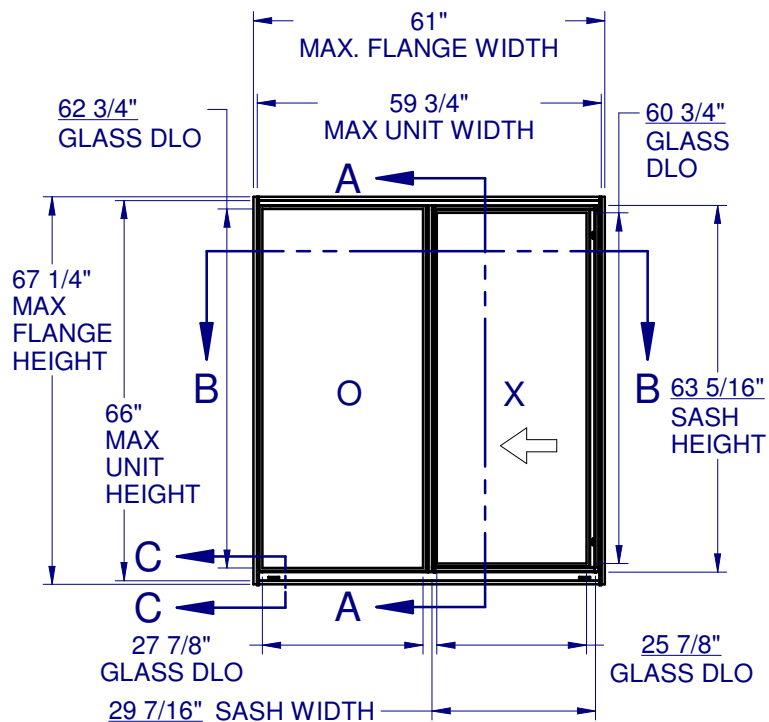
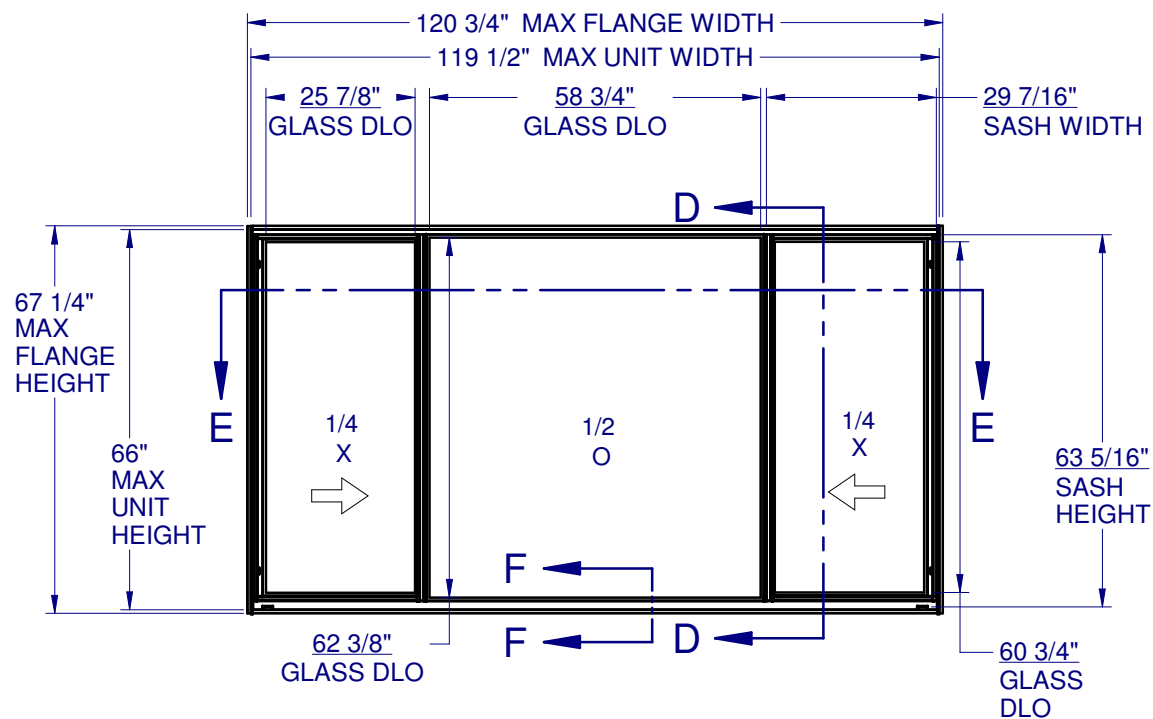


HORIZONTAL SLIDER - NON-IMPACT

(SHOWN W/ DIFFERENT OPTIONS)



MAX. SIZE W/ STD FIXED RAIL

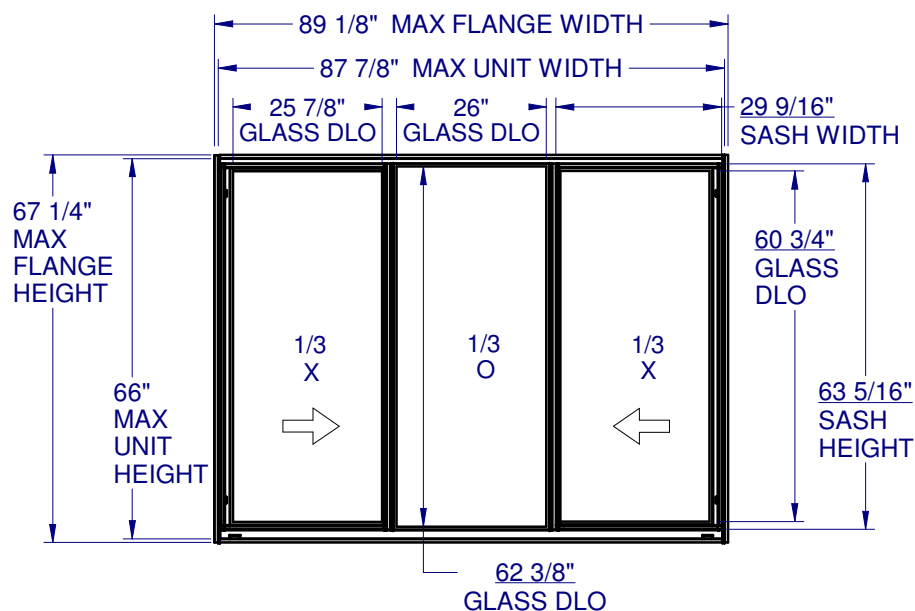
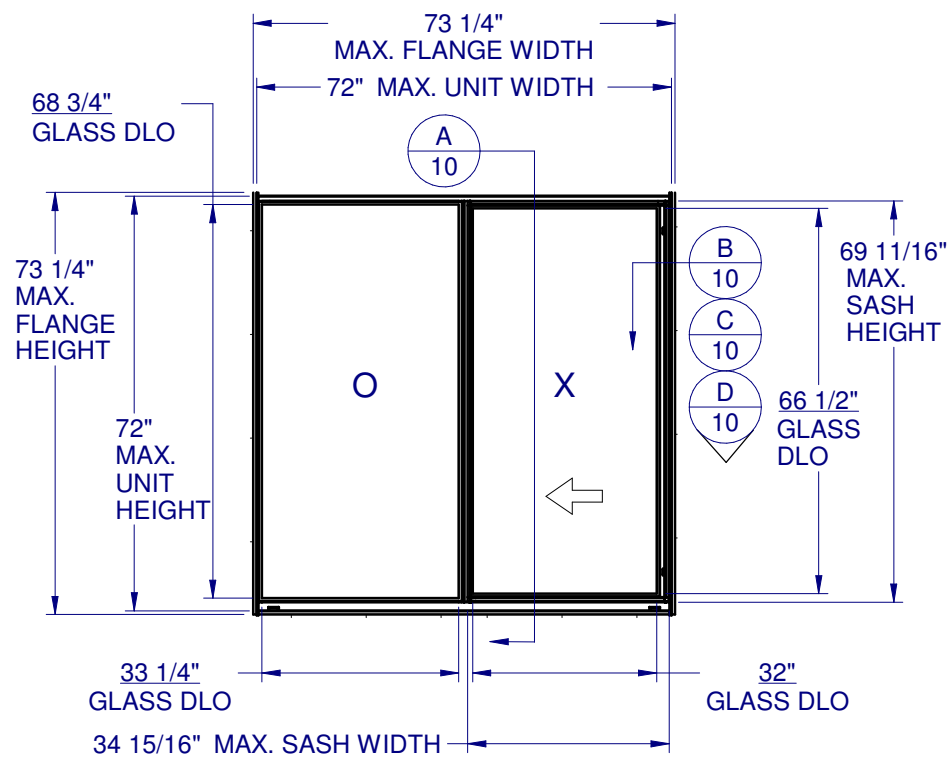


