

CONCRETE OR MASONRY OPENING BY OTHERS

INSTALLATION ANCHOR #8 SCREW (TYP. WHERE TAPCONS ARE NOT REQ'D.)

INSTALLATION ANCHOR 3/16" DIA. TAPCON

SHIM AS REQ'D (SEE NOTES)

CAULK BETWEEN WOOD BUCK & MASONRY OPENING BY OTHERS

ONE BY WOOD BUCK BY OTHERS

SHIM AS REQ'D (SEE NOTES)

1-1/4" MIN. EMBEDMENT

1/4" MAX. SHIM SPACE

STUCCO BY OTHERS

PERIMETER CAULK BY OTHERS

GLAZING (SEE NOTES)

DOOR FRAME HEAD

DOOR HEIGHT

DOOR WIDTH

1/4" MAX. SHIM SPACE

SECTION B-B

CAULK BETWEEN WOOD BUCK & MASONRY OPENING BY OTHERS

ONE BY WOOD BUCK BY OTHERS

CONCRETE OR MASONRY OPENING BY OTHERS

SHIM AS REQ'D (SEE NOTES)

INSTALLATION ANCHOR 3/16" DIA. TAPCON

CAULK BETWEEN WOOD BUCK & MASONRY OPENING BY OTHERS

STUCCO BY OTHERS

1-1/4" MIN. EMBEDMENT

SLIDING GLASS DOOR HOOK STRIP

GLAZING (SEE NOTES)

SLIDING GLASS DOOR INTERLOCK

CAULK BETWEEN WOOD BUCK & SLIDING GLASS DOOR HOOK STRIP

INSTALLATION ANCHOR 3/16" DIA. TAPCON

SECTION A-A

LIBERALLY APPLY CAULKING UNDER SILL OR SET SILL IN BED OF CONCRETE

CONCRETE OR MASONRY OPENING BY OTHERS

INSTALLATION ANCHOR 3/16" DIA. TAPCON

NOTES:

- 1) DOOR MATERIAL: ALUMINUM ALLOY 6063.
- 2) TAPCON TYPE INSTALLATION ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MIN. EMBEDMENT OF 1-1/4" INTO MASONRY OR CONCRETE.
- 3) ALTERNATE TAPCON INSTALLATION ANCHORS FRONT TO BACK IN ALL FRAME MEMBERS.
- 4) USE LATEX CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF DOOR.
- 5) IF EXACT DOOR SIZE IS NOT LISTED IN ANCHOR CHART, USE ANCHOR QUANTITY LISTED WITH NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE READ.
- 6) FOR POCKET DOOR SIZES USE CLOSEST BYPASS DOOR SIZE & CONFIGURATION TO FINISHED OPENING.
- 7) INSULATED GLASS SHOW, SINGLE GLAZING ALSO APPROVED. TEMPERED GLASS THICKNESS MAY VARY PER REQUIREMENTS OF ASTM E330 GLASS CHARTS.
- 8) ALL FACTORY APPLIED HOLES NOT DESIGNED FOR TAPCON ANCHOR SHOULD BE FILLED WITH #8 SCREWS OF SUFFICIENT LENGTH TO PROVIDE MIN. 5/8" EMBEDMENT INTO WOOD BUCK.
- 9) JAMB / SILL CORNERS ARE TO BE SEALED WITH A SMALL JOINT SEAM SEALER.
- 10) SHIM AS REQ'D. AT EA. SET OF INSTALLATION ANCHORS. MAX. ALLOWABLE SHIM STACK TO BE 1/4".
- 11) ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS.
- 12) WHERE "X" REPRESENTS MOVING PANEL AND "O" REPRESENTS FIXED PANEL APPROVED CONFIGURATIONS ARE AS LISTED ON INSTALLATION CHART.
- 13) NOT ALL CONFIGURATIONS LISTED ABOVE ARE SHOWN ON THIS DRAWING. HOWEVER INSTALLATION SECTIONS "A-A", "B-B" & HOOK STRIP DETAIL, APPLY TO INSTALLATION OF ALL APPROVED CONFIGURATIONS.
- 14) MAX. ALLOWABLE SPACING BETWEEN TAPCON ANCHORS TO BE 24" O.C.
- 15) SERIES 420 SLIDING GLASS DOOR IS SHOWN THIS PRINT ALSO APPLIES TO 430 & 440 SERIES.
- 16) WHERE DOOR IS INSTALLED IN WOOD FRAME STRUCTURE, USE #10 SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO SUBSTRATE. PLACE #10 SCREWS 6" FROM CORNERS & 24" O.C. MAX.

MANUEL MARTINEZ
REGISTERED PROFESSIONAL ENGINEER
NO. 47182
STATE OF FLORIDA
EXPIRATION DATE 12/31/2013

HOOK STRIP DETAIL

EXTERIOR ELEVATION

MI HOME PRODUCTS
GRATZ, PA.

