

# ANDERSEN CORPORATION

## 400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
PH: (651) 264-5150 FX: (651) 264-5485

**INSTALLATION NOTES:**

1. **INSTALLATION CLIPS:** ONE (1) INSTALLATION ANCHOR CLIP IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, EACH CLIP IS TO USE TWO (2) #8 WOOD SCREWS INTO WINDOW & TWO INSTALLATION ANCHORS (2) TO SUBSTRATE.
2. **THROUGH FRAME:** ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. **INSTALLATION CLIP:** FOR INSTALLATION INTO 2X BUCK USE TWO (2) #10 PAN HEAD WOOD SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE. ANCHORS THROUGH CLIP SHALL BE STAGGERED SUCH THAT THEY ARE SPACED A MIN. OF 1" APART.
  - 4.1. **NAIL FIN:** NAIL FIN IS REQUIRED WHEN USING INSTALLATION CLIP METHOD. USE #8 PAN HEAD WOOD SCREWS OR 10D COMMON NAILS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/8" EDGE DISTANCE. ANCHOR NAIL FIN 6" FROM CORNERS AND 10.5" O.C.
5. **INSTALLATION CLIP:** FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #10 HWH GRADE 5 SELF-DRILLING OR SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE. ANCHORS THROUGH CLIP SHALL BE STAGGERED SUCH THAT THEY ARE SPACED A MINIMUM OF 1" APART.
  - 5.1. **NAIL FIN:** NAIL FIN IS REQUIRED WHEN USING INSTALLATION CLIP METHOD. USE #8 HWH GRADE 5 SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE ANCHORS SHALL BE PLACED TO MAINTAIN MINIMUM 3/8" EDGE DISTANCE. ANCHOR NAIL FIN 6" FROM CORNERS AND 10.5" O.C.
6. **THROUGH FRAME:** FOR INSTALLATION INTO 2X BUCK USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
7. **THROUGH FRAME:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT AND SHALL MAINTAIN MINIMUM 2" EDGE DISTANCE.
8. **THROUGH FRAME:** FOR INSTALLATION INTO METAL SUBSTRATES USE #10 HWH GRADE 5 SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/4" EDGE DISTANCE.
9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
10. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
11. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.

**INSTALLATION NOTES (CONTINUED):**

12. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
13. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90
  - D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 48 MILS (18 GAUGE).
  - E. ALUMINUM - MINIMUM WALL THICKNESS OF 1/8", 6063-T5 ALLOY OR BETTER.

**GENERAL NOTES:**

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE, EXCLUDING HVHZ. THE PRODUCT HAS BEEN EVALUATED TO THE FOLLOWING:
  - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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 AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: *ALUMINUM CLAD AND WOOD*
7. SEE SHEET 4 FOR GLAZING DETAILS.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL

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| 5                 | -        | CLIP AND NAIL FIN INSTALLATION DETAILS |
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| 8                 | -        | COMPONENTS                             |

| DESIGN PRESSURE RATING |               |                 |            |
|------------------------|---------------|-----------------|------------|
| SIZE                   | CONFIGURATION | DESIGN PRESSURE | TYPE       |
| 56.5" X 72"            | XX            | +30/-30 PSF     | RECTANGLE  |
| 56.5" X 72"            | XX            | +30/-30 PSF     | SPRINGLINE |
| 56.5" X 72"            | XX            | +30/-30 PSF     | ARCHTOP    |

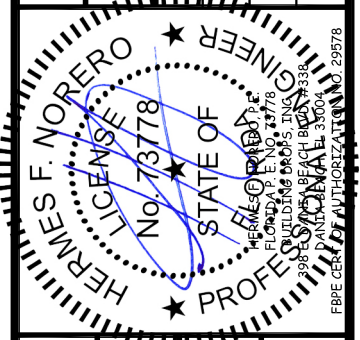
TITLE: 400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW

GENERAL & INSTALLATION NOTES

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004

PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS |  | DESCRIPTION | BY | DATE |
|-----------|--|-------------|----|------|
| NO.       |  |             |    |      |



