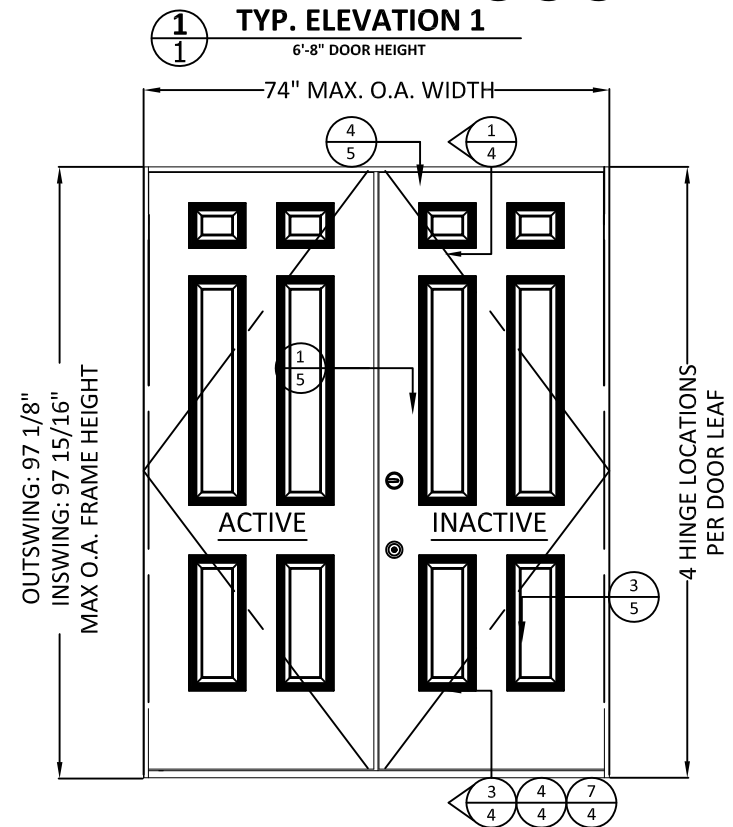
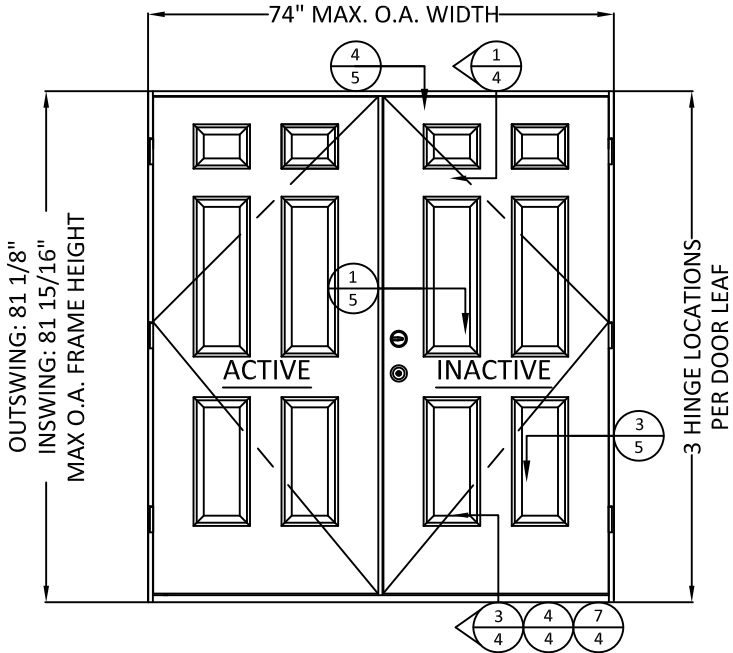


DESIGN PRO / SMOOTH PRO
NON-IMPACT

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), 2018 INTERNATIONAL BUILDING CODE (IBC), AND TEXAS REVISIONS, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E330-02
 - ASTM E283-04
 - AAMA 1304-02
- 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.
- 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 9.0 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



NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.

CONFIGURATION	MAX. OVERALL SIZE		DESIGN PRESSURE (PSF)				MISSILE IMPACT RATING
	WIDTH	HEIGHT	INSWING		OUTSWING		
			POS.	NEG.	POS.	NEG.	
XX	6'-0"	6'-8"	50*	50	50*	50	NON-IMPACT
XX	6'-0"	8'-0"	50*	50	50*	50	NON-IMPACT

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

PREPARED BY:

TITLE: DESIGN PRO/SMOOTH PRO
NON-IMPACT
TYPICAL ELEVATIONS, DESIGN
PRESSURES, AND GENERAL NOTES

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

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JOSEPH A. REED, P.E.
Texas No. 100777
5 Leigh Drive
York, PA. 17406
(717) 846-1200

