

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/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. FRAME MATERIAL: EXTRUDED RIGID PVC.
5. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR GLASS DETAILS.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
7. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
8. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
9. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. ALL FASTENERS TO BE CORROSION RESISTANT.
12. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 – 2	ELEVATION, ANCHORING AND NOTES
3	CROSS SECTIONS, GLAZING DETAIL AND B.O.M.
4 – 6	INSTALLATION DETAILS
7	COMPONENTS

REVISIONS

REV	DESCRIPTION	DATE
A	REVISED INSTALL DETAILS	07/27/15
B	REVISED GLAZING DETAIL	08/28/26

VIVINCO, INC.

MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

S-SERIES IMPACT AW/FIX STACKED
COMBINATION ASSEMBLY 60" X 72"

NOTES

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIANLANTIC, FL 32903
434-688-0609 rlomas@rlomaspe.com

DWG NO.
08-01474B

SHEET
1 OF 7

SCALE NTS

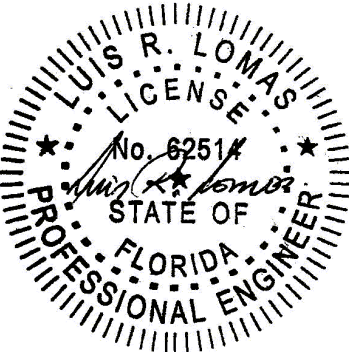
REV -

FPA -

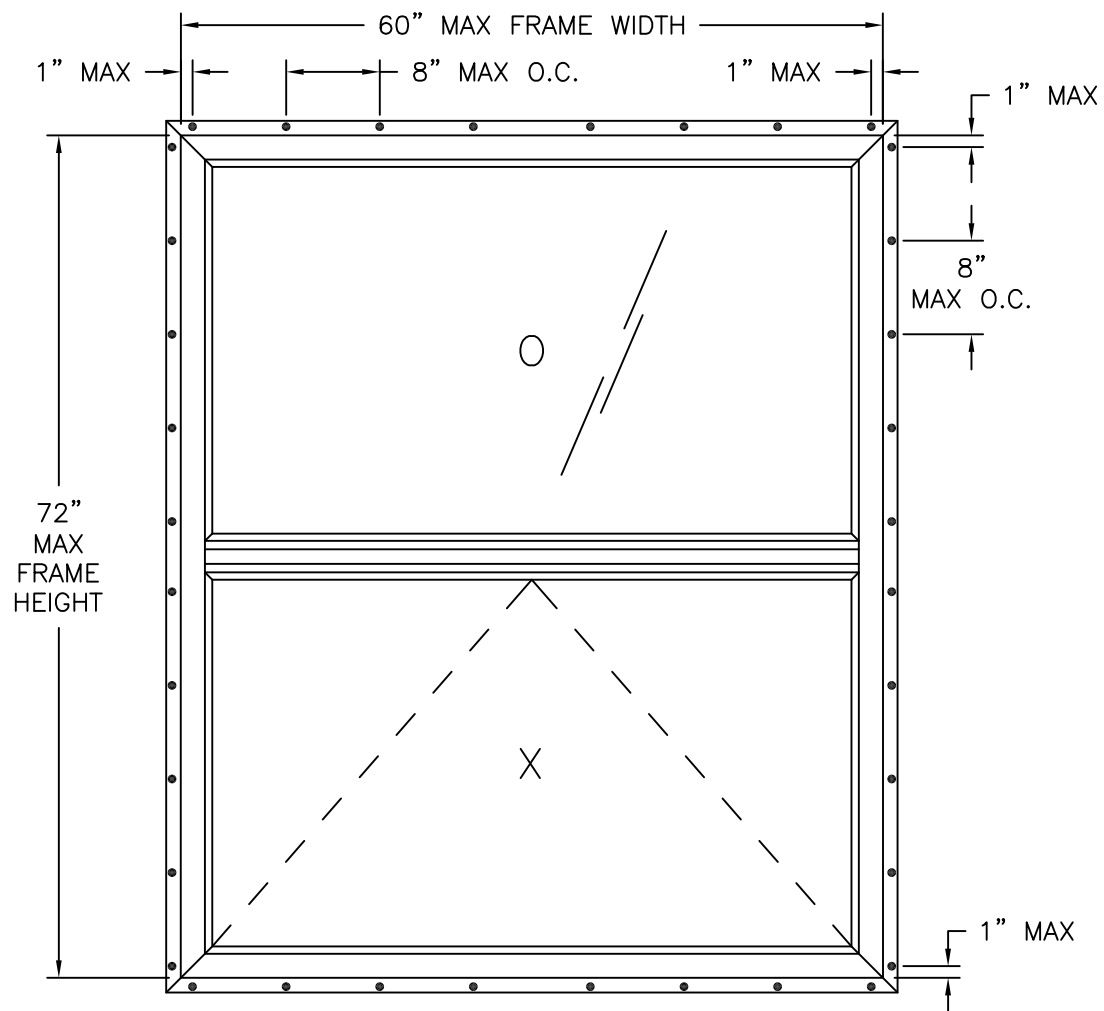
DRAWN A.S.

