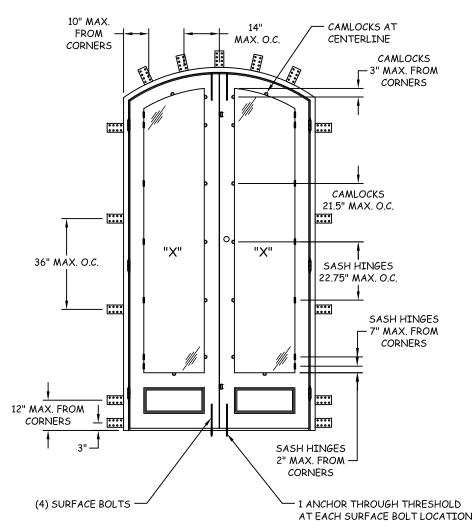
STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4"

UNIT MAX.

ELEVATION SPECIMEN 2

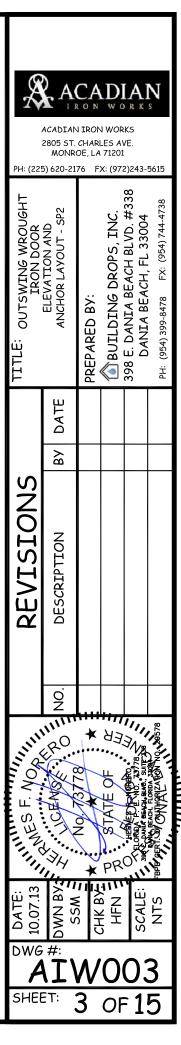
HARDWARE NOTES

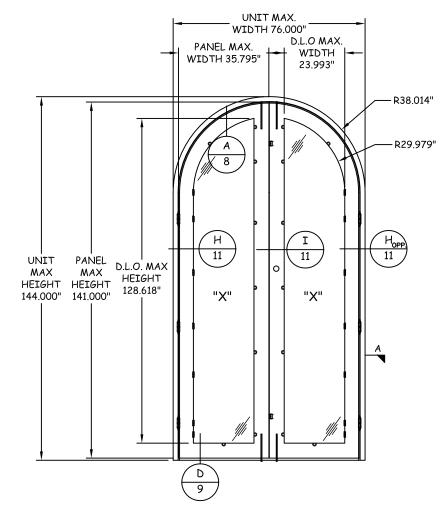
- 1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- 2. HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 54.00" MAX. O.C. THEREAFTER.
- 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

- 1. STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4" TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.

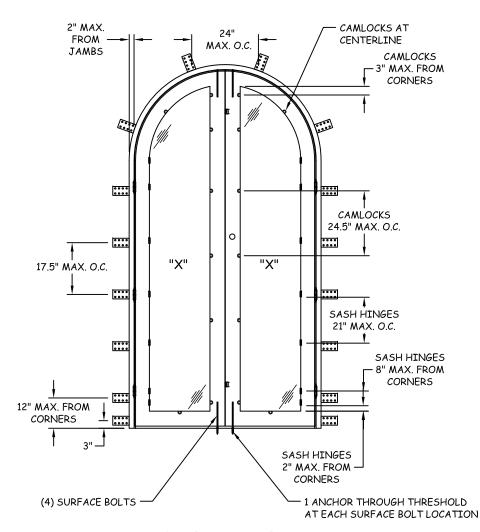




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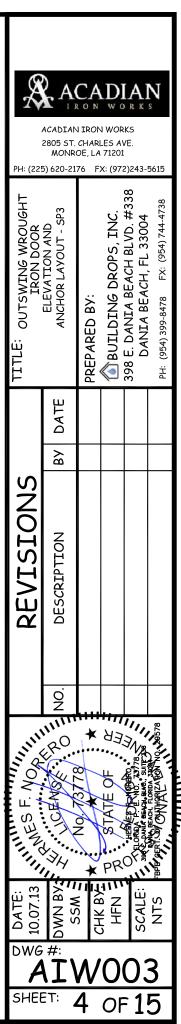
HARDWARE NOTES:

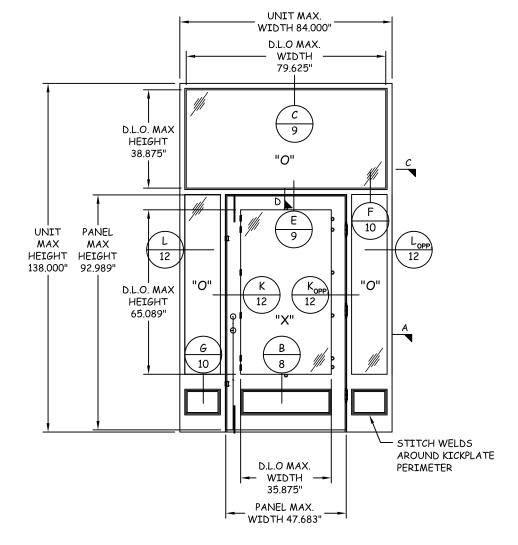
- 1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 41.50" MAX. O.C. THEREAFTER.
- 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

- 1. STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4" TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.

