

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 & 17 DOCUMENTED IN TEST REPORT NO. AI-05151-I2 (W/O INSECT SCREEN) AND TEST REPORT NO. AI-05151-I1 (WITH INSECT SCREEN) BY UL CLEB
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:

7.1. INSULATING GLASS UNIT DESCRIPTION: 21.2 mm (0.83") O.A. COMPRISED OF 3MM (1/8") TEMPERED, AIR GAP 14.8mm (0.58").

7.1.1. OVERALL (O.A.) THICKNESS AND AIR GAP CAN VARY BASED ON SPACER USED AND WILL NOT AFFECT GLAZING STRENGTH. GLASS THICKNESS AND HEAT TREATMENT CANNOT VARY EXCEPT AS ALLOWED IN 7.2 BELOW.

7.2. 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/A440-11, SECTION 10.2.3.4.1 AND AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.3.1.

7.3. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.
8. PANEL OPERABILITY DESIGNATIONS:

8.1. X = OPERABLE

8.2. 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. EXTERIOR FINISH, PERIMETER AND JOINT SEALANT IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT PART OF THIS PRODUCT APPROVAL DOCUMENT.

| TABLE OF CONTENTS |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| SHEET             | DESCRIPTION                                                                                |
| 1                 | GENERAL AND INSTALLATION NOTES                                                             |
| 2                 | EXTERIOR ELEVATION                                                                         |
| 3                 | EXTERIOR ELEVATION AND ANCHORAGE                                                           |
| 4                 | INSTALLATION DETAIL A                                                                      |
| 5                 | VERTICAL SECTION A - WOOD - CLIP INSTALLATION                                              |
| 6                 | VERTICAL SECTION A - WOOD - THROUGH FRAME INSTALLATION                                     |
| 7                 | HORIZONTAL SECTION B, C & D - WOOD - THROUGH FRAME & CLIP INSTALLATION                     |
| 8                 | VERTICAL SECTION A - CONCRETE - THROUGH FRAME (HEAD) & CLIP (SILL) INSTALLATION - CONCRETE |
| 9                 | VERTICAL SECTION A - CONCRETE - THROUGH FRAME SILL                                         |
| 10                | HORIZONTAL SECTION B, C & D - CONCRETE - THROUGH FRAME JAMBS                               |
| 11                | VERTICAL COMPONENT CROSS-SECTIONS - OXXXXO SGD W/O SCREEN                                  |
| 12                | HORIZONTAL COMPONENT CROSS-SECTIONS AND CLIP - OXXXXO SGD W/O SCREEN                       |
| 13                | BILL OF MATERIALS - OXXXXO SGD W/O SCREEN                                                  |
| 14                | VERTICAL COMPONENT CROSS-SECTIONS - OXXXXO SGD WITH SCREEN                                 |
| 15                | HORIZONTAL COMPONENT CROSS-SECTIONS AND CLIP - OXXXXO SGD WITH SCREEN                      |
| 16                | BILL OF MATERIALS - OXXXXO SGD WITH SCREEN                                                 |

ECO GLASS LLC

SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)

INSTALLATION ANCHORAGE DETAILS

INSTALLATION NOTES:

1. INSTALL INSTALLATION ANCHOR(S) AS INDICATED IN THE SECTION DETAILS ON SHEETS 5 THROUGH 10 AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 3.

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

1.2. FOR DOORS SMALLER THAN THAT SHOWN IN SHEET 3 ELEVATION, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING THE ANCHOR SPACING AND EDGE DISTANCE SHOWN.

1.3. THE OXXXXO CONFIGURATION SHOWN ON SHEETS 2 AND 3 WAS TESTED. THE FOLLOWING CONFIGURATIONS ARE ALSO ACCEPTABLE: XO, OX, OXO, XOO, OOX, XXO, OXX AND OXO. FOR CONFIGURATIONS OTHER THAN OXXXXO, INSTALL USING THE SAME ANCHOR EDGE DISTANCE AND ON CENTER (O.C.) SPACING AS SHOWN ON SHEET 3.
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.

| 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                  |
| WOOD (SG = 0.42 MIN.)                                                                      | NO. 10 PAN HEAD SELF-DRILLING SHEET METAL SCREW (TAPPING 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 PAN HEAD SELF-DRILLING SHEET METAL SCREW (TAPPING SCREW),GR. 2 STRENGTH | FULL THICKNESS OF MEMBER PLUS 3 FULL THREAD LENGTHS PAST INTERIOR | 1/2                  |

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
GENERAL AND INSTALLATION NOTES

DRAWN BY: RJA

DATE: 10/18/20

SCALE: N.T.S.

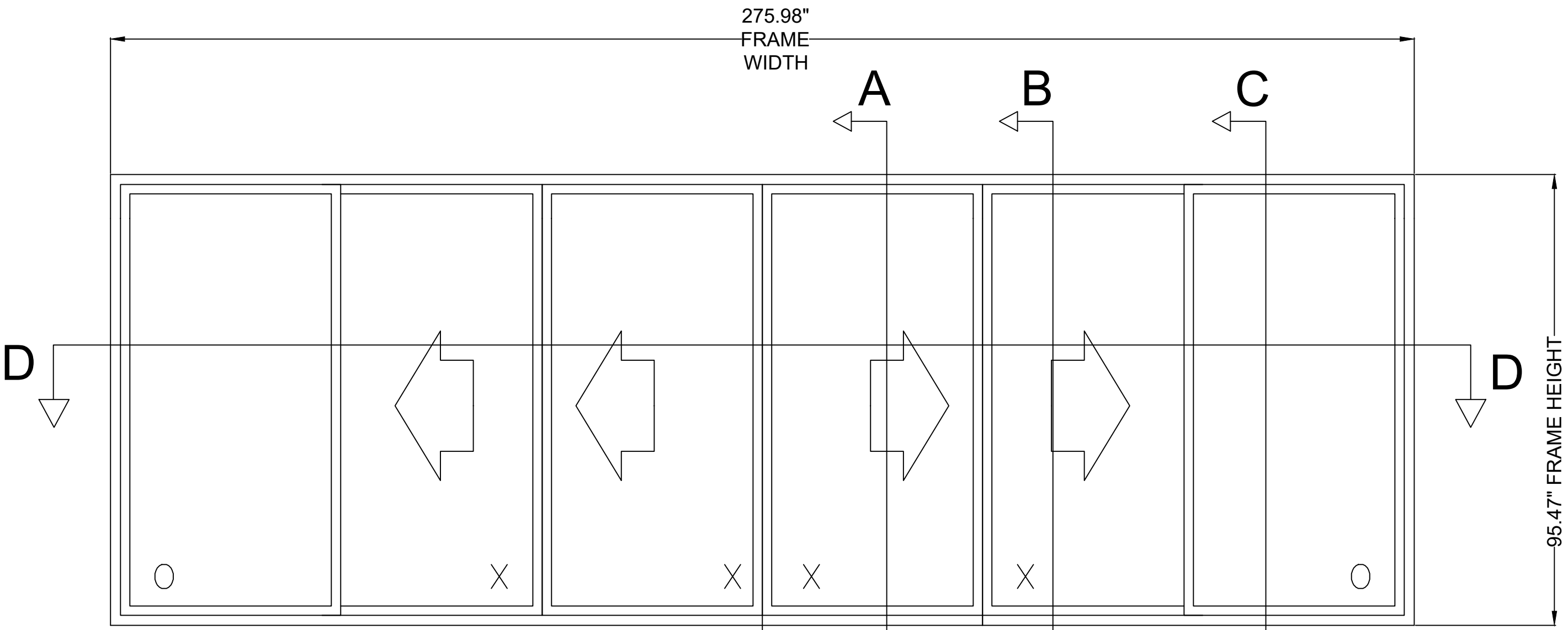
SHEET: 1 OF 16

ECO GLASS  
ADVANCED FLORIDA WINDOW SOLUTION

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

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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net



**SERIES S-8375 SLIDING GLASS DOOR**  
**(OXXXXO)**  
EXTERIOR VIEW

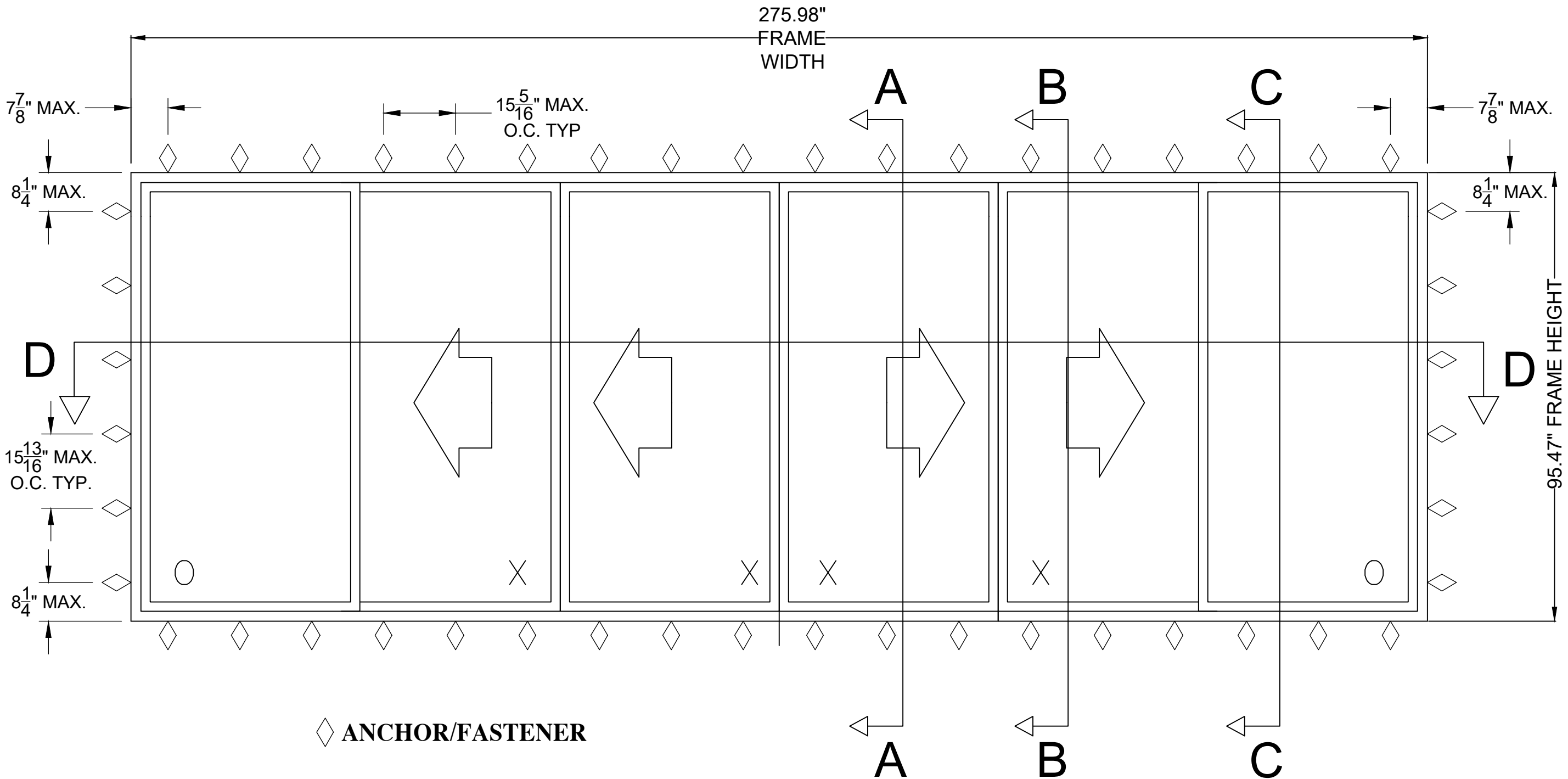
| MAXIMUM SIZES       |                                        |
|---------------------|----------------------------------------|
| FRAME               | 275.98" X 65.47"<br>276" X 96" NOMINAL |
| FIXED PANELS        | 47.35" X 91.14"                        |
| INTERMEDIATE PANELS | 47.45" X 91.14"                        |
| CENTER PANELS       | 47.35" X 91.14"                        |
| DLO                 | 40.94" X 84.84"                        |

| PERFORMANCE RATING                       |                                    |                  |                  |
|------------------------------------------|------------------------------------|------------------|------------------|
| NOMINAL (MAX)<br>DOOR FRAME SIZE<br>(IN) | DESIGN<br>PRESSURE<br>RATING (PSF) | INSECT<br>SCREEN | IMPACT<br>RATING |
| 276 x 96                                 | 30                                 | NO               | NONE             |
|                                          | 15                                 | YES              |                  |

