FL19563.1

ANDERSEN CORPORATION

RENEWAL BY ANDERSEN SERIES GLIDER WINDOW (NON-IMPACT) (NON-HVHZ)

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/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND 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. 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 DETAILED 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	CONFIGURATION	DESIGN PRESSURE	SASH WIDTH RATIO
72" X 80"	XO	+40.0 / -40.0 PSF	1:1
96" X 54"	XO	+40.0 / -40.0 PSF	1:1
96" X 72"	XO	+40.0 / -40.0 PSF	1:1
108" X 54"	XO	+25.0 / -25.0 PSF	1:2
108" X 72"	XO	+20.0 / -20.0 PSF	1:2
56" X 80"	XO	+40.0 / -40.0 PSF	1:2
74" X 54"	XO	+40.0 / -40.0 PSF	1:2
74" X 72"	XO	+35.0 / -35.0 PSF	1:2
48" X 48"	XX	+40.0 / -40.0 PSF	1:1
72" X 80"	XX	+30.0 / -30.0 PSF	1:1
96" X 54"	XX	+35.0 / -35.0 PSF	1:1
96" X 60"	XX	+35.0 / -35.0 PSF	1:1
96" X 72"	XX	+20.0 / -20.0 PSF	1:1
144" X 54"	XOX	+30.0 / -30.0 PSF	1:1:1
144" X 72"	XOX	+25.0 / -25.0 PSF	1:1:1
84" X 60"	XOX	+40.0 / -40.0 PSF	1:1:1
84" X 80"	XOX	+35.0 / -35.0 PSF	1:1:1
144" X 54"	XOX	+30.0 / -30.0 PSF	1:2:1
144" X 72"	XOX	+25.0 / -25.0 PSF	1:2:1
84" X 60"	XOX	+40.0 / -40.0 PSF	1:2:1
84" X 80"	XOX	+35.0 / -35.0 PSF	1:2:1

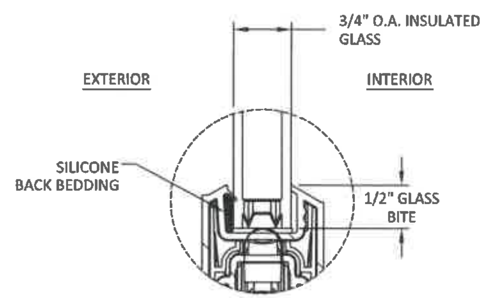
DESIGN PRESSURE UPGRADE RATING

SIZE	CONFIGURATION	DESIGN PRESSURE	SASH WIDTH RATIO
56" X 48"	XO	+61.0 / -79.0 PSF	1:1
40" X 40"	XO	+81.0 / -100.0 PSF	1:1
88" X 64"	XO	+42.0 / -43.0 PSF	1:1
74" X 72"	XO	+50.0 / -50.0 PSF	1:1
74" X 64"	XO	+50.0 / -65.0 PSF	1:1
108" X 72"	XOX	+26.0 / -26.0 PSF	1:1:1 & 1:2:1
120" X 64"	XOX	+28.0 / -28.0 PSF	1:1:1 & 1:2:1
56" X 48"	XOX	+61.0 / -79.0 PSF	1:1:1 & 1:2:1
74" X 64"	XOX	+50.0 / -65.0 PSF	1:1:1 & 1:2:1
108" X 64"	XOX	+40.0 / -40.0 PSF	1:1:1 & 1:2:1

*SEE FRAME DESCRIPTIONS ON SHEET 6 & 8

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, EXCEPT ON SILL WHERE JAMB CLIPS MUST BE USED.

TABLE OF CONTENTS



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 ON SHEET 1.

Andersen. AW WINDOWS • DOORS
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BAYPORT, MN 55003-1096
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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2018.12.17

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
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BUILDING DROPS, INC
398 E. DANIA BEACH BLVD., # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563

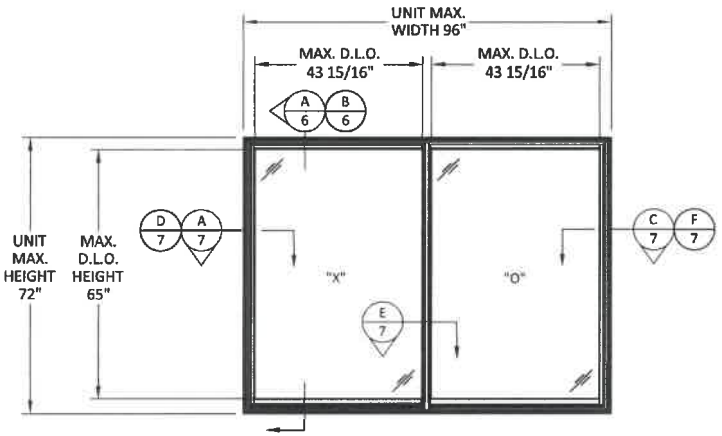
DATE: 11.07.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

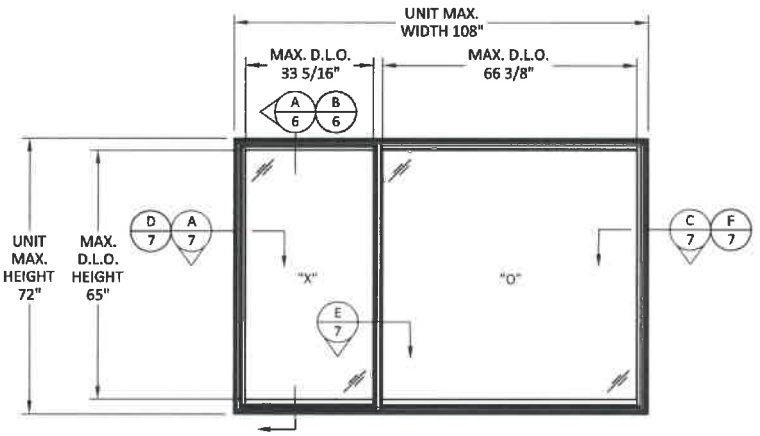
DWG. #: AWD243

SHEET: 1 OF 9



ELEVATION

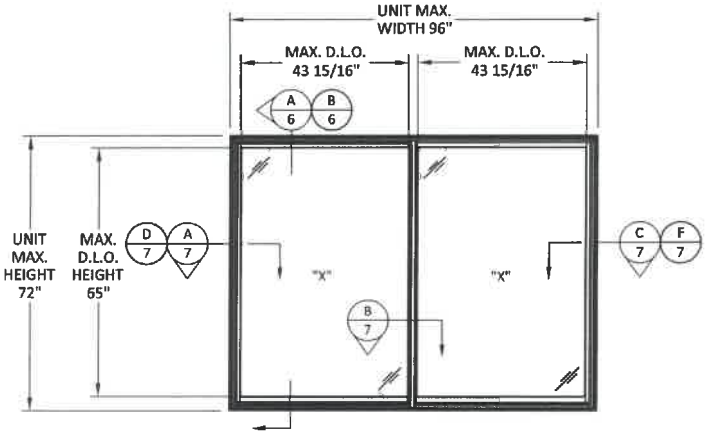
96" X 72" XO UNIT
1:1 SASH RATIO



ELEVATION

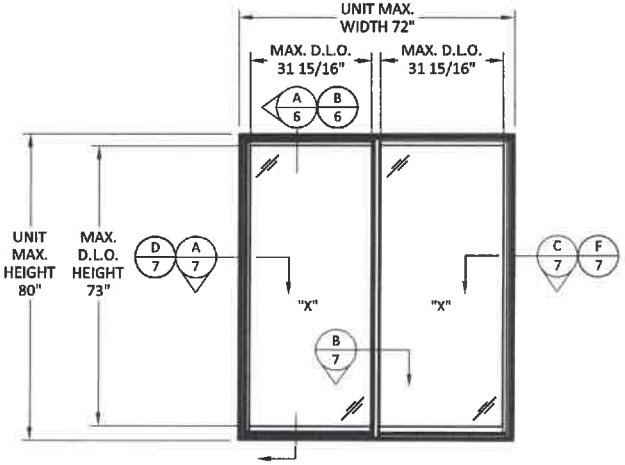
108" X 72" XO UNIT
1:2 SASH RATIO

NOTE:
ALTERNATE MEETING STILE LOCATIONS MAY BE USED SUCH THAT MAX. DLO DIMENSIONS SHOWN HEREIN ARE NOT EXCEEDED. UNEQUAL SASH RATIO NOT AVAILABLE FOR ACTIVE/ACTIVE (XX) UNITS.



ELEVATION

96" X 72" XX UNIT
1:1 SASH RATIO



ELEVATION

72" X 80" XX UNIT
1:1 SASH RATIO

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ) ELEVATIONS

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REMARKS	BY	DATE

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FLORIDA P.E. No 73778
BUILDING DROPS, INC
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563

