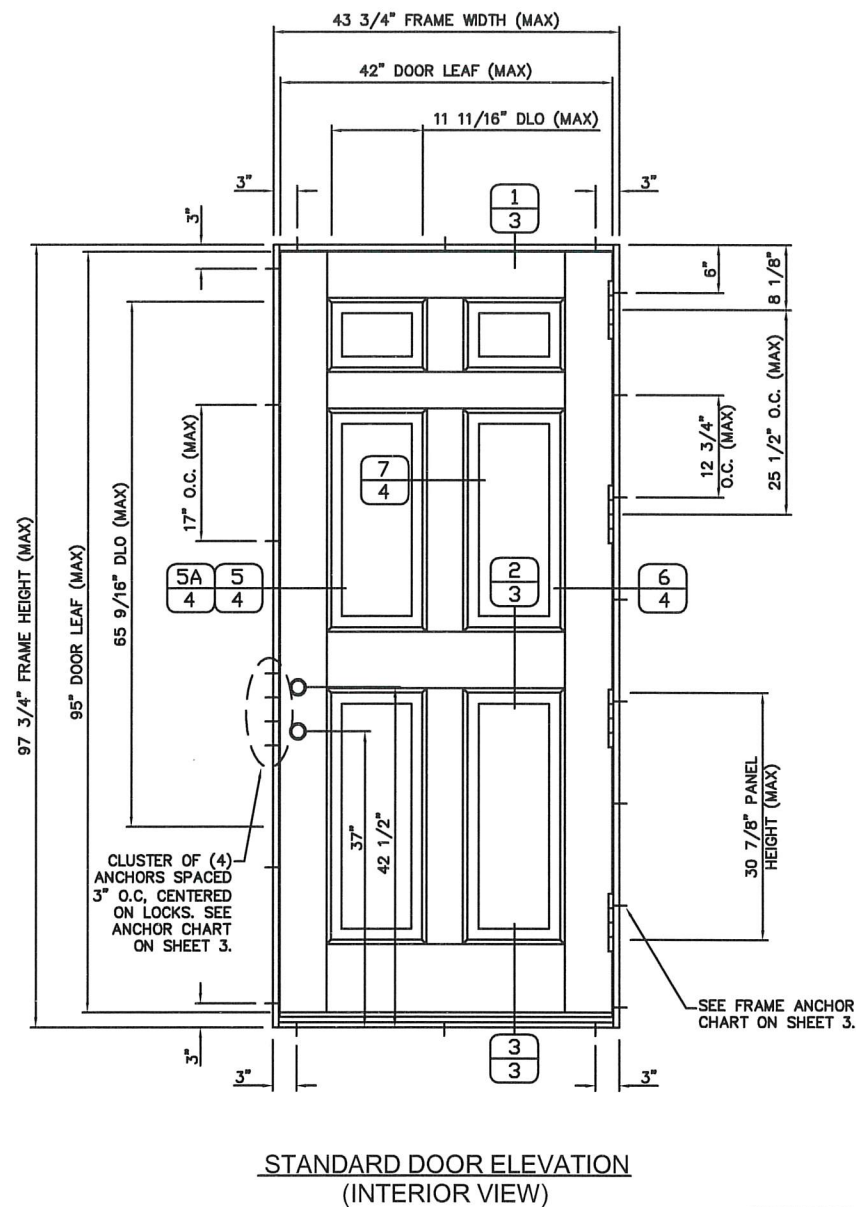
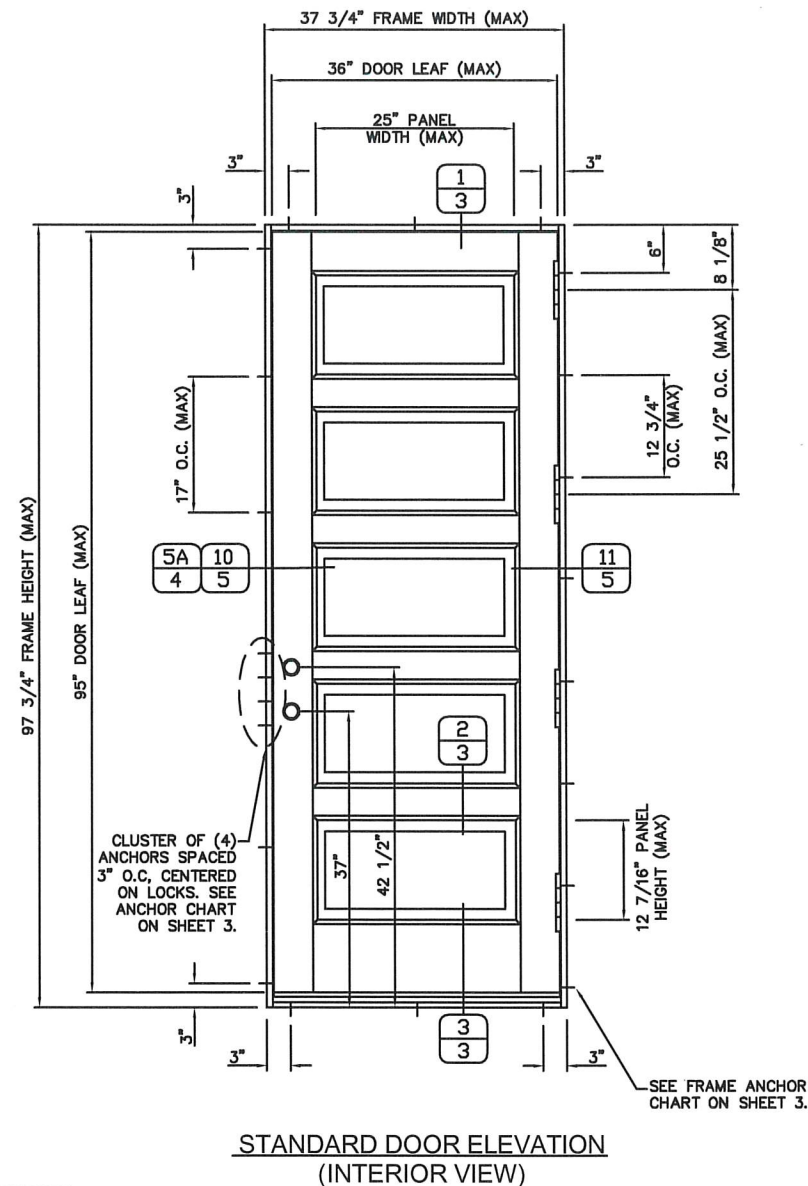


