

NOTES: 1) THE PRODUCT SHOWN HERE IN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE. 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 3) RESPONSIBILITY OF SELECTING FENESTRATION PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS REST SOLELY WITH THE ARCHITECT, ENGINEER OF RECORD, BUILDING OWNER OR CONTRACTOR. 4) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS. 5) UNITS MUST BE GLAZED PER ASTM E 1300. 6) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS. 7) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK, USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS. 8) FOR ANCHORING INTO MASONRY/CONCRETE AT USE 3/16" ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS. 10) ALL FASTENERS TO BE CORROSION RESISTANT. 11) 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 BELOW: A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER). 12) FRAME MATERIAL TO BE ALUMINUM 6063-T5 .055 THICK 13) APPROVED CONFIGURATIONS: ORIEL AND EQUAL UNITS. 14) MAXIMUM D.L.O. 49 1/4"x51" 15) IF EXACT WINDOW SIZE IS NOT GIVEN USE ANCHOR QUANTITY FOR NEXT LARGER SIZE.

740/3740 SINGLE HUNG FLANGE FRAME EXTERIOR VIEW

DESIGN PRESSURE RATING IMPACT RATING ±35PSF NONE FOR UNITS UP TO 62"x72"

DESIGN PRESSURE RATING IMPACT RATING ±45PSF NONE FOR UNITS UP TO 48"x72"

DESIGN PRESSURE RATING IMPACT RATING +45.0PSF -50.0 PSF NONE FOR UNITS UP TO 36"x78"

DESIGN PRESSURE RATING IMPACT RATING ±40PSF NONE FOR UNITS UP TO 48"x6"

MI WINDOWS AND DOORS 4314 ROUTE 209 ELIZABETHVILLE, PA 17023 740/3740 ALUMINUM SINGLE HUNG WINDOW FLANGE FRAME NON-IMPACT ELEVATION AND NOTES

TABLE OF CONTENTS SHEET NO. 1 ELEVATION AND GENERAL NOTES 2 INSTALLATION DETAILS

2 5/8" MIN. EDGE DIST. MASONRY/CONCRETE BY OTHERS 1 1/4" MIN. EMBEDMENT 1/4" MAX. SHIM 3/16" TAPCON CAULK BETWEEN FLANGE AND BUCK PERIMETER CAULK BY OTHERS MASONRY/CONCRETE OR PRECAST SILL BY OTHERS

EXTERIOR INTERIOR

VERTICAL CROSS SECTION MASONRY/CONCRETE INSTALLATION

2X BUCK OR WOOD FRAMING BY OTHERS TO BE PROPERLY SECURED CAULK BETWEEN FLANGE AND BUCK 1 3/8" MIN. EMBEDMENT 1/4" MAX. SHIM #10 WOOD SCREW PERIMETER CAULK BY OTHERS 2X BUCK OR WOOD FRAMING BY OTHERS TO BE PROPERLY SECURED

EXTERIOR INTERIOR

VERTICAL CROSS SECTION 2X BUCK OR WOOD FRAMING INSTALLATION

1/4" MAX. SHIM 1 1/4" MIN. EMBEDMENT 2 5/8" MIN. EDGE DISTANCE 3/16" TAPCON 1X BUCK TO BE PROPERLY SECURED MASONRY/CONCRETE BY OTHERS

JAMB CROSS SECTION MASONRY/CONCRETE INSTALLATION

1/4" MAX. SHIM 1 3/8" MINIMUM EMBEDMENT 2X BUCK OR WOOD FRAMING BY OTHERS TO BE PROPERLY SECURED #10 WOOD SCREW

JAMB CROSS SECTION 2X BUCK OR WOOD FRAMING INSTALLATION

MI WINDOWS AND DOORS 4314 ROUTE 209 ELIZABETHVILLE, PA 17023 740/3740 ALUMINUM SINGLE HUNG WINDOW FLANGE FRAME NON-IMPACT INSTALLATION DETAILS

