

OUTSWING SOLID PIVOT DOOR

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT 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, STEEL, 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 RER.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: STAINLESS STEEL
7. DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.

DESIGN PRESSURE RATING		
FRAME SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
95 5/8" x 154 15/16"	+70/-70 PSF	LARGE MISSILE IMPACT

NOTE: NOT TESTED FOR WATER INFILTRATION REQUIREMENTS. SHALL BE INSTALLED AT LOCATIONS WHERE DOOR IS PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH / OH HEIGHT IS ≥ 1.0

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	ELEVATION & GENERAL NOTES
2	-	ELEVATION & ANCHOR LAYOUT
3	-	VERTICAL & HORIZONTAL SECTIONS
4	-	INSTALLATION DETAILS & NOTES

Quincy C Brown

Digitally signed by Quincy C Brown
Date: 2026.09.17 01:21:26 -04'00'



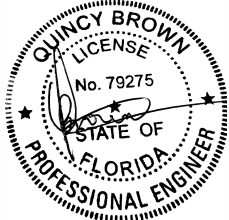
TITLE: OUTSWING SOLID PIVOT DOOR (HVHZ)(IMPACT)

ELEVATION & GENERAL NOTES

Revised by:
Qrown Engineering
CORAL SPRINGS, FL 33076
954-662-8622,
WWW.QROWNENGINEERING.COM