DATE: 11.10.16  
DWN BY: AM  
CHK BY: HFN  
SCALE: NTS

DWG #: **AWD109**

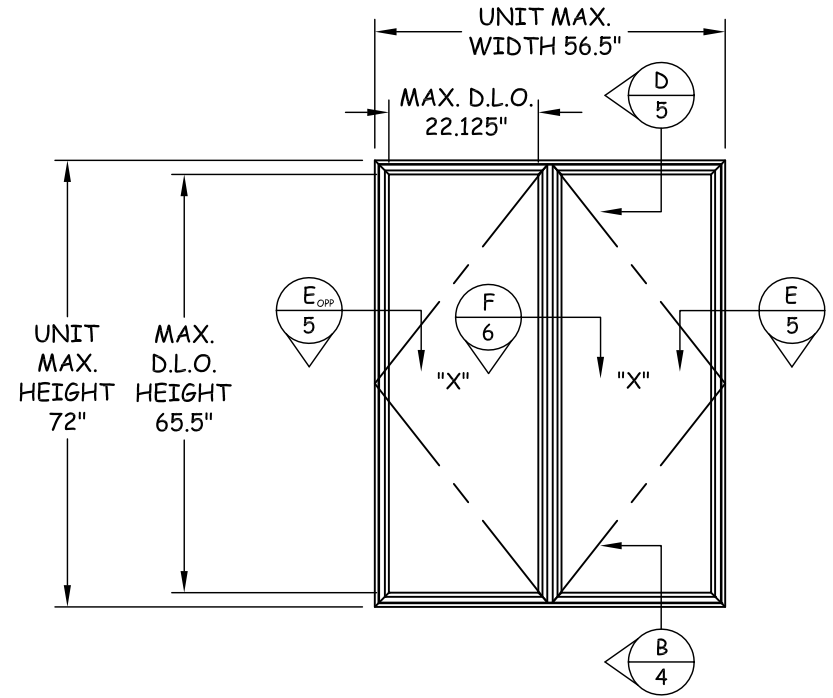
SHEET: **1 OF 8**

FL21840

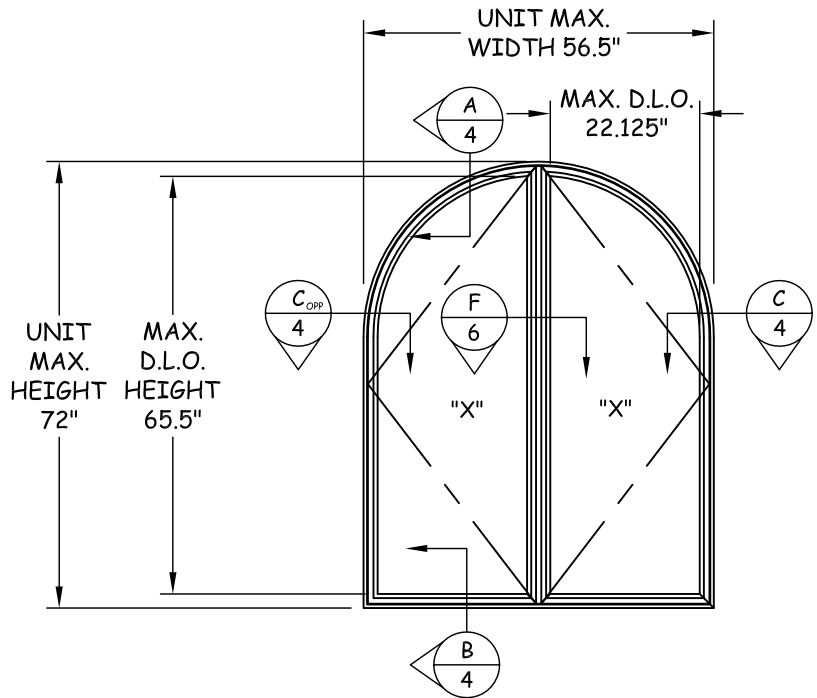


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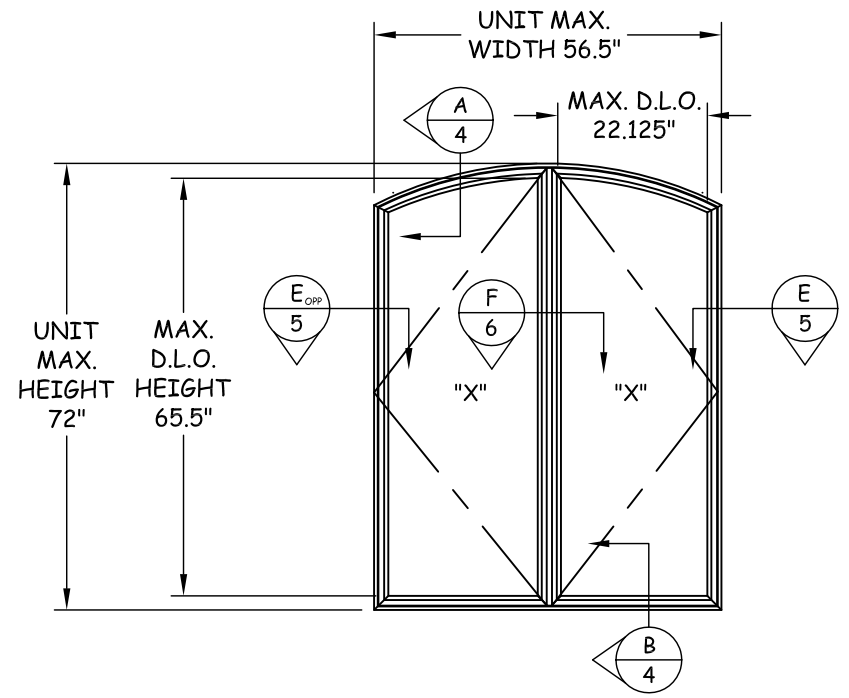
TITLE: 400 SERIES COMPLEMENTARY  
 FRENCH CASEMENT WINDOW  
 ELEVATIONS  
 PREPARED BY:  
 BUILDING DROPS, INC.  
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**ELEVATION**  
 FRENCH CASEMENT  
 56.5" X 72" UNIT  
 RECTANGLE

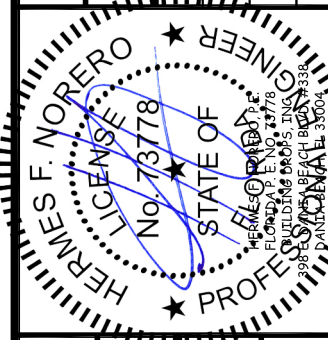


**ELEVATION**  
 FRENCH CASEMENT  
 56.5" X 72" UNIT  
 SPRINGLINE



**ELEVATION**  
 FRENCH CASEMENT  
 56.5" X 72" UNIT  
 ARCHTOP

| NO. | DESCRIPTION | BY | DATE |
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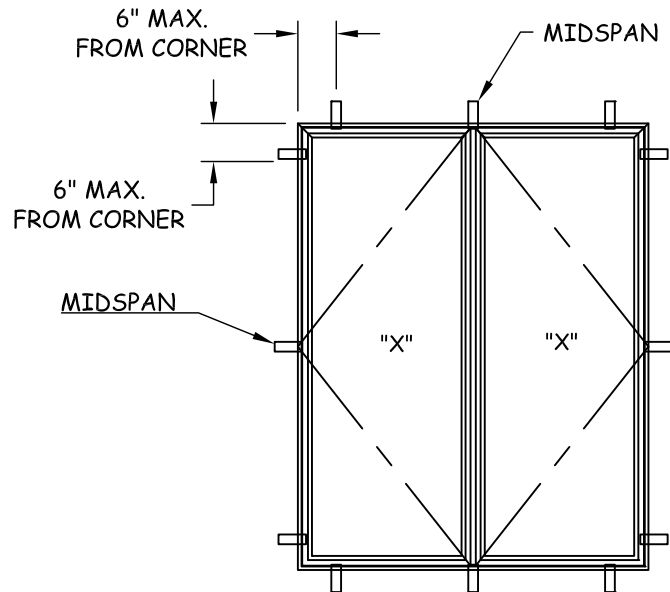
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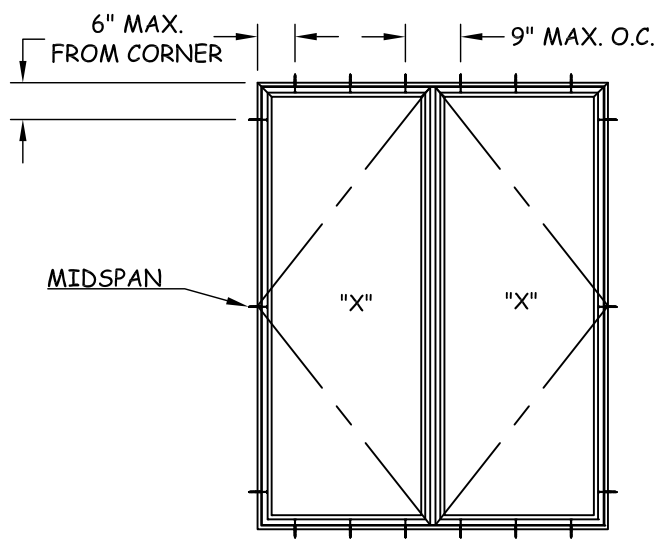
SHEET: **2 OF 8**



