

SUNSET WINDOWS & DOORS

SERIES AL-058 PICTURE WINDOW

NON-IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE CURRENT PROVISIONS OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO AAMA/WDMA/CSA 101/I.S.2/A440-11 DOCUMENTED IN TEST REPORT NO. NCTL-210-4130-01.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEViate FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.
5. ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
6. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL BE AS FOLLOWS:

6.1. THE NON-IMPACT GLAZED PRODUCT REQUIRES THE USE OF AN IMPACT PROTECTION DEVICE IF USED IN A WINDBORNE DEBRIS REGION.
7. MATERIALS: FRAME: ALUMINUM 6063-T5
8. GLAZING:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

8.2. SEE GLAZING DETAILS ON SHEET 5 OF 5.

8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
9. PANEL OPERABILITY DESIGNATIONS:

9.1. WINDOW IS AN INOPERABLE (FIXED) PANEL.

ANCHOR NOTES:

1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
2. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ITW ADVANCED THREADFORM TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:

2.1. CONCRETE: 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-1/2" MINIMUM EDGE DISTANCE.

2.2. CMU/MASONRY: 1" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
3. ANCHORING INTO WOOD SHALL BE AS FOLLOWS:

3.1. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS PER (ANSI B18.6.1) WITH MINIMUM GRADE 2 STRENGTH AND WITH SUFFICIENT LENGTH TO ACHIEVE 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE.
4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).

4.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

4.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

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2	ELEVATION AND ANCHOR LAYOUT
3-4	INSTALLATION DETAILS
5	BILL OF MATERIALS, COMPONENTS & GLAZING DETAIL