RAISED PANEL DOORS:



STANDARD DOOR ELEVATION
(INTERIOR VIEW)



STANDARD DOOR ELEVATION
(INTERIOR VIEW)

MAXIMUM DESIGN PRESSURE
SEE HARDWARE CHART

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, FOR USE OUTSIDE OF THE HVHZ. THIS SYSTEM IS NOT IMPACT RESISTANT, SHUTTERS ARE REQUIRED IN WINDBORNE DEBRIS REGIONS.
2. DESIGN LOADS MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE PROJECT PRESSURE CANNOT EXCEED THE DESIGN PRESSURE LISTED FOR EACH ELEVATION.
3. THIS SYSTEM IS NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. THE SYSTEM MUST BE PROTECTED BY AN OVERHANG THAT PROJECTS OUT FARTHER THAN ITS HEIGHT FROM THE GROUND.
4. ALL ANCHORS SECURING THE SYSTEM TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
5. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GLAVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
6. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. $C_d=1.6$ WAS USED FOR WOOD SCREWS ONLY.

CORNER CONSTRUCTION:

FRAME CORNERS: HORIZONTAL FRAME ENDS ARE COPED AND BUTTED TO VERTICAL FRAME JAMBS WITH JOINT FULLY GLUED WITH WOOD GLUE AND FASTENED WITH (3) #6 x 2" WOOD SCREWS.

PANEL CORNERS: HORIZONTAL RAILS ARE COPED AND BUTTED TO VERTICAL STILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (4) 5/8" x 4 1/2" DOWELS AT BOTTOM RAIL AND (3) 5/8" x 4 1/2" DOWELS AT TOP RAIL.

MID-RAIL INTERSECTIONS: THE HORIZONTAL MID-RAILS ARE COPED AND BUTTED TO VERTICAL STILES WITH JOINT FULLY GLUED WITH WOOD GLUE AND DOWELED WITH (3) 5/8" x 4 1/2" DOWELS.

