

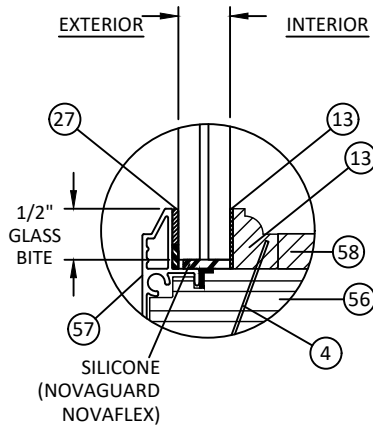
ANDERSEN CORPORATION

E-SERIES SPECIALTY (AUXILIARY) FIXED WINDOW (HVHZ)(IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: *ALUMINUM CLAD WOOD*.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEET 1.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

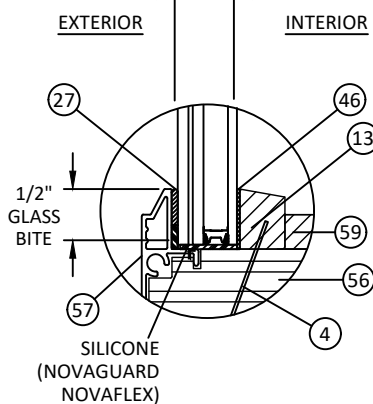
9/16" O.A. MONOLITHIC LAMINATED GLASS :
1/4" ANNEALED GLASS
0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA
1/4" ANNEALED GLASS



GLAZING DETAIL 1

SHOWN WITH COLONIAL GLASS STOP

1-1/4" O.A. INSULATED GLASS :
1/4" ANNEALED GLASS
0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA
1/4" ANNEALED GLASS
AIR SPACE: STAINLESS STEEL BOX SPACER
3/16" HEAT STRENGTHENED GLASS



GLAZING DETAIL 2

SHOWN WITH CONTEMPORARY GLASS STOP

GLAZING NOTES:

- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
- D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN DESIGN PRESSURE TABLES.

TABLE OF CONTENTS

SHEET	REVISION	SHEET DESCRIPTION
1	B	GENERAL NOTES AND GLAZING DETAILS
2	B	ELEVATIONS AND QUALIFIED CONFIGURATIONS
3	B	ANCHOR LAYOUTS
4	B	VERTICAL SECTIONS
5	B	HORIZONTAL SECTIONS
6	B	ANCHOR DETAILS
7	B	COMPONENTS AND BILL OF MATERIALS



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: E-SERIES SPECIALTY (AUXILIARY) FIXED WINDOW (HVHZ)(IMPACT)

GENERAL NOTES
AND GLAZING DETAILS

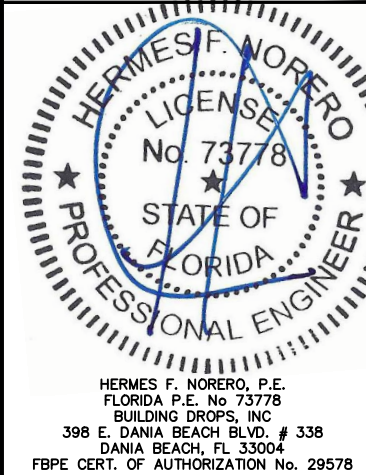
PREPARED BY:

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



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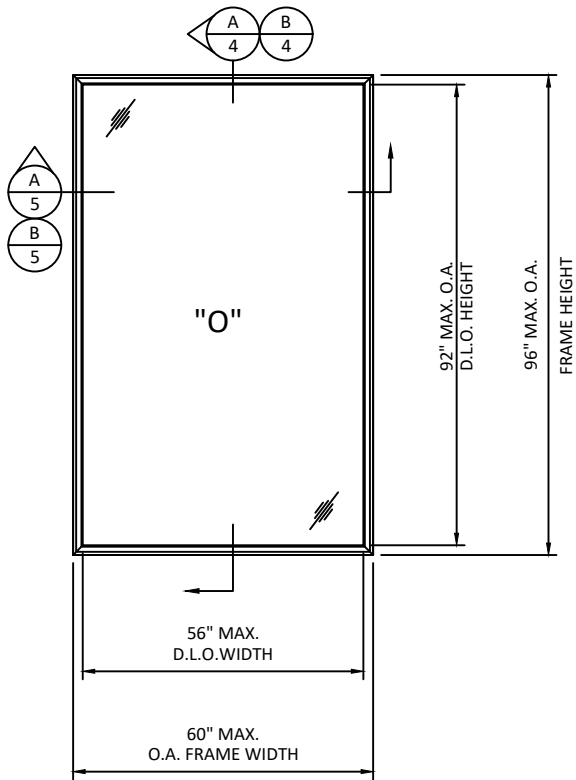
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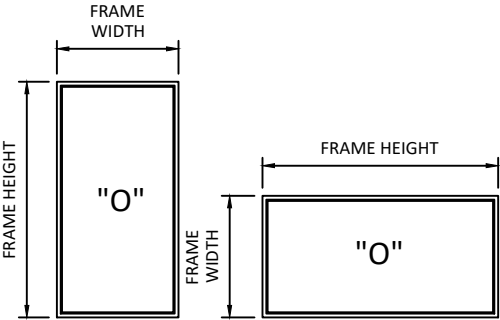
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AG	HFN
SCALE:	NTS
DWG. #:	AWD209
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ELEVATION
SINGLE UNIT