DATE: 04/13/12

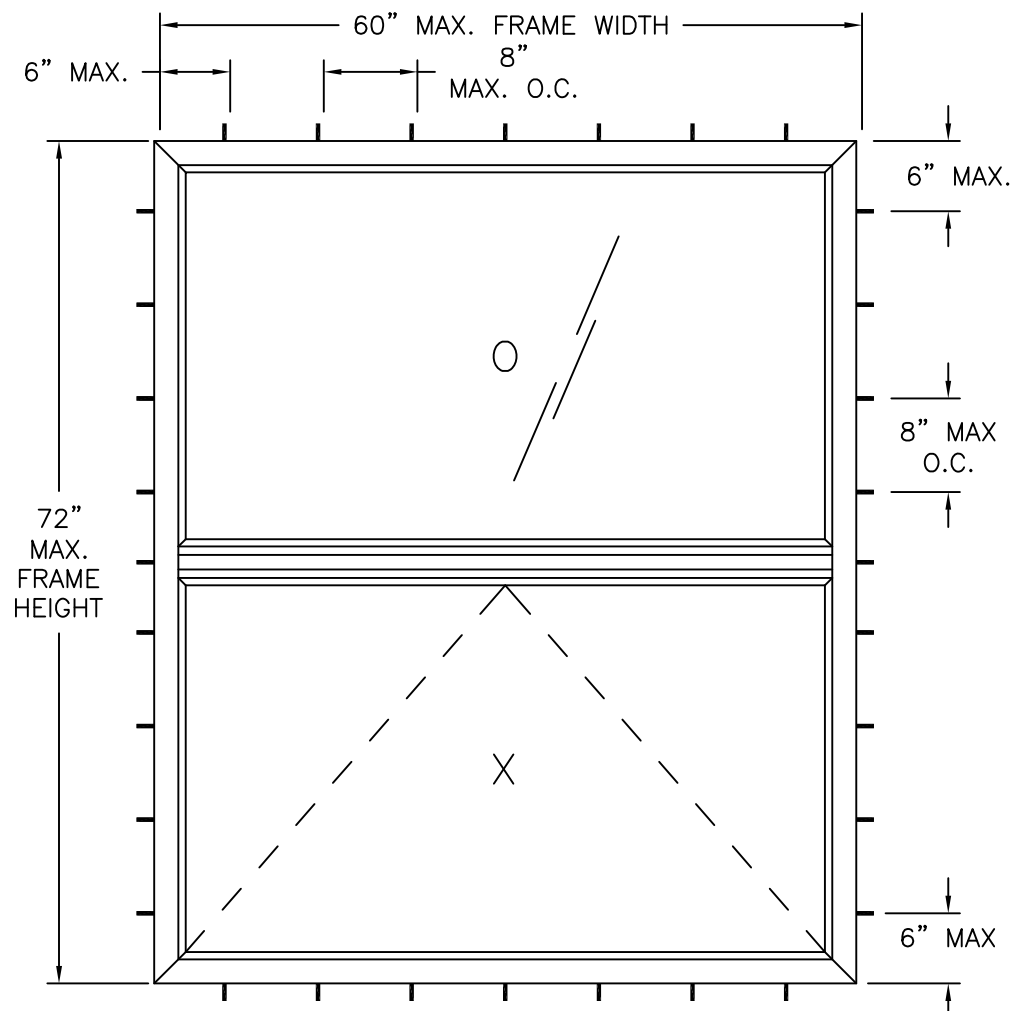
SIGNED: 08/28/2026



Luis R. Lomas P.E.
FL No.: 62514



S-SERIES IMPACT AW/FIX STACKED COMBINATION ASSEMBLY
EXTERIOR VIEW
FIN INSTALLATION



S-SERIES IMPACT AW/FIX STACKED COMBINATION ASSEMBLY
EXTERIOR VIEW
FRAME FLUSH INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

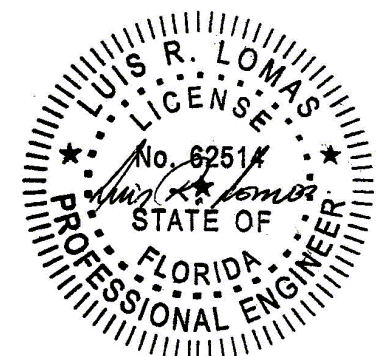
MISSILE LEVEL D, WIND ZONE 3

REVISIONS		DATE
REV	DESCRIPTION	
A	REVISED INSTALL DETAILS	07/27/15
B	REVISED GLAZING DETAIL	08/28/26

VIVINCO, INC. MORGANTOWN BUSINESS PARK, P.O. BOX 499 MORGANTOWN, PA 19543		S-SERIES IMPACT AW/FIX STACKED COMBINATION ASSEMBLY 60" X 72" ELEVATIONS		L. ROBERTO LOMAS P.E. 208 7th Ave, INDIANLANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com	
---	--	--	--	--	--

