

ECO GLASS LLC

SERIES "NOVA" HORIZONTAL SLIDING WINDOW

INSTALLATION ANCHORAGE DETAILS

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/A440-17 DOCUMENTED IN TEST REPORT NO. T21-066 BY FENESTRATION TESTING LABORATORY, INC..
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. 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 REQUIRED:
6. MATERIALS:

6.1. FRAME: RIGID VINYL
7. GLAZING: INSULATING GLASS UNIT

7.1. SASH GLAZING CONFIGURATION

7.1.1. 20 MM (0.8") O.A. THICKNESS

7.1.2. GLASS THICKNESS 3MM (1/8") ANNEALED

7.1.3. AIR GAP 14 MM (0.55")

7.2. FIXED LITE GLAZING CONFIGURATION

7.2.1. 19 MM (0.75") O.A. THICKNESS

7.2.2. GLASS THICKNESS 5MM (3/16") ANNEALED

7.2.3. AIR GAP 14 MM (0.375")

7.3. GLAZING METHOD

7.3.1. OUTSIDE GLAZED: DOUBLE-SIDED ADHESIVE FOAM TAPE. SETTING BLOCK 1/8" HIGH WERE SET AT QUARTER POINTS ON THE BOTTOM RAIL FOR THE ACTIVE SASHES AND ON THE SILL OF THE FIXED LITE. PVC SNAP-IN GLAZING STOP APPLIED FULL PERIMETER ON THE OUTSIDE OF THE IGU.

7.4. OVERALL (O.A.) THICKNESS AND AIR GAP CAN VARY BASED ON SPACER USED AND WILL NOT AFFECT GLAZING STRENGTH.

7.5. FOR PRODUCTS SMALLER THAN THE TESTED SPECIMEN, GLAZING IS PERMITTED TO BE THINNER AND/OR WEAKER THAN THAT SHOWN IN GENERAL NOTE 7.1 IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.3.1.

7.5.1. IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.4.1, PRODUCTS TESTED WITH INSULATING GLAZING SHALL NOT QUALIFY THAT PRODUCT WHEN GLAZED WITH SINGLE GLAZING.

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

8. PANEL OPERABILITY DESIGNATIONS: X = OPERABLE AND O = FIXED

9. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DETAILED IN ACCORDANCE WITH THE FBC, RESIDENTIAL AND BUILDING VOLUMES AND WITH FMA/AAMA/WDMA PROTOCOLS. PERIMETER AND JOINT SEALANT IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT PART OF THIS PRODUCT APPROVAL DOCUMENT.

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5	COMPONENTS - BILL OF MATERIALS
6	COMPONENTS - ELEVATION, HORIZONTAL AND VERTICAL SECTIONS

INSTALLATION NOTES:

1. INSTALL ONE (1) ANCHOR AS INDICATED IN THE SECTION DETAILS ON SHEETS 3 AND 4 AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 2.

1.1. LOCATION TOLERANCE IS +/- 1/2".

1.2. FOR WINDOWS SMALLER THAN THAT SHOWN IN SHEET 2 ELEVATION, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING THE ANCHOR SPACING AND EDGE DISTANCE SHOWN.
2. 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".
3. SEE INSTALLATION ANCHOR SCHEDULE ON THIS SHEET FOR ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS.

3.1. INSTALLATION ANCHORS SHALL BE CORROSION RESISTANT OR HAVE CORROSION RESISTANT COATING.

3.2. SEE INSTALLATION NOTE 4 FOR MINIMUM SUBSTRATE PROPERTIES.
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).

4.4. STEEL STUD - STRENGTH CONFORMING TO MIN. Fu = 33 KSI AND Ft = 45 KSI. MINIMUM THICKNESS 20 GA.

PERFORMANCE RATING		
MAXIMUM WINDOW SIZE (IN)	DESIGN PRESSURE RATING (PSF)	IMPACT RATING
156 X 60	25	NONE

INSTALLATION ANCHORAGE SCHEDULE			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED. (IN)	MIN. EDGE DIST. (IN)
WOOD (SG = 0.42 MIN.)	NO. 10 PAN HEAD WOOD SCREW, GR. 2 STRENGTH	1 3/8	3/4
CONCRETE (2.5 KSI MIN.)	3/16" HH ITW TAPCON	1 1/2	1 1/8
MASONRY (ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF)	3/16" HH ITW TAPCON	1	2
STEEL STUD, 20 GA OR GREATER THICKNESS, MIN. Fu = 33 ksi AND Ft = 45 ksi	NO. 10 SELF-DRILLING SHEET METAL SCREW	FULL THICKNESS OF MEMBER PLUS 3 FULL THREAD LENGTHS PAST INTERIOR	1/2

