

ELIXIR DOOR & METALS CO.

NON-IMPACT MODEL AFIF7N & BFIF7N IS FIBERGLASS 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-19-200 (AFIF7N) AND CCL-19-201 (BFIF7N) 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.

TABLE OF CONTENT	
SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2 – 3	ELEVATION, ANCHOR LAYOUT AND DESIGN PRESSURE TABLE
4	VERTICAL CROSS SECTIONS
5	VERTICAL CROSS SECTIONS AND GLAZING DETAIL
6 – 7	HORIZONTAL CROSS SECTIONS

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 PINE
DOOR PANEL MATERIAL: .090" FIBERGLASS SKIN W/ URETHANE FOAM CORE

7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

8. DESIGNATIONS "X" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL

9. HARDWARE:
A. 4" x 4" BUTT HINGES
B. LATCH LOCK: KEYED
C. DEAD BOLT: SINGLE CYLINDER

10. SEE SHEETS 2 AND 3 FOR DESIGN PRESSURE CHARTS.

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 SPECIFICATION	EMBEDMENT (IN) ⁽²⁾ ⁽³⁾	EDGE DISTANCE (IN) ⁽²⁾ ⁽³⁾ ⁽⁴⁾	ANCHOR CAPACITIES BASED ON
CONCRETE	THRU-FRAME	FLAT HEAD	3/16"	ITW TAPCONS ⁽¹⁾	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
MASONRY (BLOCK/CMU)	THRU-FRAME	FLAT HEAD	3/16"	ITW TAPCONS ⁽¹⁾	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
WOOD	THRU-FRAME	FLAT HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW) 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).

PROJECT NUMBER: 419-0903

B

REV

1/25/21

DATE

UPDATE TO CURRENT EDITION FBC

DESCRIPTION

ELIXIR DOOR & METALS CO.

1215 POPE DRIVE
DOUGLAS, GA. 31533

TITLE: MODEL AFIF7N AND BFIF7N IS FIBERGLASS FRENCH DOORS OXO & OX OR XO – NON-IMPACT GENERAL AND INSTALLATION NOTES

DRAWN BY: TJH

DATE: 02/29/12

SCALE: N.T.S.

DRAWING NO: ELIX0040

REV: B

SHEET: 1 OF 7



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
FBPE CA, NO 23555

Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
FL P.E. No. 49752

MODEL BFIF7N



EXTERIOR VIEW



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	+38.7 / -38.7	

419-0903

ELIXIR DOOR & METALS CO.
1215 POPE DRIVE
DOUGLAS, GA. 31533

MODEL: MODEL AFIF7N AND BFIF7N IS FIBERGLASS
FRENCH DOORS OXO & OX OR XO - NON-IMPACT
OXO ELEVATION AND ANCHORING LAYOUT

DRAWN BY: TJH
DATE: 02/29/12


PRODUCT DESIGN GROUP, LLC
 PO BOX 520775
 LONGWOOD, FLORIDA 32752
 FRPE C.A. NO. 254935
 Phone: 321.690.1788
 Fax: 321.690.1789
 Email: info@pds.com

PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
FRPE C.A. NO. 25935

Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
FL P.E. No. 49752



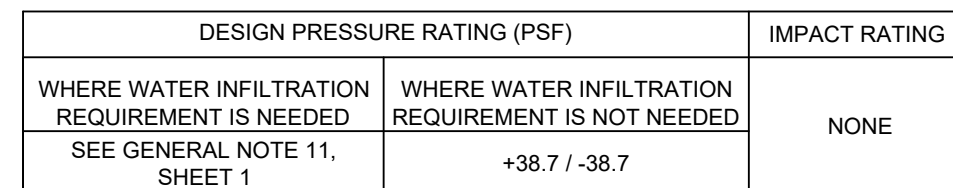
Diagram illustrating the OX Anchor Layout for a window or door frame. The layout shows a rectangular frame with various dimensions and callouts:

- Top dimensions: 6" MAX. (TYP.) on the left, 6" MAX. (TYP.) in the center, 3" MAX. on the right, and 6" MAX. (TYP.) on the far right.
- Left dimensions: 6" MAX. (TYP.) on the left, 21" MAX. O.C. (TYP.) in the center, and 6" MAX. (TYP.) on the right.
- Bottom dimensions: 6" MAX. (TYP.) on the left, 21" MAX. O.C. (TYP.) in the center, and 6" MAX. (TYP.) on the right.
- Callouts:
 - SEE HINGE DETAIL THIS SHEET (pointing to the hinge area)
 - SEE STRIKE DETAIL THIS SHEET (pointing to the strike area)
 - INSTALLATION ANCHOR, SEE ANCHOR SCHEDULE TABLE SHEET 1 (pointing to the anchor area)
 - SILL ANCHOR SPACING IS SAME AS HEAD SPACING (pointing to the sill anchor area)

