

# DESIGN PRO / SMOOTH PRO **IMPACT APPROVED**

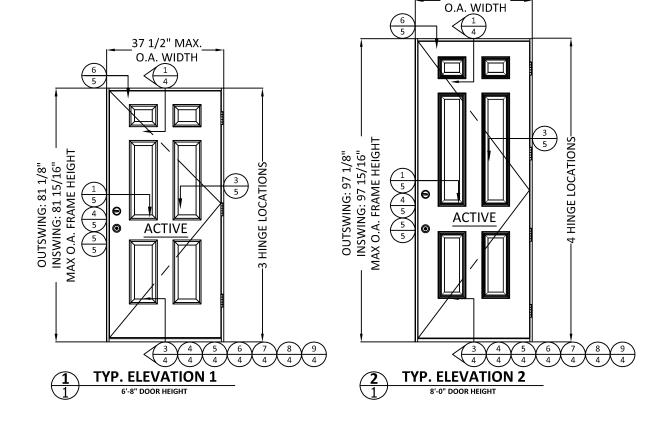
FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

#### **GENERAL NOTES:**

- 1. 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
  - TAS 203-94
- 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 NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT
- 6-PANEL DOOR SHOWN FOR ILLUSTRATION PURPOSES. ADDITIONAL PANEL CONFIGURATIONS AND FLUSH DOORS ARE QUALIFIED.
- NOTE: AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.75 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

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8	А	COMPONENTS & BILL OF MATERIALS				



37 1/2" MAX.

DOORS SHOWN ABOVE MAY BE LEFT OR RIGHT HAND OPERATING DOORS.

	MAX. OVERALL NOMINAL SIZE		DESIGN PRESSURE (PSF)				MISSILE	
CONFIGURATION	WIDTH	HEIGHT	INSWING		OUTSWING		IMPACT RATING	
	WIDIN		POS.	NEG.	POS.	NEG.	10111110	
Х	3'-0"	6'-8"	65*	65	65*	65	LMI & SMI	
X	3'-0"	8'-0"	50*	50	50*	50	LMI & SMI	

\*SEE GENERAL NOTE 6, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.



#### BUILDING DROPS, INC.

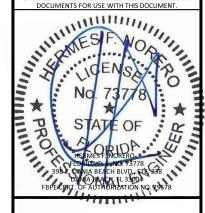
398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com

TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES

DESIGN PRO/SMOOTH PRO IMPACT APPROVED

BY DATE REMARKS GL 06/23/1 Add ADA sill. Multi-Point Lock Reference DWG. #A010871A

AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPEC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSE ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC



DATE: 02.05.14 CHK. BY: SS/MSS

NTS SCALE:

DWG. #: D015726

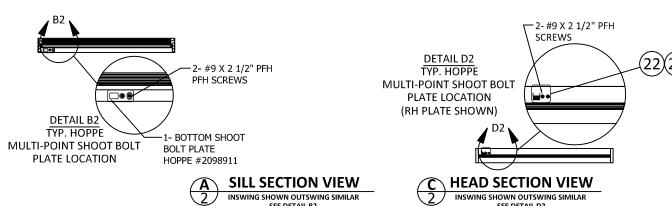
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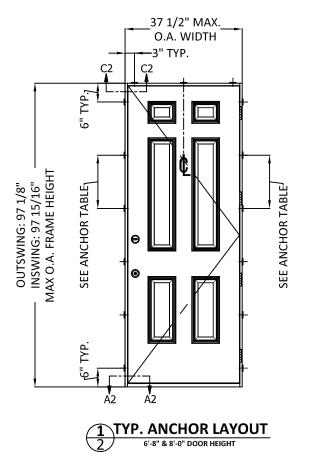
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#### **INSTALLATION NOTES:**