OXXXXO TESTED. XO, OX, OXO, XOO, OOX, XXO,  
OXX AND OXO ENVELOPED.

|                          |  |  |  |      |    |
|--------------------------|--|--|--|------|----|
| PROJECT NO. ACE-2020-106 |  |  |  | DATE | BY |
|                          |  |  |  |      |    |
|                          |  |  |  |      |    |
|                          |  |  |  |      |    |

|                                                                           |  |                                                                                      |                             |
|---------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|-----------------------------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                   |  | DRAWN BY:<br>RJA                                                                     | DATE:<br>10/18/20           |
| TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>EXTERIOR ELEVATION |  | SCALE:<br>N.T.S.                                                                     | DRAWING NO:<br>ECOGLOSS0011 |
|                                                                           |  | REV:<br>---                                                                          | SHEET:<br>2 OF 16           |
|                                                                           |  |  |                             |
|                                                                           |  | 321-207-0507   info@vk-ecoglass.com                                                  |                             |



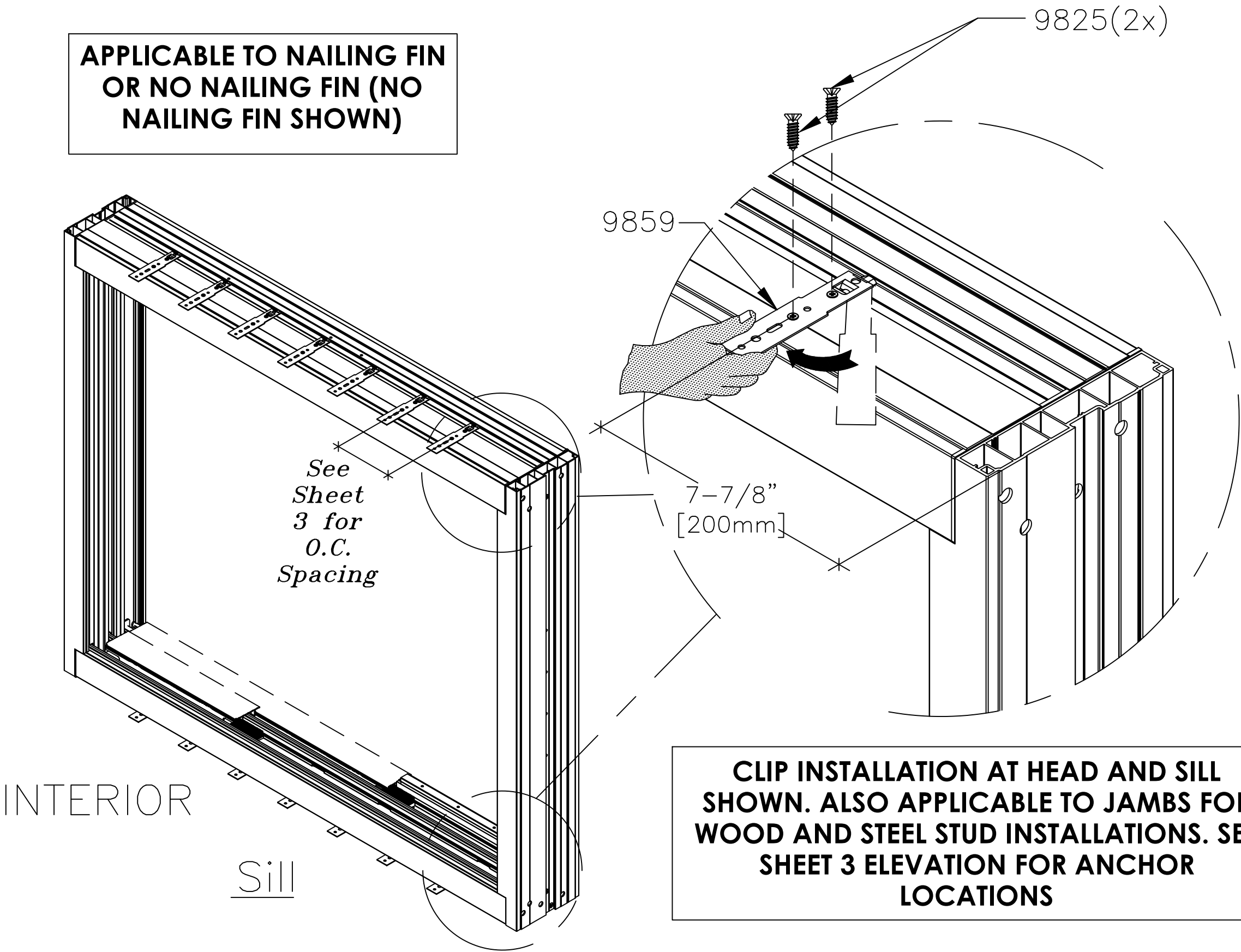
**SERIES S-8375 SLIDING GLASS DOOR**  
**(OXXXXO)**  
EXTERIOR VIEW

OXXXXO TESTED. XO, OX, OXO, XOO, OOX, XXO,  
OXX AND OXO ENVELOPED.

**ANCHOR LAYOUT BLOCK/EQUAL LEG THROUGH**  
**FRAME INSTALLATION**  
**OR**  
**CLIP INSTALLATION**  
EXTERIOR VIEW

|                                                                                              |                                                                                        |                                     |                             |             |             |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-------------|-------------|
| PROJECT NO. ACE-2020-106                                                                     |                                                                                        |                                     |                             |             | BY          |
|                                                                                              |                                                                                        |                                     |                             |             | DATE        |
|                                                                                              |                                                                                        |                                     |                             |             | DESCRIPTION |
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                                      | TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (XXXXO)<br>EXTERIOR ELEVATION AND ANCHORAGE | DRAWN BY:<br>RJA                    | DATE:<br>10/18/20           | REV:        | 3 OF 16     |
|                                                                                              |                                                                                        | SCALE:<br>N.T.S.                    | DRAWING NO:<br>ECOGLOSS0011 | BY          |             |
|                                                                                              |                                                                                        | 321-207-0507   info@vk-ecoglass.com |                             | DESCRIPTION |             |
| Robert J. Amoruso, P.E.<br>Florida P.E. No. 49752                                            |                                                                                        |                                     |                             |             |             |
| 12472 LAKE UNDERHILL RD.<br>SUITE NO. 148<br>ORLANDO, FL 32828<br>robert.amoruso@comcast.net |                                                                                        |                                     |                             |             |             |

APPLICABLE TO NAILING FIN  
OR NO NAILING FIN (NO  
NAILING FIN SHOWN)



# CLIP INSTALLATION DETAIL A

|                          |  |  |  |     |             |      |    |
|--------------------------|--|--|--|-----|-------------|------|----|
| PROJECT NO. ACE-2020-106 |  |  |  | REV | DESCRIPTION | DATE | BY |
|                          |  |  |  |     |             |      |    |
|                          |  |  |  |     |             |      |    |
|                          |  |  |  |     |             |      |    |

|                                                                           |  |  |  |               |                          |
|---------------------------------------------------------------------------|--|--|--|---------------|--------------------------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                   |  |  |  | DRAWN BY: RJA | DATE: 10/18/20           |
| TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>INSTALLATION DETAIL A |  |  |  | SCALE: N.T.S. | DRAWING NO: ECOGLASS0011 |
|                                                                           |  |  |  | REV: ---      | SHEET: 4 OF 16           |



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

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

# VERTICAL CROSS SECTION A-A CLIP INSTALLATION

WOOD FRAMING, 2X WOOD BUCK, OR  
STEEL STUD APPROVED  
(WOOD BUCK SHOWN W/TAPPING SCREW)

FIN FRAME SHOWN. APPROVED FOR  
FINLESS INSTALLATION.

INSTALLATION SUBSTRATE BY OTHERS  
(WOOD BUCK SHOWN). SEE GENERAL  
NOTES 2 AND 3 ON SHEET 1.

INSTALLATION ANCHOR. TAPPING  
SCREW SHOWN. SEE INSTALLATION  
NOTE 3 ON SHEET 1 FOR ANCHOR  
TYPE REQUIRED. MIN. EDGE  
DISTANCE & EMBEDMENT - SEE  
SILL DETAIL

PERIMETER SEAL  
BY OTHERS

1/4" MAX.  
SHIM SPACE

SEE SHEET 3,  
INSTALLATION DETAIL A  
FOR CLIP ANCHOR  
DETAILS

INTERIOR

EXTERIOR

WINDOW  
HEIGHT

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

1/4" MAX.  
SHIM SPACE

PERIMETER SEAL  
BY OTHERS

INSTALLATION SUBSTRATE BY  
OTHERS (WOOD BUCK  
SHOWN). SEE GENERAL NOTES  
2 AND 3 ON SHEET 1.

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

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

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
VERTICAL SECTION A - WOOD - CLIP INSTALLATION

DRAWN BY: RJA

DATE: 10/18/20

SCALE: N.T.S.

DRAWING NO: ECOGLASS0011

REV: ---

SHEET: 5 OF 16



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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net

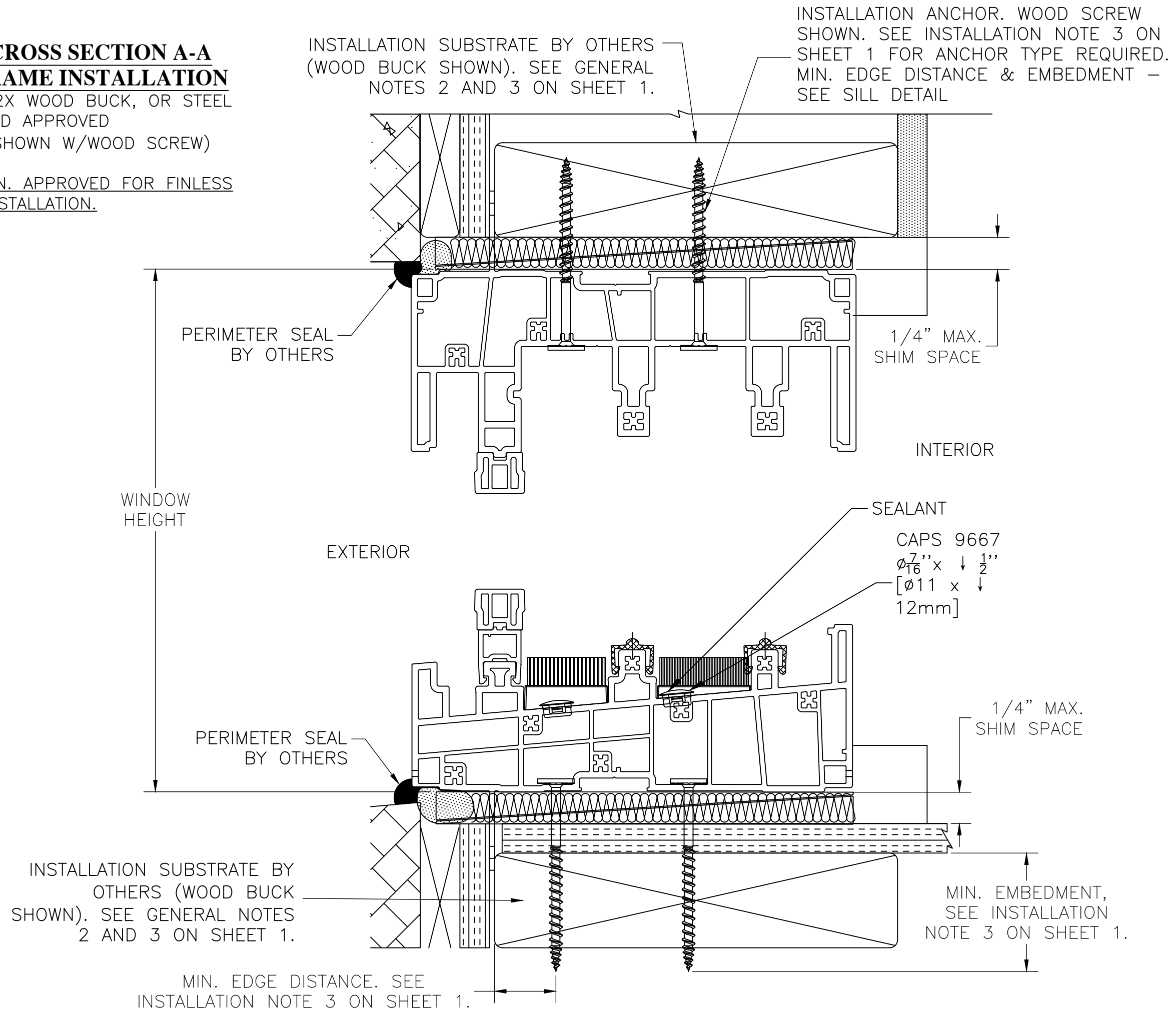


**VERTICAL CROSS SECTION A-A  
THROUGH-FRAME INSTALLATION**

WOOD FRAMING, 2X WOOD BUCK, OR STEEL  
STUD APPROVED

(WOOD BUCK SHOWN W/WOOD SCREW)

FIN FRAME SHOWN. APPROVED FOR FINLESS  
INSTALLATION.



PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

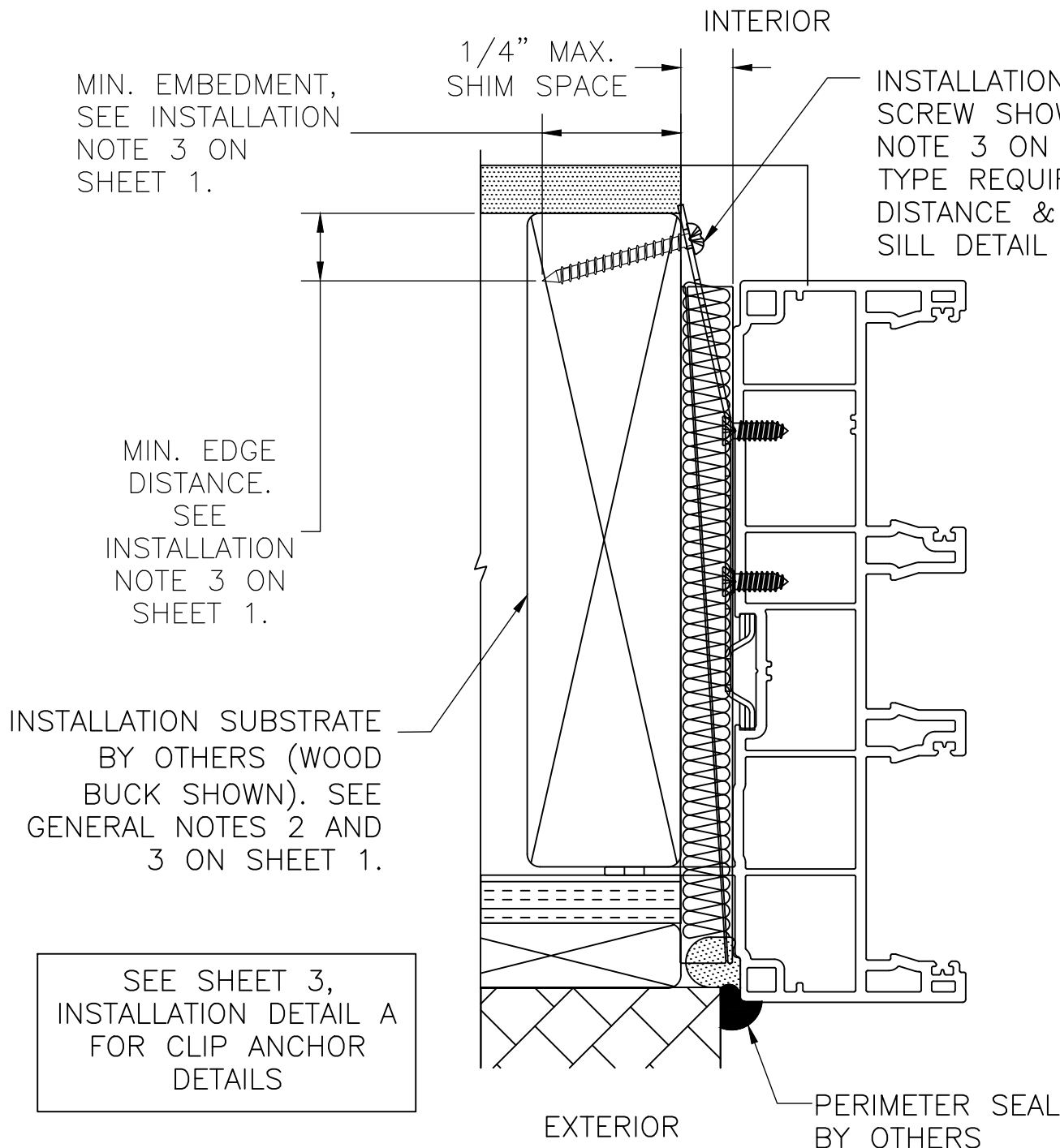
TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
VERTICAL SECTION A - WOOD - THROUGH FRAME INSTALLATION

|           |        |             |              |
|-----------|--------|-------------|--------------|
| DRAWN BY: | RJA    | DATE:       | 10/18/20     |
| SCALE:    | N.T.S. | DRAWING NO: | ECOGLOSS0011 |
| REV:      | ---    | SHEET:      | 6 OF 16      |



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

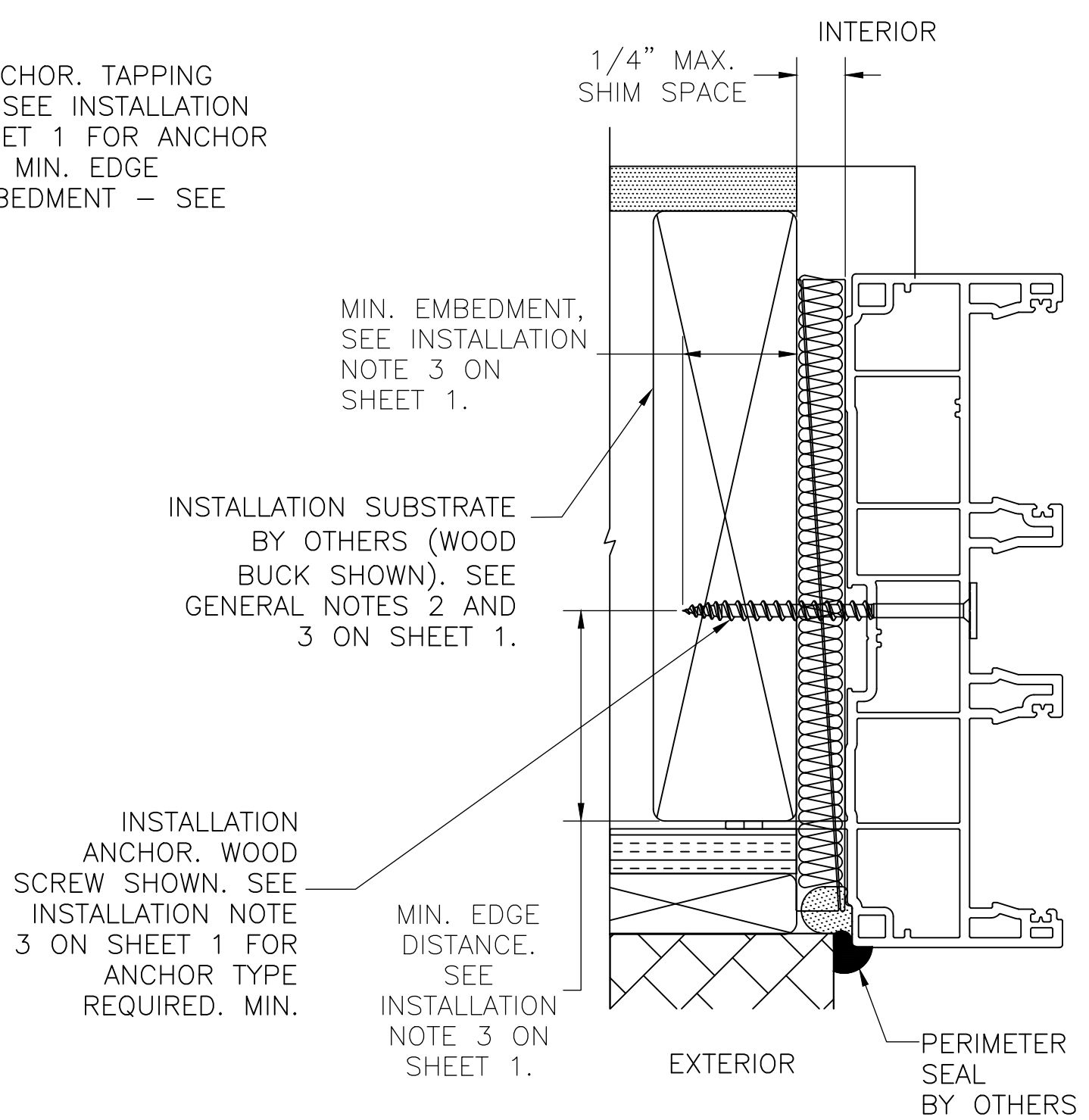
12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net



**HORIZONTAL CROSS SECTION B-B / C-C / D-D**  
**CLIP INSTALLATION**

WOOD FRAMING, 2X WOOD BUCK, OR STEEL STUD  
 APPROVED  
 (WOOD BUCK SHOWN W/WOOD SCREW)

FIN FRAME SHOWN. APPROVED FOR FINLESS  
INSTALLATION.