REMARKS	BY	DATE

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



QUINCY BROWN P.E.
FL# : 79275
QROWN DESIGN BUILD
CORAL SPRINGS, FL 33076

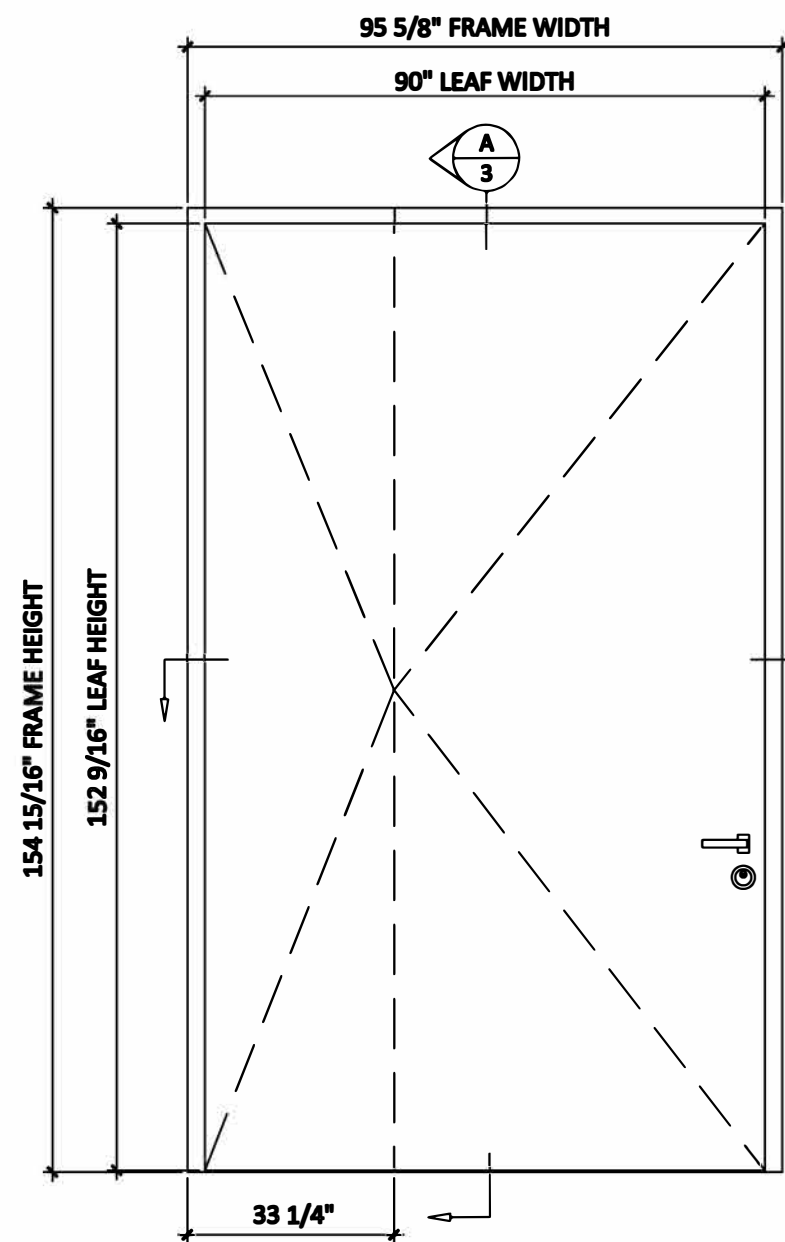
DATE: 09/16/26

REVISED BY: Q.B. CHECKED BY: Q.B.