SUNSET WINDOWS AND DOORS, LLC
910 WAREHOUSE ROAD, UNIT 110104
ORLANDO, FL 32803

SERIES AL-058 PICTURE WINDOW
ALUMINUM T.B. NON-IMPACT
GENERAL NOTES

DRAWN:
JRM

DWG NO.
NL-0107

REV
A

SCALE
NTS

DATE
06/03/2019

SHEET
1 OF 5

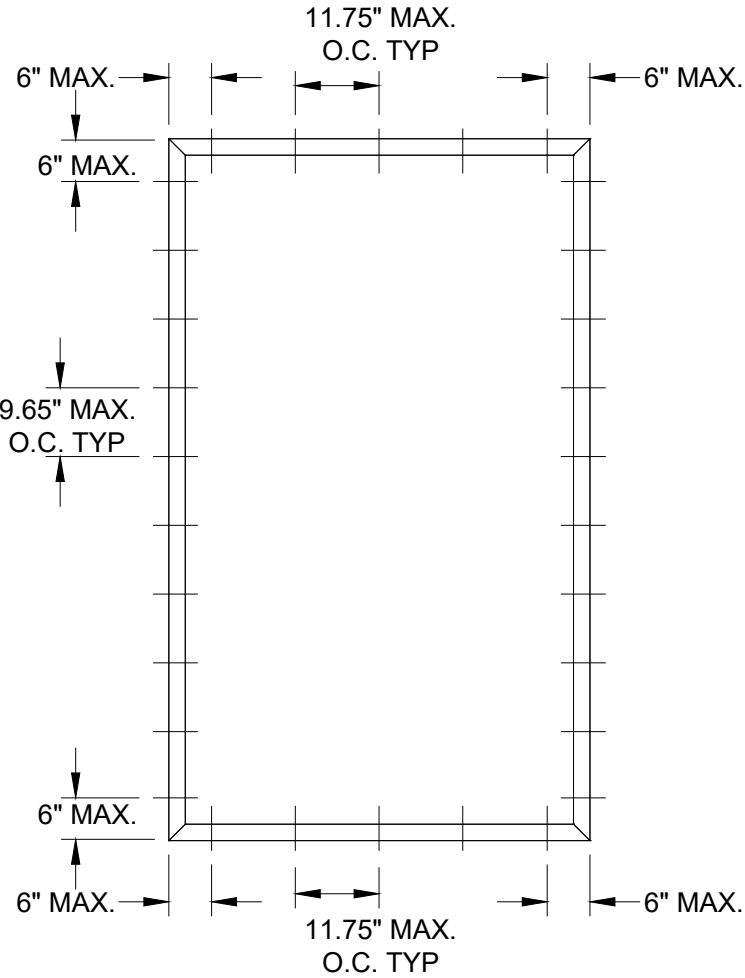
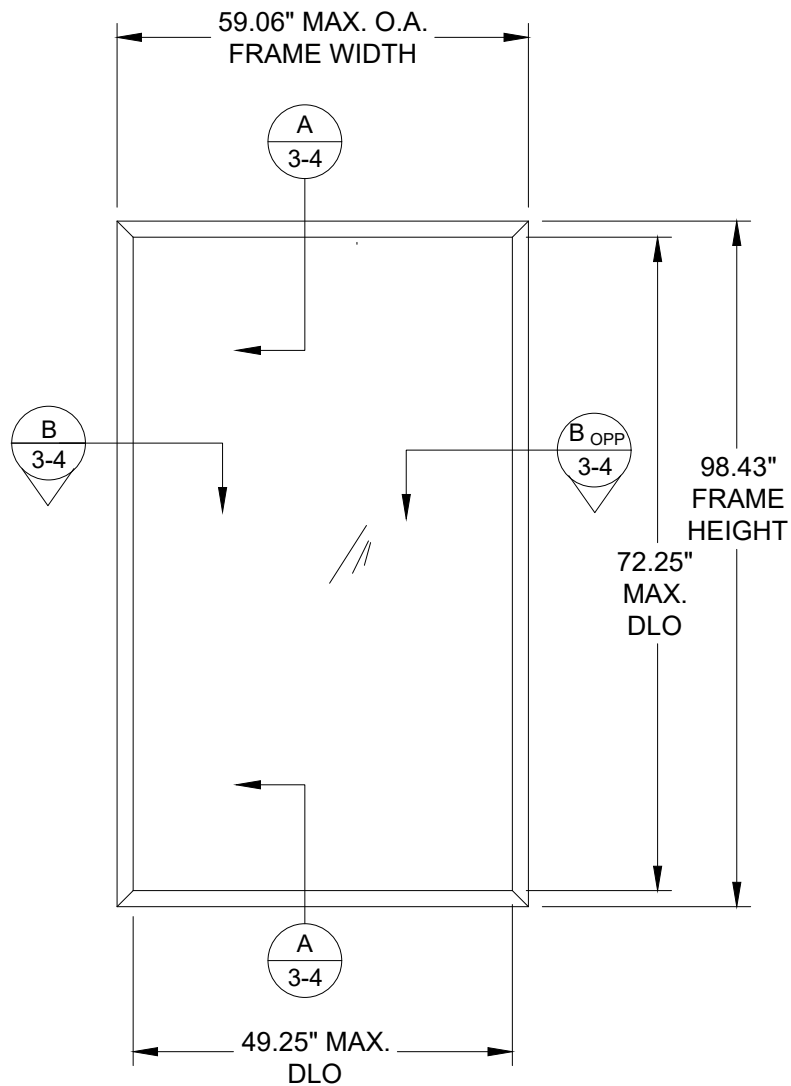
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FL. P.E. NO. 49752



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REVISIONS			
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ANCHOR LAYOUT
FRAME INSTALLATION

**ANCHORAGE INSTALLATION REQUIREMENTS TO MEET
DESIGN PRESSURE OF +/-80 PSF**

DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION	IMPACT RATING
59.06" X 98.43"	+/- 80.0	O	NONE
SEE GLAZING DETAIL ON SHT. 5			