SERIES 420/430/440 SLIDING GLASS DOOR
INSTALLATION WITH TAPCONS

ENGINEER: MANUEL MARTINEZ
DATE: 12/13/01

DESIGNER: CIVIL
SCALE: N.T.S.
DATE: 12/13/01

FL REG. NO: 47182
REV. LETTER: SHEET: 1 OF 1

CONCRETE BY OTHERS

SECTION B

SEE INSTALLATION NOTES

MULLION CLIP #5784

ROUGH OPENING

SECTION C

#5766A

SECTION A

WOOD FRAMING BY OTHERS

1-1/2" MIN. PENETRATION

MULLION CLIP #5784 (NOT TO SCALE)

REVISIONS

DATE: 11-08-08

BY: [Signature]

SECTION #5766A VERTICAL FIN MULLION

SECTION #5766A VERTICAL MULLION DESIGN LOAD (PSF) CAPACITY CHART

MULLION SPAN (ft)	24"	30"	36"	42"	48"	54"
18"	70.0	70.0	70.0	70.0	70.0	70.0
24"	70.0	70.0	70.0	70.0	70.0	70.0
30"	70.0	70.0	70.0	70.0	70.0	70.0
36"	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0
48"	70.0	70.0	70.0	70.0	70.0	70.0
54"	70.0	70.0	70.0	70.0	70.0	70.0
60"	70.0	70.0	70.0	70.0	70.0	70.0
66"	70.0	70.0	70.0	70.0	70.0	70.0
72"	70.0	70.0	70.0	70.0	70.0	70.0

MULLION SPECIFICATION NOTES:

- 1) CHART APPLIES ONLY TO MULLION #5766A WHEN USED TO MULL SERIES 165/185/740/3000/3185/3240/3740 WINDOWS SIDE-BY-SIDE.
- 2) MULLION SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER.
- 3) WINDOW WIDTH IS WIDTH OF INDIVIDUAL WINDOW.
- 4) STATED DESIGN PRESSURES ARE FOR POSITIVE AND NEGATIVE WIND LOADS.
- 5) MULLION SPANS AND DESIGN PRESSURES LISTED IN CHART SATISFY 2007 FLORIDA BUILDING CODE REQUIREMENTS FOR STRENGTH, DEFLECTION AND END REACTION ANCHORAGE.
- 6) MULLION IS NOT APPROVED FOR WIND-BORNE DEBRIS REGIONS WITHOUT AN APPROVED PROTECTION DEVICE INSTALLED.
- 7) REFER TO EVALUATION REPORT WE-2008-182 FOR MULLION ANALYSES.

MULLION INSTALLATION NOTES:

- 1) INSTALLATION MUST USE MULLION CLIP #5784.
- 2) INSTALL #10 x 2" WOOD SCREWS WITH MINIMUM 1-1/2" PENETRATION IN EACH HOLE OF CLIP (4 TOTAL).
- 3) INSTALL 1/4" TAPCON SCREWS WITH MINIMUM 1-3/4" PENETRATION IN EACH HOLE OF CLIP (2 TOTAL). MINIMUM OF 2-1/4" ANCHOR SPACING.
- 4) WOOD FRAMING SHALL BE SPRUCE-PINE-FIR (G=0.42). CONCRETE SHALL BE MINIMUM COMPRESSIVE STRENGTH OF F'c=3,000 PSI.
- 5) INSTALLATION DETAIL IS FOR STRUCTURAL INTEGRITY ONLY.

REVISIONS

DATE: 11-08-08

BY: [Signature]

SECTION #5766A VERTICAL FIN MULLION

SECTION #5766A VERTICAL MULLION DESIGN LOAD (PSF) CAPACITY CHART

MULLION SPAN (ft)	48"	60"	72"	74"	84"	96"	108"
18"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
24"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
30"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"	70.0	70.0	70.0	70.0	70.0	70.0	70.0

MULLION SPECIFICATION NOTES:

- 1) CHART APPLIES ONLY TO MULLION SECTION #5766A WHEN USED TO MULL TRANSOMS OVER SERIES 165/185/740/3000/3185/3240/3540/3740/3500HP WINDOWS.
- 2) MULLION SHALL BE 6063-T5 ALUMINUM ALLOY AND TEMPER.
- 3) WINDOW HEIGHT IS HEIGHT OF WINDOW BELOW TRANSOM. TRANSOM IS 1/2" WINDOW HEIGHT OR SHORTER.
- 4) STATED DESIGN PRESSURES ARE FOR POSITIVE AND NEGATIVE WIND LOADS.
- 5) MULLION SPANS AND DESIGN PRESSURES LISTED IN CHART SATISFY 2007 FLORIDA BUILDING CODE REQUIREMENTS FOR STRENGTH, DEFLECTION AND END REACTION ANCHORAGE.
- 6) MULLION IS NOT APPROVED FOR WIND-BORNE DEBRIS REGIONS WITHOUT AN APPROVED PROTECTION DEVICE INSTALLED.
- 7) REFER TO EVALUATION REPORT WE-2008-191 FOR MULLION ANALYSES.

MULLION INSTALLATION NOTES:

- 1) INSTALLATION MUST USE MULLION CLIP #5796.
- 2) INSTALL #10 x 2" WOOD SCREWS WITH MINIMUM 1-1/2" PENETRATION IN EACH HOLE OF CLIP (4 TOTAL).
- 3) INSTALL 1/4" TAPCON SCREWS WITH MINIMUM 1-3/4" PENETRATION IN EACH HOLE OF CLIP (2 TOTAL). MINIMUM OF 2-1/4" ANCHOR SPACING.
- 4) WOOD FRAMING SHALL BE SPRUCE-PINE-FIR (G=0.42). CONCRETE SHALL BE MINIMUM COMPRESSIVE STRENGTH OF F'c=3,000 PSI.
- 5) INSTALLATION DETAIL IS FOR STRUCTURAL INTEGRITY ONLY.

REVISIONS

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SECTION #5766A VERTICAL FIN MULLION