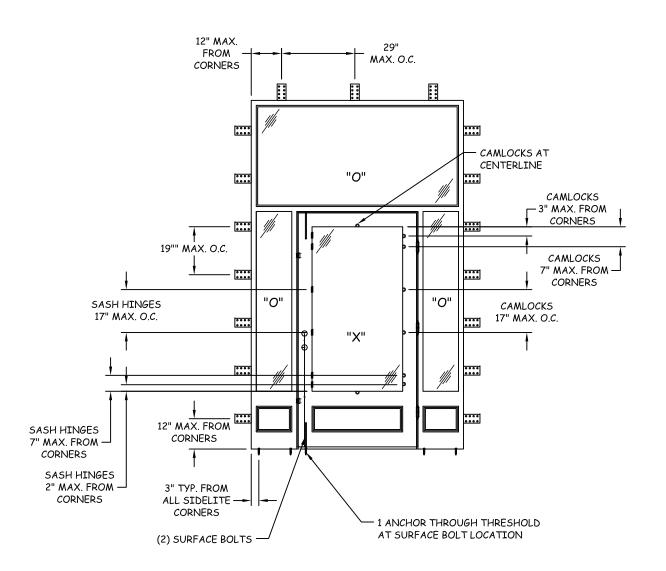




ELEVATION SPECIMEN 4

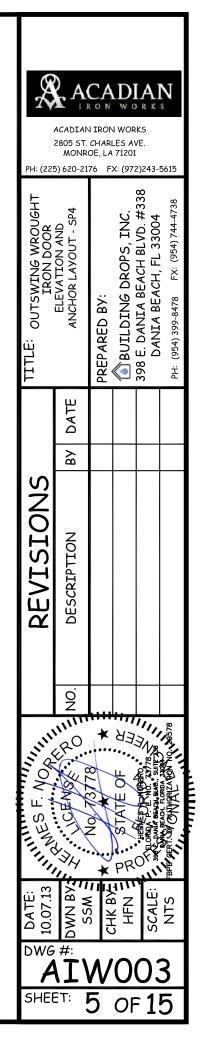
HARDWARE NOTES

- 1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- 2. HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 33.75" MAX. O.C. THEREAFTER.
- CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

- 1. STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4" TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.

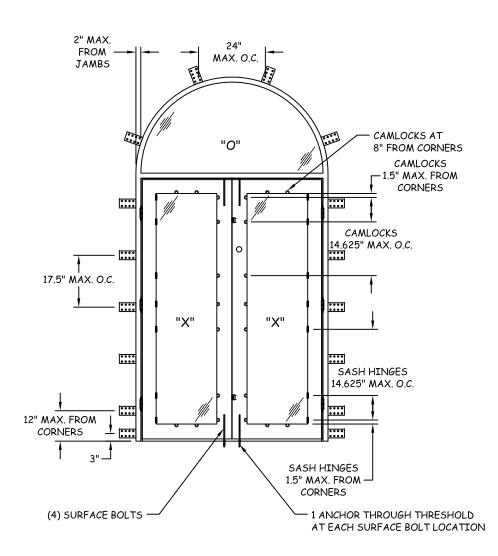


UNIT MAX.

ELEVATION SPECIMEN 5

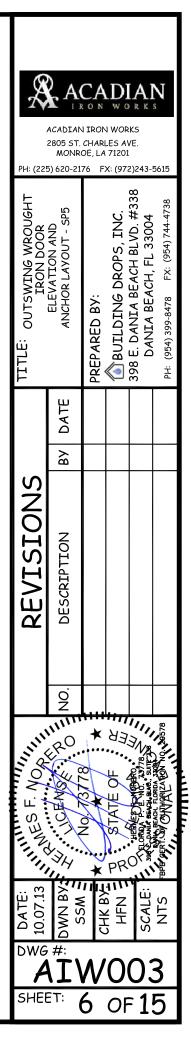
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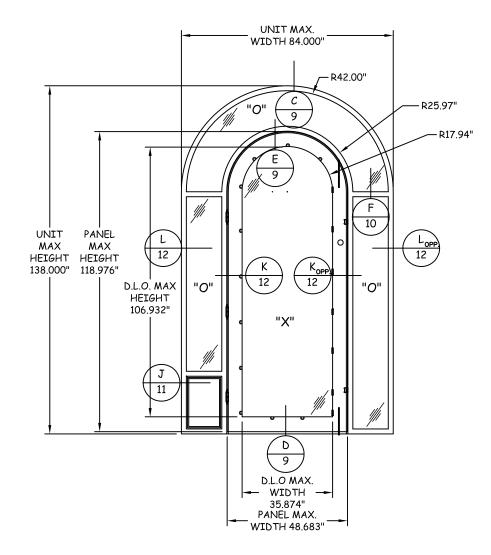
- EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 40.25" MAX. O.C. THEREAFTER.
- CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

- 1. STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4" TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.

