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Product Approval
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FL #	FL19562-R4 .4						
Application Type	Revision						
Code Version	2020						
Application Status	Approved						
Comments							
Archived							
Product Manufacturer	Andersen Corporation						
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 alan.barstad@AndersenCorp.com						
Authorized Signature	Alan Barstad alan.barstad@AndersenCorp.com						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative	Alan Barstad						
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 abarstad@andersencorp.com						
Category	Windows						
Subcategory	Fixed						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Hermes F. Norero, P.E.						
Florida License	PE-73778						
Quality Assurance Entity	Window and Door Manufacturers Association-QA						
Quality Assurance Contract Expiration Date	12/16/2030						
Validated By	Zachary R. Priest, P.E. ☒ Validation Checklist - Hardcopy Received						
Certificate of Independence	FL19562_R4_COI_COI Andersen SS 2015-08-31.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td>Standard</td> <td>Year</td> </tr> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440</td> <td>2011</td> </tr> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440</td> <td>2008</td> </tr> </table>	Standard	Year	AAMA/WDMA/CSA 101/I.S.2/A440	2011	AAMA/WDMA/CSA 101/I.S.2/A440	2008
Standard	Year						
AAMA/WDMA/CSA 101/I.S.2/A440	2011						
AAMA/WDMA/CSA 101/I.S.2/A440	2008						
Equivalence of Product Standards Certified By							
Sections from the Code							
Product Approval Method	Method 1 Option D						
Date Submitted	10/13/2020						
Date Validated	10/15/2020						
Date Pending FBC Approval	10/25/2020						
Date Approved	12/15/2020						

Summary of Products

FL #	Model, Number or Name	Description
19562.1	Renewal by Andersen Casement Window - Fixed (Non-HVHZ)(Non-IMPACT)	Renewal by Andersen Casement Window - Fixed (Non-HVHZ)(Non-IMPACT)

Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Evaluation report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL19562_R4_II_AWD094_SS_2020-10-11.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19562_R4_AE_PER6698_SS_2020-10-11.pdf Created by Independent Third Party: Yes
19562.2	Renewal by Andersen Fixed Window - Full Frame (Non-HVHZ)(Non-IMPACT)	Renewal by Andersen Fixed Window - Full Frame (Non-HVHZ)(Non-IMPACT)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Evaluation report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL19562_R4_II_AWD092_SS_2020-10-11.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19562_R4_AE_PER6696_SS_2020-10-11.pdf Created by Independent Third Party: Yes
19562.3	Renewal by Andersen Fixed Window - Insert Frame (Non-HVHZ)(Non-IMPACT)	Renewal by Andersen Fixed Window - Insert Frame (Non-HVHZ)(Non-IMPACT)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Evaluation report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL19562_R4_II_AWD091_SS_2020-10-11.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19562_R4_AE_PER6699_SS_2020-10-11.pdf Created by Independent Third Party: Yes
19562.4	Renewal by Andersen Fixed Window - Universal Frame (Non-HVHZ)(Non-IMPACT)	Renewal by Andersen Fixed Window - Universal Frame (Non-HVHZ)(Non-IMPACT)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Evaluation report for allowable design pressures, sizes, installation requirements and limits of use.		Installation Instructions FL19562_R4_II_AWD244_SS_2020-10-11.pdf Verified By: Hermes F. Norero, P.E. FL PE No. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19562_R4_AE_PER6697_SS_2020-10-11.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



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SECURITYMETRICS

ANDERSEN CORPORATION

RENEWAL BY ANDERSEN FIXED WINDOWS - UNIVERSAL FRAME (NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/1.5.2/A440-11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND-FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSMITTING 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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF 1/4 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.
5. 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 DETAIL HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: FIBREX & PVC
8. IN ACCORDANCE WITH THE CURRENT EDITION FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN CHAPTER 23.
9. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE	FRAME TYPE*
84" X 86"	+50.0 / -50.0 PSF	1 PIECE
108" X 62"	+50.0 / -50.0 PSF	1 PIECE
59" X 108"	+50.0 / -50.0 PSF	2 PIECE