PROJECT NO. ACE-2021-118				BY
				DATE
				DESCRIPTION
				REV

ECO GLASS, LLC 144 HOPE STREET LONGWOOD, FL 32750	TITLE: SERIES "NOVA" HORIZONTAL SLIDING WINDOW INSTALLATION AND GENERAL NOTES	DRAWN BY: RJA	DATE: 7/23/21	DRAWING NO: EOGLASS015	SHEET: 1 OF 6
		SCALE: N.T.S.			
		REV: ---			
		ECO GLASS ADVANCED FLORIDA WINDOW SOLUTION 321-207-0507 info@vk-ecoglass.com			

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 49752

ROBERT JAMES AMORUSO

Digitally signed by Robert J Amoruso
Date: 2021.12.21 10:44:23 -05'00'

734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com

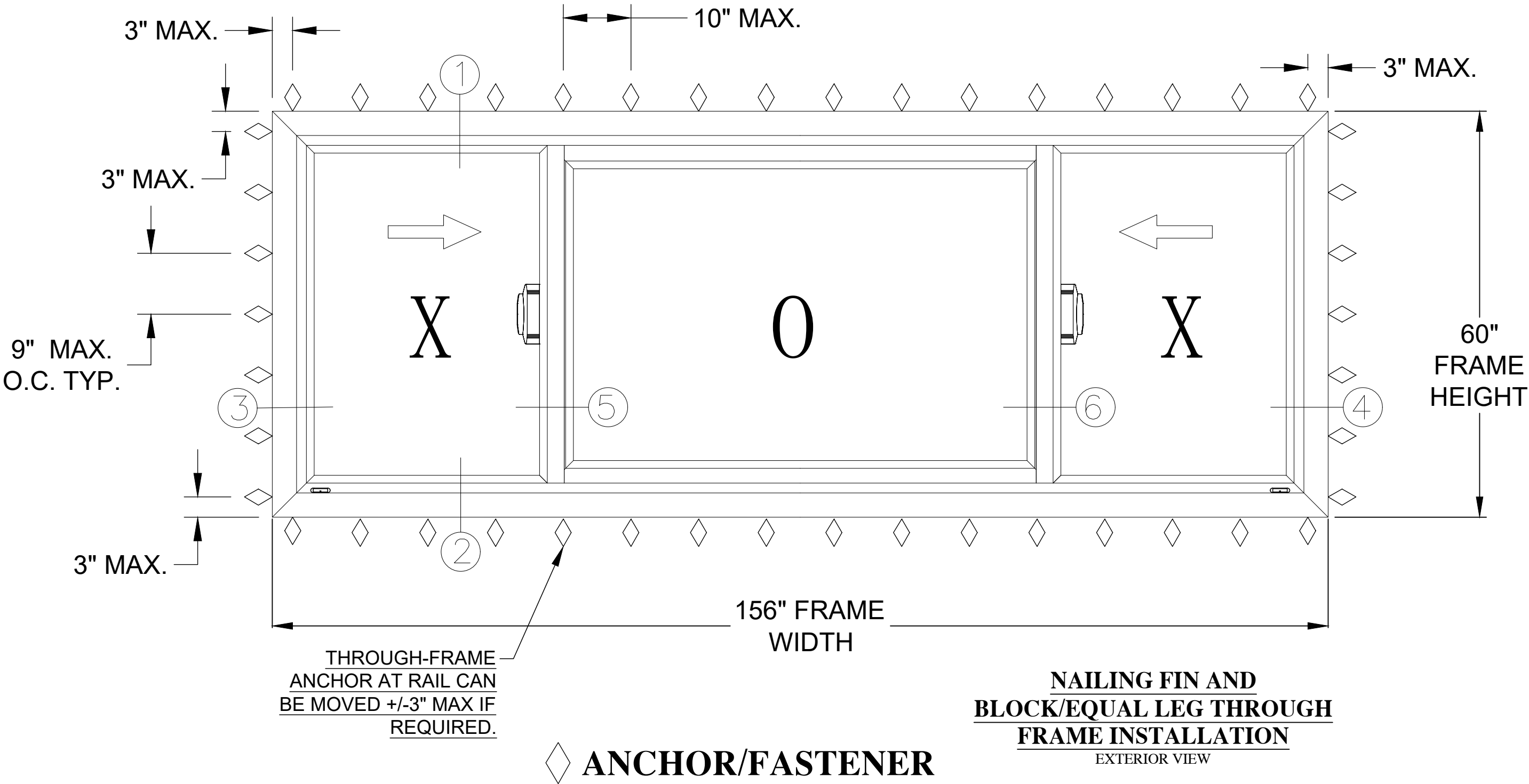
MAXIMUM SIZES	
FRAME	156" X 60"
SASH	38.06" X 57.63"
MAX. DLO	75.5" X 56.94"

SERIES "NOVA"