NOTE:
WINDOW WIDTH AND HEIGHT ARE
INTERCHANGEABLE FOR ALL SIZES
SHOWN HEREIN NOT TO EXCEED
MAXIMUM QUALIFIED SQUARE
FOOT AREA.



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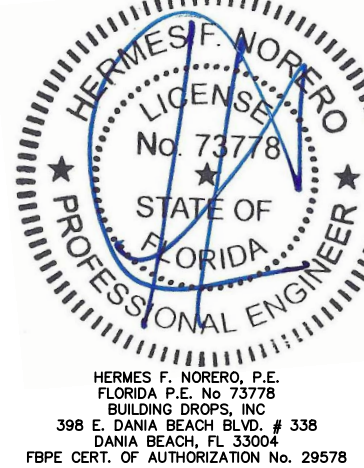
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WINDOW (HVHZ)/(IMPACT)
ELEVATIONS AND QUALIFIED
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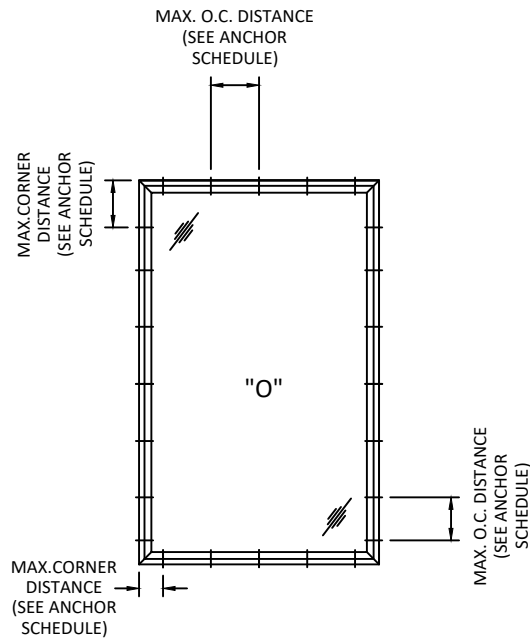
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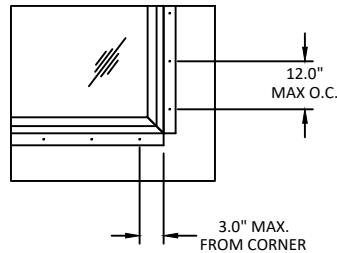


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FRAME ANCHORING
RETANGULAR/SQUARE SINGLE
UNIT



ALUMINUM FIN ANCHORING
SINGLE UNIT

NOTE:
NAILING FLANGE INSTALLATIONS ARE LIMITED TO
INDIVIDUAL UNITS OR ASSEMBLIES EQUAL TO OR
LESS THAN DP50 AND EQUAL TO OR LESS THAN 30
SQUARE FEET.