*SEE FRAME DESCRIPTIONS ON SHEET 2 & 5

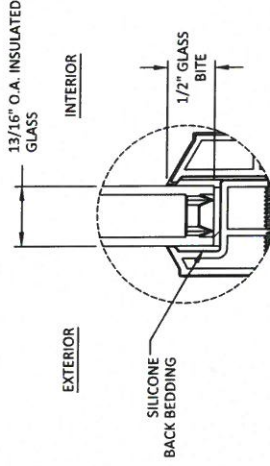
DESIGN PRESSURE UPGRADE RATING		
SIZE	DESIGN PRESSURE	FRAME TYPE*
84" X 86"	+50.0 / -65.0 PSF	1 PIECE
108" X 62"	+50.0 / -65.0 PSF	1 PIECE
108" X 59"	+50.0 / -65.0 PSF	2 PIECE
40" X 40"	+80.0 / -80.0 PSF	1 OR 2 PIECE

*SEE FRAME DESCRIPTIONS ON SHEET 2 & 5

NOTES:

1. DP UPGRADE PRODUCT POSITIVE RATING IS DRIVEN BY STRUCTURAL ONLY. WATER IS NOT INCLUDED.
2. DP UPGRADE PRODUCT MUST BE INSTALLED THROUGH FRAME ONLY.

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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	ELEVATIONS & ANCHOR LAYOUTS
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	ANCHOR DETAILS
6	INSTALLATION NOTES, ANCHOR SCHEDULE & QUALIFIED SHAPES



GLAZING DETAIL

GLAZING NOTES:

1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES.



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RENEWAL BY ANDERSEN FIXED WINDOWS
(NON-HVHZ)(NON-IMPACT)
GENERAL NOTES & GLAZING DETAIL

REMARKS

7TH FBC CODE CHANGE SR 3.24.20

BY DATE

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Digitally signed by Hermesa F. Norero
Reason: I am approving this document
Date: 2020.04.23 14:07:00



FL #:

FL19562

DATE:

11.07.18

DWG BY:

RV

CHK BY:

HFN

SCALE:

NTS

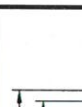
DWG #:

AWD244

SHEET:

1

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RENEWAL BY ANDERSEN FIXED WINDOWS
(NON-HYD)(NON-IMPACT)
ELEVATIONS &
ANCHOR LAYOUTS

PREPARED BY:

DATE

BY

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REMARKS

TITLE:

FL #: FL19562

DATE: 11.07.18

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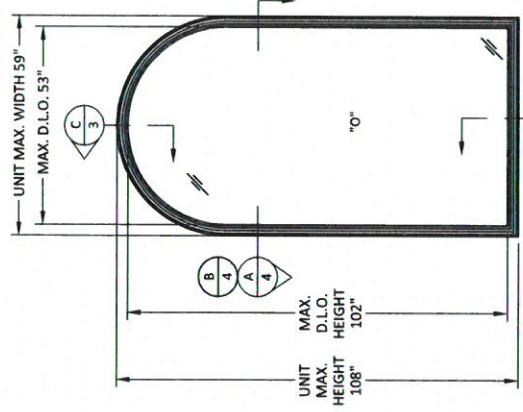
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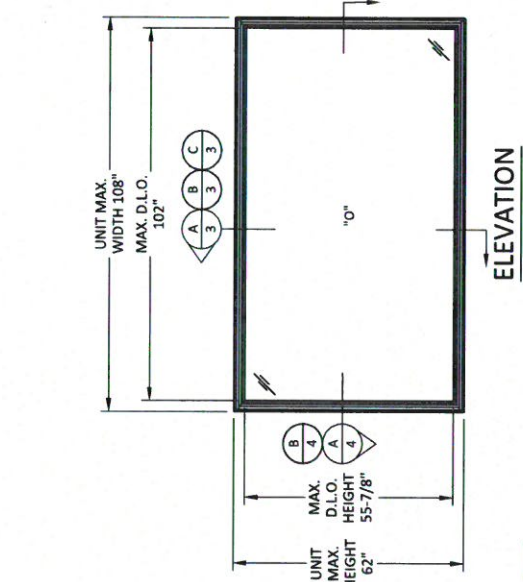
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2 OF 6

