FENEX CORP M.D., INC
OVERSIZED FIXED & FLOOD WINDOW
LARGE & SMALL MISSILE IMPACT RESISTANT
(MISSILE LEVEL D)

GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE
FLOOD RESISTANCE CODE AS MODIFIED BY ANY STATE OR MUNICIPAL ORDINANCES OR LAWS

2. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ), AS QUALIFIED IN
TEST REPORT #177-7404 BY FERMENTATION TESTING LABORATORY, INC.

3. DESIGN Pressures NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A
1.5 SAFETY FACTOR.

4. NO 33-1/3% INCREASE IN ALLOWABLE STRESSES HAS BEEN USED IN THE DESIGN OF THIS
SYSTEM. WIND LOAD REDUCTION FACTOR C-1.1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.

5. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS
DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES
PROPERTY AND ALL OTHER DESIGN ASPECTS WHICH CAN AFFECT THE PERFORMANCE OF THIS
PRODUCT. OTHER ANCHORS SHALL BE APPLIED AS NECESSARY TO TRANSFER LOADS TO THE EXISTING
STRUCTURE.

6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A
SPECIFIC SITE. SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILLED HEREIN. A
LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS
FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

7. ALL CONCRETE ANCHORS SPECIFIED HEREIN REFER TO 1/2" 5/8" 316 STAINLESS STEEL ANCHOR BOLTS
 Each To Be Non-Threaded 1/2" X 5" Min. Non-Corrosive Concrete (By Others) Install All
Concrete Anchors Per Manufacturer’s Recommendations.

8. ALL FASTENERS INTO METAL SUBSTRATES TO BE 1/2" F TYPE MACHINE BOLTS (GRADE 8.8) Unless
OTHER ANCHOR MATERIALS SHALL BE CARBON STEEL OR 304 STAINLESS STEEL. (BY OTHERS)

9. ALL FASTENERS INTO WOOD SUBSTRATES TO BE 1/2" LAG SCREWS. FASTENED TO NO. 3 GUTTER YELLOW PINE (NO. 3 GUTTER YELLOW PINE). (BY OTHERS)

10. ALL EXTRUSIONS SHALL BE 6063 T6 ALUMINIUM.

11. GLAZING ILLUSTRATED HEREIN UTILIZES SIENTHYS GLASS INTERLAYER BY KURAYAMA AMERICA INC.

12. THE CONTRACTOR IS RESPONSIBLE TO ISOLATE ALL MEMBERS FROM DISSEMINATE MATERIALS
TO PREVENT ELECTRICAL SHOCK.

13. ENGINEER DEEMED HEREIN TO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS
SPECIFICATION BY CONTRACTOR, IF IN Erroneous & SAVE HOSSIS. THIS DESIGN WAS

14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS
ARE INTENDED.

15. ALTERNATIONS, ADDITIONS, OR OTHER MODIFICATIONS TO THIS DOCUMENT ARE NOT PERMITTED
AND INVALIDATE THIS CERTIFICATION.

16. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM
CONTAINING THE FOLLOWING:

17. FLOOD TESTING PROGRAM PER TARGET LOADS GIVEN IN

FL#20700.2
NOTE: MINIMUM RADIUS 110°
SEE TYPICAL ANCHORS IN ANCHOR SCHEDULE ON SHEETS 2 & 3

1/8" MIN. THICK 6063-T5 MIN. ALUMINUM OR A-36 MIN. STEEL (BY OTHERS)

SEE TYPICAL ANCHORS IN ANCHOR SCHEDULE ON SHEETS 2 & 3

SEE TYPICAL ANCHORS IN ANCHOR SCHEDULE ON SHEETS 2 & 3

NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLYSIS.

NOTE: ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION

NOTE: ALL GLAZING DETAILS SHOWN ON (SHEET 12) CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS

1 SILL DETAIL
6" = 1'-0"

2 SILL DETAIL
6" = 1'-0"

3 SILL DETAIL
6" = 1'-0"
1 JAMB DETAIL
8 6" = 1'-0"

2 JAMB DETAIL
8 6" = 1'-0"

3 JAMB DETAIL
8 6" = 1'-0"

NOTE: DISSIMILAR METALS MUST BE PROPERLY ISOLATED TO PREVENT ELECTROLYSIS.

NOTE: ALL WATERPROOFING REQUIREMENTS ARE NOT INCLUDED IN THIS CERTIFICATION.

NOTE: ALL GLAZING DETAILS SHOWN ON SHEET 12 CAN BE APPLIED TO ALL WINDOW CONFIGURATIONS.
1. **Joint Frame Detail**

6" = 1'-0"

2. **Jamb Detail**

6" = 1'-0"

**NOTE:** Dismantling metals must be properly isolated to prevent electrolysis.

**NOTE:** All waterproothing requirements are not included in this certification.

**NOTE:** All glazing details shown on (sheet 12) can be applied to all window configurations.
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**NOTE:**
- System is rated to 18 psi water resistance for ASTM E307-00.
- Windows may be installed together at an even number of bays provided each window size does not exceed the sizes on chart.
- Glass complies with ASTM E1200-02.