NOTE :
FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING,
QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 6



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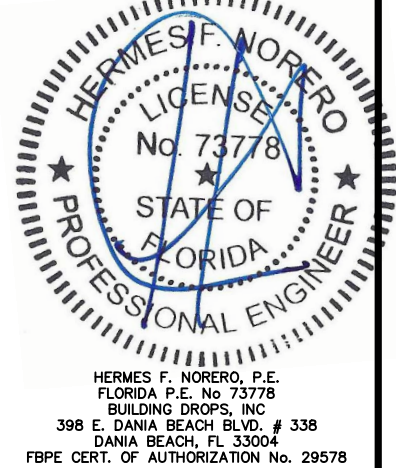
ANCHOR LAYOUTS

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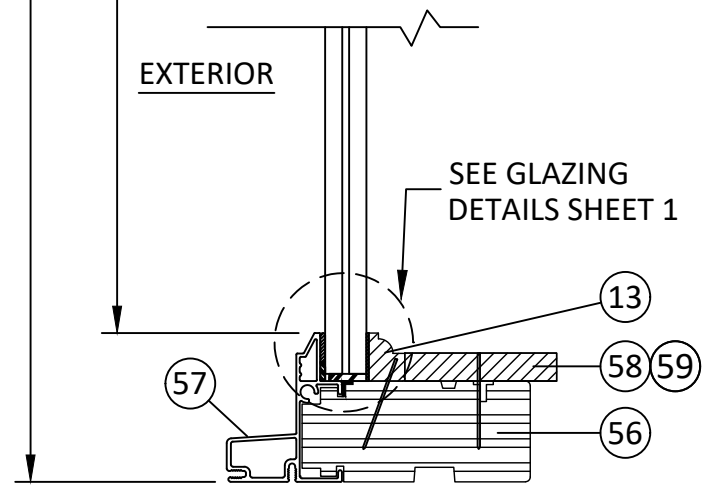
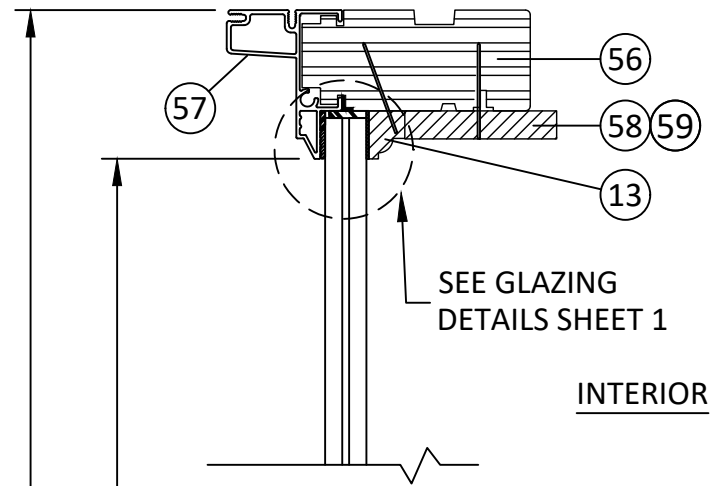
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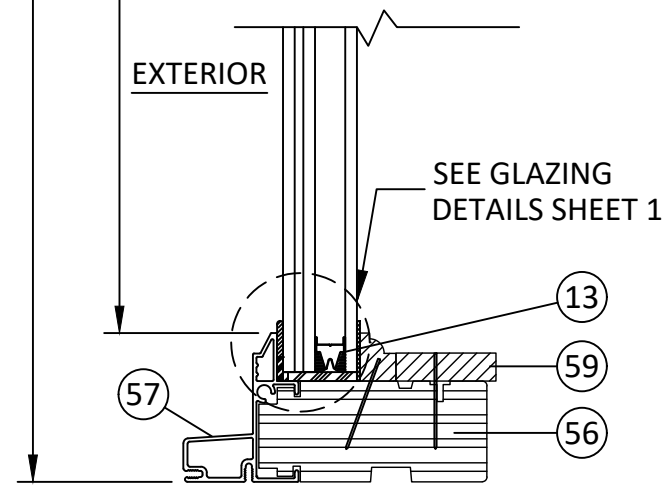
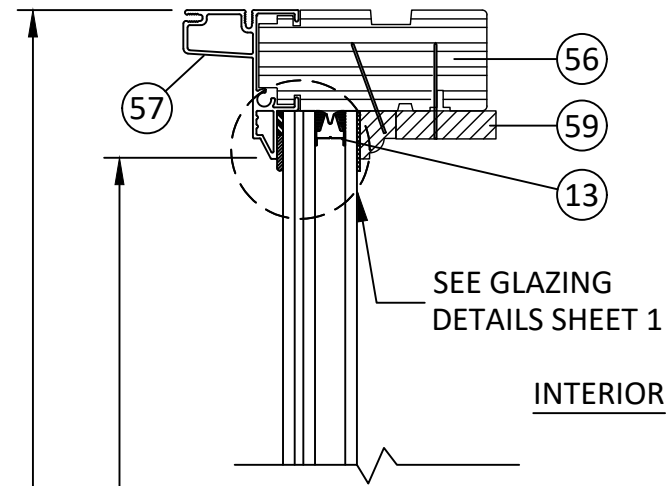
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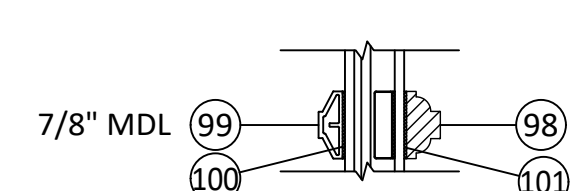
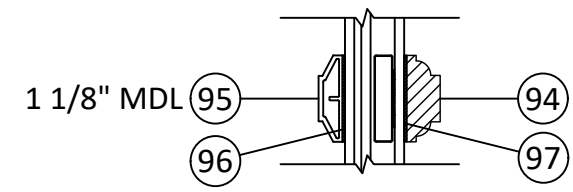
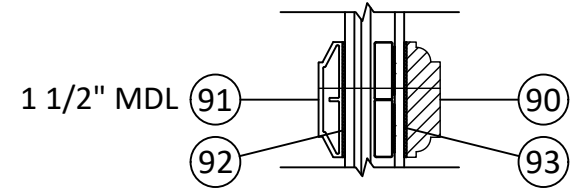
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A
4 **VERTICAL SECTION**
MONOLITHIC GLASS



