

SUNSET WINDOWS & DOORS

SERIES AL-580 SINGLE ENTRY DOOR

NON-IMPACT

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-210-4130-03.
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. DOOR IS AN OPERABLE PANEL (X).

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3-4	INSTALLATION DETAILS
5	BILL OF MATERIALS, COMPONENTS & GLAZING DETAIL

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).

SUNSET WINDOWS & DOORS
910 WHAREHOUSE ROAD, SUITE 110104
ORLANDO, FLORIDA 32803

SERIES AL-580 SINGLE ENTRY DOOR (X)
ALUMINUM T.B. NON-IMPACT
GENERAL NOTES

DRAWN:
JRM

DWG NO.
NL-0110

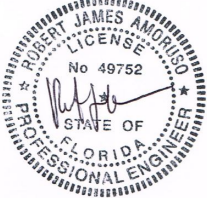
REV
A

SCALE
NTS

DATE
09/09/2019

SHEET
1 OF 5

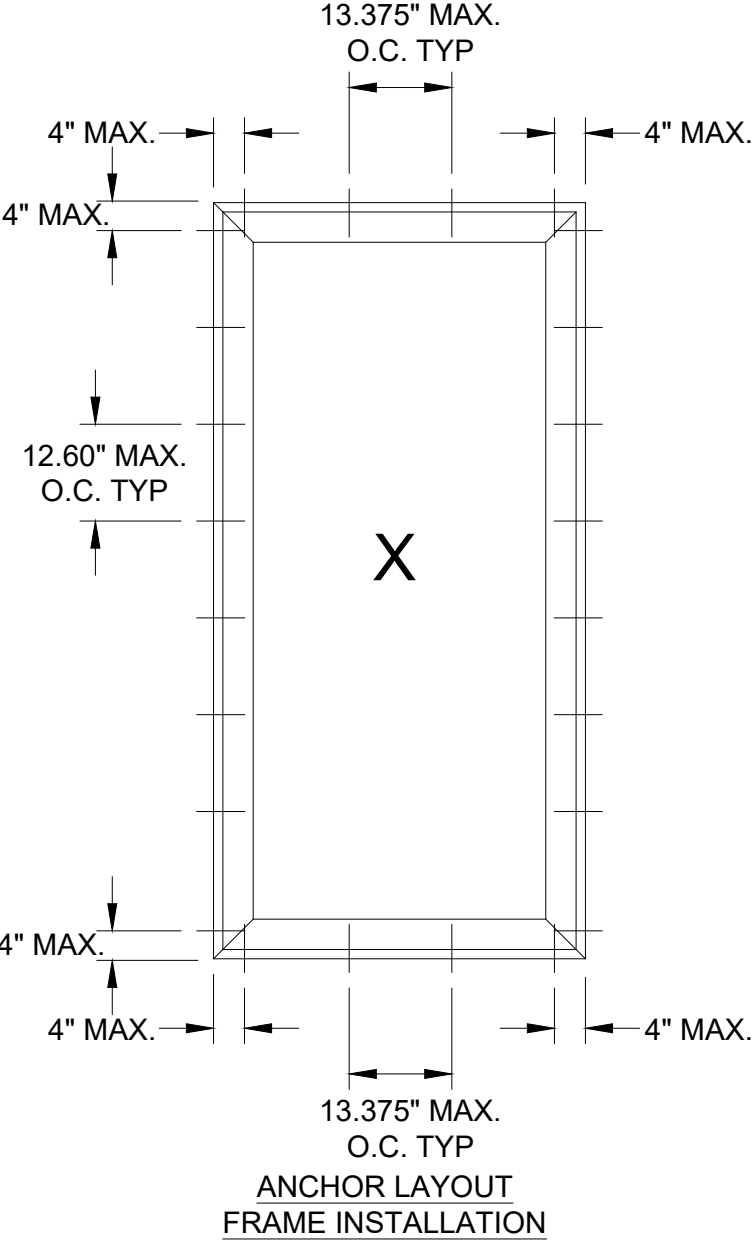
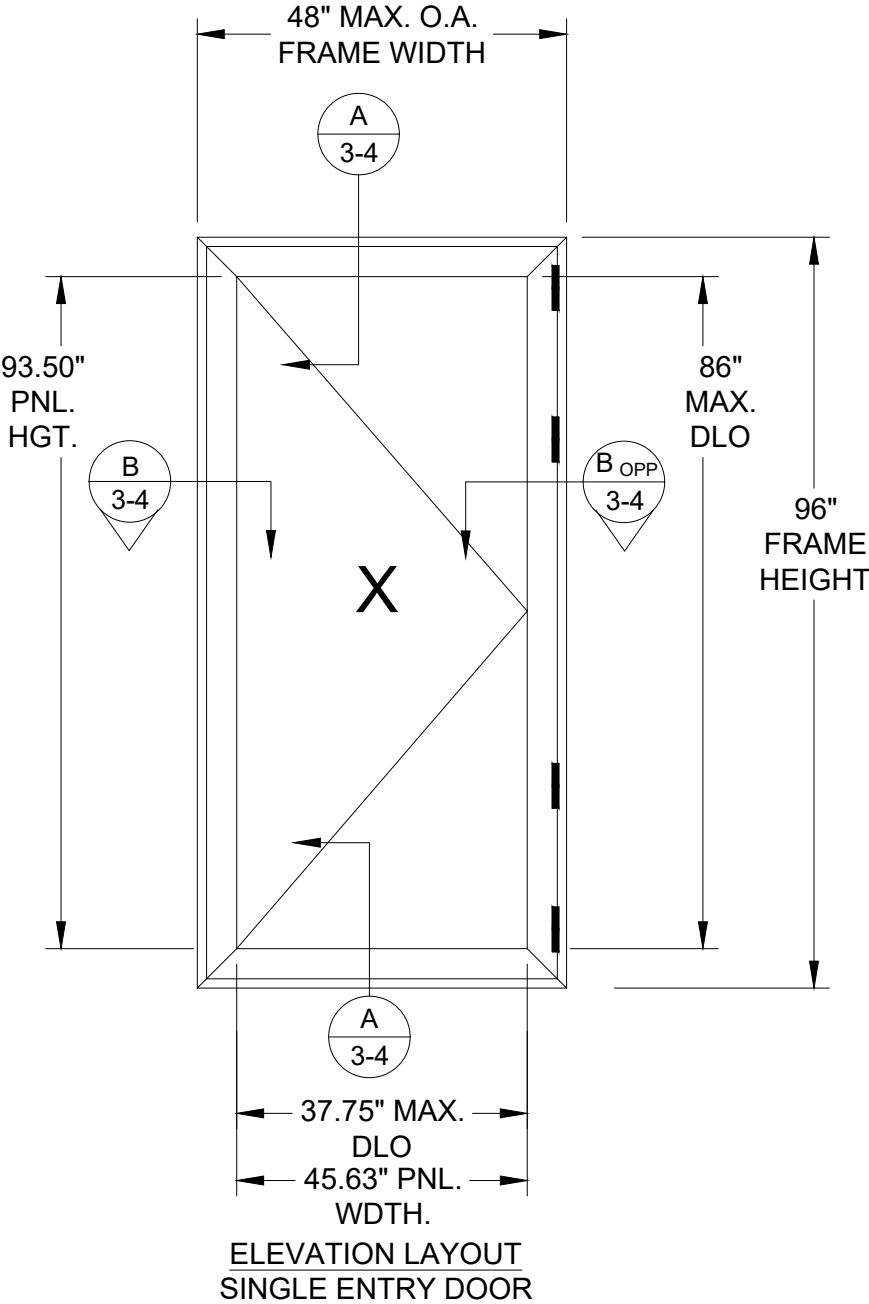
ROBERT J. AMORUSO
FL. P.E. NO. 49752



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Robert J Amoruso
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734 S CENTER ST.
ORMOND BEACH, FL 32174
rjaengpe@gmail.com

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



**ANCHORAGE INSTALLATION REQUIREMENTS TO MEET
DESIGN PRESSURE OF +/-50 PSF**

DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION	IMPACT RATING
48" X 96"	+/- 50.0	X	NONE
SEE GLAZING DETAIL ON SHT. 5			