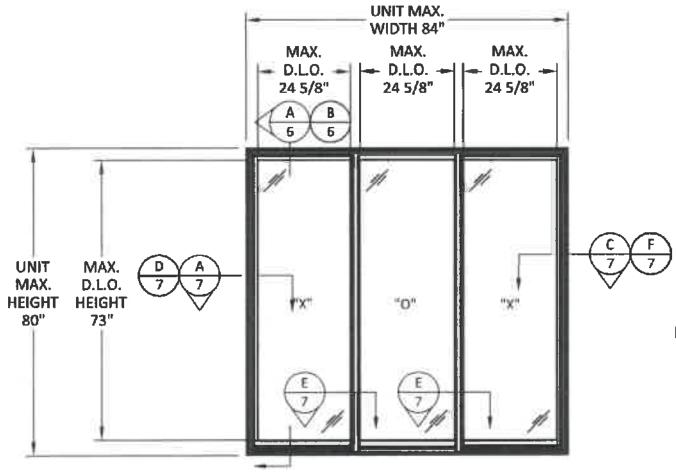
DATE: 11.07.18

DWG. BY: RV | CHK. BY: HFN

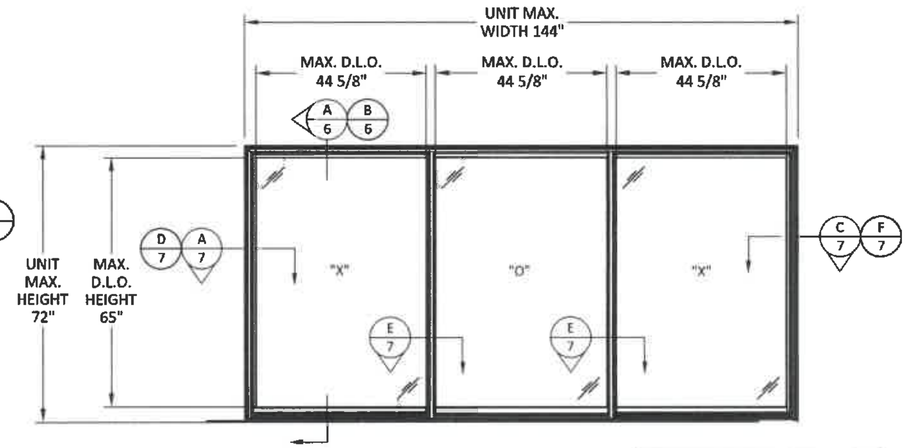
SCALE: NTS

DWG. #: AWD243

SHEET: 2 OF 9

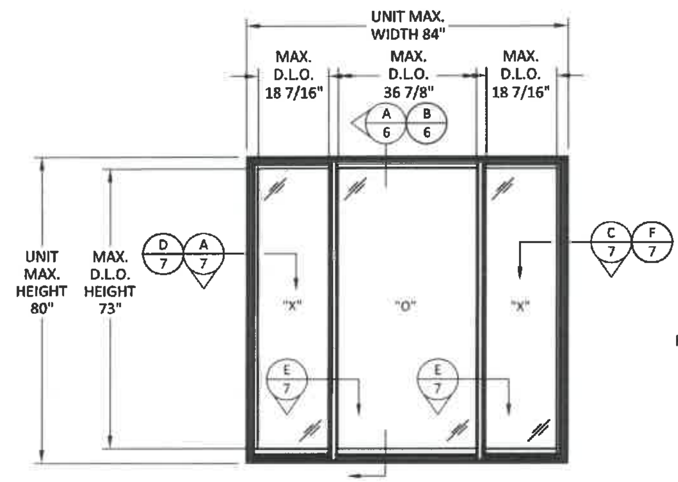


ELEVATION
84" X 80" XOX UNIT
1:1:1 SASH RATIO

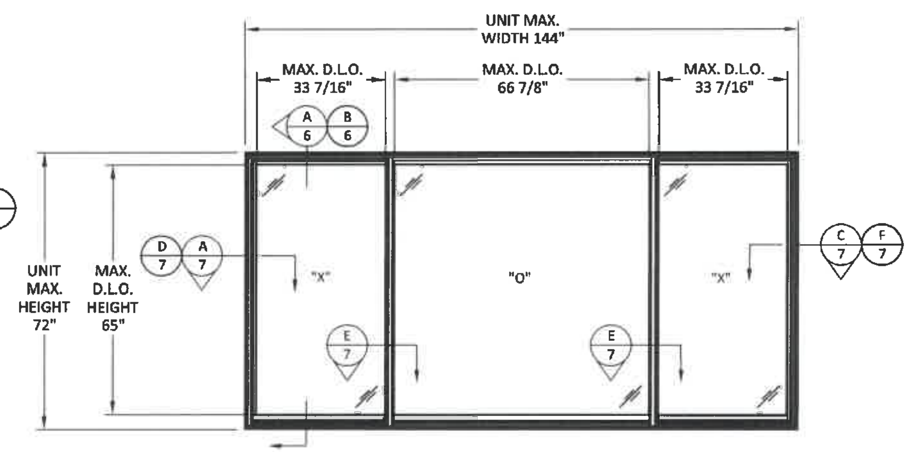


ELEVATION
144" X 72" XOX UNIT
1:1:1 SASH RATIO

NOTE:
ALTERNATE MEETING STILE LOCATIONS MAY BE USED SUCH THAT MAX. DLO DIMENSIONS SHOWN HEREIN ARE NOT EXCEEDED.



ELEVATION
84" X 80" XOX UNIT
1:2:1 SASH RATIO



ELEVATION
144" X 72" XOX UNIT
1:2:1 SASH RATIO

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
ELEVATIONS

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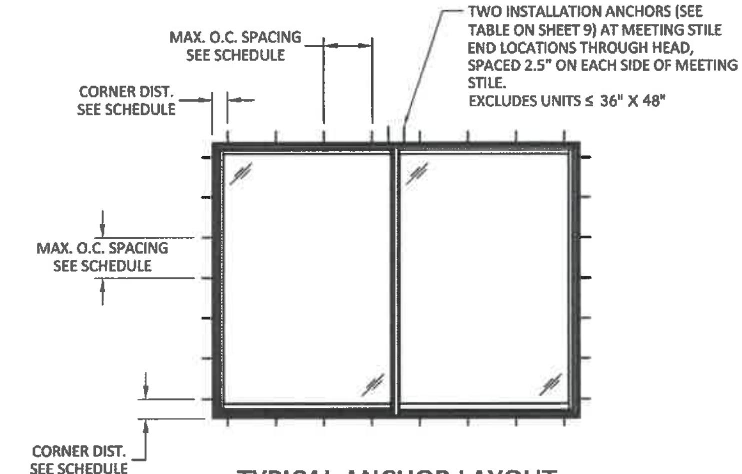
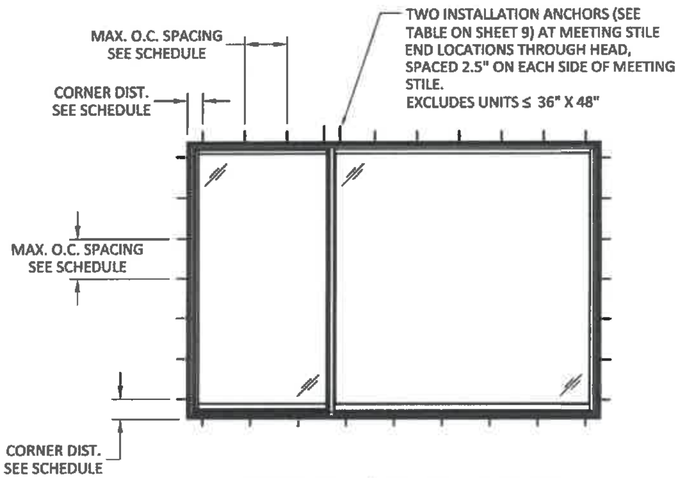
SHEET: 3 OF 9



TYPICAL ANCHOR LAYOUT

XO OR OX GLIDER
1:1 SASH RATIO



TYPICAL ANCHOR LAYOUT

XO GLIDER
1:2 SASH RATIO

ALL METHODS OF INSTALLATION REQUIRE A CONTINUOUS ½" BEAD OF SILICONE BELOW THE SILL

RENEWAL SERIES GLIDER ANCHOR SPACING

CONFIG.	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
"XO" OR "XX" GLIDER 1:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	15.25	15.25	16
	THROUGH FRAME	5.5	10.125	SEE NOTES	15.25
"XO" OR "XX" GLIDER 1:2 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	15	15	16
	THROUGH FRAME	5.5	11.25	SEE NOTES	17.25

INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH FRAME, SPACED IN ACCORDANCE WITH THE INSTALLATION CLIP SPACING REQUIREMENTS LISTED IN THE ABOVE TABLE.
- FOR CUSTOM SASH RATIOS, USE WORST CASE ANCHOR SPACING BETWEEN EQUAL SASH AND 1:2 OR 1:2:1 SASH RATIOS FROM TABLE ABOVE.
- REFER TO SHEET 1, SEE TABLE ON SHEET 9 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.

RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING

CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XO & OX GLIDER 40" X 40"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 56" X 48"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 74" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XO & OX GLIDER 74" X 72"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	12.5	12.5	12.5
XO & OX GLIDER 88" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	15.25	15.25	15.25

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH ¼ ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4 INCH SHIM STACK. JAMB SHIM NOT REQUIRED WHEN USING JAMB CLIP FOR SILL FASTENING.

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
ANCHOR LAYOUTS

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REMARKS	BY	DATE

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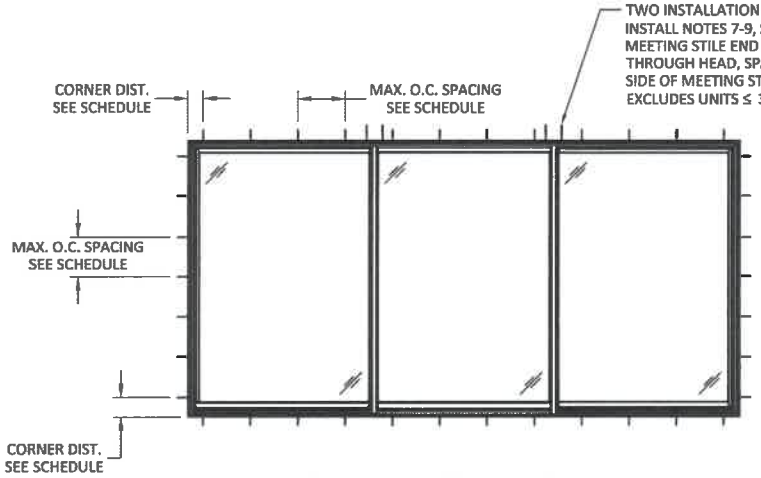
DWG. BY: RV | CHK. BY: HFN

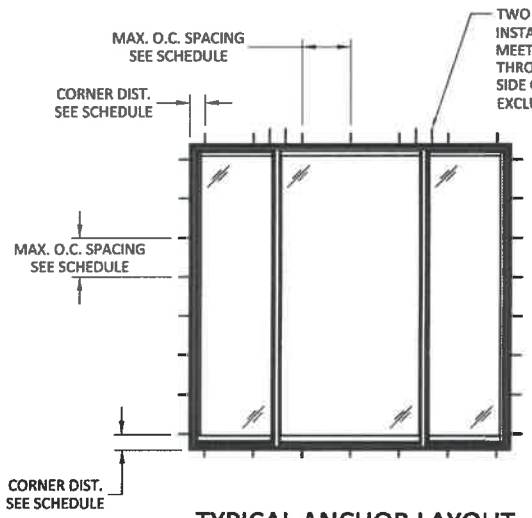
SCALE: NTS

DWG. #: AWD243



TYPICAL ANCHOR LAYOUT

XOX GLIDER
1:1:1 SASH RATIO



TYPICAL ANCHOR LAYOUT

XOX GLIDER
1:2:1 SASH RATIO

ALL METHODS OF INSTALLATION REQUIRE A CONTINUOUS ½" BEAD OF SILICONE BELOW THE SILL

RENEWAL SERIES GLIDER ANCHOR SPACING

CONFIG.	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
"XOX" GLIDER 1:1:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	14.5	14.5	16
	THROUGH FRAME	5.5	10.375	SEE NOTES	21.5
"XOX" GLIDER 1:2:1 SASH RATIO	NAIL FIN	3.5	3.5	3.5	3.5
	INSTALLATION CLIP	5.5	12.125	12.125	16
	THROUGH FRAME	5.5	10.5	SEE NOTES	22

INSTALLATION NOTES:

- FOR THROUGH FRAME INSTALLATIONS, INSTALLATION CLIPS MUST BE USED AT THE SILL IN LIEU OF FASTENERS THROUGH FRAME, SPACED IN ACCORDANCE WITH THE INSTALLATION CLIP SPACING REQUIREMENTS LISTED IN THE ABOVE TABLE.
- FOR CUSTOM SASH RATIOS, USE WORST CASE ANCHOR SPACING BETWEEN EQUAL SASH AND 1:2 OR 1:2:1 SASH RATIOS FROM TABLE ABOVE.
- REFER TO SHEET 1, INSTALLATION NOTES 4-11 FOR ANCHOR TYPE DEPENDENT ON INSTALLATION METHOD AND SUBSTRATE.