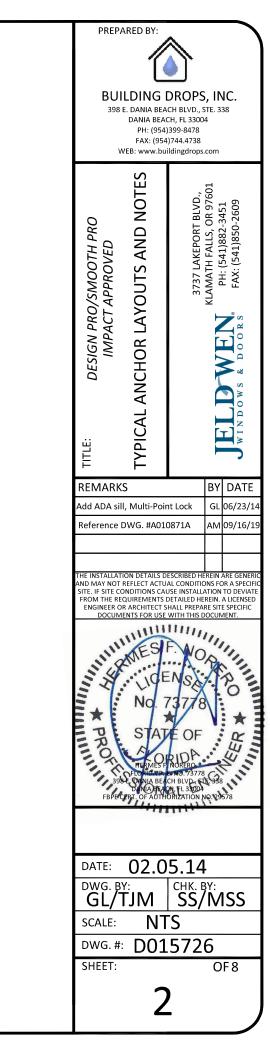
- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 2. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 4. 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.
- 5. 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.
- 6. FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- 7. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55.
  - B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - C. 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
  - D. HOLLOW BLOCK CMU UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- 8. SEE SHEETS 6 AND 7 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
- 9. OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

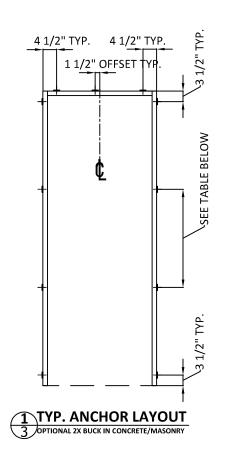
ANCHOR TABLE							
				MIN. EDGE DISTANCE	6'8" DOORS	8'0" DOORS	
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT		MAX. O.C. SPACING AT JAMBS	MAX. O.C. SPACING AT JAMBS	
WOOD SCREW	#10	2X WOOD BUCK OR FRAMING	1-1/2"	3/4"	17-1/2"	17-1/4"	
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	2-1/2"	17-1/2"	17-1/4"	
ELCO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

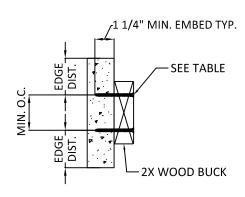




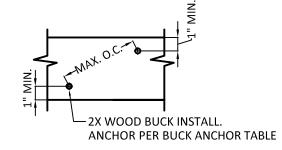
NOTE:
NO ANCHORS REQUIRED AT THE SILL FOR SINGLE DOORS (X) ONLY.







3 2X WOOD BUCK INSTALL.





<b>4</b> 2)	WOOD BUCK INSTALL.
3	SIDE VIEW

2X BUCK ANCHOR TABLE							
	ANCHOR		MIN.	MIN. EDGE	MIN. CENTER TO CENTER DISTANCE	6'8" DOORS	8'0" DOORS
ANCHOR TYPE	SIZE	SUBSTRATE	EMBEDMENT	DIST. TO SUBSTRATE		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:

- 1. 2X BUCK IS NOT FOR INSTALLATION AT SILL.
- 2. ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/3.



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DESIGN PRO/SMOOTH PRO IMPACT APPROVED OPTIONAL 2X BUCK ANCHORING DETAILS

WEN JELD WINDOWS

REMARKS BY DATE GL 06/23/1 Add ADA sill, Multi-Point Lock Reference DWG. #A010871A AM 09/16/1

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.



02.05.14 DATE:

DWG. BY: GL/TJM

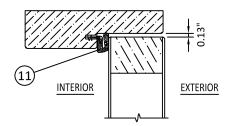
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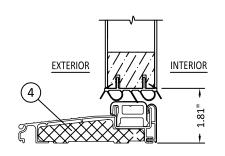
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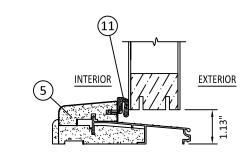
NTS SCALE:

DWG. #: D015726

SHEET:



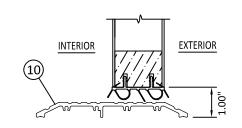


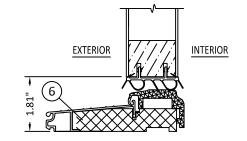


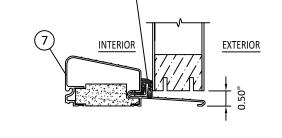








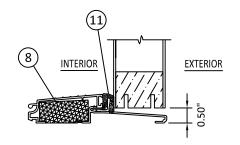


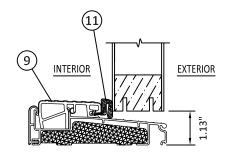






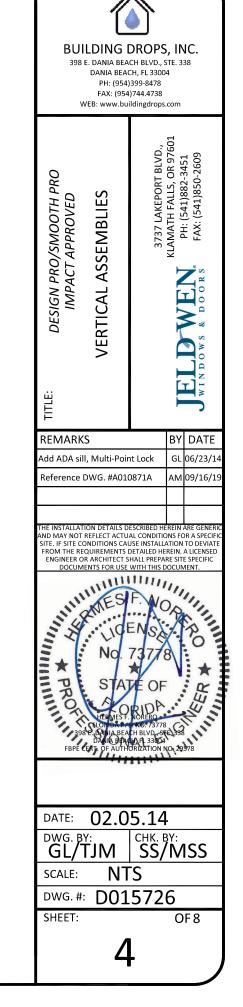




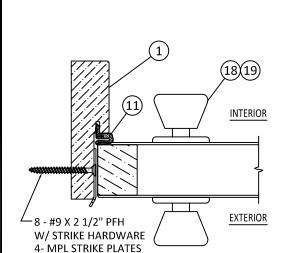




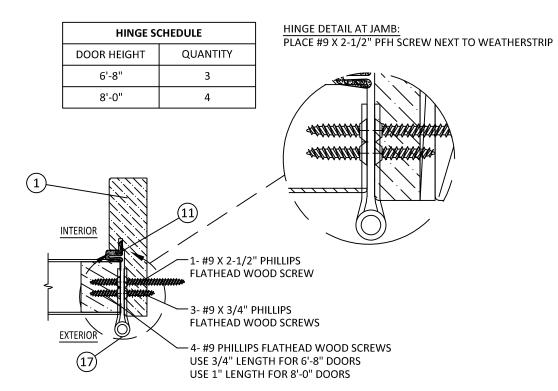




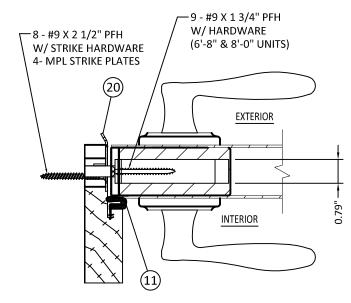
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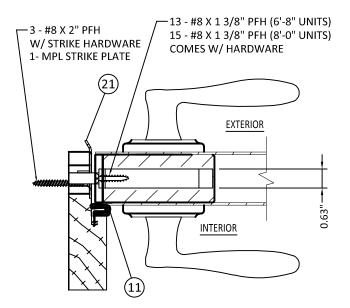




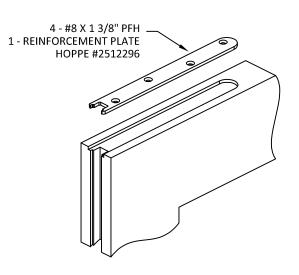




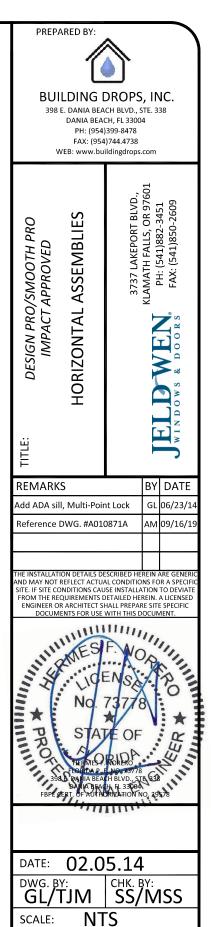






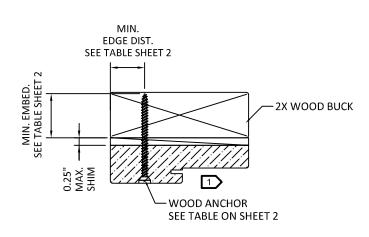


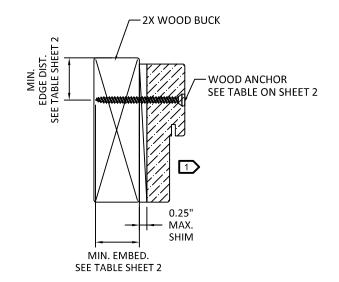


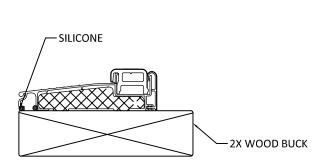


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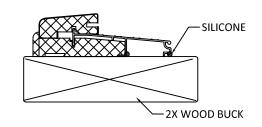