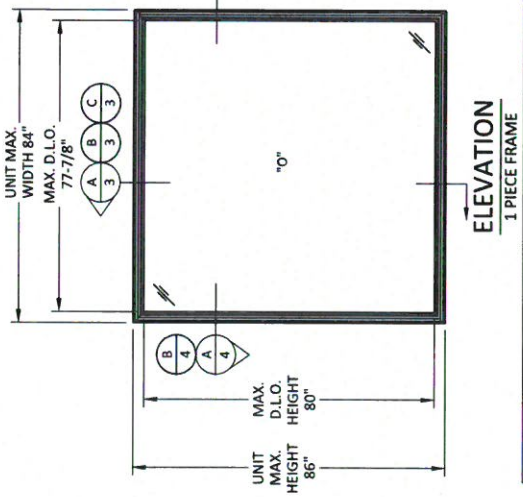
HERNANDEZ, NORBERTO
LICENSED PROFESSIONAL ENGINEER
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No. 73778
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FLORIDA P.E. No. 73778
FPEE CERT. OF AUTHORIZATION No. 20078



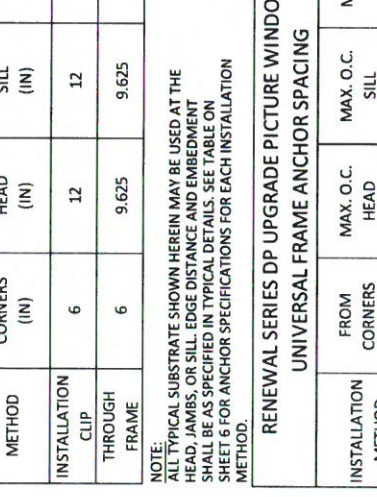
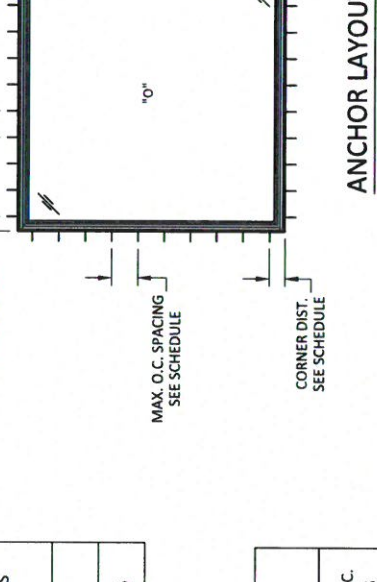
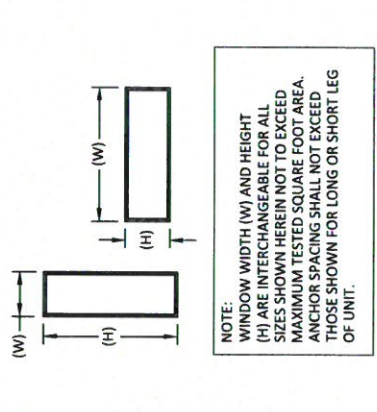
ELEVATION
1 PIECE FRAME