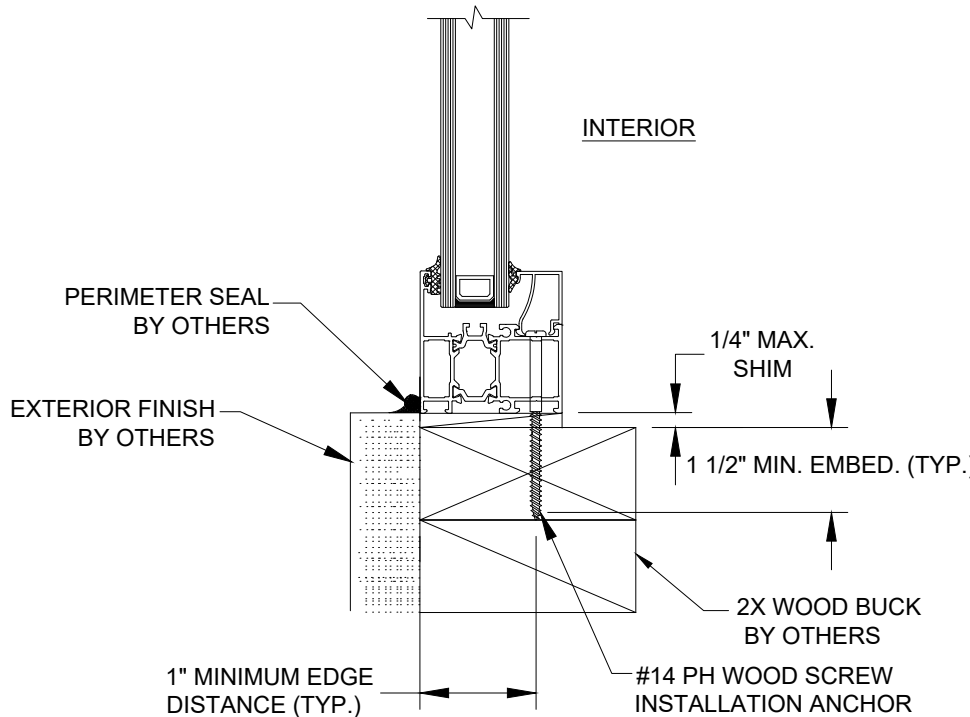
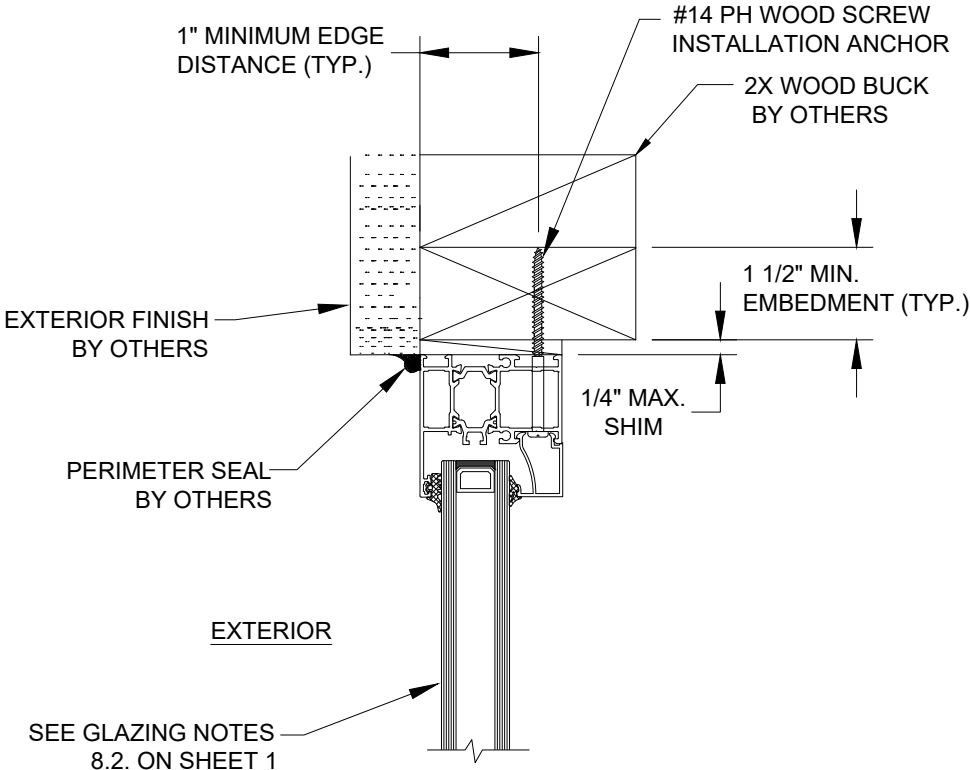
SUNSET WINDOWS AND DOORS, LLC 910 WAREHOUSE ROAD, UNIT 110104 ORLANDO, FL 32803		
SERIES AL-058 PICTURE WINDOW ALUMINUM T.B. NON-IMPACT ELEVATION & ANCHOR LAYOUT		
DRAWN: JRM	DWG NO. NL-0107	REV A
SCALE NTS	DATE 06/03/2019	SHEET 2 OF 5

