SH3100V SMALL MISSILE & LARGE MISSILE (LEVEL C) IMPACT RESISTANT, VINYL SINGLE HUNG WINDOW

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS AT THE FOLLOWING LOCATIONS:

A) WITHIN 1 MILE OF THE COASTAL MEAN HIGH WATER LINE WHERE THE ULTIMATE WIND SPEED IS EQUAL TO OR GREATER THAN 130 MPH AND LESS THAN 140 MPH. B) GREATER THAN 1 MILE FROM THE COASTAL MEAN HIGH WATER LINE WHERE THE ULTIMATE WIND SPEED IS GREATER THAN OR EQUAL TO 140 MPH AND LESS THAN 150 MPH.

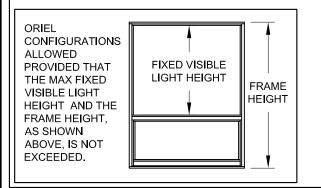
3) MASONRY ANCHORS MAY BE USED INTO WOOD. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE, WOOD BUCKS DEPICTED HEIGHT AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

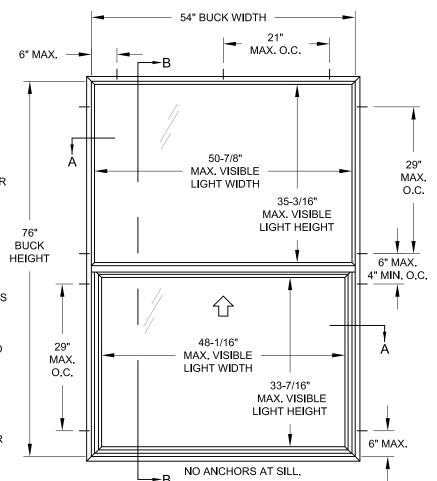
4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) SHIMS ARE REQUIRED AT EACH FLANGE/EQUAL LEG ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE, USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE, THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

7) FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.





FLORIDA PRODUCT APPROVAL #38618



Glass Types

1/8" TP Cap, 5/16" Airspace, 1/8" AN, 0.045" Trosifol PVB, 1/8" AN

1/8" AN Cap, 5/16" Airspace, 1/8" HS, 0.045" Trosifol PVB, 1/8" HS

1/8" TP Cap, 5/16" Airspace, 1/8" HS, 0.045" Trosifol PVB, 1/8" HS

SH3100V

NTS

TABLE 1:

54" BUCK WIDTH −6" MAX. 50-7/8" C MAX. VISIBLE LIGHT WIDTH 35-3/16" 6" MAX. O.C. MAX. VISIBLE LIGHT HEIGHT 76" BUCK **HEIGHT** 48-1/16" MAX. VISIBLE LIGHT WIDTH 33-7/16" MAX. VISIBLE LIGHT HEIGHT 6" MAX. — 6" MAX. O.C.

(INTEGRAL FIN / J-CHANNEL FRAME)

TYP. ANCHOR LOCATIONS @ TESTED SIZE

TROSIFOL PVB INTERLAYER MANUFACTURED BY KURARAY 1/8" AN Cap, 5/16" Airspace, 1/8" AN, 0.045" Trosifol PVB, 1/8" AN AMERICA, INC.

> AN = ANNEALED GLASS HS = HEAT-STRENGTHENED GLASS

TP = TEMPERED GLASS

VINYL SINGLE HUNG WINDOW (LM) JENS ROSOWSKI (305) 593-6590 Description: **GENERAL NOTES & ELEVATION** 03/24/21 Rev. By: Rev. Date: MINOR EDITORIAL UPDATES LMY 08/17/23 Series/Model: Drawing No. Scale:

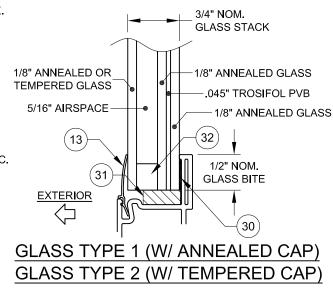
SH3100FBC-1

Α

1 OF 6

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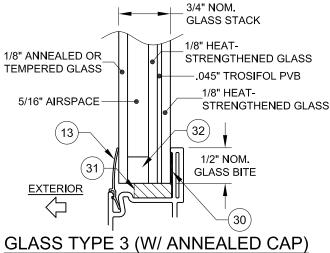
CGI WINDOWS AND DOORS, INC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING. REGISTRATION #29296 **RATED FOR SMALL MISSILE &** LEVEL C LARGE MISSILE IMPACT RESISTANCE