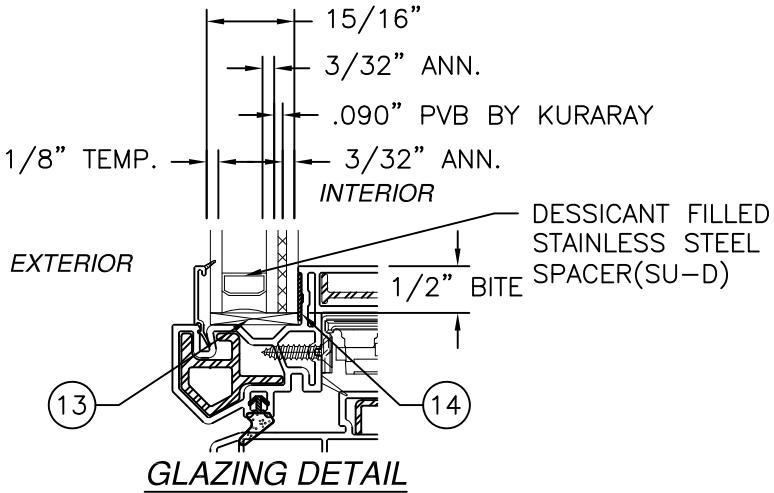
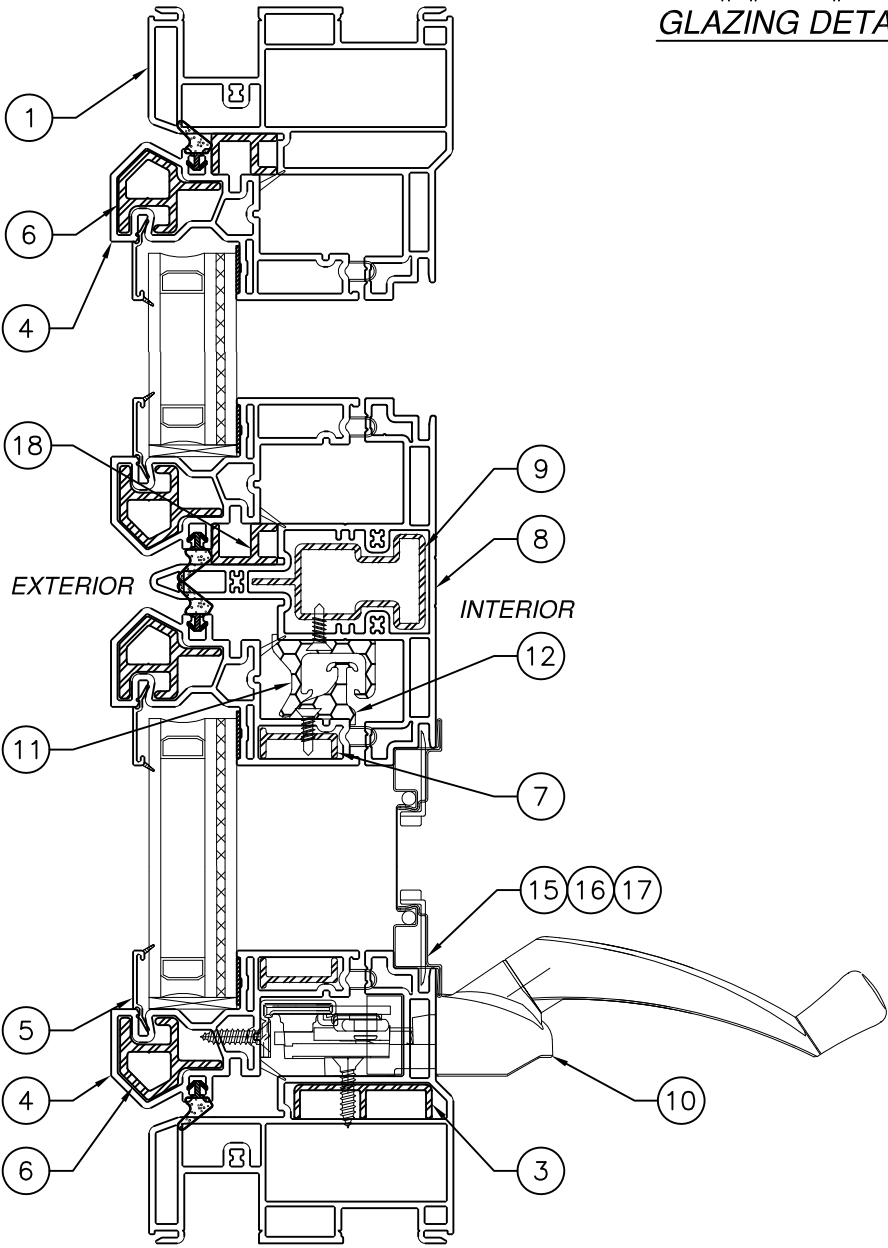
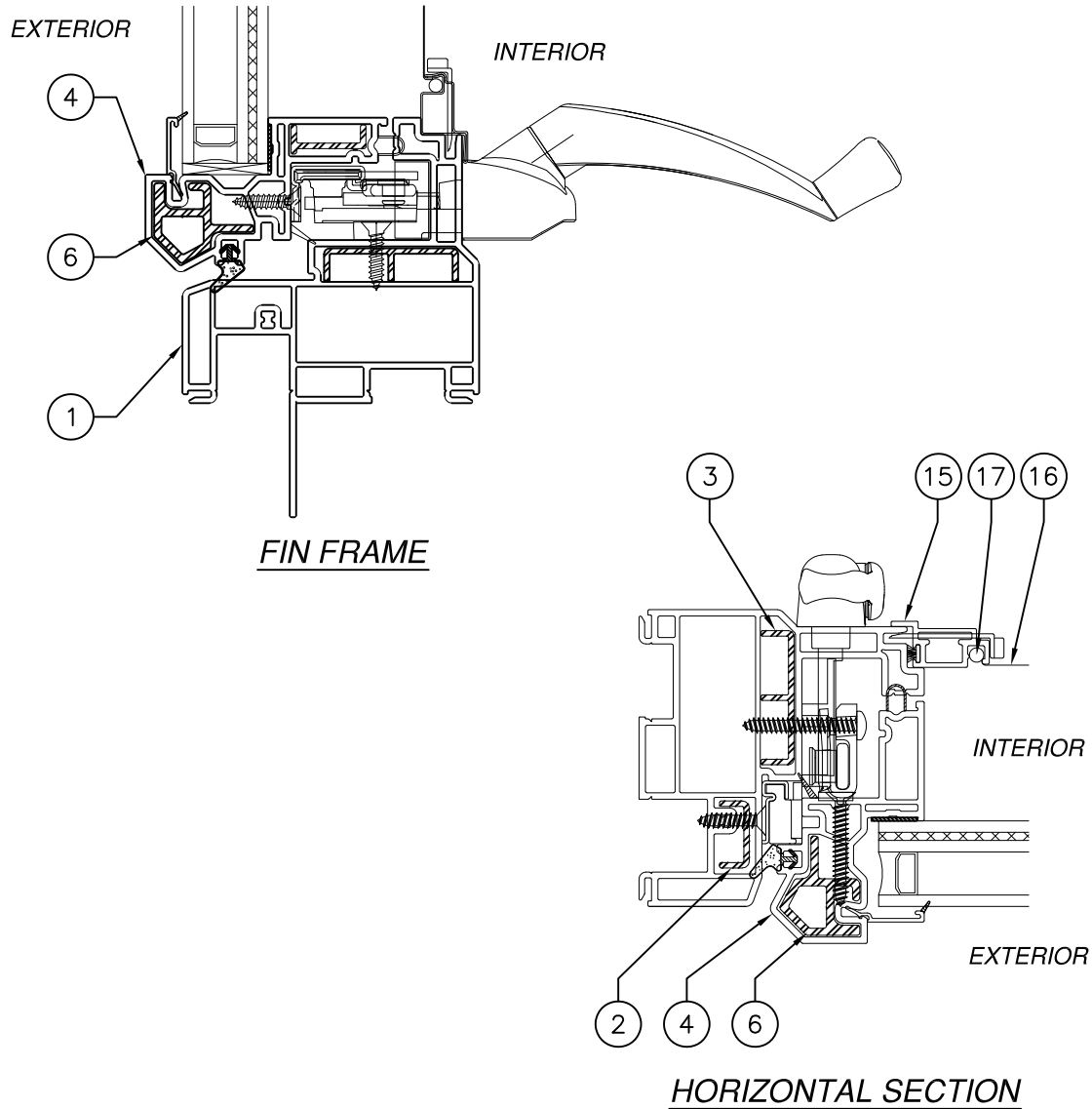
DWG NO. 08-01474B		SHEET 2 OF 7	
SCALE NTS	REV -	FPA -	
DRAWN A.S.		DATE: 04/13/12	

SIGNED: 08/28/2026



Luis R. Lomas P.E.
FL No.: 62514

ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	8925	FRAME	DECEUNINCK	PVC
2	6180	UNDER HINGE ALUM REINFORCEMENT	PENNEX	ALUMINUM 6105-T5
3	6182	UNDER OPERATOR ALUM REINFORCEMENT	PENNEX	ALUMINUM 6105-T5
4	5434	SASH	DECEUNINCK	PVC
5	5144	GLAZING BEAD	DECEUNINCK	PVC
6	6170	SASH REINFORCEMENT	PENNEX	ALUMINUM 6105-T5
7	6190	SASH REINFORCEMENT	PENNEX	ALUMINUM 6105-T5
8	5739	ASTRAGAL FRAME	DECEUNINCK	PVC
9	10300028	ASTRAGAL REINFORCEMENT	PENNEX	ALUMINUM 6105-T5
10	6021HE	OPERATOR, ENCORE	TRUTH	DIE CAST
11	10300095	SNUBBER - FRAME	DECEUNINCK	ALUMINUM 6105-T5
12	10300094	SNUBBER - SASH	DECEUNINCK	ALUMINUM 6105-T5
13	7240T	SETTING BLOCK	TB PHILLY	PLASTIC
14	3462	SILICONE (INSTAGLAZE)	DOW	SILICONE
15	3215	SCREEN RAIL	HYGRADE	ALUMINUM 6105-T5
16	3270	FIBERGLASS SCREEN	PHIFER	FIBERGLASS
17	3260	SPLINE	DAPA	PLASTIC
18	1200	SPACER	DECEUNINCK	PVC