RENEWAL SERIES DP UPGRADE GLIDER ANCHOR SPACING

CONFIG. & SIZE	INSTALLATION METHOD	FROM CORNERS (IN)	MAX O.C. HEAD (IN)	MAX O.C. SILL (IN)	MAX O.C. JAMBS (IN)
XOX 1:1:1 & 1:2:1 GLIDER 56" X 48"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 1:1:1 & 1:2:1 GLIDER 74" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	9	9	9
XOX 1:1:1 & 1:2:1 GLIDER 108" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	13.75
XOX 1:1:1 & 1:2:1 GLIDER 108" X 72"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	19.25
XOX 1:1:1 & 1:2:1 GLIDER 120" X 64"	THROUGH FRAME & JAMB CLIP INSTALL (SILL ONLY)	5.5	10.5	12.125	17.5

INSTALLATION NOTES:

- DP UPGRADE PRODUCTS WHEN ANCHORING WITH ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4 INCH SHIM STACK. JAMB SHIM NOT REQUIRED WHEN USING JAMB CLIP FOR SILL FASTENING.

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ) ANCHOR LAYOUTS

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REMARKS	BY	DATE

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HERMES F. NORIEGA LICENSE No. 73776 STATE OF FLORIDA PROFESSIONAL ENGINEER

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BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
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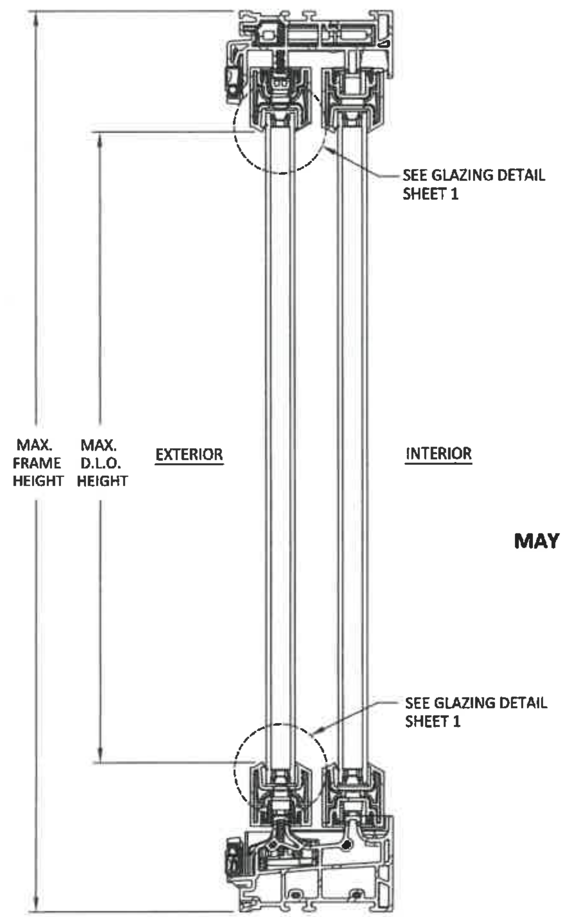
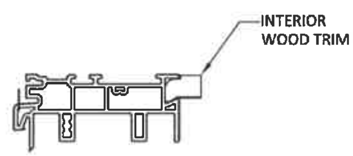
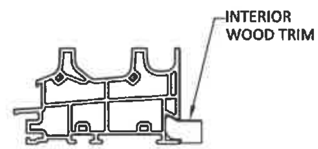
SHEET: 5 OF 9



A
6
VERTICAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION

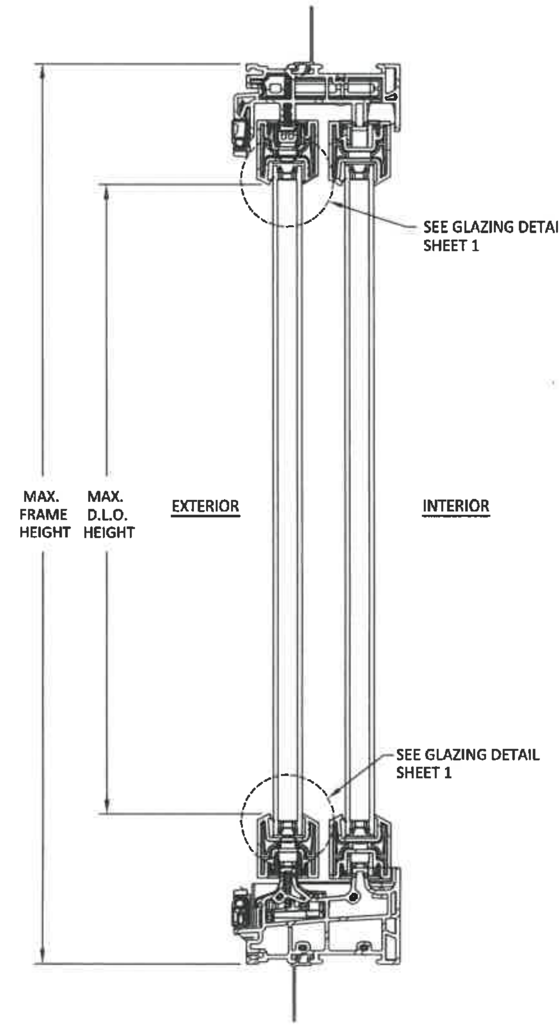


EJ HEAD/JAMB FRAME



EJ SILL FRAME

ALTERNATE EJ FRAME
MAY BE USED AS EQUAL ALTERNATE FRAME TYPE



B
6
VERTICAL SECTION
NAIL FIN INSTALLATION

NAIL FIN/FLANGE IS REVERSIBLE, SEE ORIENTATION DIFFERENCE BETWEEN HEAD AND SILL.

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VERTICAL SECTIONS

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FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563

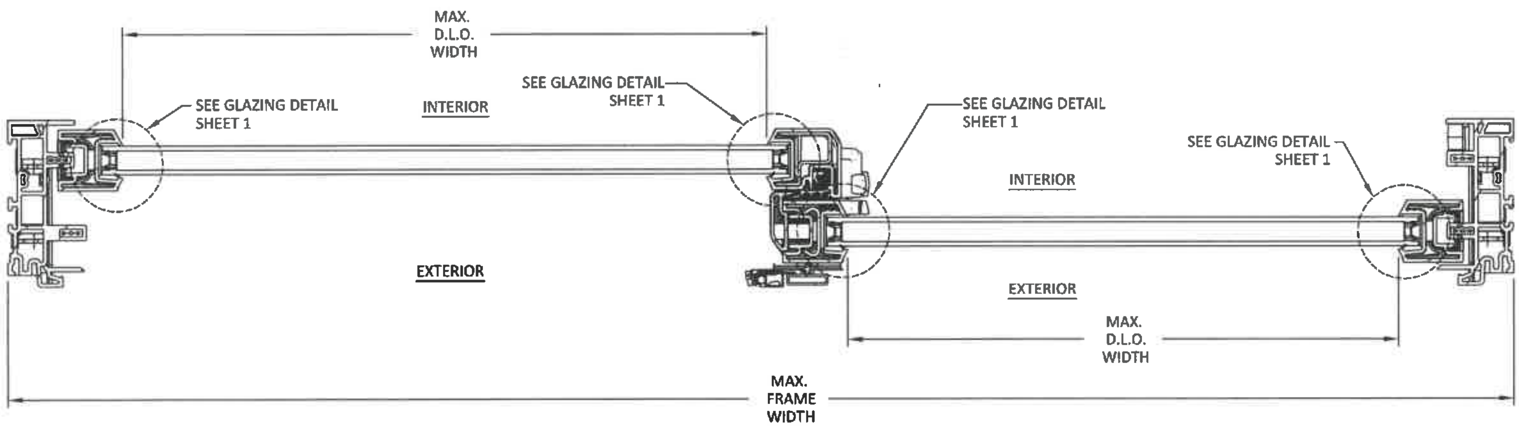
DATE: 11.07.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD243

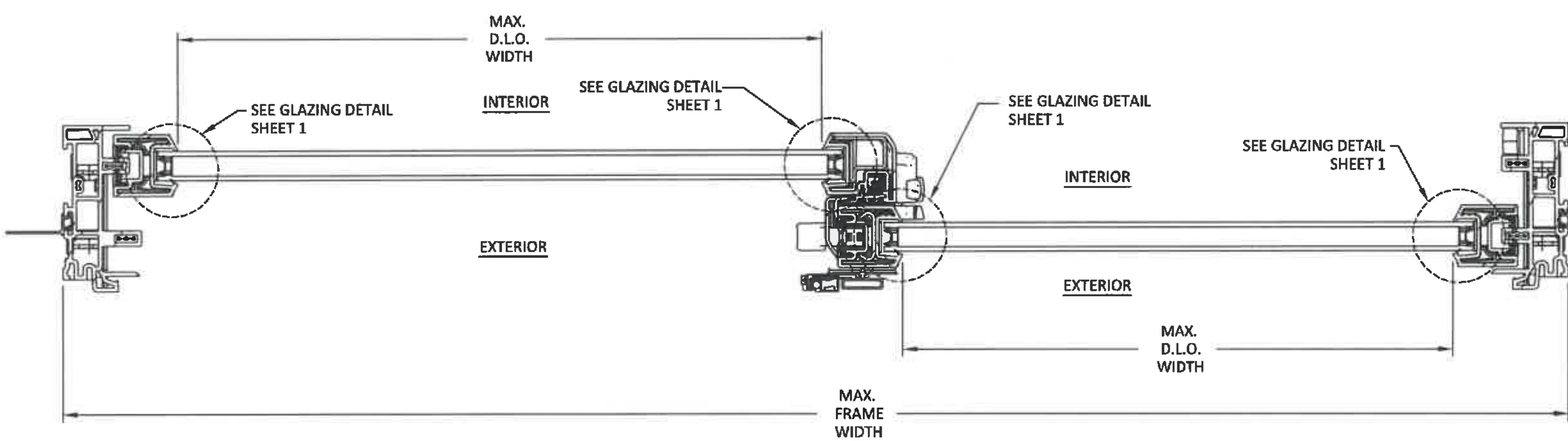
SHEET: 6 OF 9



A/7 HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION

B/7 HORIZONTAL SECTION
ACTIVE/PASSIVE MEETING STILE

C/7 HORIZONTAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



D/7 HORIZONTAL SECTION
NAIL FIN INSTALLATION

E/7 HORIZONTAL SECTION
ACTIVE/STATIONARY MEETING STILE

F/7 HORIZONTAL SECTION
NAIL FIN INSTALLATION

Andersen. AW WINDOWS • DOORS

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
HORIZONTAL SECTIONS

PREPARED BY:
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SHEET: 7 OF 9

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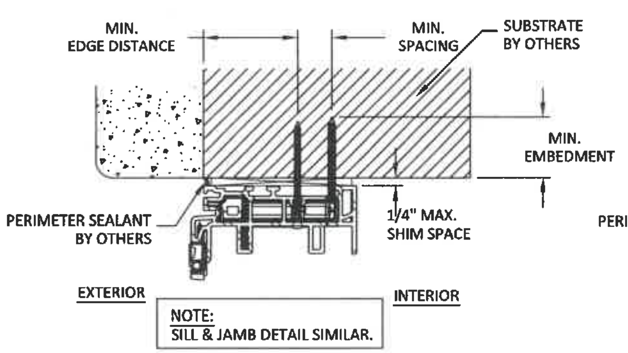
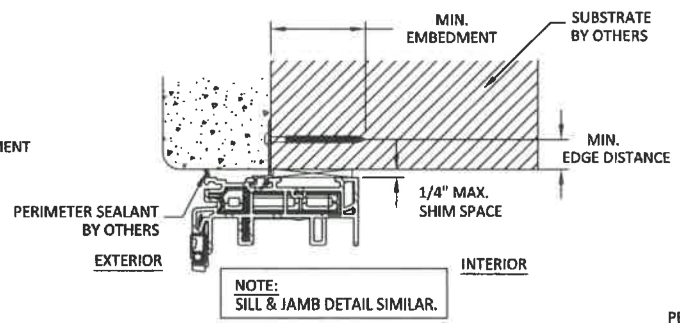