DESIGN PRESSURE RATING

+50/-50 PSF (WITH SILL RISER)

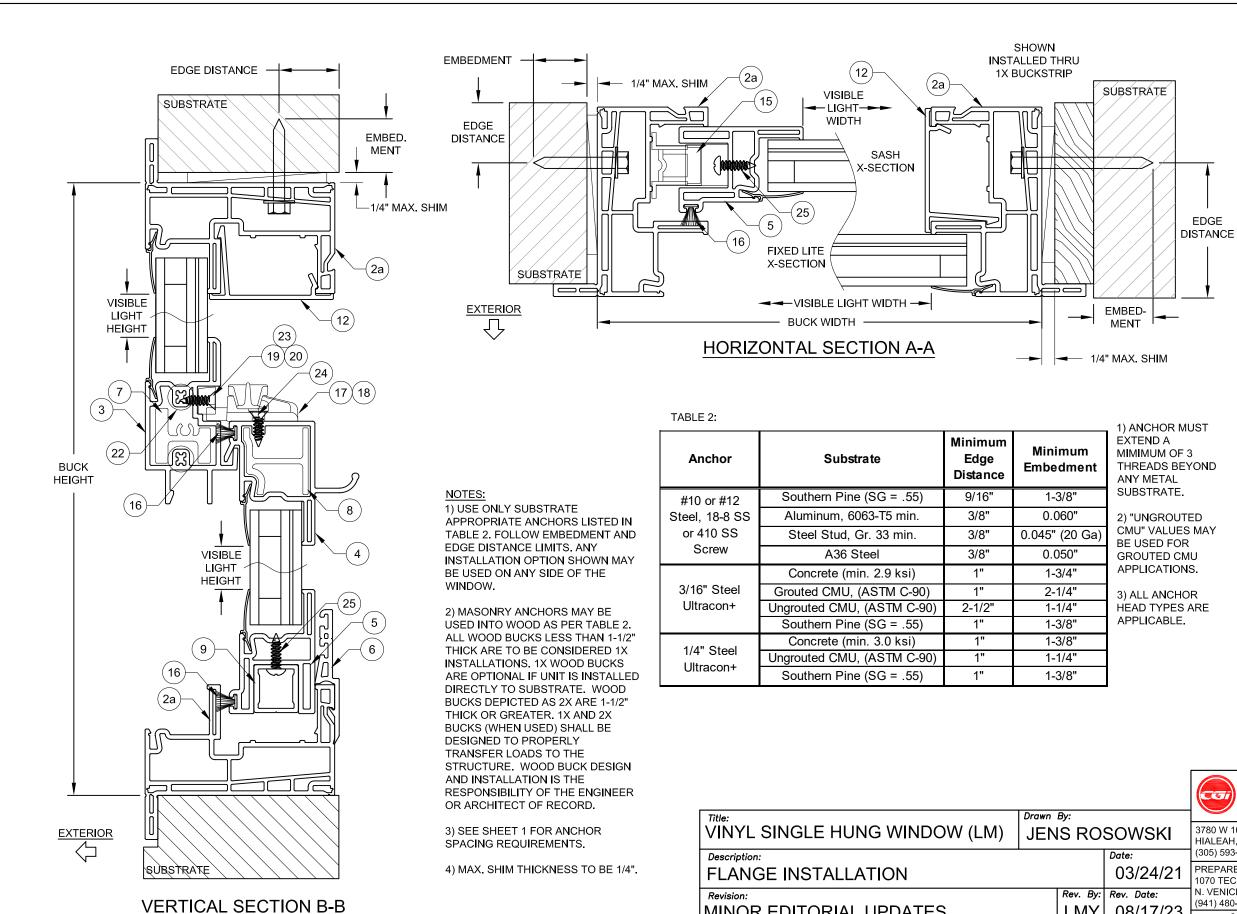
+40/-50 PSF (WITHOUT SILL RISER



GLASS TYPE 4 (W/ TEMPERED CAP)



P.E.# 58705



MAY BE VERTICAL OR HORIZONTAL. #10 OR #12 SELF DRILLING SMS (SEE TABLE, THIS SHEET) **EXTERIOR INSTALLED DIRECTLY** INTO APPROVED ALUMINUM, STEEL FRAMING OR STEEL STUD.