ELEVATION
1 PIECE FRAME



ELEVATION
2 PIECE FRAME

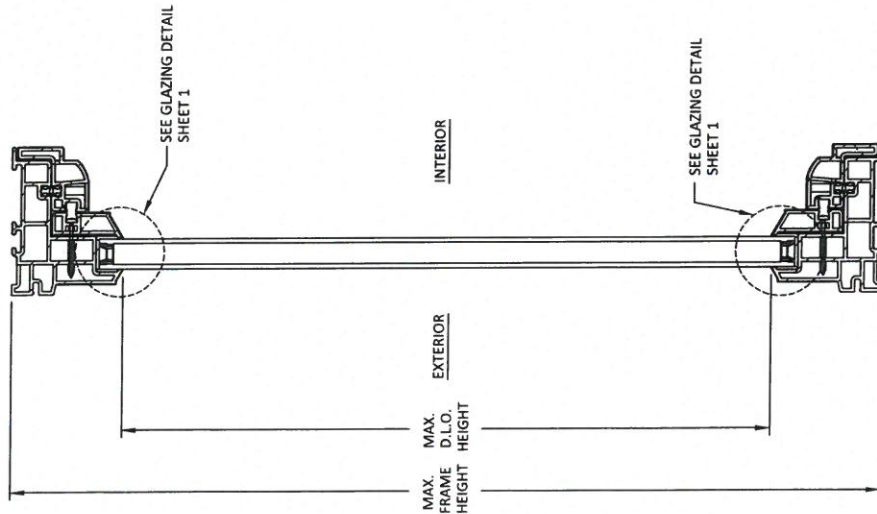


RENEWAL SERIES PICTURE WINDOW - UNIVERSAL FRAME ANCHOR SPACING					
INSTALLATION METHOD	FROM CORNERS (IN)	MAX. O.C. HEAD (IN)	MAX. O.C. SILL (IN)	MAX. O.C. JAMBS (IN)	
INSTALLATION CLIP	6	12	12	12	
THROUGH FRAME	6	9.625	9.625	9.625	

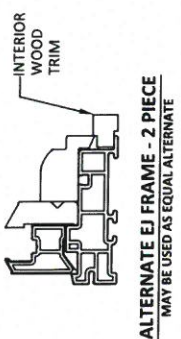
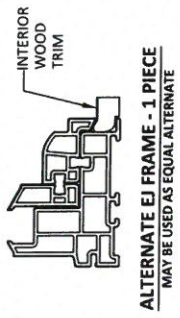
NOTE:
ALL TYPICAL SUBSTRATE SHOWN HEREIN MAY BE USED AT THE HEAD, JAMBS, OR SILL. EDGE DISTANCE AND EMBEDMENT SHALL BE AS SPECIFIED IN TYPICAL DETAILS. SEE TABLE ON SHEET 6 FOR ANCHOR SPECIFICATIONS FOR EACH INSTALLATION METHOD.

RENEWAL SERIES DP UPGRADE PICTURE WINDOW - UNIVERSAL FRAME ANCHOR SPACING					
INSTALLATION METHOD	FROM CORNERS (IN)	MAX. O.C. HEAD (IN)	MAX. O.C. SILL (IN)	MAX. O.C. JAMBS (IN)	
INSTALLATION CLIP	6	8.5	8.5	8.5	
THROUGH FRAME	6	8.5	8.5	8.5	

NOTE:
DP UPGRADE PRODUCTS WHEN ANCHORING WITH 1/8" ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4" INCH SHIM STACK. SEE SHEET 5.



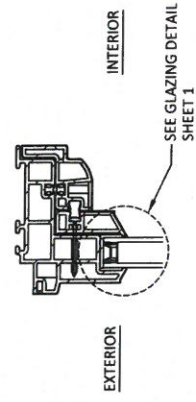
A VERTICAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



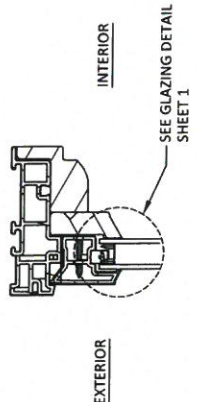
ALTERNATE EJ FRAME
MAY BE USED AS EQUAL ALTERNATE FRAME TYPE

TWO PIECE FRAME NOTES:

- TWO PIECE FRAME IS TO BE USED FOR CURVED MEMBERS ON SHAPED UNITS.
- ALL TYPICAL HEAD, SILL AND JAMB INSTALLATION DETAILS SHOWN HEREIN WITH 1 PIECE FRAME MAY USE 2 PIECE FRAME WITH THE SAME INSTALLATION AND ANCHOR SPECIFICATIONS.
- SEE DESIGN PRESSURE TABLE ON SHEET 1 FOR MAXIMUM SIZE AND PRESSURE WHEN USING 2 PIECE FRAME.
- LESS THAN 30" RADIIUSES SHALL USE 2 PIECE FRAMES, LARGER BENDING RADIIUSES MAY USE 1 PIECE FRAME.



B VERTICAL SECTION
TYPICAL 1 PIECE FRAME DETAIL
USED FOR RECTANGULAR PICTURE WINDOWS



C VERTICAL SECTION
TYPICAL 2 PIECE FRAME DETAIL
USED FOR SPECIALTY SHAPED WINDOWS

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RENEWAL BY ANDERSEN FIXED WINDOWS
(NON-HVHZ)(NON-IMPACT)
VERTICAL SECTIONS

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FL #:

FL19562

DATE: 11.07.18

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD244

SHEET: 3

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PREPARED BY:

TITLE:
RENEWAL BY ANDERSEN FIXED WINDOWS
(NON-HVHZ)(NON-IMPACT)
HORIZONTAL SECTIONS

DATE:
7TH FBC CODE CHANGE SR B.24.20

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BY:

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2. SITE IS SITE CONDITIONS. CLAUSE INSTALLATION TO DEVIATE FROM THE SPECIFICATIONS OF THE WINDOW FRAME AS SHOWN ON THIS DRAWING. ANY DEVIATION FROM THE SPECIFICATIONS OF THE WINDOW FRAME AS SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER.
3. DOCUMENTS FOR USE WITH THIS DOCUMENT.



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PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 73778
398 E. DANIA BEACH BLVD., STE. 330
DANIA BEACH, FL 33004
TYPE CERT. OF AUTHORIZATION No. 20078

FL #:
FL19562

DATE:
11.07.18

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RV

CHK. BY:
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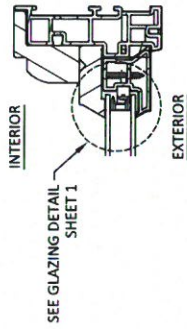
DWG. #:
AWD244

SHEET:
4

OF 6



A **4** **VERTICAL SECTION**
THROUGH FRAME AND THROUGH CLIP INSTALLATION



B **4** **HORIZONTAL SECTION**
TYPICAL 2 PIECE FRAME DETAIL
USED FOR SPECIALTY SHAPED WINDOWS



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RENEWAL BY ANDERSEN FIXED WINDOWS
(NON-HVHZ)(NON-IMPACT)
ANCHOR DETAILS

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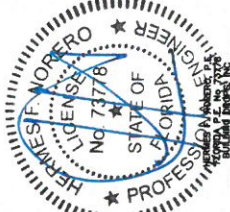
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PROF. ENGINEER
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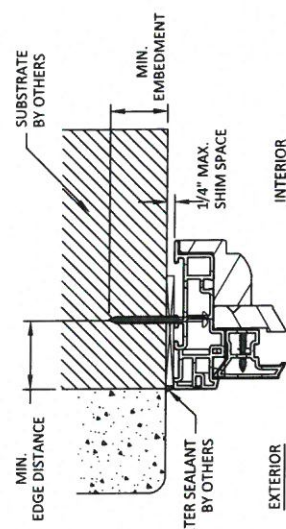
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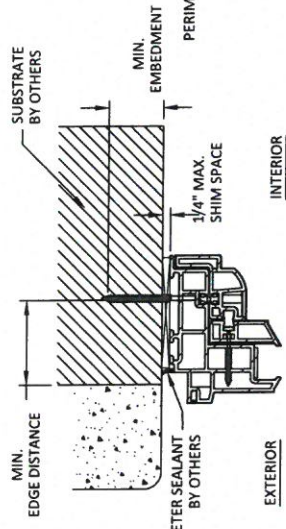
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OF 6