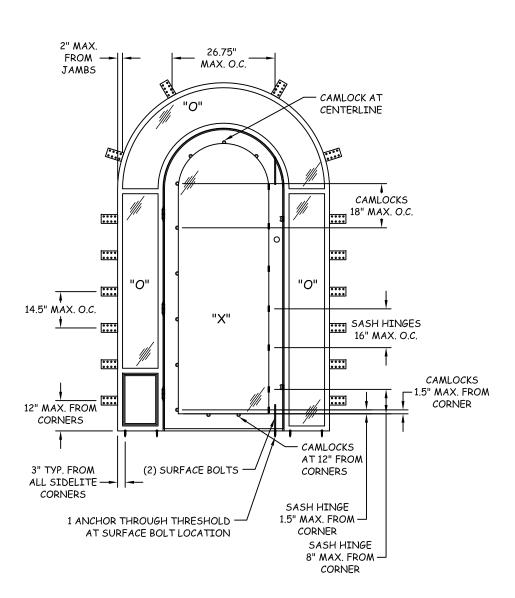




ELEVATION SPECIMEN 6

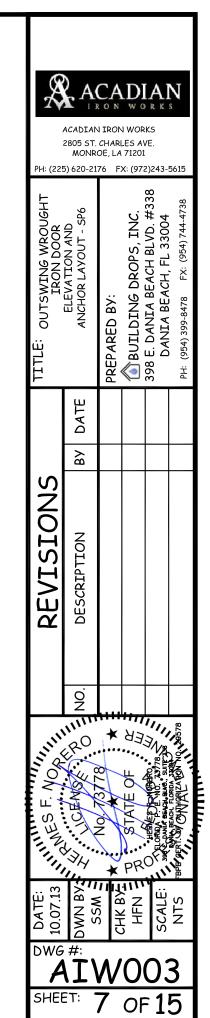
HARDWARE NOTES:

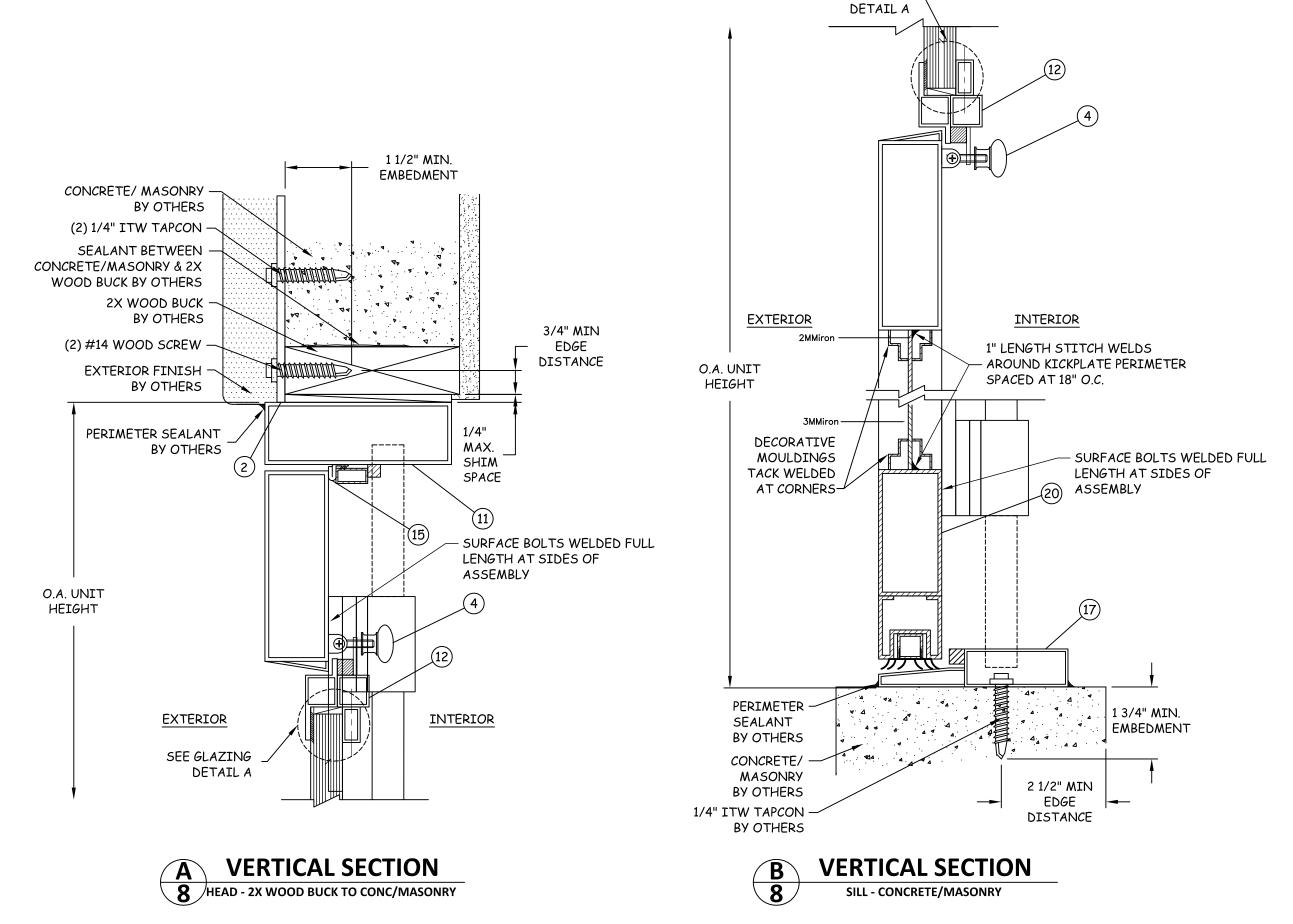
- 1. EACH ACTIVE PANEL SHALL UTILIZE THREE (3) 6" X 1" STEEL BARREL HINGES BY NATURAL CHOICE IRONWARE.
- HINGES ARE TO BE LOCATED AT 14.5" FROM BOTTOM OF DOOR AND 36.50" MAX. O.C. THEREAFTER.
- 3. CAM LOCKS AND SASH HINGES ARE TO BE LOCATED AS SHOWN ON ANCHOR LAYOUT AT RIGHT.