HORIZONTAL SLIDING

WINDOW

EXTERIOR VIEW



PROJECT NO. ACE-2021-118

				DATE	BY
				REV	

ECO GLASS, LLC
144 HOPE STREET
LONGWOOD, FL 32750

TITLE: SERIES "NOVA" HORIZONTAL SLIDING WINDOW
EXTERIOR ELEVATION AND ANCHORAGE

DRAWN BY: RJA
SCALE: N.T.S.
REV: ---

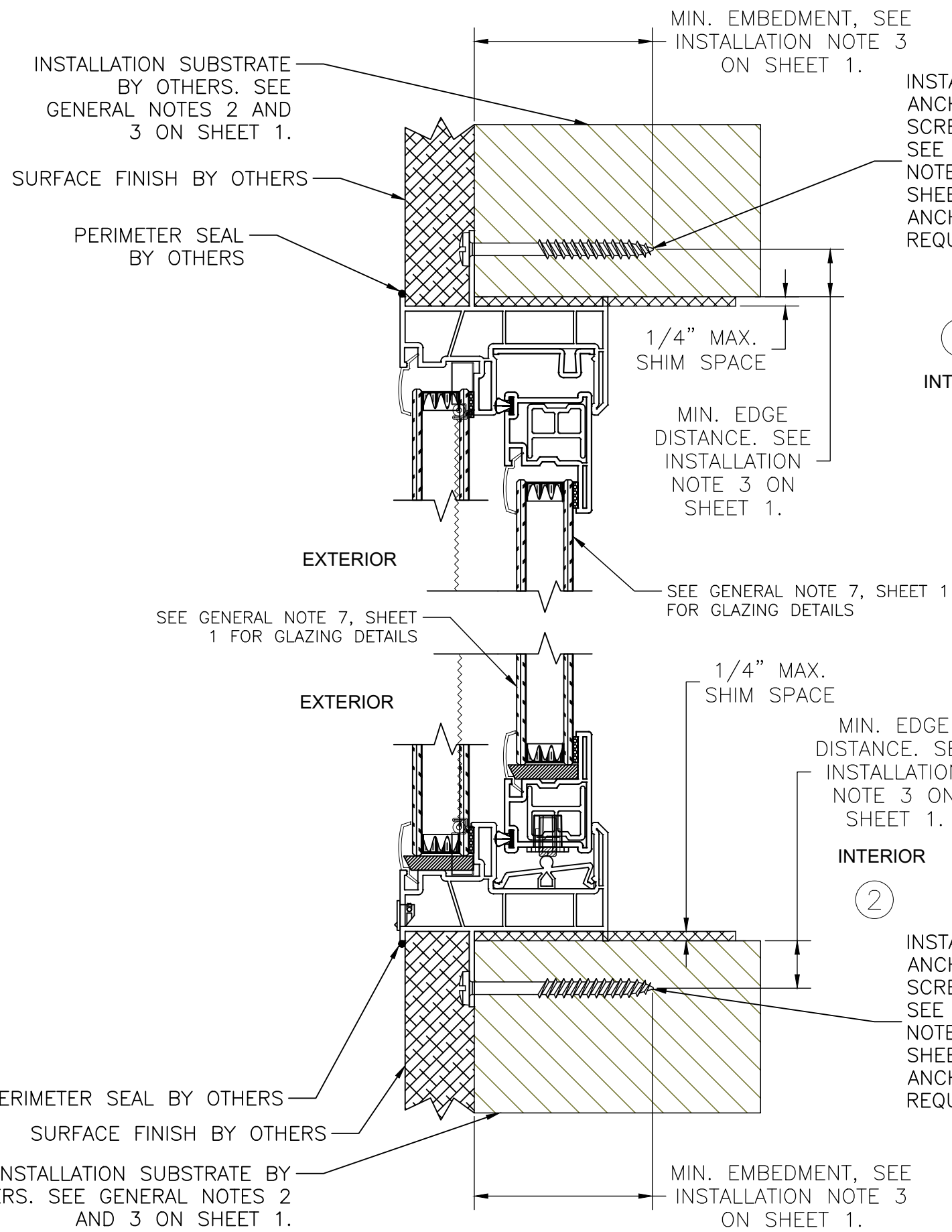
DATE: 7/23/21
DRAWING NO: ECOGLASS015
SHEET: 2 OF 6

321-207-0507 | info@vk-ecoglass.com

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed
by Robert J Amoruso
Date: 2021.12.21 10:44:38 -05'00'

734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com



INSTALLATION ANCHOR. WOOD SCREW SHOWN. SEE INSTALLATION NOTE 3 ON SHEET 1 FOR ANCHOR TYPE REQUIRED.

①
INTERIOR

INSTALLATION ANCHOR. WOOD SCREW SHOWN. SEE INSTALLATION NOTE 3 ON SHEET 1 FOR ANCHOR TYPE REQUIRED.

MIN. EDGE DISTANCE. SEE INSTALLATION NOTE 3 ON SHEET 1.