B
4 **VERTICAL SECTION**
INSULATED GLASS



**OPTIONAL MUNTIN BAR
ATTACHEMENT TO GLASS**



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TITLE: E-SERIES SPECIALTY (AUXILIARY) FIXED WINDOW (HVHZ)(IMPACT)

VERTICAL SECTIONS

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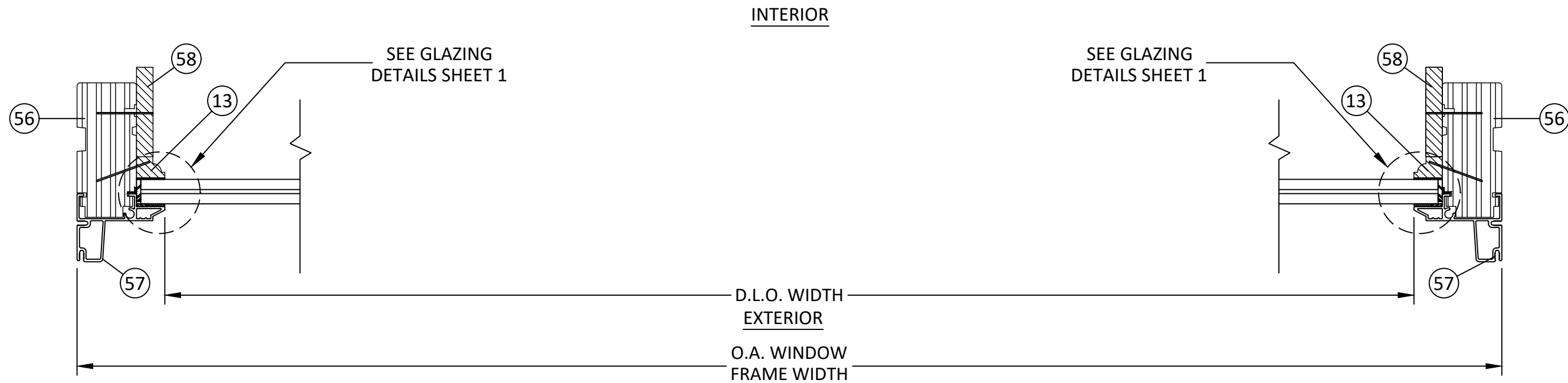


HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

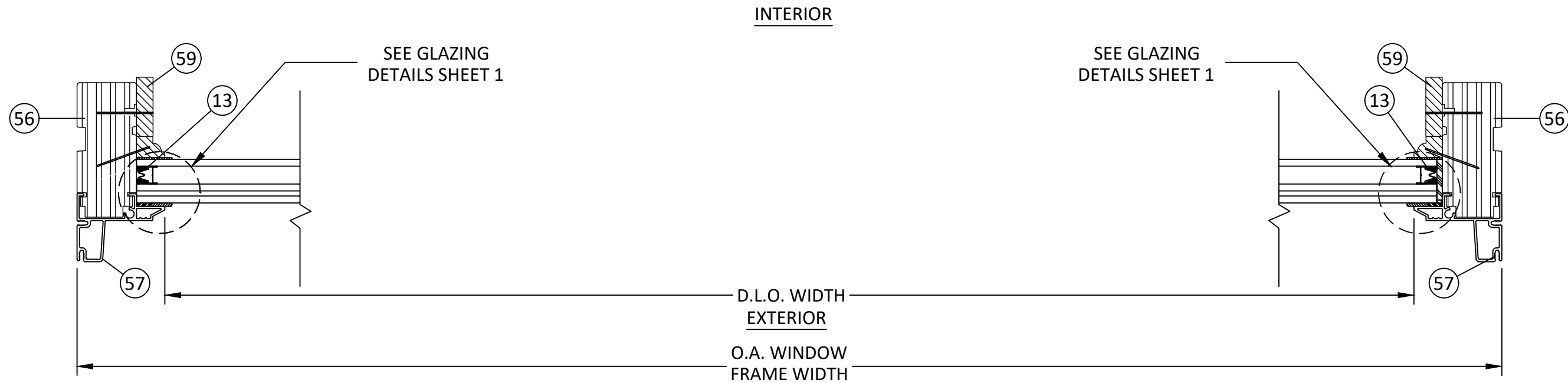
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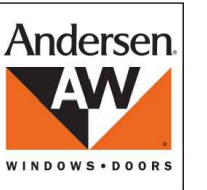
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A
5 **HORIZONTAL SECTION**
MONOLITHIC GLASS



B
5 **HORIZONTAL SECTION**
INSULATED GLASS



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HORIZONTAL SECTIONS

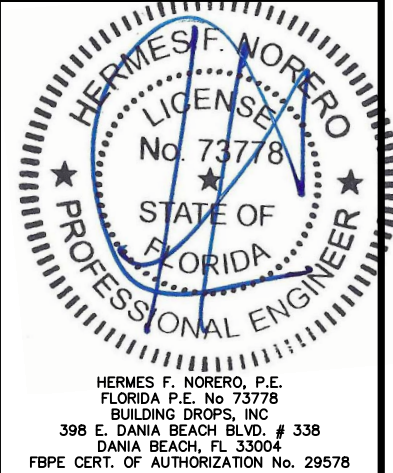
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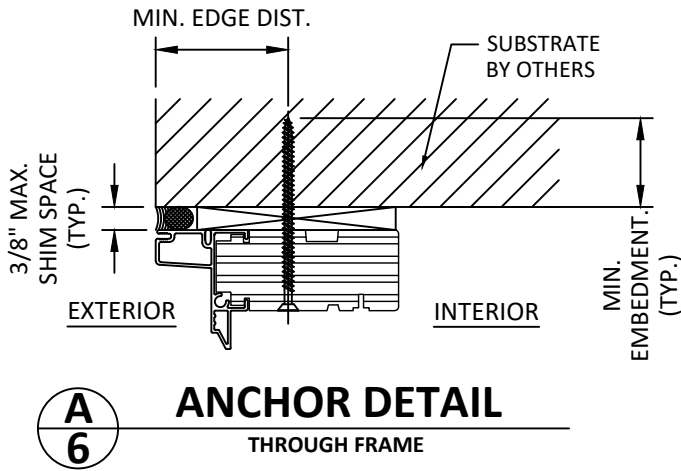
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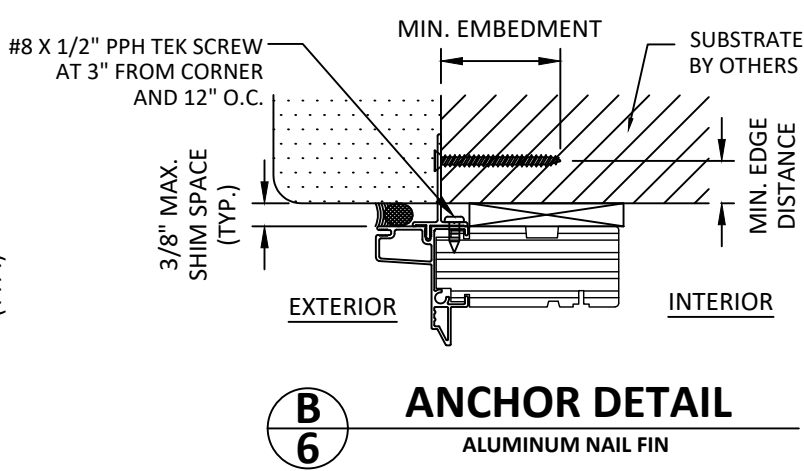