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 GLAZING DETAILS.....2
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 SECTION VIEWS & ALT. FRAME "OX" / "XO".....6
 SECTION VIEWS & ALT. FRAME "X/O/X".....7
 EXTRUSIONS & BILL OF MATERIALS.....8
 ANCHOR SCHEDULE & NOTES.....9
 INSTALLATION DETAIL.....10



MAX. SIZE W/ HD FIXED RAIL

GENERAL NOTES:

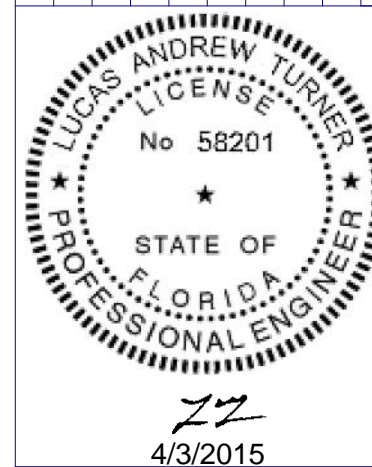
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "OX", "XO", "XOX".
4. DESIGN PRESSURE RATING:
 -NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04.
 -POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 10 FOR INSTALLATION DETAILS.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. ALL FRAMES AND VENTS SCREWED TOGETHER. SMALL JOINT SEAM SEALANT USE AT ALL FRAME JOINTS.
8. SERIES / MODEL DESIGNATION HS-7000.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
 X = OPERABLE SASH, O = FIXED SASH.
10. SECTION CALLOUTS FROM ELEVATIONS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. WEEP SLOTS = 1/4" X 1" LOCATED 3-1/2" FROM BOTH ENDS.



1900 SW 44TH AVE.
 OCALA, FLORIDA 34474
 WWW.CWS.CC

7000 ALUM. HORZ. SLIDER NON-IMPACT

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|--------------|-----|-------|
| EMK | 03/02/15 | | |
| ADE | 06/09/14 | | |
| TEF | 06/12/12 | | |
| TEF | 10/14/11 | | |
| ADE | 07/08/08 | | |



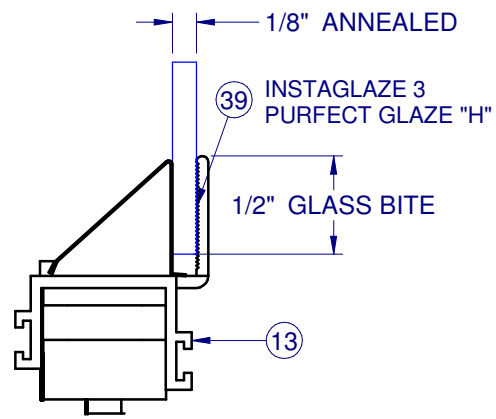
LUCAS A. TURNER, P.E.
 FL PE # 58201
 1239 JABARA AVE.
 NORTH PORT, FL 34288
 PH. 941-380-1574

SHEET DESCRIPTION:
 GENERAL NOTES AND ELEVATIONS

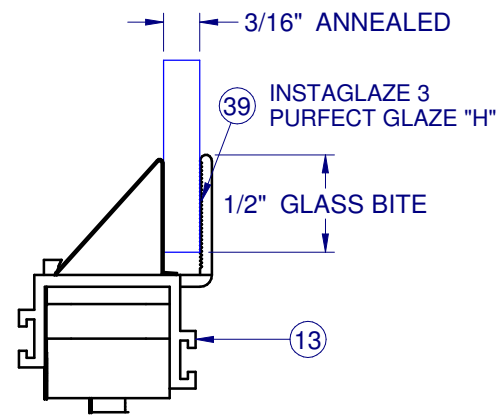
| | |
|-------------------|-------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:33.33 | SHEET 1 OF 10 |

| | |
|---|---------------|
| DESIGN PRESSURE RATING | IMPACT RATING |
| SEE COMPARATIVE ANALYSIS CHARTS, SHEETS 3-5 | NONE |

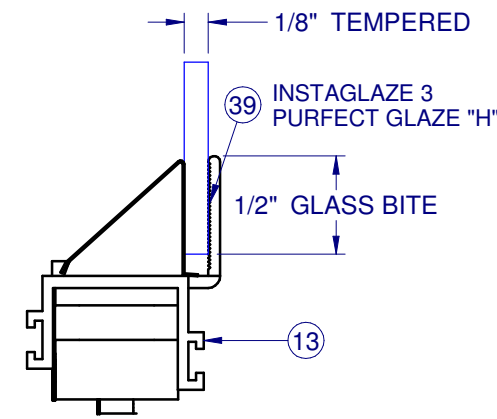
**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**



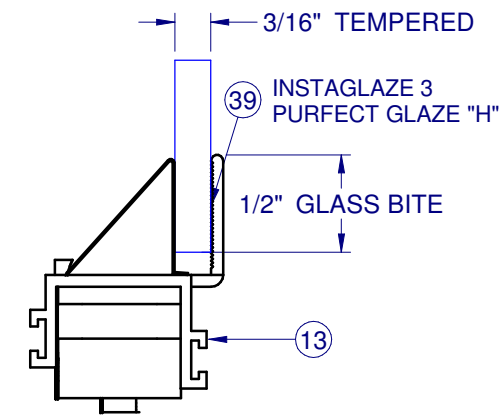
GLASS TYPE A



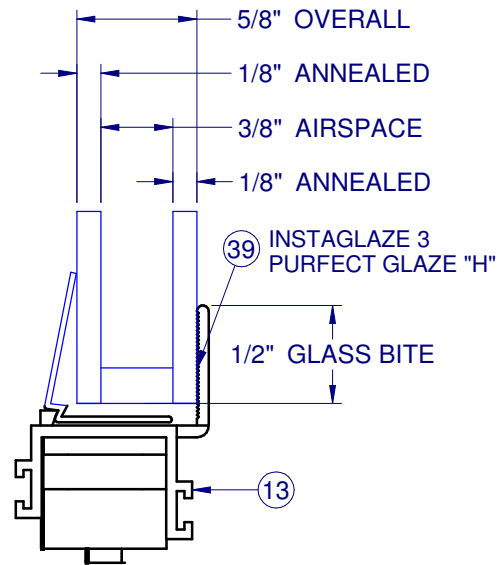
GLASS TYPE B



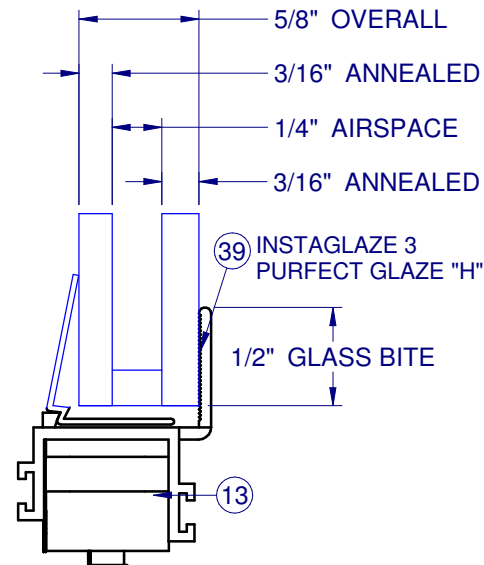
GLASS TYPE C



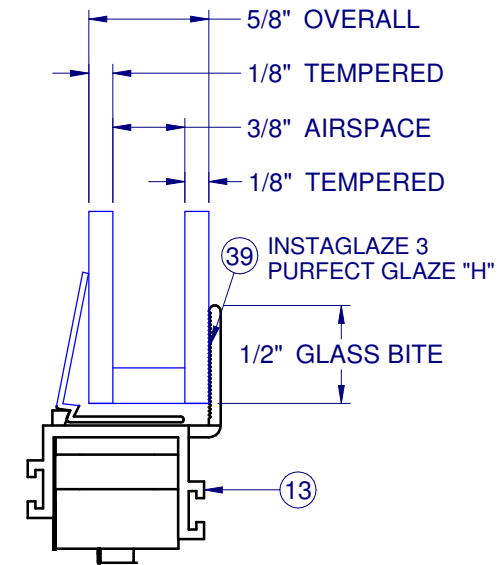
GLASS TYPE D



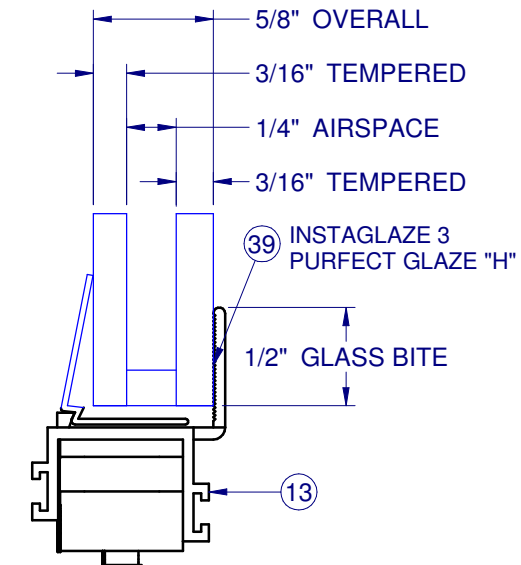
GLASS TYPE E



GLASS TYPE F



GLASS TYPE G



GLASS TYPE H

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |

22
 4/3/2015

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
GLAZING DETAILS

| | |
|--------------------------|--------------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1 | SHEET 2 OF 10 |