REVISIONS		DATE
REV	DESCRIPTION	
A	REVISED INSTALL DETAILS	07/27/15
B	REVISED GLAZING DETAIL	08/28/26

VIVINCO, INC.
MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

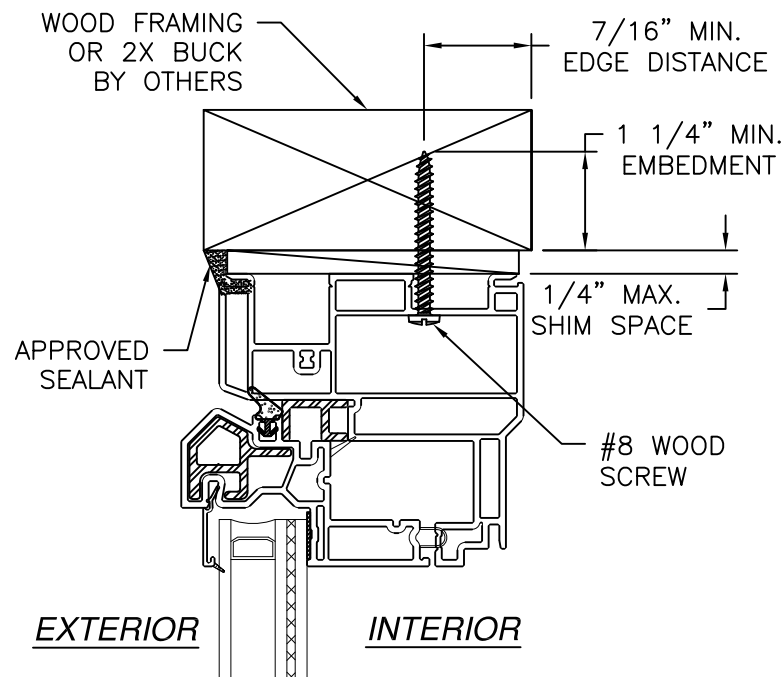
S-SERIES IMPACT AW/FIX STACKED
COMBINATION ASSEMBLY 60" X 72"
CROSS SECTIONS, B.O.M. & GLAZING DETAIL

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIANLANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

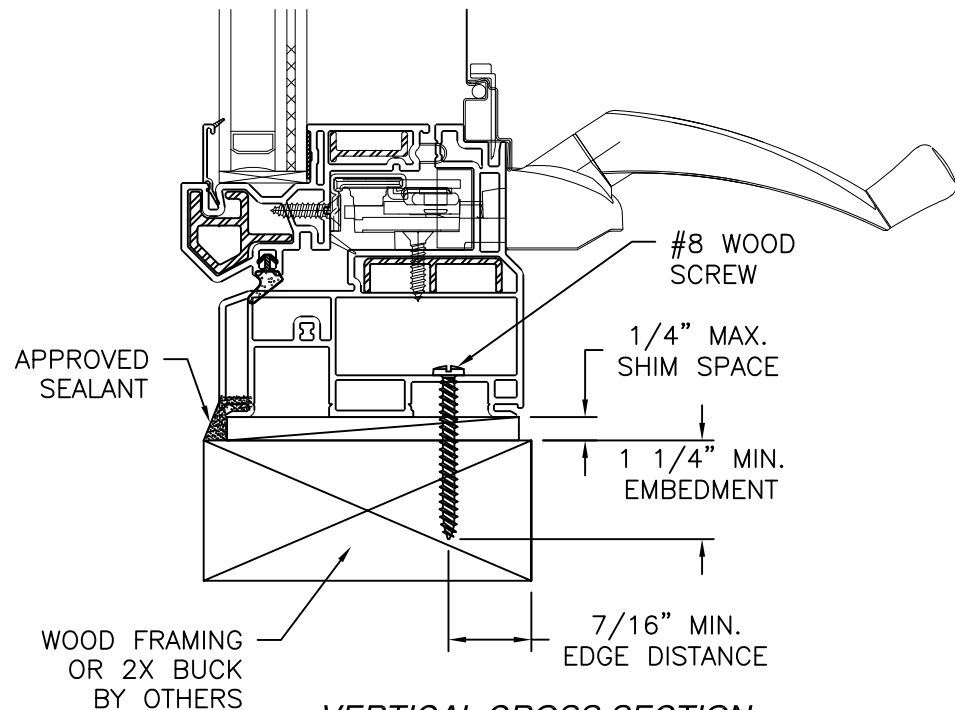
DWG NO. 08-01474B	SHEET 3 OF 7
SCALE NTS	REV - FPA -
DRAWN A.S.	DATE: 04/13/12

SIGNED: 08/28/2026

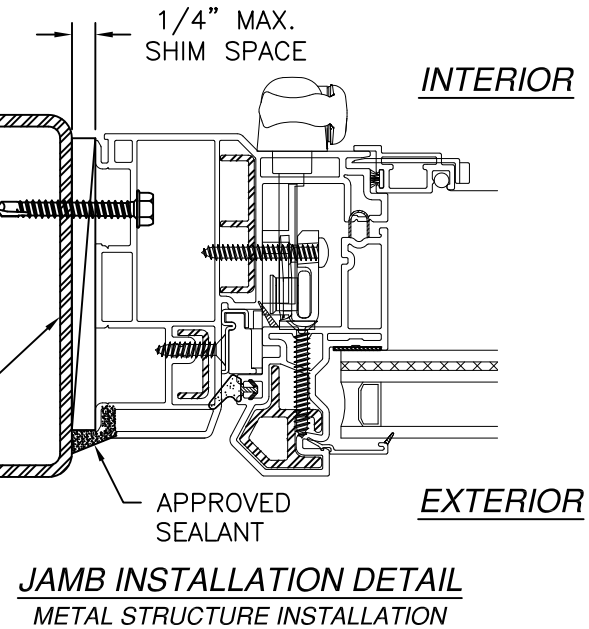
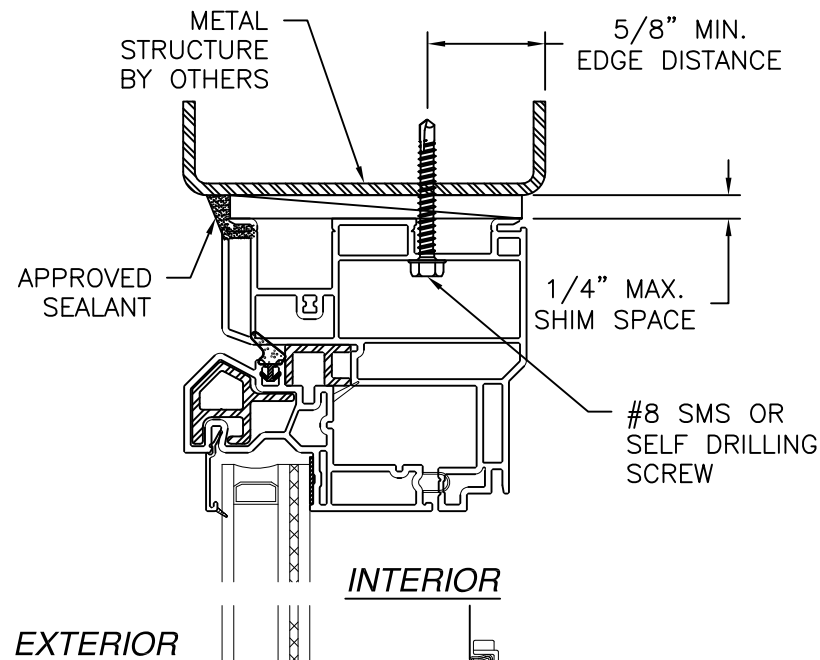
Luis R. Lomas P.E.
FL No.: 62514