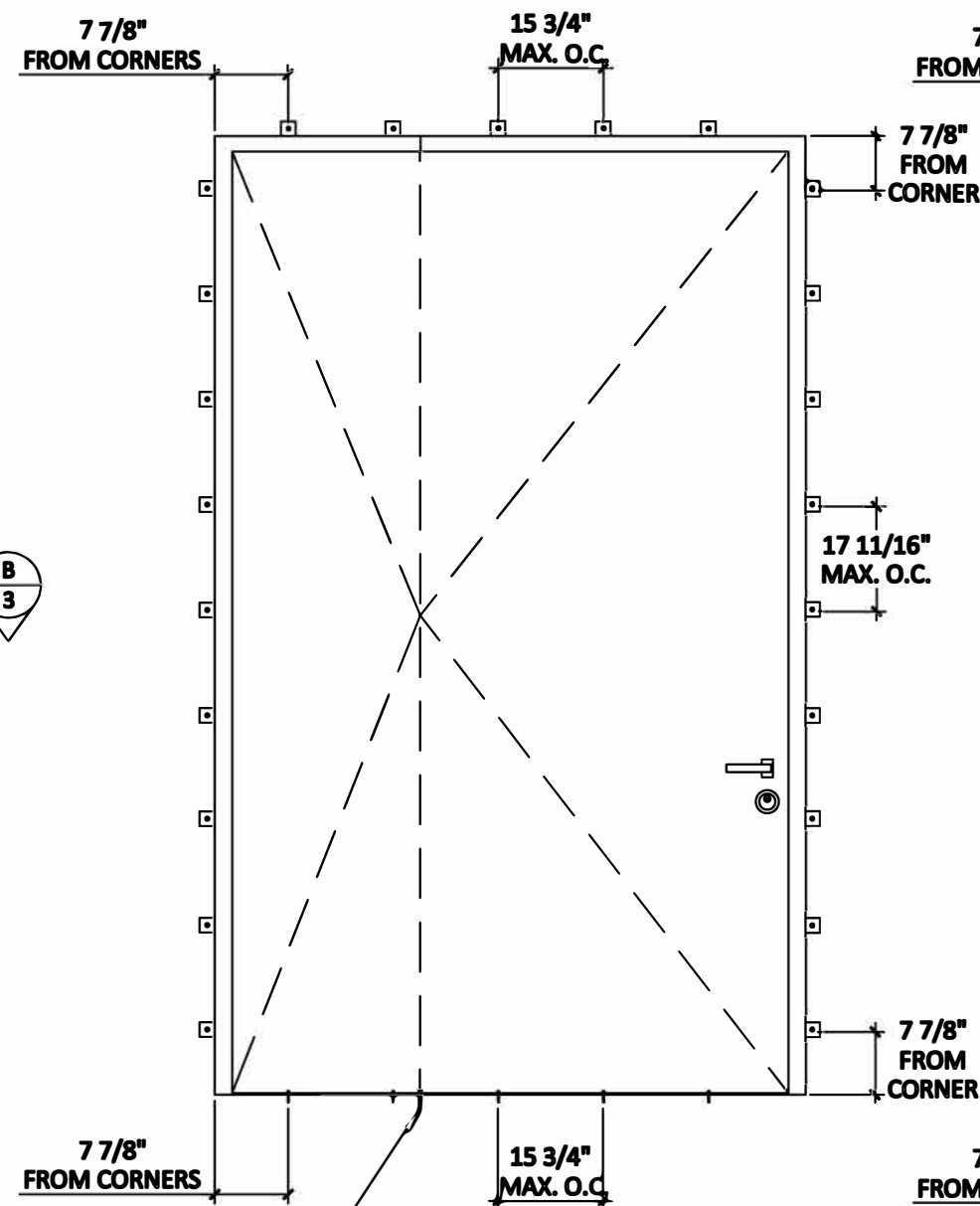
SCALE: NTS

DWG. #: DAV003

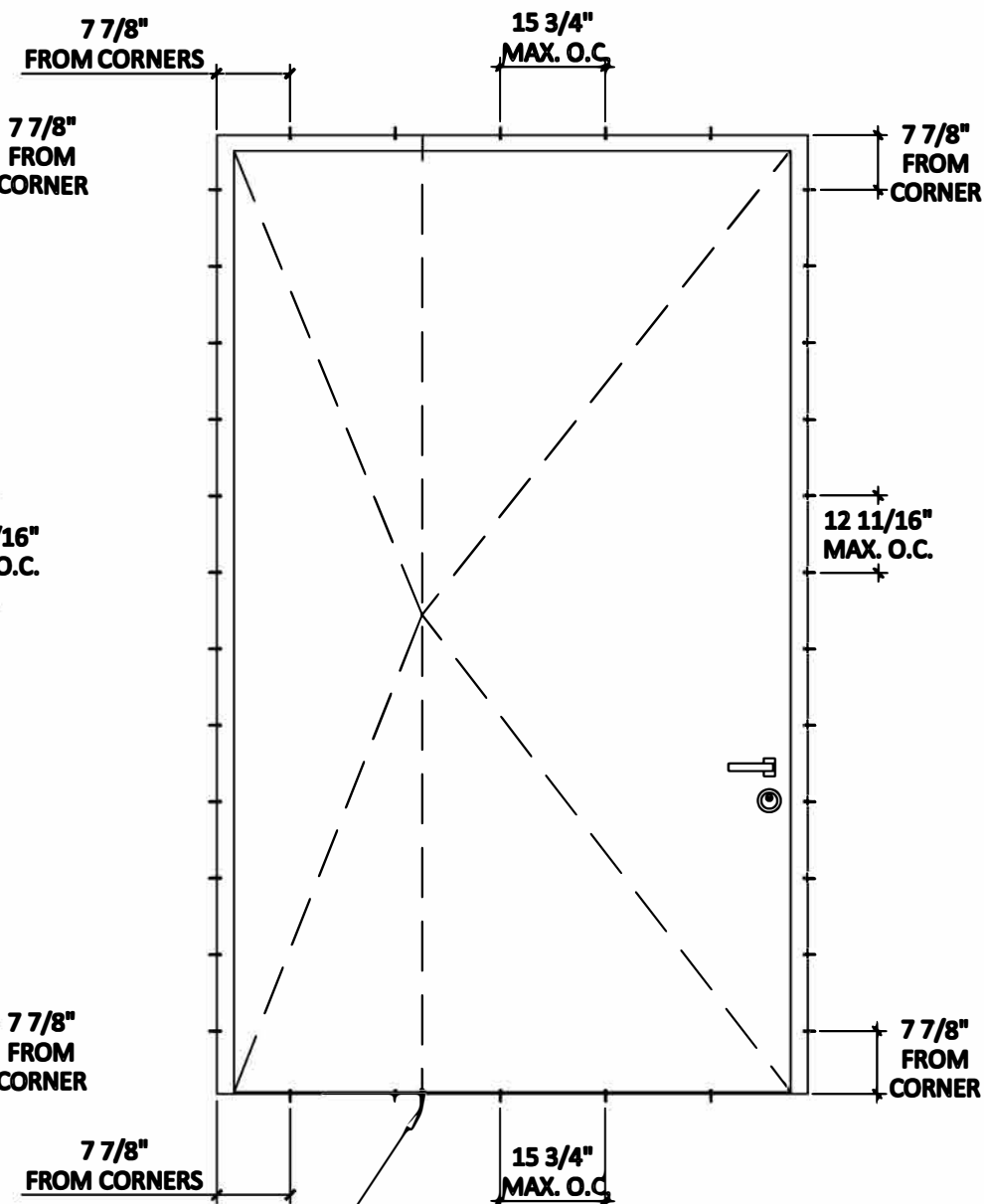
SHEET: 1 OF 4



ELEVATION



ANCHOR LAYOUT
MOUNTING BRACKET



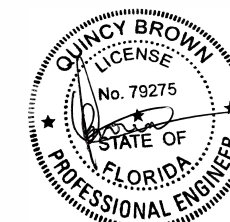
ANCHOR LAYOUT
THROUGH FRAME

TITLE: OUTSWING SOLID PIVOT DOOR
(HVHZ/IMPACT)
ELEVATION & ANCHOR LAYOUTS

Revised by:
Qrown Engineering
CORAL SPRINGS, FL 33076
954-662-8622,
WWW.QROWNENGINEERING.COM

REMARKS	BY	DATE

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



QUINCY BROWN P.E.
FL# : 79275
QROWN DESIGN BUILD
CORAL SPRINGS, FL 33076

DATE: 09/16/26

REVISED BY: Q.B. CHECKED BY: Q.B.

SCALE: NTS

DWG. #: DAV003

SHEET:

2

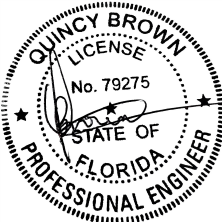
OF 4

TITLE: OUTSWING SOLID PIVOT DOOR
(HVHZ)(IMPACT)
VERTICAL & HORIZONTAL SECTIONS

Revised by:
Qrown Engineering
CORAL SPRINGS, FL 33076
954-662-8622,
WWW.QROWNENGINEERING.COM

REMARKS	BY	DATE

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.