| Design Pressures (PSF) for "XO" Equal Split Configuration | | | | | | | | | | |
|---|----------|-------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| Unit | Glass | Unit Widths (in.) | | | | | | | | |
| Ht (in.) | Types | 24.75 | 29.5 | 35.5 | 39.5 | 43.5 | 47.5 | 51.5 | 55.5 | 59.75 |
| 17.875 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52 | +35 / -46.4 | +35 / -41.7 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52 | +35 / -46.4 | +35 / -41.7 |
| 23.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.5 | +35 / -41.5 | +35 / -36.7 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.5 | +35 / -41.5 | +35 / -36.7 |
| 29.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| 35.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| 41.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| 47.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -48.6 | +35 / -46.4 | +35 / -45.9 | +35 / -45.8 | +35 / -40.6 | +35 / -35 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| 53.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -49.7 | +35 / -42.6 | +35 / -39.6 | +35 / -38.7 | +35 / -38.8 | +35 / -38.8 | +35 / -35 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.1 | +35 / -40.6 | +35 / -35 |
| 59.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -47.2 | +35 / -39.6 | +35 / -35.4 | +33.3 / -33.3 | +33 / -33 | +33.3 / -33.3 | +33.6 / -33.6 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.5 | +35 / -47.2 | +35 / -44.5 | +35 / -40.6 | +35 / -35 |
| 66 | A | +35 / -52.5 | +35 / -52.5 | +35 / -45 | +35 / -37.2 | +31.9 / -31.9 | +29.1 / -29.1 | +28.3 / -28.3 | +28.3 / -28.3 | +28.6 / -28.6 |
| | B THRU F | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -48.2 | +35 / -44.5 | +35 / -41.5 | +35 / -39 | +35 / -36.9 | +35 / -35 |

| Design Pressures (PSF) for "XO" Equal Split Configuration | | | | | | | | | | | |
|---|-------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Unit | Glass | Unit Widths (in.) | | | | | | | | | |
| Ht (in.) | Types | 29.5 | 35.5 | 39.5 | 43.5 | 47.5 | 51.5 | 55.5 | 59.5 | 65.5 | 72 |
| 17.875 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -60.3 |
| 23.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -59.1 | +45 / -51.2 |
| 29.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.9 | +45 / -46.5 |
| 35.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.4 | +45 / -45 |
| 41.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.4 | +45 / -45 |
| 47.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.4 | +45 / -45 |
| 53.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.4 | +45 / -45 |
| 59.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.9 | +45 / -54.4 | +45 / -45 |
| 65.5 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -64.6 | +45 / -61.1 | +45 / -58.1 | +45 / -54.4 | +45 / -45 |
| 72 | G, H | +45 / -67.5 | +45 / -67.5 | +45 / -67.5 | +45 / -65.8 | +45 / -61.3 | +45 / -57.5 | +45 / -54.2 | +45 / -51.5 | +45 / -48 | +45 / -45 |

NOTE:

1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE



1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |



LT
4/3/2015

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

**COMPARATIVE ANALYSIS
XO**

| | |
|--------------------------|--------------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1 | SHEET 3 OF 10 |

Design Pressures (PSF) for "XOX" 1/3-1/3-1/3 Configuration

| Unit Ht (in.) | Glass Types | Unit Widths (in.) | | | | | | | |
|------------------|----------------|-------------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| | | 35.75 | 45.5 | 55.5 | 65.5 | 72.5 | 75.5 | 85.5 | 87.875 |
| 27.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35.1 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35.1 |
| 31.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 35.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 39.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 43.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.6 | +35 / -51.2 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 47.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -51.3 | +35 / -46.3 | +35 / -45.9 | +35 / -45.8 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 51.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -48.5 | +35 / -41.3 | +35 / -40.7 | +35 / -40.8 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.4 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 55.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -45.6 | +35 / -38 | +35 / -36.8 | +35 / -36.8 | +35 / -37 | +35 / -35 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.2 | +35 / -47.4 | +35 / -37 | +35 / -35 |
| 61.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -43.2 | +34.1 / -34.1 | +31.4 / -31.4 | +31.1 / -31.1 | +31.5 / -31.5 | +31.7 / -31.7 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.7 | +35 / -44.1 | +35 / -42.8 | +35 / -37 | +35 / -35 |
| 66 | A | +35 / -52.5 | +35 / -52.5 | +35 / -41.5 | +31.7 / -31.7 | +28.8 / -28.8 | +28.4 / -28.4 | +28.4 / -28.4 | +28.5 / -28.5 |
| | B THRU H | +35 / -52.5 | +35 / -52.5 | +35 / -50.1 | +35 / -43.8 | +35 / -40.4 | +35 / -39.2 | +35 / -35.7 | +35 / -35 |

NOTE:

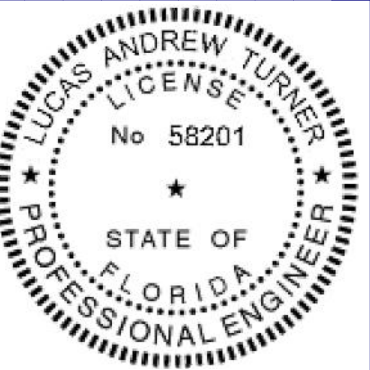
1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE



1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |



22
4/3/2015

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
**COMPARATIVE ANALYSIS
XOX 1/3-1/3-1/3**

| | |
|--------------------------|--------------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1 | SHEET 4 OF 10 |

Design Pressures (PSF) for "XOX" 1/4-1/2-1/4 Configuration

| Unit | Glass Types | Unit Widths (in.) | | | | | | | | |
|------|-------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | 35.75 | 45.5 | 55.5 | 65.5 | 75.5 | 85.5 | 99.5 | 111 | 120 |
| 27.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -48.9 | +35 / -40.4 | +34.9 / -34.9 | +30.8 / -30.8 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35.2 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35.2 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35.2 |
| 31.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.3 | +35 / -46.8 | +35 / -39.9 | +35 / -35 | +31.4 / -31.4 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 35.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.8 | +35 / -42.7 | +35 / -37.7 | +33.6 / -33.6 | +30.8 / -30.8 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 39.5 | A | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -48.9 | +35 / -43.5 | +35 / -39.1 | +34.4 / -34.4 | +30.9 / -30.9 | +28.9 / -28.9 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 43.5 | A | +35 / -52.5 | +35 / -51.3 | +35 / -49.7 | +35 / -44.9 | +35 / -39.8 | +35 / -36 | +31.2 / -31.2 | +28.3 / -28.3 | +26.5 / -26.5 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 47.5 | A | +35 / -50.2 | +35 / -45.9 | +35 / -44.8 | +35 / -41.1 | +35 / -37.1 | +33 / -33 | +28.8 / -28.8 | +25.9 / -25.9 | +24.5 / -24.5 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 51.5 | A | +35 / -47.1 | +35 / -40.7 | +35 / -40.7 | +35 / -38.5 | +34.5 / -34.5 | +30.5 / -30.5 | +26.5 / -26.5 | +24.1 / -24.1 | +22.6 / -22.6 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -48.3 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -47.8 | +35 / -40.9 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.9 | +35 / -40.9 | +35 / -35 |
| 55.5 | A | +35 / -44 | +35 / -36.9 | +35 / -37 | +35 / -35.3 | +31.6 / -31.6 | +28.4 / -28.4 | +24.7 / -24.7 | +22.4 / -22.4 | +20.8 / -20.8 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.1 | +35 / -50 | +35 / -45 | +35 / -40.9 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -51.2 | +35 / -44.4 | +35 / -40.4 | +35 / -35 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -49.8 | +35 / -40.9 | +35 / -35 |
| 61.5 | A | +35 / -41.5 | +31.6 / -31.6 | +31.6 / -31.6 | +31.2 / -31.2 | +28.9 / -28.9 | +25.8 / -25.8 | +22.6 / -22.6 | +20.3 / -20.3 | +19.1 / -19.1 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -51.3 | +35 / -48.1 | +35 / -46.9 | +35 / -45 | +35 / -41.1 | +35 / -38.1 | +35 / -35 |
| | E | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -49.8 | +35 / -46.1 | +35 / -40.7 | +35 / -36.6 | +34.5 / -34.5 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -49.8 | +35 / -46.1 | +35 / -42.4 | +35 / -40.4 | +35 / -35 |
| 66 | A | +35 / -40 | +29.1 / -29.1 | +28.5 / -28.5 | +28.8 / -28.8 | +26.8 / -26.8 | +24.4 / -24.4 | +20.9 / -20.9 | +19.1 / -19.1 | +17.7 / -17.7 |
| | B | +35 / -52.5 | +35 / -52.5 | +35 / -47.5 | +35 / -43.4 | +35 / -42.5 | +35 / -41.6 | +35 / -38.2 | +35 / -35.8 | +33.4 / -33.4 |
| | E | +35 / -52.5 | +35 / -52.4 | +35 / -51.2 | +35 / -50.2 | +35 / -45.4 | +35 / -41.8 | +35 / -37.7 | +34.3 / -34.3 | +31.9 / -31.9 |
| | C,D,F,G,H | +35 / -52.5 | +35 / -52.5 | +35 / -52.5 | +35 / -50.2 | +35 / -45.4 | +35 / -41.8 | +35 / -38.2 | +35 / -36.2 | +35 / -35 |