DATE: 10.15.2021

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CHK. BY: SS

SCALE: NTS

DWG. #: A011006

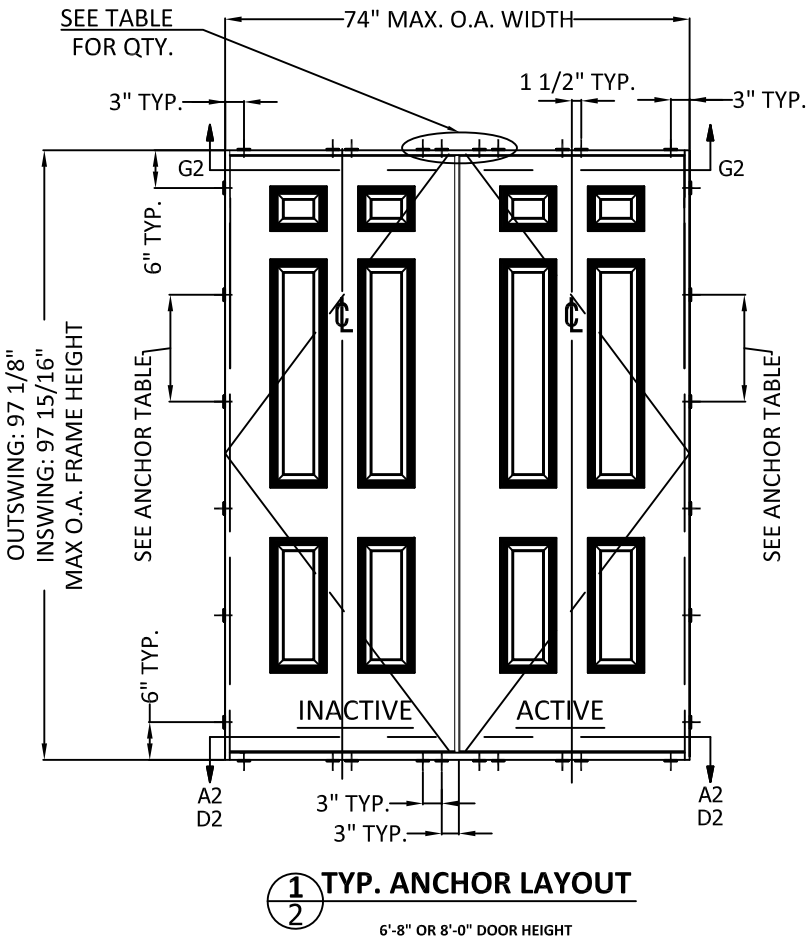
SHEET: OF 8

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES
2	A	TYPICAL ANCHOR LAYOUTS AND NOTES
3	-	OPTIONAL 2X BUCK ANCHORING DETAILS
4	A	VERTICAL ASSEMBLIES
5	A	HORIZONTAL ASSEMBLIES
6	-	WOOD SUBSTRATES
7	-	CONCRETE SUBSTRATES
8	A	COMPONENTS & BILL OF MATERIALS

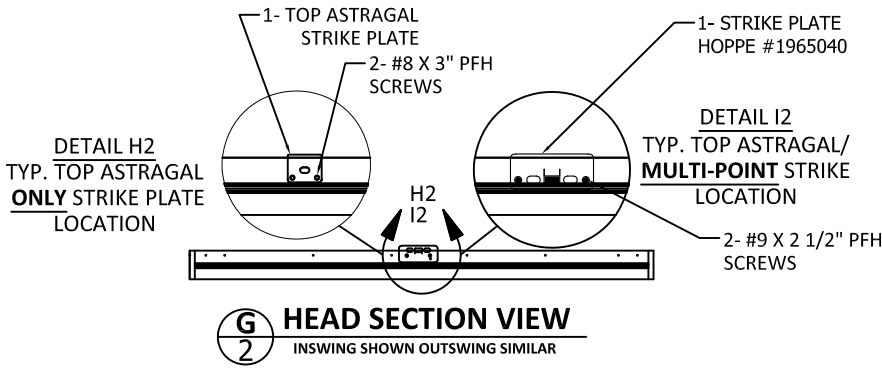
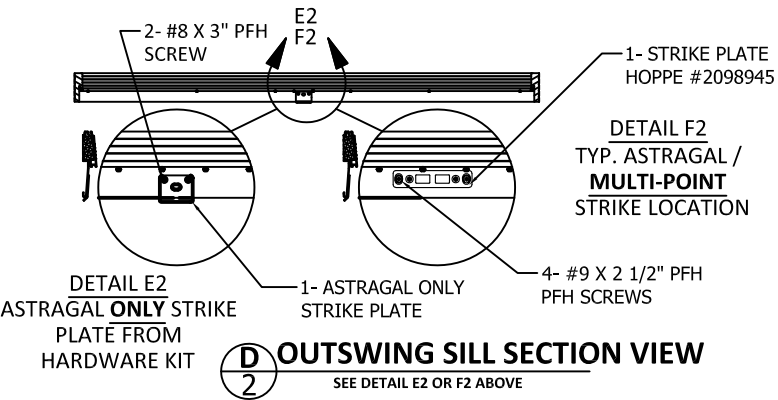
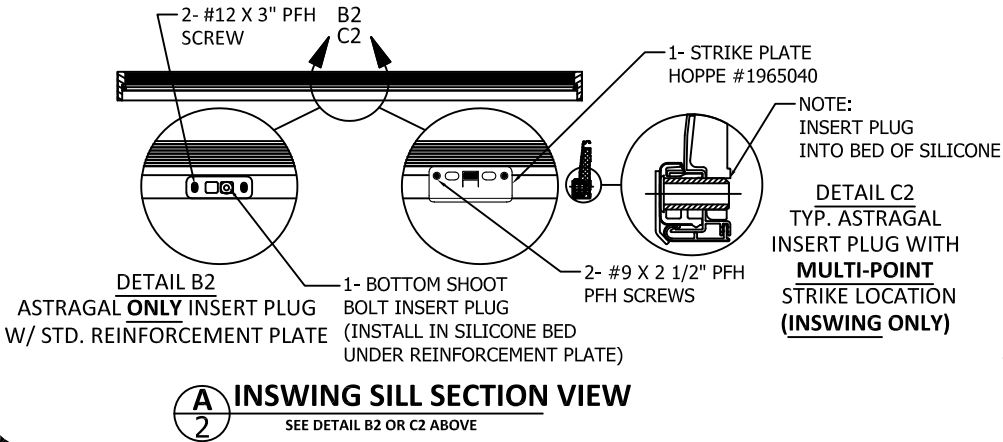
INSTALLATION NOTES:

- 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 A NON-COMPRESSIBLE COMPOSITE 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 0.42.
 - 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 6 AND 7 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"	1-1/8"- CONC. 2"- CMU	11-5/8"	8	14-3/8"	6



NOTE:
INACTIVE AND ACTIVE DOOR PANEL
ORIENTATION IS INTERCHANGEABLE.



PREPARED BY:

TITLE: DESIGN PRO/SMOOTH PRO
NON-IMPACT

ANCHOR LAYOUTS AND NOTES

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

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JOSEPH A. REED, P.E.
Texas No. 100777
5 Lehigh Drive
York, PA. 17406
(717) 846-1200

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DWG. #: A011006

SHEET: OF 8

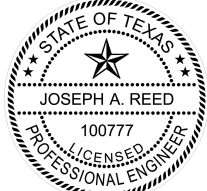
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DESIGN PRO/SMOOTH PRO
NON-IMPACT
OPTIONAL 2X BUCK
ANCHORING DETAILS

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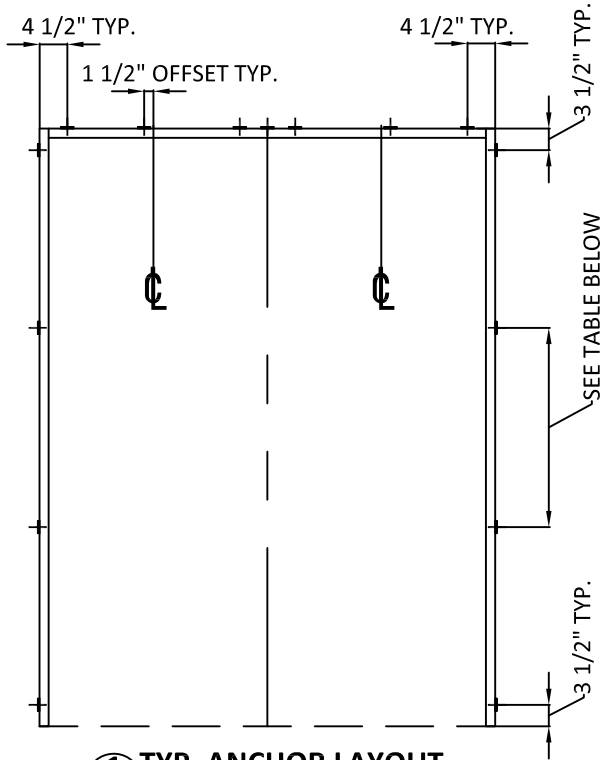
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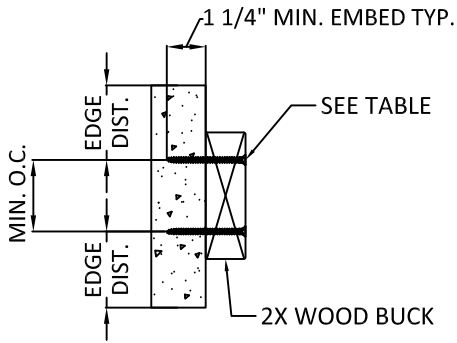
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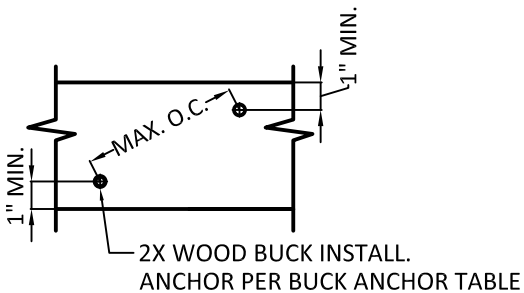
SHEET: OF 8



1 TYP. ANCHOR LAYOUT
3 OPTIONAL 2X BUCK IN CONCRETE/MASONRY



3 2X WOOD BUCK INSTALL.
CROSS SECTION



4 2X WOOD BUCK INSTALL.
SIDE VIEW

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 4/3.