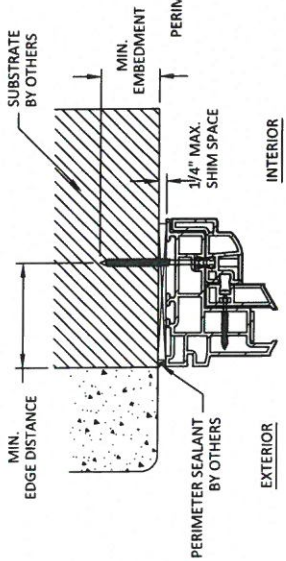
NOTE:
SILL & JAMB DETAIL SIMILAR.

A VERTICAL SECTION
5 THROUGH FRAME (HEAD)



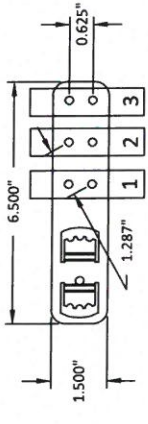
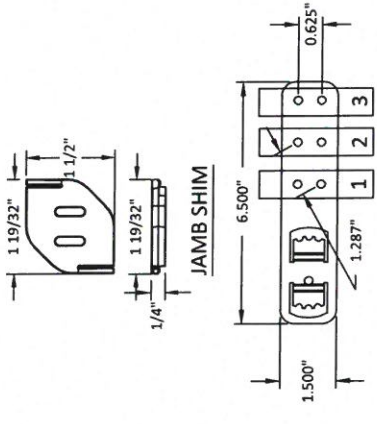
NOTE:
SILL & JAMB DETAIL SIMILAR.

B VERTICAL SECTION
5 THROUGH FRAME (HEAD)



NOTE:
SILL & JAMB DETAIL SIMILAR.

C VERTICAL SECTION
5 THROUGH FRAME (HEAD)



INSTALLATION CLIP DETAIL

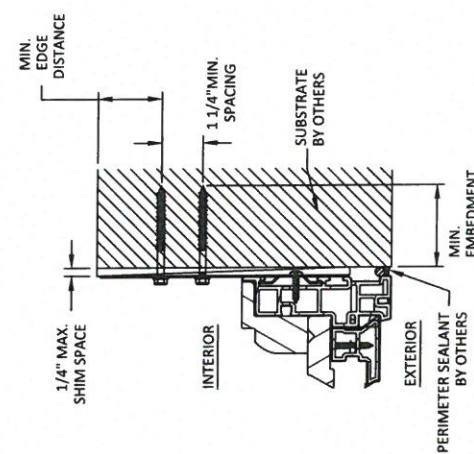
INSTALLATION CLIP ANCHOR REQUIREMENTS:

WOOD SUBSTRATE: USE TWO #8 PAN HEAD WOOD SCREWS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.

METAL SUBSTRATE: USE TWO #8 HHW SMS ANCHORS PER CLIP, IN ROW NUMBER ONE OF PREDRILLED HOLES SHOWN BELOW.

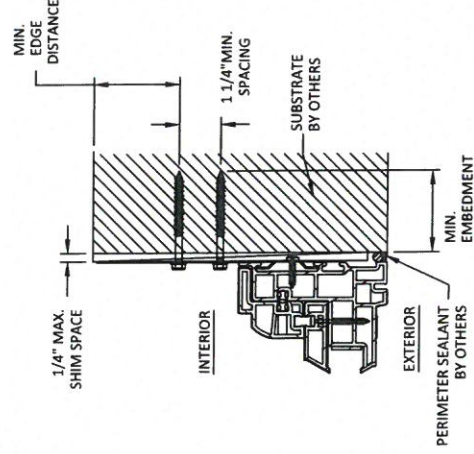
CONCRETE/MASONRY: USE TWO 3/16" ITW TAPCON ANCHORS, WITH ONE ANCHOR PLACED IN ROW NUMBER ONE AND ONE ANCHOR PLACED IN ROW NUMBER TWO OF PREDRILLED HOLES SHOWN BELOW. ANCHORS MUST BE PLACED DIAGONALLY ACROSS THE CLIP.