1/4" MAX. SHIM SPACE

INTERIOR ③ ④opp

MIN. EMBEDMENT, SEE INSTALLATION NOTE 3 ON SHEET 1.

INSTALLATION SUBSTRATE BY OTHERS. SEE GENERAL NOTES 2 AND 3 ON SHEET 1.

②
INTERIOR

INSTALLATION ANCHOR. WOOD SCREW SHOWN. SEE INSTALLATION NOTE 3 ON SHEET 1 FOR ANCHOR TYPE REQUIRED.

SURFACE FINISH BY OTHERS

PERIMETER SEAL BY OTHERS

SEE GENERAL NOTE 7, SHEET 1 FOR GLAZING DETAILS

VERTICAL & HORIZONTAL CROSS SECTIONS

NAILING FIN FRAME INSTALLATION

WOOD FRAMING AND 2X WOOD BUCK

PROJECT NO. ACE-2021-118

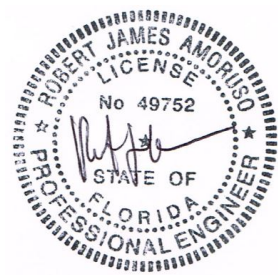
ECO GLASS, LLC
144 HOPE STREET
LONGWOOD, FL 32750

TITLE: SERIES "NOVA" HORIZONTAL SLIDING WINDOW
VERTICAL & HORIZONTAL SECTIONS - NAILING FIN FRAME INSTALLATION

DRAWN BY:	RJA	DATE:	7/23/21
SCALE:	N.T.S.	DRAWING NO.:	ECOGLOSS015
REV:	---	SHEET:	3 OF 6

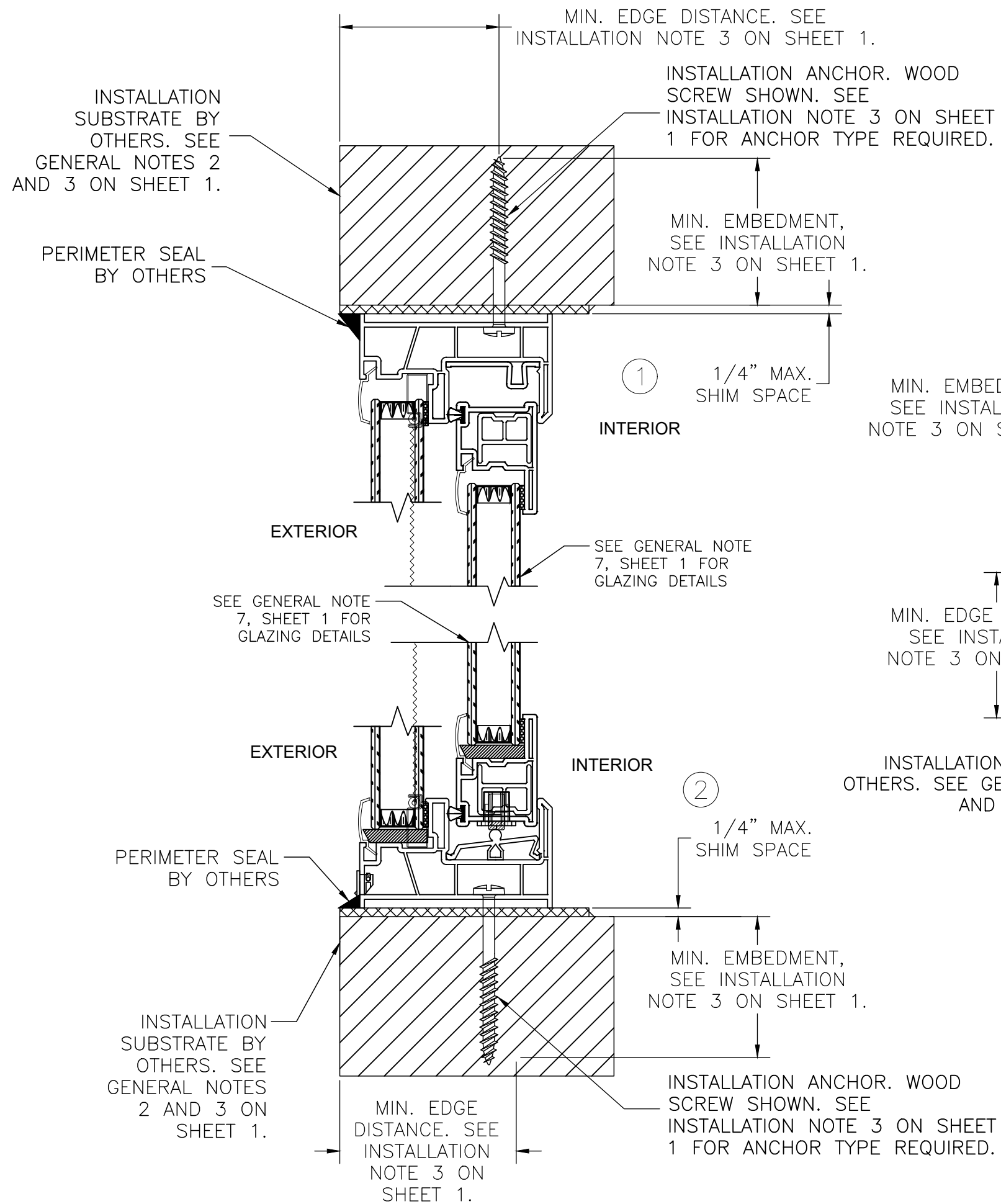


Robert J. Amoruso, P.E.
Florida P.E. No. 49752

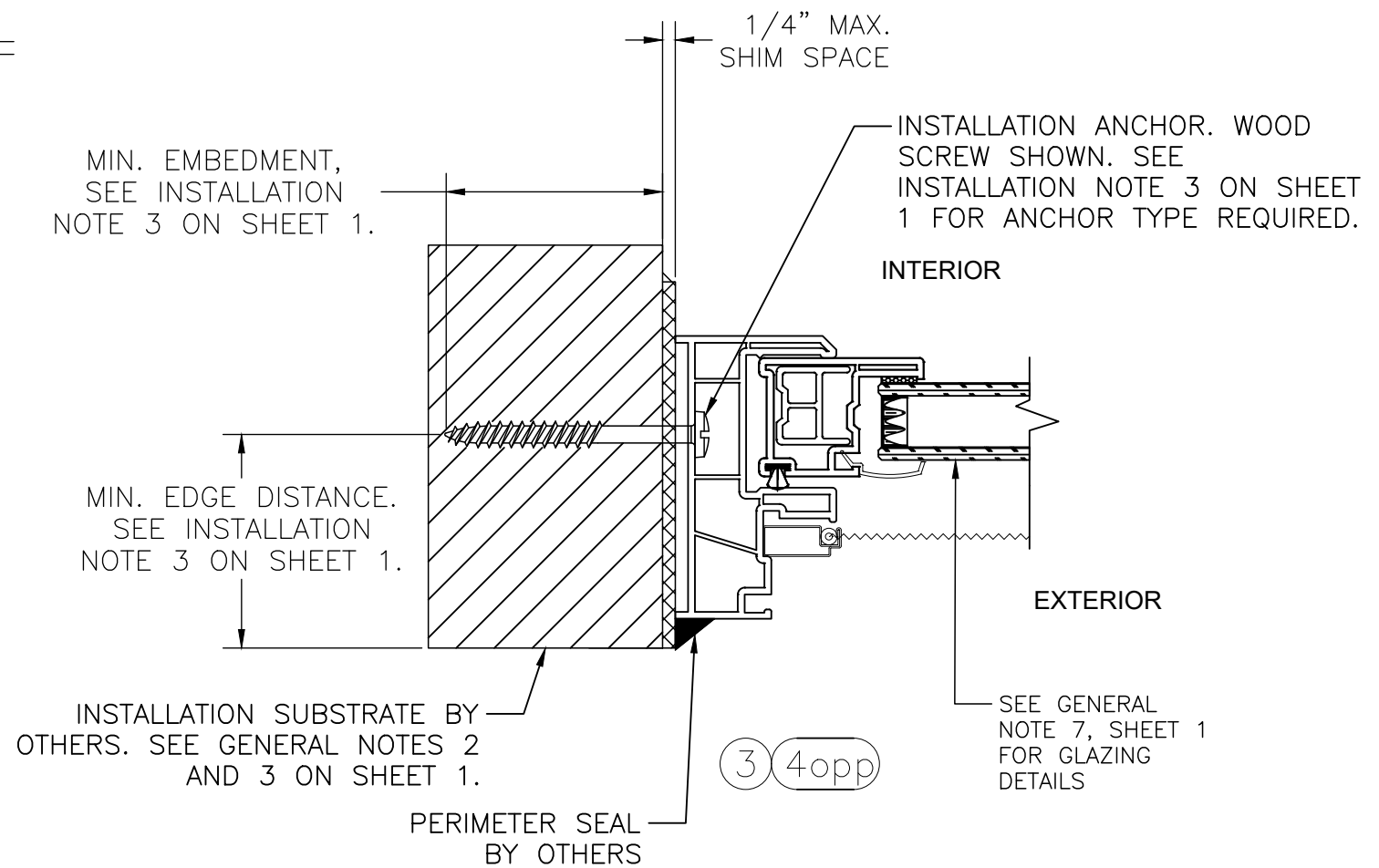


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by Robert J
Amoruso
Date: 2021.12.21
10:44:51 -05'00'

