

JELD WEN®

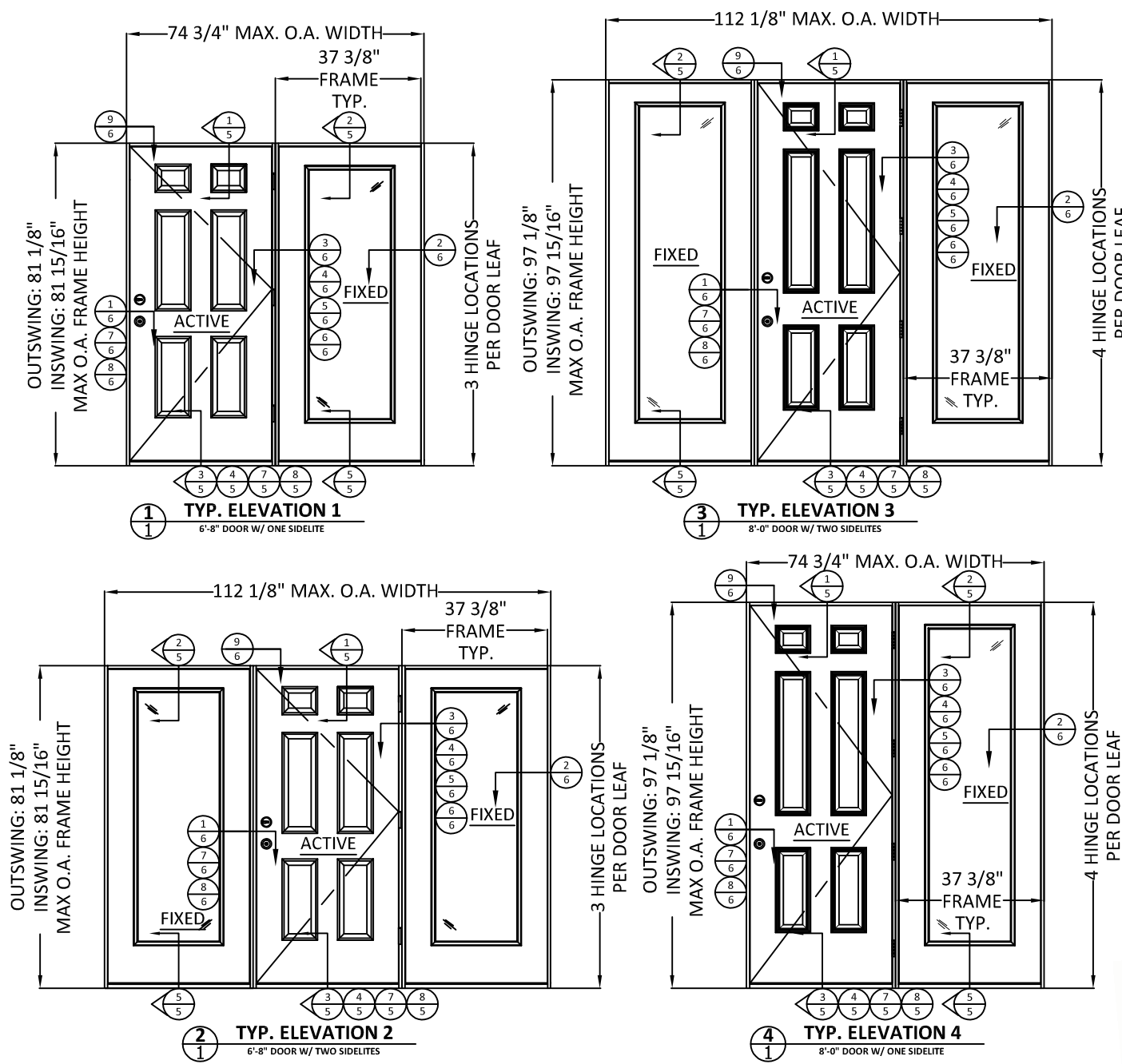
WINDOWS & DOORS

DESIGN PRO / SMOOTH PRO / STUDIO NON-IMPACT

FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

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 202-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X 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.
- 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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.
- FIXED FULL LITE APPROVAL COVERS USE OF FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECO, AND EXTERNAL AND INTERNAL WROUGHT IRON. RADIUS (SHAPED) LITES ARE QUALIFIED FOR 6'-8" DOORS AT +50/-55 DP ONLY.
- 6-PANEL DOOR SHOWN FOR ILLUSTRATION PURPOSES. ADDITIONAL PANEL CONFIGURATIONS AND FLUSH DOORS ARE QUALIFIED.
- NOTE: OPERATING AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.75 PSF. FIXED SIDELITE MEETS WATER INFILTRATION AT WTP OF 7.5 PSF. REMAINING SILLS NOT RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0



NOTES:
 1. ALL DOORS SHOWN IN CONFIGURATIONS ON THIS SHEET MAY BE LEFT HAND OR RIGHT HAND OPERATING DOORS.
 2. SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.

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7	A	WOOD SUBSTRATES
8	A	CONCRETE SUBSTRATES
9	A	COMPONENTS & BILL OF MATERIALS

CONFIGURATION	MAX. OVERALL NOMINAL SIZE		DESIGN PRESSURE (PSF)								MISSILE IMPACT RATING
			FINGER-JOINTED PINE				ALL OTHER MATERIALS				
			INSWING		OUTSWING		INSWING		OUTSWING		
WIDTH	HEIGHT	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.		
O,X,O	9'-0"	6'-8"	50*	55	50*	55	50*	50	50*	50	NON-IMPACT
O,X,O RADIUS	9'-0"	6'-8"	50*	55	50*	55	50*	50	50*	50	NON-IMPACT
O,X,O	9'-0"	8'-0"	45*	45	45*	45	45*	45	45*	45	NON-IMPACT
X,O	6'-0"	6'-8"	50*	55	50*	55	50*	50	50*	50	NON-IMPACT
X,O RADIUS	6'-0"	6'-8"	50*	55	50*	55	50*	50	50*	50	NON-IMPACT
X,O	6'-0"	8'-0"	45*	45	45*	45	45*	45	45*	45	NON-IMPACT

*SEE GENERAL NOTE 8, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.

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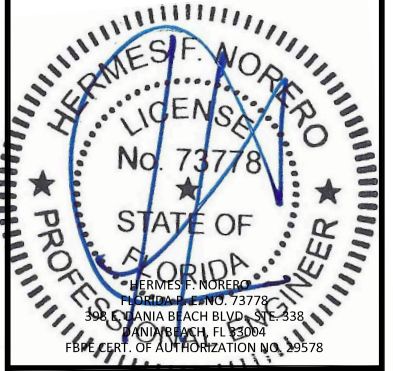
BUILDING DROPS, INC.
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TITLE: DESIGN PRO/SMOOTH PRO/STUDIO NON-IMPACT
 TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES

 3737 LAKEPORT BLVD.,
 KLAMATH FALLS, OR 97601
 PH: (541)882-3451
 FAX: (541)850-2609

REMARKS	BY	DATE
Add ADA, Multi-Pt & Radius Lite	GL	6/19/14
Reference DWG. #A010865A	AM	09/11/19

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.



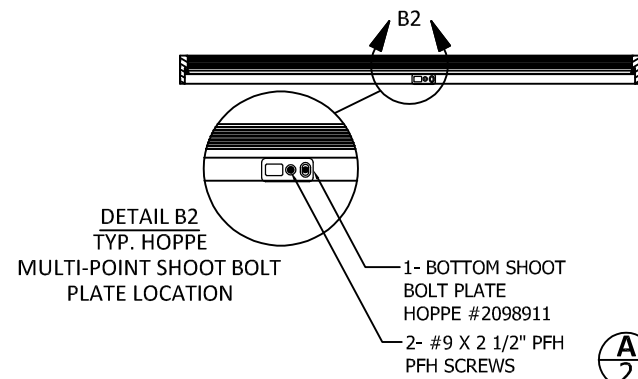
DATE: 02.05.14
 DWG. BY: GL/TJM | CHK. BY: SS/MSS
 SCALE: NTS
 DWG. #: D015711
 SHEET: OF 9

INSTALLATION NOTES:

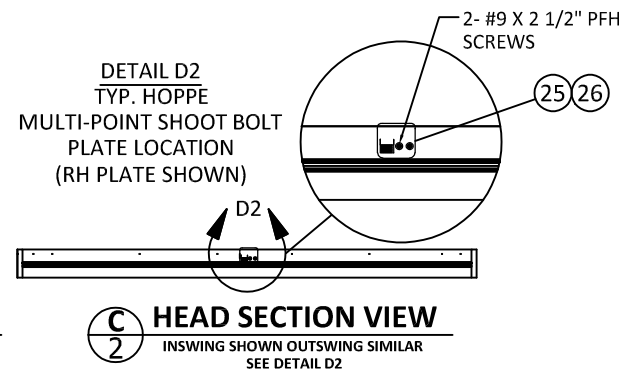
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 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.
- FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- SEE SHEETS 7 AND 8 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
- OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