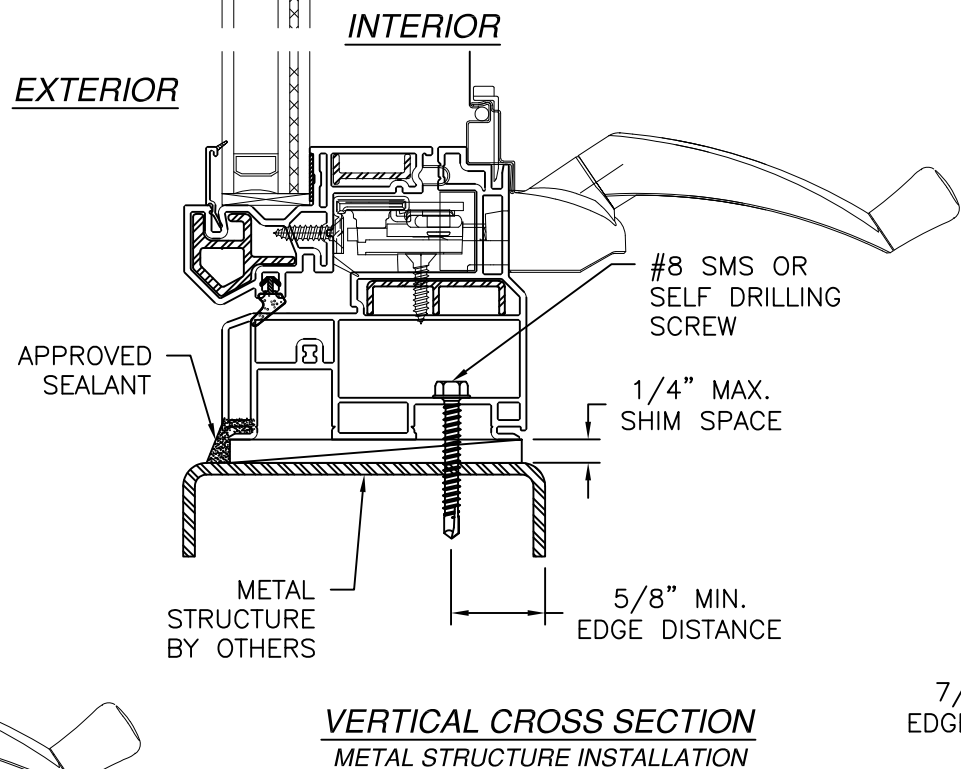
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



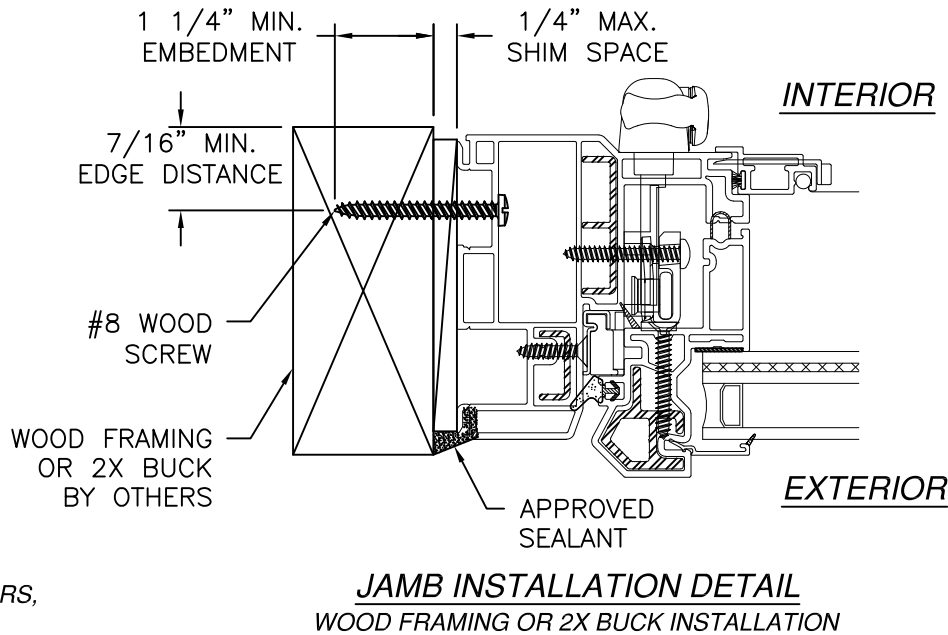
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS		DATE
REV	DESCRIPTION	
A	REVISED INSTALL DETAILS	07/27/15
B	REVISED GLAZING DETAIL	08/28/26

VIVINCO, INC.
MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

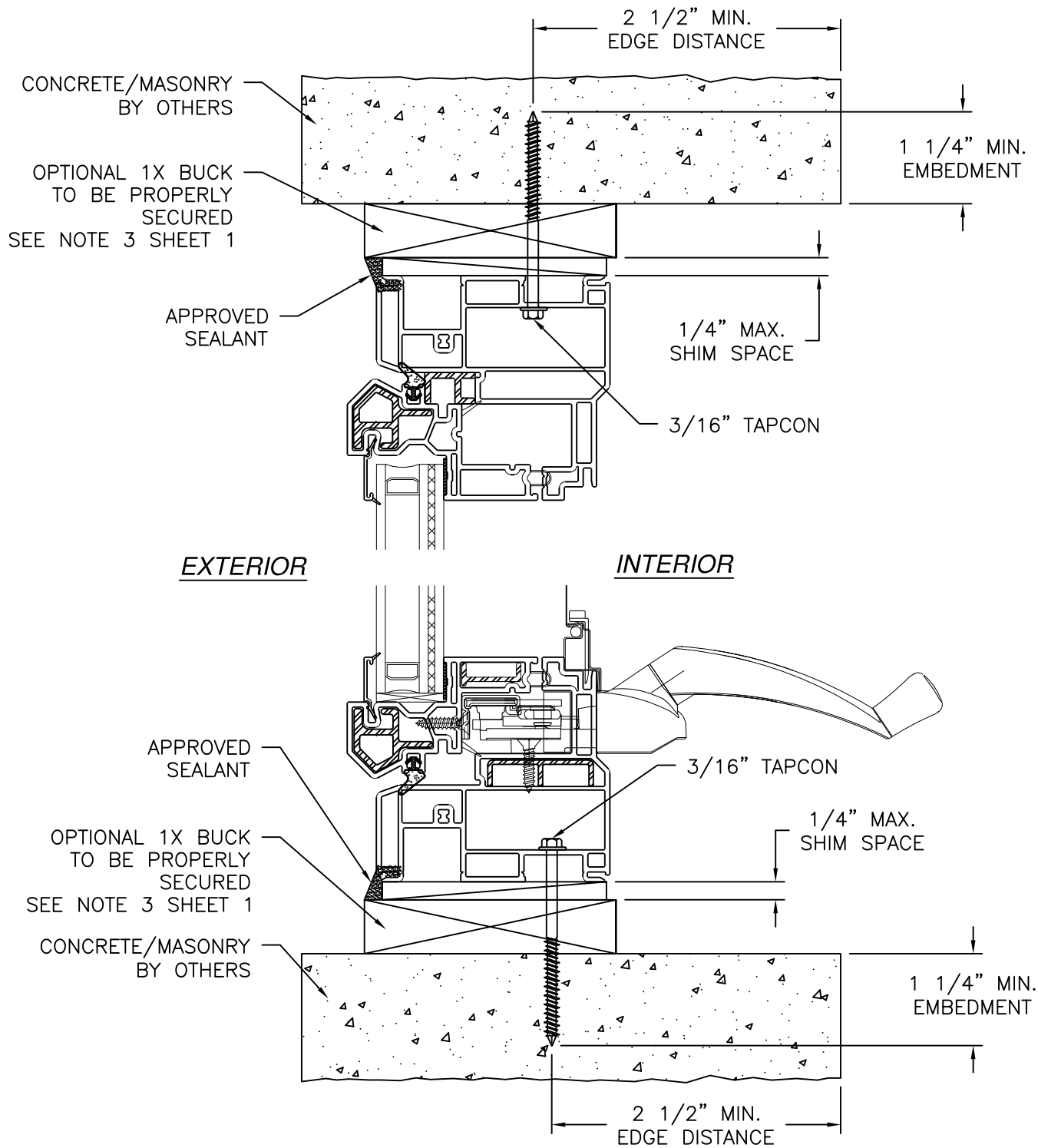
S-SERIES IMPACT AW/FIX STACKED COMBINATION ASSEMBLY 60" X 72" FRAME INSTALLATION DETAILS