NOTE:

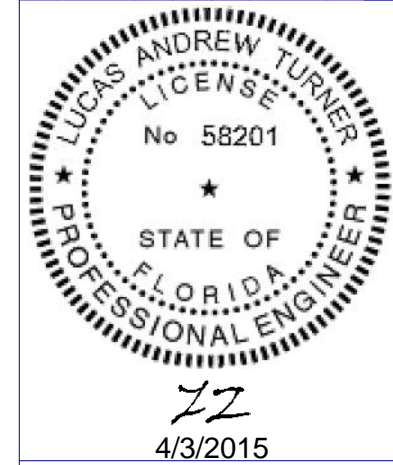
1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE



1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |

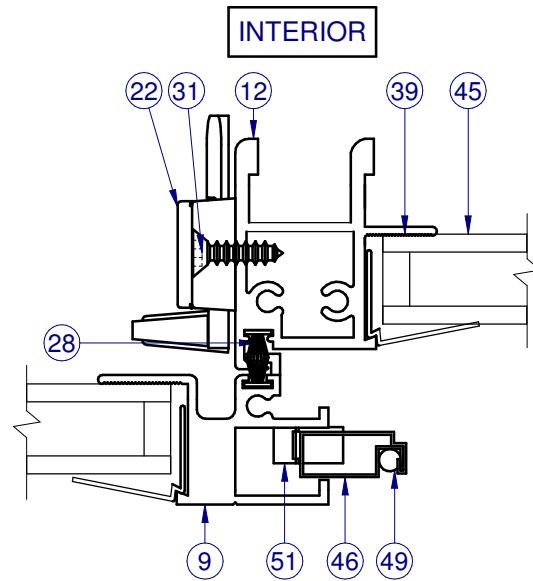
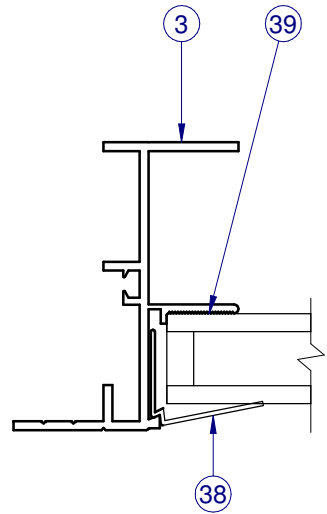
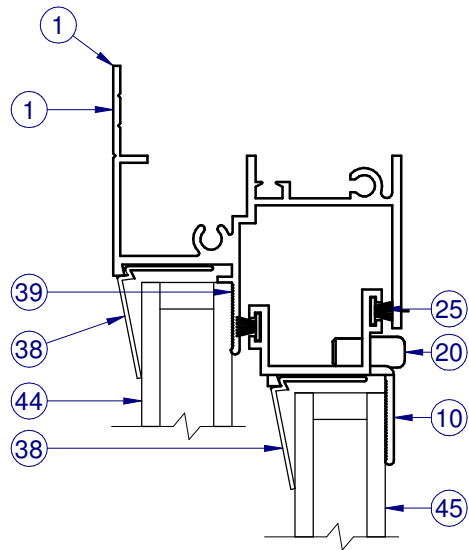


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FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

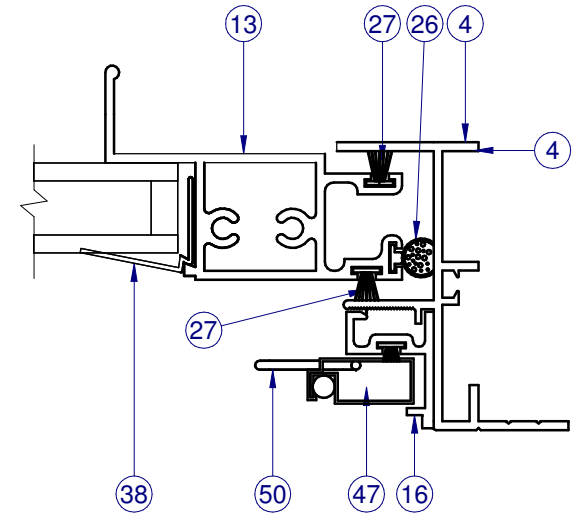
SHEET DESCRIPTION:
**COMPARATIVE ANALYSIS
XOX 1/4-1/2-1/4**

| | |
|--------------------------|--------------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1 | SHEET 5 OF 10 |

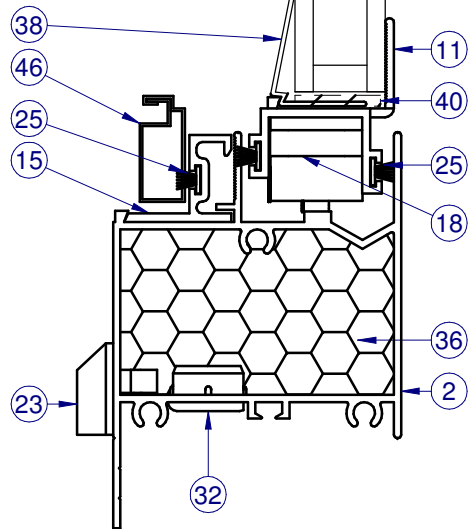
**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**



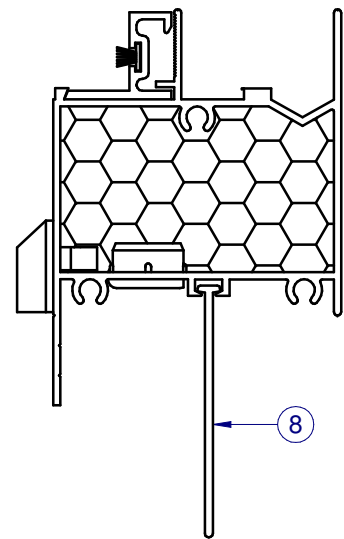
SECTION VIEW B-B



INTERIOR

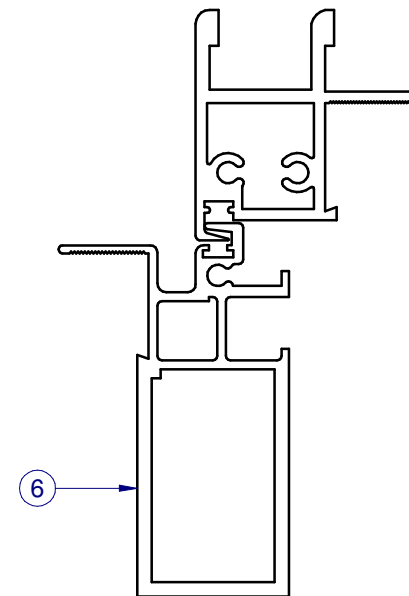


SECTION VIEW A-A



SECTION VIEW C-C
ALT. FIN FRAME

NOTE: SLIP ON NAILING FIN USED
TO CREATE FIN SILL.



ALTERNATE HD FIXED RAIL

ITEMS USED BUT NOT SHOWN FOR CLARITY:
5, 7, 14, 17, 19, 21, 29, 30, 33-35, 37, 41-43, 48

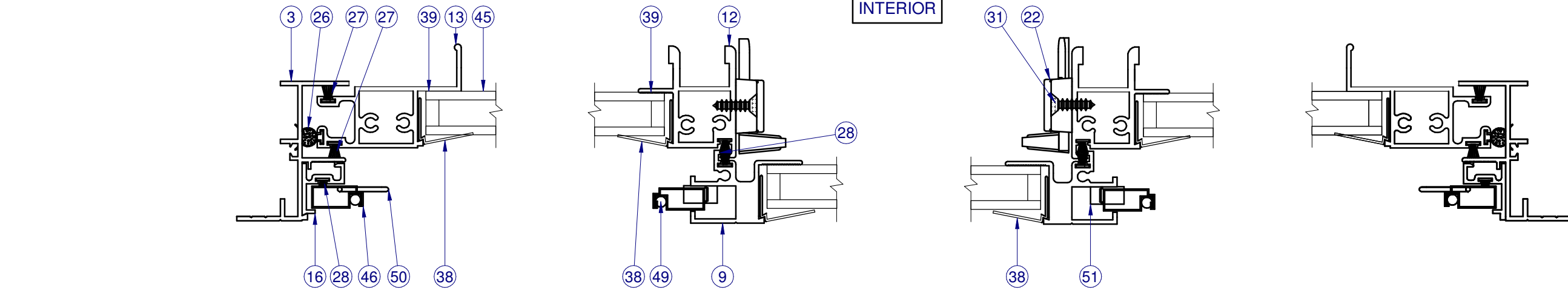
| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |



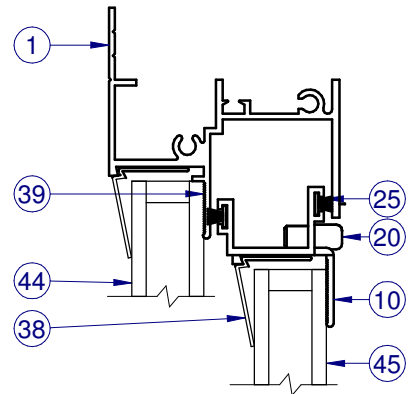
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FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

| | |
|---|--------------------------|
| SHEET DESCRIPTION: SECTION VIEWS OX | |
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1.33 | SHEET 6 OF 10 |

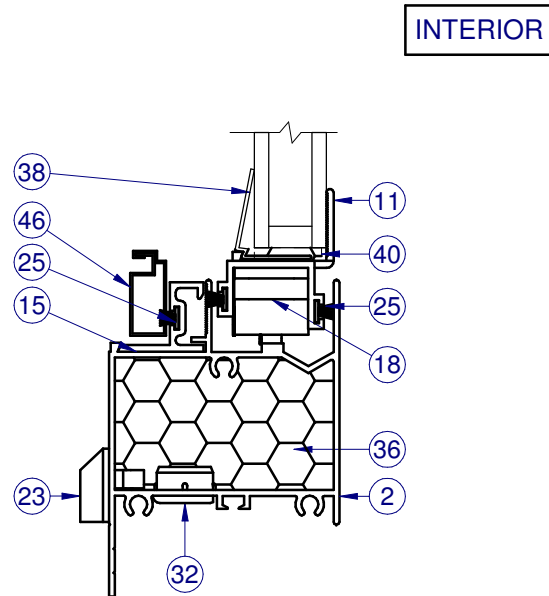
**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**



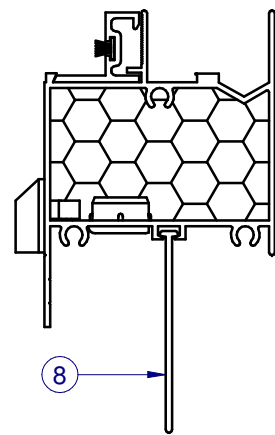
SECTION VIEW E-E



SECTION VIEW D-D

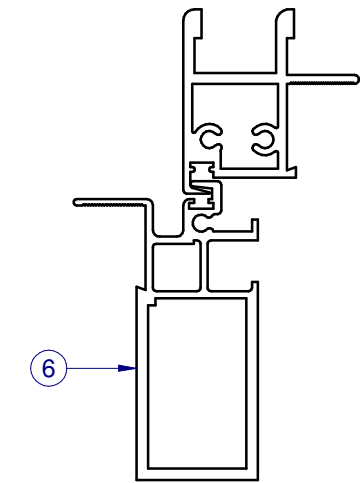


SECTION VIEW D-D



SECTION VIEW F-F
ALT. FIN FRAME

NOTE: SLIP ON NAILING FIN USED
TO CREATE FIN SILL.



ALTERNATE HD FIXED RAIL

ITEMS USED BUT NOT SHOWN FOR CLARITY:
5, 7, 14, 17, 19, 21, 29, 30, 33-35, 37, 41-43, 48

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |

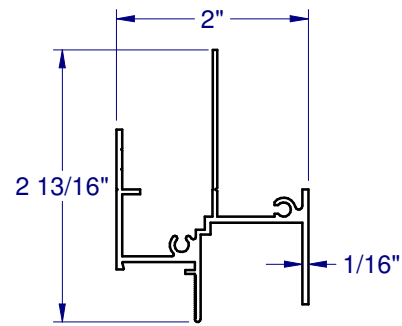


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PH. 941-380-1574

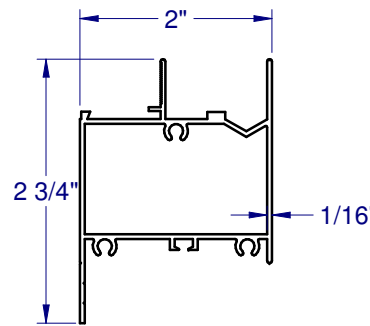
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|----------------------|-------------------|
| SHEET DESCRIPTION: | |
| SECTION VIEWS XOX | |
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:1.67 | SHEET 7 OF 10 |

PARTS LIST

| ITEM | PART # | DESCRIPTION | VENDOR | MATERIAL |
|------|--------|--|--------------|-------------|
| 1 | S-1077 | Fr. Head, Flg. | Keymark | Alum |
| 2 | H-1140 | Fr. Sill, HS-7000 | Keymark | Alum |
| 3 | S-1043 | Fr. Jamb, HS-7000, L. Jb. | Keymark | Alum |
| 4 | S-1043 | Fr. Jamb, HS-7000, R. Jb. | Keymark | Alum |
| 5 | S-1500 | Fr. Jamb, Fin., Head | Keymark | Alum |
| 6 | H-1569 | HD Fixed Mtg Rail | Keymark | Alum |
| 7 | S-1052 | Fr. Jamb Fin | Keymark | Alum |
| 8 | S-1123 | Nailing Fin | Keymark | Alum |
| 9 | S-1563 | Fxd. Mtg. Rail | Keymark | Alum |
| 10 | S-1073 | Sash Top Rail | Keymark | Alum |
| 11 | S-1073 | Sash Btm Rail | Keymark | Alum |
| 12 | H-1138 | Sash Meet. Rail | Keymark | Alum |
| 13 | H-1181 | Sash Bot./Pull Rail | Keymark | Alum |
| 14 | S-1197 | Install Clip | Keymark | Alum |
| 15 | S-1074 | Scrm. Adapt., w/o leg, Horiz. | Keymark | Alum |
| 16 | S-1075 | Scrm. Adapt., w/ leg, Vert. | Keymark | Alum |
| 17 | S-1465 | Install Clip | Keymark | Alum |
| 18 | P-3804 | Roller Assm., Tandem | M&M | Nylon |
| 19 | P-3042 | Sash End Cap | M&M | Nylon |
| 20 | P-3044 | Anti-Lift Stop | M&M | Nylon |
| 21 | P-3043 | Sash Stop | TeamPlastics | Rubber |
| 22 | P-3038 | Sweep Lock, | Lawrence | Plastic |
| 23 | P-3100 | Weep Cover, open | M&M | Nylon |
| 25 | P-3309 | Wstp., 0.210 x .187 back FinSeal, Black, SoftTouch | Ultrafab | |
| 26 | P-3011 | Wstp., 0.350 x .187 back, foam filled bulb w/wands | Ultrafab | |
| 27 | P-3305 | Wstp., 0.270 x .187 back FinSeal, Black, SoftTouch | Ultrafab | |
| 28 | P-3303 | Wstp., 0.190 x .187 back FinSeal, Gray, SoftTouch | Ultrafab | |
| 29 | P-3612 | #8 x 1.000 w/ 1/4" lead Quad PH Type A SMS | Fastenal | Steel |
| 30 | P-3635 | #8 x 0.750 Quad PH Type A SMS | Fastenal | Steel |
| 31 | P-3515 | #8 x 0.625 Ph FH Type A SMS | Fastenal | Steel |
| 32 | P-3034 | Plug, HS-7000, at FMR | M&M | Nylon |
| 33 | P-3342 | Seam Sealer, SM-5504 | Schnee | Silicone |
| 34 | P-3257 | Gasket, Hd. & Sill at Jb., SH-3500 | HOP | Closed Cell |
| 35 | P-3048 | Gasket, Sill, HS-7000 | HOP | Closed Cell |
| 36 | P-3397 | Open Cell Foam Pad | HOP | Open Cell |
| 37 | P-3003 | Shipping Clip | M&M | Nylon |
| 38 | P-3022 | Glaz. Bd. | TeamPlastics | PVC |
| 39 | P-3433 | InstaGlaze 3, Purfect Glaze "H" | Dow, Henkel | |
| 40 | P-3352 | Set. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg. | FrankLowe | Rubber |
| 41 | P-3643 | HS-7000 Gold Cert. Label, NFRC Tab | | |
| 42 | P-3881 | Temporary Lbl. (NFRC/DP) | | |
| 43 | P-3613 | CWS Lbl. (logo) | | |
| 44 | GLASS | SEE SHEET 2 | | |
| 46 | P-3218 | Screen Frame | Allmetal | RollForm |
| 47 | P-3321 | Screen Frame Corner Key | Allmetal | RollForm |
| 48 | P-3581 | Screen Cloth, 18 x 16 Fiberglass | Phifer | |
| 49 | P-3228 | Screen Spline, .155 Dia., Blk. | Dapa | |
| 50 | P-3029 | Screen Pull Tab | Hurley | |
| 51 | P-3033 | Screen Spring, SS | FlaSpring | |