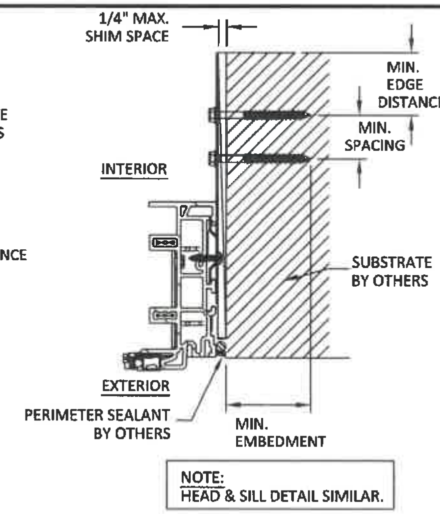
NOTE:
SILL & JAMB DETAIL SIMILAR.

A/8 VERTICAL SECTION
THROUGH FRAME (HEAD)



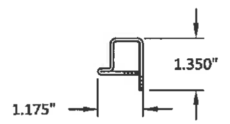
NOTE:
SILL & JAMB DETAIL SIMILAR.

B/8 VERTICAL SECTION
NAIL FIN (HEAD)

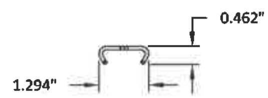


NOTE:
HEAD & SILL DETAIL SIMILAR.

C/8 HORIZONTAL SECTION
THROUGH CLIP (JAMB)

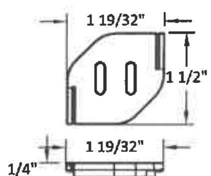


ACTIVE SASH MEETING STILE REINFORCEMENT DETAIL

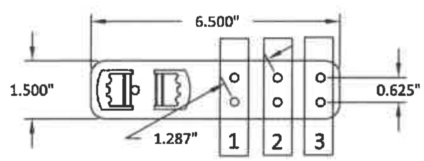


PASSIVE/STATIONARY SASH MEETING STILE REINFORCEMENT DETAIL

SASH REINFORCEMENT REQUIREMENTS	
SIZE	REINFORCING
UNIT HEIGHT ≥ 54"	REQUIRES STEEL REINFORCEMENT IN ACTIVE AND PASSIVE OR STATIONARY SASH MEETING STILES
UNIT HEIGHT < 54"	NOT REQUIRED



JAMB SHIM



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 HWH 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.

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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563
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DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD243
SHEET: 8 OF 9

12/17/2018 11:37 PM

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
4. 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.
5. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
9. 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.

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 FLATHEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	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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TITLE: RENEWAL SERIES GLIDING WINDOW (NON-IMPACT) (NON-HVHZ)
INSTALLATION NOTES & ANCHOR SCHEDULE

PREPARED BY: BUILDING DROPS, INC.
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19563
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD243
SHEET: 9 OF 9

FL 19562.6

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/I.S.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 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. 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 DETAILED 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
72" X 98"	+50.0 / -50.0 PSF	2 PIECE

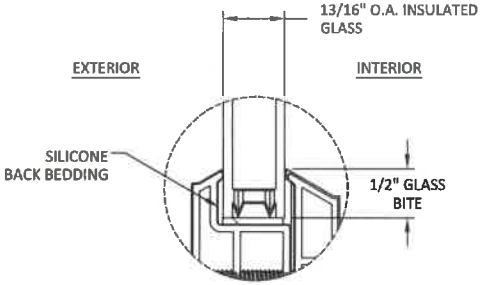
*SEE FRAME DESCRIPTIONS ON SHEET 2 & 5

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
98" X 72"	+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.

TABLE OF CONTENTS	
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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TITLE: RENEWAL BY ANDERSEN FIXED WINDOWS - UNIVERSAL FRAME (NON-HVHZ)(NON-IMPACT)
GENERAL NOTES & GLAZING DETAIL

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REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.24.20
RADIUS UPDATE	MS	10/20/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.11.21 11:11:41 -05'00'

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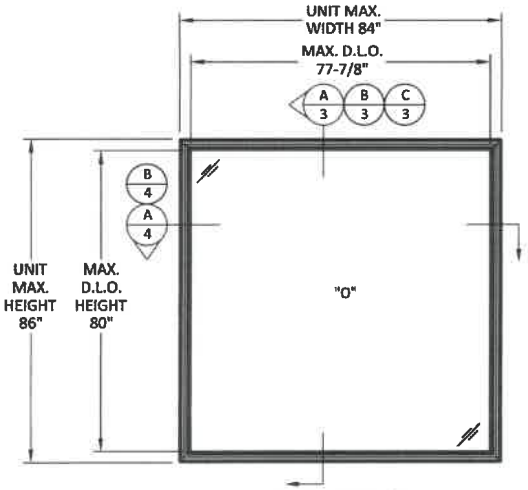
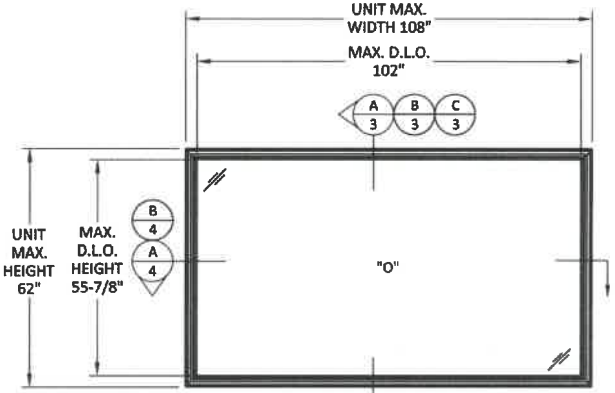
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

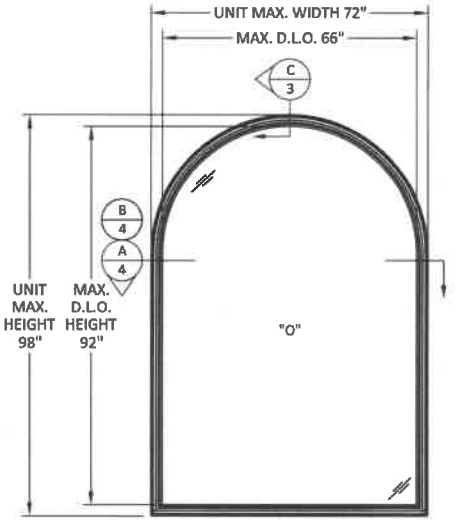
FL #: FL19562
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD244
SHEET: 1 OF 6



ELEVATION
1 PIECE FRAME



ELEVATION
1 PIECE FRAME



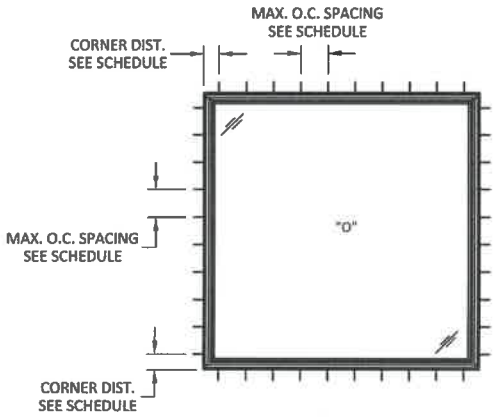
ELEVATION
2 PIECE FRAME

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

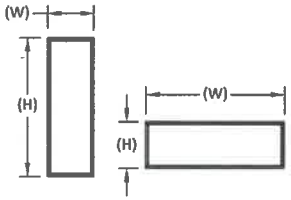
NOTE:
ALL TYPICAL SUBSTRATE SHOWN HEREIN MAY BE USED AT THE HEAD, JAMBS, OR SILL. EDGE DISTANCE AND EMBEDMENT SHALL BE AS SPECIFIED IN TYPICAL DETAILS. SEE TABLE ON SHEET 6 FOR ANCHOR SPECIFICATIONS FOR EACH INSTALLATION METHOD.

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)
THROUGH FRAME	6	8.5	8.5	8.5

NOTE:
DP UPGRADE PRODUCTS WHEN ANCHORING WITH $\frac{3}{16}$ ITW TAPCON FASTENERS THE JAMB SHIM MUST BE USED BETWEEN THE FRAME AND THE 1/4 INCH SHIM STACK, SEE SHEET 5.



ANCHOR LAYOUT



NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.