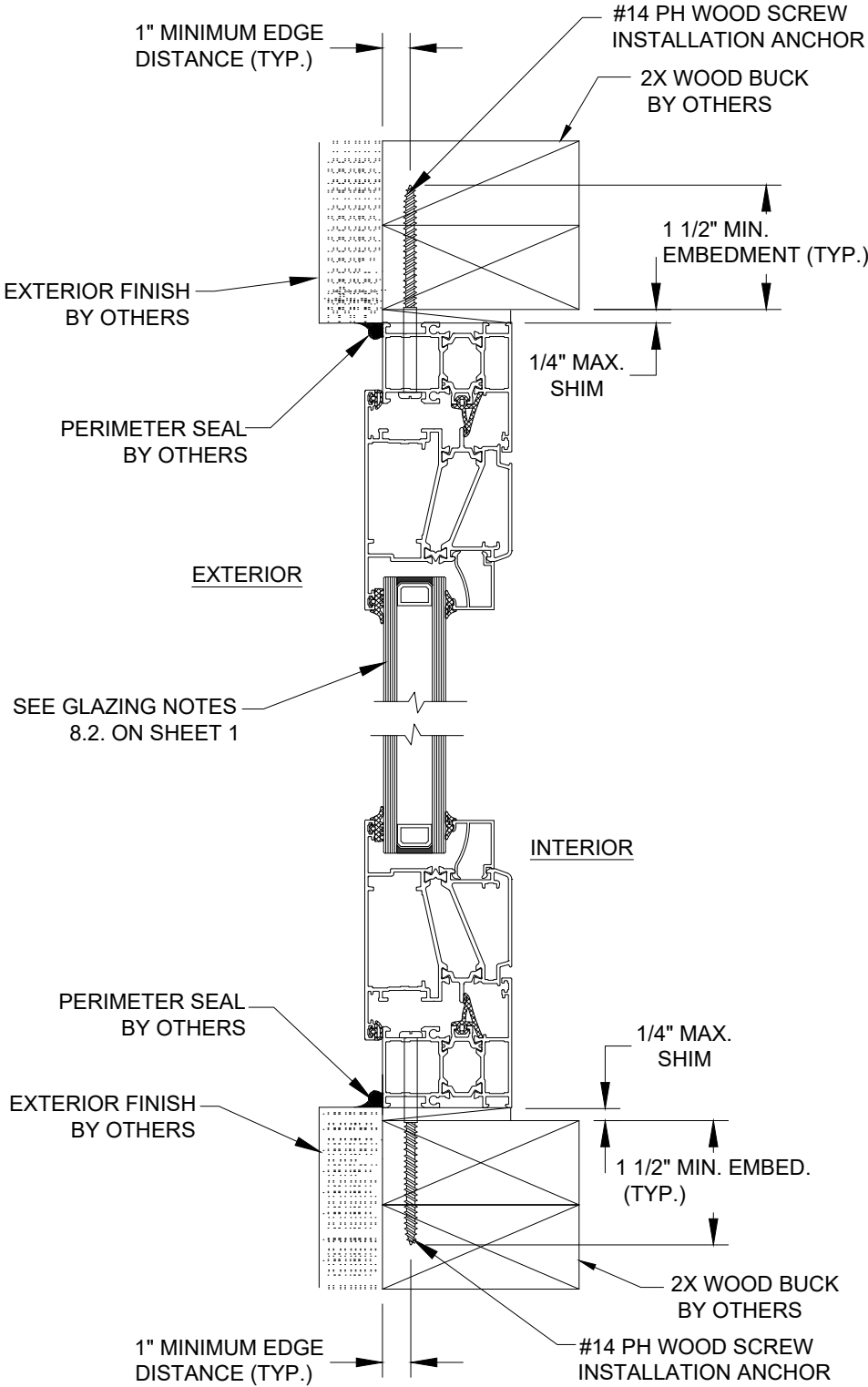
SUNSET WINDOWS & DOORS 910 WHAREHOUSE ROAD, SUITE 110104 ORLANDO, FLORIDA 32803		
SERIES AL-580 SINGLE ENTRY DOOR (X) ALUMINUM T.B. NON-IMPACT ELEVATION & ANCHOR LAYOUT		
DRAWN: JRM	DWG NO. NL-0110	REV A
SCALE NTS	DATE 09/09/2019	SHEET 2 OF 5