OX ANCHOR LAYOUT

OX ANCHOR LAYOUT

EXTERIOR VIEW
XO UNIT IS ALSO APPROVED



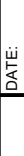
PROJECT NUMBER: 419-0903				
B	UPDATE TO CURRENT EDITION FBC	1/25/21	RJA	
REV	DESCRIPTION	DATE	BY	

ELIXIR DOOR & METALS CO.
1215 POPE DRIVE
DOUGLAS, GA. 31533

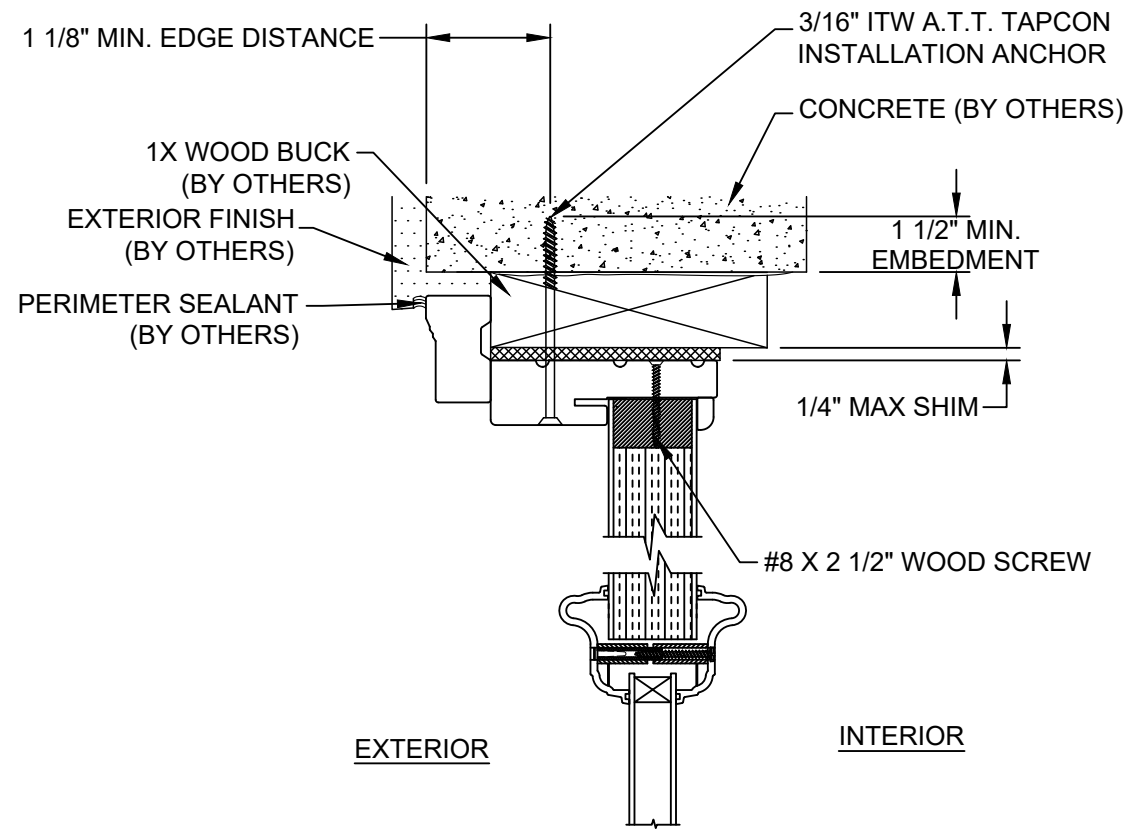
DOUGLAS, GA. 31503

TITLE: MODEL AFIF7N AND BFIF7N IS FIBERGLASS
FRENCH DOORS OXO & OX OR XO - NON-IMPACT
OX OR XO ELEVATION AND ANCHORING LAYOUT

