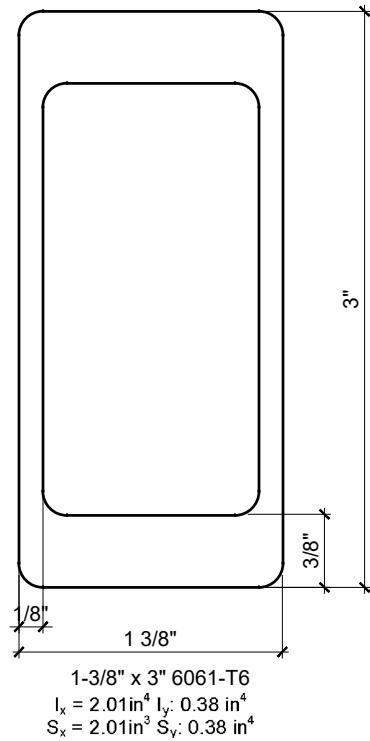




GENERAL NOTES:

THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

THE MULLION HAS BEEN DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE ALUMINUM DESIGN MANUAL USING ALLOWABLE STRESS DESIGN AND THE CURRENT EDITION OF ASCE 7. LOADS HAVE NOT BEEN INCREASED TO ACCOUNT FOR LOAD FACTORS PER THE CURRENT EDITION OF ASCE 7. A FACTOR OF SAFETY HAS BEEN APPLIED TO THE STRENGTH OF THE MULLION IN ACCORDANCE WITH THE CURRENT EDITION OF THE ALUMINUM DESIGN MANUAL. THE LOADS SHOWN ARE THE FACTORED LOADS PER THE CURRENT EDITION OF ASCE 7.

MULLION MAXIMUM CAPACITY: ±70 PSF WITH A MAXIMUM REACTION OF 1000 LBS.

FASTENERS:

- **CONCRETE:** 1/4" TAPPER BY "POWERS," WITH 1-1/2" EMBEDMENT. CONCRETE STRENGTH: 3000 PSI MINIMUM.

WOOD: 1/4" WOOD LAG BOLT INTO #2 SOUTHERN PINE WITH 1-1/2" EMBEDMENT.

THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE IN ACCORDANCE WITH THE CURRENT EDITION OF ASCE 7. MULLIONS ARE CALCULATED TO DEFLECT NO MORE THAN L/175.

THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS.

DETAILS SHOWN ARE FOR THE MULLION ONLY. ANCHORS SHOWN ARE IN ADDITION TO ANY ANCHORS REQUIRED FOR FENESTRATION PRODUCT INSTALLATION. TYPICAL APPLICATIONS ARE SHOWN. EACH SITUATION IS UNIQUE AND SHALL BE EVALUATED BY AN EXPERIENCED INSTALLER TO DETERMINE THE APPROPRIATE INSTALLATION METHOD.

OPTIONAL 1X OR 2X WOOD BUCKS, IF USED, SHALL BE PROPERLY ANCHORED TO TRANSFER LOADS AND SHALL BE DESIGNED BY OTHERS.

THE TYPE AND NUMBER OF ANCHORS ARE CRITICAL TO THE STRUCTURAL PERFORMANCE OF THE MULLED UNITS. MULLIONS HAVE BEEN TESTED AS "FREE-FLOATING."