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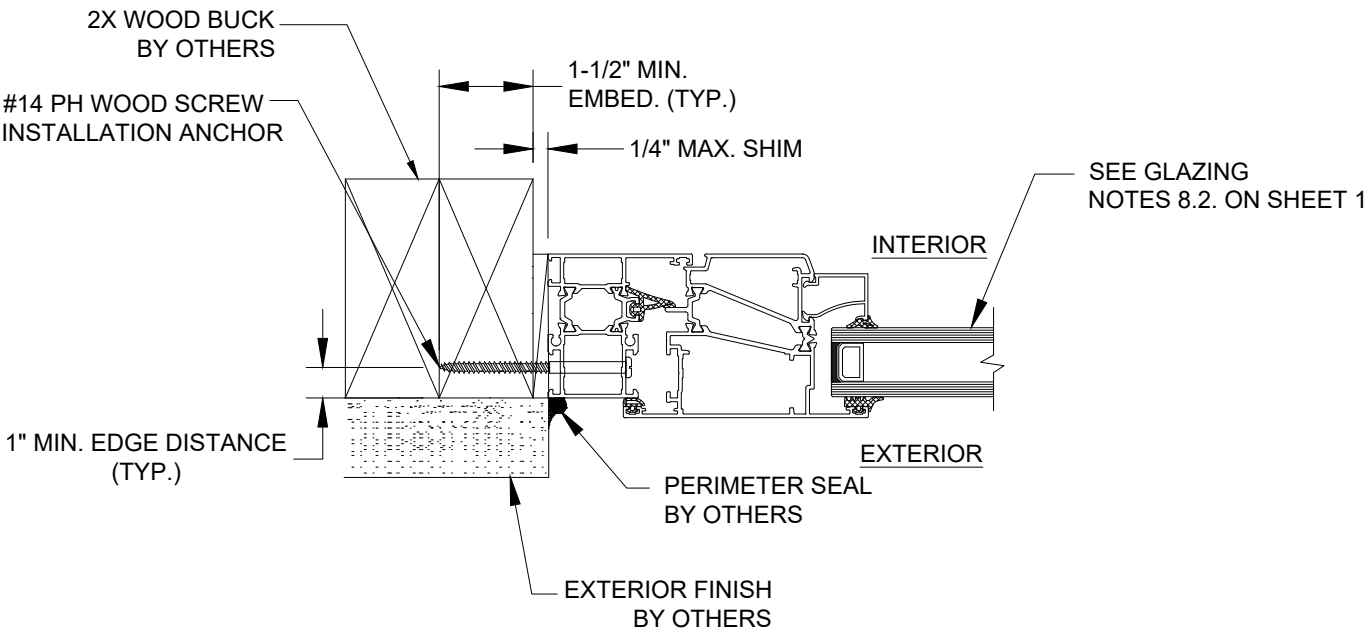
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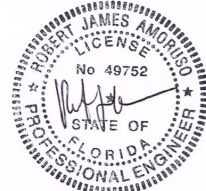
A
3 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
EQUAL LEG FRAME TYPE



B
3 **HORIZONTAL SECTION**
WOOD FRAME SUBSTRATE
EQUAL LEG FRAME TYPE

SUNSET WINDOWS & DOORS 910 WHAREHOUSE ROAD, SUITE 110104 ORLANDO, FLORIDA 32803		
SERIES AL-580 SINGLE ENTRY DOOR (X) ALUMINUM T.B. NON-IMPACT INSTALLATION DETAILS-WOOD FRAME		
DRAWN: JRM	DWG NO. NL-0110	REV A
SCALE NTS	DATE 09/09/2019	SHEET 3 OF 5