DESIGN PRO/SMOOTH PRO
NON-IMPACT
VERTICAL ASSEMBLIES

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

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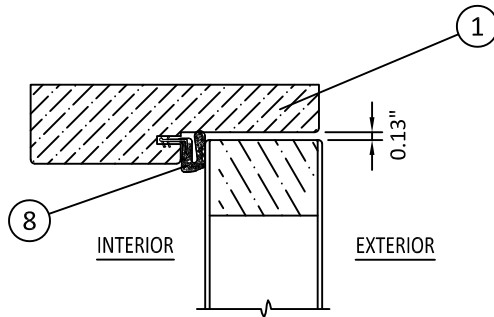
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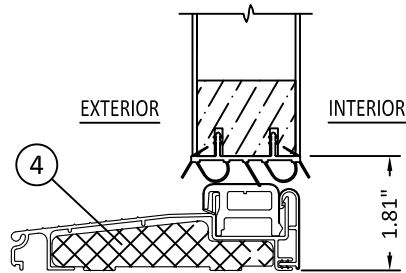
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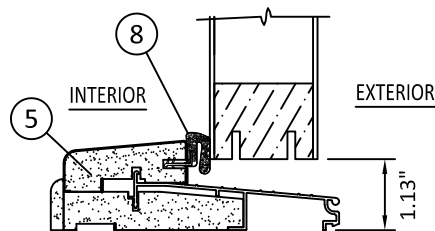
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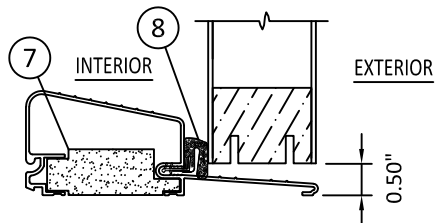
1
4 OPERABLE HEAD
OUTSWING SHOWN - INSWING SIMILAR



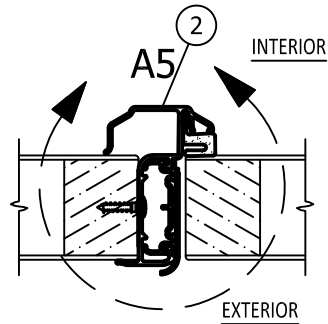
3
4 OPERABLE SILL
INSWING



4
4 OPERABLE SILL
OUTSWING

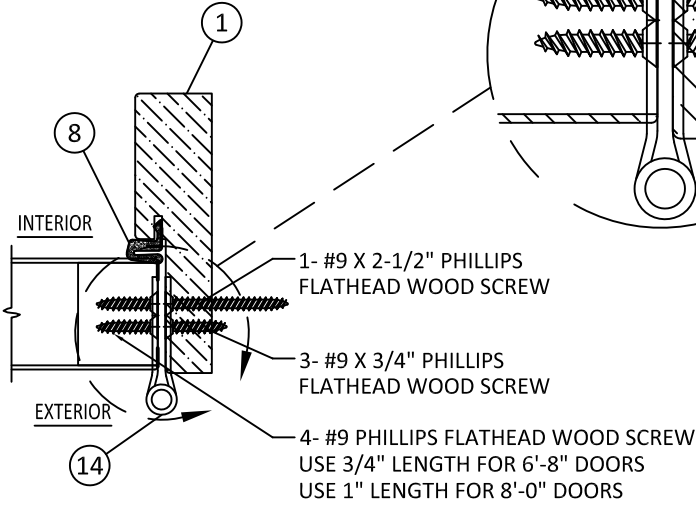
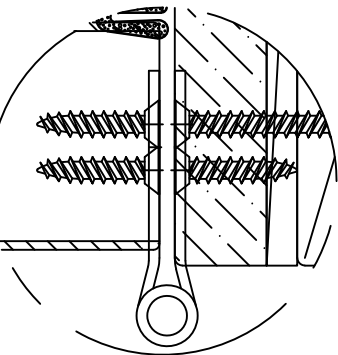