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**TYPICAL ANCHOR LAYOUT**  
FRENCH CASEMENT  
CLIP INSTALLATION  
RECTANGULAR OR ARCHITECTURAL



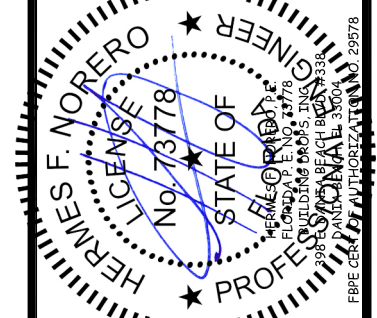
**TYPICAL ANCHOR LAYOUT**  
FRENCH CASEMENT  
THROUGH FRAME  
RECTANGULAR OR ARCHITECTURAL

- BUTT HINGE ANCHOR REQUIREMENTS**  
WHERE BUTT HINGES ARE PROVIDED, THE TOP AND BOTTOM HINGES SHALL BE ANCHORED TO THE OPENING WITH TWO ANCHORS AS FOLLOWS (MAX 1/4" SHIM):
- FOR INSTALLATION TO WOOD:**
- USE TWO (2) #10 WOOD SCREWS PER HINGE
  - MIN. 1 1/2" EMBEDMENT
  - MIN. 3/4" EDGE DISTANCE
  - MIN. 1" CENTER TO CENTER SPACING
- FOR INSTALLATION TO CONCRETE/CMU:**
- USE TWO (2) 3/16" ITW TAPCONS PER HINGE
  - MIN. 1 1/4" EMBEDMENT
  - MIN. 2" EDGE DISTANCE
  - MIN. 2" CENTER TO CENTER SPACING
- FOR INSTALLATION TO METAL:**
- USE TWO (2) #10 GR. 5 SMS PER HINGE
  - MIN. 3 THREADS PENETRATION BEYOND WALL
  - MIN. 1/2" EDGE DISTANCE
  - MIN. 1" CENTER TO CENTER SPACING

NOTE: INSTALLATION SPACING SHOWN FOR RECTANGULAR FRENCH CASEMENT ALSO APPLIES FOR ARCHITECTURAL SHAPED UNITS

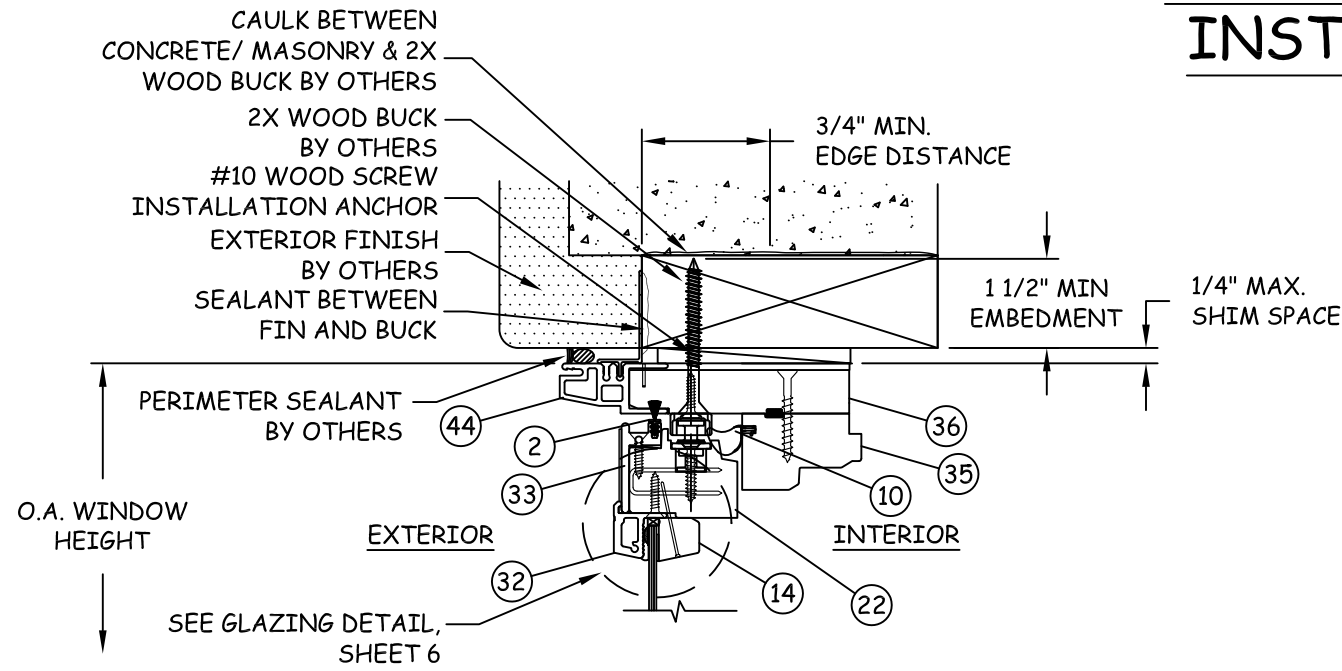
TITLE: 400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW ANCHOR LAYOUTS  
PREPARED BY: BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