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIANLANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

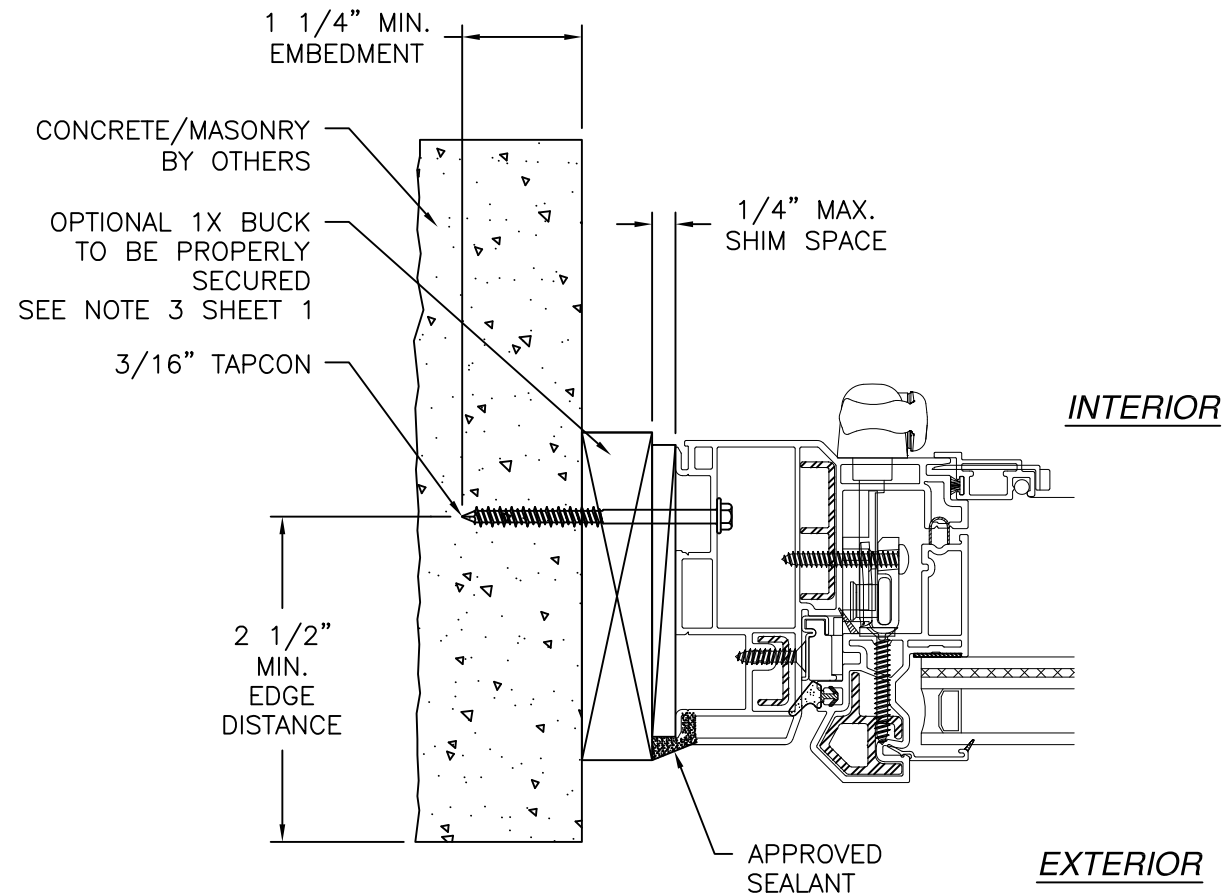
DWG NO. 08-01474B	SHEET 4 OF 7
SCALE NTS	REV - FPA -
DRAWN A.S.	DATE: 04/13/12

SIGNED: 08/28/2026

Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS		DATE
REV	DESCRIPTION	
A	REVISED INSTALL DETAILS	07/27/15
B	REVISED GLAZING DETAIL	08/28/26

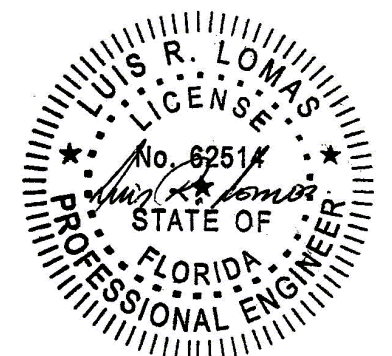
VIVINCO, INC.
MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