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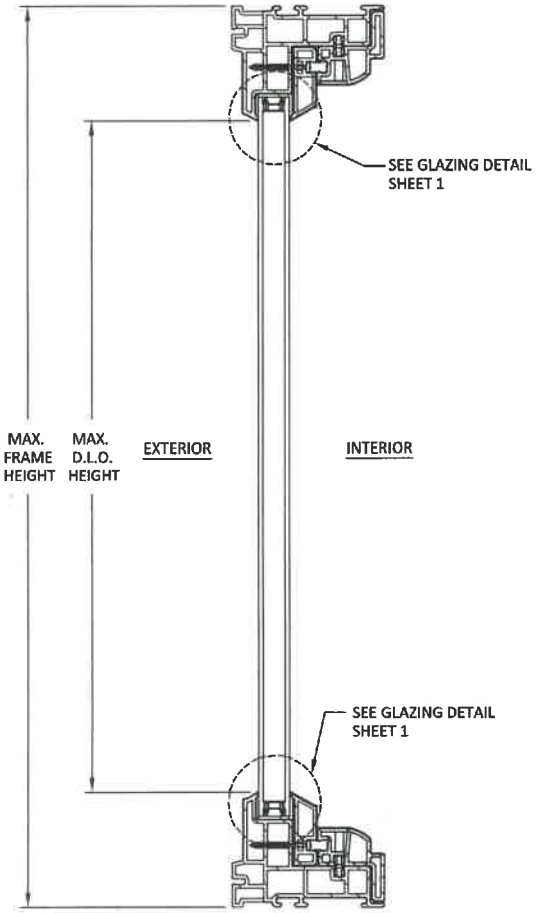
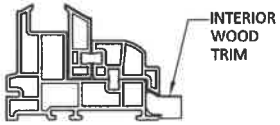
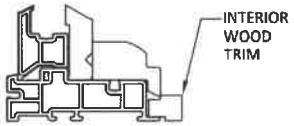


A 3 VERTICAL SECTION
THROUGH FRAME AND THROUGH CLIP INSTALLATION



ALTERNATE EJ FRAME - 1 PIECE
MAY BE USED AS EQUAL ALTERNATE

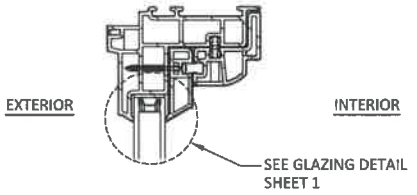


ALTERNATE EJ FRAME - 2 PIECE
MAY BE USED AS EQUAL ALTERNATE

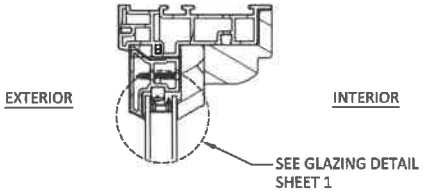
ALTERNATE EJ FRAME
MAY BE USED AS EQUAL ALTERNATE FRAME TYPE

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 OR EQUAL TO 36" RADIUSES SHALL USE 2 PIECE FRAMES, LARGER BENDING RADIUSES MAY USE 1 PIECE FRAME.



B 3 VERTICAL SECTION
TYPICAL 1 PIECE FRAME DETAIL
USED FOR RECTANGULAR PICTURE WINDOWS



C 3 VERTICAL SECTION
TYPICAL 2 PIECE FRAME DETAIL
USED FOR SPECIALTY SHAPED WINDOWS

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

TITLE: RENEWAL BY ANDERSEN FIXED WINDOWS - UNIVERSAL FRAME (NON-HVHZ)(NON-IMPACT) VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com
BUILDING DROPS

REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.24.20
RADIUS UPDATE	MS	10/20/23

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

1900 NE MIAMI CT. SUITE 2-15
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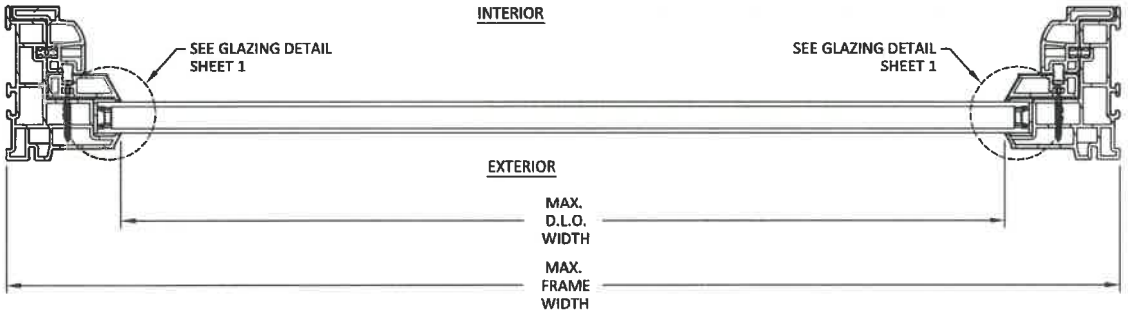
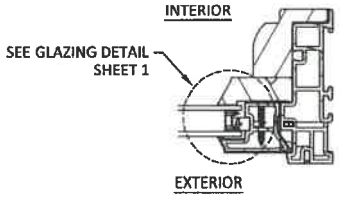
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19562
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD244
SHEET: 3 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

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

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

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
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REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.24.20
RADIUS UPDATE	MS	10/20/23

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.

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
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FL #: FL19562

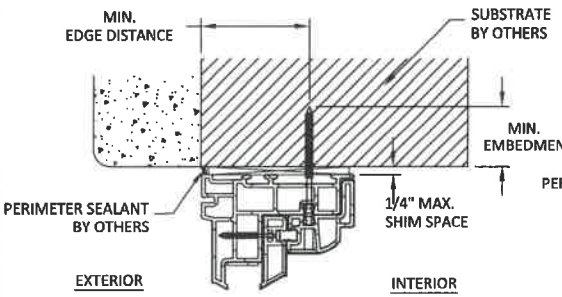
DATE: 11.07.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

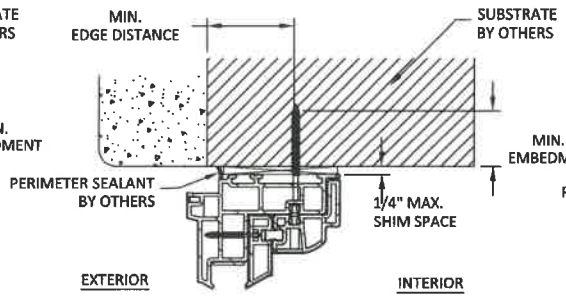
DWG. #: AWD244

SHEET: 4 OF 6



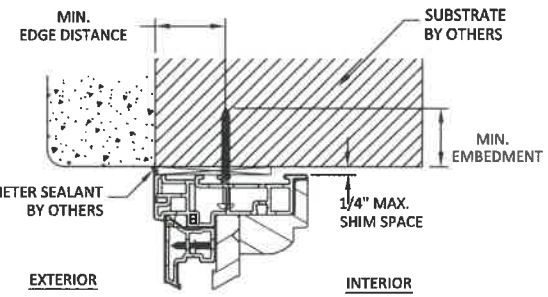
NOTE:
SILL & JAMB DETAIL SIMILAR.

A/5 VERTICAL SECTION
THROUGH FRAME (HEAD)



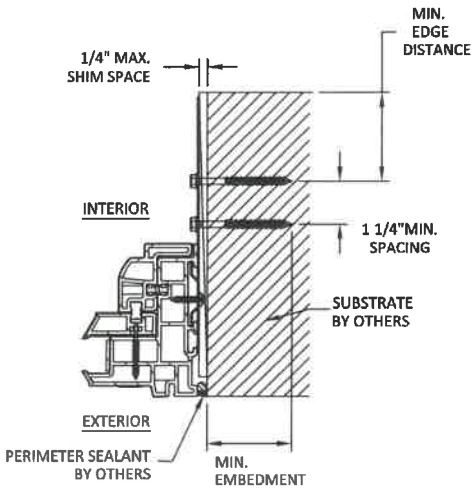
NOTE:
SILL & JAMB DETAIL SIMILAR.

B/5 VERTICAL SECTION
THROUGH FRAME (HEAD)



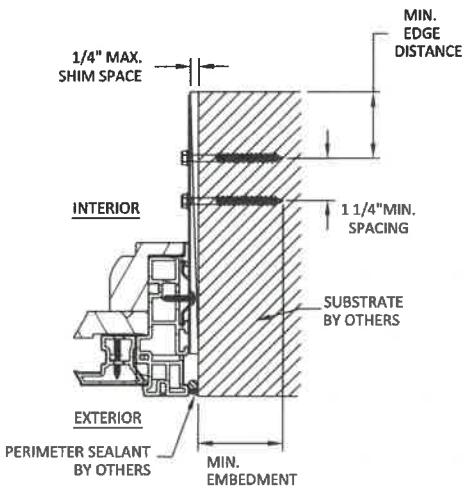
NOTE:
SILL & JAMB DETAIL SIMILAR.

C/5 VERTICAL SECTION
THROUGH FRAME (HEAD)



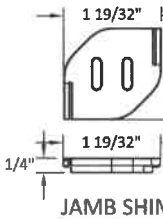
NOTE:
HEAD & SILL DETAIL SIMILAR.

D/5 HORIZONTAL SECTION
THROUGH CLIP (JAMB)

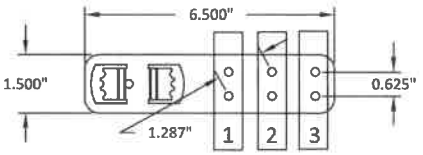


NOTE:
HEAD & SILL DETAIL SIMILAR.

E/5 HORIZONTAL SECTION
THROUGH CLIP (JAMB)



JAMB SHIM



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 HWH 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.

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

TITLE: RENEWAL BY ANDERSEN FIXED WINDOWS - UNIVERSAL FRAME (NON-HVHZ)(NON-IMPACT)
ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
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REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.24.20
RADIUS UPDATE	MS	10/20/23

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19562
DATE: 11.07.18
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD244
SHEET: 5 OF 6

INSTALLATION NOTES:

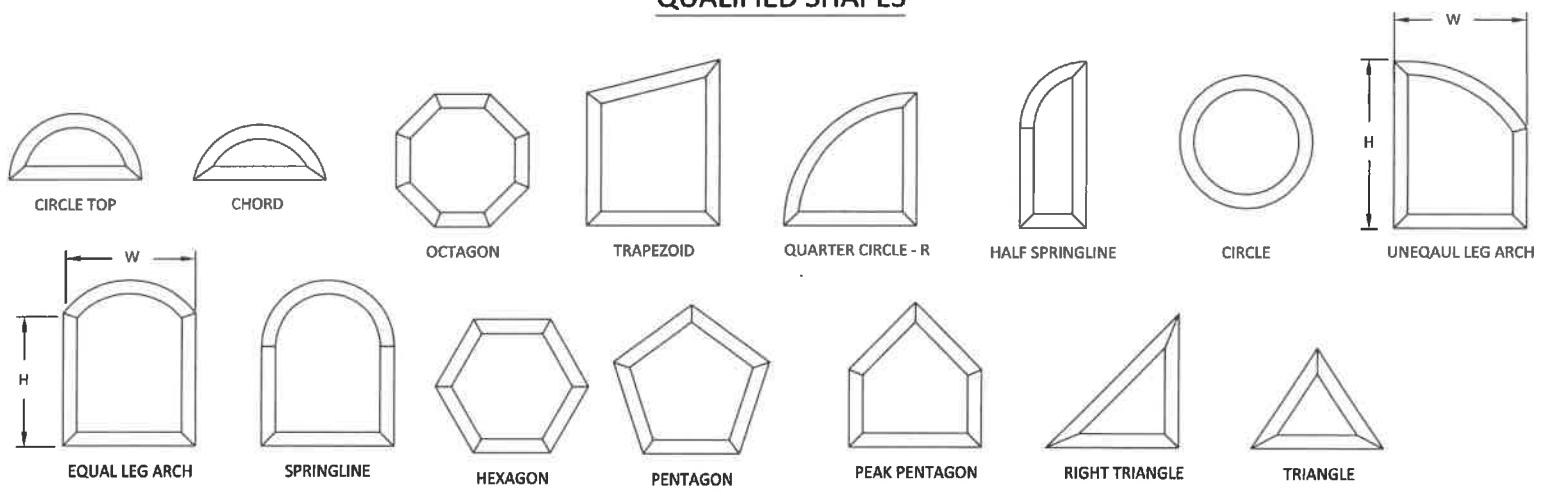
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION, UNLESS OTHERWISE SHOWN ON SHEET 5.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
4. 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.
5. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK 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.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
9. 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.