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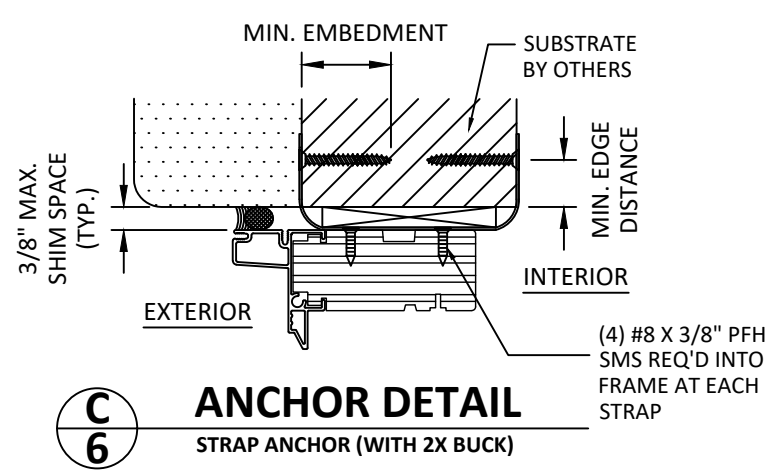
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SILL & JAMB HAVE A SIMILAR DETAIL.



SILL & JAMB HAVE A SIMILAR DETAIL.



SILL & JAMB HAVE A SIMILAR DETAIL.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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.

ANCHOR SCHEDULE								
INSTALLATION TYPE	ANCHOR QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	MAX. HEAD/SILL O.C. DISTANCE (IN.)	MAX. JAMB O.C. DISTANCE (IN.)	MAX. CORNER DISTANCE (IN.)
THRU STRAP	2	WOOD : MIN. SG=0.55	#8 WOOD SCREW	1.5	0.75	16.0	18.0	6.0
	2	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION	0.5			
THRU FRAME	1	WOOD : MIN. SG=0.55	#10 WOOD SCREW	0.75	0.75	16.0	18.0	6.0
	1	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION	0.5			
	1	CONCRETE : f' _c =3000PSI	1/4" ITW TAPCON	1	2.5			
	1	CMU : f' _c =1500PSI, PER ASTM C94	1/4" ITW TAPCON	1	2.5			
THRU ALUMINUM NAIL FIN	1	WOOD : MIN. SG=0.55	#8 WOOD SCREW	0.75	0.75	12.0	12.0	3.0
	1	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION	0.5			



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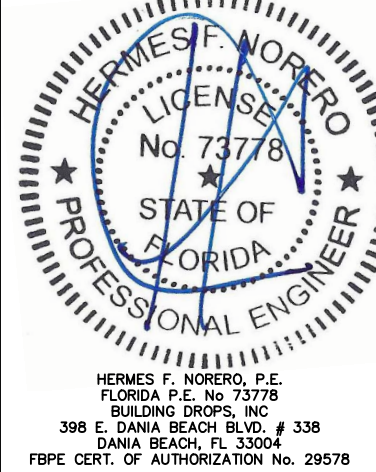
ANCHOR DETAILS

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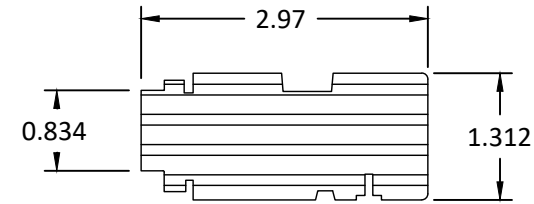