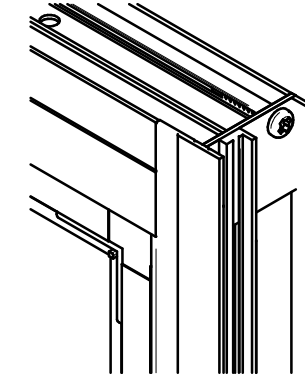


FIN HEAD S-1500



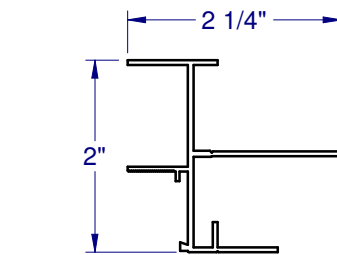
SILL H-1140

FRAME CORNER CONSTRUCTION

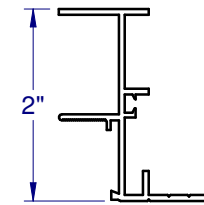


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WWW.CWS.CC

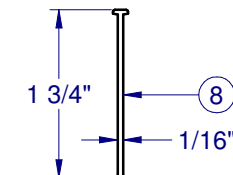
**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**



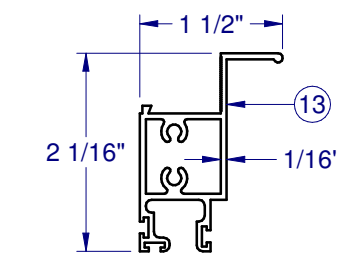
FIN JAMB S-1052



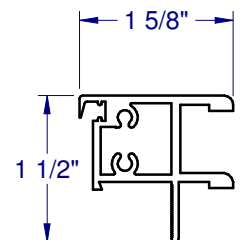
FLANGE JAMB S-1043



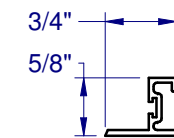
NAILING FIN S-1123



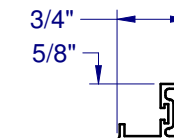
LIFT RAIL H-1181



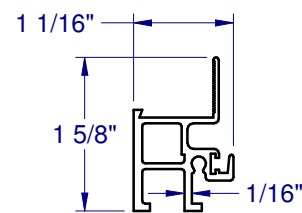
PULL RAIL H-1138



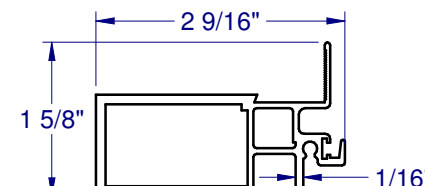
SCREEN CATCH S-1074



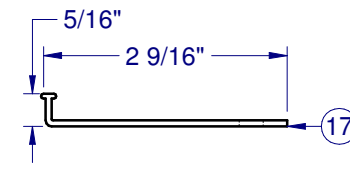
SCREEN CATCH S-1075



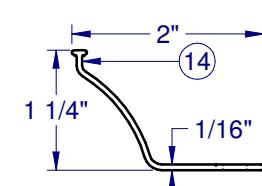
FIXED RAIL H-1563



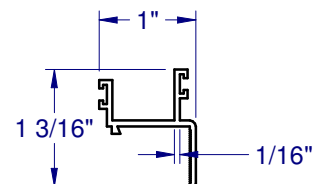
HD FIXED RAIL H-1569



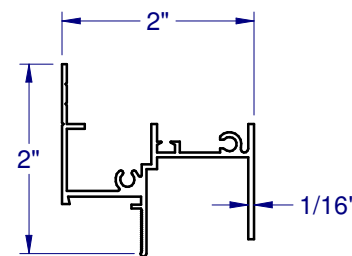
ANCHOR CLIP - 1465



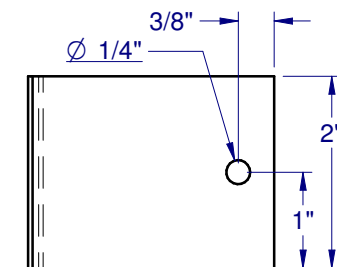
ANCHOR CLIP - 1197



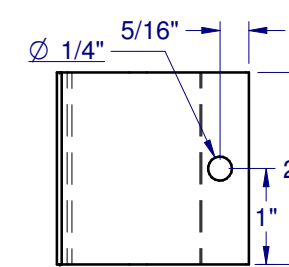
SASH TOP/BOT RAIL S-1073



FLANGE HEAD S-1077



PLAN VIEW



PLAN VIEW

LINE ITEMS NOTE USED:
24, 45

NOTE: ALL ALUMINUM EXTRUSION ARE 6063-T6 UNLESS OTHERWISE NOTED.

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |

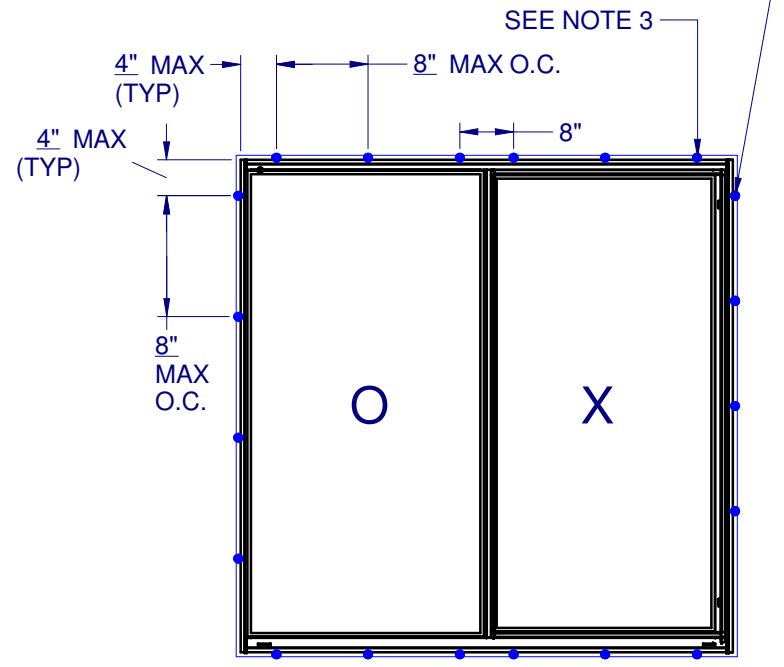
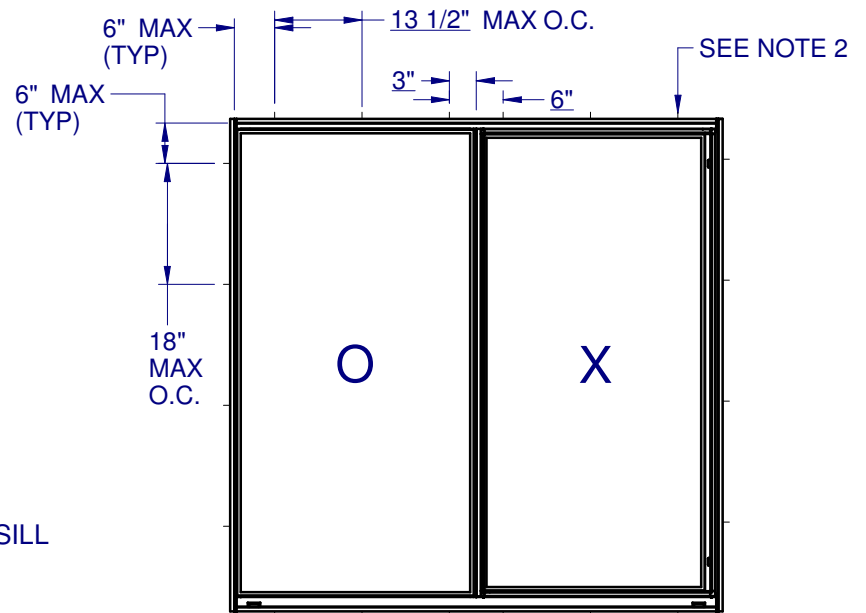
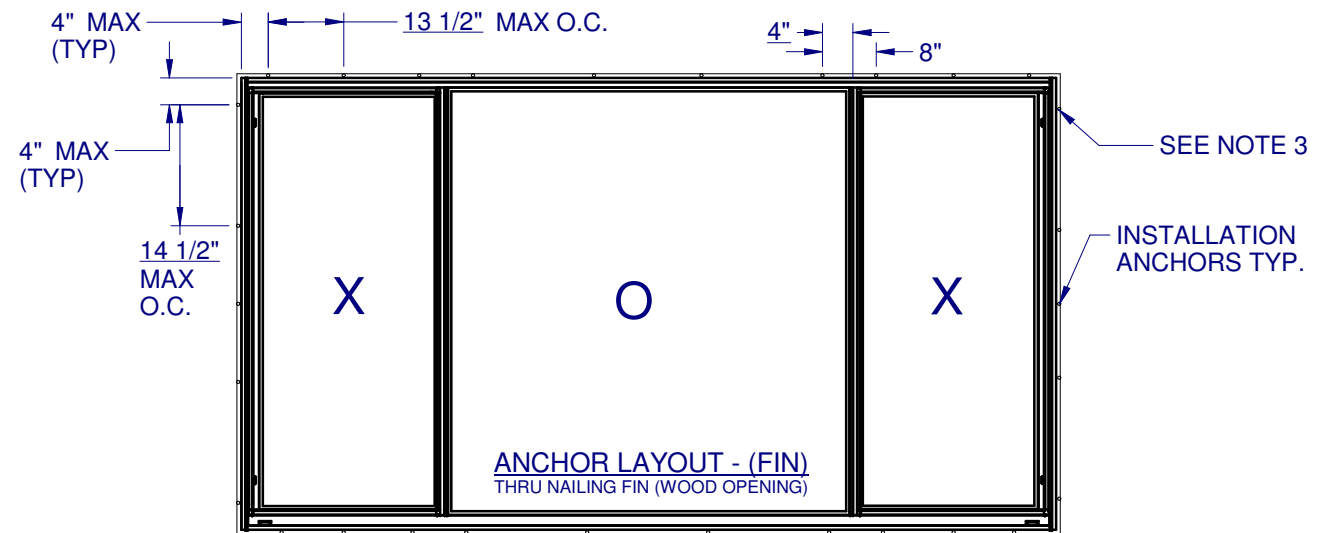
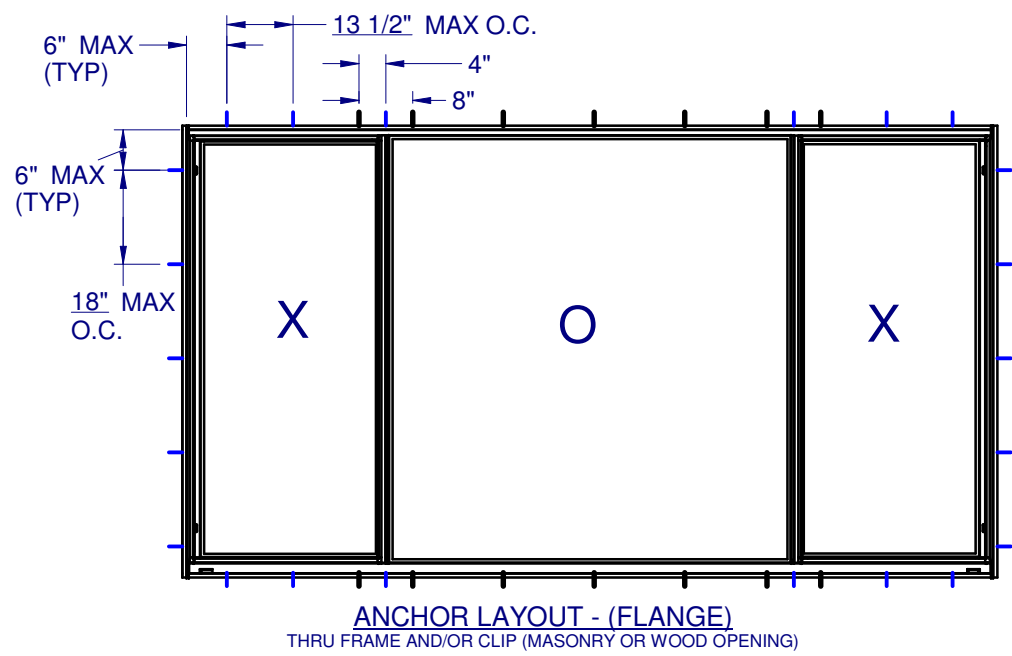