ANCHOR LAYOUT

- 1. STRAP ANCHORS SHALL UTILIZE FOUR (4) #14 WOOD SCREWS, (2) 1/4" TAPCON, OR (4) 1/4" SELF-TAPPING SCREWS TO BE FASTENED TO SUBSTRATE.
- 2. INSTALLATION ANCHORS SHALL UTLIZE 3/8" WASHERS.





SEE GLAZING

ACADIAN

ACADIAN IRON WORKS 2805 ST. CHARLES AVE. MONROE, LA 71201

PH: (225) 620-2176 FX: (972)243-5615

OUTSWING WROUGHT IRON DOOR VERTICAL SECTIONS

PREPARED BY:

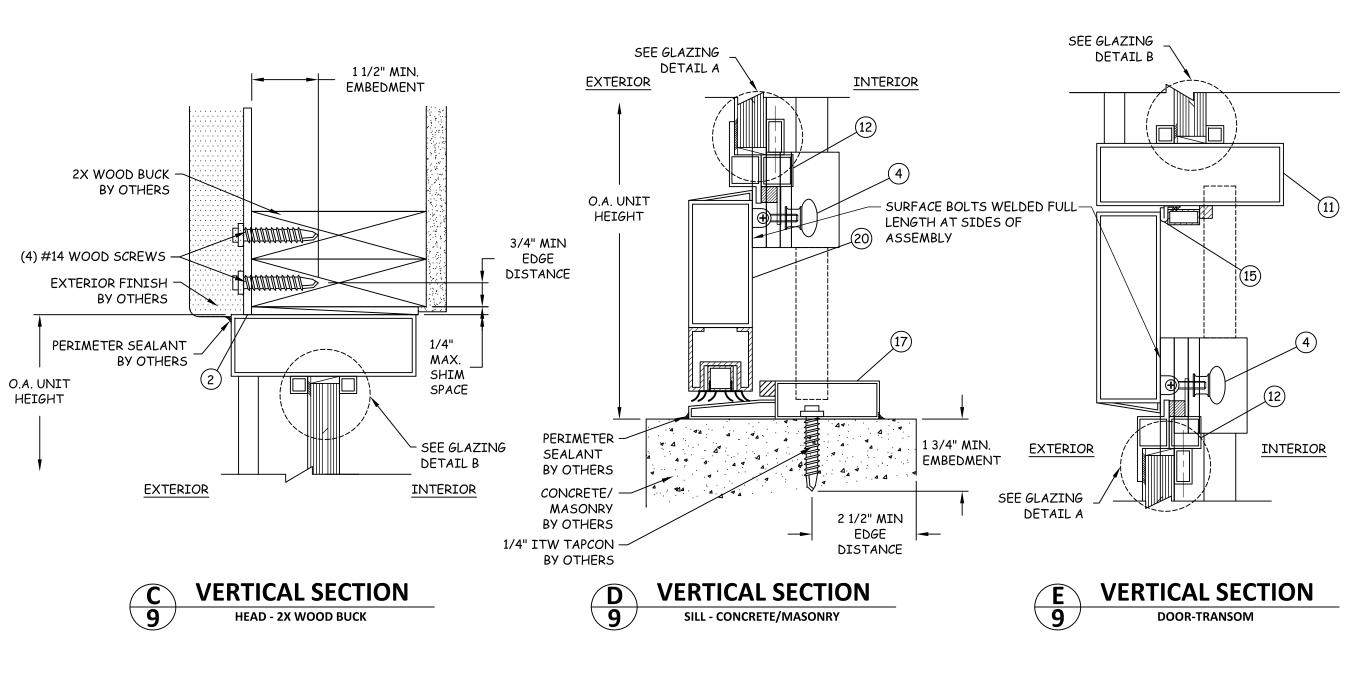
BUILDING DROPS,

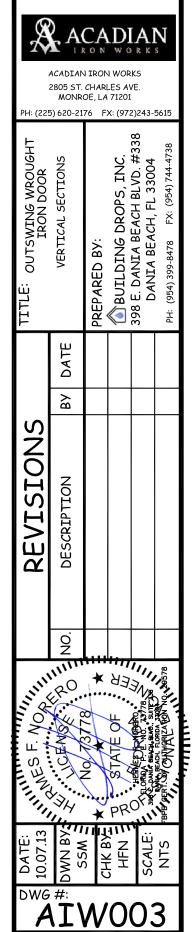
398 E. DANIA BEACH BL