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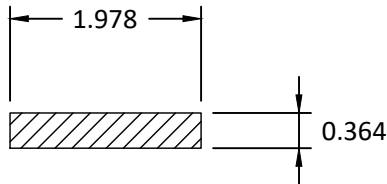
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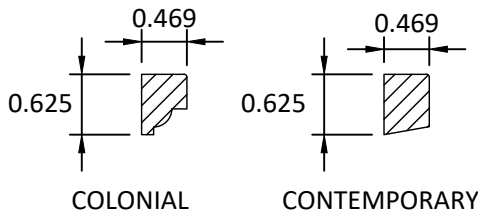
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	3/8" MAX. SHIM SPACE	WOOD
C	1X BUCK (SG>=0.55)	WOOD
D	2X BUCK (SG>=0.55)	WOOD
E	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
F	MASONRY - 3,000 PSI MIN CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH WOOD SCREW	STEEL
H	#10 X 3" PFH WOOD SCREW	STEEL
4	18GA X 1-1/4" BRAD TRIM NAIL	STEEL
13	GLASS STOP (PINE)	WOOD
27	POLYETHYLENE FOAM TAPE	-
29	STRAP ANCHOR	STEEL
37	#8 X 5/8" PFH SMS	STEEL
38	#8 X 2" PFH SMS	STEEL
46	GLAZING TAPE .094" x 2.65" BUTYL TAPE	-
56	AUXILIARY FRAME	LVL
57	STD. FRAME CLADDING	6063-T5
58	SECONDARY STOP (PINE)	WOOD
59	SECONDARY STOP (PINE)	WOOD
70	ALUMINUM NAIL FIN	6063-T5
71	#8 X 1-1/2" PFH SMS	STEEL
72	#8 X 1/2" PPH TEK SCREW	STEEL
90	1-1/2" INTERIOR COLONIAL MDL BAR	WOOD
91	1-1/2" EXTERIOR MDL BAR	6063-T5
92	1-1/2" MDL ADHESIVE TAPE (EXTERIOR FACE)	POLYETHYLENE
93	1-1/2" MDL ADHESIVE TAPE (INTERIOR FACE)	POLYETHYLENE
94	1-1/8" INTERIOR COLONIAL MDL BAR	WOOD
95	1-1/8" EXTERIOR MDL BAR	6063-T5
96	1-1/8" MDL ADHESIVE TAPE (EXTERIOR FACE)	POLYETHYLENE
97	1-1/8" MDL ADHESIVE TAPE (INTERIOR FACE)	POLYETHYLENE
98	7/8" INTERIOR COLONIAL MDL BAR	WOOD
99	7/8" EXTERIOR MDL BAR	6063-T5
100	7/8" MDL ADHESIVE TAPE (EXTERIOR FACE)	POLYETHYLENE
101	7/8" MDL ADHESIVE TAPE (INTERIOR FACE)	POLYETHYLENE



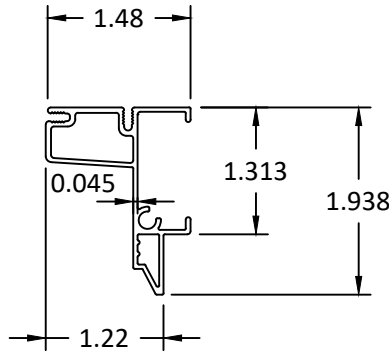
56) AUXILLARY FRAME



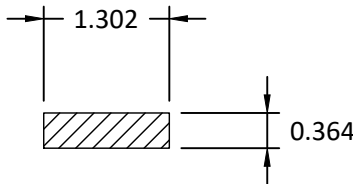
58) SECONDARY STOP
1-13/16" NOMINAL GLASS



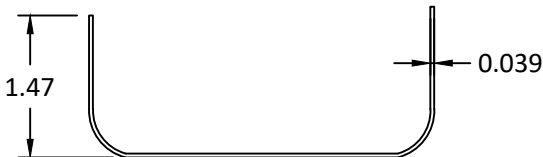
13) GLASS STOP



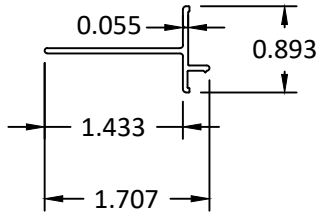
57) STD. FRAME CLADDING



59) SECONDARY STOP
1-1/4" NOMINAL GLASS



29) STRAP ANCHOR



70) NAIL FIN
ALUMINUM



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

TITLE: E-SERIES SPECIALTY (AUXILIARY) FIXED WINDOW (HVHZ)(IMPACT)

COMPONENTS AND BILL OF MATERIALS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

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REMARKS	BY	DATE
FORMAT UPDATE	LL	7.15.19

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, 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 #:	FL24230
DATE:	10.12.17
DWG. BY:	CHK. BY:
AG	HFN
SCALE:	NTS
DWG. #:	AWD209
SHEET:	7
OF 7	