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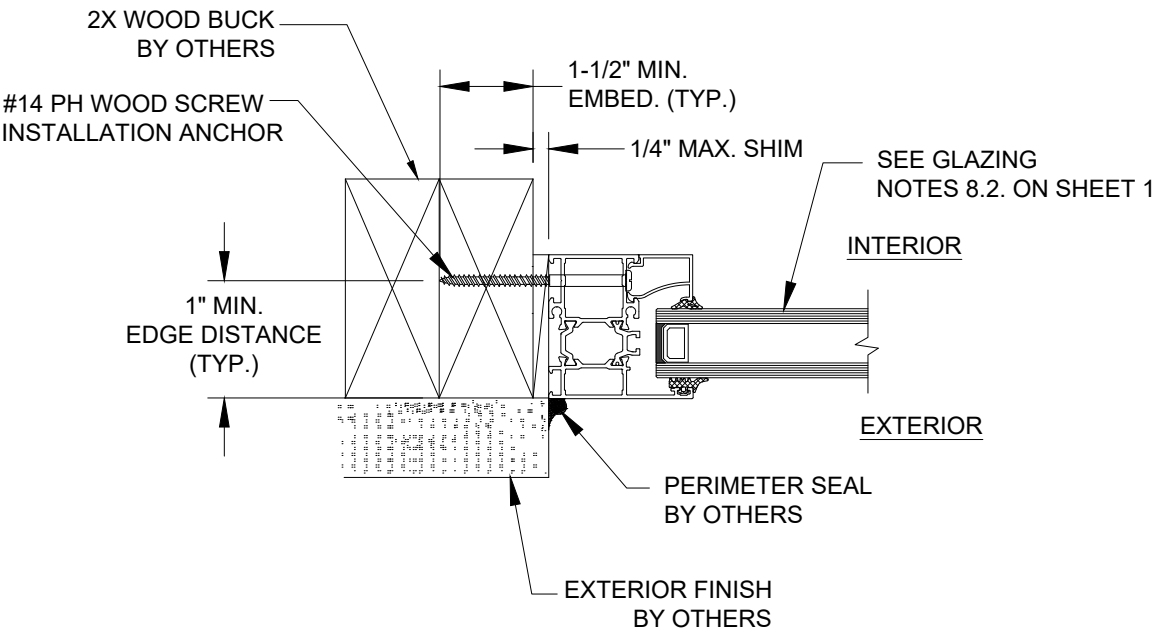
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A
3