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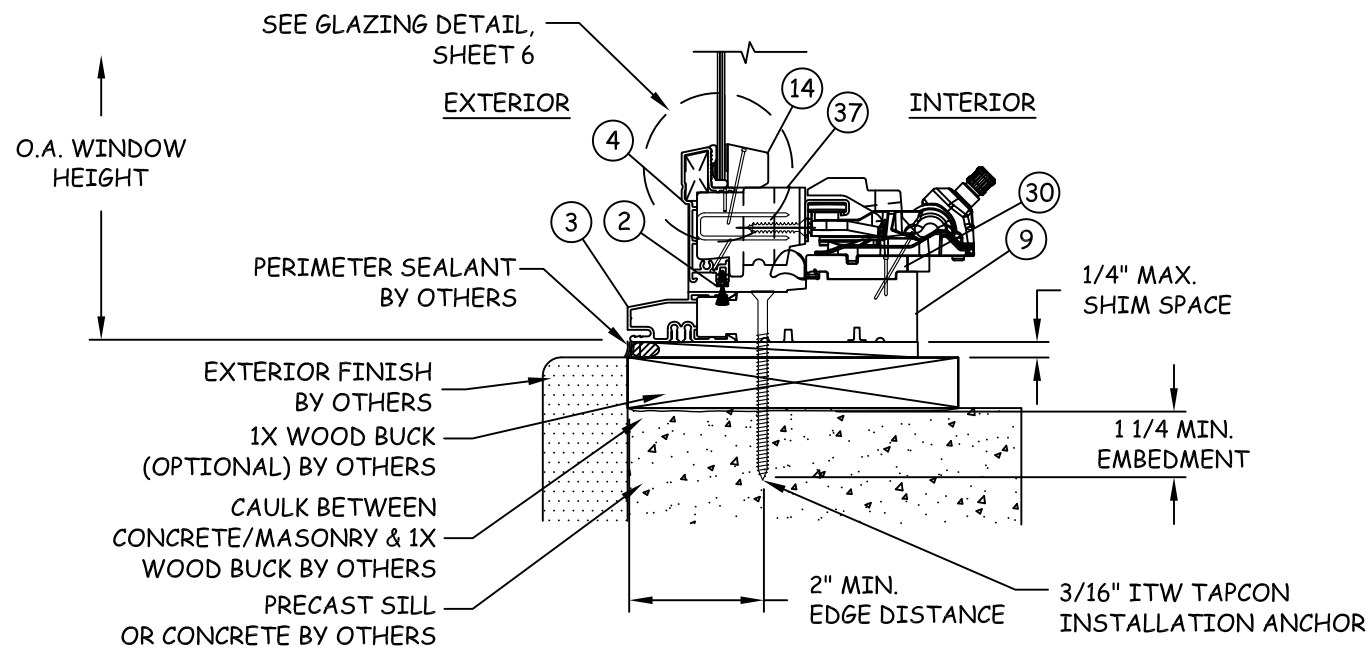


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DWG #: **AWD109**  
SHEET: **3 OF 8**

# THROUGH FRAME INSTALLATION



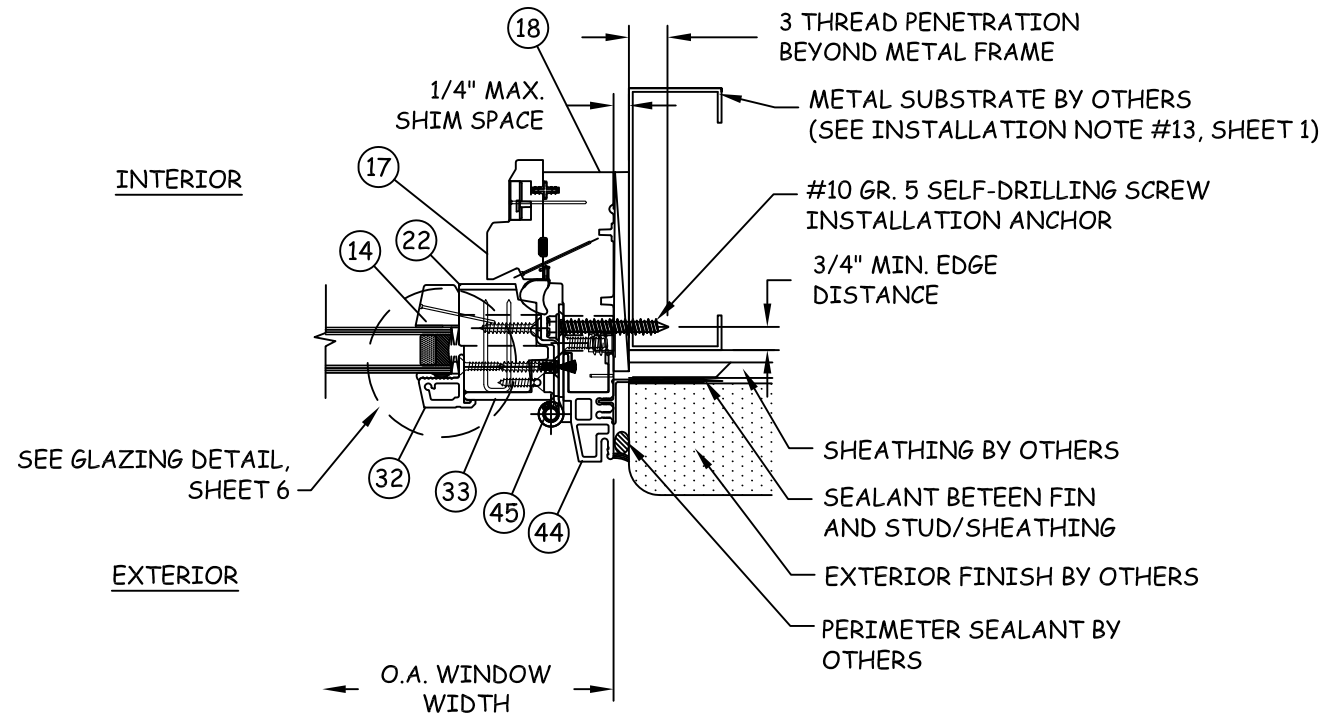
**A**  
**4** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
THROUGH FRAME



**B**  
**4** **VERTICAL SECTION**  
SILL - 1X WOOD ON CONCRETE/MASONRY  
THROUGH FRAME

NOTE: WOOD BUCK IS  
OPTIONAL. WINDOWS MAY BE  
INSTALLED DIRECTLY TO  
CONCRETE/MASONRY OPENING

NOTE: THROUGH FRAME  
INSTALLATION METHOD MAY BE  
USED WITH LINEAL OR CURVED  
FRAMES.