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FL PE # 58201
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NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
BOM AND EXTRUSIONS

| | |
|--------------------------|-------------------|
| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:4 | SHEET 8 OF 10 |

**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**



- NOTES:**
1. INSTALL ONE ANCHOR AT EACH LOCATION THRU WINDOW FRAME OR FIN. SILL ANCHOR SPACING SAME AS HEAD.
 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX ALLOWABLE SHIM STACK TO BE 1/4" USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
 3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 10.
 4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
 5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 10.
 6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND THE SUBSTRATE. INSTALLATIONS TO HOLLOWCMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3-9/16" FOR MASONRY, 1" FOR WOOD AND METAL.
 8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 10. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

| NO. | DESCRIPTION: | BY: | DATE: |
|-----|----------------------|-----|----------|
| E | UPDATED PER 2014 FBC | EMK | 03/02/15 |
| D | RENAMED, NEW SERIES | ADE | 06/09/14 |
| C | UPDATE TO NEW CODE | TEF | 06/12/12 |
| B | UPDATE TO NEW CODE | TEF | 10/14/11 |
| A | UPDATED PER 2010 FBC | ADE | 07/08/08 |



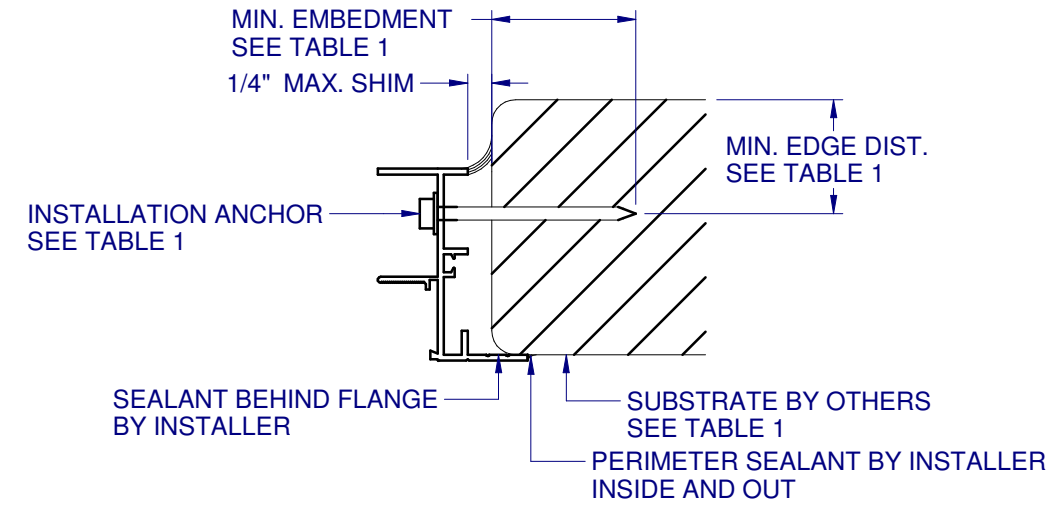
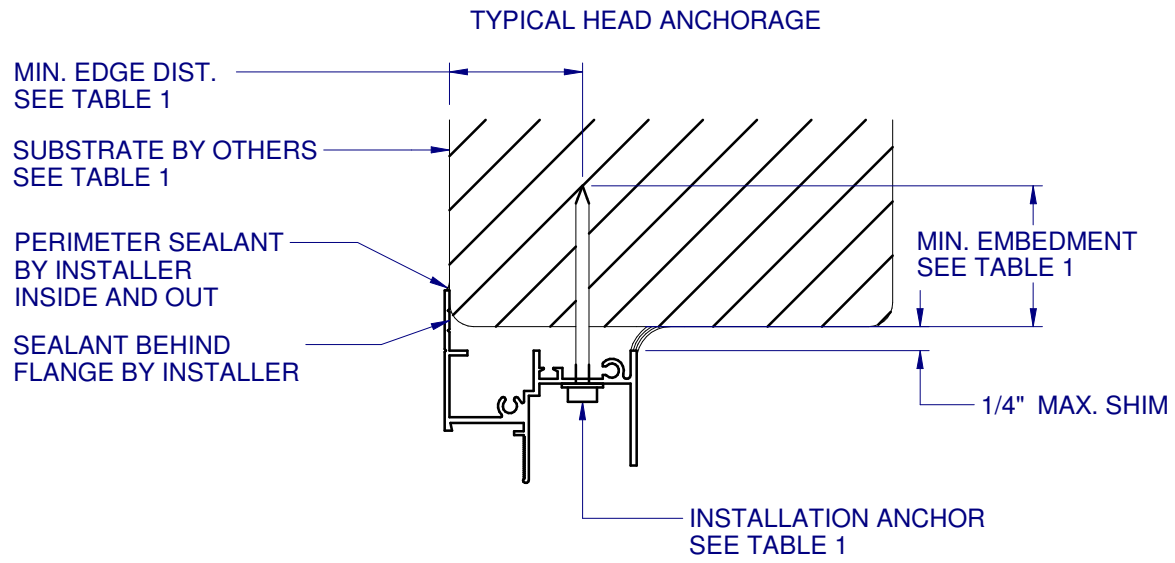
ZZ
4/3/2015
LUCAS A. TURNER, P.E.
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SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