VERTICAL SECTION
WOOD FRAME SUBSTRATE
EQUAL LEG FRAME TYPE



B
3

HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
EQUAL LEG FRAME TYPE

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ALUMINUM T.B. NON-IMPACT
INSTALLATION DETAILS-WOOD FRAME

DRAWN: JRM	DWG NO. NL-0107	REV A
SCALE NTS	DATE 06/03/2019	SHEET 3 OF 5

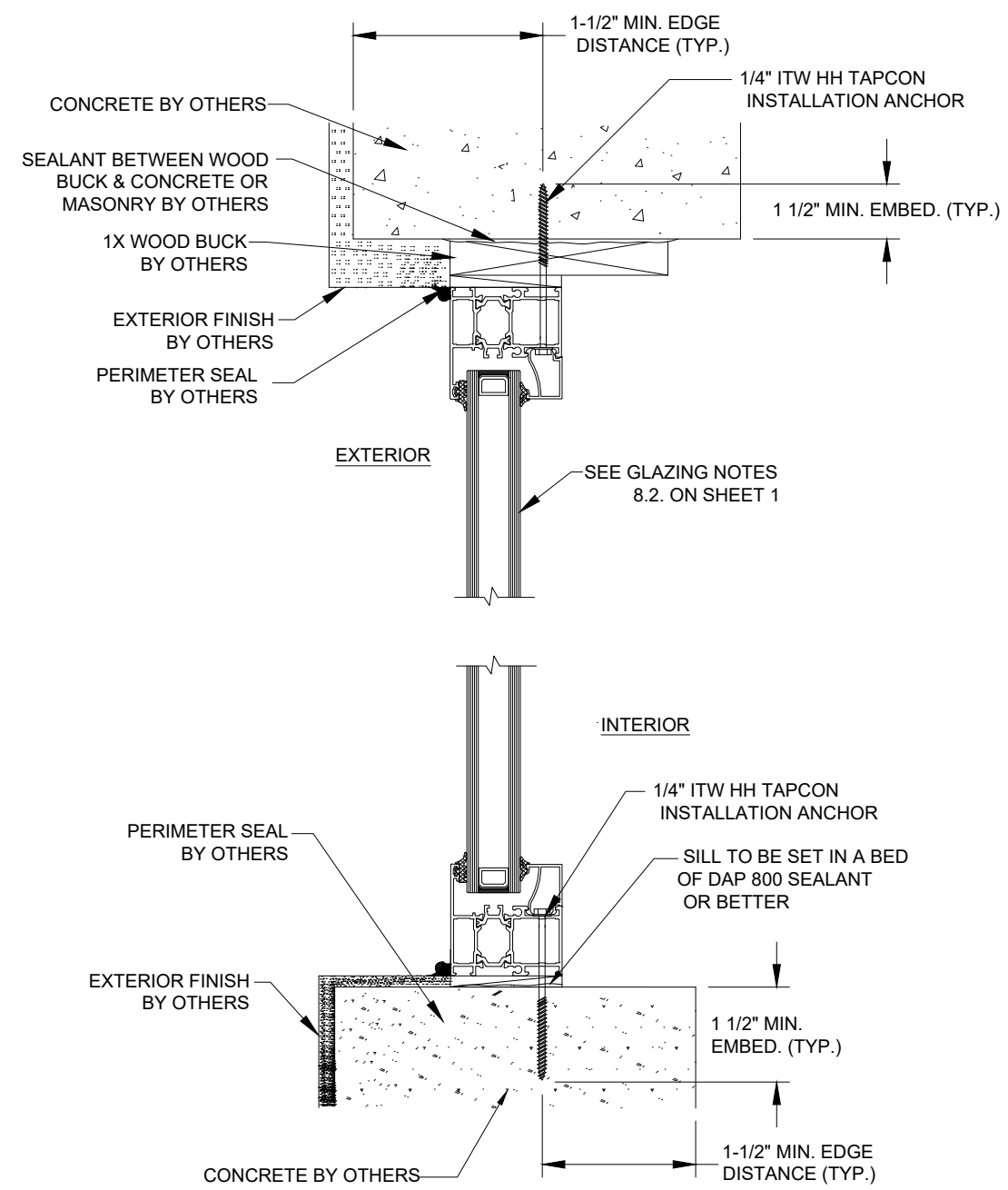
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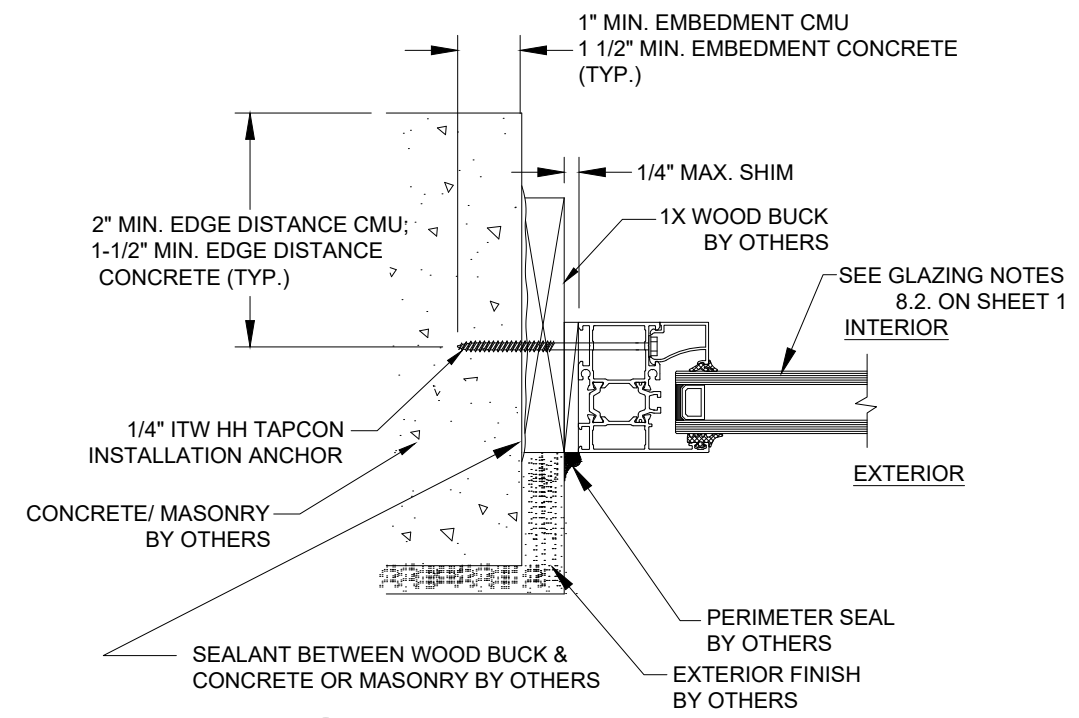
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A
4
VERTICAL SECTION
CONCRETE SUBSTRATE
EQUAL LEG FRAME TYPE