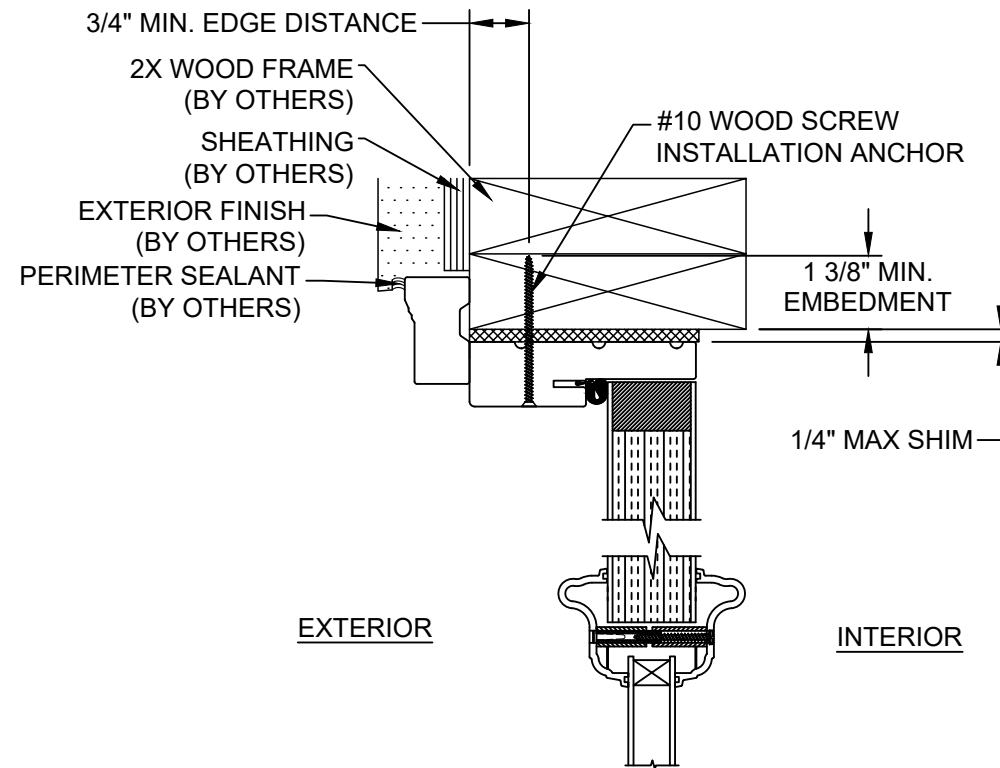
PREPARED BY: _____ DRAWN BY: _____ DATE: _____

REPAIRED BY:				DATE:	02/29/12
OK UK XU ELEVATION AND ANCHORING LATOUI	PDC PRODUCT DESIGN GROUP, LLC PO BOX 5207/75 Phone: 321.690.1788 LONGWOOD, FLORIDA 32752 Fax: 321.690.1789 Email: info@pdc-corp.com			DRAWING NO:	ELIX00040
				REV:	3 OF 7

Robert J. Amoruso, P.E.
FL P.E. No. 49752

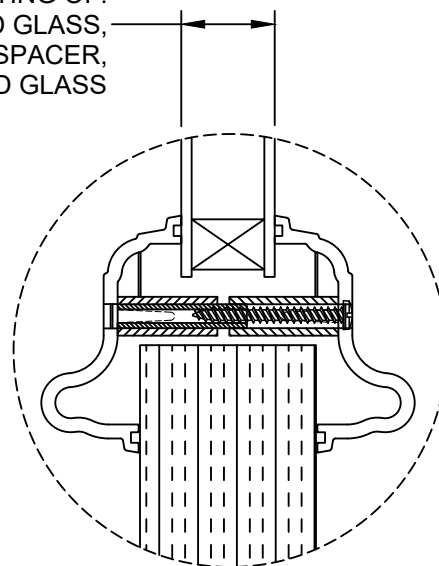


E **VERTICAL SECTION**
CONCRETE SUBSTRATE
SIDELITE PANEL



F **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
DOOR PANEL

1" O.A. INSULATED GLASS
CONSISTING OF:
1/8" TEMPERED GLASS,
3/4" ALUMINUM SPACER,
1/8" TEMPERED GLASS



GLAZING DETAIL

PROJECT NUMBER: 419-0903

ELIXIR DOOR & METALS CO.
1215 POPE DRIVE
DOUGLAS, GA. 31533

TITLE: MODEL AFIF7N AND BFIF7N IS FIBERGLASS
FRENCH DOORS OXO & OX OR XO - NON-IMPACT
VERTICAL CROSS SECTIONS

PREPARED BY:	DRAWN BY:	DATE:	1/25/21	BY
	TJH	02/29/12	RJA	
	SCALE:	DRAWING NO:	1/25/21	DATE
	N.T.S.	ELIX0040	1/25/21	DATE
	REV:	5 OF 7	1/25/21	DATE
	B		1/25/21	DATE

Robert J. Amoruso, P.E.
FL P.E. No. 49752



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

ELIXIR DOOR & METALS CO.

1215 POPE DRIVE
DOUGLAS, GA. 31533

TITLE: MODEL AFIF7N AND BFIF7N IS FIBERGLASS
FRENCH DOORS OXO & OX OR XO – NON-IMPACT
OX OR XO HORIZONTAL CROSS SECTIONS

PREPARED BY:

0
0
0
0
0
0
0

ne: 321.690.1788
x: 321.690.1789

info@ptc-corp.com

DATE: _____

DATE: 02/29/12

DRAWING NO: 02/23/12

ELIX0040

HEET: 7057

DRAWN BY:

DRAWN BY: T.IH

SCALE:

N.T.S.

REV: D

511

6000

Phone: 321.690.1788
Fax: 321.690.1789

Robert J. Amoruso, P.E.
FL P.E. No. 49752