ANCHOR TABLE

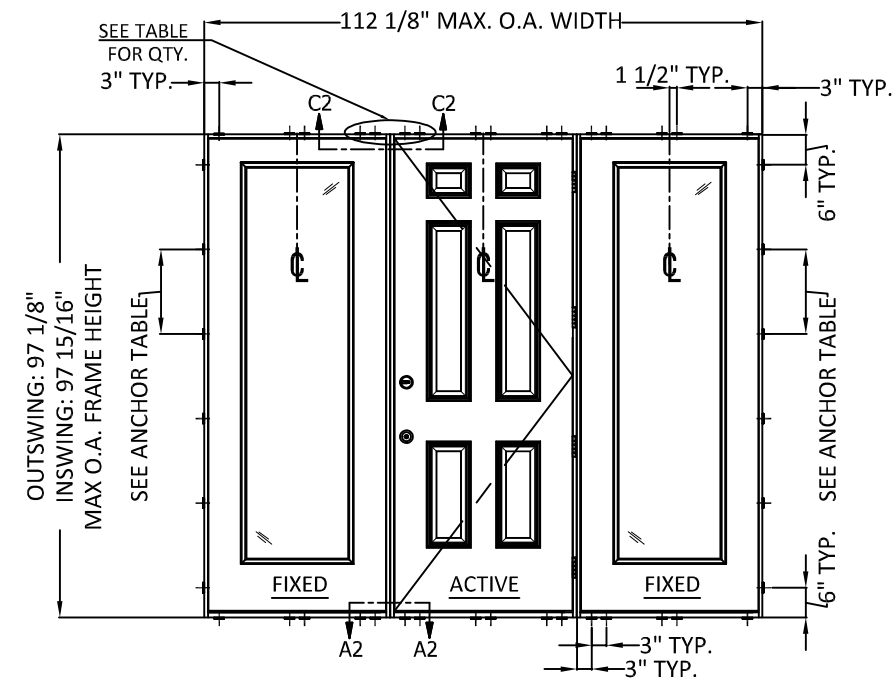
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	6'8" DOORS		8'0" DOORS	
					MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS	MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS
WOOD SCREW	#10	2X WOOD BUCK OR FRAMING	1-1/2"	3/4"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	2-1/2"	17-1/2"	4	17-1/4"	4
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	1"	11-5/8"	8	14-3/8"	6



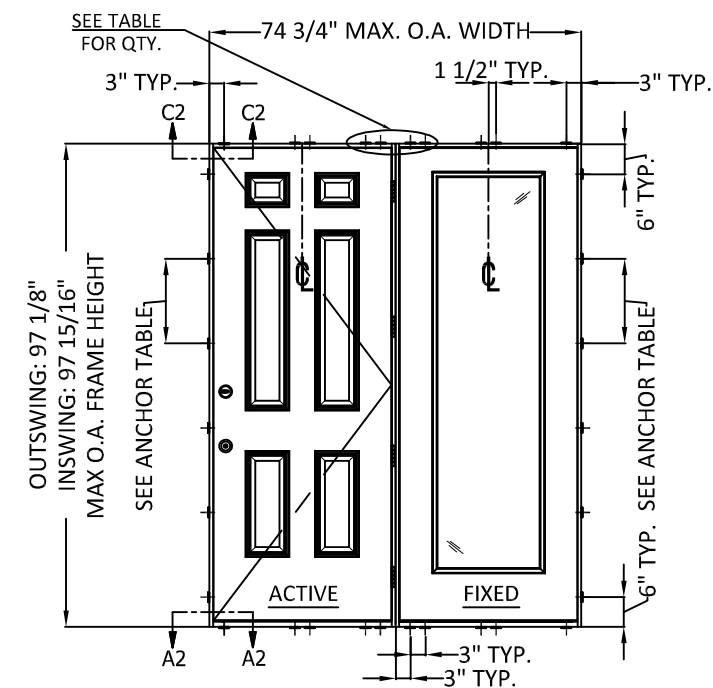
A SILL SECTION VIEW
INSWING SHOWN OUTSWING SIMILAR
SEE DETAIL B2



C HEAD SECTION VIEW
INSWING SHOWN OUTSWING SIMILAR
SEE DETAIL D2



1 TYPICAL ANCHOR LAYOUT
TYP. W/ TWO SIDELITES
6'-8" OR 8'-0" DOOR HEIGHT



2 TYP. ANCHOR LAYOUT
TYP. W/ ONE SIDELITE
6'-8" OR 8'-0" DOOR HEIGHT

- NOTES:**
- ALL DOORS SHOWN IN CONFIGURATIONS ON THIS SHEET MAY BE LEFT HAND OR RIGHT HAND OPERATING DOORS.
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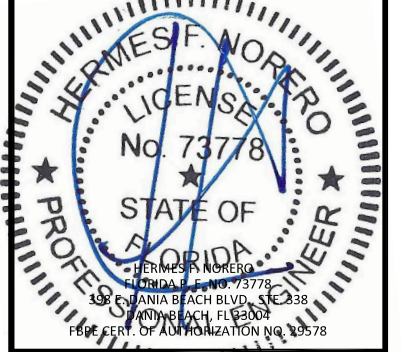
ANCHOR LAYOUTS AND NOTES

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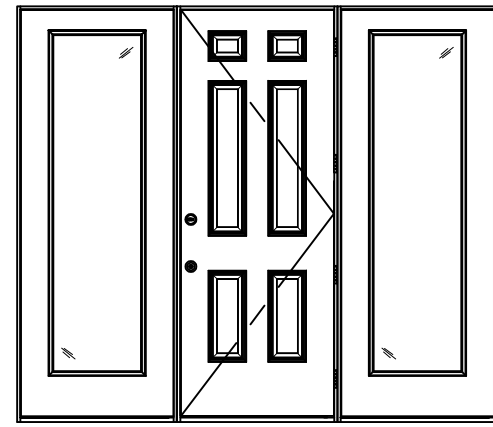
JELD-WEN
WINDOWS & DOORS

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Add ADA, Multi-Pt & Radius Lite	GL	6/19/14
Reference DWG. #A010865A	AM	09/11/19

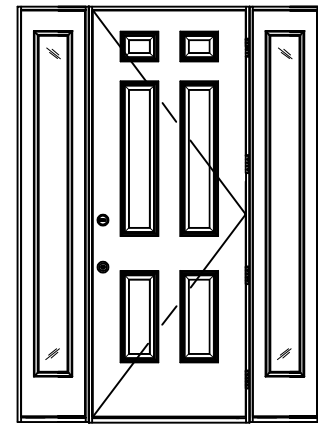
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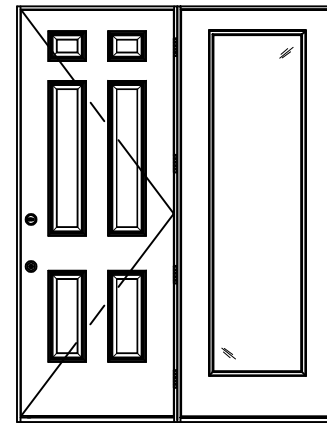
DATE:	02.05.14	
DWG. BY:	GL/TJM	CHK. BY: SS/MSS
SCALE:	NTS	
DWG. #:	D015711	
SHEET:	OF 9	



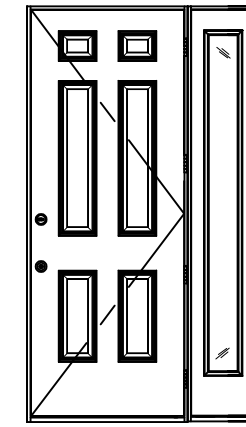
1
3 **O,X,O ELEVATION**
WITH 3'0" SIDELITES



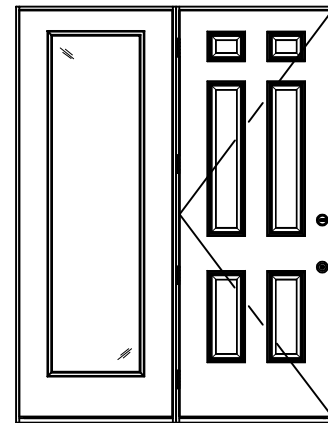
2
3 **O,X,O ELEVATION**
WITH 1'3" SIDELITES



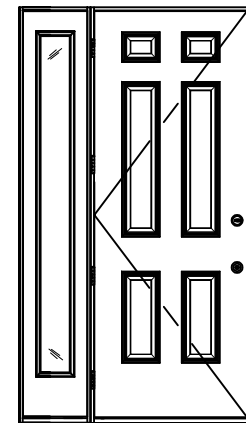
3
3 **X,O ELEVATION**
WITH 3'0" SIDELITE



4
3 **X,O ELEVATION**
WITH 1'3" SIDELITE



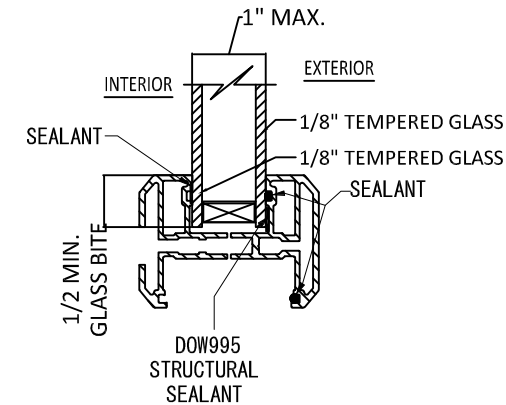
5
3 **X,O ELEVATION**
WITH 3'0" SIDELITE