7
4 OPERABLE SILL
OUTSWING



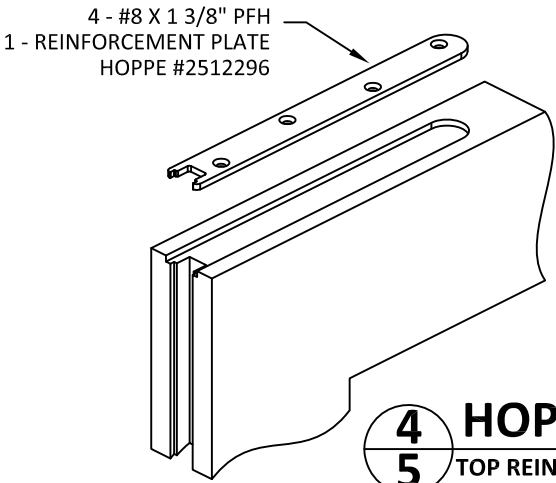
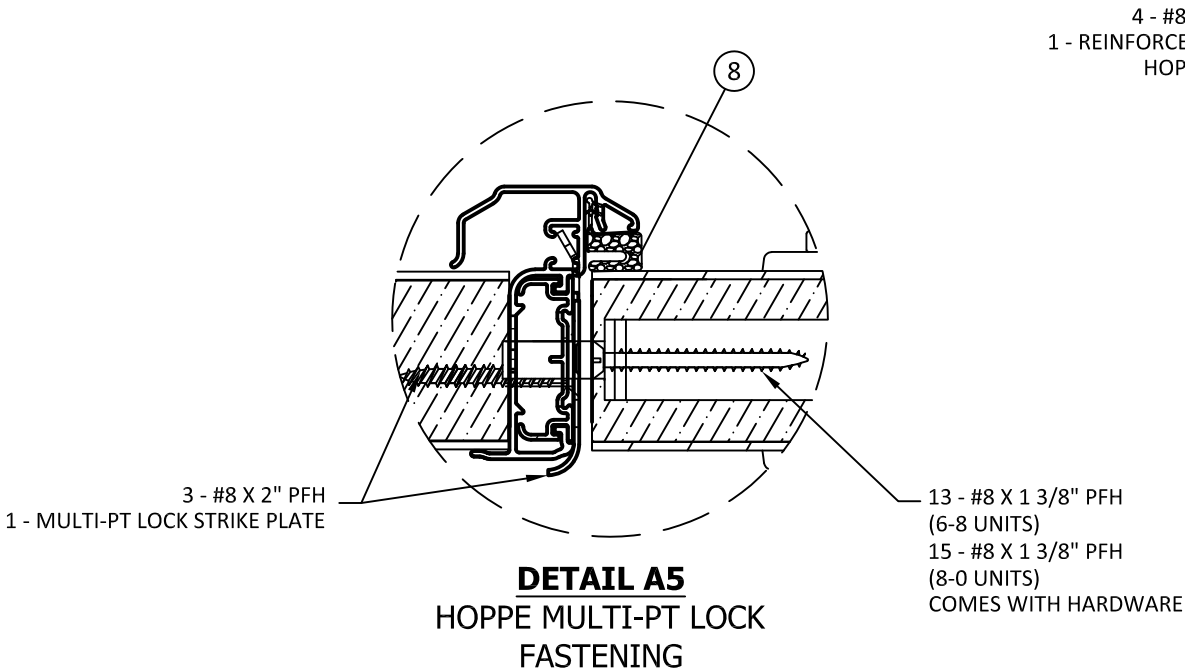
HINGE SCHEDULE	
DOOR HEIGHT	QUANTITY
6'-8"	3
8'-0"	4

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



1
5 MEETING STILE
OUTSWING SHOWN - INSWING SIMILAR

3
5 HINGE JAMB
OUTSWING SHOWN - INSWING SIMILAR



PREPARED BY:

DESIGN PRO/SMOOTH PRO
NON-IMPACT
HORIZONTAL ASSEMBLIES

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KLAMATH FALLS, OR 97601
PH: (541)882-3451
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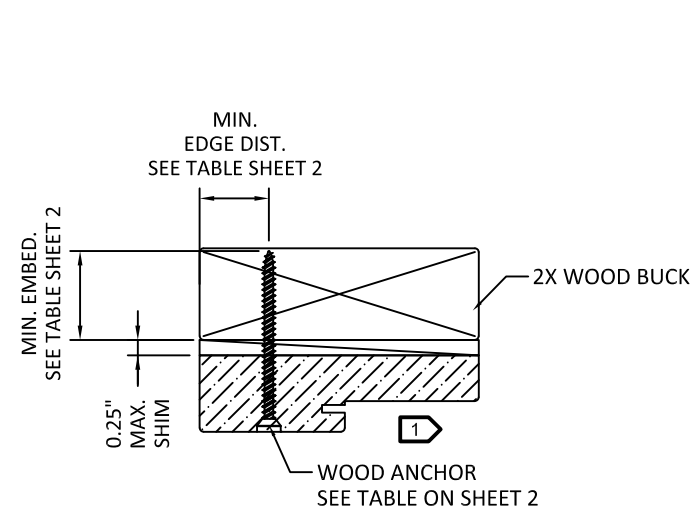
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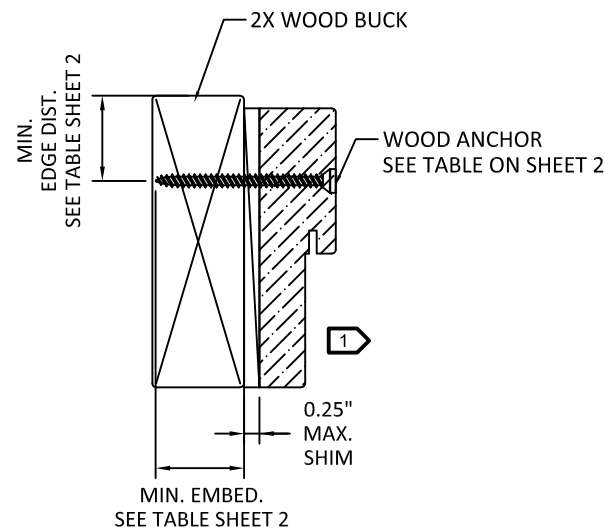
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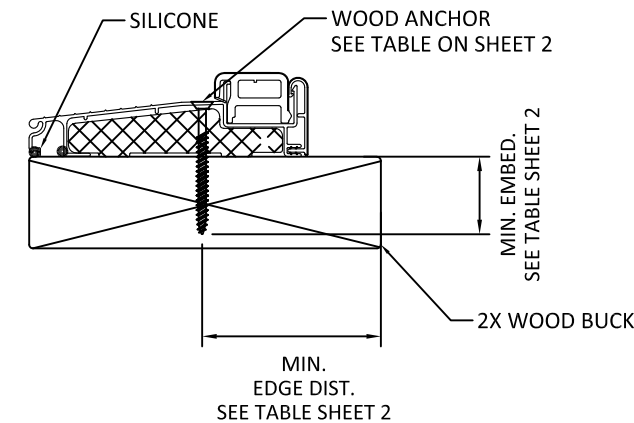
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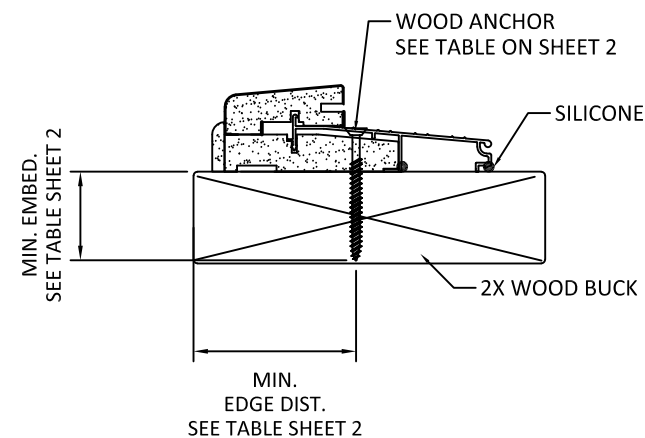
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6 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