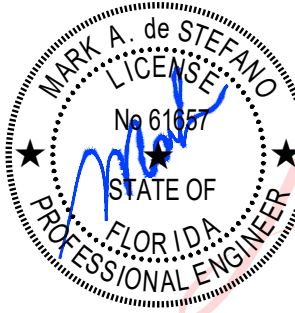
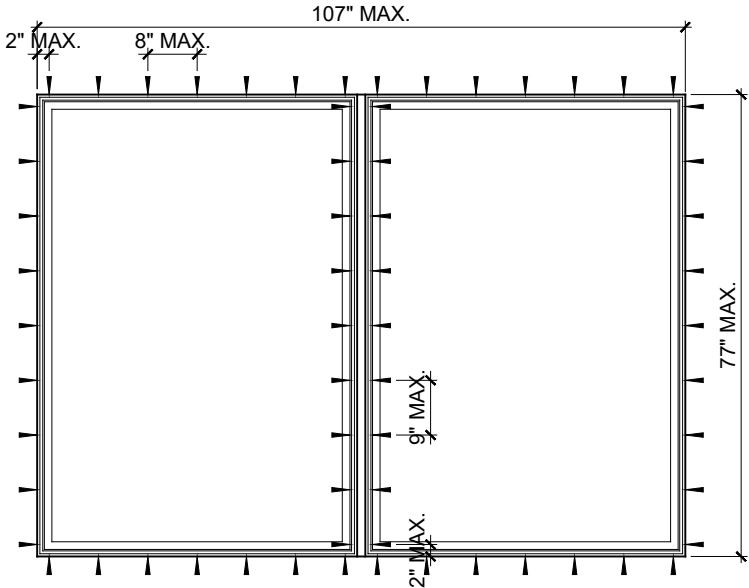
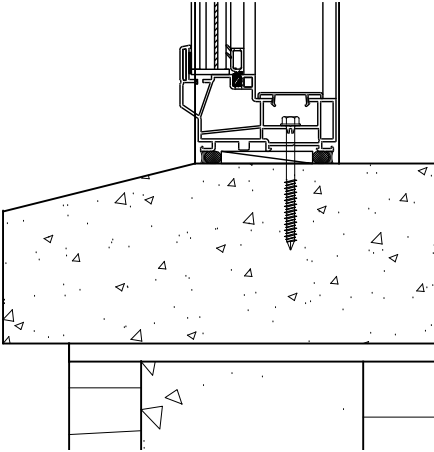
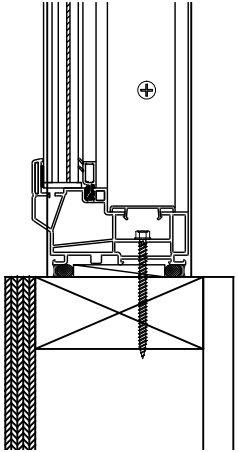
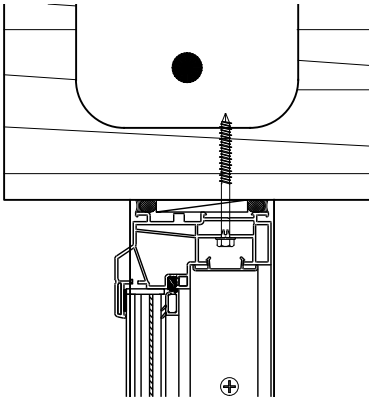
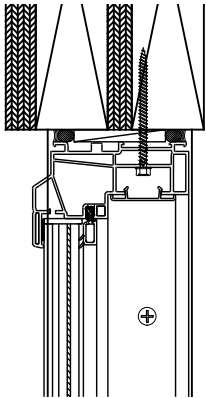
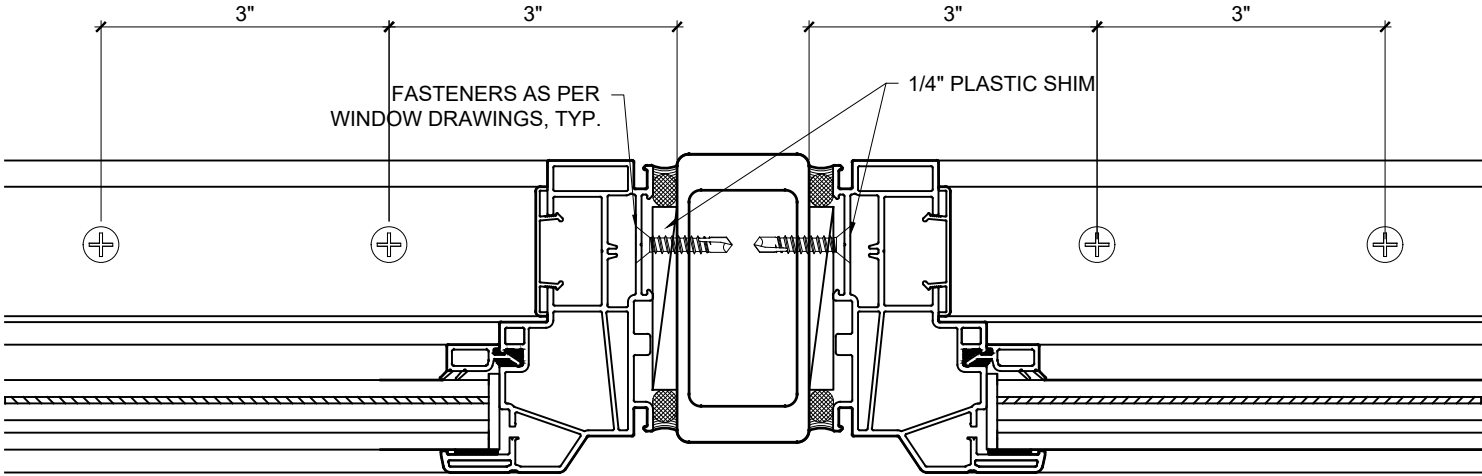
PROPER SEALING OF THE ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

ANCHOR EMBEDMENT INTO THE BASE MATERIAL SHALL EXTEND BEYOND WALL FINISHES OR STUCCO. WOOD BUCKS BY OTHERS SHALL BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE STRUCTURE. ANCHORS SHALL BE COATED OR CORROSION-RESISTANT AS APPROPRIATE FOR THE SUBSTRATE MATERIAL. DISSIMILAR MATERIALS SHALL BE PROTECTED AS REQUIRED TO PREVENT ADVERSE REACTIONS.

MULLIONS AND CLIPS HAVE BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE AND ARE APPROVED FOR IMPACT AND NON-IMPACT APPLICATIONS. MULLIONS SHALL ONLY BE USED WITH APPROVED FENESTRATION PRODUCTS HAVING CURRENT APPROVALS.

MULLIONS ARE IN COMPLIANCE FOR USE IN THE HVHZ. LARGE AND SMALL MISSILE IMPACT TESTING IN ACCORDANCE WITH TAS 201, TAS 202, AND TAS 203: TEST REPORTS NCTL-110-14729-1; NCTL-210-3907-01.; NAMI #: NI010966.01

MULLION CLIPS ARE NOT REQUIRED, AS THE WINDOW FRAMES ARE DESIGNED TO RESIST THE APPLICABLE LOADS



Digitally signed by Mark A DeStefano
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ENGINEERING GROUP PL,
dnQualifier=A01410D00000196AC249
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341 Interstate Blvd. Phone: (941) 371-1724
Sarasota, Florida 34240 Fax: (941) 847-0870
Web: www.DeStefanoEngineering.com
Certificate of Authorization Number: 27383



WINDOW CRAFTSMAN
6031 Clark Center Avenue - Sarasota, FL. 34238

WINDOW MULLION
MB-200

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