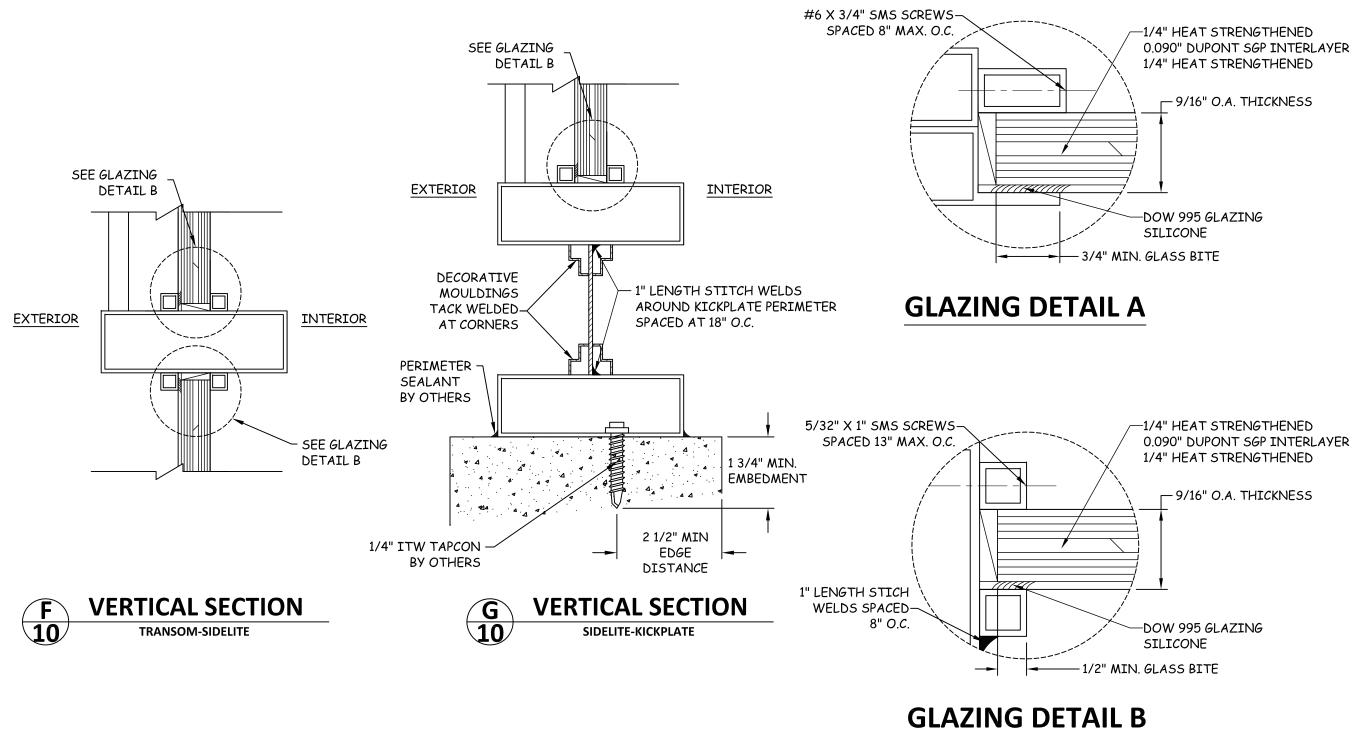
DANIA BEACH, FL

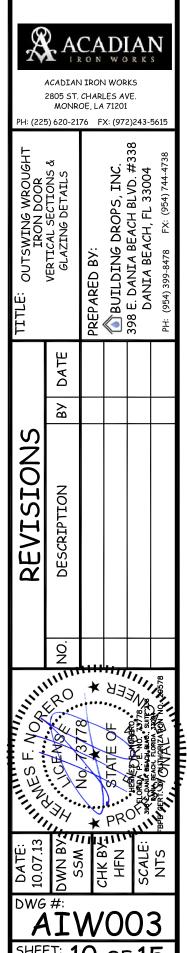
DATE B

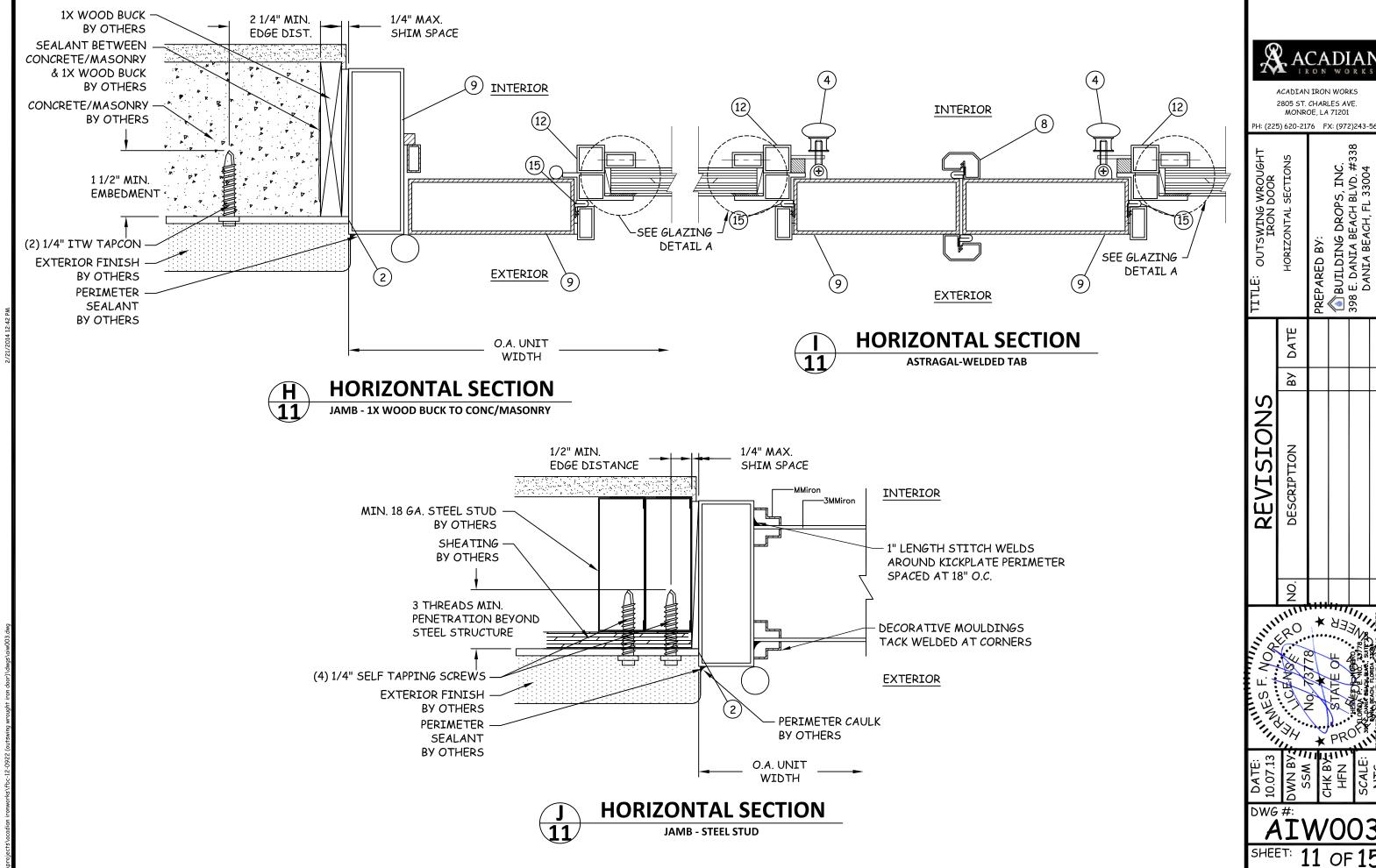
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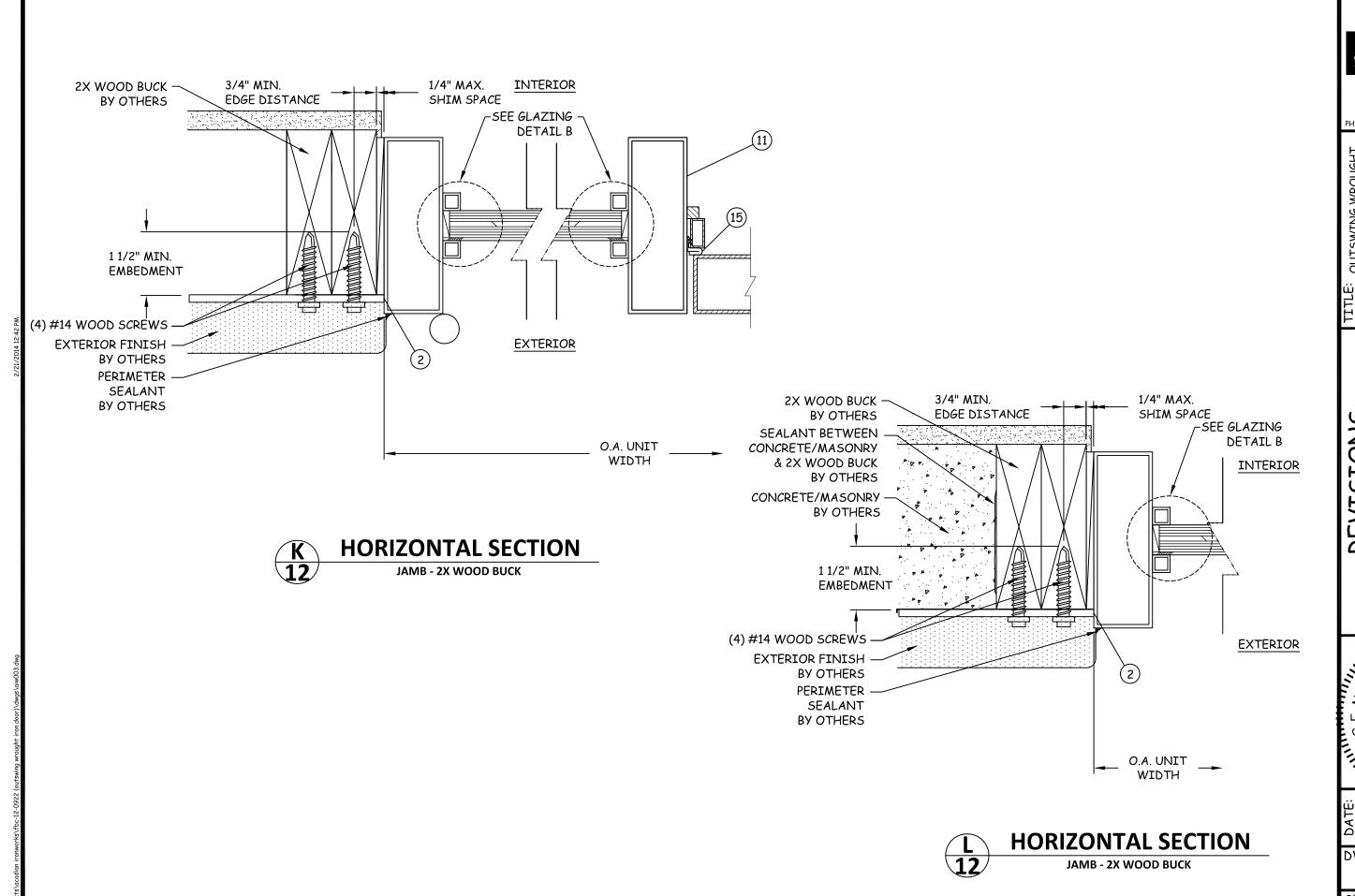