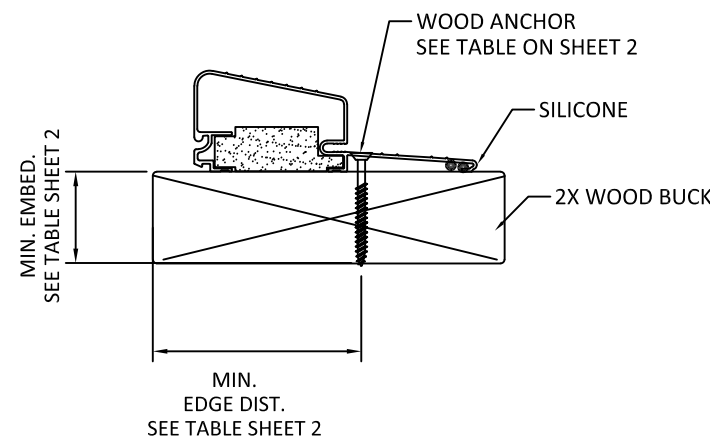
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6 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
6 **OPERABLE SILL**
INSWING



4
6 **OPERABLE SILL**
OUTSWING



7
6 **OPERABLE SILL**
HIGH BUMP OUTSWING

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

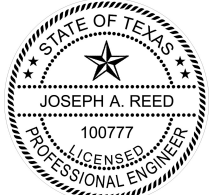
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DESIGN PRO/SMOOTH PRO
NON-IMPACT
WOOD INSTALLATION

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

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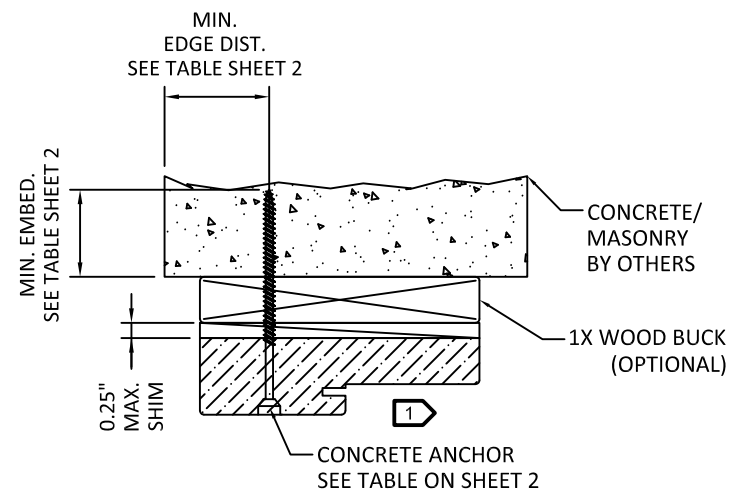
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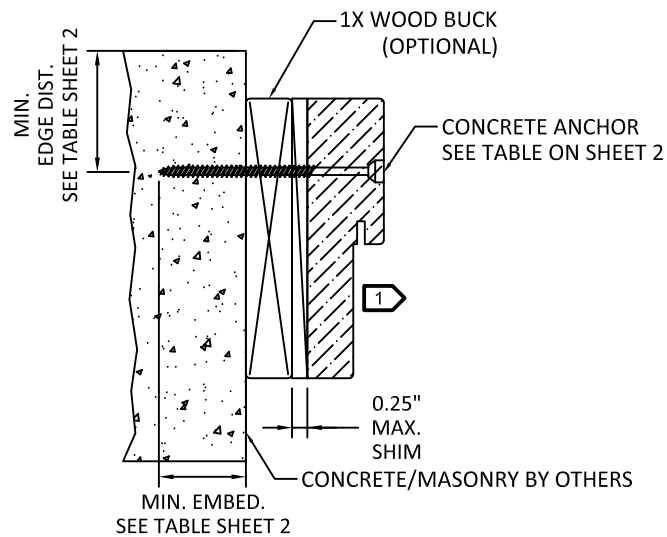
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SHEET: OF 8