MUTINS: HORIZONTAL MUTINS ARE COPED AND BUTTED TO VERTICAL STILES WITH JOINT FULLY GLUED AND NAILED WITH 1 1/4" BRAD NAILS. VERTICAL MUTINS ARE COPED AND BUTTED TO THE HORIZONTAL RAILS AND HORIZONTAL MUTINS WITH JOINT FULLY GLUED AND NAILED WITH 1 1/4" BRAD NAILS.

HARDWARE SCHEDULE			
LOCKS			
STRIKE PLATES	APPROVED LOCKSETS	MAX. DOOR SIZE (in)	MAX DESIGN PRESSURE (psf)
STANDARD STRIKE PLATES	KWIKSET 800 CE	42" x 96"	+40.6/-53.2
		36" x 96"	+/- 60.15
		36" x 80"	+/- 65.16
	KWIKSET 687DA	42" x 96"	+40.6/-53.2
	SCHLAGE JH58	42" x 96"	+40.6/-53.2
STANDARD STRIKE PLATES WITH STEEL SECURITY PLATE (SEE DETAIL 5A/5)	KWIKSET 800 CE	42" x 96"	+54.8/-71.3
		36" x 96"	+60.15/-71.3
		36" x 80"	+65.16/-71.3
	KWIKSET 687DA	42" x 96"	+54.8/-71.3
	SCHLAGE JH58	42" x 96"	+54.8/-71.3
HINGES			
APPROVED HINGES		MAX. DOOR SIZE (in)	MAX DESIGN PRESSURE (psf)
SGS HARDWARE 158 SERIES - (4) PER LEAF		42" x 96"	+54.8/-71.3
		36" x 80"	+65.16/-71.3
SGS HARDWARE 158 SERIES - (3) PER LEAF		36" x 96"	+/-50.13
		36" x 80"	+/- 65.16

HARDWARE NOTES:

LOCKS: DEADBOLT AND DEADLATCH ARE FASTENED TO DOOR STILE WITH (2) #8 x 5/8" WOOD SCREWS.

LOCK STRIKES: DEADBOLT STRIKE PLATE IS FASTENED TO THE FRAME WITH (4) #10 x 3" WOOD SCREWS. DEADLATCH STRIKE PLATE IS FASTENED TO FRAME WITH (2) #8 x 1 1/2" WOOD SCREWS.

SECURITY PLATE: THE STEEL SECURITY PLATE IS FASTENED TO THE DOOR FRAME WITH
(3) #8 x 5/8" WOOD SCREWS.

HINGES: HINGES ARE FASTENED TO THE DOOR HINGE STILE WITH (4) #10 x 1" WOOD SCREWS. HINGES ARE FASTENED TO THE DOOR FRAME WITH (3) #10 x 1" WOOD SCREWS AND (1) #10 x 2 1/2" WOOD SCREW. AT CONCRETE OR STEEL, THE 2 1/2" WOOD SCREW IS REPLACED WITH A FRAME ANCHOR PER THE CHART ON SHEET 4.

SWING: DOORS ON THIS SHEET UP TO 36" x 96" AND +/-60.15 PSF MAY BE INSTALLED AS OUTSWING.

OTHER APPROVED SHAPES:



2023	CODE UPDATE	10/14/23
	REVISION	8/13/21
	TRANSOM/SIDELITES	6/8/20
2017	CODE UPDATE	4/18/19
2014	CODE UPDATE	8/31/15
1ST	SUBMITTAL	8/30/13
	PRINTS ISSUED FOR	REV.# DATE