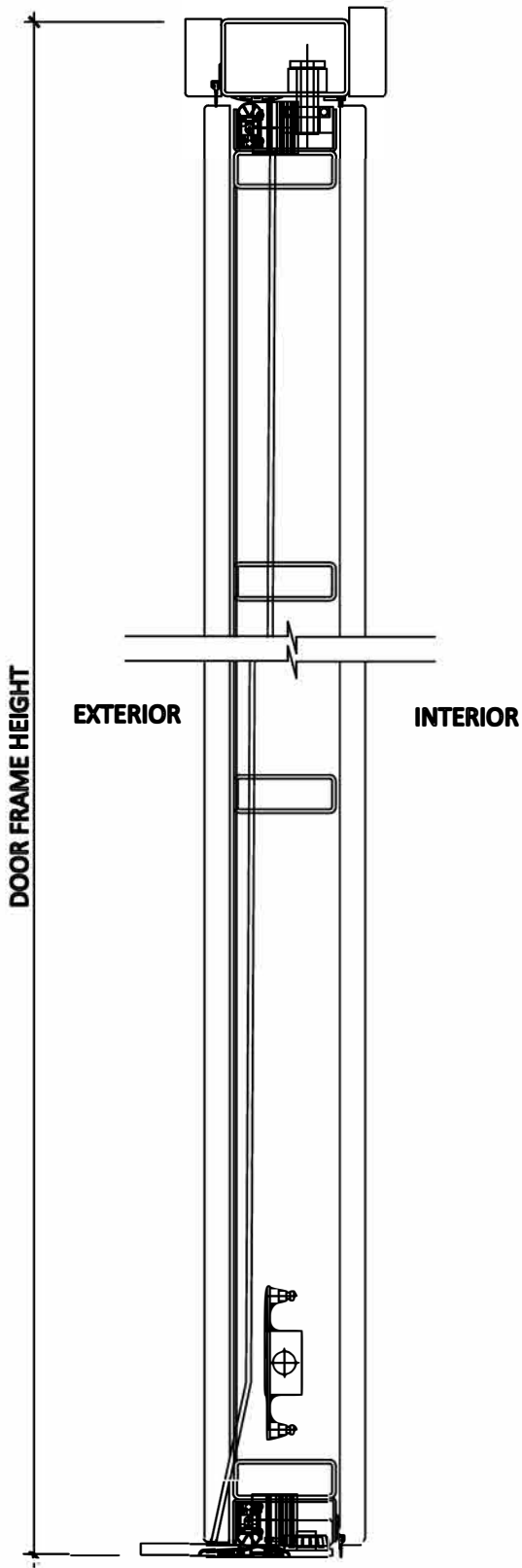


QUINCY BROWN P.E.
FL# : 79275
QROWN DESIGN BUILD
CORAL SPRINGS, FL 33076

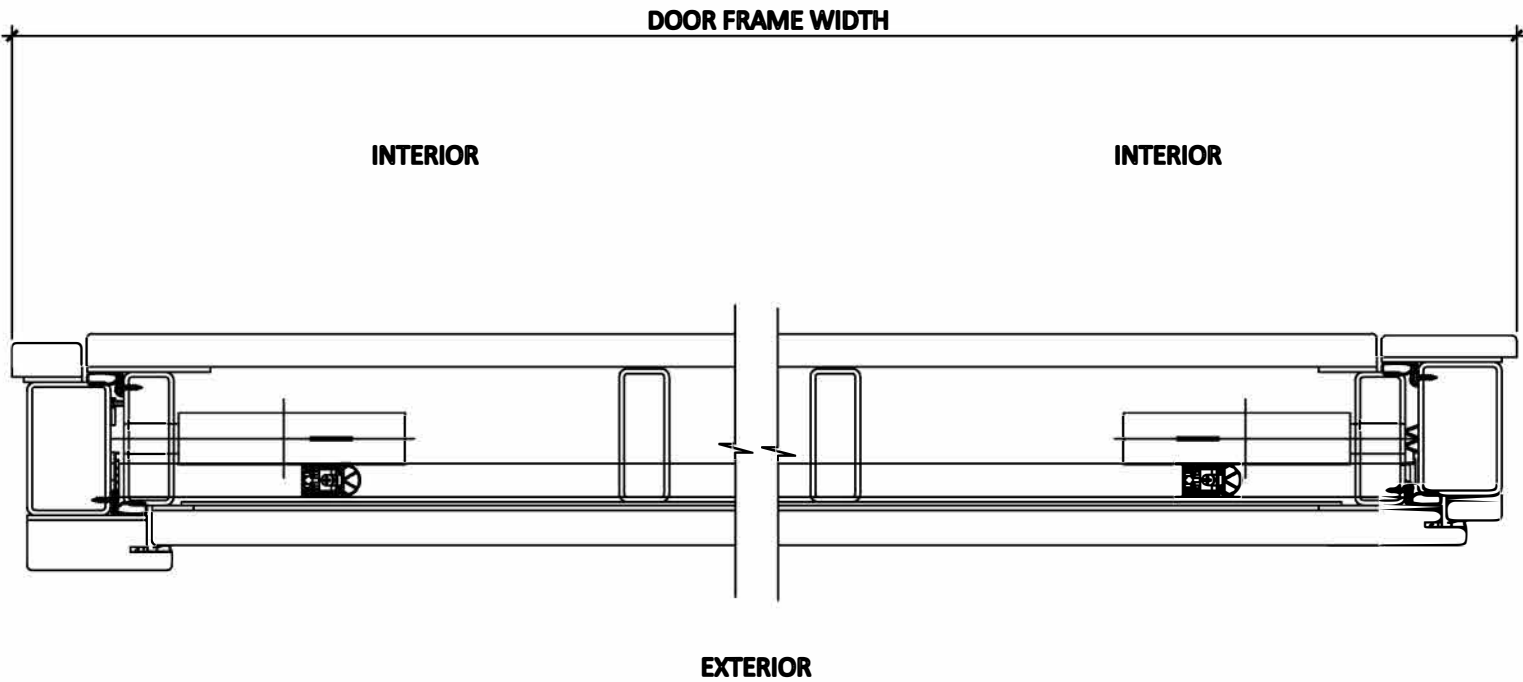
DATE: 09/16/26	
REVISED BY: Q.B.	CHECKED BY: Q.B.
SCALE: NTS	
DWG. #: DAV003	
SHEET:	