734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com



VERTICAL & HORIZONTAL CROSS SECTIONS **THROUGH FRAME INSTALLATION** WOOD FRAMING AND 2X WOOD BUCK



PROJECT NO. ACE-2021-118		DATE		BY	
ECO GLASS, LLC 144 HOPE STREET LONGWOOD, FL 32750		DRAWING NO. ECOGLASS015		SHEET 4 OF 6	
TITLE: SERIES "NOVA" HORIZONTAL SLIDING WINDOW VERTICAL & HORIZONTAL SECTIONS - THROUGH FRAME INSTALLATION		DATE: 7/23/21		DRAWN BY: RJA	
SCALE: N.T.S.		SHEET: ---		REV: ---	

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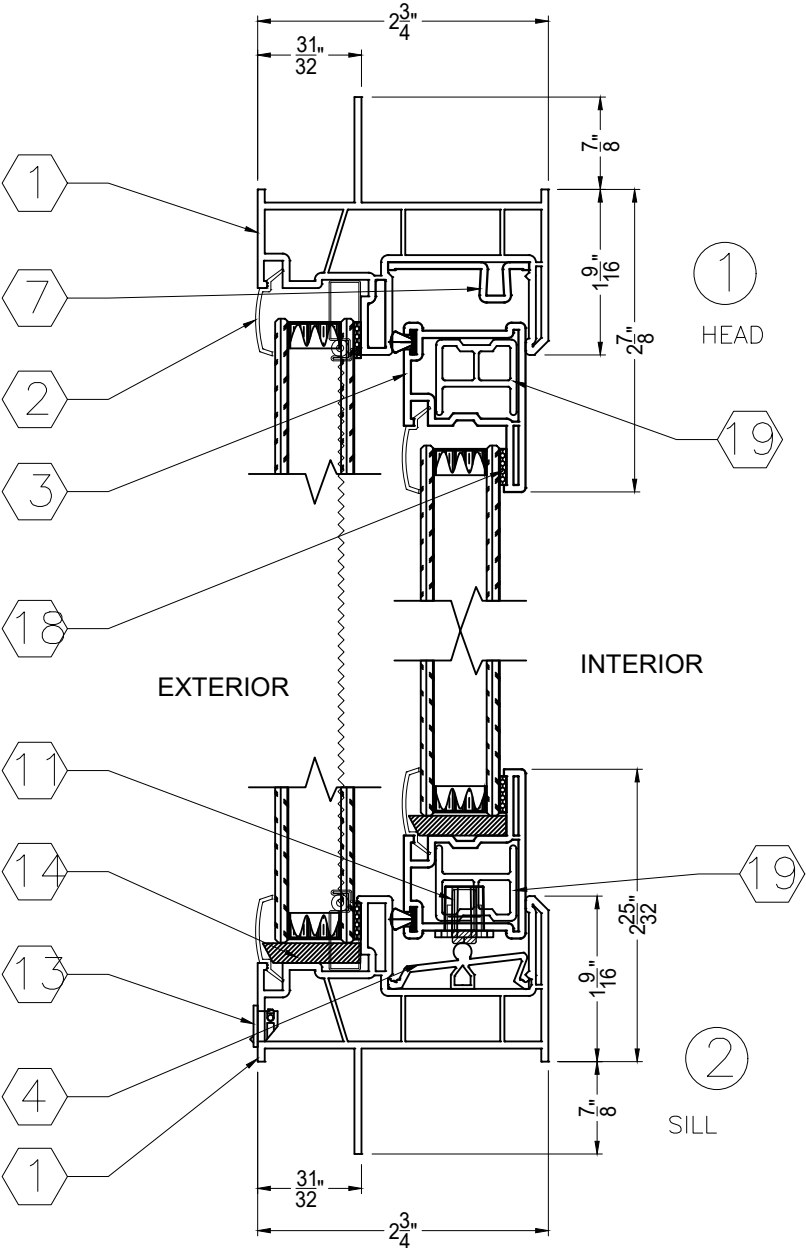
ADVANCED FLORIDA WINDOW SOLUTION

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed
by Robert J
Amoruso
Date: 2021.12.21
10:45:03 -05'00'