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 FLATHEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	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"

QUALIFIED SHAPES MUST BE INSCRIBED WITHIN TESTED SIZE.

QUALIFIED SHAPES



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

TITLE: RENEWAL BY ANDERSEN FIXED WINDOWS - UNIVERSAL FRAME (NON-HVHZ)(NON-IMPACT) INSTALLATION NOTES, ANCHOR SCHEDULE & QUALIFIED SHAPES

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH FBC CODE CHANGE	SR	3.24.20
RADIUS UPDATE	MS	10/20/21

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

1900 NE MIAMI CT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL19562

DATE: 11.07.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD244

SHEET: 6 OF 6

ANDERSEN CORPORATION

RENEWAL BY ANDERSEN DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT) (NON-HVHZ)

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/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND 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. 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 DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: FIBREX
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.

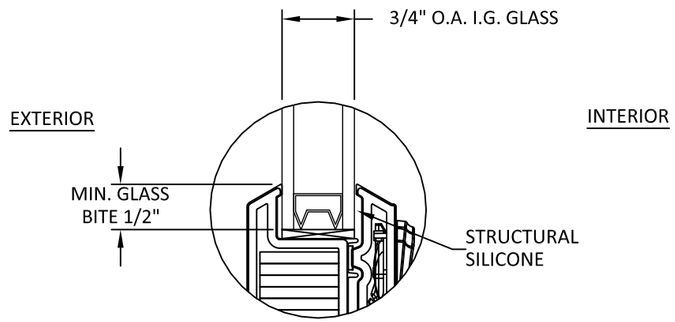
SILL TYPE	MAX OVERALL SIZE		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	32.0	76.0	25-15/16	33-3/8	33-3/8	+/-40	1:1	X/X	NON-IMPACT
	40.0	76.0	33-15-16	33-3/8	33-3/8				
	48.0	76.0	41-15/16	33-3/8	33-3/8				
	54.0	72.0	47-15/16	31-3/8	31-3/8	+/-30			
	40.0	96.0	33-15/16	43-3/8	43-3/8				
	48.0	96.0	41-15/16	43-3/8	43-3/8				
FLAT OR SLOPE	48.0	96.0	41-15/16	65-1/16	21-11/16	+/-40	3:1		
	40.0	76.0	33-15/16	50-1/16	16-11/16				
	54.0	72.0	47-15/16	47-1/16	15-11/16				

DESIGN PRESSURE UPGRADE RATING

SILL TYPE	MAX OVERALL SIZE		MAX D.L.O. SIZE			DESIGN PRESSURE	RATIO	CONFIG.	MISSILE IMPACT RATING
	WIDTH	HEIGHT	WIDTH	UPPER SASH	LOWER SASH				
FLAT OR SLOPE	30.0	68.0	23-15/16	29-3/8	29-3/8	+50/-65	1:1	X/X	NON-IMPACT
	36.0	68.0	29-15/16	29-3/4	29-3/4				
	40.0	72.0	33-15/16	31-3/8	31-3/8				
FLAT	40.0	76.0	33-15/16	33-3/8	33-3/8				
SLOPE	40.0	75.3	33-15/16	33-2/5	33-2/5				
FLAT	36.0	62.0	29-15/16	26-3/8	26-3/8	+69/-81			
SLOPE	36.0	61.3	29-15/16	26-2/5	26-2/5				

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.

TABLE OF CONTENTS



GLAZING DETAIL 1

NOTE:
1. GLASS TYPE THICKNESS SHALL COMPLY WITH ASTM E-1300 GLASS CHART REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC
3. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
4. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT 1/4 SPAN FROM CORNERS.

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ)
GENERAL NOTES & GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2018.12.16 19:37:54 -05'00'

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL27970

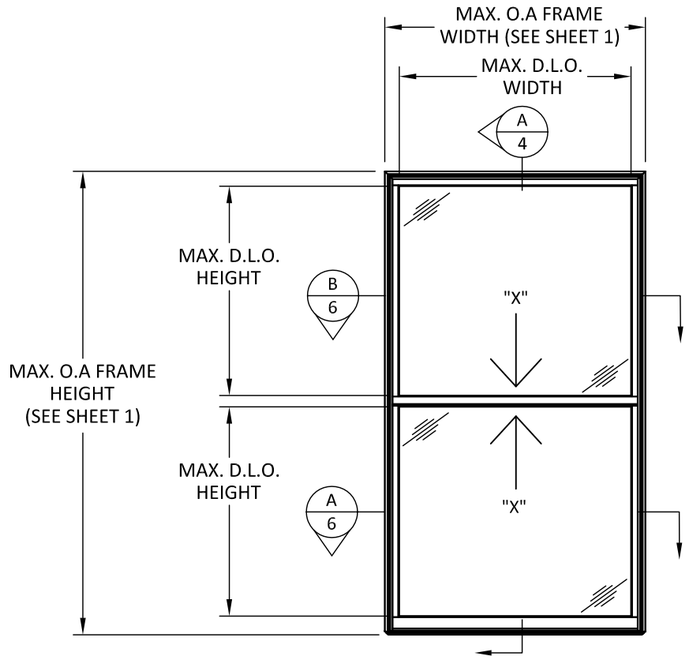
DATE: 02.22.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

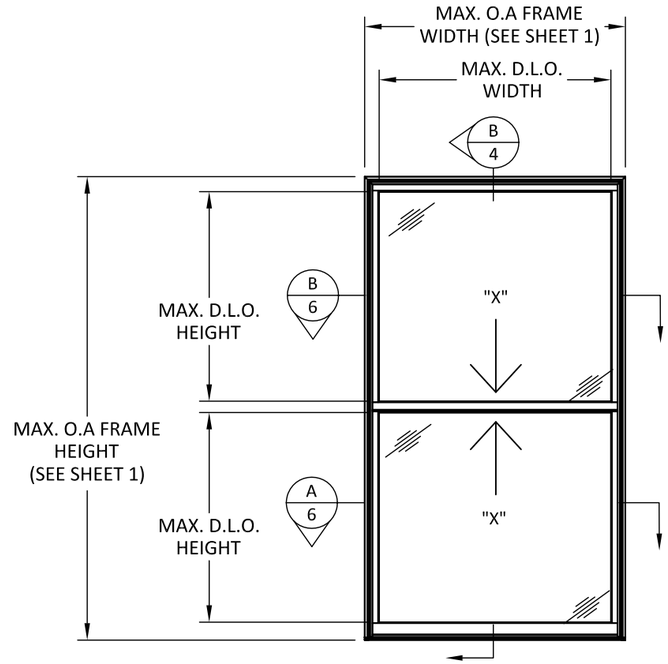
DWG. #: AWD234

SHEET: 1 OF 7



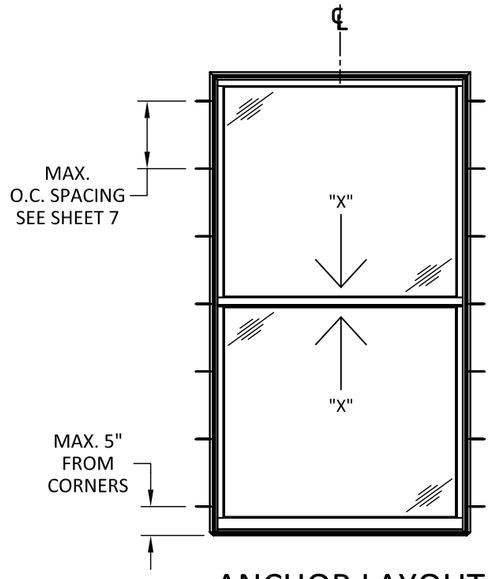
ELEVATION

DOUBLE HUNG WINDOW
SLOPE SILL - 1:1



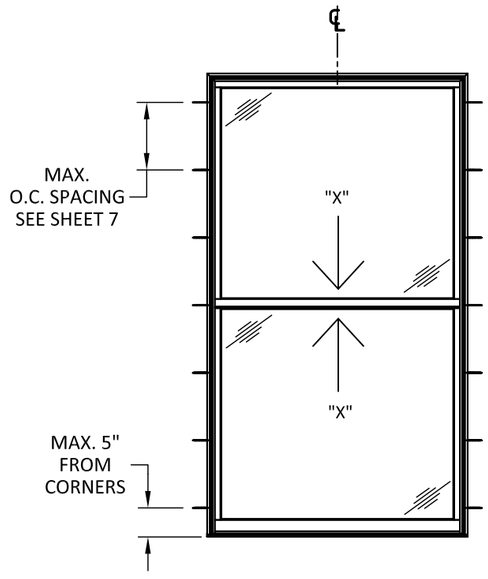
ELEVATION

DOUBLE HUNG WINDOW
FLAT SILL 1:1



ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW
SLOPE SILL - 1:1



ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 1:1

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ) ELEVATIONS AND ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

HERMES F. NORIEGA, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
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FL #: FL27970

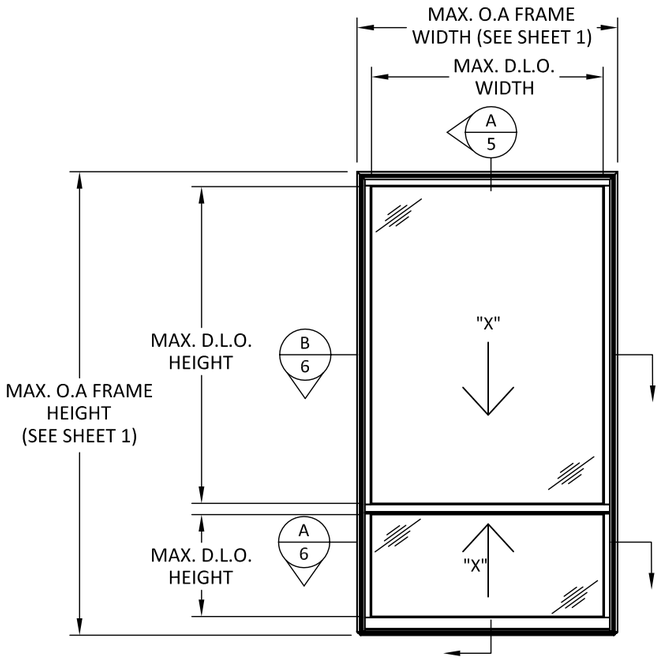
DATE: 02.22.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