**HORIZONTAL CROSS SECTION B-B / C-C / D-D**  
**THROUGH-FRAME INSTALLATION**

WOOD FRAMING, 2X WOOD BUCK, OR STEEL STUD  
 APPROVED  
 (WOOD BUCK SHOWN W/WOOD SCREW)

FIN FRAME SHOWN. APPROVED FOR FINLESS  
INSTALLATION.

|                          |  |  |  |             |
|--------------------------|--|--|--|-------------|
| PROJECT NO. ACE-2020-106 |  |  |  | BY          |
|                          |  |  |  | DATE        |
|                          |  |  |  | REV         |
|                          |  |  |  | DESCRIPTION |

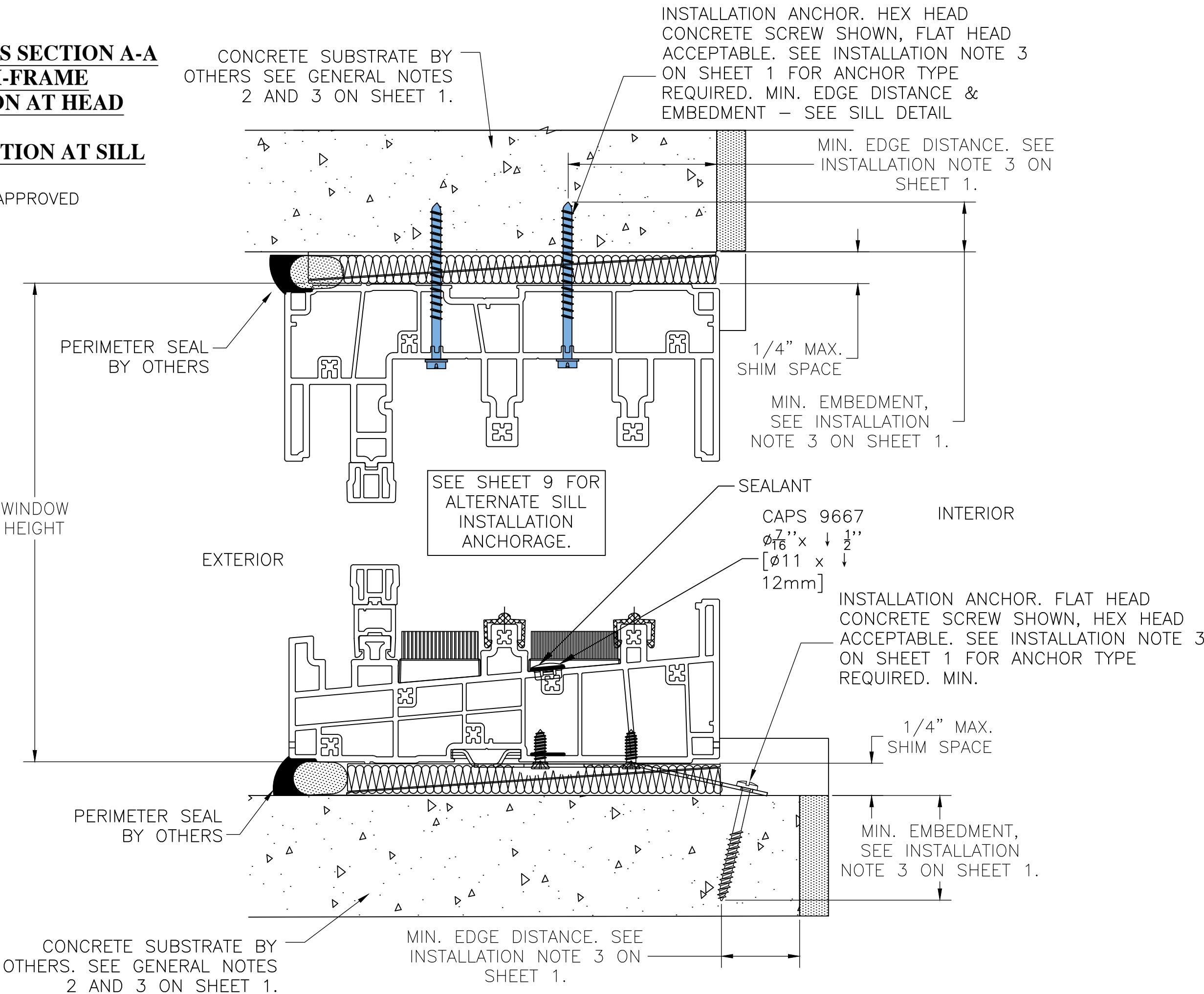
|                                                                                                                       |  |  |  |                  |                             |
|-----------------------------------------------------------------------------------------------------------------------|--|--|--|------------------|-----------------------------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                                                               |  |  |  | DRAWN BY:<br>RJA | DATE:<br>10/18/20           |
| TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>HORZ SECTION B, C & D - WOOD THROUGH FRAME & CLIP INSTALLATION |  |  |  | SCALE:<br>N.T.S. | DRAWING NO:<br>ECOGLOSS0011 |
|                                                                                                                       |  |  |  | REV:<br>---      | SHEET:<br>7 OF 16           |



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

**VERTICAL CROSS SECTION A-A  
THROUGH-FRAME  
INSTALLATION AT HEAD**

**CLIP INSTALLATION AT SILL**



PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
VERTICAL SECTION A - CONCRETE INSTALLATION

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

DATE: 10/18/20  
DRAWING NO: ECOGLASS0011  
SHEET: 8 OF 16

ADVANCED FLORIDA WINDOW SOLUTION  
321-207-0507 | info@vk-ecoglass.com

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

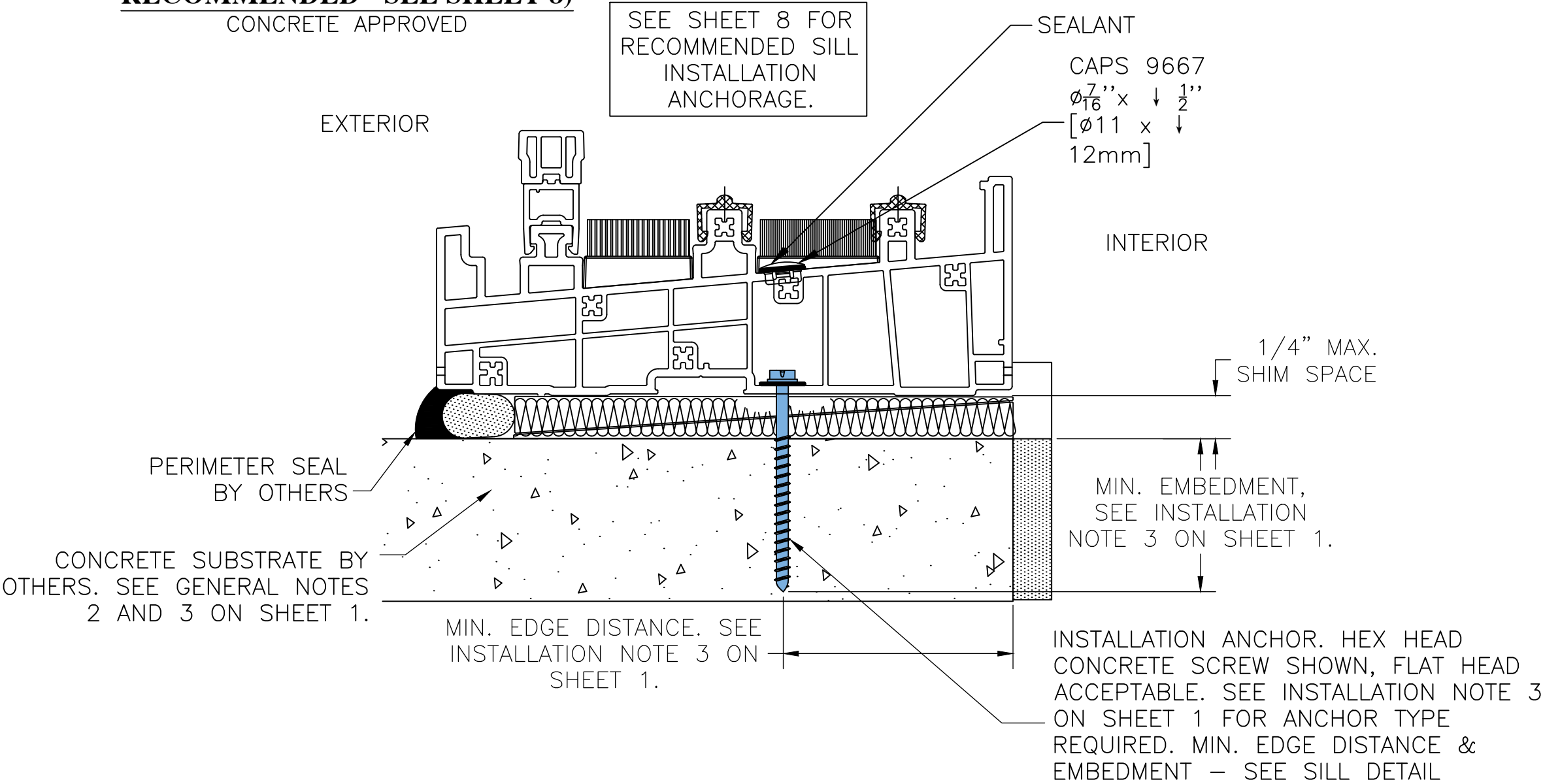
12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net

| REV | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
|     |             |      |    |
|     |             |      |    |
|     |             |      |    |



**VERTICAL CROSS SECTION A-A  
THROUGH-FRAME  
INSTALLATION AT SILL  
(CLIP INSTALLATION AT SILL  
RECOMMENDED - SEE SHEET 8)**

CONCRETE APPROVED



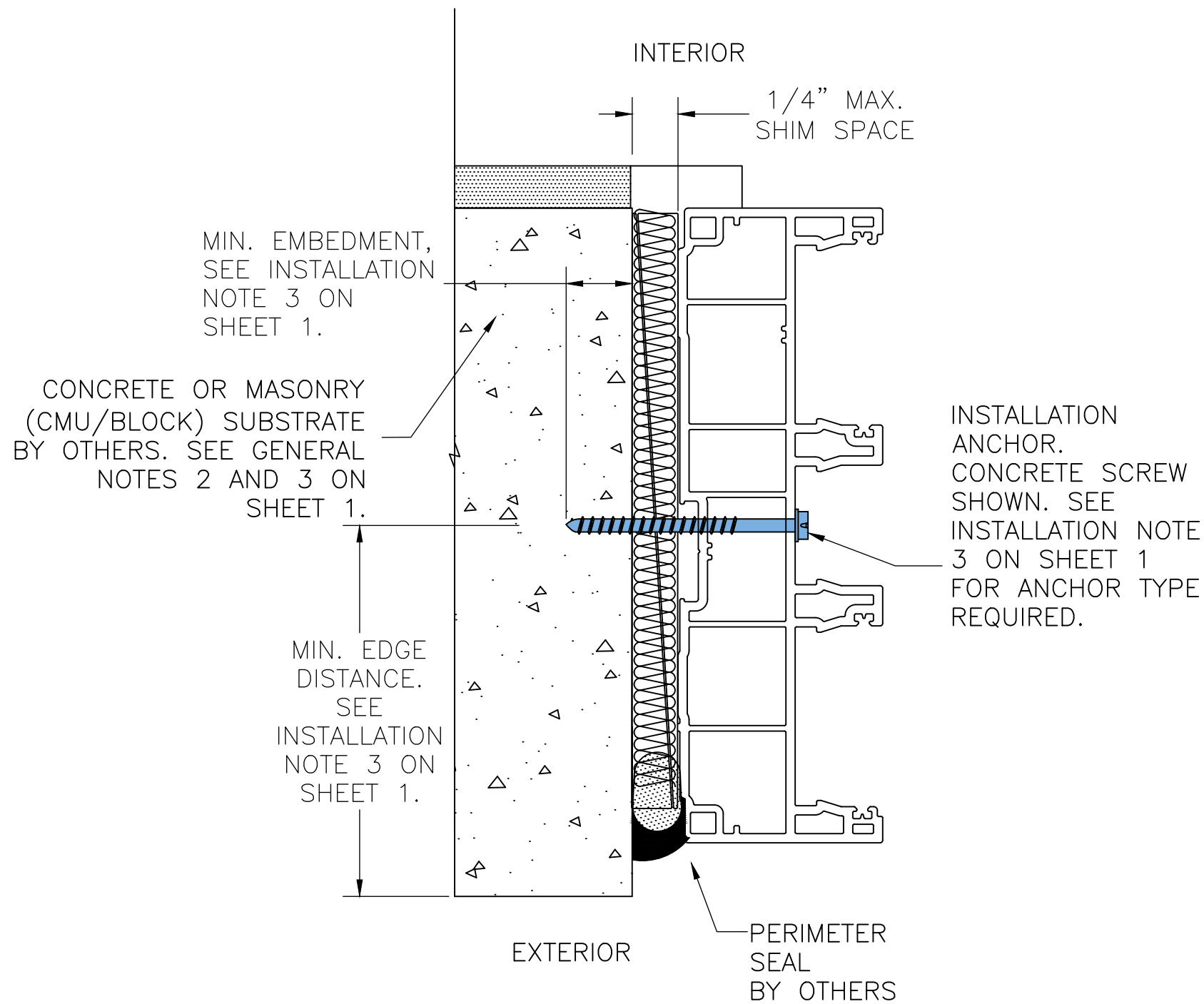
|                          |  |  |  |  |             |      |
|--------------------------|--|--|--|--|-------------|------|
| PROJECT NO. ACE-2020-106 |  |  |  |  |             |      |
|                          |  |  |  |  | DESCRIPTION | DATE |
|                          |  |  |  |  | REV         | BY   |

|                                                                                                   |  |                  |                             |
|---------------------------------------------------------------------------------------------------|--|------------------|-----------------------------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                                           |  | DRAWN BY:<br>RJA | DATE:<br>10/18/20           |
| TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>VERTICAL SECTION A - CONCRETE INSTALLATION |  | SCALE:<br>N.T.S. | DRAWING NO:<br>ECOGLOSS0011 |
|                                                                                                   |  | REV:<br>---      | SHEET:<br>9 OF 16           |