TABLE OF CONTENTS SHEET NO. 1 ELEVATION AND GENERAL NOTES 2 INSTALLATION DETAILS

73" MAX. FRAME WIDTH 34 5/8" MAX. D.L.O. WIDTH 62" MAX. HEIGHT 58 5/8" MAX. D.L.O. HEIGHT

FOR REQUIRED NUMBER OF ANCHORS SEE CHARTS BELOW

SERIES 188 ALUMINUM HORIZONTAL SLIDING WINDOW EXTERIOR VIEW

Number of anchor locations at ±45.0psf design pressure Single Panel and Total Unit Width (in)

Number of anchor locations at ±55.0psf design pressure Single Panel and Total Unit Width (in)

TABLE OF CONTENTS SHEET NO. 1 ELEVATION, ANCHORING LAYOUT AND NOTES 2 - 4 INSTALLATION DETAILS

MI WINDOWS AND DOORS 650 WEST MARKET STREET GRANTZ, PA 17030-0370 SERIES 188 ALUMINUM HORIZONTAL SLIDING WINDOW NON-IMPACT ELEVATION, ANCHORING LAYOUT AND NOTES

TABLE OF CONTENTS SHEET NO. 1 ELEVATION, ANCHORING LAYOUT AND NOTES 2 - 4 INSTALLATION DETAILS

2 5/8" MIN. EDGE DIST. MASONRY/CONCRETE BY OTHERS 1 1/4" MIN. EMBEDMENT 1/4" MAX. SHIM 3/16" ITW TAPCON FLANGE TO BE COVERED WITH APPROVED SEALANT SILL TO BE SET IN BED OF APPROVED SEALANT 1/4" MAX. SHIM 1 1/4" MIN. EMBEDMENT 2 5/8" MIN. EDGE DIST. OPTIONAL 1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED. SEE NOTE 3 SHEET 1

EXTERIOR INTERIOR

HORIZONTAL CROSS SECTION MASONRY/CONCRETE INSTALLATION

FLANGE TO BE COVERED WITH APPROVED SEALANT 1/4" MAX. SHIM 3/16" ITW TAPCON 1 1/4" MIN. EMBEDMENT 2 5/8" MIN. EDGE DIST. OPTIONAL 1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED. SEE NOTE 3 SHEET 1

EXTERIOR INTERIOR

HORIZONTAL CROSS SECTION MASONRY/CONCRETE INSTALLATION

MI WINDOWS AND DOORS 650 WEST MARKET STREET GRANTZ, PA 17030-0370 SERIES 188 ALUMINUM HORIZONTAL SLIDING WINDOW NON-IMPACT ELEVATION, ANCHORING LAYOUT AND NOTES

TABLE OF CONTENTS SHEET NO. 1 ELEVATION, ANCHORING LAYOUT AND NOTES 2 - 4 INSTALLATION DETAILS

16GA. (.060" MIN.) STEEL FRAMING BY OTHERS FLANGE TO BE COVERED WITH APPROVED SEALANT 1/4" MAX. SHIM 3-THREADS MIN. BEYOND SUBSTRATE MIN. EMBEDMENT #10 SELF TAPPING SCREW SILL TO BE SET IN BED OF APPROVED SEALANT 1/4" MAX. SHIM 16GA. (.060" MIN.) STEEL FRAMING BY OTHERS

EXTERIOR INTERIOR

VERTICAL CROSS SECTION STEEL FRAMING INSTALLATION

FLANGE TO BE COVERED WITH APPROVED SEALANT 1/4" MAX. SHIM 3-THREADS MIN. BEYOND SUBSTRATE MIN. EMBEDMENT #10 SELF TAPPING SCREW 16GA. (.060" MIN.) STEEL FRAMING BY OTHERS

EXTERIOR INTERIOR

VERTICAL CROSS SECTION STEEL FRAMING INSTALLATION

MI WINDOWS AND DOORS 650 WEST MARKET STREET GRANTZ, PA 17030-0370 SERIES 188 ALUMINUM HORIZONTAL SLIDING WINDOW NON-IMPACT ELEVATION, ANCHORING LAYOUT AND NOTES

TABLE OF CONTENTS SHEET NO. 1 ELEVATION, ANCHORING LAYOUT AND NOTES 2 - 4 INSTALLATION DETAILS