**S-SERIES IMPACT AW/FIX STACKED
COMBINATION ASSEMBLY 60" X 72"
FRAME INSTALLATION DETAILS**

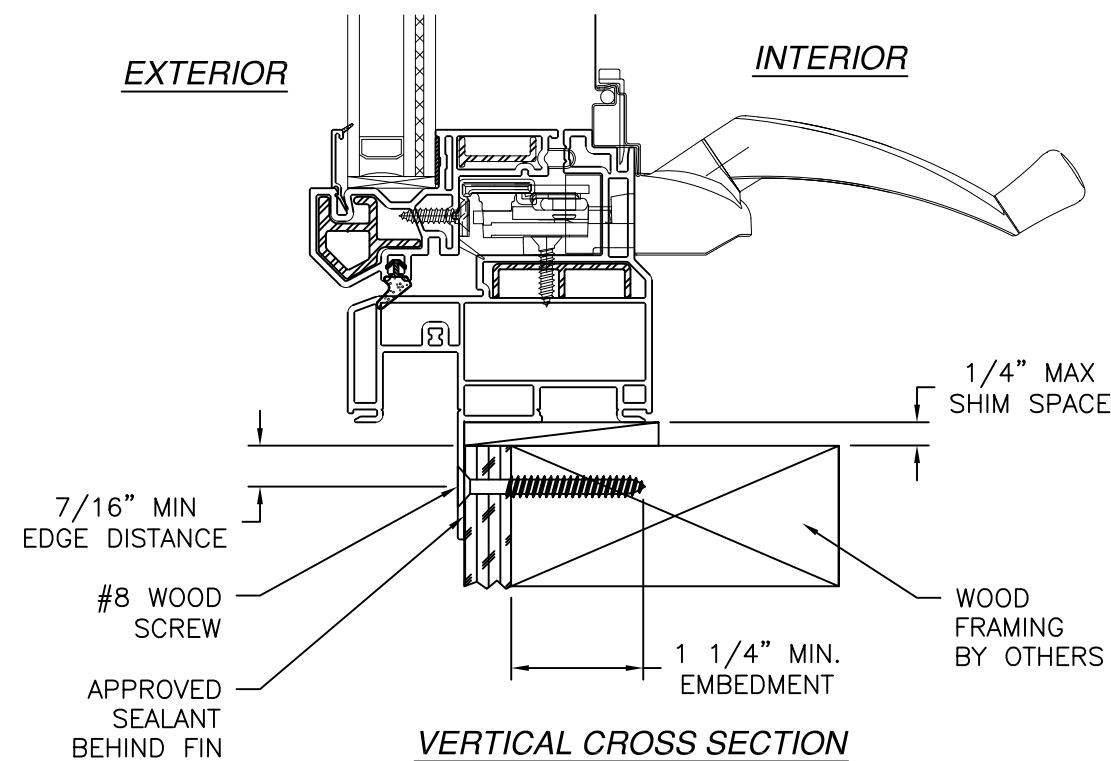
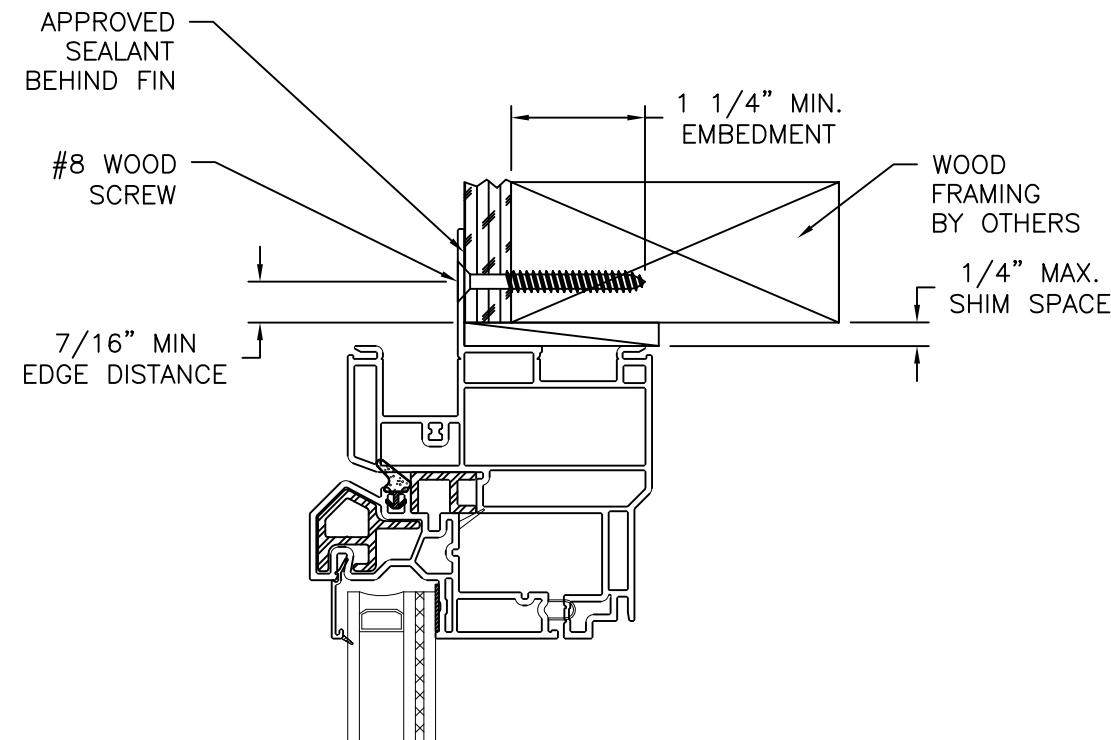
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIANLANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

DWG NO. 08-01474B	SHEET 5 OF 7
SCALE NTS	REV - FPA -
DRAWN A.S.	DATE: 04/13/12

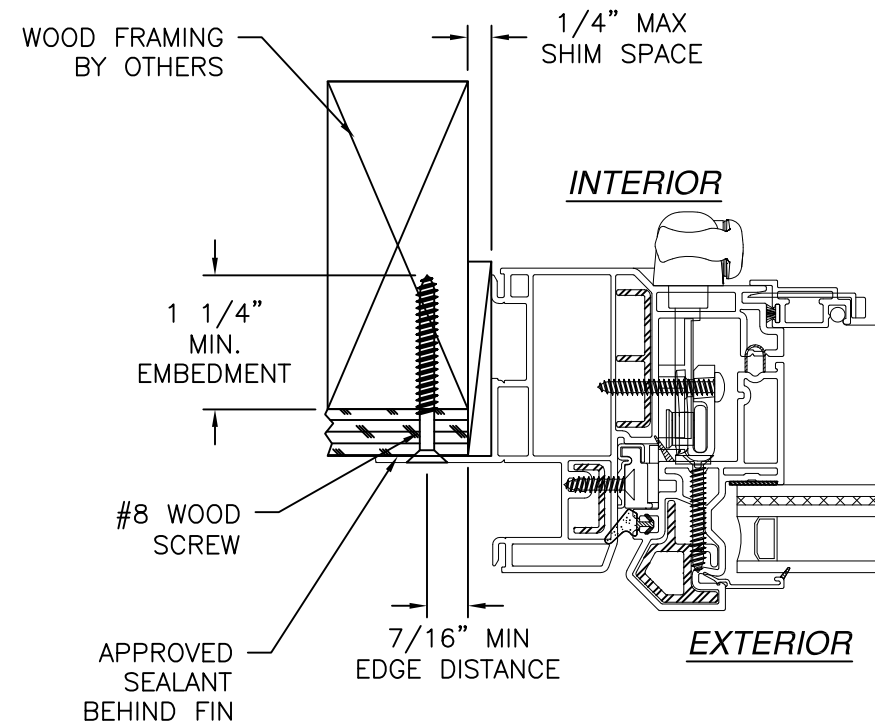
SIGNED: 08/28/2026



Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			DATE
REV	DESCRIPTION	DETAILS	
A	REVISED	INSTALL	07/27/15
B	REVISED	GLAZING	08/28/26