B
4
HORIZONTAL SECTION
MASONRY/CONCRETE SUBSTRATE
EQUAL LEG FRAME TYPE

SUNSET WINDOWS AND DOORS, LLC 910 WAREHOUSE ROAD, UNIT 110104 ORLANDO, FL 32803		
SERIES AL-058 PICTURE WINDOW ALUMINUM T.B. NON-IMPACT INSTALLATION-MASONRY/CONCRETE		
DRAWN: JRM	DWG NO. NL-0107	REV A
SCALE NTS	DATE 06/03/2019	SHEET 4 OF 5

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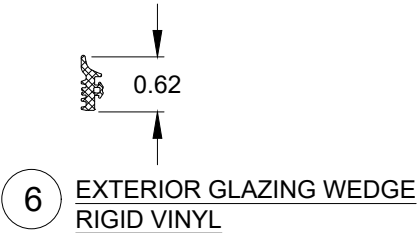
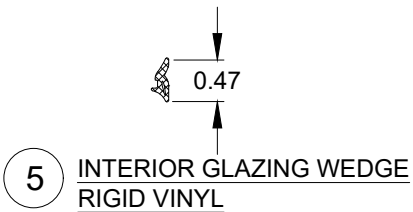
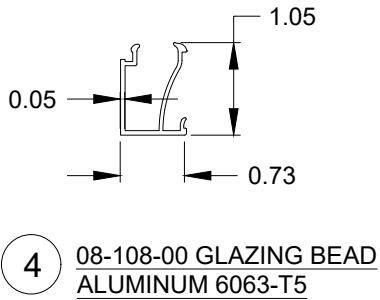
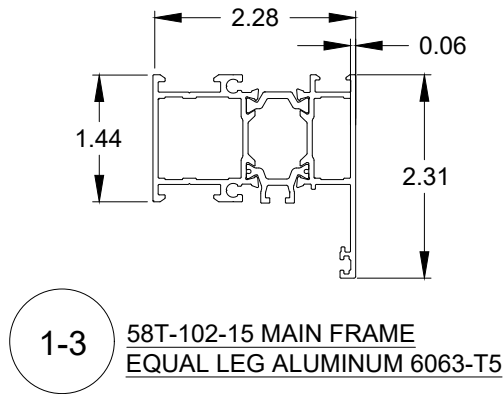
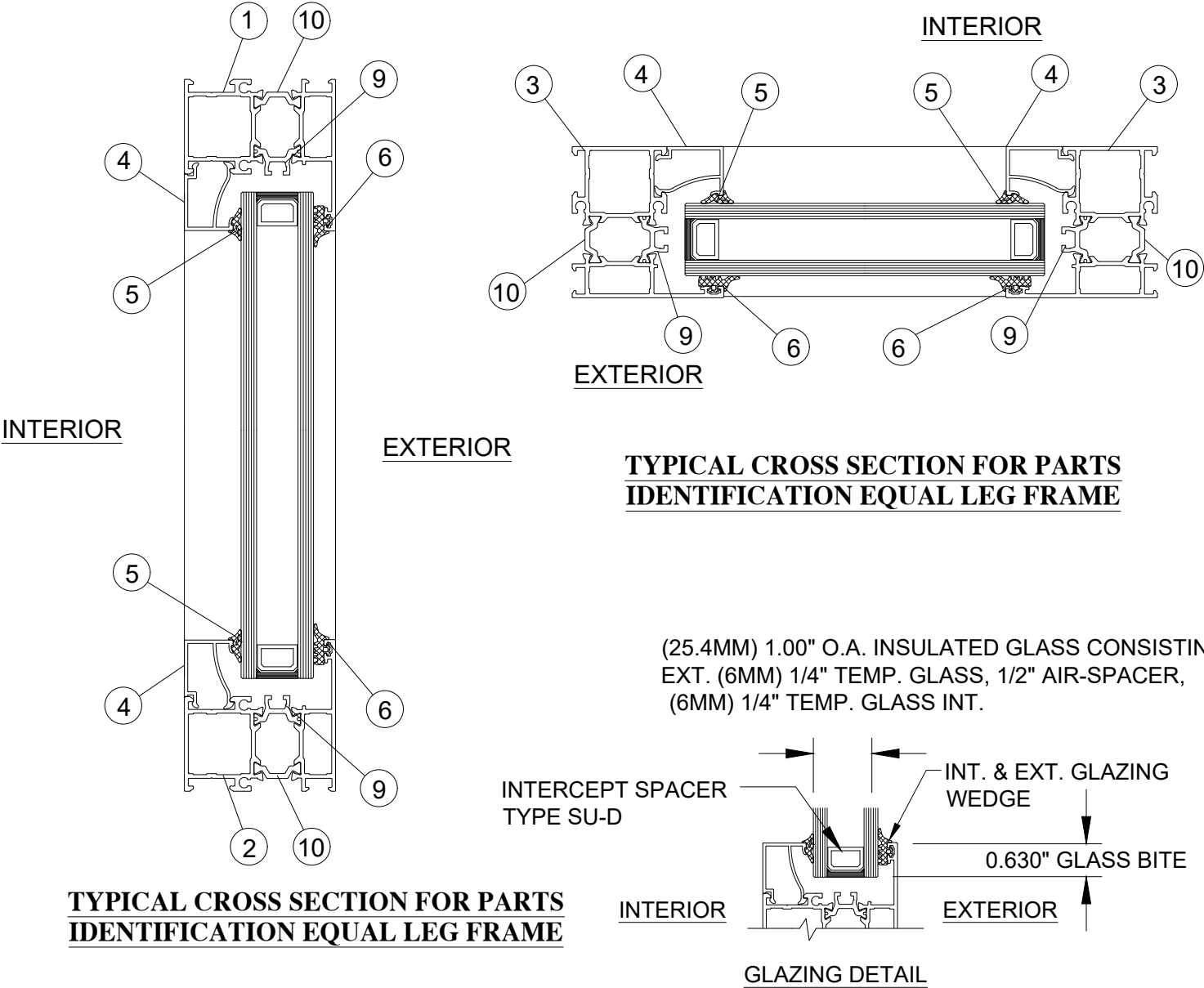


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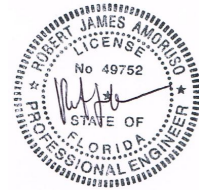
QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	10004760	MAIN FRAME HEAD, ALUMINUM 6063-T5	SUNSET
2	10004760	MAIN FRAME JAMB, ALUMINUM 6063-T5	SUNSET
3	10004760	MAIN FRAME SILL, ALUMINUM 6063-T5	SUNSET
4	10005465	1.00" I.G. LAMINATED GLAZING BEAD, ALUM. 6063 T5	SUNSET
5	-----	INTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
6	-----	EXTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
7	-----	EPDM SETTING BLOCKS	PURCHASE
8	-----	#10 PH S.M.S.	PURCHASE
9	-----	INTERIOR THERMAL-STRUT-COMPOSITE	PURCHASE
10	-----	EXTERIOR THERMAL-STRUT-COMPOSITE	PURCHASE
11	-----	#14 PH WOOD SCREW	PURCHASE
12	-----	1/4" DIAM. I.T.W. MASONRY ANCHOR	PURCHASE

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DRAWN: JRM	DWG NO. NL-0107	REV A
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