DO NOT INSTALL ANCHORS THROUGH ROW NUMBER THREE.



NOTE:
HEAD & SILL DETAIL SIMILAR.

E HORIZONTAL SECTION
5 THROUGH CLIP (JAMB)



NOTE:
HEAD & SILL DETAIL SIMILAR.

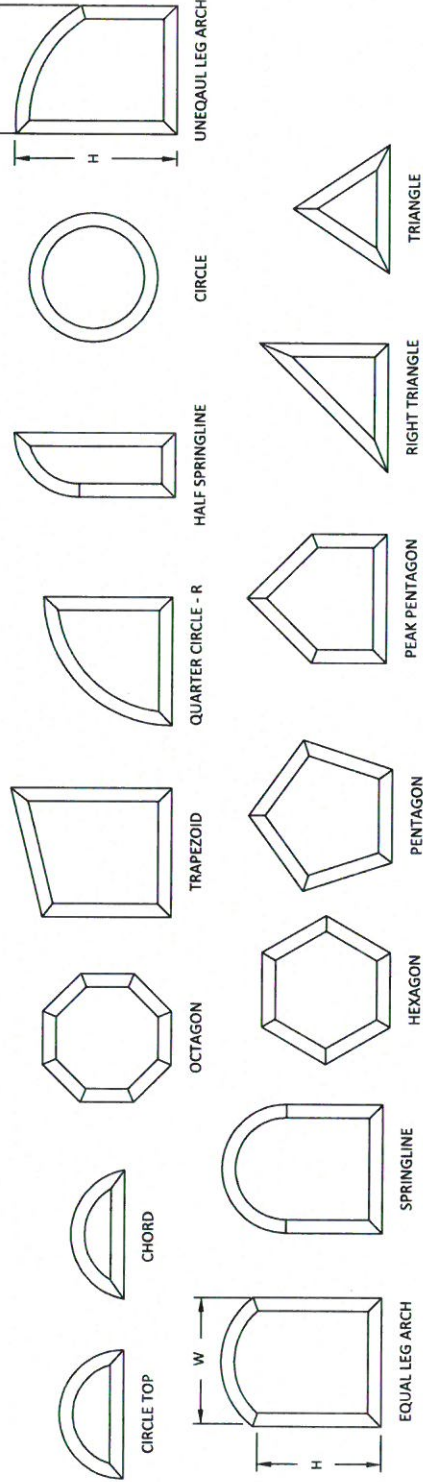
D HORIZONTAL SECTION
5 THROUGH CLIP (JAMB)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN ON SHEET 5.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES), TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BLOCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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 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.

QUALIFIED SHAPES MUST BE INSCRIBED WITHIN TESTED SIZE.

QUALIFIED SHAPES



ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
THROUGH FRAME & THROUGH CLIP	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLAT HEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLAT HEAD	1"	2.25
NAIL FIN & THROUGH CLIP	WOOD: MIN. SG = 0.55	#8 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"

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INSTALLATION NOTES, ANCHOR SCHEDULE
PREPARED BY:
BUILDING DROPS, INC.
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REMARKS

BY DATE

7TH FBC CODE CHANGE SR 3.24.20

THIS INSTALLATION DETAIL IS PROVIDED FOR INFORMATION ONLY. IT IS NOT A CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

FL #:

FL19562

DATE: 11.07.18

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD244

SHEET:

6

OF 6

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