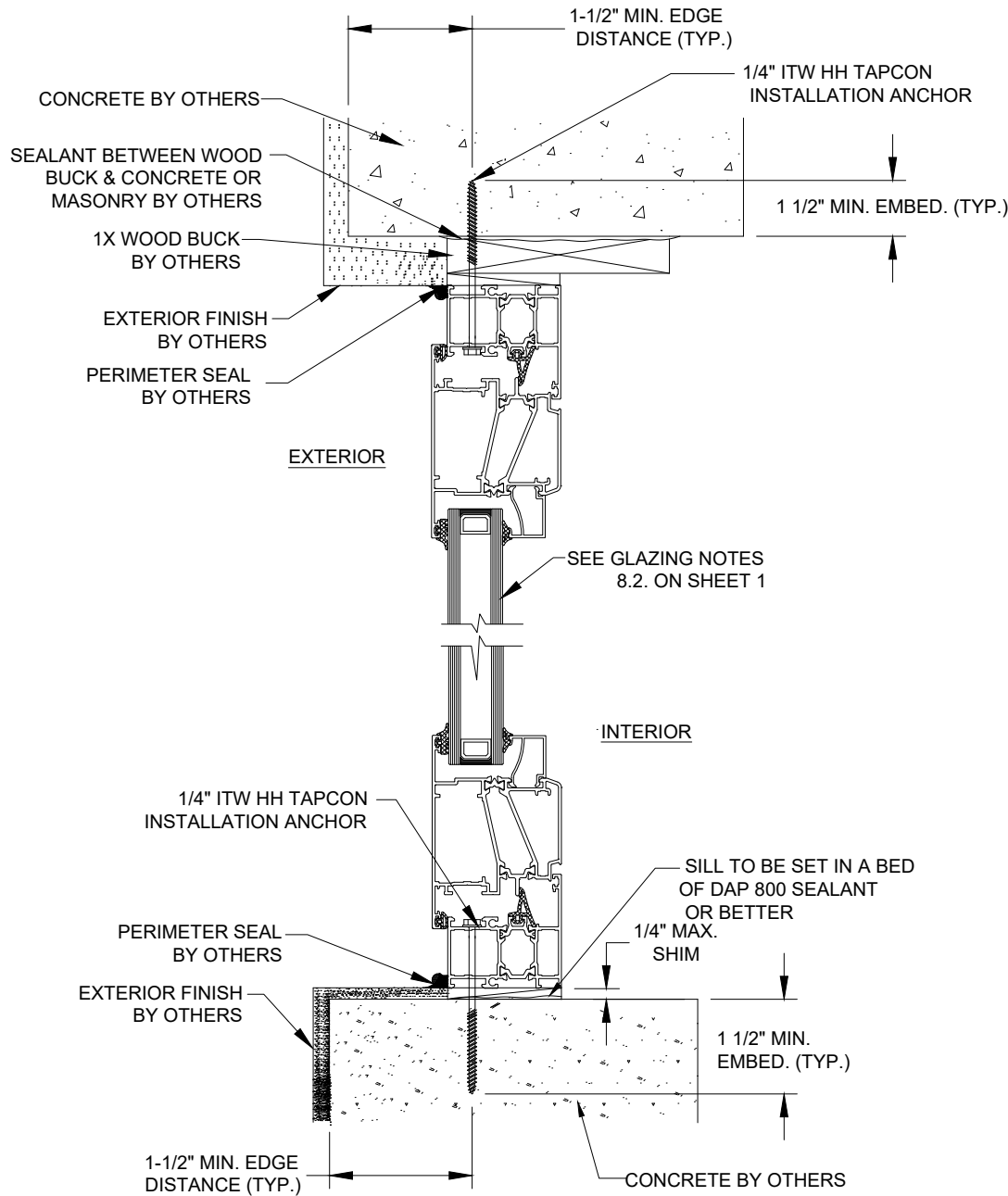
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