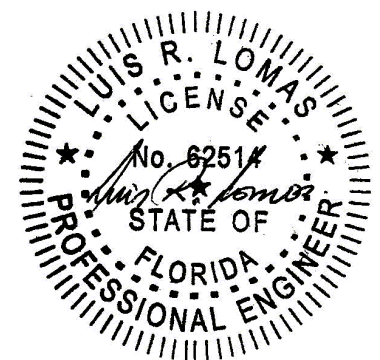
VIVINCO, INC.
MORGANTOWN BUSINESS PARK, P.O. BOX 499
MORGANTOWN, PA 19543

S-SERIES IMPACT AW/FIX STACKED
COMBINATION ASSEMBLY 60" X 72"
NAIL FIN INSTALLATION DETAILS

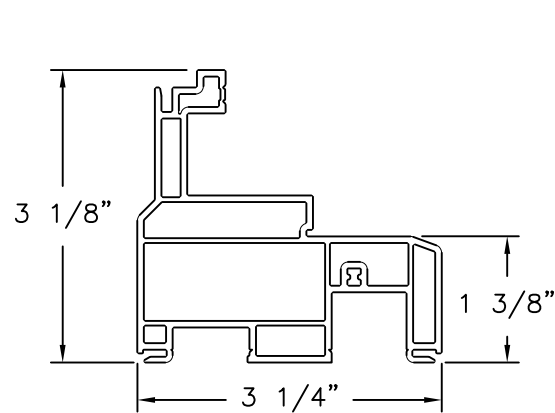
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rlomas@rlomaspe.com

DWG NO. 08-01474B	SHEET 6 OF 7
SCALE NTS	REV - FPA -
DRAWN A.S.	DATE: 04/13/12

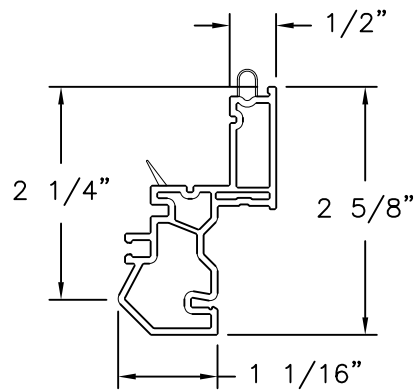
SIGNED: 08/28/2026



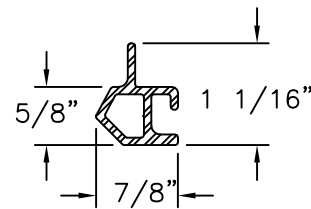
Luis R. Lomas P.E.
FL No.: 62514



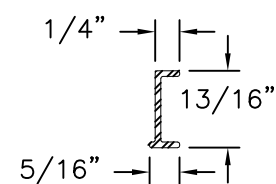
Frame
VINYL PVC .070 THICK



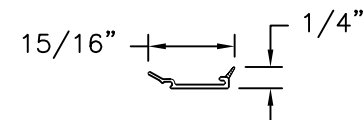
Sash
VINYL PVC .070 THICK



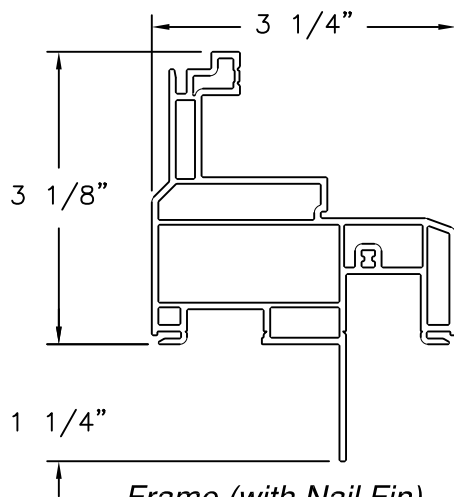
Sash Reinforcement
Aluminum 6105 T5, Anodized
.078 THICK



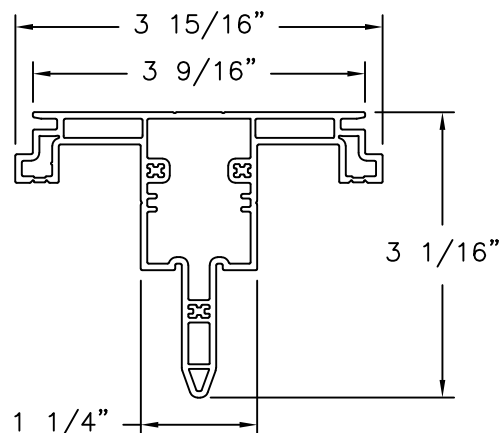
Sash Reinforcement
Aluminum 6105 T5, Anodized
.060 THICK



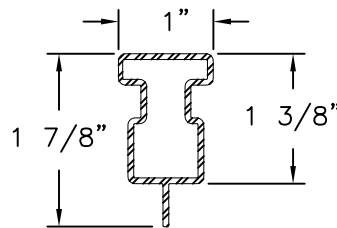
Glazing Bead
VINYL PVC .040 THICK



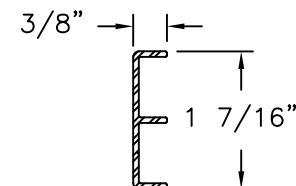
Frame (with Nail Fin)
VINYL PVC .070 THICK



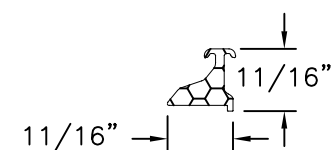
Astragal Frame
VINYL PVC .070 THICK



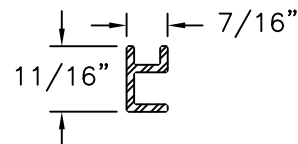
Astragal Reinforcement
Aluminum 6105 T5
.060 THICK



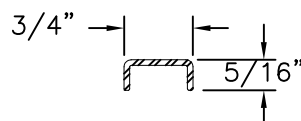
Under Operator Reinforcement
Aluminum 6105 T5
.060 THICK



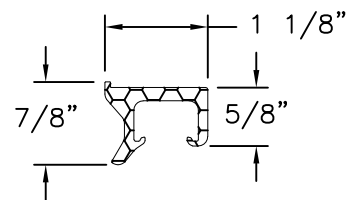
Snubber - Sash
Aluminum 6105 T5
.092 THICK



Spacer
VINYL PVC .080 THICK



Under Hinge Reinforcement
Aluminum 6105 T5, Anodized
.060 THICK



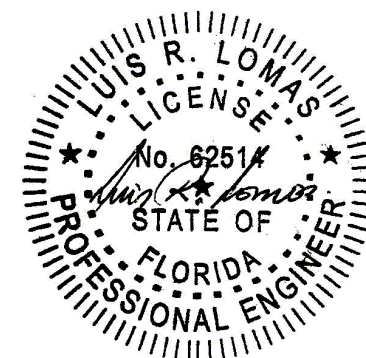
Snubber - Frame
Aluminum 6105 T5, Anodized
.100 THICK

REV		DESCRIPTION		DATE	
A		REVISED INSTALL DETAILS		07/27/15	
B		REVISED GLAZING DETAIL		08/28/26	

VIVINCO, INC. MORGANTOWN BUSINESS PARK, P.O. BOX 499 MORGANTOWN, PA 19543		S-SERIES IMPACT AW/FIX STACKED COMBINATION ASSEMBLY 60" X 72" COMPONENTS		L. ROBERTO LOMAS P.E. 208 7th Ave, INDIANANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com	
---	--	--	--	--	--

DWG NO. 08-01474B		SHEET 7 OF 7	
SCALE NTS	REV -	FPA -	
DRAWN A.S.		DATE: 04/13/12	

SIGNED: 08/28/2026



Luis R. Lomas P.E.
FL No.: 62514