734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com

SERIES "NOVA"
HORIZONTAL SLIDING
WINDOW



BOM					
INDEX	PART NUMBER	DESCRIPTION	QTY	VENDOR	MATERIAL
1	FE-8003	IM-XO FRAME W/ RETRO-FIT FIN	4	Value Wholesaler	PVC
2	FE-8012	GLAZING BEAD	12	Value Wholesaler	PVC
3	FE-8009	SASH FRAME	8	Value Wholesaler	PVC
4	FEI-2008-TI	ROLLER TRACK	1	Value Wholesaler	PVC
5	FE-8006	STILE	2	Value Wholesaler	PVC
6	FE-8007	INTERLOCK	2	Value Wholesaler	PVC
7	FE-8011	ANTI-LIFT	2	Value Wholesaler	PVC
8	ST-06	FIXED STILE REINFORCEMENT	2	QUANEX	Galvanized iron
9	STGS-07	LOCK STILE REINFORCEMENT	2	QUANEX	Galvanized iron
10	8-9220 SK01-3006-000	PRO-LATCH STRIKER	2	INTERLOCK	Die Casting
10.1	8-9220 SK04-0005	SLIM PRO-LATCH MECHANISM	2	INTERLOCK	Die Casting
10.2	8-9220 SK04-0016-0WH	LOCK COVER	2	INTERLOCK	Die Casting
11	1132-A	ROLLER	4	Value Wholesaler	PA6 + GF
12	AL-56-53	SCREEN FRAME	8	Value Wholesaler	Anodized Aluminum
12.1	0156-0000	SCREEN RUBBER SEAL	-	Value Wholesaler	EPDM
12.2	301A	SCREEN CONNECTOR-1	4	Value Wholesaler	PP
12.3	301B	SCREENTOR-2	4	Value Wholesaler	PP
13	1267-0000	WEEP HOLE COVER	2	Value Wholesaler	PC
14	SB-001 and SB-003	SETTING BLOCK	6	Value Wholesaler	PVC
15	PP-018-570-625 / 29023045WHGZ	WEATHER STRIPPING	-	Value Wholesaler	AMESBURY
16	(860-56H-357 / 860-37H-357 etc.)	DUALITE SPACER	3	QUANEX	-
16.1	VARIES	GLASS	3	CARDINAL	-
16.2	315W / BT413W	ADHESIVE TAPE	3	Value Wholesaler	-
17	PR-07	COVER FOR 8006	4	Value Wholesaler	ASA957
18	DT-18	Double-tape 1/6"x3/8"x150"(32 Roll/box)	-	Value Wholesaler	-
19	ALGS-02	ACTIVE SASH LEAD STILE AND TOP & BOTTOM RAILS REINFORCEMENT	4	QUANEX	Aluminum