**C**  
**4** **HORIZONTAL SECTION**  
JAMB - METAL FRAME SUBSTRATE  
THROUGH FRAME

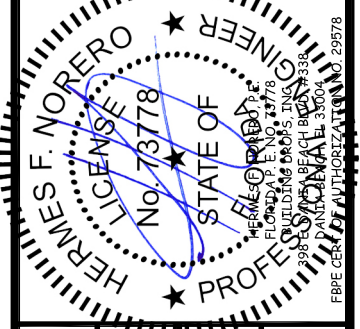


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TITLE: 400 SERIES COMPLEMENTARY  
FRENCH CASEMENT WINDOW  
THROUGH FRAME  
INSTALLATION DETAILS

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
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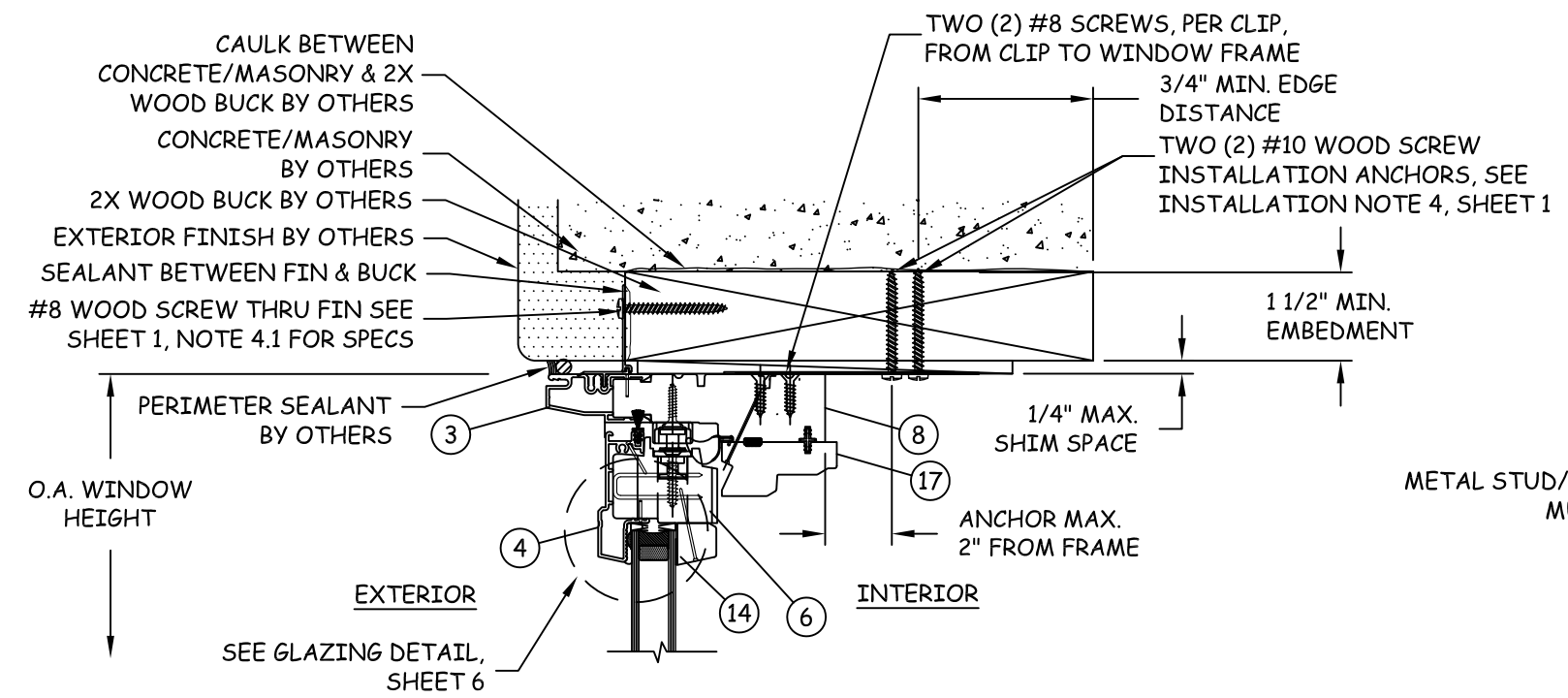
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DWG #: **AWD109**  
SHEET: **4 OF 8**

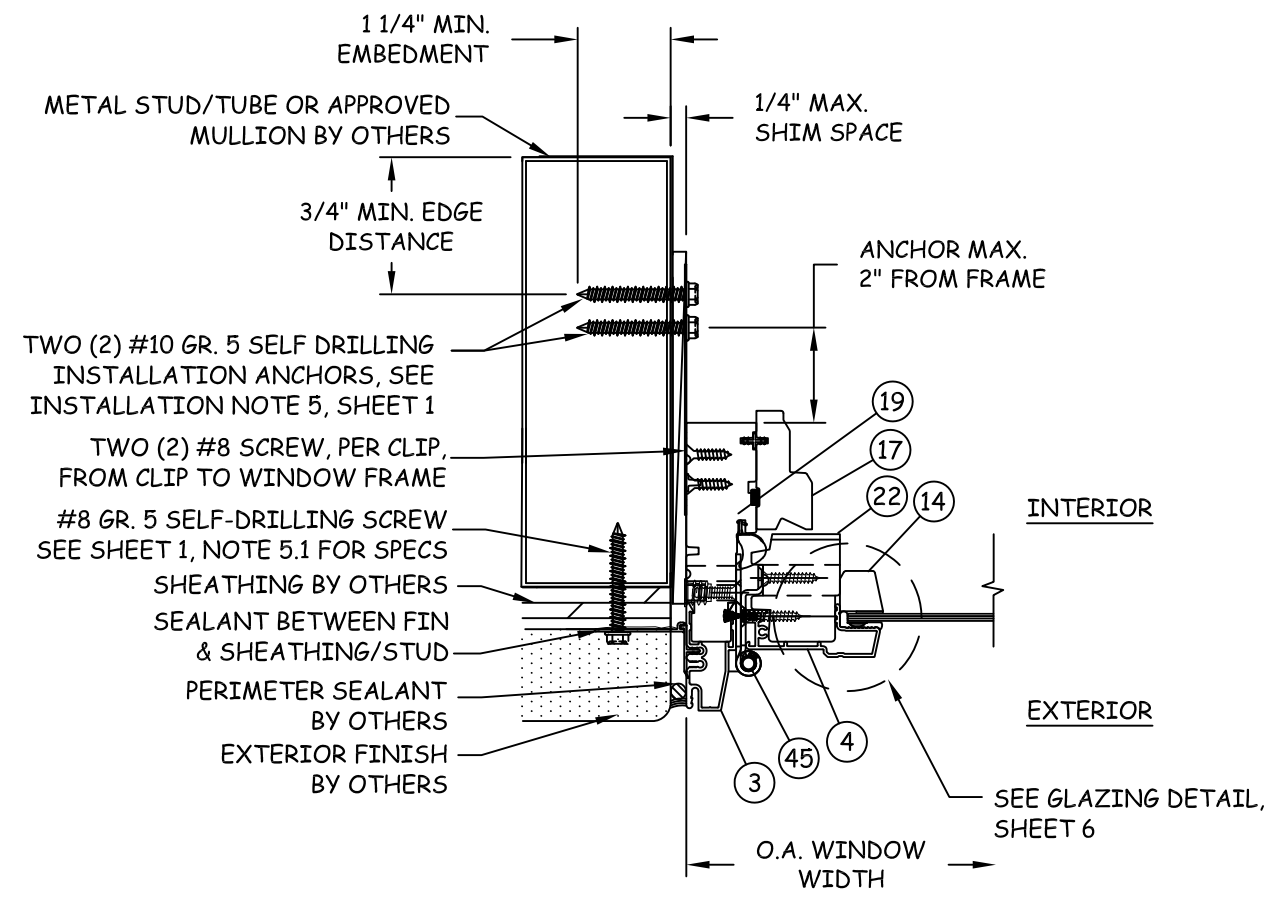


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# CLIP & NAIL FIN INSTALLATION