INSTALLED INTO

APPROVED MULLION,

EXTERIOR

 \triangle

#10 OR #12 SELF

DRILLING SMS

(SEE TABLE,

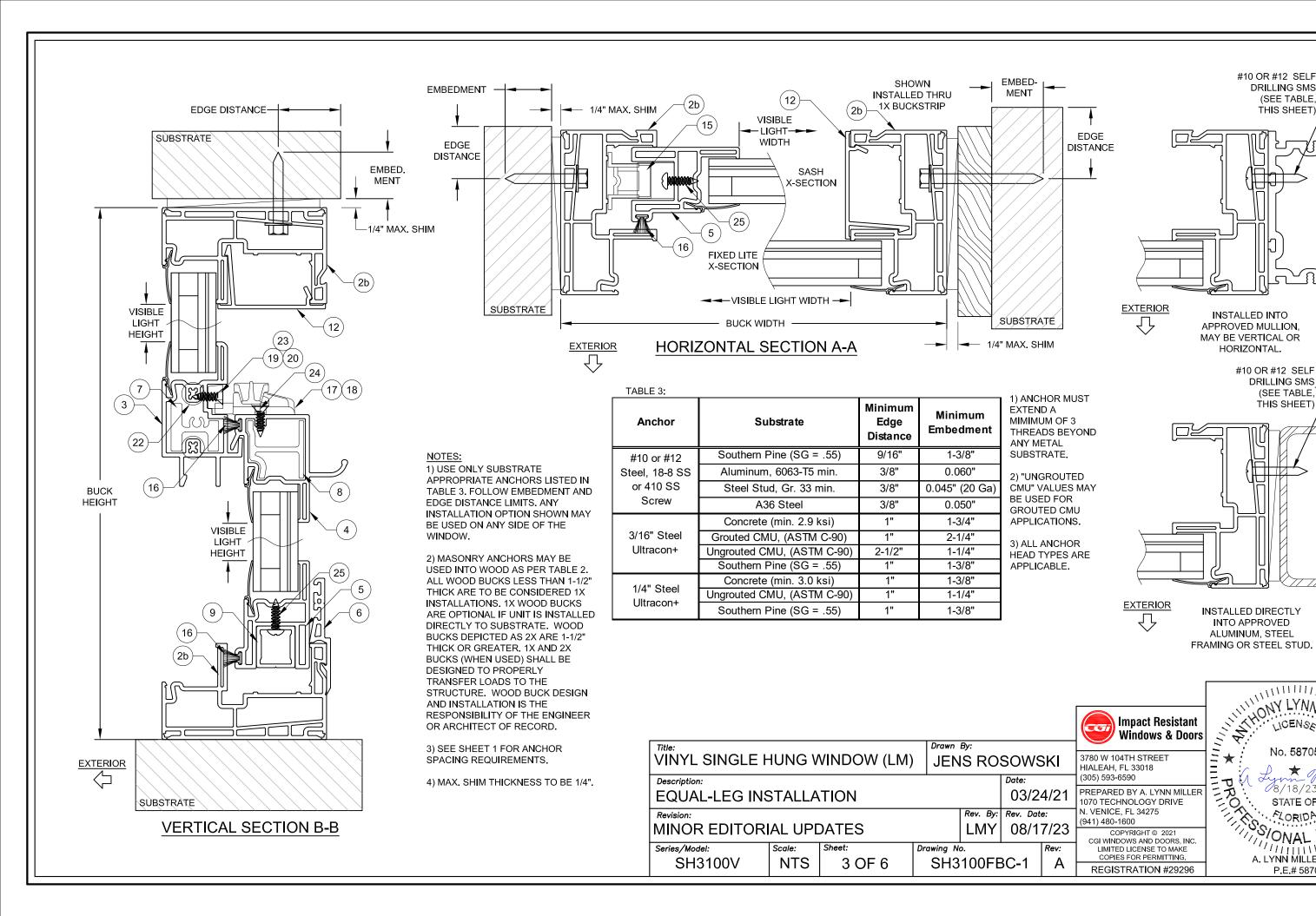
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MINOR EDITORIAL UPDATES LMY 08/17/23 Series/Model: Scale: Drawing No. 2 OF 6 SH3100V NTS SH3100FBC-1 Α

Impact Resistant Windows & Doors 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 COPYRIGHT © 2021 CGI WINDOWS AND DOORS, INC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.

REGISTRATION #29296

08/18/23 STATE OF AZORIDA. SONAL A. LYNN MILLER, P.E. P.E.# 58705



#10 OR #12 SELF

DRILLING SMS

THIS SHEET)

DRILLING SMS

(SEE TABLE,

08/18/23

STATE OF

A ORIDA

A. LYNN MILLER, P.E.

P.E.# 58705

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THIS SHEET)

(SEE TABLE,