6
3 **X,O ELEVATION**
WITH 1'3" SIDELITE

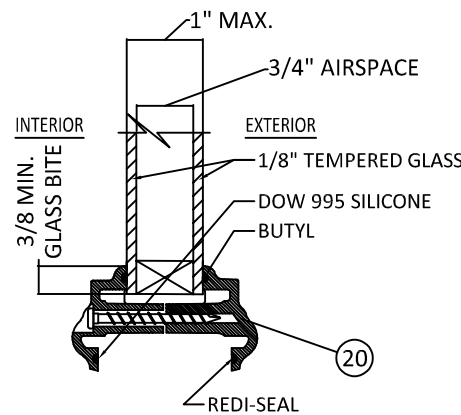
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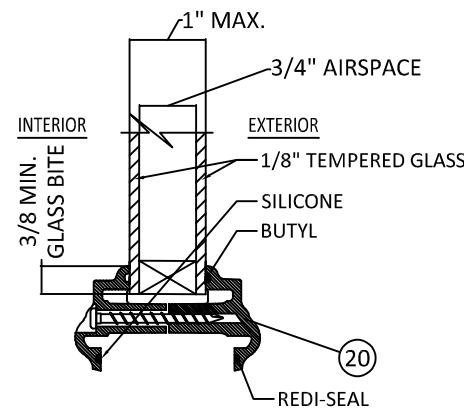


13
3 **GLAZING DETAIL OPTION**

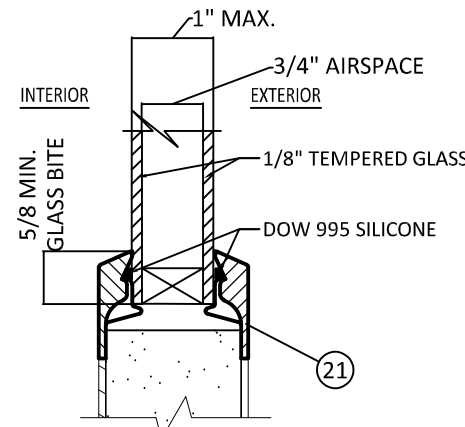
- 20 1/2" MAX D.L.O. WIDTH
- 78 1/2" MAX D.L.O. HEIGHT
- 3-0 X 6-8 - DP 50/55
- 6-0 X 6-8 - DP 45
- 3-0 X 8-0 - DP 45
- 6-0 X 8-0 - DP 45



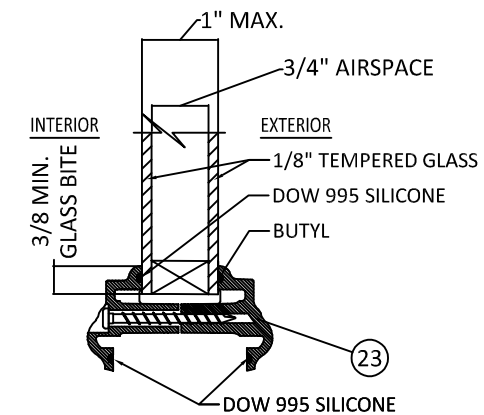
7
3 **6'-8" GLAZING DETAIL**
20 1/2" MAX. D.L.O. WIDTH
62 1/2" MAX. D.L.O. HEIGHT



8
3 **8'-0" GLAZING DETAIL**
20 1/2" MAX. D.L.O. WIDTH
78 1/2" MAX. D.L.O. HEIGHT



9
3 **FLUSH GLAZE DETAIL**
23 7/8" MAX. D.L.O. WIDTH
78 7/8" MAX. D.L.O. HEIGHT



12
3 **GLAZING DETAIL**
FOR OVAL, SUNBURST, AND ROUND TOPS
IN 6'8" UNITS AT DP +50/-55 PSF ONLY

NOTE:

FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE, EXTERNAL AND INTERNAL WROUGHT IRON AND RADIUS (SHAPED) LITES ARE APPROVED IN ALL GLAZING DETAILS SHOWN ABOVE.

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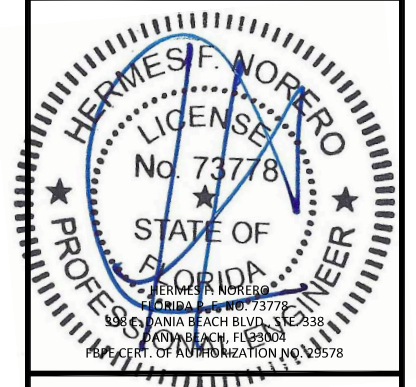
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NON-IMPACT
QUALIFIED CONFIGURATIONS
& GLAZING DETAIL

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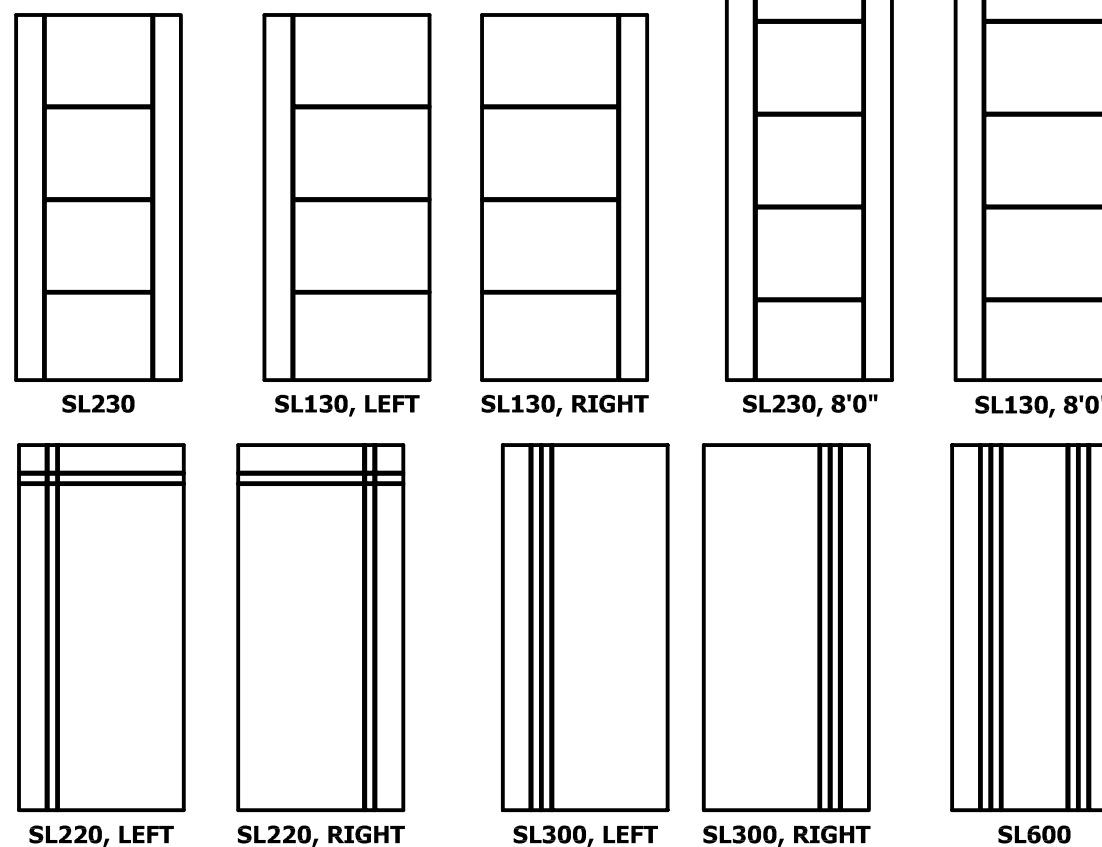
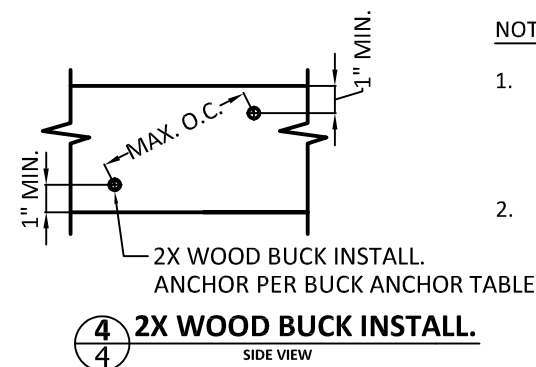
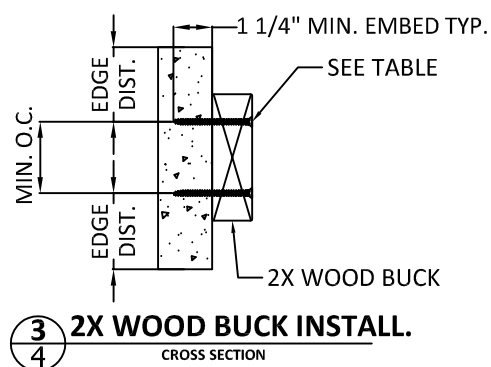
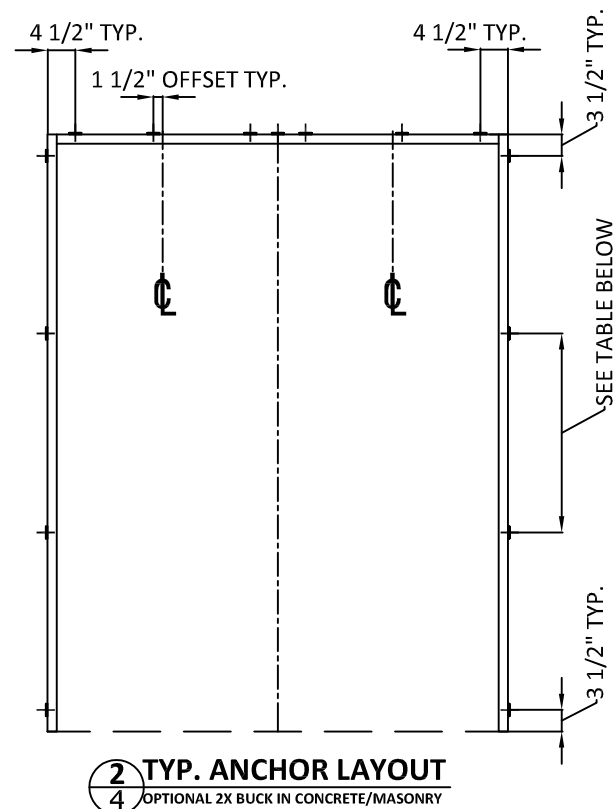
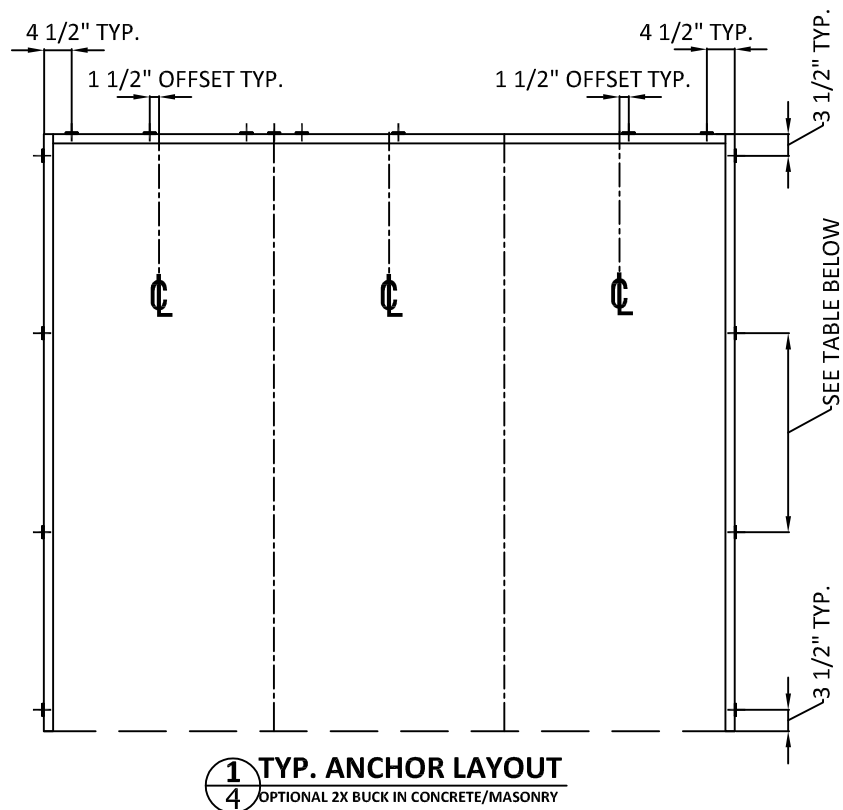
JELD-WEN
WINDOWS & DOORS