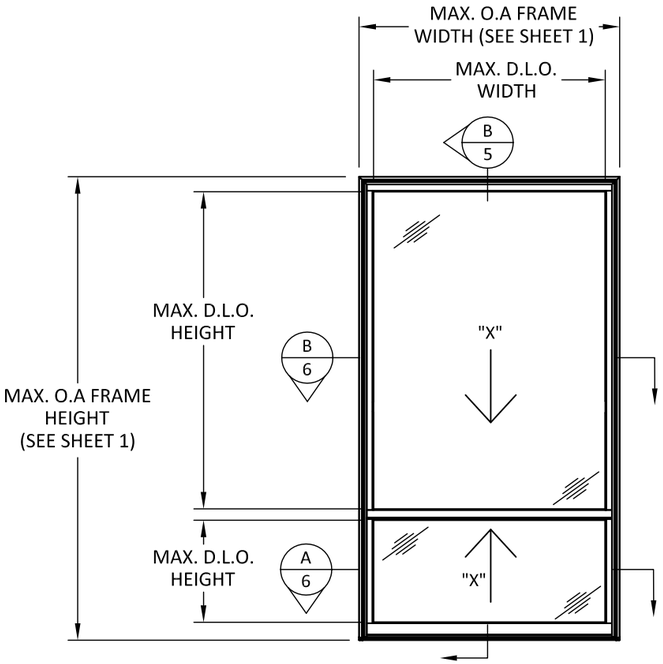
DWG. #: AWD234

SHEET: 2 OF 7



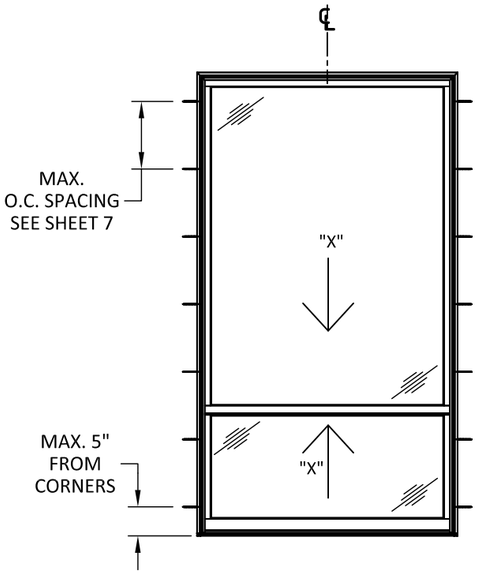
ELEVATION

DOUBLE HUNG WINDOW
SLOPE SILL - 3:1



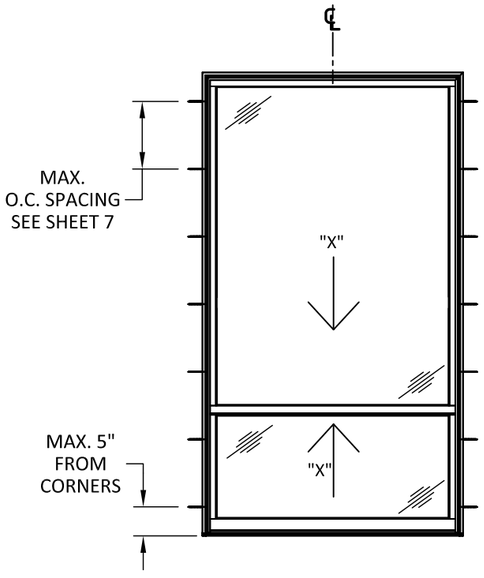
ELEVATION

DOUBLE HUNG WINDOW
FLAT SILL 3:1



ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 3:1



ANCHOR LAYOUT

THROUGH FRAME - DOUBLE HUNG WINDOW
FLAT SILL 3:1

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TITLE: DG SERIES DOUBLE HUNG WINDOW (NON-IMPACT)(NON-HVHZ) ELEVATIONS AND ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE
SIZE GRID UPDATE	HR	11.26.18

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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL27970

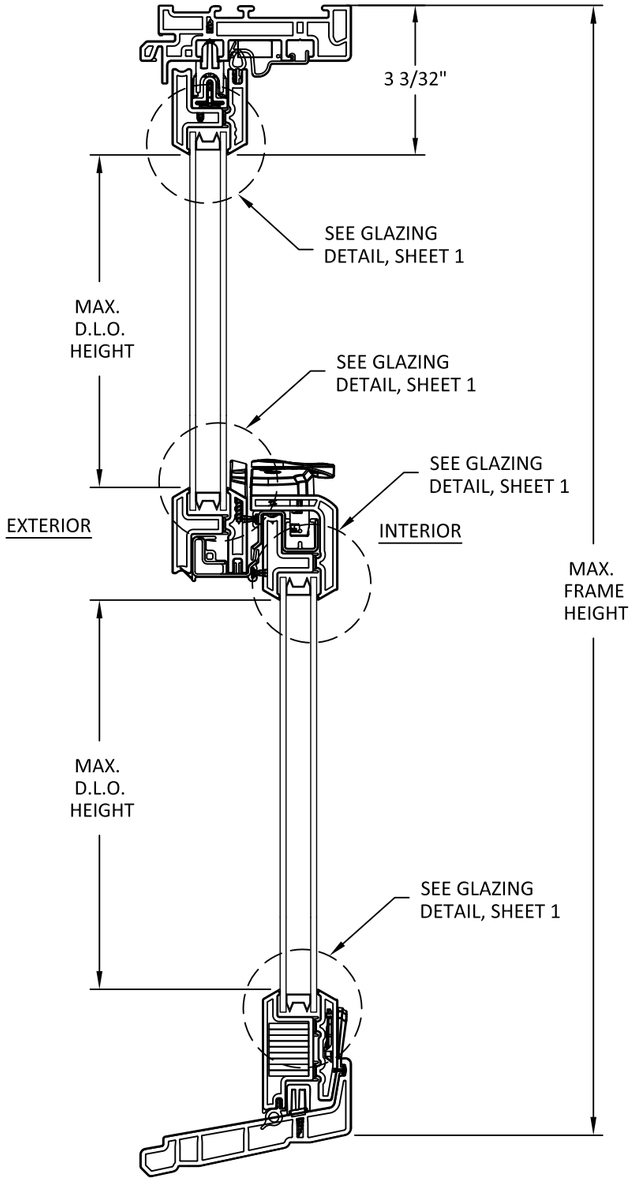
DATE: 02.22.18

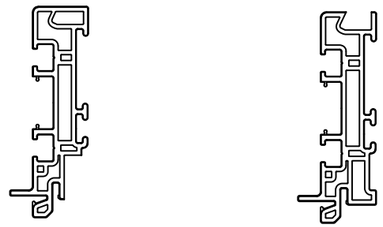
DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD234

SHEET: 3 OF 7

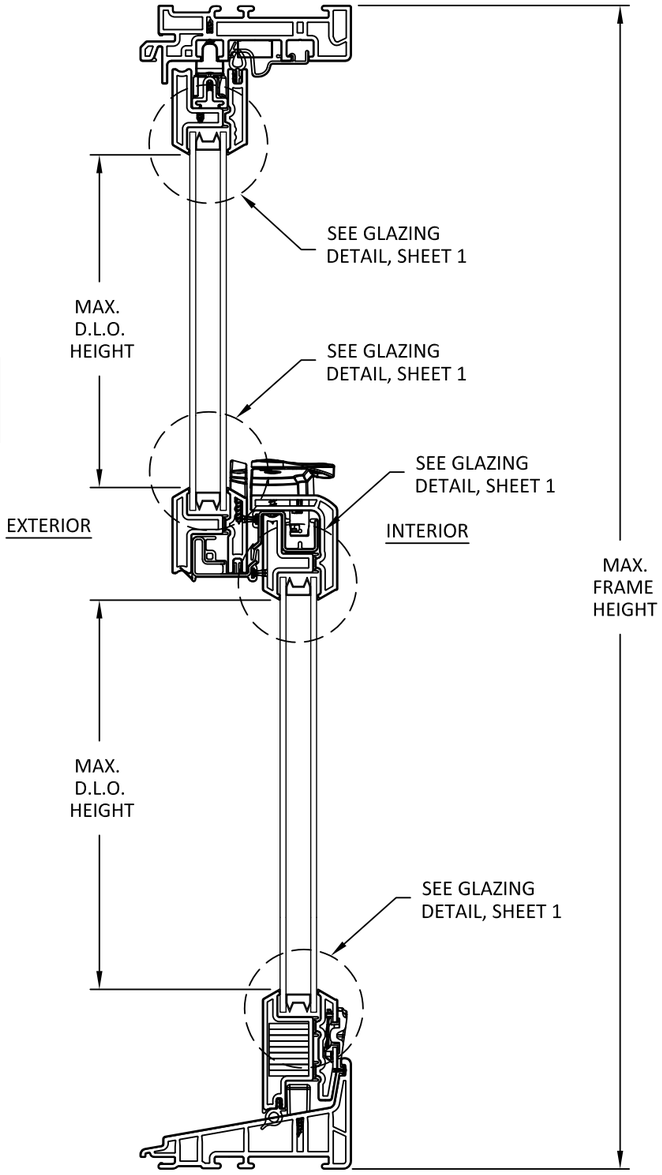




1 POCKET NOTCH

2 EJ FRAME

NOTE:
1. THE PROFILES SHOWN ABOVE ARE ALSO QUALIFIED AS AN OPTION FOR USE OTHER THAN BASE FRAME AT THE HEAD.



A/4 **VERTICAL SECTION**
SLOPE SILL 1:1

B/4 **VERTICAL SECTION**
FLAT SILL 1:1

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RV	HFN

SCALE: NTS

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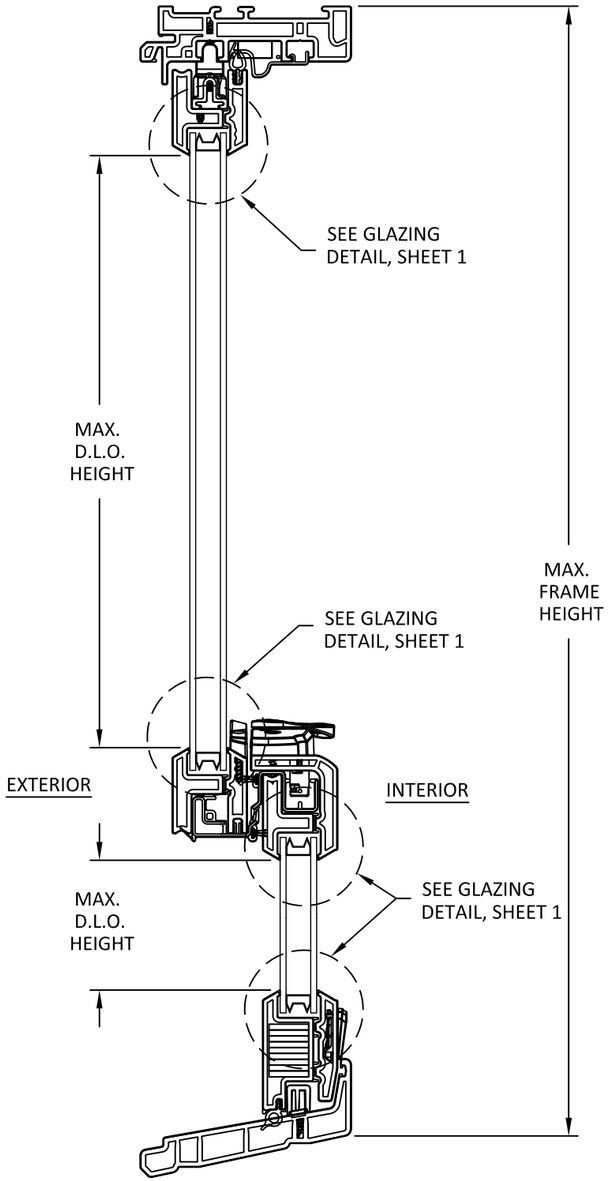
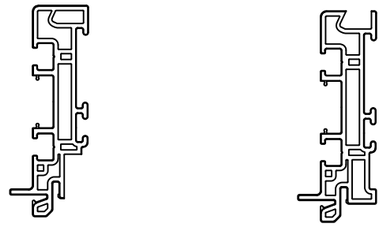
SHEET: 4 OF 7