3

OF 4



A
3 VERTICAL SECTION
HEAD - THRESHOLD DETAIL PIVOT DOOR

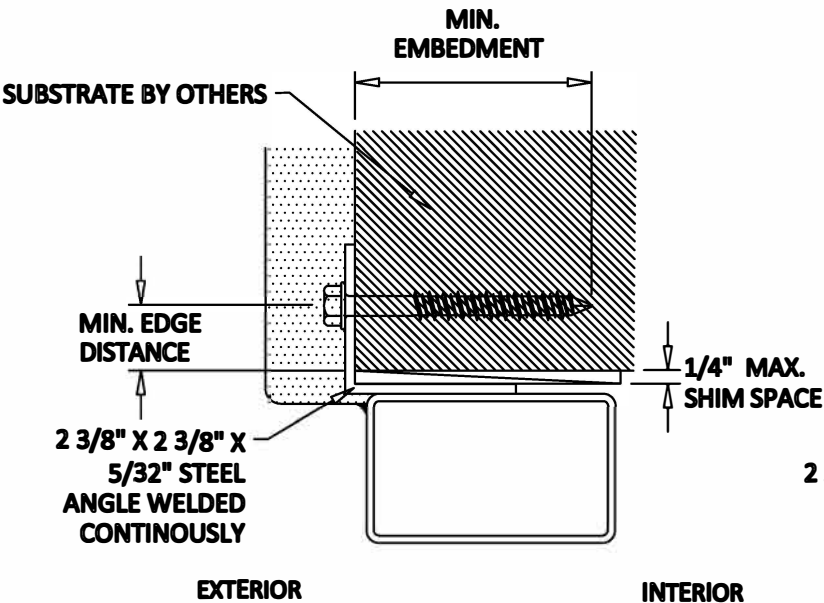


B
3 HORIZONTAL SECTION
JAMB DETAIL PIVOT DOOR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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). MAX. 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH MOUNTING BRACKET	WOOD: MIN. SG = 0.55	5/16" WOOD LAG SCREW	1.5"	0.75"
	METAL: 16 GAUGE Steel, MIN. Fy = 33KSI	5/16" GR. 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
THROUGH FRAME	WOOD: MIN. SG = 0.55	5/16" WOOD LAG SCREW	1.5"	0.75"
	CONCRETE: MIN. FC = 3000 PSI	5/16" HWH ELCO ULTRACON	1.75"	2.5"
	GROUT FILLED MASONRY: CMU per ASTM C90 MIN. 2000 PSI	5/16" HWH ELCO ULTRACON	1.75"	2.5"
	METAL: 16 GAUGE Steel, MIN. Fy = 33KSI	5/16" HWH GR. 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
THROUGH THRESHOLD	CONCRETE: MIN. FC = 3000 PSI	3/16" FH ELCO ULTRACON	1.75"	2.5"
THROUGH BOTTOM PIVOT	CONCRETE: MIN. FC = 3000 PSI	5/16" FH ELCO ULTRACON	2"	3.125"

