

ELIXIR DOOR & METALS CO.

NON-IMPACT MODEL AVIF7N IS STEEL DOORS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), BUILDING AND RESIDENTIAL VOLUMES EXCLUDING HIGH VELOCITY HURRICANE ZONE AND THE DESIGN PRESSURE(S) STATED HEREIN.
- 1a. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT CONSTRUCTION CONSULTING LABORATORY REPORT # CCL-19-169 (AVIF7N) AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- 1b. TESTED TO ASTM E330-14.
2. ADEQUACY OF THE EXISTING STRUCTURAL 2X FRAMING OR STEEL 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.
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.
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.

5. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS IS MANDATORY FOR THE PRODUCT HEREIN.
6. FRAME MATERIAL: FINGER JOINTED LVL  
DOOR PANEL MATERIAL: .019" GALVANIZED STEEL SKIN W/ URETHANE FOAM CORE
7. GLASS MEETS THE REQUIREMENTS OF ASTM E130012AE1.
8. DESIGNATIONS "X" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
9. HARDWARE:  
A. 4" x 4" RESIDENTIAL HINGES: NICKEL  
B. LATCH LOCK: KEYED  
C. DEAD BOLT: SINGLE CYLINDER
10. SEE SHEET 2 FOR DESIGN PRESSURE CHART.
11. IF WATER INFILTRATION REQUIREMENT EXISTS, UNIT MUST BE INSTALLED BENEATH AN OVERHANG MEETING THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
2. THE INSTALLATION ANCHORS AT THE SPACINGS SHOWN ARE THE MINIMUM NUMBER OF ANCHORS AND MAXIMUM SPACINGS TO BE USED FOR PRODUCT INSTALLATION.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE OF 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. ANCHORS FOR INSTALLATION INTO WOOD FRAMING OR CONCRETE/MASONRY WITH OR WITHOUT 1X WOOD BUCK SHALL BE AS SHOWN IN "ANCHOR SCHEDULE" THIS SHEET.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
6. 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 IN THE "ANCHOR SCHEDULE" THIS SHEET.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

| ANCHOR SCHEDULE     |                   |           |        |                                                           |                                              |                                                                 |                                                  |
|---------------------|-------------------|-----------|--------|-----------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------|
| SUBSTRATE           | WINDOW FRAME TYPE | TYPE      | SIZE   | MANUFACTURER AND/OR SPECIFRCATION                         | EMBEDMENT (IN) <sup>(2)</sup> <sup>(3)</sup> | EDGE DISTANCE (IN) <sup>(2)</sup> <sup>(3)</sup> <sup>(4)</sup> | ANCHOR CAPACITIES BASED ON                       |
| CONCRETE            | THRU-FRAME        | FLAT HEAD | 3/16"  | ITW TAPCONS <sup>(1)</sup>                                | 1-1/2"                                       | 1-1/8"                                                          | MIN. 2000 PSI CONCRETE                           |
| MASONRY (BLOCK/CMU) | THRU-FRAME        | FLAT HEAD | 3/16"  | ITW TAPCONS <sup>(1)</sup>                                | 1"                                           | 2"                                                              | STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT |
| WOOD                | THRU-FRAME        | FLAT HEAD | NO. 10 | ANSI B18.6.1 (WOOD SCREW)<br>ASME B18.6.4 (TAPPING SCREW) | 1-3/8"                                       | 3/4"                                                            | WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.    |

NOTES:

- 1) ITW (ADVANCED THREADFORM TECHNOLOGY ) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.
- 2) FOR WOOD SCREWS IF SPLITTING IS A CONCERN, DRILL 0.112" PILOT HOLE (DRILL SIZE 34).
- 3) FOR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.121" PILOT HOLE (DRILL SIZE 31).
- 4) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE

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|                          |  |  |  |  |                               |             |
|--------------------------|--|--|--|--|-------------------------------|-------------|
| PROJECT NUMBER: 419-0903 |  |  |  |  |                               |             |
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|                          |  |  |  |  |                               |             |
|                          |  |  |  |  | UPDATE TO CURRENT EDITION FBC | 1/25/21 RJA |
|                          |  |  |  |  | REVISION                      | DATE        |
|                          |  |  |  |  | DESCRIPTION                   | BY          |

ELIXIR DOOR & METALS CO.

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TITLE: MODEL AVIF7N IS STEEL FRENCH DOORS OX OR XO - NON-IMPACT GENERAL AND INSTALLATION NOTES

PREPARED BY: TJH

DATE: 02/29/12

SCALE: N.T.S.

DRAWING NO: ELIX0047

REV: B

SHEET: 1 OF 5

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| DESIGN PRESSURE RATING (PSF)                   |                                                    | IMPACT RATING |
|------------------------------------------------|----------------------------------------------------|---------------|
| WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED | NONE          |
| SEE GENERAL NOTE 11, SHEET 1                   | +38 / -38                                          |               |