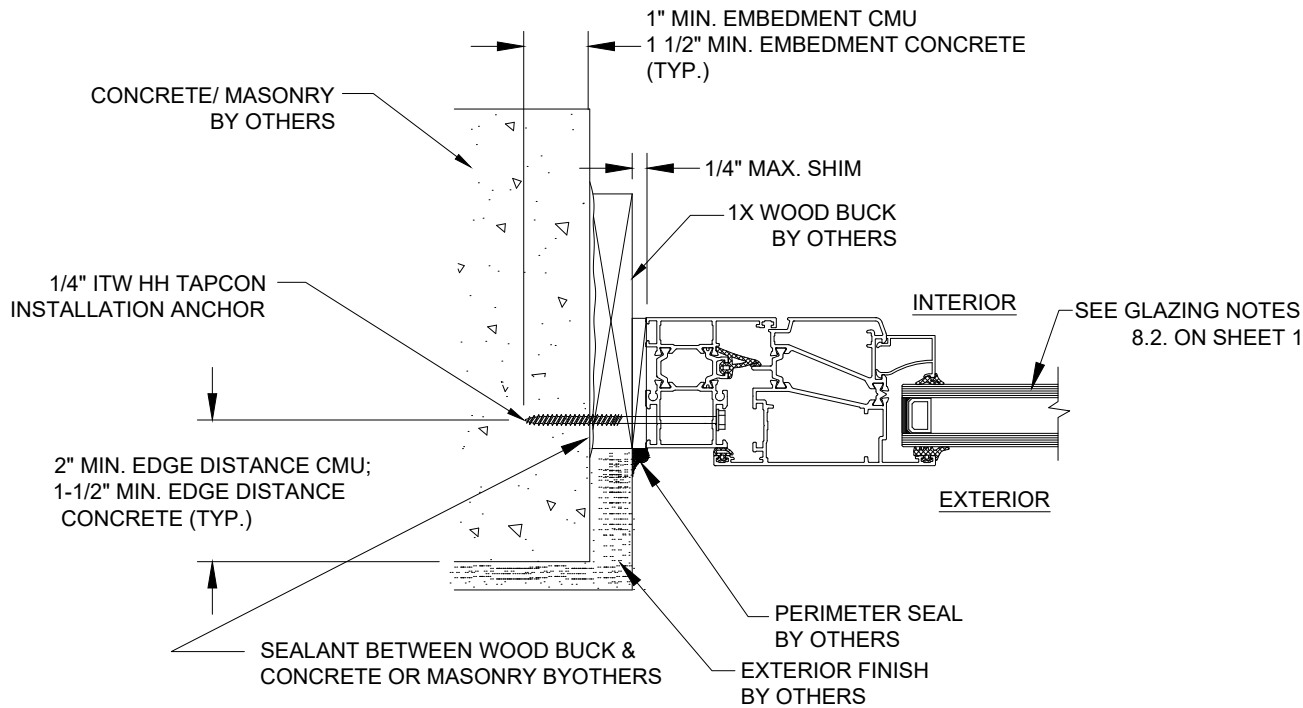
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rjaengpe@gmail.com