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Add ADA, Multi-Pt & Radius Lite	GL	6/19/14
Reference DWG. #A010865A	AM	09/11/19

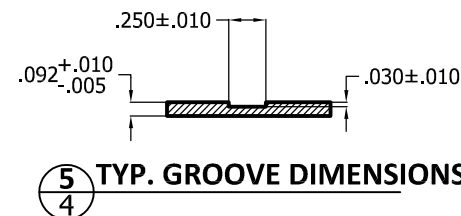
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SHEET:	OF 9	



QUALIFIED SKIN PATTERNS



2X BUCK ANCHOR TABLE							
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DIST. TO SUBSTRATE	MIN. CENTER TO CENTER DISTANCE	6'8" DOORS	8'0" DOORS
						MAX. O.C. SPACING AT JAMBS	MAX. O.C. SPACING AT JAMBS
ITW TAPCON	1/4"	CONCRETE/CMU	1-1/4"	2-1/2"	4"	25"	30-1/4"
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	4"	25"	30-1/4"

NOTES:

- 2X BUCK IS NOT FOR INSTALLATION AT SILL. THRESHOLD SHALL BE FASTENED IN ACCORDANCE WITH ANCHOR LOCATIONS SHOWN ON SHEET 2.
- ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/4.

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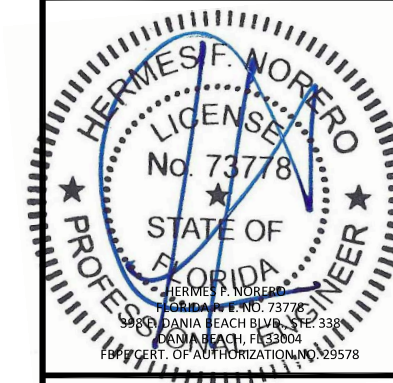
OPTIONAL 2X BUCK
ANCHORING DETAILS

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Reference DWG. #A010865A	AM	09/11/19
Add Qualified Skin Patterns	LS	12/21/16

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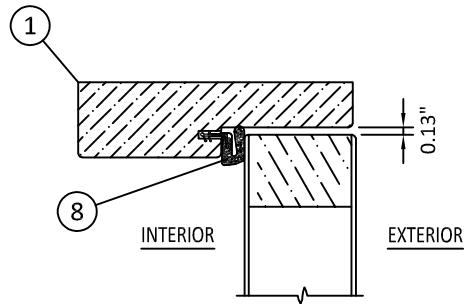
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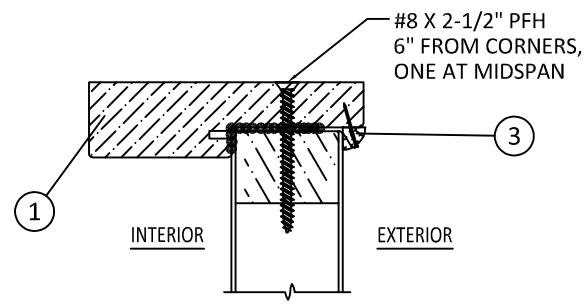
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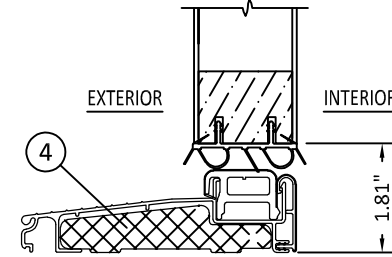
SHEET: OF 9



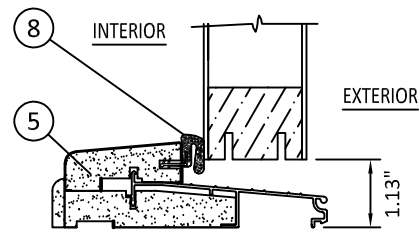
1
5 **OPERABLE HEAD**
OUTSWING SHOWN - INSWING SIMILAR



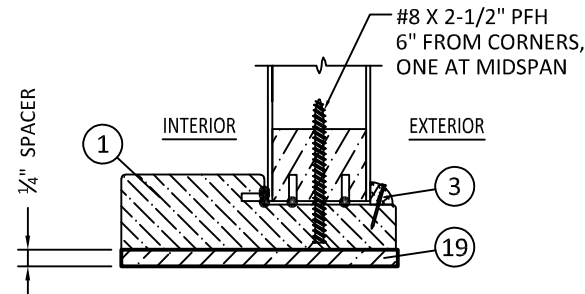
2
5 **SIDELITE HEAD**
OUTSWING SHOWN - INSWING SIMILAR



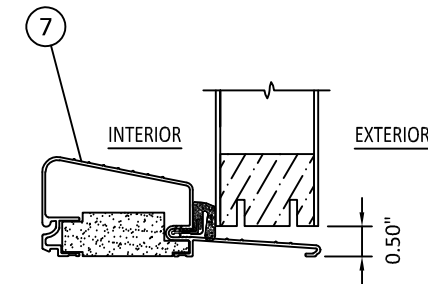
3
5 **OPERABLE SILL**
INSWING



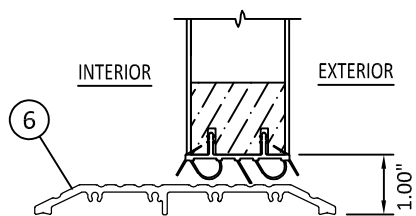
4
5 **OPERABLE SILL**
OUTSWING



5
5 **SIDELITE SILL**
OUTSWING SHOWN - INSWING SIMILAR



7
5 **OPERABLE SILL**
OUTSWING
OPTIONAL AFCO H-497



8
5 **OPERABLE ADA SILL**
INSWING/OUTSWING

PREPARED BY:



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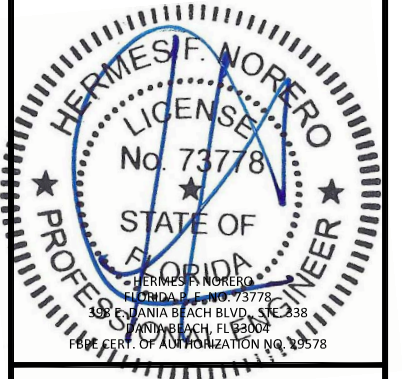
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JELD-WEN
WINDOWS & DOORS

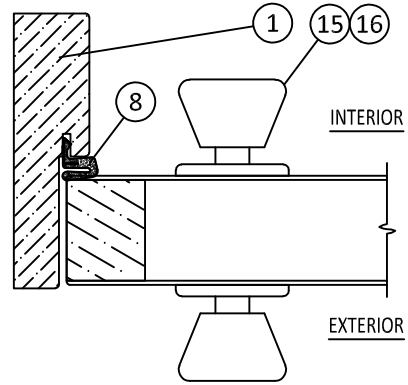
REMARKS	BY	DATE
Add ADA, Multi-Pt & Radius Lite	GL	6/19/14
Reference DWG. #A010865A	AM	09/11/19

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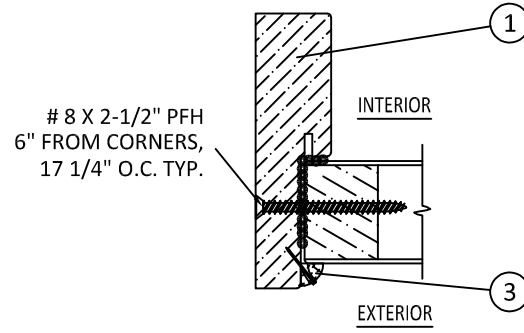


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CHK. BY:	SS/MSS
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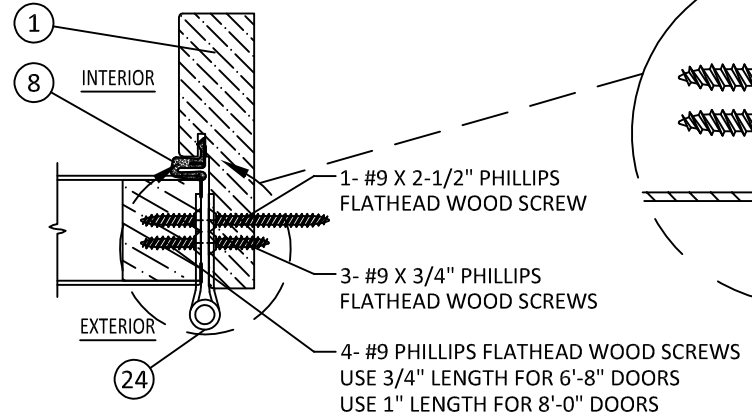
NOTE:
HINGE AND LOCK ARE INTERCHANGEABLE
AT THE MULLION.



1
6 **LOCK JAMB**
OUTSWING SHOWN - INSWING SIMILAR

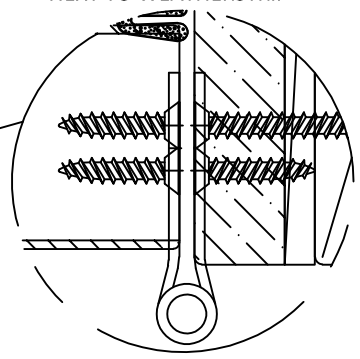


2
6 **FIXED JAMB**
OUTSWING SHOWN - INSWING SIMILAR

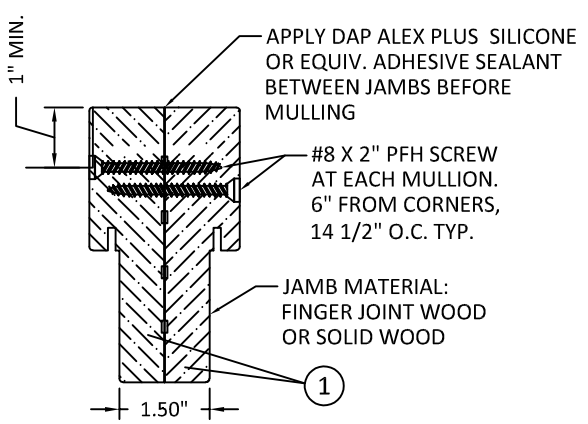


3
6 **HINGE JAMB**
OUTSWING SHOWN - INSWING SIMILAR

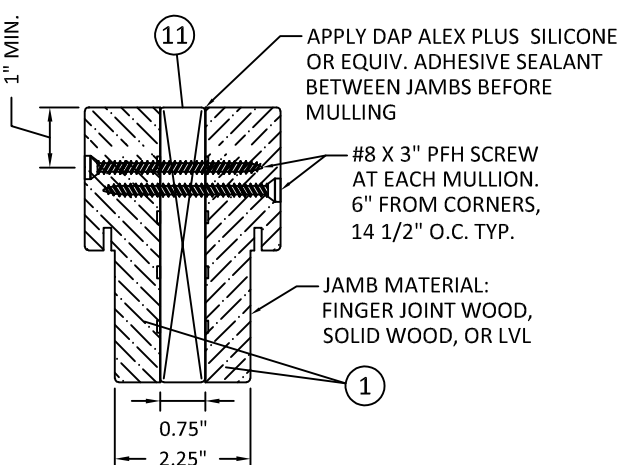
HINGE DETAIL AT JAMB:
PLACE #9 X 2-1/2" PFH SCREW
NEXT TO WEATHERSTRIP



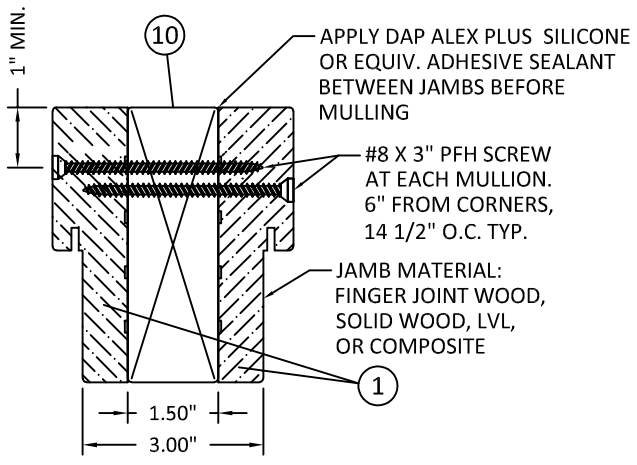
HINGE SCHEDULE	
DOOR HEIGHT	QUANTITY
6'-8"	3
8'-0"	4



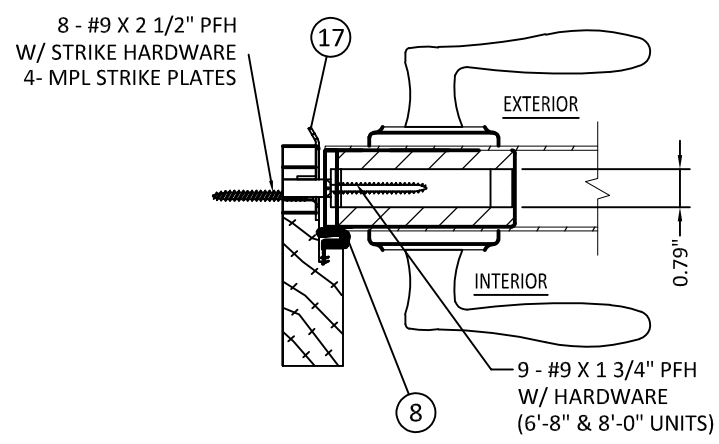
4
6 **BACK-TO-BACK JAMB**
NO MULLION REINFORCEMENT



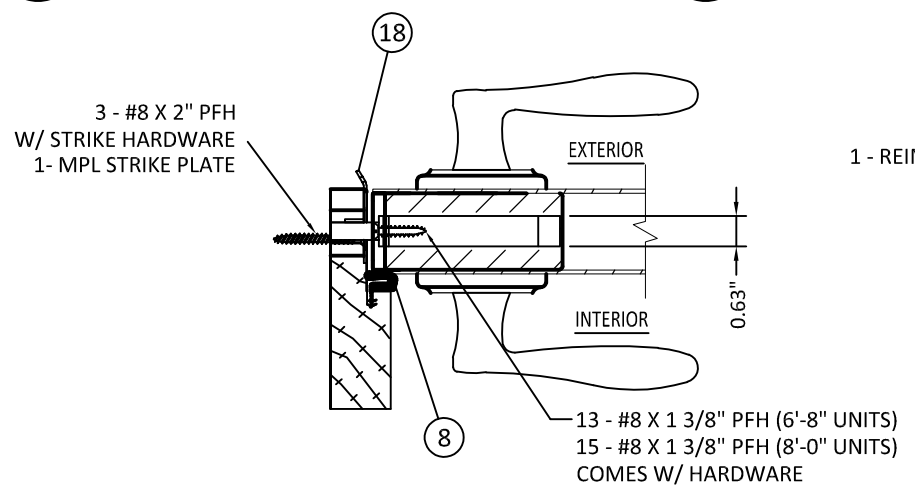
5
6 **BACK-TO-BACK JAMB**
1X MULLION REINFORCEMENT



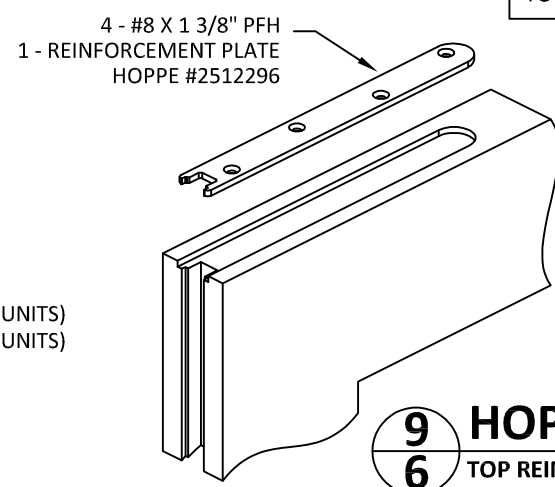
6
6 **BACK-TO-BACK JAMB**
2X MULLION REINFORCEMENT



7
6 **ROCKWELL MULTI-POINT LOCK**
OUTSWING SHOWN - INSWING SIMILAR



8
6 **HOPPE MULTI-POINT LOCK**
OUTSWING SHOWN - INSWING SIMILAR



9
6 **HOPPE MULTI-POINT LOCK**
TOP REINFORCEMENT PLATE - ACTIVE PANEL ONLY

NOTE:
ALL SOLID WOOD USED IN MULLION ASSEMBLIES ABOVE
TO BE PONDEROSA PINE (MIN. S.G. = 0.45) OR GREATER.