**D**  
**5** **VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
CLIP AND NAIL FIN INSTALLATION

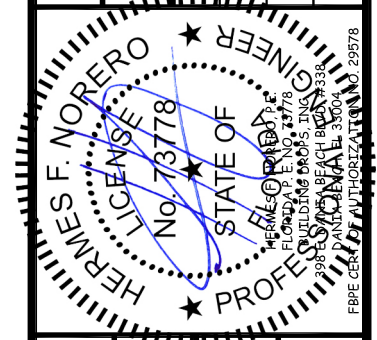


**E**  
**5** **HORIZONTAL SECTION**  
JAMB- METAL TUBE OR APPROVED MULLION  
CLIP AND NAIL FIN INSTALLATION

NOTE: CLIP AND NAIL FIN  
INSTALLATION METHOD MAY BE  
USED WITH LINEAL OR CURVED  
FRAMES.

TITLE: 400 SERIES COMPLEMENTARY  
FRENCH CASEMENT WINDOW  
INSTALLATION CLIP DETAILS  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
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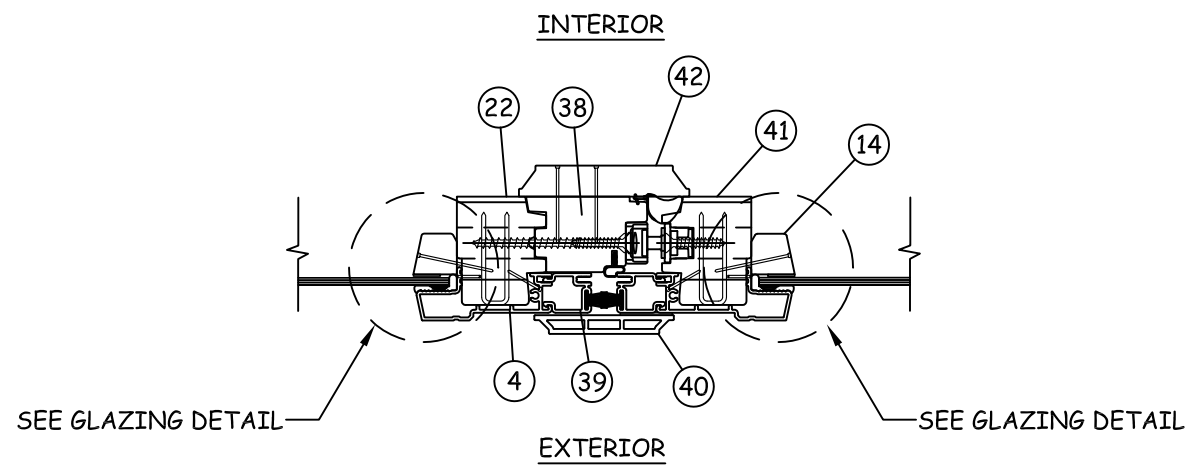


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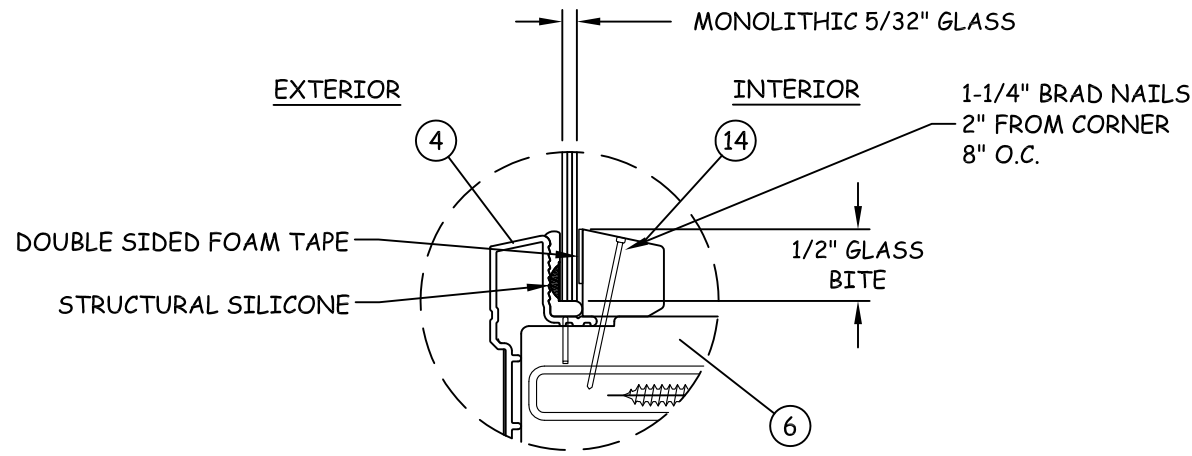
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**AWD109**  
SHEET: **5 OF 8**



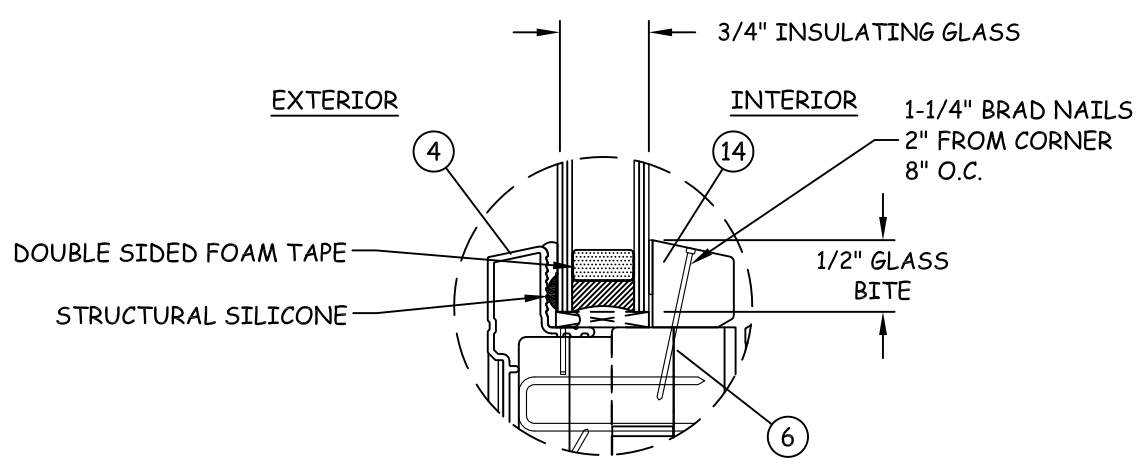
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**F**  
**6** **HORIZONTAL SECTION**  
ASTRAGAL