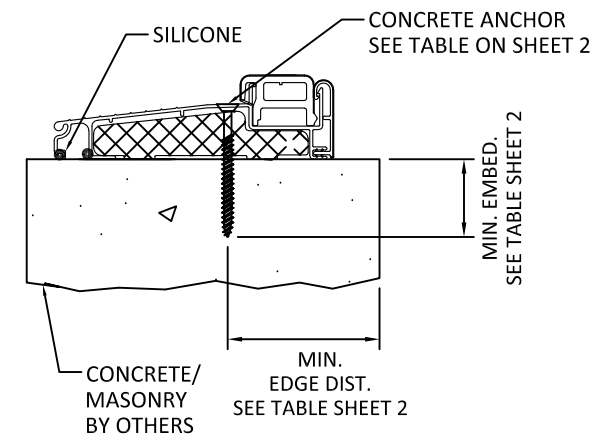
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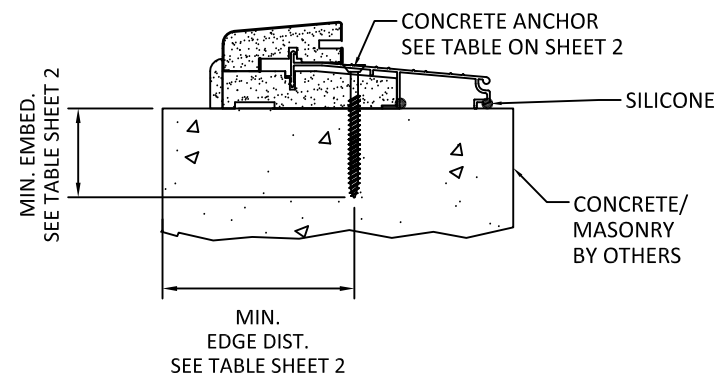
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7 **HEAD (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



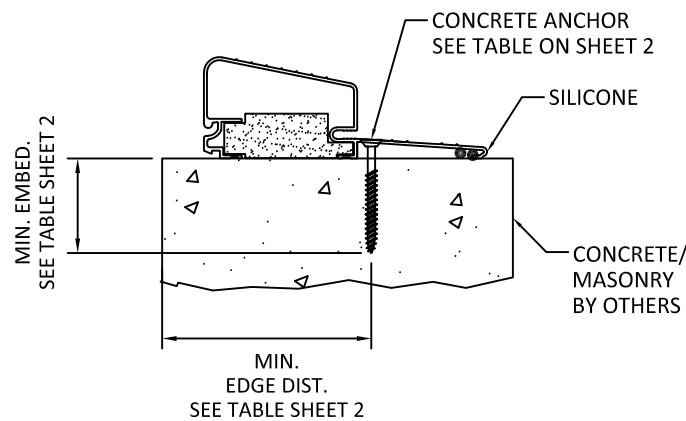
2
7 **JAMB (TYPICAL)**
OUTSWING SHOWN - INSWING SIMILAR



3
7 **OPERABLE SILL**
INSWING



4
7 **OPERABLE SILL**
OUTSWING



7
7 **OPERABLE SILL**
HIGH BUMP OUTSWING

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

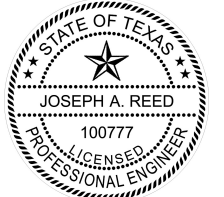
PREPARED BY:

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NON-IMPACT
CONCRETE INSTALLATION**