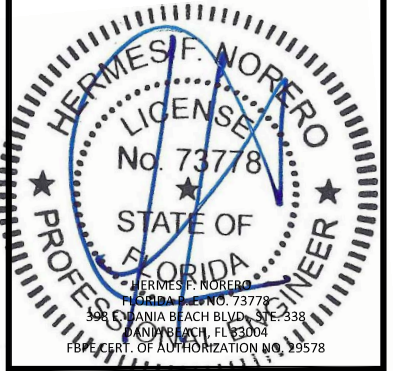
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WEB: www.buildingdrops.com

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NON-IMPACT
HORIZONTAL ASSEMBLIES
3737 LAKEPORT BLVD.,
KLAMATH FALLS, OR 97601
PH: (541)882-3451
FAX: (541)850-2609
JELDOWEN
WINDOWS & DOORS

REMARKS	BY	DATE
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Radius Lite		
Reference DWG. #A010865A	AM	09/11/19

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DESIGN PRO/SMOOTH PRO/STUDIO
 NON-IMPACT
 WOOD INSTALLATION

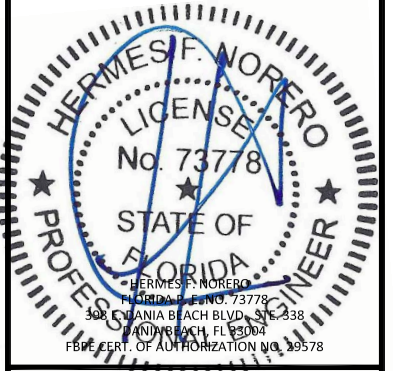
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JELDOWEN
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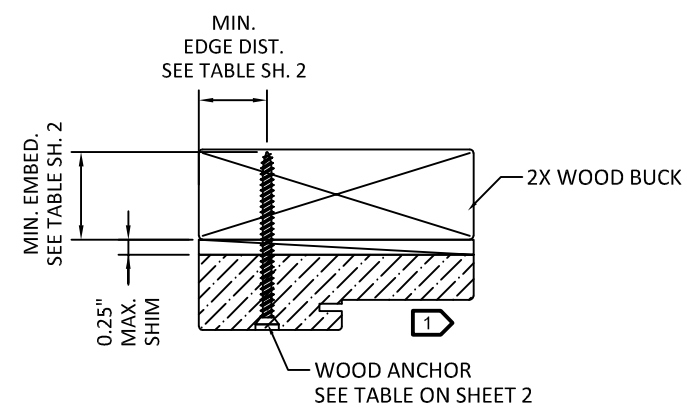
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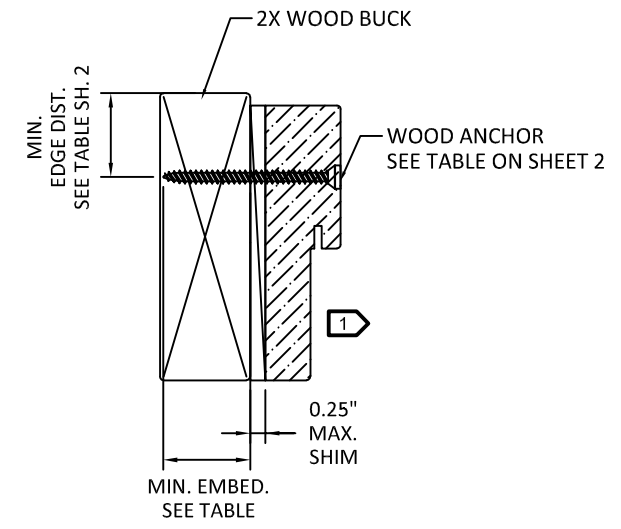
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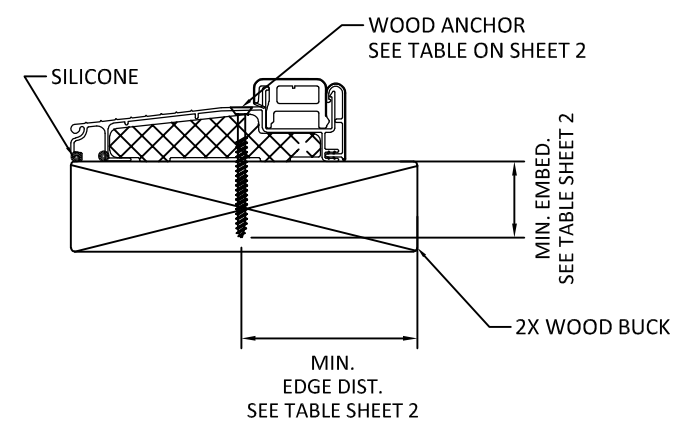
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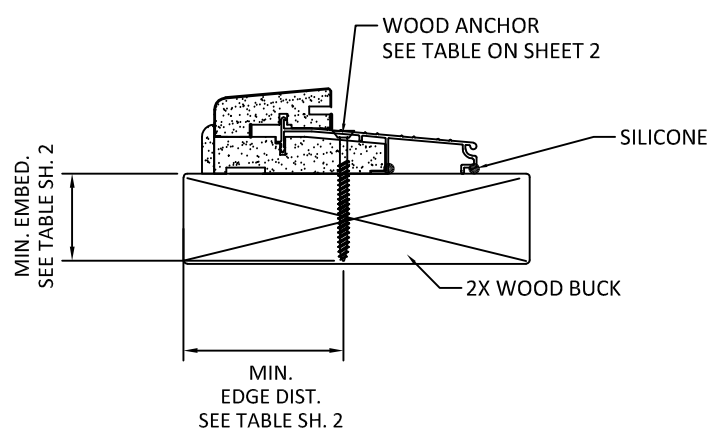
1
7 **HEAD (TYPICAL)**
 OUTSWING SHOWN - INSWING SIMILAR



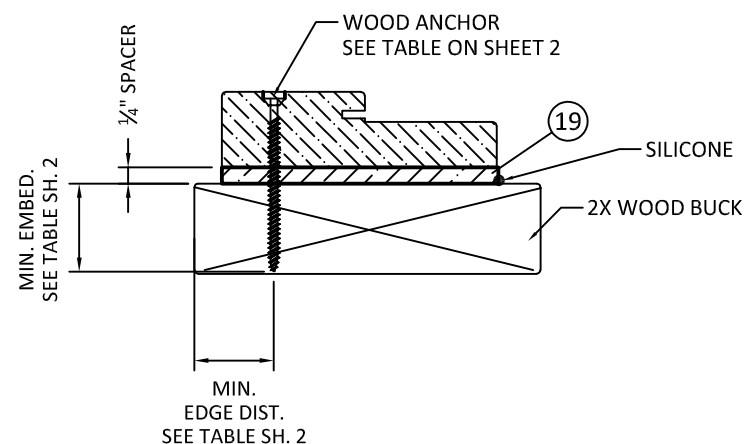
2
7 **JAMB (TYPICAL)**
 OUTSWING SHOWN - INSWING SIMILAR