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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net

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

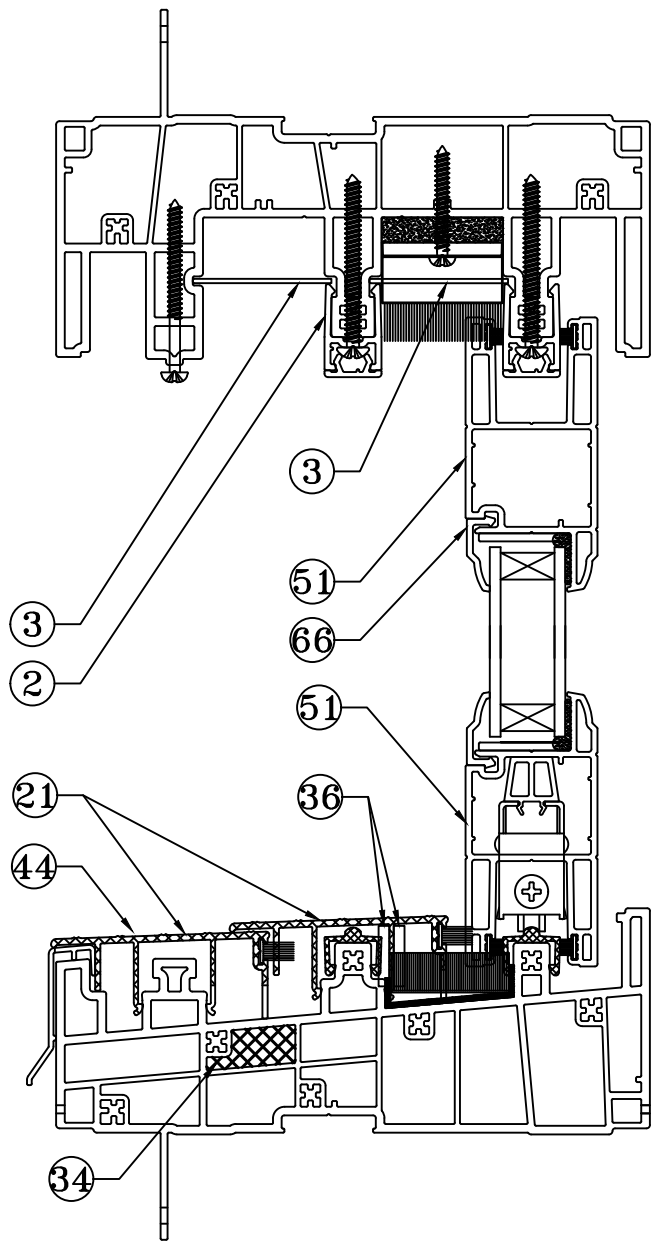


**HORIZONTAL CROSS SECTION B-B / C-C / D-D**  
**THROUGH-FRAME INSTALLATION**  
CONCRETE OR MASONRY (CMU/BLOCK) APPROVED

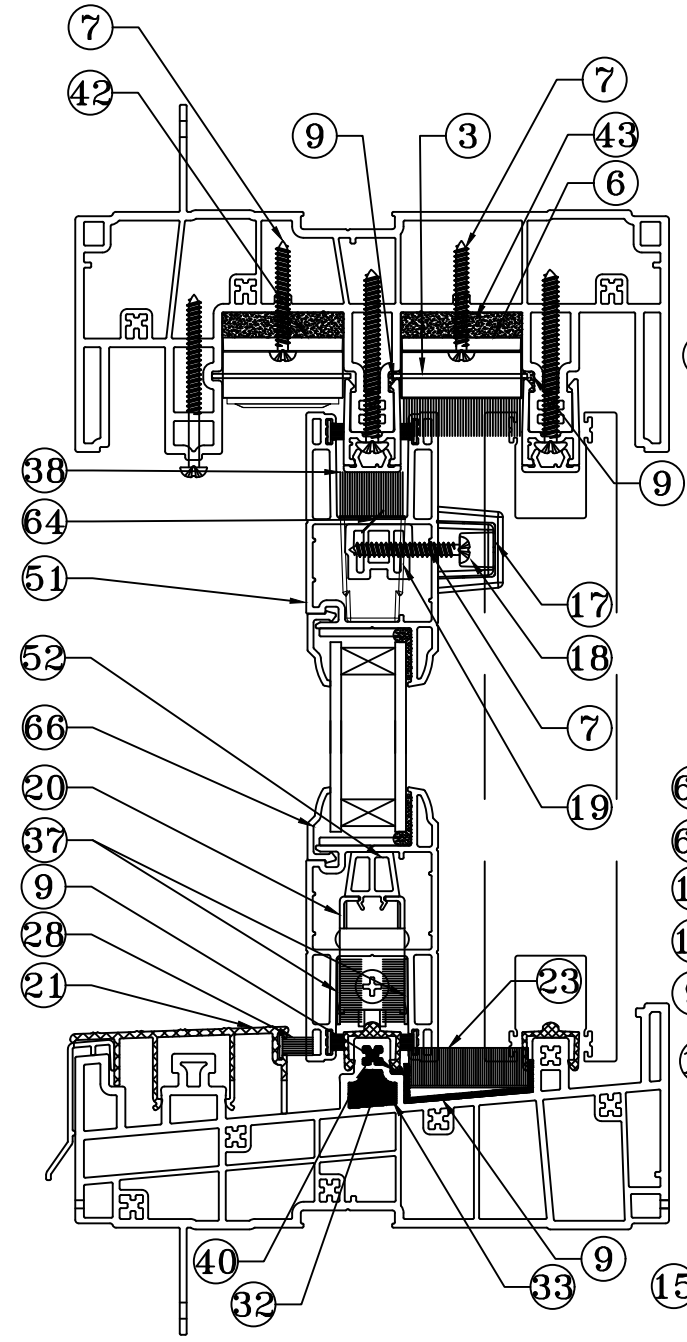
|                          |  |  |      |
|--------------------------|--|--|------|
| PROJECT NO. ACE-2020-106 |  |  |      |
|                          |  |  | BY   |
|                          |  |  | DATE |
|                          |  |  | REV  |

|                                                                                                         |                |                                     |                 |
|---------------------------------------------------------------------------------------------------------|----------------|-------------------------------------|-----------------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750                                                 |                |                                     |                 |
| TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>HORIZONTAL SECTION B, C & D - CONCRETE INSTALLATION |                |                                     |                 |
| DRAWN BY: RJA                                                                                           | DATE: 10/18/20 | DRAWING NO: ECOGLASS0011            | SHEET: 10 OF 16 |
| SCALE: N.T.S.                                                                                           | REV: ---       | 321-207-0507   info@vk-ecoglass.com |                 |

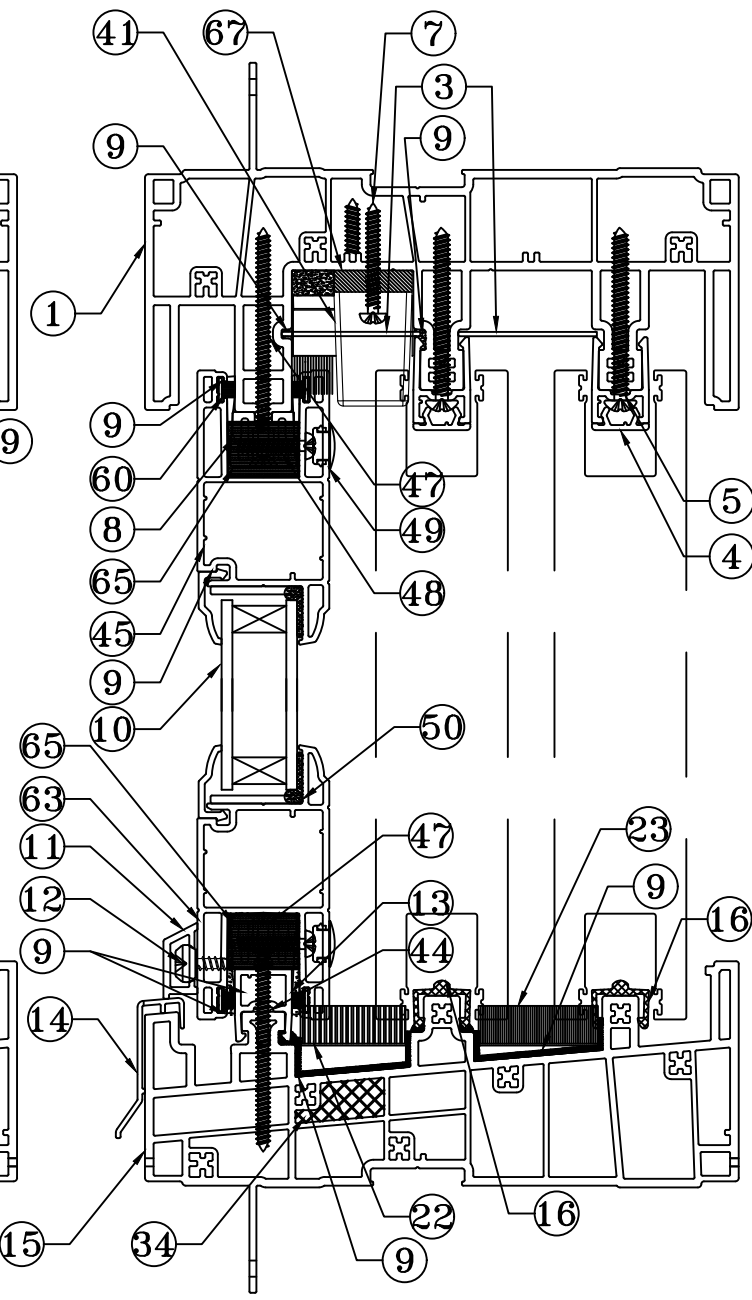
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



SECTION A-A



SECTION B-B



SECTION C-C

**VERTICAL CROSS SECTIONS A-A, B-B AND C-C**  
**w/o INSECT SCREEN**  
**w/NAILING FIN (see Note 1)**  
**(SEE SHEET 13 FOR BOM)**

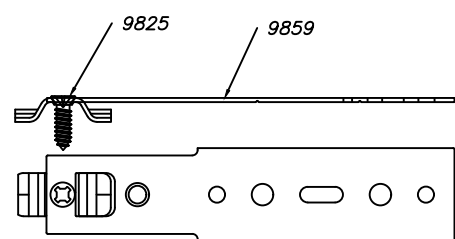
NOTE 1: FIN FRAME  
 SHOWN. APPLICABLE TO  
 FINLESS FRAME.

|                                                         |  |                                                                                          |  |                  |  |                   |  |                             |  |                  |  |
|---------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|------------------|--|-------------------|--|-----------------------------|--|------------------|--|
| PROJECT NO. ACE-2020-106                                |  |                                                                                          |  |                  |  |                   |  |                             |  |                  |  |
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750 |  | TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>VERTICAL COMPONENT CROSS-SECTIONS |  | DRAWN BY:<br>RJA |  | DATE:<br>10/18/20 |  | DRAWING NO:<br>ECOGLOSS0011 |  | REV:<br>11 OF 16 |  |
|                                                         |  |                                                                                          |  | SCALE:<br>N.T.S. |  |                   |  |                             |  | DESCRIPTION      |  |
|                                                         |  |                                                                                          |  | REV:             |  |                   |  |                             |  | BY               |  |
|                                                         |  |                                                                                          |  |                  |  |                   |  |                             |  | DATE             |  |