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



A
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
EQUAL LEG FRAME TYPE



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

SUNSET WINDOWS & DOORS 910 WHAREHOUSE ROAD, SUITE 110104 ORLANDO, FLORIDA 32803		
SERIES AL-580 SINGLE ENTRY DOOR (X) ALUMINUM T.B. NON-IMPACT INSTALLATION-MASONRY/CONCRETE		
DRAWN: JRM	DWG NO. NL-0110	REV A
SCALE NTS	DATE 09/09/2019	SHEET 4 OF 5

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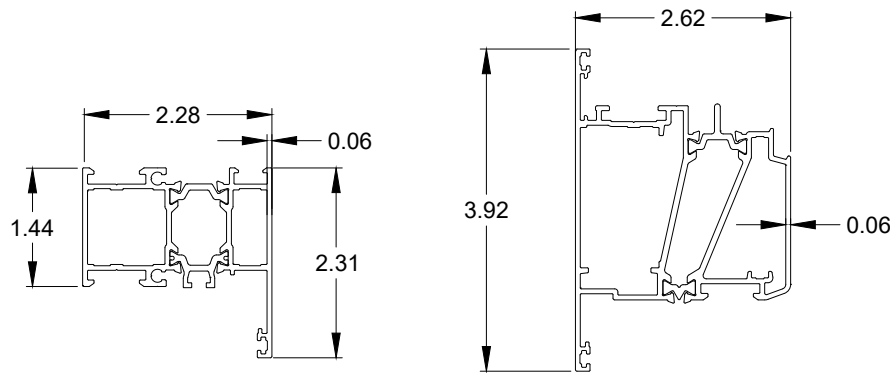
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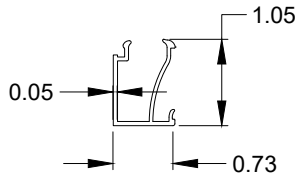
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	58T-102-15	MAIN FRAME HEAD, ALUMINUM 6063-T5	SUNSET
2	58T-205-15	SASH, ALUMINUM 6063-T5	SUNSET
3	08-108-00	1.00" I.G. O.A GLAZING BEAD, ALUM. 6063 T5	SUNSET
4	-----	FRAME EXTERIOR THERMAL-STRUT-COMPOSITE	SUNSET
5	-----	FRAME INTERIOR THERMAL-STRUT-COMPOSITE	PURCHASE
6	-----	SASH WSTP GASKET-RIGID VINYL	PURCHASE
7	-----	FRAME WSTP GASKET-RIGID VINYL	PURCHASE
8	-----	SASH INTERIOR THERMAL-STRUT-COMPOSITE	PURCHASE
9	-----	SASH EXTERIOR THERMAL-STRUT-COMPOSITE	PURCHASE
10	-----	EXTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
11	-----	INTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
12	-----	#10 PH S.M.S.	PURCHASE
13	-----	#14 PH WOOD SCREW	PURCHASE
14	-----	1/4" DIAM. I.T.W. MASONRY ANCHOR	PURCHASE

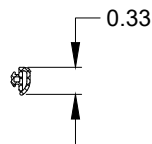


1 58T-102-15 MAIN FRAME
EQUAL LEG ALUMINUM 6063-T5

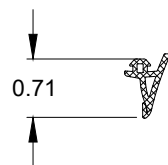
2 58T-205-15 MAIN FRAME
EQUAL LEG ALUMINUM 6063-T5



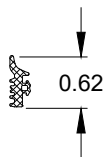
3 08-108-00 GLAZING BEAD
ALUMINUM 6063-T5