PROJECT NO. ACE-2021-118

ECO GLASS, LLC
144 HOPE STREET
LONGWOOD, FL 32750

TITLE:
SERIES "NOVA" HORIZONTAL SLIDING WINDOW
COMPONENTS - BILL OF MATERIALS & ELEVATION

DRAWN BY: RJA
SCALE: N.T.S.
REV: ---

DATE: 7/23/21
DRAWING NO: ECOGLASS015
SHEET: 5 OF 6

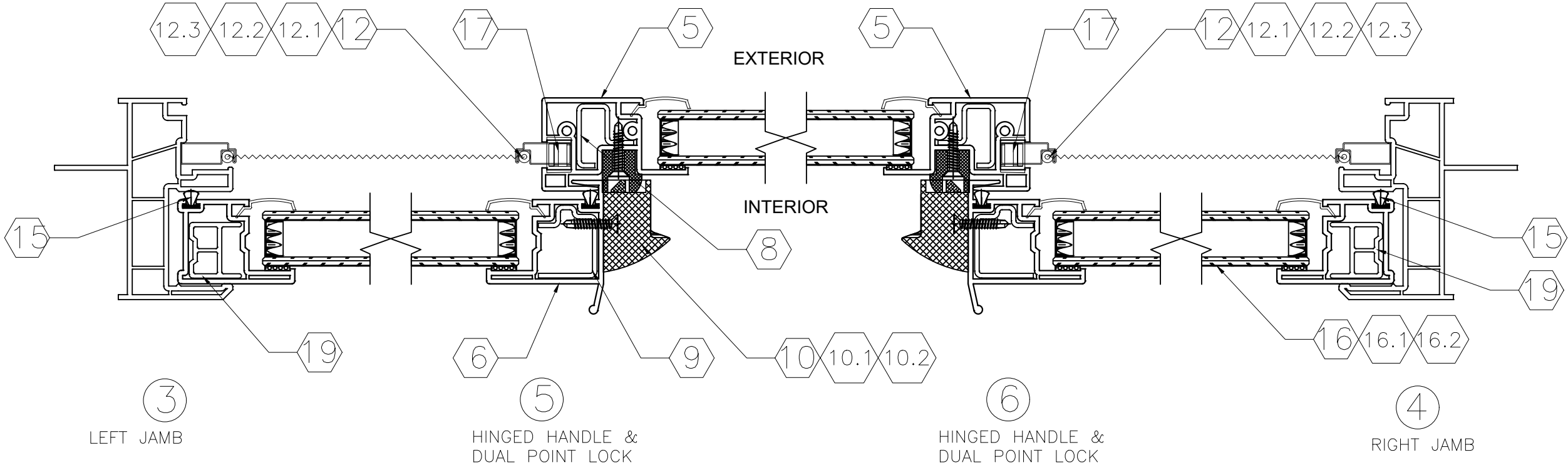
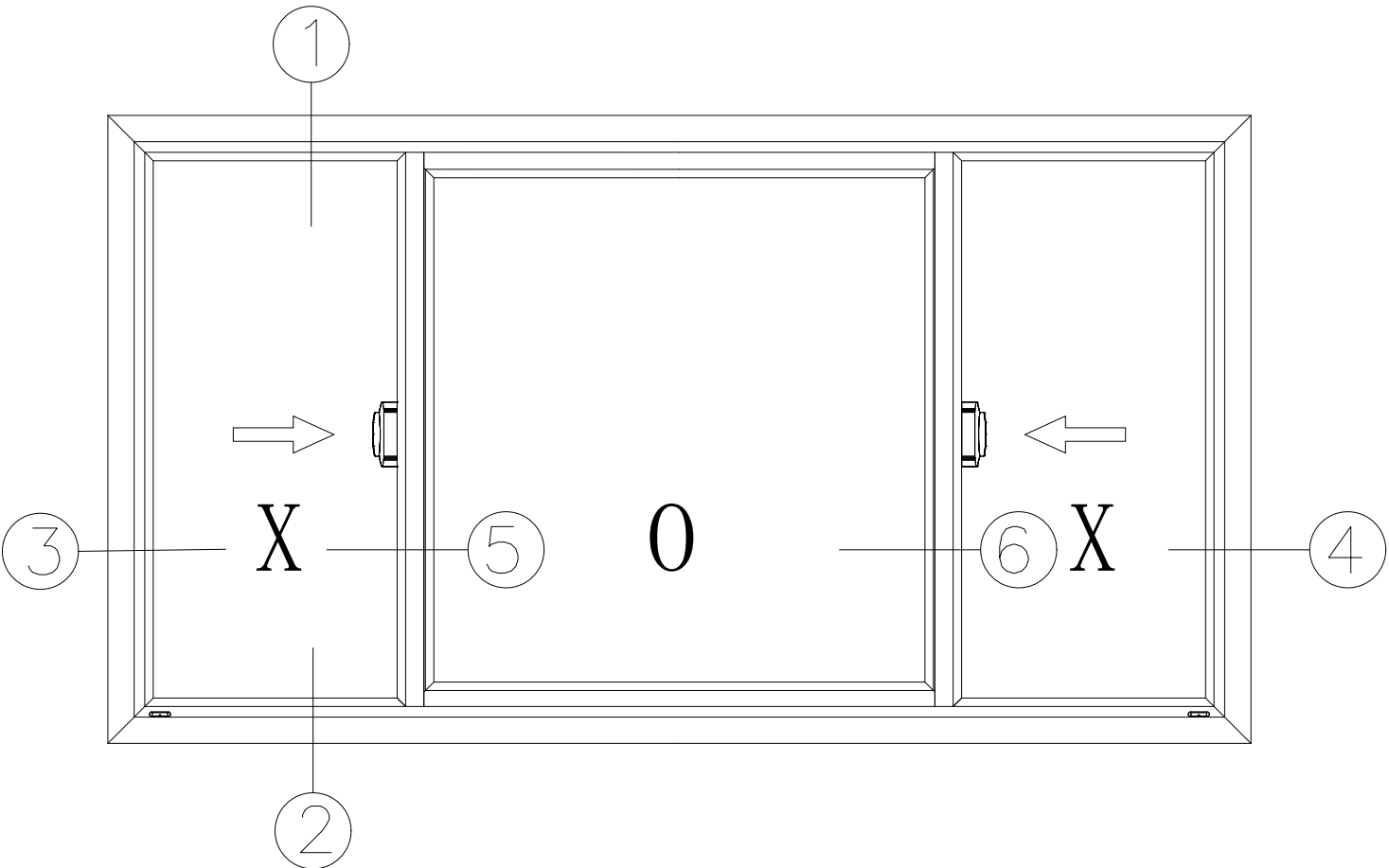
BY: DATE: DESCRIPTION: REV:

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

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by Robert J
Amoruso
Date: 2021.12.21
10:45:16 -05'00'

734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com

SERIES "NOVA" HORIZONTAL SLIDING WINDOW



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ECO GLASS, LLC 144 HOPE STREET LONGWOOD, FL 32750	DRAWN BY: RJA SCALE: N.T.S. REV: ---	DATE: 7/23/21 DRAWING NO: ECOGLASS015 SHEET: 6 OF 6
TITLE: SERIES "NOVA" HORIZONTAL SLIDING WINDOW COMPONENTS - HORIZONTAL AND VERTICAL SECTIONS		
321-207-0507 info@vk-ecoglass.com		

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed
by Robert J
Amoruso
Date: 2021.12.21
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734 S Center St.
Ormond Beach, FL 32174
rjaengpe@gmail.com