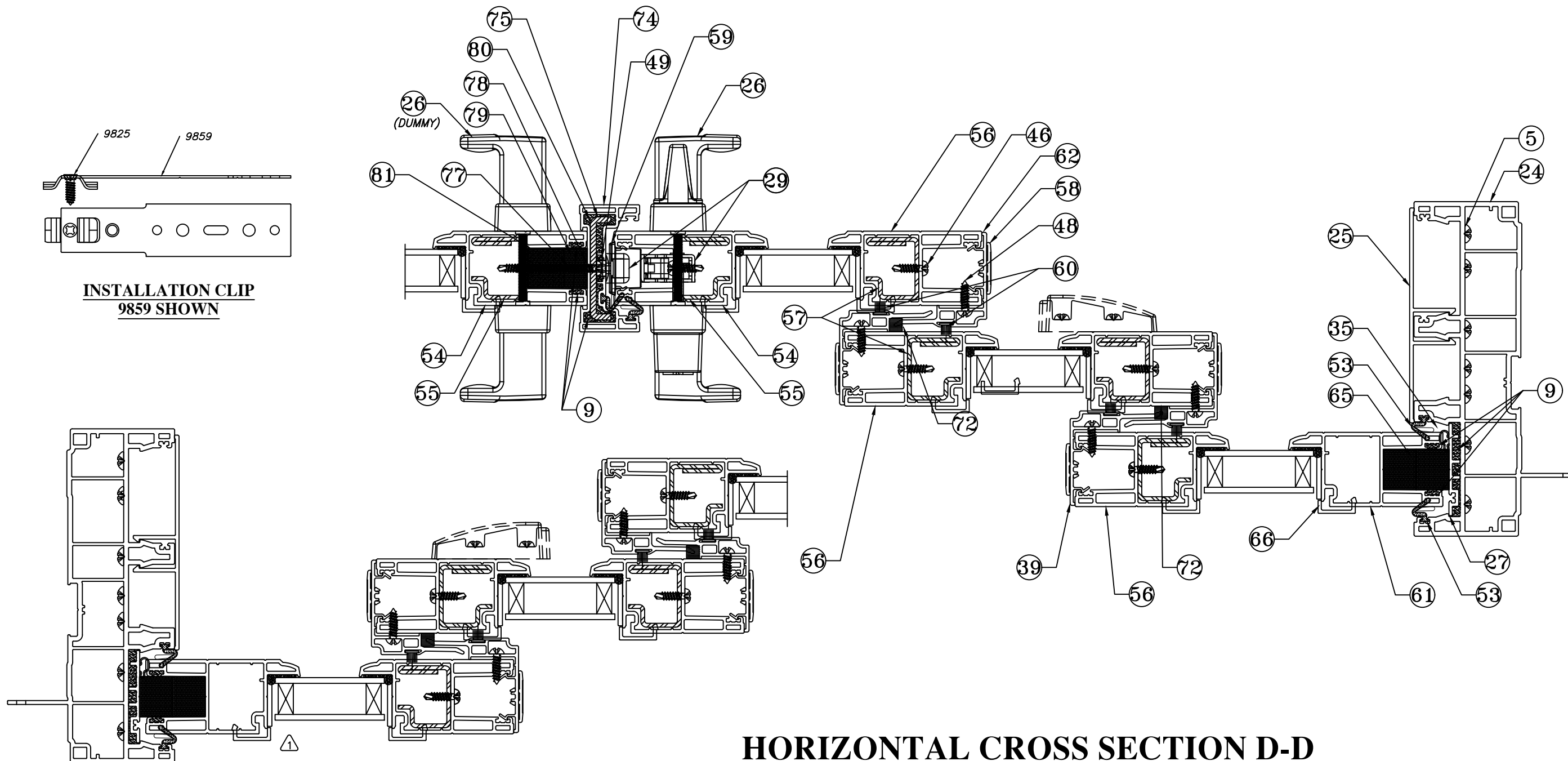
321-207-0507 | info@vk-ecoglass.com

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

12472 LAKE UNDERHILL RD.  
 SUITE NO. 148  
 ORLANDO, FL 32828  
 robert.amoruso@comcast.net



INSTALLATION CLIP  
9859 SHOWN



## HORIZONTAL CROSS SECTION D-D

w/o INSECT SCREEN

w/NAILING FIN (see Note 1)

(SEE SHEET 13 FOR BOM)

NOTE 1: FIN FRAME  
SHOWN. APPLICABLE TO  
FINLESS FRAME.

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
HORIZONTAL COMPONENT CROSS-SECTIONS & CLIP

DRAWN BY: RJA

DATE: 10/18/20

DRAWING NO: ECOGLASS0011

SHEET: 12 OF 16



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

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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net



| Item | PART No.                                       | Item Description                                 | Source                                              |
|------|------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| 1    | 8352, 8302, 8312, 8322, 8332, 8362, 8372, 8382 | Head track profile                               | P.H. Tech                                           |
| 2    | 8321                                           | Head track                                       | P.H. Tech                                           |
| 3    | 8323                                           | Head Cover (Option)                              | P.H. Tech                                           |
| 4    | 8331                                           | Head Cover Rail                                  | P.H. Tech                                           |
| 5    | 8942.VIS10                                     | No 10 x 2", Pan head, Phillips, SS Screw         | P.H. Tech                                           |
| 6    | 703                                            | Head Weatherseal block                           | P.H. Tech                                           |
| 7    | 8941                                           | No. 8-18 x 1 1/4", Pan head, Quadrex screw       | P.H. Tech                                           |
| 8    | 7003                                           | Fixed sash anchor block                          | P.H. Tech                                           |
| 9    |                                                | Sealant                                          | Various                                             |
| 10   |                                                | Glass                                            | Various                                             |
| 11   | 6352                                           | Drip Cap                                         | P.H. Tech                                           |
| 12   | 8813.VIS10                                     | No. 10-12 x 5/8", special mushroom head, Quadrex | P.H. Tech                                           |
| 13   | 8301                                           | Fixed Rail Support                               | P.H. Tech                                           |
| 14   | 9730                                           | Sill cladding                                    | P.H. Tech                                           |
| 15   | 8350, 8300, 8310, 8320, 8330, 8360, 8370, 8380 | Sill track profile                               | P.H. Tech                                           |
| 16   | 9708                                           | Sliding rail                                     | P.H. Tech                                           |
| 17   | 8389.58.CAPEV                                  | Cap (bumper of the central mobile sash)          | P.H. Tech                                           |
| 18   | 8389.04.ARREV                                  | Bumper (central mobile sash)                     | P.H. Tech                                           |
| 19   | 8397                                           | Mobile sash anchor block (welded)                | P.H. Tech                                           |
| 20   | 9732                                           | Tandem Wheel                                     | P.H. Tech (Truth)                                   |
| 21   | 9718                                           | Sill protector                                   | P.H. Tech                                           |
| 22   | 8371                                           | Sill weatherseal block (33mm)                    | P.H. Tech                                           |
| 23   | 8381                                           | Sill Weatherseal block (37mm)                    | P.H. Tech                                           |
| 24   | 8354, 8304 8314, 8324, 8334, 8364, 8374, 8384  | Jamb track profile                               | P.H. Tech                                           |
| 25   | 8313                                           | Jamb cover                                       | P.H. Tech                                           |
| 26   | 9748                                           | Handle Kit                                       | P.H. Tech (Roto Fasco)                              |
| 27   | 8303                                           | Bulb weatherstrip adaptor                        | P.H. Tech                                           |
| 28   | 9581 9575                                      | Weatherstrip                                     | Ultrafab #T-GB-42027045-GY<br>Schlegel #HF-7532-270 |
| 29   | 9250                                           | Mortise Lock / Keeper kit                        | P.H. Tech (Roto Fasco)                              |
| 30   | 8378                                           | Frame Corner Gasket (Sill)                       | P.H. Tech                                           |
| 31   | 8379                                           | Frame Corner Gasket (Head)                       | P.H. Tech                                           |
| 32   | 8781                                           | Rail foam plug                                   | P.H. Tech                                           |
| 33   | 8782                                           | Anti bug foam (rail)                             | P.H. Tech                                           |
| 34   | 8783                                           | Anti bug foam (sill)                             | P.H. Tech                                           |
| 35   | 8784                                           | Fixed sash foam bloc                             | P.H. Tech                                           |
| 36   | 8387                                           | Sill protector foam gasket (mobile)              | P.H. Tech                                           |
| 37   | 8786                                           | Bottom weatherstrip (center sash)                | P.H. Tech                                           |
| 38   | 8787                                           | Top weatherstrip (center sash)                   | P.H. Tech                                           |
| 39   | 8377                                           | Sill protector foam gasket                       | P.H. Tech                                           |
| 40   | 8788                                           | Rail foam plug                                   | P.H. Tech                                           |
| 41   | 8940                                           | Bumper                                           | P.H. Tech                                           |
| 42   | 8703                                           | Head block                                       | P.H. Tech                                           |

| Item | PART No.                                 | Item Description                                       | Source                                   |
|------|------------------------------------------|--------------------------------------------------------|------------------------------------------|
| 43   | 8373                                     | Spacer for blocks 703/8703                             | P.H. Tech                                |
| 44   | 9893                                     | Double contact tape (0.250" x 0.045")                  | 3M #HB 4941                              |
| 45   | 7508.F                                   | Fixed horizontal rail                                  | P.H. Tech                                |
| 46   | 9867.VIS08                               | No. 8-10 x 5/8", pan head, quadrex self-drilling screw | P.H. Tech                                |
| 47   | 9619.VIS08                               | No. 8-15 x 2 3/4", flat head, Quadrex, Wood screw      | P.H. Tech                                |
| 48   | 9796.VIS08                               | No. 8-10 x 5/8", pan head, quadrex screw               | P.H. Tech                                |
| 49   | 9667                                     | Screw Cap                                              | P.H. Tech                                |
| 50   | 8933                                     | Setting block (glass)                                  | P.H. Tech                                |
| 51   | 7508.M                                   | Mobile horizontal rail                                 | P.H. Tech                                |
| 52   | 7541                                     | Tandem Wheel setting block                             | P.H. Tech                                |
| 53   | 9584                                     | Weatherstrip                                           | Amesbury/Truth Foamtile #32343           |
| 54   | 7507-M                                   | Mobile side stile (2080 & less)                        | P.H. Tech                                |
| 55   | 9597                                     | Mobile side stile steel reinforcement (6sashes)        | P.H. Tech                                |
| 56   | 7506                                     | Meeting stile (2080 & less)                            | P.H. Tech                                |
| 57   | 9599                                     | Meeting stile steel reinforcement (2080&less)          | P.H. Tech                                |
| 58   | 8842                                     | Sliding cap                                            | P.H. Tech                                |
| 59   | 7523                                     | Groove cover                                           | P.H. Tech                                |
| 60   | 9550                                     | Weatherstrip                                           | Schlegel #HF-7522-270<br>Nap #RPHF027023 |
| 61   | 7547-F                                   | Fixed side stile (2080 & less)                         | P.H. Tech                                |
| 62   | 7026                                     | Interlock                                              | P.H. Tech                                |
| 63   | 8395-L/R                                 | Drip Cap Cover (Left/Right)                            | P.H. Tech                                |
| 64   |                                          | Stapple (15mm)                                         | Various                                  |
| 65   | 9853                                     | Foam plug                                              | P.H. Tech                                |
| 66   | 5770, 5771, 5772, 5775, 5792, 5793, 5796 | Glazing bead                                           | P.H. Tech                                |
| 67   | 8789                                     | Spacer for bumper                                      | P.H. Tech                                |
| 68   |                                          |                                                        |                                          |
| 69   |                                          |                                                        |                                          |
| 70   |                                          |                                                        |                                          |
| 71   |                                          |                                                        |                                          |
| 72   |                                          |                                                        |                                          |
| 73   |                                          |                                                        |                                          |
| 74   | 8325                                     | Astragal                                               | P.H. Tech                                |
| 75   | 8760                                     | Astragal steel reinforcement                           | P.H. Tech                                |
| 76   | 9655                                     | Astragal sealant                                       | P.H. Tech                                |
| 77   | 8772                                     | No. 8 x 2", flat head, Quadrex screw, self drilling    | P.H. Tech                                |
| 78   | 8709                                     | 5/32 pop-rivet                                         | P.H. Tech                                |
| 79   | 9873                                     | Corner block                                           | P.H. Tech                                |
| 80   | 8771                                     | Astragal foam block                                    | P.H. Tech                                |
| 81   | 9135                                     | Mullion block (2X)                                     | P.H. Tech                                |

