ANDERSEN CORPORATION
400 SERIES COMPLEMENTARY FRENCH CASEMENT WINDOW

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 CLIP 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 3/8 INCH EDGE DISTANCE. ANCHORS THROUGH CLIP SHALL BE STAGGERED SUCH THAT THEY ARE SPACED A MINIMUM OF 1 INCH APART.

5. INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #10 PAN HEAD SELF-DRILLING OR SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE 2 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/8 INCH EDGE DISTANCE. ANCHORS THROUGH CLIP SHALL BE STAGGERED SUCH THAT THEY ARE SPACED A MINIMUM OF 1 INCH APART.

6. NAIL FIN: NAIL FIN IS REQUIRED WHEN USING INSTALLATION CLIP METHOD. USE #8 PAN HEAD SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/8 INCH EDGE DISTANCE. ANCHOR NAIL FIN 6" FROM CORNERS AND 10.5" O.C.

7. 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 3/8 INCH EDGE DISTANCE.

8. THROUGH FRAME: FOR INSTALLATION THROUGH METAL SUBSTRATES USE #10 PAN HEAD SELF-DRILLING OR SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE AND SHALL MAINTAIN MINIMUM 3/8 INCH EDGE DISTANCE.

9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FABRIC, BRICK VENEER, AND SIDING.

10. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATINGS.

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 STRENGTH 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 corresponding to ASTM C-90.

D. STEEL - MINIMUM YO strength of 36 KSI. MINIMUM WALL THICKNESS OF 48 MILS (38 GAUGE).

E. ALUMINUM - MINIMUM WALL THICKNESS OF 3/8", 0.063-15 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 WIND. THE PRODUCT HAS BEEN EVALUATED TO THE FOLLOWING:

AAMA/WWA/CMA 101.5.2/AMA-08/13

2. ADHOCITY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD-FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED 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. SUCH 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 DESCRIBED 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 SLIDING DETAILS.

8. DESIGNATIONS "K" AND "O" STAND FOR THE FOLLOWING:

K - OPERABLE PANEL
O - FIXED PANEL

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DESIGN PRESSURE RATINGS

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Digitally signed by Hermes F. Noreno, P.E.
Reason: I am approving this document.
Date: 2017.02.13 10:23:55 -06'00'
ELEVATION
FRENCH CASEMENT
56.5" X 72" UNIT
RECTANGLE

UNIT MAX
WIDTH 56.5"
MAX. D.L.O.
22.125"
UNIT MAX
HEIGHT 72"
MAX. D.L.O.
HEIGHT 69.5"
"X"
"X"

ELEVATION
FRENCH CASEMENT
56.5" X 72" UNIT
SPRINGLINE

ELEVATION
FRENCH CASEMENT
56.5" X 72" UNIT
ARCHTOP
TYPICAL ANCHOR LAYOUT
FRENCH CASEMENT
CUP INSTALLATION
RECTANGULAR OR ARCHITECTURAL

TYPICAL ANCHOR LAYOUT
FRENCH CASEMENT
THROUGH FRAME
RECTANGULAR OR ARCHITECTURAL

KNOT HINGE ANCHOR REQUIREMENTS
WHERE KNOT HINGES ARE PROVIDED: THE TOP AND
BOTTOM HINGES SHALL BE ANCHORED TO THE OPENING
WITH TWO ANCHORS AS FOLLOWS (MAX 3/8" SHEAR):

FOR INSTALLATION TO WOOD:
+ USE TWO (2) 3" KNOCK-OUT SCREWS PER HINGE
+ MIN. 3/4" EMBEDMENT
+ MIN. 3/8" EDGE DISTANCE
+ MIN. 3" CENTER TO CENTER SPACING

FOR INSTALLATION TO CONCRETE/CON:
+ USE TWO (2) 3/8" CONCRETE TAPSCONS PER HINGE
+ MIN. 3/4" EMBEDMENT
+ MIN. 3/8" EDGE DISTANCE
+ MIN. 3" CENTER TO CENTER SPACING

FOR INSTALLATION TO METAL:
+ USE TWO (2) 3/8" GR. 3 SWS PER HINGE
+ MIN. 3 THREADS PENETRATION BEYOND WALL
+ MIN. 3/8" EDGE DISTANCE
+ MIN. 3" CENTER TO CENTER SPACING

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

A VERTICAL SECTION
HEAD - 2X WOOD BUCK THROUGH FRAME

SEE GLAZING DETAIL, SHEET 6

O.A. WINDOW HEIGHT
PERIMETER SEALANT BY OTHERS
O.A. WINDOW HEIGHT
SEE GLAZING DETAIL, SHEET 6

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

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

EXTERIOR FINISH BY OTHERS
1X WOOD BUCK (OPTIONAL) BY OTHERS
CAULK BETWEEN CONCRETE/MASONRY & 1X WOOD BUCK BY OTHERS

3/16" I.T. WAPTON INSTALLATION ANCHOR
2" MIN. EDGE DISTANCE

EXTERIOR FINISH BY OTHERS
SILL BETWEEN FIN BY OTHERS
PERIMETER SEALANT BY OTHERS

3/4" MIN. EMBEDMENT

1/4" MAX. SHIM SPACE

O.A. WINDOW WIDTH

C HORIZONTAL SECTION
JAMB - METAL FRAME SUBSTRATE THROUGH FRAME

METAL SUBSTRATE BY OTHERS
(SEE INSTALLATION NOTE #11, SHEET 1)

3 THREAD PENETRATION BEYOND METAL FRAME

#10 GR. 5 SELF-DRILLING SCREW INSTALLATION ANCHOR

1/4" MIN. EDGE DISTANCE

EXTERIOR FINISH BY OTHERS
SEALANT BETWEEN FIN AND STUD/SCREENING

3/4" MIN. EMBEDMENT

1/4" MAX. SHIM SPACE

NOTE: THROUGH FRAME INSTALLATION METHOD MAY BE USED WITH LINEAL OR CURVED FRAMES.
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 E1550-04 GLASS CHART REQUIREMENTS.
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**NOTES:**
- **FRAME WEATHERSEAL:** 0.579" x 0.501" x 1.400" x 1.140"
- **SILL SPACER:** 0.385" x 1.236" x 1.400" x 1.140"
- **CURVED GLASS STOP:** 0.860" x 0.917" x 0.078" x 0.125"
- **CURVED SASH CLADDLING:** 0.859" x 2.164" x 0.050" x 0.050"
- **CURVED SASH STOP:** 0.635" x 1.459" x 0.345" x 0.345"