**GLAZING DETAIL - G1**

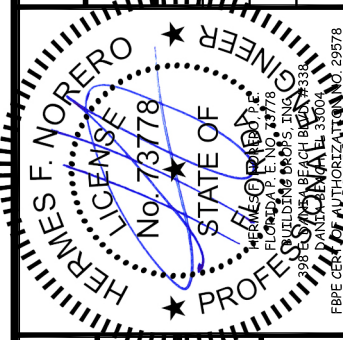


**GLAZING DETAIL - G2**

- NOTES:
1. GLAZING DETAILS SHOW LINEAL FRAME MEMBERS. THE SAME REQUIREMENTS APPLY AT CURVED FRAME MEMBERS.
  2. GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300-04 GLASS CHART REQUIREMENTS.

TITLE: 400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW  
ASTRAGAL DETAIL & GLAZING DETAIL  
PREPARED BY:  
BUILDING DROPS, INC.  
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DANIA BEACH, FL 33004  
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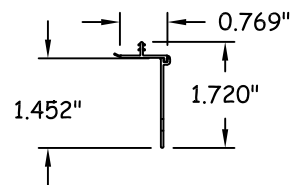
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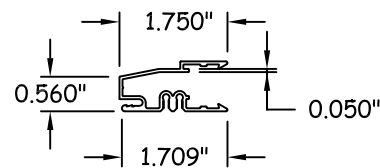
DATE: 11.10.16  
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SHEET: **6 OF 8**