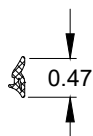
6 INTERIOR
SASH WSTP
RIGID VINYL



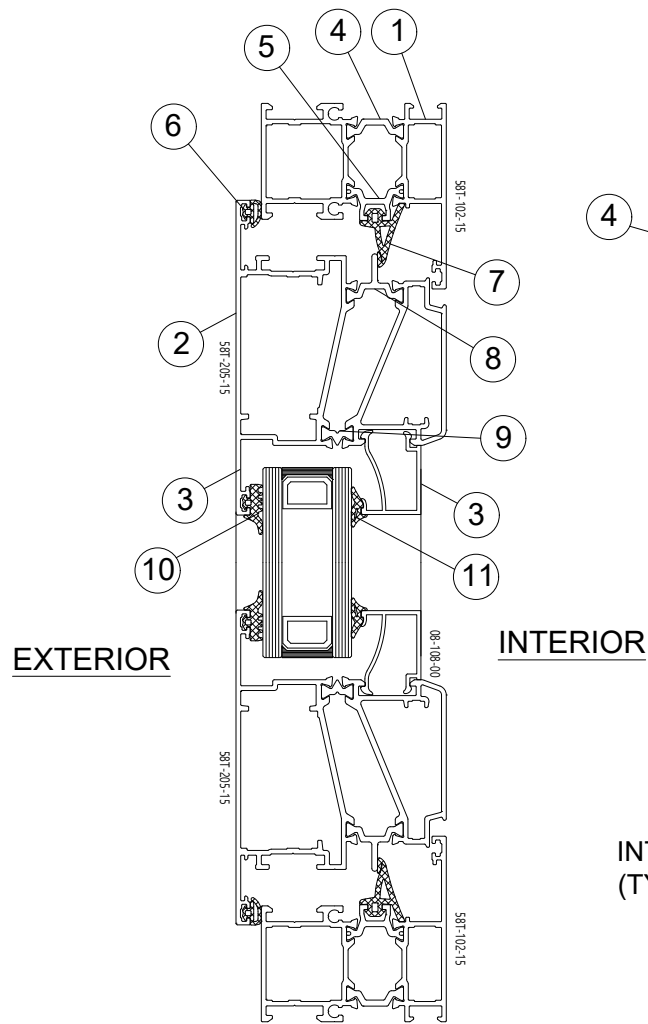
7 EXTERIOR
FRAME WSTP
RIGID VINYL



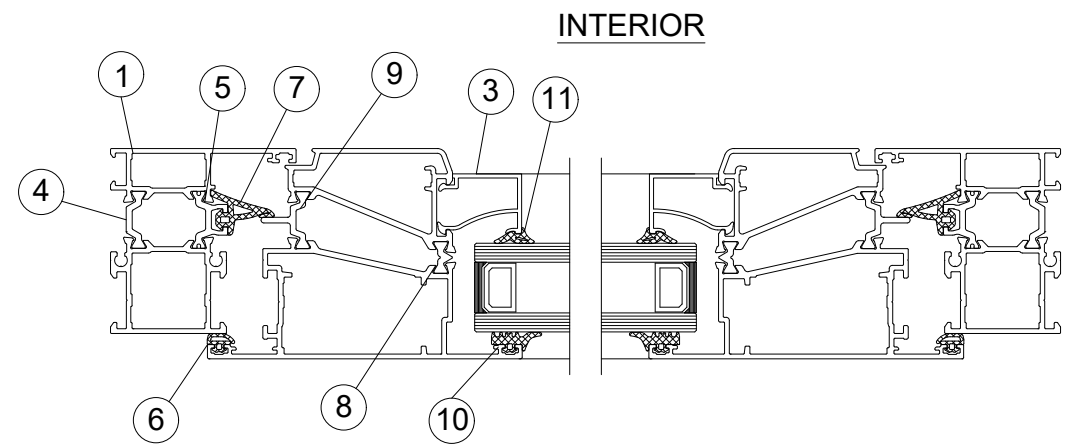
10 EXTERIOR GLAZING WEDGE
RIGID VINYL



11 INTERIOR GLAZING WEDGE
RIGID VINYL

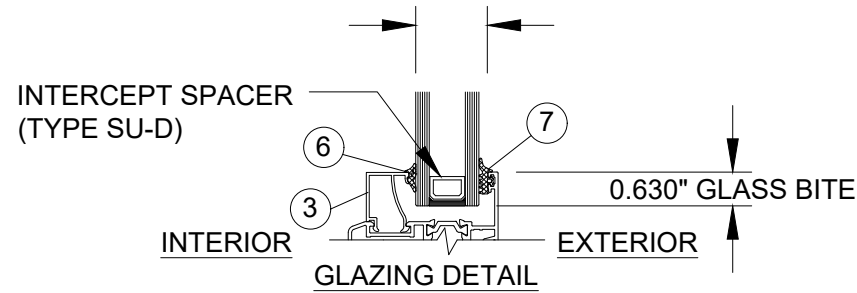


**TYPICAL CROSS SECTION FOR PARTS
IDENTIFICATION EQUAL LEG FRAME**



**TYPICAL CROSS SECTION FOR PARTS
IDENTIFICATION EQUAL LEG FRAME**

1.00" O.A. INSULATED GLASS CONSISTING OF:
EXT. 1/4" TEMP. GLASS, 1/2" AIR-SPACER,
1/4" TEMP. GLASS INT.



GLAZING NOTES:
1. INTERIOR GLAZED WITH FOAM TAPE-BACKBEDDING AND
SNAP IN ALUMINUM GLAZING BEAD (ITEM NO. 3)
2. INTERIOR (ITEM NO. 6) AND EXTERIOR (ITEM NO. 7)
GLAZING WEDGES.

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ALUMINUM T.B. NON-IMPACT
B.O.M./COMP. & GLAZING DETAILS

DRAWN: JRM	DWG NO. NL-0110	REV A
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