\* = Option

SERIES S-8375 SLIDING GLASS DOOR  
OXXXXO WITHOUT INSECT SCREEN

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
BILL OR MATERIALS - OXXXXO SGD W/O SCREEN

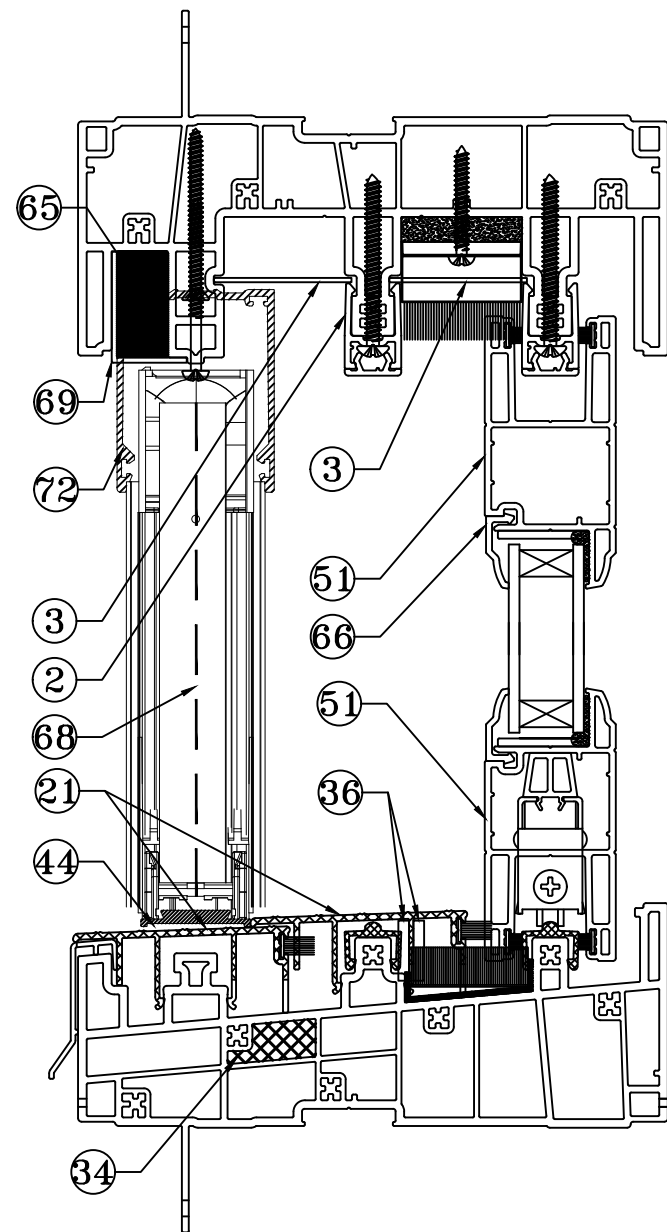
DRAWN BY: RJA  
SCALE: N.T.S.  
REV: ---

DATE: 10/18/20  
DRAWING NO: ECOGLASS0011  
SHEET: 13 OF 16

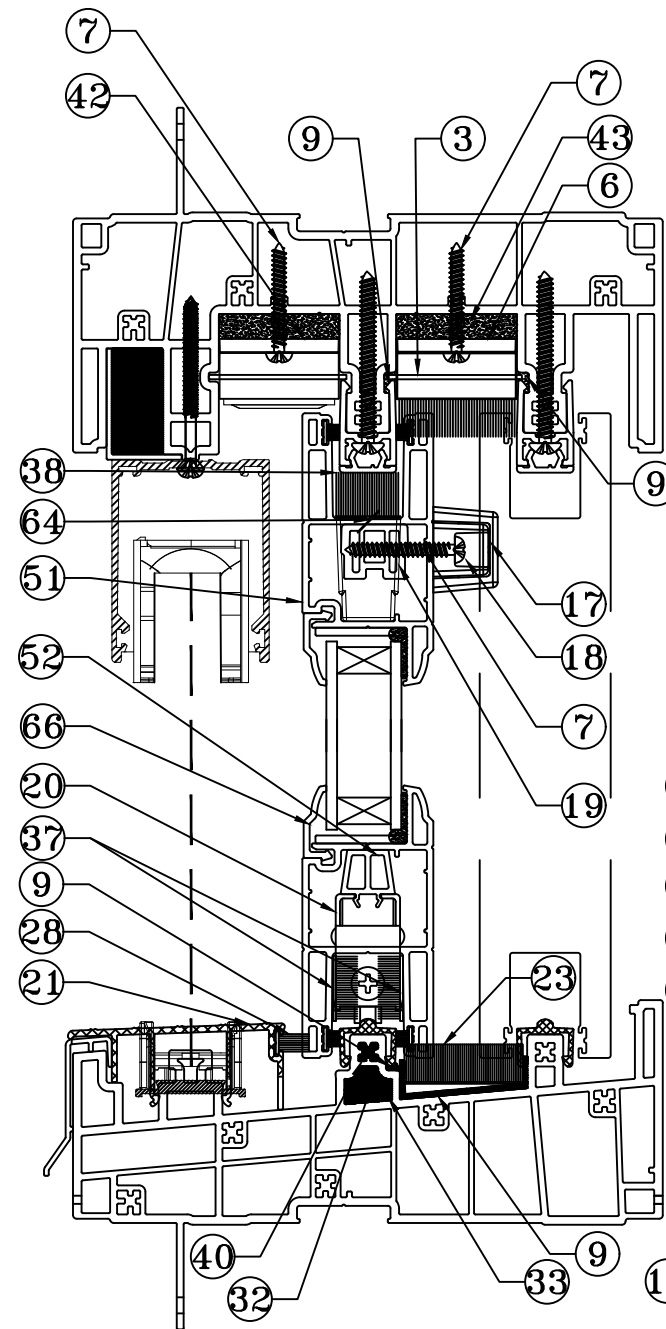
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net

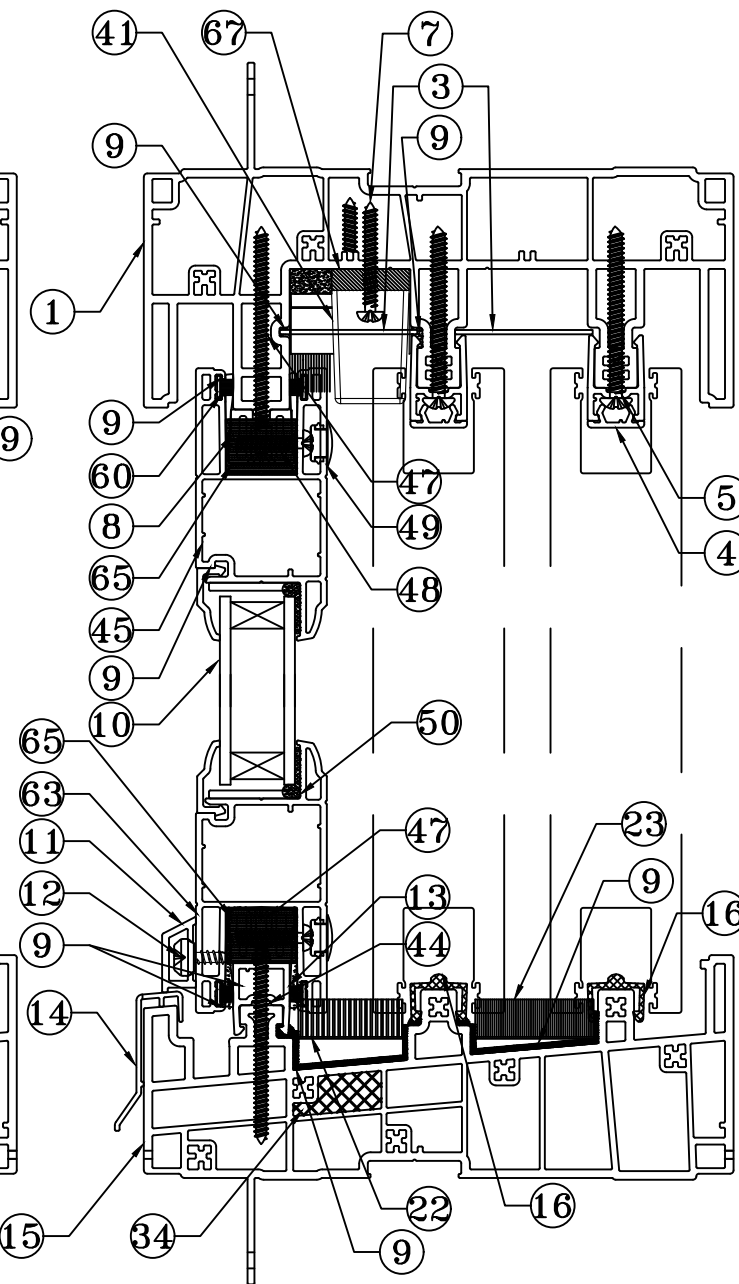




SECTION A-A



SECTION B-B



SECTION C-C

## VERTICAL CROSS SECTIONS A-A, B-B AND C-C

with INSECT SCREEN

w/NAILING FIN (see Note 1)

(SEE SHEET 16 FOR BOM)

NOTE 1: FIN FRAME  
SHOWN. APPLICABLE TO  
FINLESS FRAME.

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE: SERIES S-8375 SLIDING GLASS DOOR (OXXXX)  
VERTICAL COMPONENT CROSS-SECTIONS

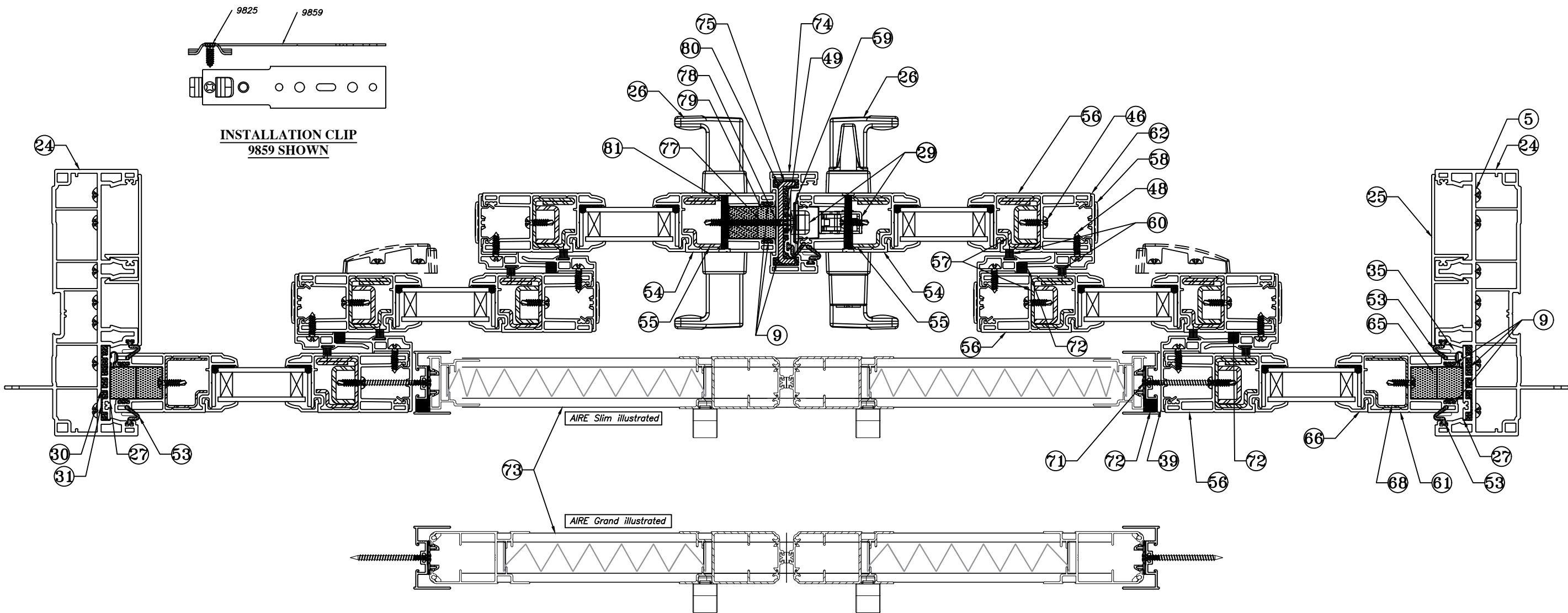


321-207-0507 | info@vk-ecoglass.com

DRAWN BY: RJA  
SCALE: N.T.S.  
REV: ---  
DATE: 10/18/20  
DRAWING NO: ECOGLASS0011  
SHEET: 14 OF 16

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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net



**HORIZONTAL CROSS SECTION D-D**  
**with INSECT SCREEN**  
**w/NAILING FIN (see Note 1)**  
**(SEE SHEET 16 FOR BOM)**

NOTE 1: FIN FRAME  
SHOWN. APPLICABLE TO  
FINLESS FRAME.