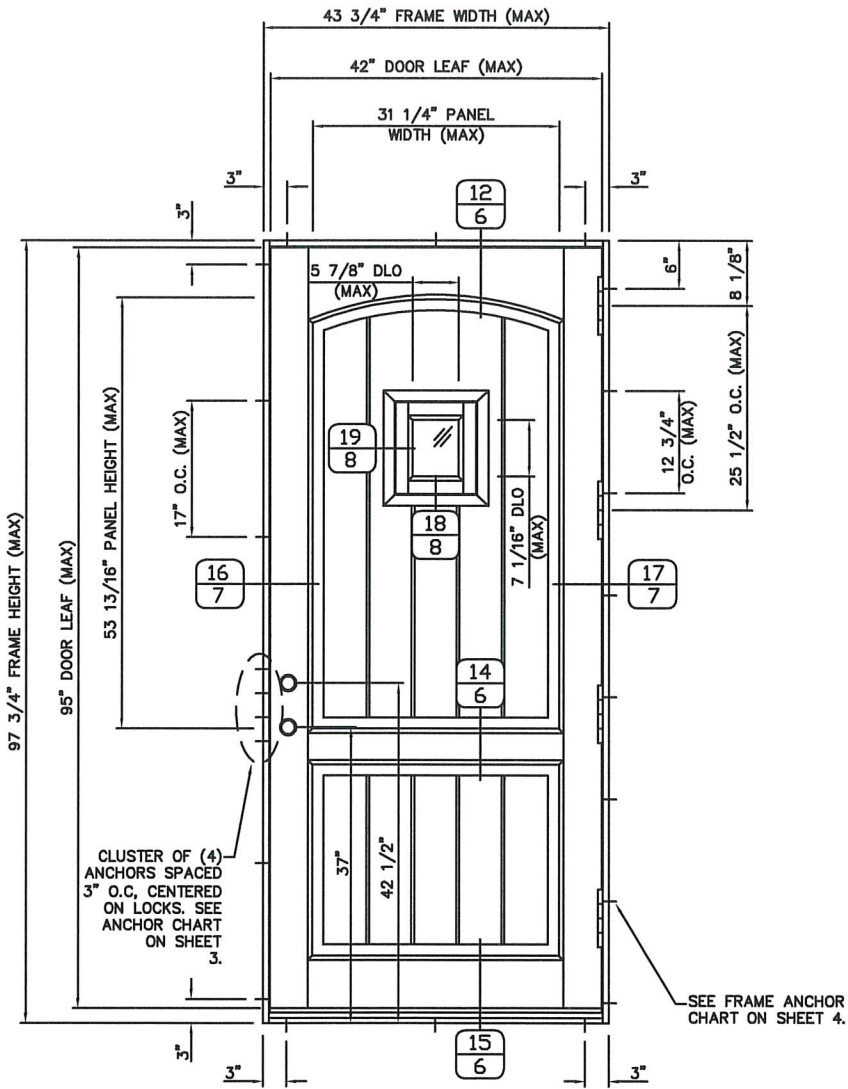
NON-IMPACT SINGLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064
PH: (713) 869-6466
FAX: (713) 861-2909
www.hoelscherweatherstrip.com

DWG:	HWM-3
SHEET:	1/13

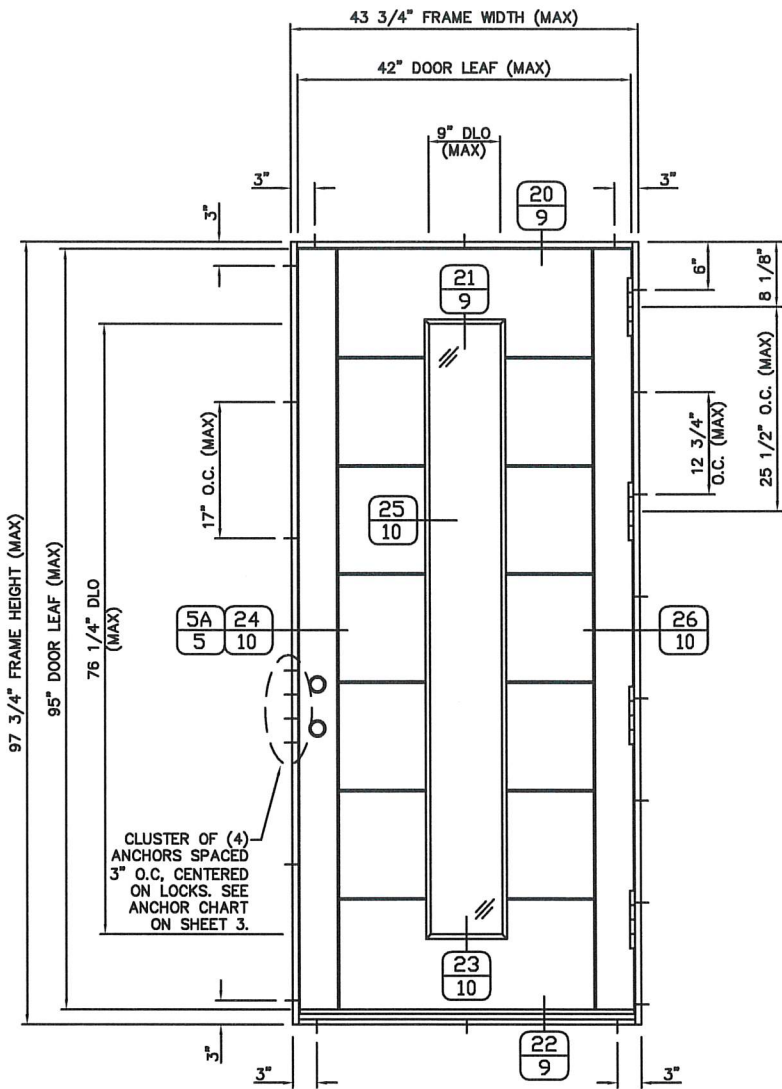
WOOD PANEL DOORS:

CONTEMPORARY PANEL DOORS:



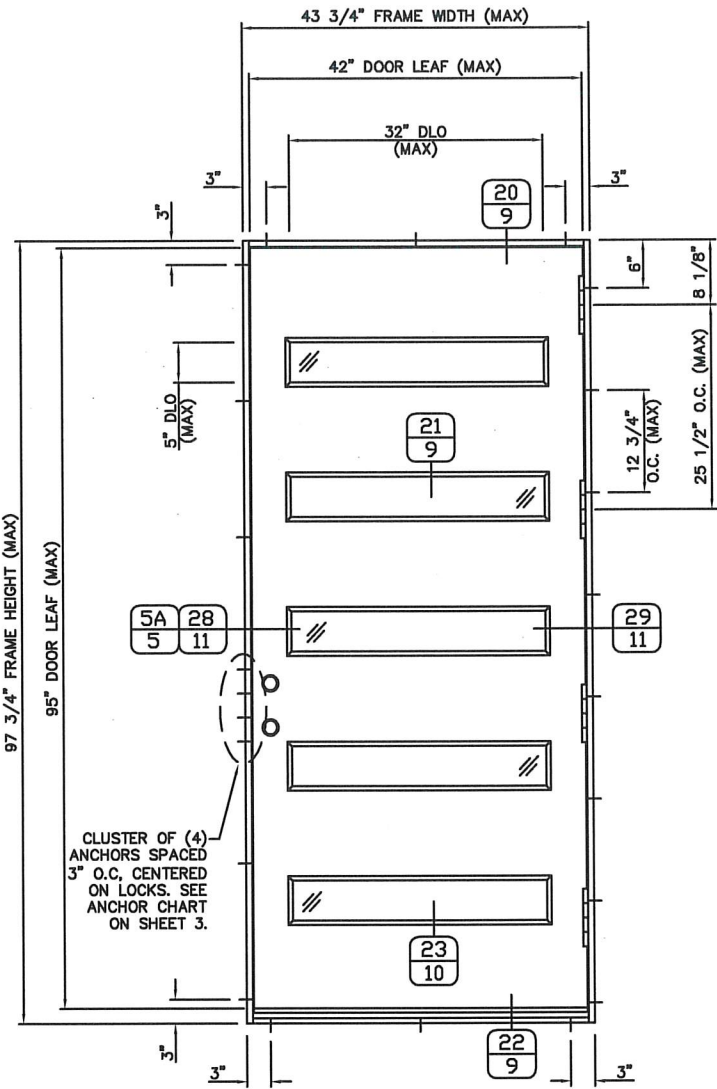
STANDARD DOOR ELEVATION
WITH OPTIONAL SPEAK-EASY PANEL
(INTERIOR VIEW)

MAXIMUM DESIGN
PRESSURE
42"x96": +/- 60.15 PSF
36"x80": +/- 70.18 PSF



STANDARD DOOR ELEVATION
WITH OPTIONAL VERTICAL LITE
(INTERIOR VIEW)