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

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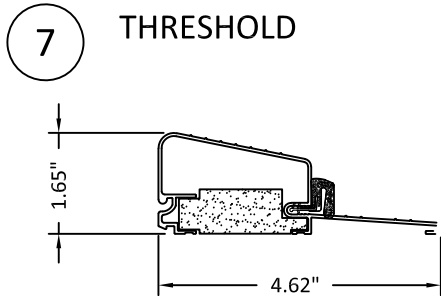
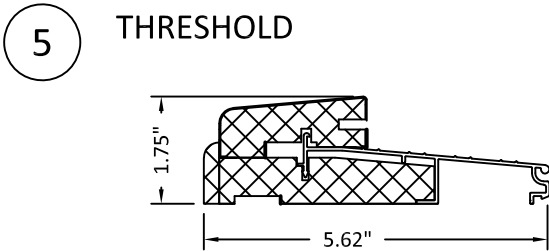
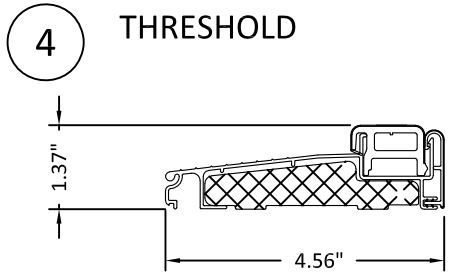
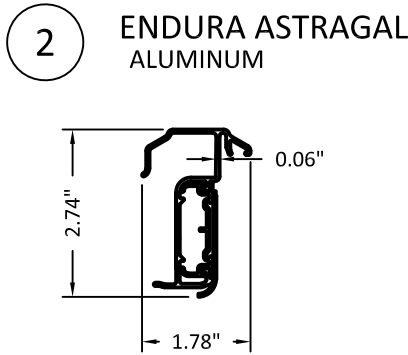
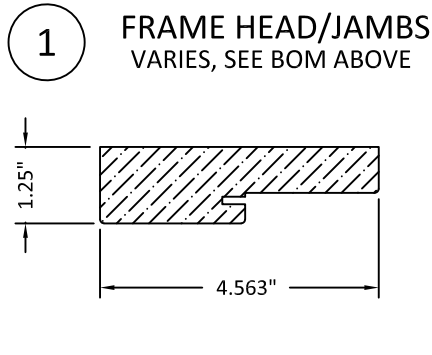
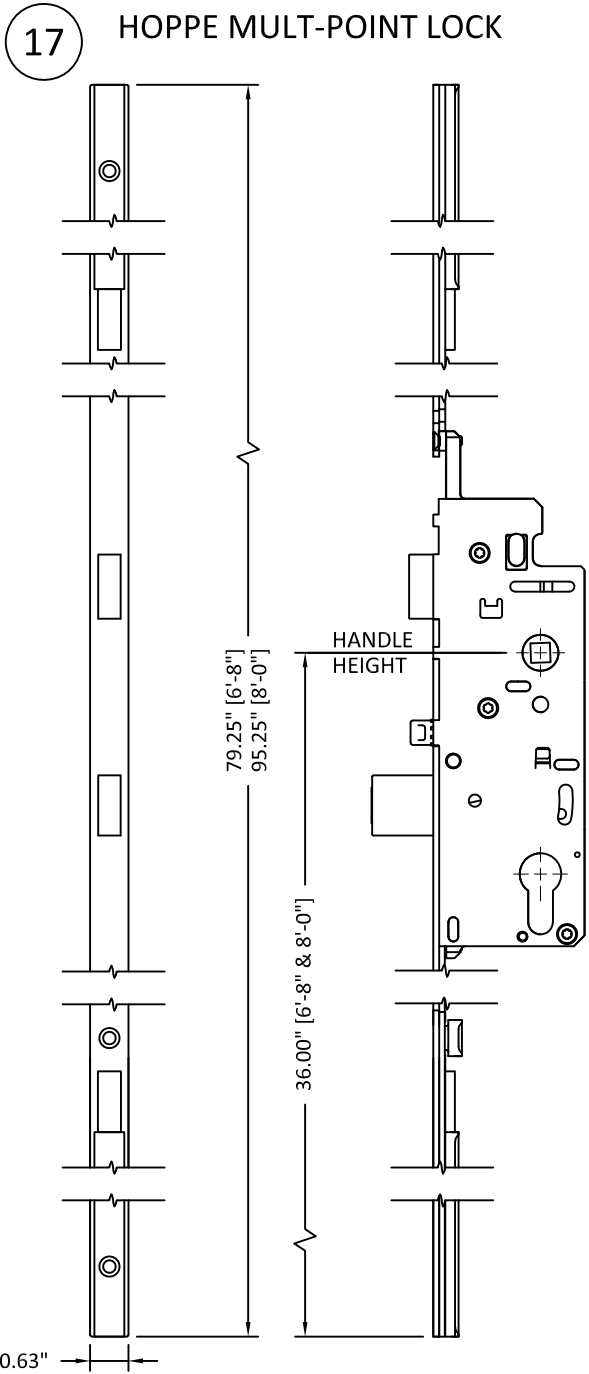
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SCALE: **NTS**

DWG. #: **A011006**

SHEET: **7** OF 8

BILL OF MATERIALS		
ITEM#	DESCRIPTION	MATERIAL
1	FRAME HEAD/JAMBS	FINGER-JOINTED PINE
		SOLID PINE
		LAMINATED VENEER LUMBER
		COMPOSITE
2	ASTRAGAL, ENDURA ULTIMATE HURRICANE (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	6063-T6 ALUMINUM
3	(NOT USED)	-
4	THRESHOLD	-
5	THRESHOLD	-
6	(NOT USED)	-
7	THRESHOLD	-
8	WEATHERSTRIP	URETHANE FOAM & POLYETHYLENE
9	NON-COMPRESSION SHIM (0.25" MAX. THK.)	COMPOSITE
10	(NOT USED)	-
11	(NOT USED)	-
12	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL
13	CONC./CMU ANCHOR (SEE ANCHOR TABLE SHEETS 2 & 3)	STEEL
14	BUTT HINGE (SEE SCHEDULE SHEET 5)	-
15	KWIKSET LOCK SERIES 400	STEEL
16	KWIKSET DEADBOLT SERIES 780	STEEL
17	HOPPE MULTI-POINT HARDWARE HLS9000 (SEE SHEET 2 FOR HARDWARE AND FASTENING DETAILS)	STEEL



PREPARED BY:

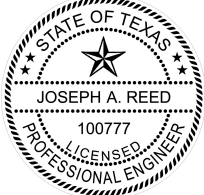
TITLE: DESIGN PRO/SMOOTH PRO
NON-IMPACT

COMPONENTS AND BILL OF MATERIALS

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

REMARKS	BY	DATE

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Joseph A. Reed

2021.11.16 11:27:37 -05'00'
JOSEPH A. REED, P.E.
Texas No. 100777
5 Lehigh Drive
York, PA. 17406
(717) 846-1200

DATE: 10.15.2021

DWG. BY: GL
CHK. BY: SS

SCALE: NTS

DWG. #: A011006

SHEET: OF 8