PROJECT NO. ACE-2020-106

ECO GLASS, LLC  
144 HOPE STREET  
LONGWOOD, FL 32750

TITLE:  
SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)  
HORIZONTAL COMPONENT CROSS-SECTIONS & CLIP

DRAWN BY:  
RJA

SCALE:  
N.T.S.

REV:  
---

DATE:  
10/18/20

DRAWING NO:  
ECOGLOSS0011

SHEET:  
15 OF 16

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

12472 LAKE UNDERHILL RD.  
SUITE NO. 148  
ORLANDO, FL 32828  
robert.amoruso@comcast.net

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

**ECO GLASS**  
ADVANCED FLORIDA WINDOW SOLUTION

| Item | PART No.                                       | Item Description                                 | Source                                              |
|------|------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| 1    | 8352, 8302, 8312, 8322, 8332, 8362, 8372, 8382 | Head track profile                               | P.H. Tech                                           |
| 2    | 8321                                           | Head track                                       | P.H. Tech                                           |
| 3    | 8323                                           | Head Cover (Option)                              | P.H. Tech                                           |
| 4    | 8331                                           | Head Cover Rail                                  | P.H. Tech                                           |
| 5    | 8942.VIS10                                     | No 10 x 2", Pan head, Phillips, SS Screw         | P.H. Tech                                           |
| 6    | 703                                            | Head Weatherseal block                           | P.H. Tech                                           |
| 7    | 8941                                           | No. 8-18 x 1 1/4", Pan head, Quadrex screw       | P.H. Tech                                           |
| 8    | 7003                                           | Fixed sash anchor block                          | P.H. Tech                                           |
| 9    |                                                | Sealant                                          | Various                                             |
| 10   |                                                | Glass                                            | Various                                             |
| 11   | 6352                                           | Drip Cap                                         | P.H. Tech                                           |
| 12   | 8813.VIS10                                     | No. 10-12 x 5/8", special mushroom head, Quadrex | P.H. Tech                                           |
| 13   | 8301                                           | Fixed Rail Support                               | P.H. Tech                                           |
| 14   | 9730                                           | Sill cladding                                    | P.H. Tech                                           |
| 15   | 8350, 8300, 8310, 8320, 8330, 8360, 8370, 8380 | Sill track profile                               | P.H. Tech                                           |
| 16   | 9708                                           | Sliding rail                                     | P.H. Tech                                           |
| 17   | 8389.58.CAPEV                                  | Cap (bumper of the central mobile sash)          | P.H. Tech                                           |
| 18   | 8389.04.ARREV                                  | Bumper (central mobile sash)                     | P.H. Tech                                           |
| 19   | 8397                                           | Mobile sash anchor block (welded)                | P.H. Tech                                           |
| 20   | 9732                                           | Tandem Wheel                                     | P.H. Tech (Truth)                                   |
| 21   | 9718                                           | Sill protector                                   | P.H. Tech                                           |
| 22   | 8371                                           | Sill weatherseal block (33mm)                    | P.H. Tech                                           |
| 23   | 8381                                           | Sill Weatherseal block (37mm)                    | P.H. Tech                                           |
| 24   | 8354, 8304 8314, 8324, 8334, 8364, 8374, 8384  | Jamb track profile                               | P.H. Tech                                           |
| 25   | 8313                                           | Jamb cover                                       | P.H. Tech                                           |
| 26   | 9748                                           | Handle Kit                                       | P.H. Tech (Roto Fasco)                              |
| 27   | 8303                                           | Bulb weatherstrip adaptor                        | P.H. Tech                                           |
| 28   | 9581 9575                                      | Weatherstrip                                     | Ultrafab #T-GB-42027045-GY<br>Schlegel #HF-7532-270 |
| 29   | 9250                                           | Mortise Lock / Keeper kit                        | P.H. Tech (Roto Fasco)                              |
| 30   | 8378                                           | Frame Corner Gasket (Sill)                       | P.H. Tech                                           |
| 31   | 8379                                           | Frame Corner Gasket (Head)                       | P.H. Tech                                           |
| 32   | 8781                                           | Rail foam plug                                   | P.H. Tech                                           |
| 33   | 8782                                           | Anti bug foam (rail)                             | P.H. Tech                                           |
| 34   | 8783                                           | Anti bug foam (sill)                             | P.H. Tech                                           |
| 35   | 8784                                           | Fixed sash foam bloc                             | P.H. Tech                                           |
| 36   | 8387                                           | Sill protector foam gasket (mobile)              | P.H. Tech                                           |
| 37   | 8786                                           | Bottom weatherstrip (center sash)                | P.H. Tech                                           |
| 38   | 8787                                           | Top weatherstrip (center sash)                   | P.H. Tech                                           |
| 39   | 8377                                           | Sill protector foam gasket                       | P.H. Tech                                           |
| 40   | 8788                                           | Rail foam plug                                   | P.H. Tech                                           |
| 41   | 8940                                           | Bumper                                           | P.H. Tech                                           |
| 42   | 8703                                           | Head block                                       | P.H. Tech                                           |

| Item | PART No.                                 | Item Description                                       | Source                                   |
|------|------------------------------------------|--------------------------------------------------------|------------------------------------------|
| 43   | 8373                                     | Spacer for blocks 703/8703                             | P.H. Tech                                |
| 44   | 9893                                     | Double contact tape (0.250" x 0.045")                  | 3M #HB 4941                              |
| 45   | 7508.F                                   | Fixed horizontal rail                                  | P.H. Tech                                |
| 46   | 9867.VIS08                               | No. 8-10 x 5/8", pan head, quadrex self-drilling screw | P.H. Tech                                |
| 47   | 9619.VIS08                               | No. 8-15 x 2 3/4", flat head, Quadrex, Wood screw      | P.H. Tech                                |
| 48   | 9796.VIS08                               | No. 8-10 x 5/8", pan head, quadrex screw               | P.H. Tech                                |
| 49   | 9667                                     | Screw Cap                                              | P.H. Tech                                |
| 50   | 8933                                     | Setting block (glass)                                  | P.H. Tech                                |
| 51   | 7508.M                                   | Mobile horizontal rail                                 | P.H. Tech                                |
| 52   | 7541                                     | Tandem Wheel setting block                             | P.H. Tech                                |
| 53   | 9584                                     | Weatherstrip                                           | Amesbury/Truth Foamtile #32343           |
| 54   | 7507-M                                   | Mobile side stile (>2080)                              | P.H. Tech                                |
| 55   | 9597                                     | Mobile side stile steel reinforcement (6sashes)        | P.H. Tech                                |
| 56   | 7526                                     | Meeting stile (>2080)                                  | P.H. Tech                                |
| 57   | 9528                                     | Meeting stile steel reinforcement (>2080)              | P.H. Tech                                |
| 58   | 8842                                     | Sliding cap                                            | P.H. Tech                                |
| 59   | 7523                                     | Groove cover                                           | P.H. Tech                                |
| 60   | 9550                                     | Weatherstrip                                           | Schlegel #HF-7522-270<br>Nap #RPHF027023 |
| 61   | 7587-F                                   | Fixed side stile (>2080)                               | P.H. Tech                                |
| 62   | 7026                                     | Interlock                                              | P.H. Tech                                |
| 63   | 8395-L/R                                 | Drip Cap Cover (Left/Right)                            | P.H. Tech                                |
| 64   |                                          | Stapple (15mm)                                         | Various                                  |
| 65   | 9853                                     | Foam plug                                              | P.H. Tech                                |
| 66   | 5770, 5771, 5772, 5775, 5792, 5793, 5796 | Glazing bead                                           | P.H. Tech                                |
| 67   | 8789                                     | Spacer for bumper                                      | P.H. Tech                                |
| 68   | 9598-F                                   | Fixed side stile steel reinforcement (>2080)           | P.H. Tech                                |
| 69   | 1489                                     | Head Moulding for MultiPD with Screen                  | P.H. Tech                                |
| 70   | 8962.VIS06                               | No. 6-20 x 5/8", pan head, Quadrex, Wood screw         | P.H. Tech                                |
| 71   | 9785.VIS08                               | No. 8-15 x 2", truss head, Quadrex, Wood screw         | P.H. Tech                                |
| 72   | 8989                                     | Compression Joint Foam Block                           | P.H. Tech                                |
| 73   | 8335                                     | Retractable screen (AIRE Slim or AIRE Grand)           | Interlock USA                            |
| 74   | 8325                                     | Astragal                                               | P.H. Tech                                |
| 75   | 8760                                     | Astragal steel reinforcement                           | P.H. Tech                                |
| 76   | 9655                                     | Astragal sealant                                       | P.H. Tech                                |
| 77   | 8772                                     | No. 8 x 2", flat head, Quadrex screw, self drilling    | P.H. Tech                                |
| 78   | 8709                                     | 5/32 pop-rivet                                         | P.H. Tech                                |
| 79   | 9873                                     | Corner block                                           | P.H. Tech                                |
| 80   | 8771                                     | Astragal foam block                                    | P.H. Tech                                |
| 81   | 9135                                     | Mullion block (2X)                                     | P.H. Tech                                |

\* = Option

SERIES S-8375 SLIDING GLASS DOOR  
OXXXXO WITH INSECT SCREEN

|                          |  |  |  |             |
|--------------------------|--|--|--|-------------|
| PROJECT NO. ACE-2020-106 |  |  |  | BY          |
|                          |  |  |  | DATE        |
|                          |  |  |  | DESCRIPTION |
|                          |  |  |  | REV         |

|                                                         |                                                                                                |           |          |              |          |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------|----------|--------------|----------|
| ECO GLASS, LLC<br>144 HOPE STREET<br>LONGWOOD, FL 32750 | TITLE:<br>SERIES S-8375 SLIDING GLASS DOOR (OXXXXO)<br>BILL OR MATERIALS - OXXXXO SGD W/SCREEN | DRAWN BY: | DATE:    | DRAWING NO:  | SHEET:   |
|                                                         |                                                                                                | RJA       | 10/18/20 | ECOGLASS0011 | 16 OF 16 |
|                                                         |                                                                                                | SCALE:    |          |              |          |
|                                                         |                                                                                                | N.T.S.    |          |              |          |
|                                                         |                                                                                                | REV:      |          |              |          |
|                                                         |                                                                                                | ---       |          |              |          |

|                                                   |                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|
| Robert J. Amoruso, P.E.<br>Florida P.E. No. 49752 | 12472 LAKE UNDERHILL RD.<br>SUITE NO. 148<br>ORLANDO, FL 32828<br>robert.amoruso@comcast.net |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|