**Diagram Notes:**
- D.O.W. Width = W - 5 1/2".
- D.O.W. Height = H - 5 1/2".
- DO.L.O. Width using frame 18" x Width - 5 1/2".
- DO.L.O. Height using frame 18" + Height - 5 1/2".

**Legend:**
- 1/2" H.S. Glass
- 0.090" Sentryglas by Kuraray America, Inc.
- 1/2" H.S. Glass
- 0.060" Sentryglas by Kuraray America, Inc.
- 1/2" H.S. Glass

**Construction Details:**
- G1, G2, G3, G4, G5, G6 GLAZING DETAIL
- PROGLAZE II SILICONE
- 1/4" x 3/8" GLAZING TAPE
- 1 1/4" SPACER
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D.L.O. WIDTH = W - 5 1/2"  
D.L.O. HEIGHT = H - 5 1/2"  

NOTE: SYSTEM IS RATED TO 18 PSF WATER RESISTANCE PER ASTM E330-00.  
NOTE: GLASS COMPLIES WITH ASTM E1300-00.  
NOTE: WINDOWS MAY BE INSTALLED TOGETHER AN INFINITE NUMBER OF BAYS PROVIDED EACH WINDOW SIZE DOES NOT EXCEED SIZES ON CHART.  
NOTE: D.L.O. WIDTH USING FRAME 1B = WIDTH - 5 1/2"  
NOTE: D.L.O. HEIGHT USING FRAME 1B = HEIGHT - 5 1/2"  

POSSIBLE ARCHITECTURAL SHAPES:  
NO SHAPE MAY EXCEED SIZE OF TESTED RECTANGLE TRANSCIBED AROUND SHAPE.  
ANY OTHER SHAPE NOT SHOWN HEREIN MAY BE INCLUDED AS LONG AS IT DOES NOT EXCEED SIZE OF TESTED RECTANGLE TRANSCIBED AROUND SHAPE.
TYP. CORNER ASSEMBLY

ALT. CORNER ASSEMBLY

WELD SECTION "A"

WELD SECTION "B"

FIXED WINDOW ASSEMBLY (TYP.)

TYP. CORNER WELDING DETAILS
FIXED WINDOW ASSEMBLY (TYP.)

TYP. CORNER ASSEMBLY

ALT. CORNER ASSEMBLY

6"x 2 3/4"x 3/8" ALUMINUM ANGLE (6061-T6)

1/8" 3"

1/8" 3"

1/8" 3"

WELD SECTION "A"

WELD SECTION "B"

TYP. CORNER WELDING DETAILS
FIXED WINDOW ASSEMBLY (TYP.)

WELD SECTION "A"

WELD SECTION "B"

TYP. CORNER ASSEMBLY

ALT. CORNER ASSEMBLY

6" x 2 3/8" x 3/8" STEEL ANGLE (316 STAINLESS STEEL)

1/8" 3"

3/8"

3/8" 3/8"

EXTERIOR WELD

1/4"

6" x 2 3/8" x 3/8" STEEL ANGLE (316 STAINLESS STEEL)

1/8"

1/8"

1/4"

INTERIOR WELD

1/8" 3"
TYP. CORNER ASSEMBLY

ALT. CORNER ASSEMBLY

WELD SECTION "A"

6" x 2 3/4" x 3/8" ALUMINUM ANGLE (6061-T6)

3/8"

3/8"

1/8"

3"

WELD SECTION "B"

6" x 2 3/4" x 3/8" ALUMINUM ANGLE (6061-T6)

1/4"

1/8"

1/8"
NOTE: EXTRUSION 18 JUST FOR PUNCH OPENINGS, AND SHALL BE PLACED AROUND ALL THE PERIMETER OF THE OPENING

FIXED WINDOW ASSEMBLY (TYP.)

1/4" H.S. GLASS
0.090" SENTRYGLASS BY KURARAY AMERICA, INC
1/4" H.S. SILICONE

PROGLAZE II SILICONE
G7 GLAZING DETAIL

1/4" H.S. GLASS
0.090" SENTRYGLASS BY KURARAY AMERICA, INC
1/4" H.S. GLASS

PROGLAZE II SILICONE
G8 GLAZING DETAIL

1/4" H.S. GLASS
0.090" SENTRYGLASS BY KURARAY AMERICA, INC
1/4" H.S. GLASS

PROGLAZE II SILICONE
G9 GLAZING DETAIL

TYP. CORNER ASSEMBLY

TYP. GLAZING DETAILS FOR MECHANICALLY ASSEMBLED FRAME
NOTE: EXTRUSION B18 JUST FOR PUNCH OPENINGS, AND SHALL BE PLACED AROUND ALL THE PERIMETER OF THE OPENING

FIXED WINDOW ASSEMBLY (TYP.)
NOTE: EXTRUSION 1B JUST FOR PUNCH OPENINGS, AND SHALL BE PLACED AROUND ALL THE PERIMETER OF THE OPENING