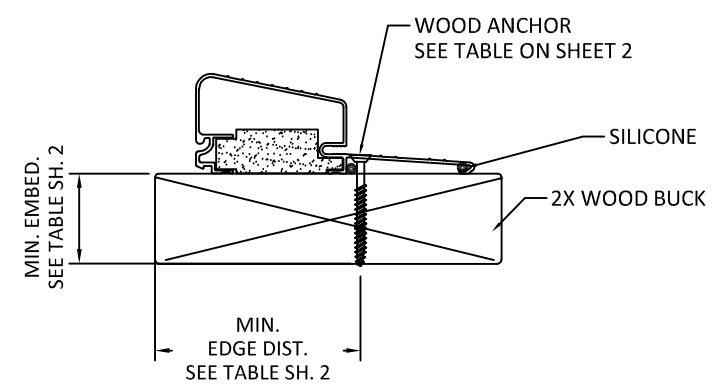
3
7 **OPERABLE SILL**
 INSWING



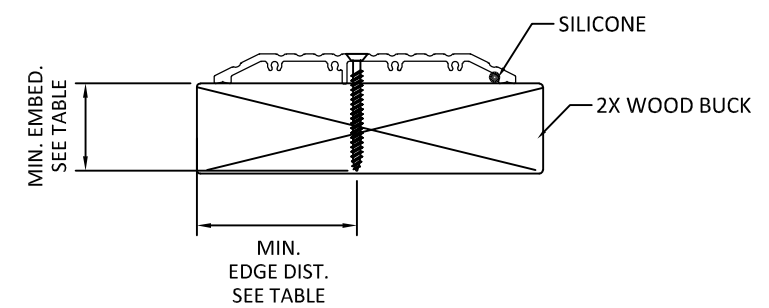
4
7 **OPERABLE SILL**
 OUTSWING



5
7 **SIDELITE SILL**
 OUTSWING SHOWN - INSWING SIMILAR



7
7 **OPERABLE SILL**
 HIGH BUMP OUTSWING
 AFCO H-497



8
7 **OPERABLE ADA SILL**
 INSWING/OUTSWING - NO ANCHOR REQUIRED

1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

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NON-IMPACT

CONCRETE INSTALLATION

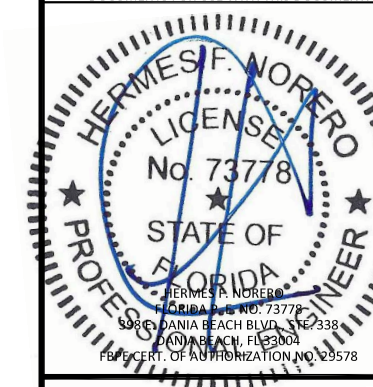
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JELD-WEN
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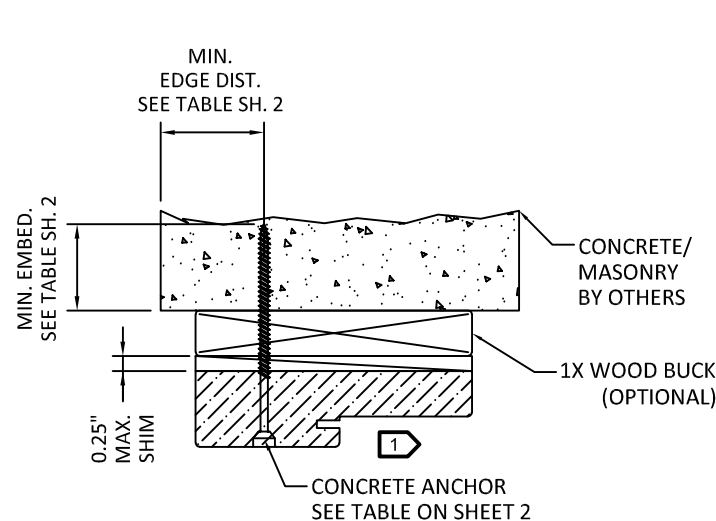
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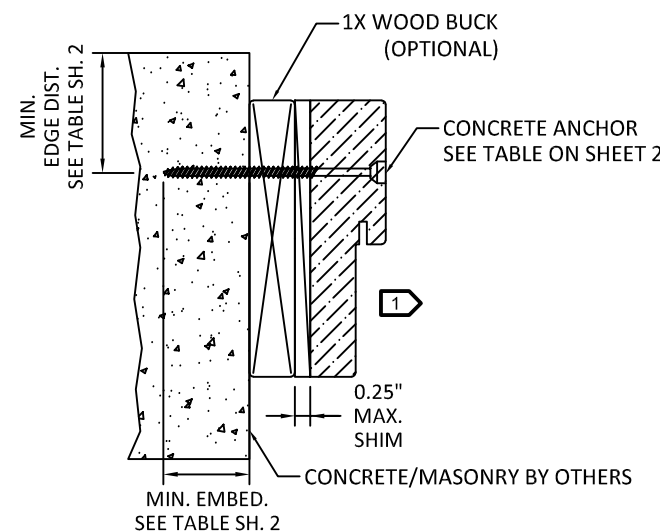
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DWG. #: D015711

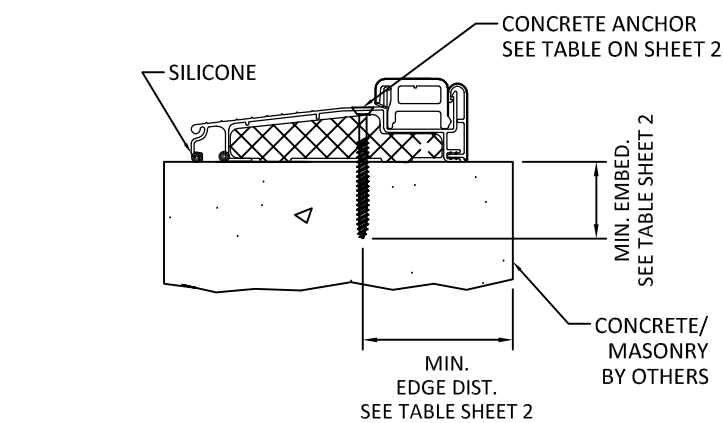
SHEET: OF 9



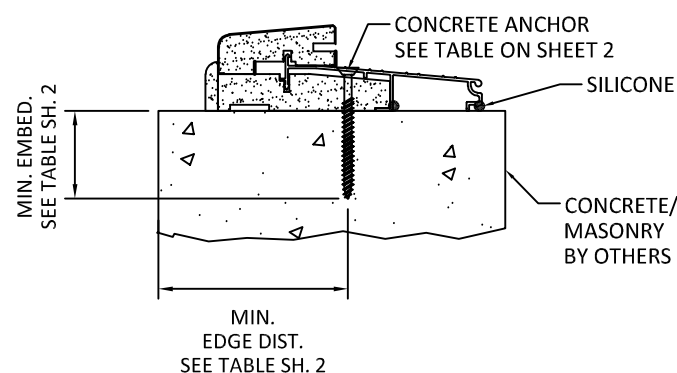
1
8 HEAD (TYPICAL)
OUTSWING SHOWN - INSWING SIMILAR



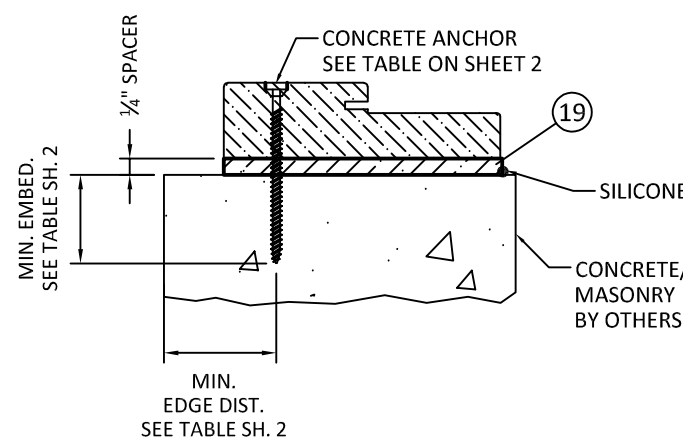
2
8 JAMB (TYPICAL)
OUTSWING SHOWN - INSWING SIMILAR