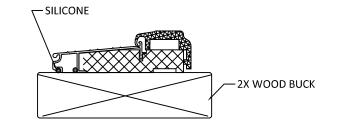


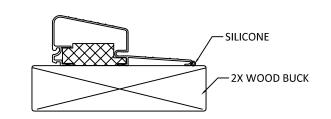








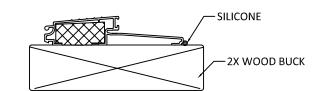


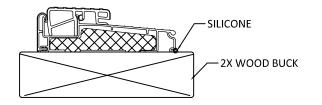


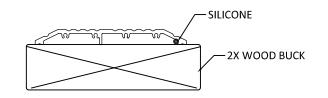








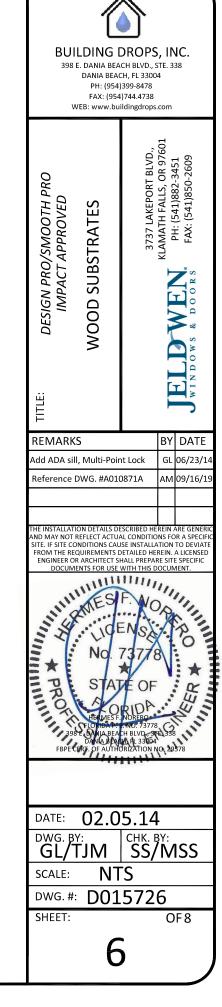






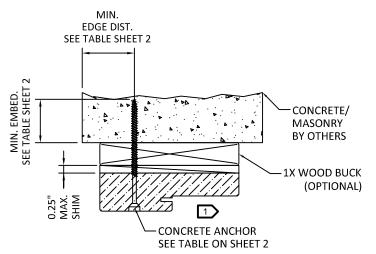


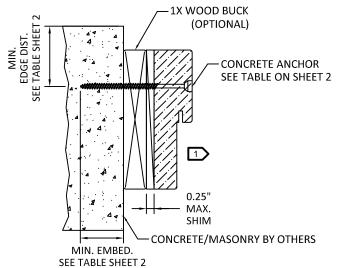


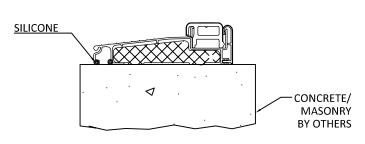


PREPARED BY:

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



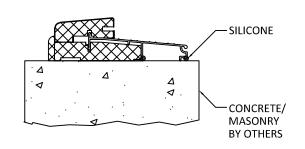


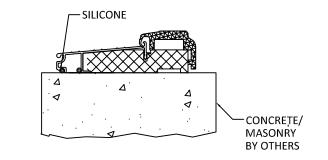


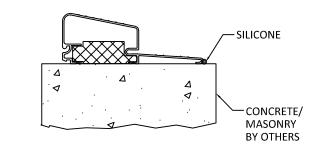










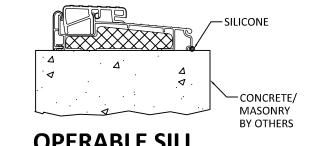


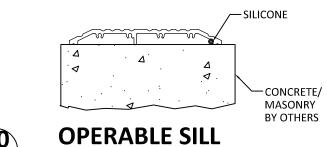






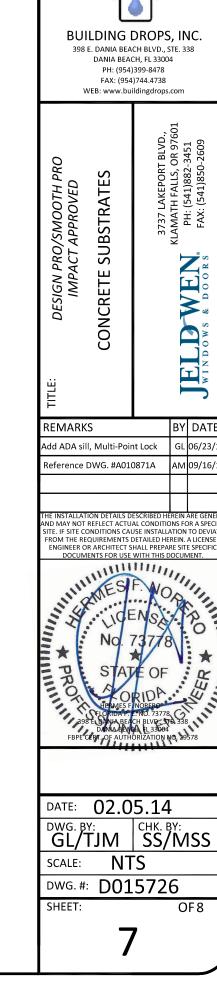












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BY DATE

GL 06/23/1

AM 09/16/1

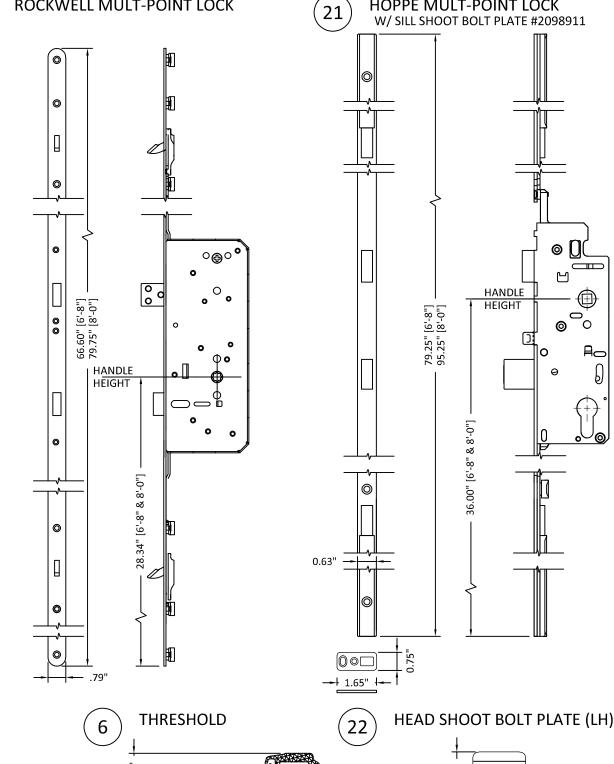
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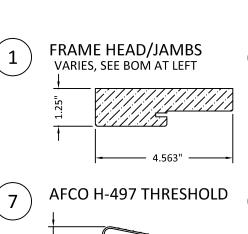
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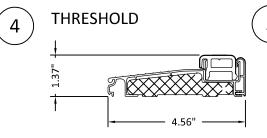
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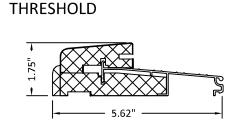
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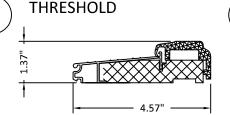
ITEM#	DESCRIPTION	MATERIAL		
		FINGER-JOINTED PINE		
1		SOLID PINE		
	FRAME HEAD/JAMBS	LAMINATED VENEER LUMBER		
		COMPOSITE		
2	(NOT USED)			
3	(NOT USED)			
4	THRESHOLD	-		
5	THRESHOLD	-		
6	THRESHOLD	-		
7	AFCO H-497 THRESHOLD	-		
8	THRESHOLD	-		
9	THRESHOLD	-		
10	ADA THRESHOLD	-		
11	WEATHERSTRIP	URETHANE FOAM & POLYETHYLENE		
12	NON-COMPRESSION SHIM (0.25" MAX. THK.)	COMPOSITE		
13	(NOT USED)	-		
14	(NOT USED)	-		
15	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL		
16	CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 2 & 3)	STEEL		
17	BUTT HINGE (SEE SCHEDULE SHEET 5)	STEEL		
18	LOCK SERIES 400	STEEL		
19	DEADBOLT SERIES 780	STEEL		
20	ROCKWELL MULTI-POINT TONGUE LATCH # 73228768 6-8 UNIT ROCKWELL MULTI-POINT TONGUE LATCH #73228780 8-0 UNIT  ST			
21	HOPPE MULI-POINT HARDWARE HLS9000	STEEL		
22	HOPPE MULI-POINT HEAD SHOOT BOLT PLATE LH #8784091	STEEL		
23	HOPPE MULI-POINT HEAD SHOOT BOLT PLATE RH #8783923	STEEL		





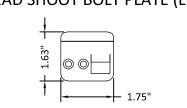






**ROCKWELL MULT-POINT LOCK** 

(20



HOPPE MULT-POINT LOCK