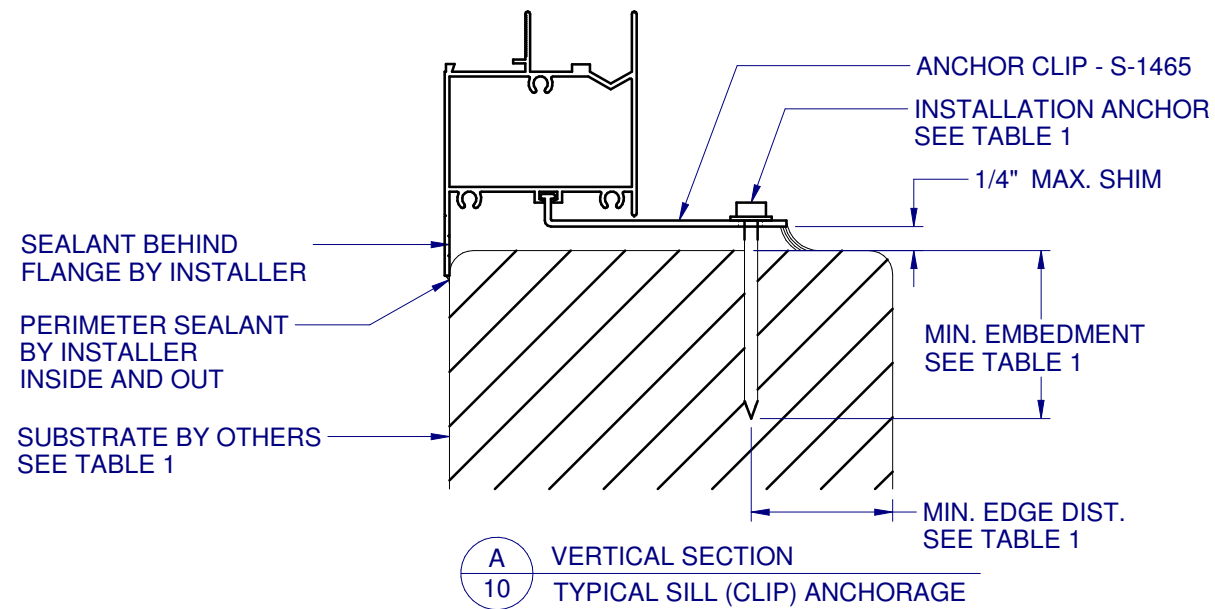
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| DRAWN BY: ADE | DATE: 06/12/08 |
| DWG #: CWS-172 | REV.: E |
| SCALE: 1:28.57 | SHEET 9 OF 10 |

**7000 ALUM.
HORZ. SLIDER
NON-IMPACT**

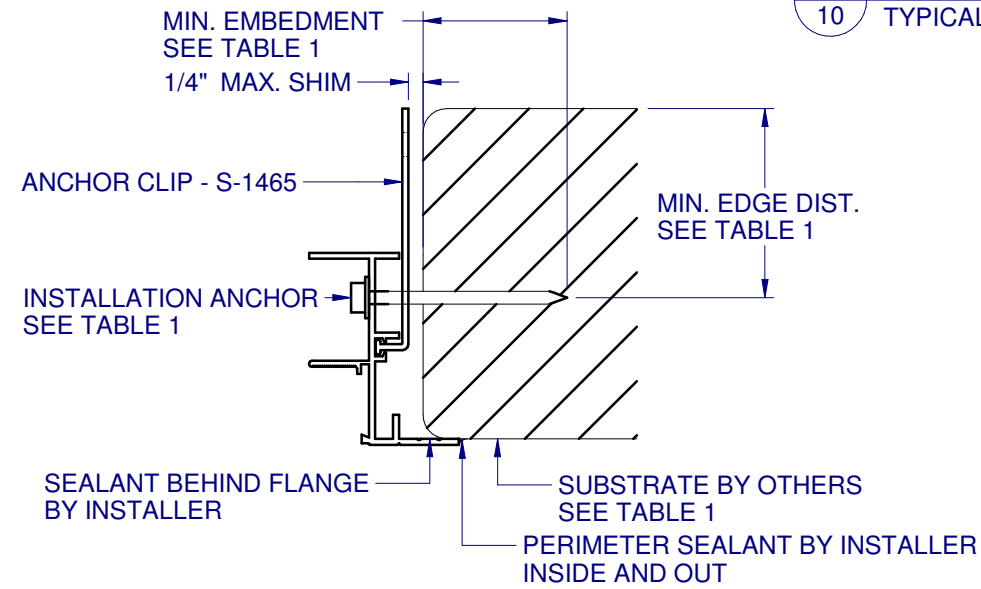
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|--|--|-----|----------|------|--------------|
| | | EMK | 03/02/15 | BY: | DATE: |
| | | ADE | 06/09/14 | BY: | DATE: |
| | | TEF | 06/12/12 | BY: | DATE: |
| | | TEF | 10/14/11 | BY: | DATE: |
| | | ADE | 07/08/08 | BY: | DATE: |
| | | | | NO.: | DESCRIPTION: |
| | | | | | REVISIONS |



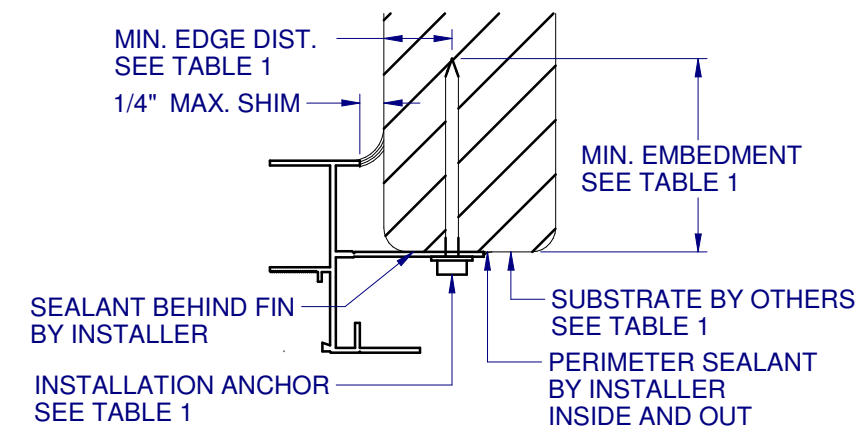
B HORIZONTAL SECTION
10 TYPICAL JAMB ANCHORAGE



A VERTICAL SECTION
10 TYPICAL SILL (CLIP) ANCHORAGE



C HORIZONTAL SECTION
10 TYPICAL CLIP ANCHORAGE
HEAD SIMILAR FOR CLIP INSTALLATION



D HORIZONTAL SECTION
10 TYPICAL FIN ANCHORAGE
HEAD & SILL SIMILAR FOR FIN INSTALLATION
SILL WILL REQUIRE USE OF NAILING FIN - S-1123

NOTE:
WHEN INSTALLING FLANGE UNITS WITH ANCHOR CLIPS AS SHOWN ON THIS SHEET, DESIGN PRESSURE IS LIMITED TO +/-30 PSF.

| FRAME TYPE | SUBSTRATE TYPE | ANCHOR TYPE | MIN. EMBEDMENT | MIN. EDGE DIST. |
|------------|--|---|----------------------------|-----------------|
| FLANGE | CONCRETE (2.0 KSI MIN.) | 3/16" ITW TAPCON | 1-1/2" | 1-1/8" |
| FLANGE | HOLLOW OR GROUT-FILLED CUM (117 PCF MIN.) | 3/16" ITW TAPCON | 1" | 2" |
| FLANGE | CONCRETE (2.85 KSI MIN.) | 3/16" ELCO ULTRACON | 1" | 1" |
| FLANGE | GROUT-FILLED CMU (ASTM C-90) | 3/16" ELCO ULTRACON | 1-3/4" | 2-1/2" |
| FLANGE | 2x MIN. SOUTHERN PINE (G=0.55 MIN.) | 3/16" ITW TAPCON OR ELCO ULTRACON | 1-3/8" | 7/8" |
| FLANGE | 2x MIN. SOUTHERN PINE (G=0.55 MIN.) | #10 WOOD SCREW | 1-3/8" | 7/8" |
| FLANGE | 16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN.) | #10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING | FULL THREAD THRU 0.060" | 1/2" |
| FLANGE | 1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.) | #10 GRADE 5 SELF-TAPPING / DRILLING SCREW | FULL THREAD THRU 0.125" | 1/2" |
| FIN | 2x MIN. SOUTHERN PINE (G=0.55 MIN.) | #8 WOOD SCREW | 1-1/2" | 7/16" |



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4/3/2015

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SHEET DESCRIPTION:

INSTALLATION DETAILS

| | |
|-----------|----------|
| DRAWN BY: | DATE: |
| ADE | 06/12/08 |
| DWG #: | REV.: |
| CWS-172 | E |
| SCALE: | SHEET |
| 1:1 | 10 OF 10 |