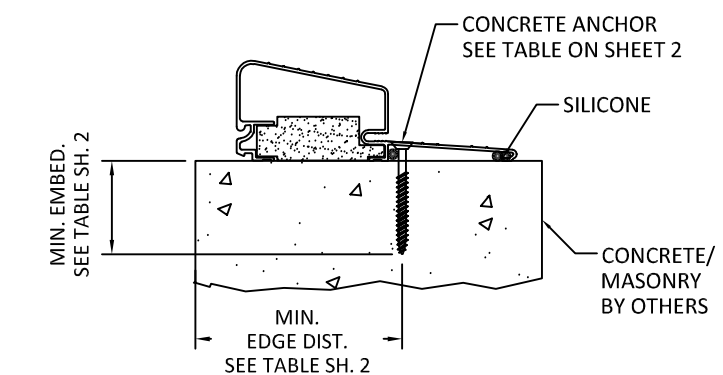
3
8 OPERABLE SILL
INSWING



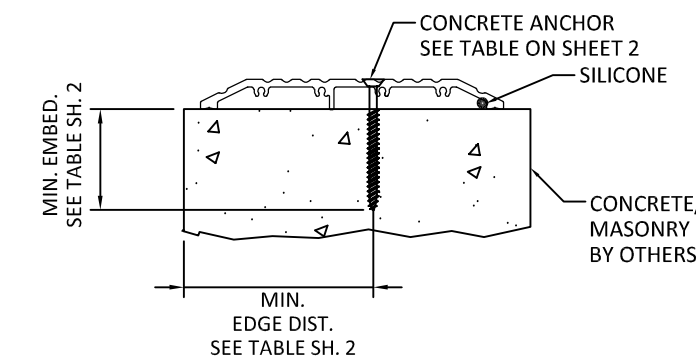
4
8 OPERABLE SILL
OUTSWING



5
8 SIDELITE SILL
OUTSWING SHOWN - INSWING SIMILAR



7
8 OPERABLE SILL
HIGH BUMP OUTSWING
AFCO H-497

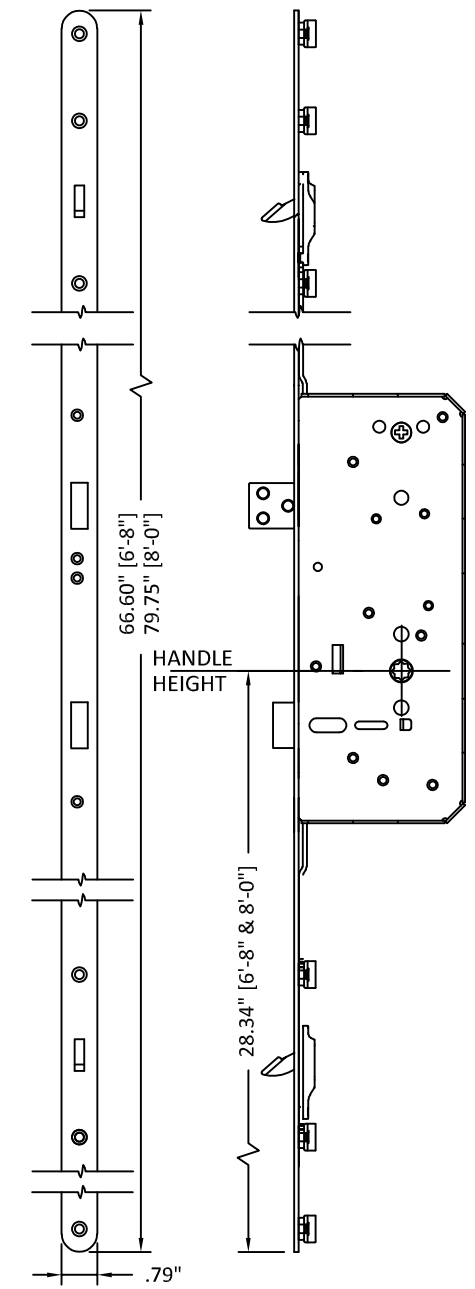


8
8 OPERABLE SILL
OUTSWING/INSWING - NO ANCHOR REQUIRED

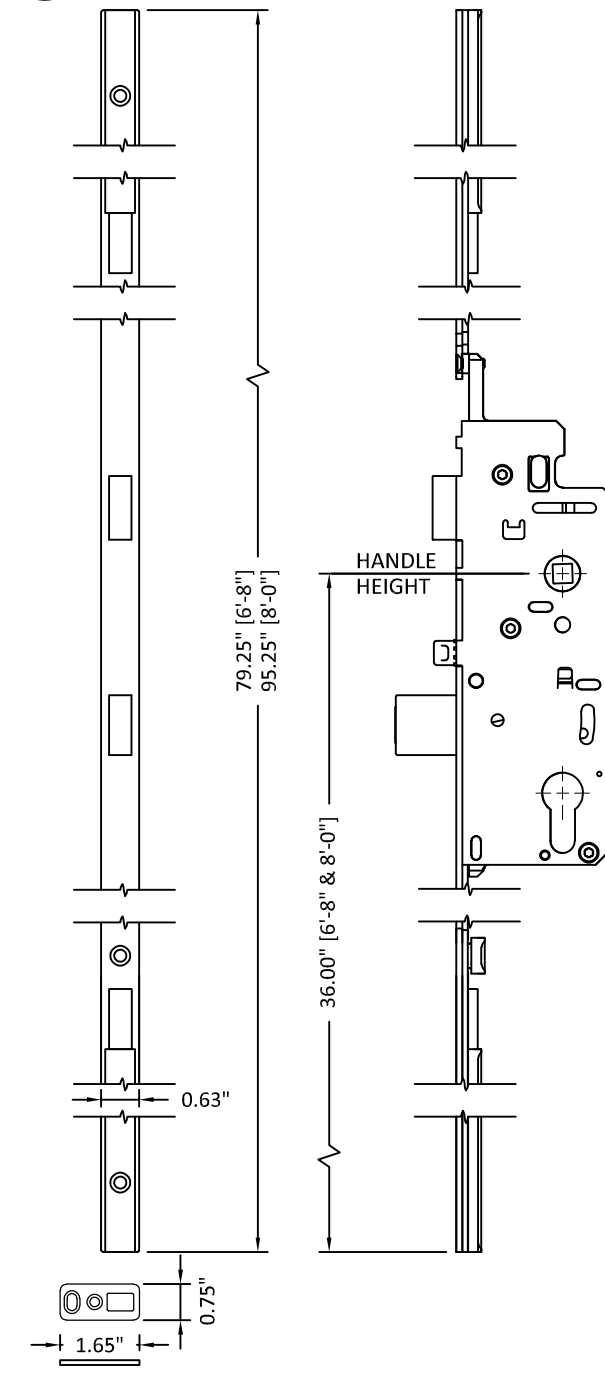
1 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

BILL OF MATERIALS		
ITEM#	DESCRIPTION	MATERIAL
1	FRAME HEAD/JAMBS	FINGER-JOINTED PINE
		SOLID PINE
		LAMINATED VENEER LUMBER
		COMPOSITE
2	(NOT USED)	-
3	SIDELITE STOP	WOOD OR PVC
4	THRESHOLD	-
5	THRESHOLD	-
6	ADA THRESHOLD	-
7	AFCO H-497 THRESHOLD	-
8	WEATHERSTRIP	URETHANE FOAM & POLYETHYLENE
9	NON-COMPRESSION SHIM (0.25" MAX. THK.)	COMPOSITE
10	2X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
11	1X WOOD (S.G. MUST BE 0.55 OR GREATER)	WOOD
12	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL
13	CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 2 & 4)	STEEL
14	1" O.A. IG TEMPERED NON-IMPACT GLASS	-
15	LOCK SERIES 400	STEEL
16	DEADBOLT SERIES 780	STEEL
17	ROCKWELL MULTI-POINT TONGUE LATCH # 73228768 6-8 UNIT ROCKWELL MULTI-POINT TONGUE LATCH #73228780 8-0 UNIT	STEEL
18	HOPPE MULTI-POINT HARDWARE HLS9000	STEEL
19	PRESSURE TREATED SILL SPACER USED FOR FIXED PANEL	WOOD
20	ODL LIPLITE KIT (NI)	HP POLYPRO./PC ABS
21	FLUSH GLAZING LEG	FIBERGLASS
22	(NOT USED)	-
23	ODL LIPLITE KIT (RADIUS LITES)	HP POLYPRO./PC ABS
24	BUTT HINGE (SEE SCHEDULE SHEET 6)	STEEL
25	HOPPE MULTI-POINT HEAD SHOOT BOLT PLATE LH #8784091	STEEL
26	HOPPE MULTI-POINT HEAD SHOOT BOLT PLATE RH #8783923	STEEL
27	PU DOOR CORE	

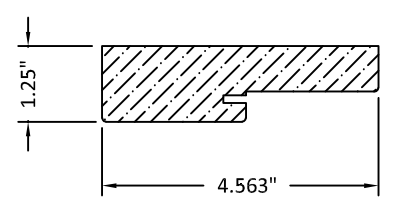
17 ROCKWELL MULTI-POINT LOCK



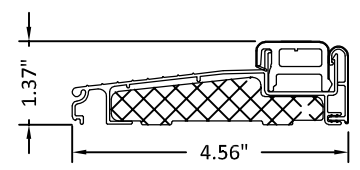
18 HOPPE MULTI-POINT LOCK W/ SILL SHOOT BOLT PLATE #2098911



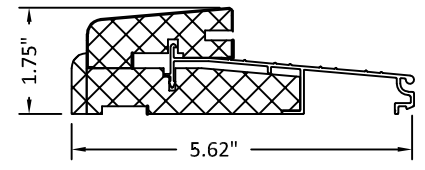
1 FRAME HEAD/JAMBS VARIES, SEE BOM ABOVE



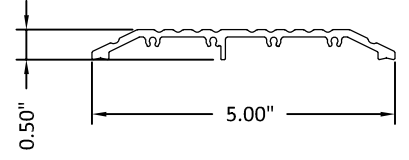
4 THRESHOLD



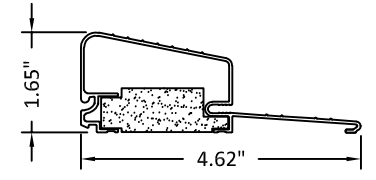
5 THRESHOLD



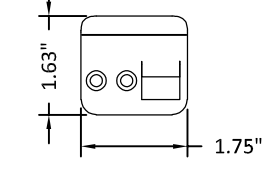
6 ADA THRESHOLD



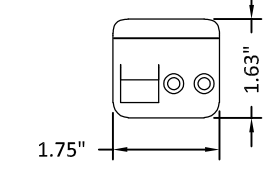
7 AFCO H-497 THRESHOLD



25 HEAD SHOOT BOLT PLATE (LH)



26 HEAD SHOOT BOLT PLATE (RH)



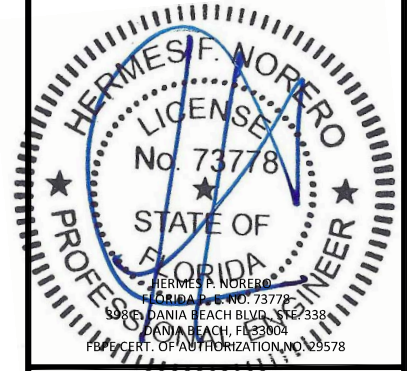
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