1 POCKET NOTCH

2 EJ FRAME

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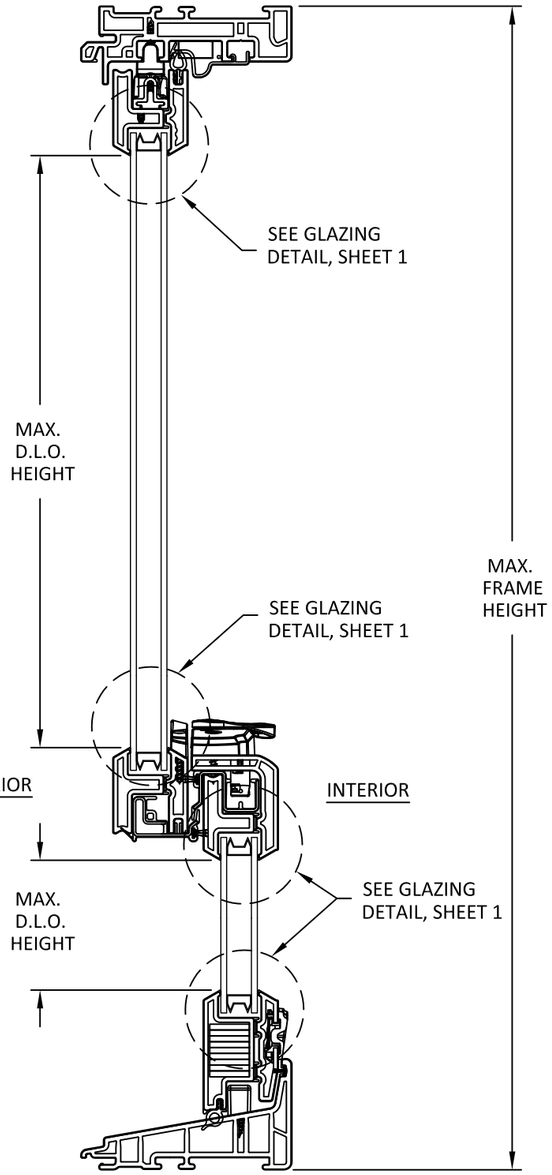

A/5 **VERTICAL SECTION**
SLOPED SILL 3:1

B/5 **VERTICAL SECTION**
FLAT SILL 3:1

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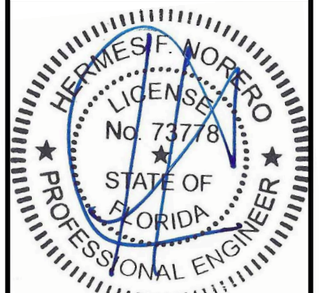

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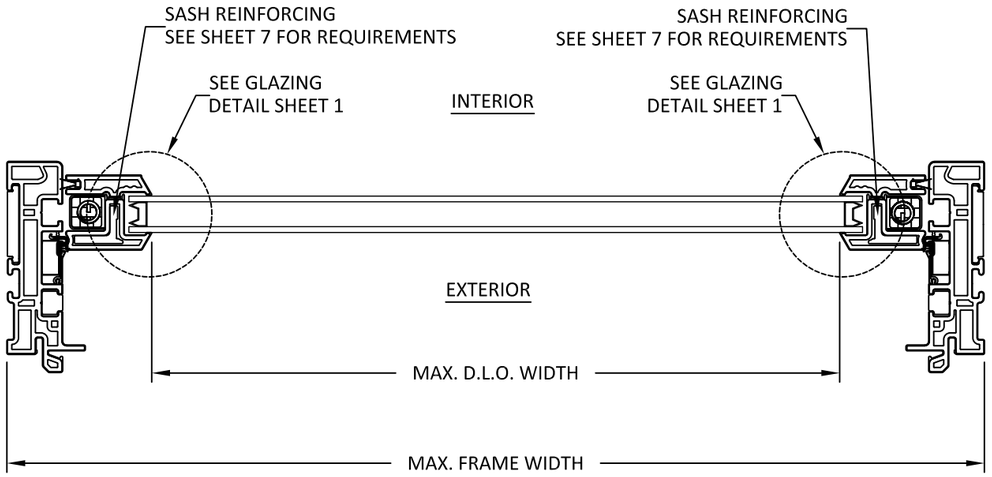
DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

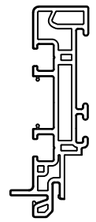
DWG. #: AWD234

SHEET: 5 OF 7

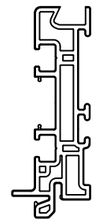


A/6 HORIZONTAL SECTION

LOWER SASH



1 POCKET NOTCH



2 EJ FRAME

NOTE:
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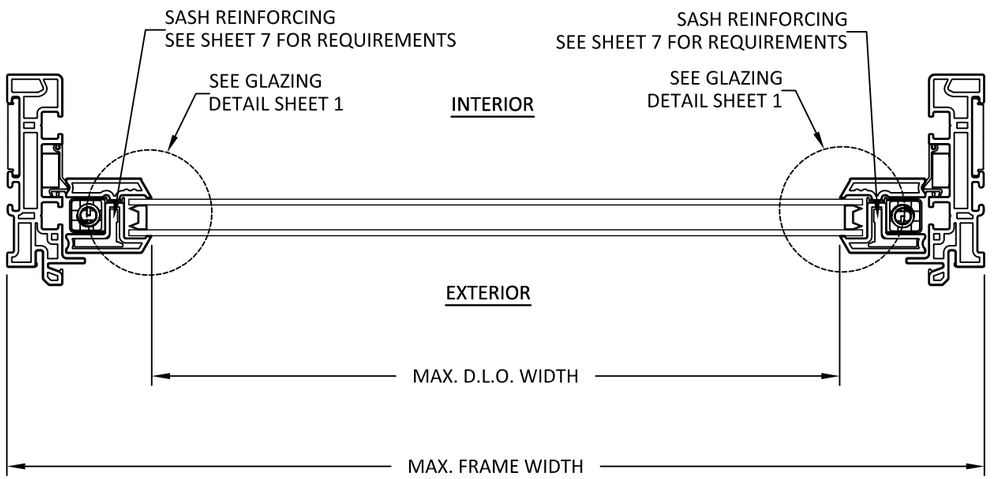

B/6 HORIZONTAL SECTION

UPPER SASH

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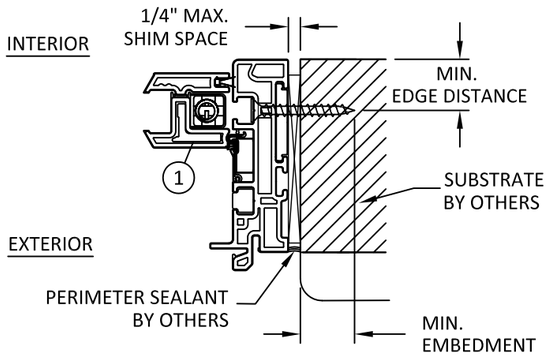
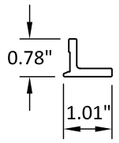
SHEET: 6 OF 7

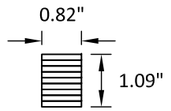


A 7 HORIZONTAL SECTION

THROUGH FRAME (JAMB)

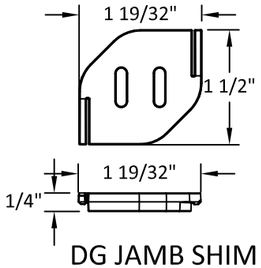


1 MEETING RAIL, LOWER & UPPER SASH LVL



2 LVL REINFORCEMENT BOTTOM SASH LVL

REINFORCEMENT DETAIL



DG JAMB SHIM

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"
	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.25

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
4. 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.
5. DG JAMB SHIM TO BE USED BETWEEN THE FRAME AND THE 1/4 INCH. SHIM STACK.
6. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK 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.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. 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.
10. 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.

Anchor Schedule - Max O.C. Spacing **Standard Double Hung Grid, +/- 40 PSF**			
	Width (in.)		
Height (in.)	24	36	48
27	8.5	8.5	8.5
36	13.0	13.0	13.0
48	19.0	19.0	19.0
60	24.0	24.0	16.7
72	24.0	20.7	15.5
76	24.0	22.0	16.5

Anchor Schedule - Max O.C. Spacing **DP Upgrade Double Hung Grid, +50/-65 PSF**			
	Width (in.)		
Height (in.)	24	32	40
27	8.5	8.5	8.5
36	13.0	13.0	13.0
48	19.0	12.7	12.7
60	24.0	16.7	12.5
72	20.7	15.5	12.4
76	22.0	13.2	11.0

Anchor Schedule - Max O.C. Spacing **DP Upgrade Double Hung Grid, +69/-81 PSF**	
	Width (in.)
Height (in.)	36
62	16.5

Anchor Schedule - Max O.C. Spacing **Standard Double Hung Grid, +/- 30 PSF**				
	Width (in.)			
Height (in.)	24	36	48	54
27	-	-	-	17.0
36	-	-	-	24.0
48	-	-	-	19.0
60	-	-	-	16.7
72	-	-	-	20.7
76	-	-	-	-
84	24.0	24.0	24.0	
96	24.0	24.0	21.5	

Anchor Schedule - Max O.C. Spacing **Fixed Upper Sash Double Hung Grid (INSERT AND BASE FRAME), +/- 40 PSF**				
	Width (in.)			
Height (in.)	24	36	48	54
27	8.5	8.5	8.5	8.5
36	13.0	13.0	13.0	13.0
48	19.0	19.0	19.0	12.7
60	24.0	24.0	16.7	12.5
72	24.0	20.7	15.5	15.5
76	24.0	22.0	16.5	
84	24.0	24.0	14.8	
96	24.0	21.5	17.2	

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SHEET: 7 OF 7