ACADIAN

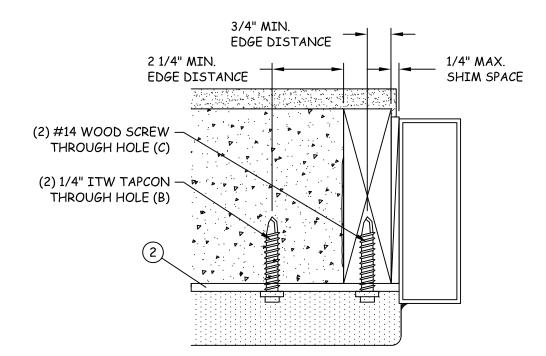


ACADIAN IRON WORKS 2805 ST. CHARLES AVE. MONROE, LA 71201 PH: (225) 620-2176 FX: (972)243-5615 PREPARED BY:

BUILDING DROPS, INC.

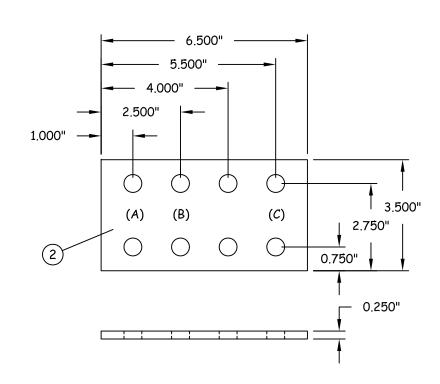
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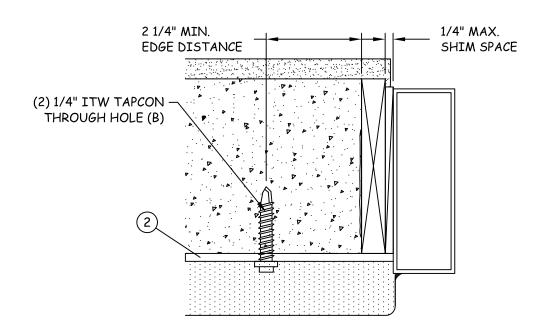
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HORIZONTAL SECTION

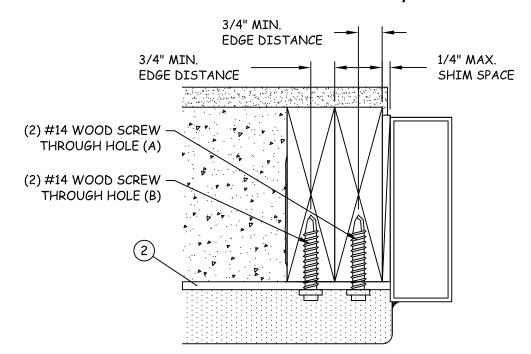
2X WOOD BUCK TO CONCRETE/MASONRY





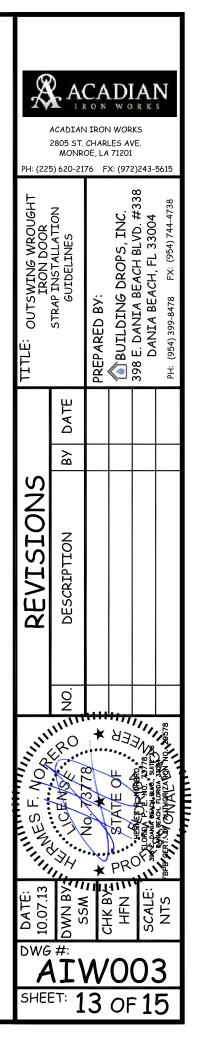
HORIZONTAL SECTION

1X WOOD BUCK TO CONCRETE/MASONRY



HORIZONTAL SECTION

(2) 2X WOOD BUCK

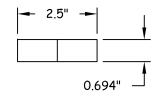


	BILL OF MATERIALS							
ITEM NO.	DES <i>C</i> RIPTION	PART NUMBER	MATERIAL	MANUFACTURER				
1	GLASS PANEL HINGE		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
2	MOUNTING TAB		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
3	DOOR PANEL HINGE		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
4	GLASS PANEL LATCH		STEEL & ZINC ALLOY	NATURAL CHOICES IRONWARE CO., LTD.				
6	ROLLER CATCH		BRASS	HANGZHOU YOKING HARDWARE LIMITED				
8	T-ASTRAGAL		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
9	DOOR STILE W/ WEATHER STRIP ACCEPTER		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
11	DOOR FRAME W/ WEATHER STRIP ACCEPTER		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
12	GLASS PANEL FRAME		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
14	STEEL GLAZING CAP		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
15	WEATHERSTRIP		POLYETHYLENE FOAM	HEIBI JIANAN SEALS TECHNOLOGY CO., LTD.				
16	GLASS PANEL LATCH RING		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
17	THRESHOLD		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
18	SWEEP		RUBBER	USA WORLDWIDE DOOR COMPONENTS (PINGHU) CO., LTD				
19	SURFACE BOLT		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				
20	BOTTOM DOOR STILE W/ SWEEP ACCEPTER		STEEL	NATURAL CHOICES IRONWARE CO., LTD.				