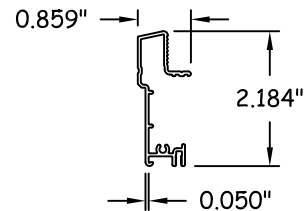
1 NAILING FIN



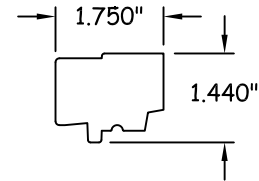
3 ALUMINUM FRAME CLADDING



4 ALUMINUM SASH CLADDING



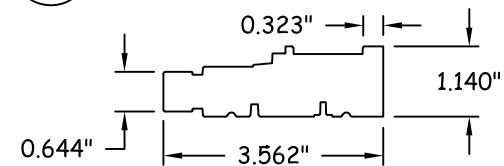
6 BOTTOM SASH RAIL



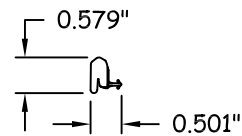
8 HEAD FRAME LINEAL



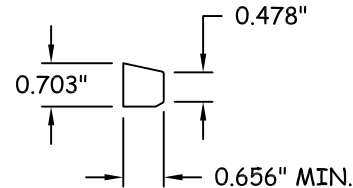
9 SILL FRAME LINEAL



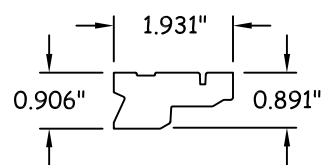
10 FRAME WEATHERSEAL



14 LINEAL GLAZING STOP



17 SASH STOP LINEAL



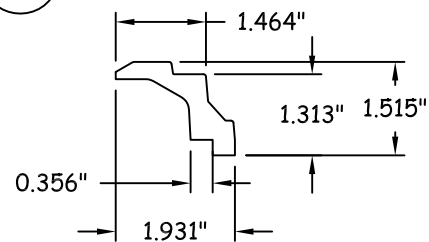
18 JAMB FRAME - CURVED



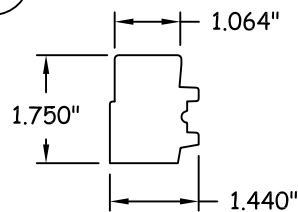
19 JAMB FRAME - LINEAL



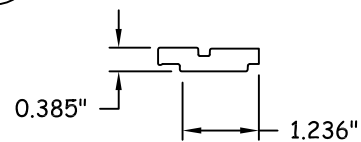
21 OPERATOR COVER



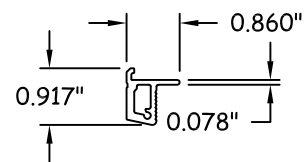
22 SASH STILE



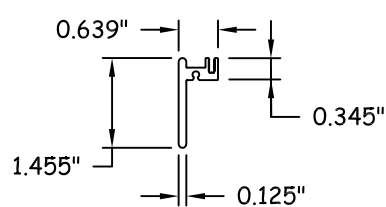
30 SILL SPACER



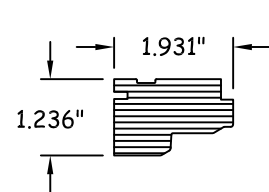
32 CURVED GLASS STOP



33 CURVED SASH CLADDING



35 CURVED SASH STOP



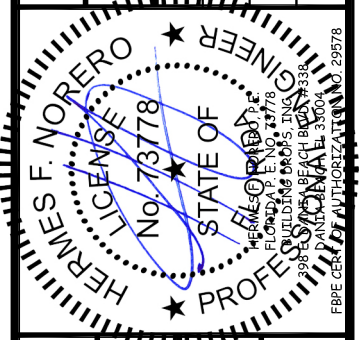
| ITEM | DESCRIPTION                                     | PROFILE                |
|------|---|------------------------|
| 45   | BUTT HINGE                                      |                        |
| 44   | CURVED ALUMINUM FRAME CLADDING                  | PF1001                 |
| 43   | OPERATOR COVER WOOD SUPPORT BLOCK               | PF2091                 |
| 43   | CURVED GLAZING STOP                             | PF1755                 |
| 42   | CASEMENT INTERIOR MULLION COVER                 | PF1884                 |
| 41   | SASH MEETING RAIL STILE                         | PF1767                 |
| 40   | ALUMINUM S.D.L BAR                              | PF1783                 |
| 39   | SASH CLADDING EXTERIOR                          | PF1385                 |
| 38   | MEETING RAIL LOCK ADAPTOR                       | PF1883                 |
| 37   | SASH RAIL- LINEAL                               | PF1766                 |
| 36   | CLAD CASEMENT HEAD FRAME MEMBER, CURVED         | PF1763                 |
| 35   | CASEMENT INTERIOR SASH STOP - CURVED            | PF2858                 |
| 34   | TOP SASH RAIL- CURVED                           | PF1767                 |
| 33   | CURVED SASH CLADDING                            | PF1018                 |
| 32   | CURVED ALUMINUM GLASS STOP                      | PF1017                 |
| 31   | CONCEALED FASTENER SPLINE                       | PF2506                 |
| 30   | CASEMENT SILL MITERED FRAME SPACER              | PF2500                 |
| 29   | NOT USED  |                        |
| 28   | FRAME GASKET FOR MITERED FRAME (COLOR)          | 114211, 114212, 114213 |
| 27   | INSTALLATION CLIP                               | P/N112736              |
| 26   | OPERATOR COVER -STRAIGHT ARM                    | PF2144                 |
| 25   | HARD. KIT 'D' STRAIGHT ARM OPER. (Ltd. opening) |                        |
| 24   | NOT USED  |                        |
| 23   | NOT USED  |                        |
| 22   | SASH STILE - LINEAL                             | PF1766                 |
| 21   | CASEMENT WOOD OPERATOR COVER                    | PF2881                 |
| 20   | HARDWARE KIT 'X' SASH LOCK                      | varies by height       |
| 19   | JAMB FRAME MEMBER MITERED FRAME - LINEAL        | PF2501                 |
| 18   | JAMB FRAME MEMBER MITERED FRAME - CURVED        | PF2859                 |
| 17   | SASH STOP MITERED FRAME- LINEAL                 | PF2857                 |
| 16   | TOP RAIL  | PF1766                 |
| 15   | NOT USED  |                        |
| 14   | INTERIOR GLAZING STOP - LINEAL                  | PF1755                 |
| 13   | NOT USED  |                        |
| 12B  | NOT USED  |                        |
| 12A  | NOT USED  |                        |
| 11   | NOT USED  |                        |
| 10   | FRAME WEATHERSEAL - LINEAL                      | PF2561                 |
| 9    | SILL FRAME MITERED FRAME- LINEAL                | PF2860                 |
| 8    | SILL FRAME MITERED FRAME- LINEAL                | PF2859                 |
| 7    | NOT USED  |                        |
| 6    | BOTTOM SASH RAIL - LINEAL                       | PF1766                 |
| 5    | NOT USED  |                        |
| 4    | ALUMINUM SASH CLADDING - LINEAL                 | PF1074                 |
| 3    | ALUMINUM FRAME CLADDING - LINEAL                | PF1002                 |
| 2    | SOFT PILE WEATHERSTRIP                          | PF2883                 |
| 1    | NAILING FIN                                     | PF2081                 |



100 FOURTH AVE NORTH  
BAYPORT, MN 55003-1096  
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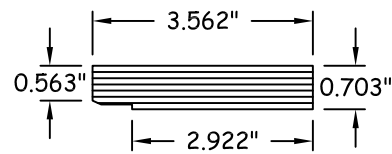
TITLE: 400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW  
BILL OF MATERIALS & COMPONENTS  
PREPARED BY: BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS | DESCRIPTION | NO. | BY | DATE |
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|           |             |     |    |      |

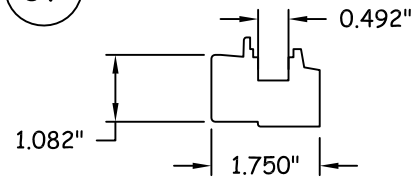


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CHK BY: HFN  
SCALE: NTS  
DWG #: AWD109  
SHEET: 7 OF 8

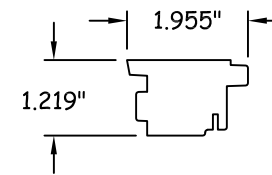
36 CURVED HEAD FRAME



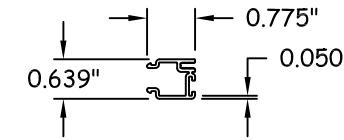
37 SASH RAIL- LINEAL



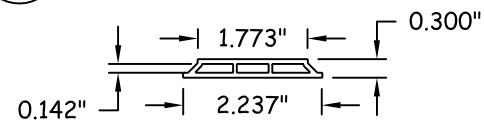
38 MEETING STILE LOCK ADAPTOR



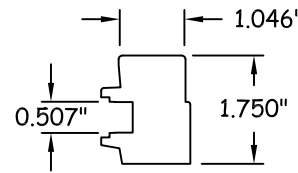
39 FRENCH EXTERIOR CLADDING



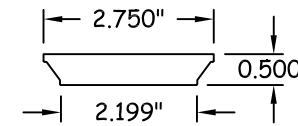
40 ALUMINUM S.D.L BAR



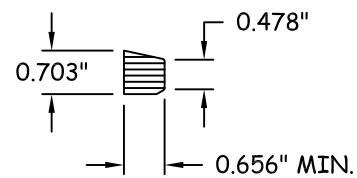
41 ACTIVE SASH LOCK STILE



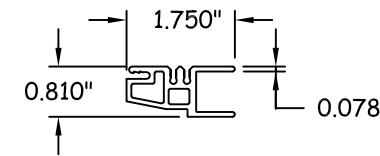
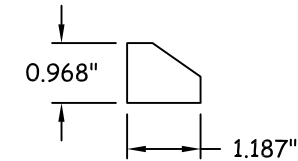
42 CASEMENT INTERIOR MULLION COVER



43 CURVED GLAZING STOP



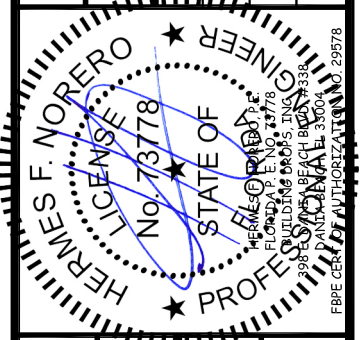
43 OPERATOR COVER SUPPORT BLOCK 44 CURVED ALUMINUM FRAME CLADDING



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SCALE: NTS

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