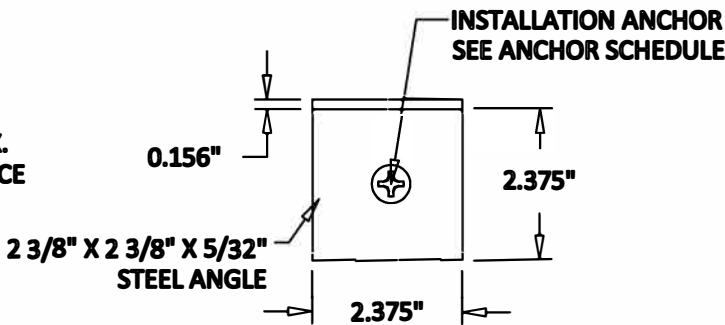


A
4

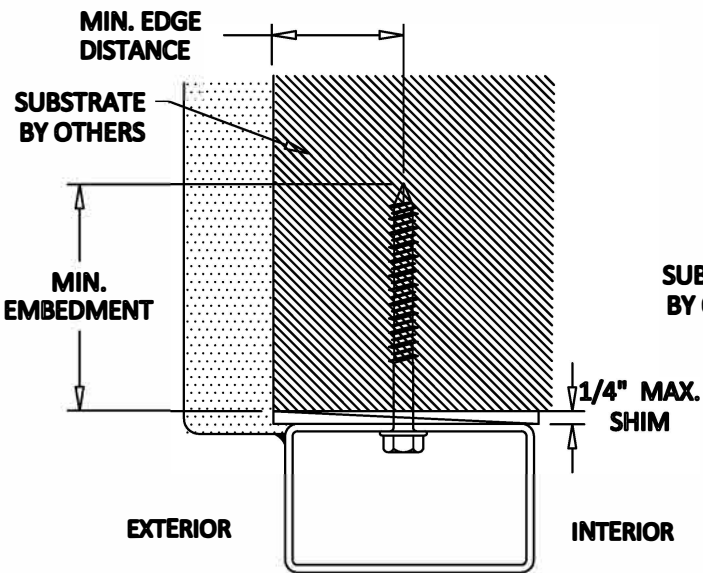
VERTICAL SECTION

HEAD - MOUNTING BRACKET INSTALLATION

NOTE: HEAD DETAIL SHOWN, JAMBS ARE SIMILAR



MOUNTING BRACKET DETAIL

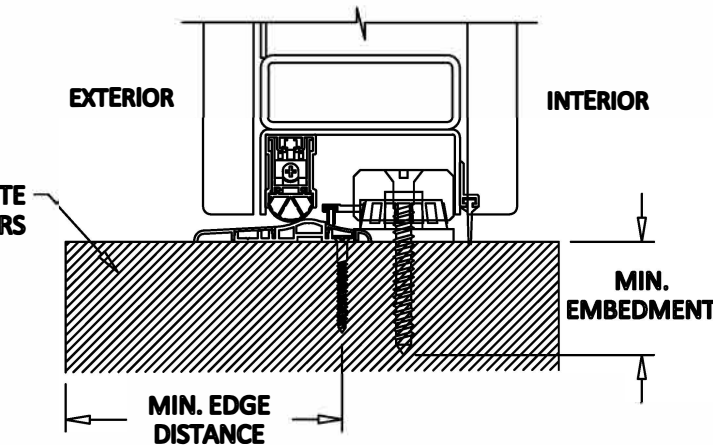


B
4

VERTICAL SECTION

THOUGH FRAME INSTALLATION

NOTE: HEAD DETAIL SHOWN, JAMBS ARE SIMILAR



C
4

VERTICAL SECTION

THRESHOLD INSTALLATION

TITLE: OUTSWING SOLID PIVOT DOOR (HVHZ)(IMPACT)

INSTALLATION DETAILS & NOTES

Revised by:
Qrown Engineering
CORAL SPRINGS, FL 33076
954-662-8622
WWW.QROWNENGINEERING.COM

REMARKS	BY	DATE

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



QUINCY BROWN P.E.
FL# : 79275
QROWN DESIGN BUILD
CORAL SPRINGS, FL 33076

DATE: 09/16/26	
REVISED BY: Q.B.	CHECKED BY: Q.B.
SCALE: NTS	
DWG. #: DAV003	
SHEET:	

4