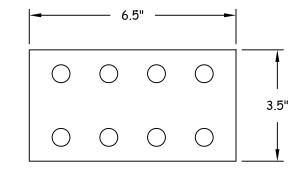
NOTE:

- 1. ALL STEEL COMPONENTS ARE Q235 GRADE STEEL (Fy min = 34.1 KSI, Fty min = 54.4 KSI)
- 2. ALL EXPOSED STEEL COMPONENTS ARE SHOP PRIMED.
- 3. ALL WELDED COMPONENTS ARE SHOP WELDED USING E70XX ELECTRODE

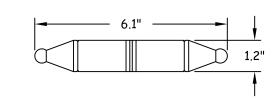


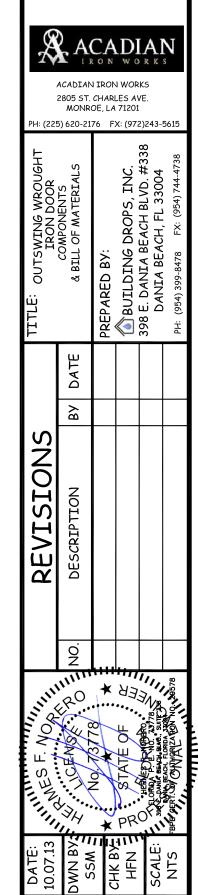


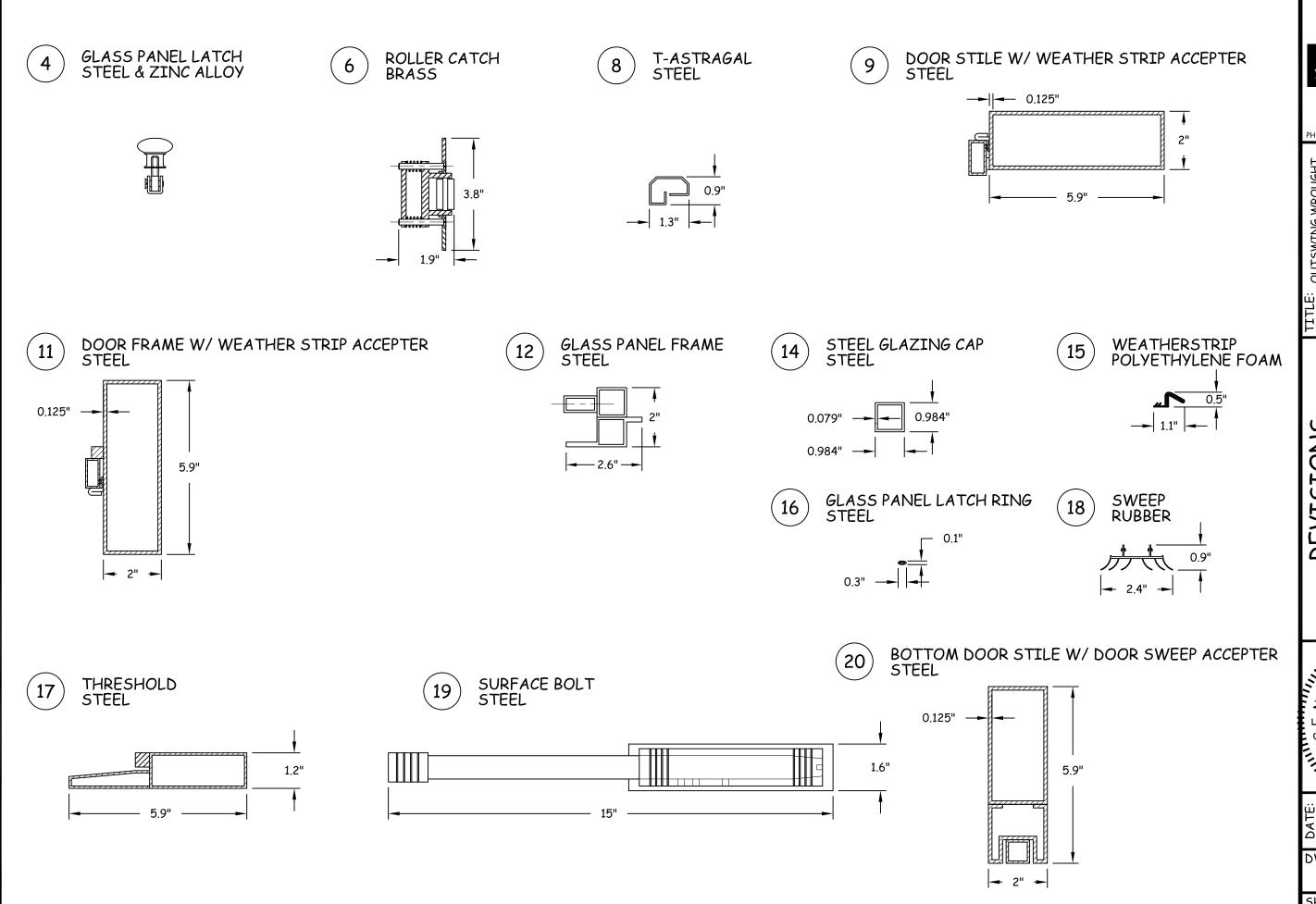




3 DOOR PANEL HINGE STEEL







ACADIAN ACADIAN IRON WORKS 2805 ST. CHARLES AVE. MONROE, LA 71201 OUTSWING WROUGHT IRON DOOR COMPONENTS (CONTINUED) DATE BY REVISION DESCRIPTION