MAXIMUM DESIGN
PRESSURE
+/- 50.13 PSF



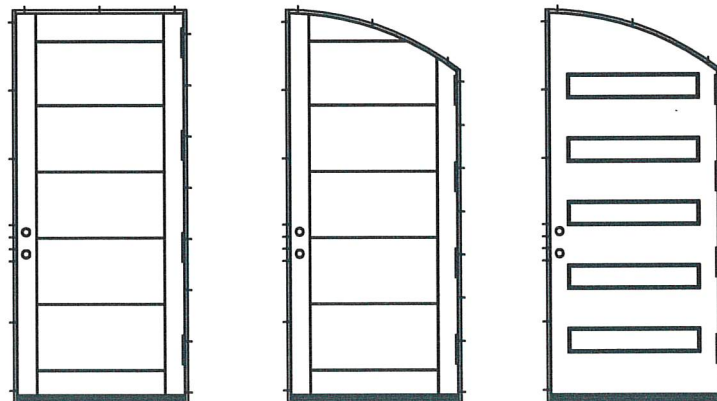
STANDARD DOOR ELEVATION
WITH OPTIONAL HORIZONTAL LITES
(INTERIOR VIEW)

MAXIMUM DESIGN
PRESSURE
+/- 60.15 PSF

OTHER APPROVED SHAPES:



OTHER APPROVED SHAPES:



NON-IMPACT SINGLE WOOD PANEL DOOR

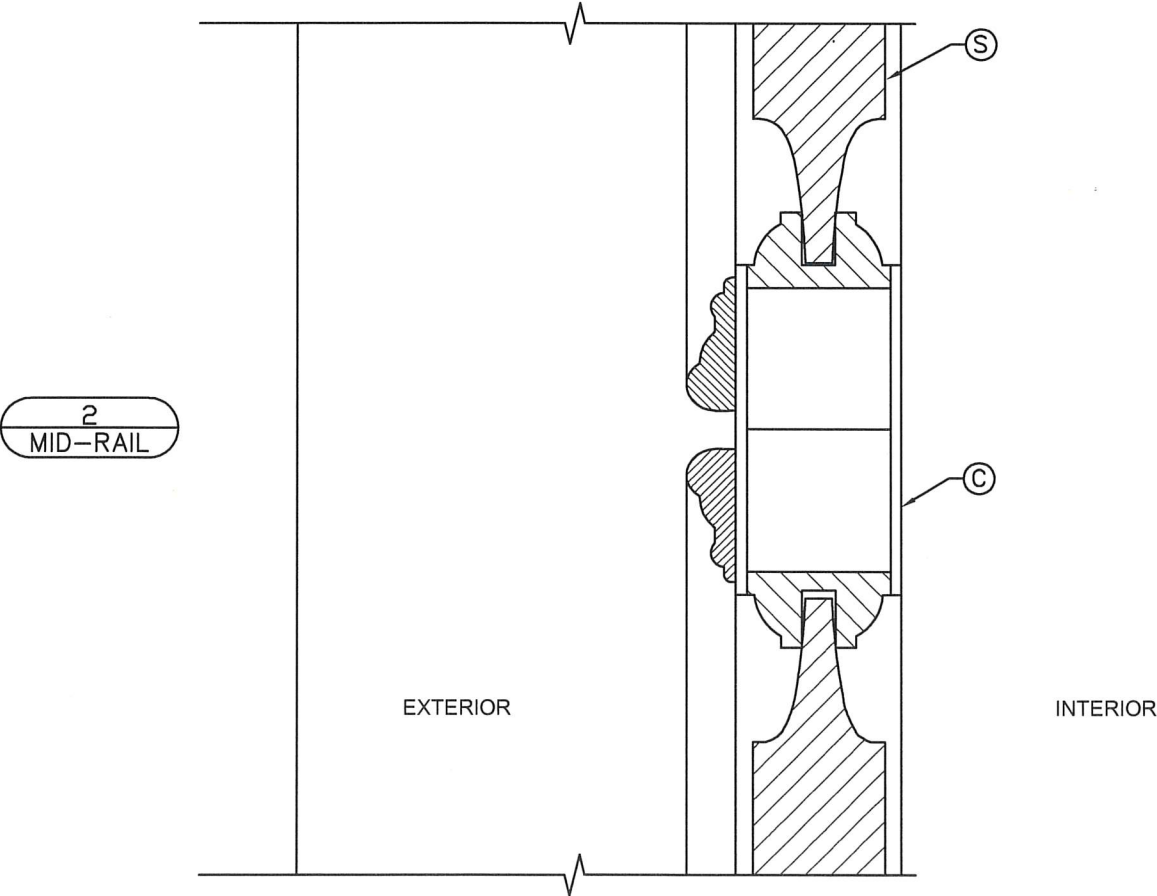
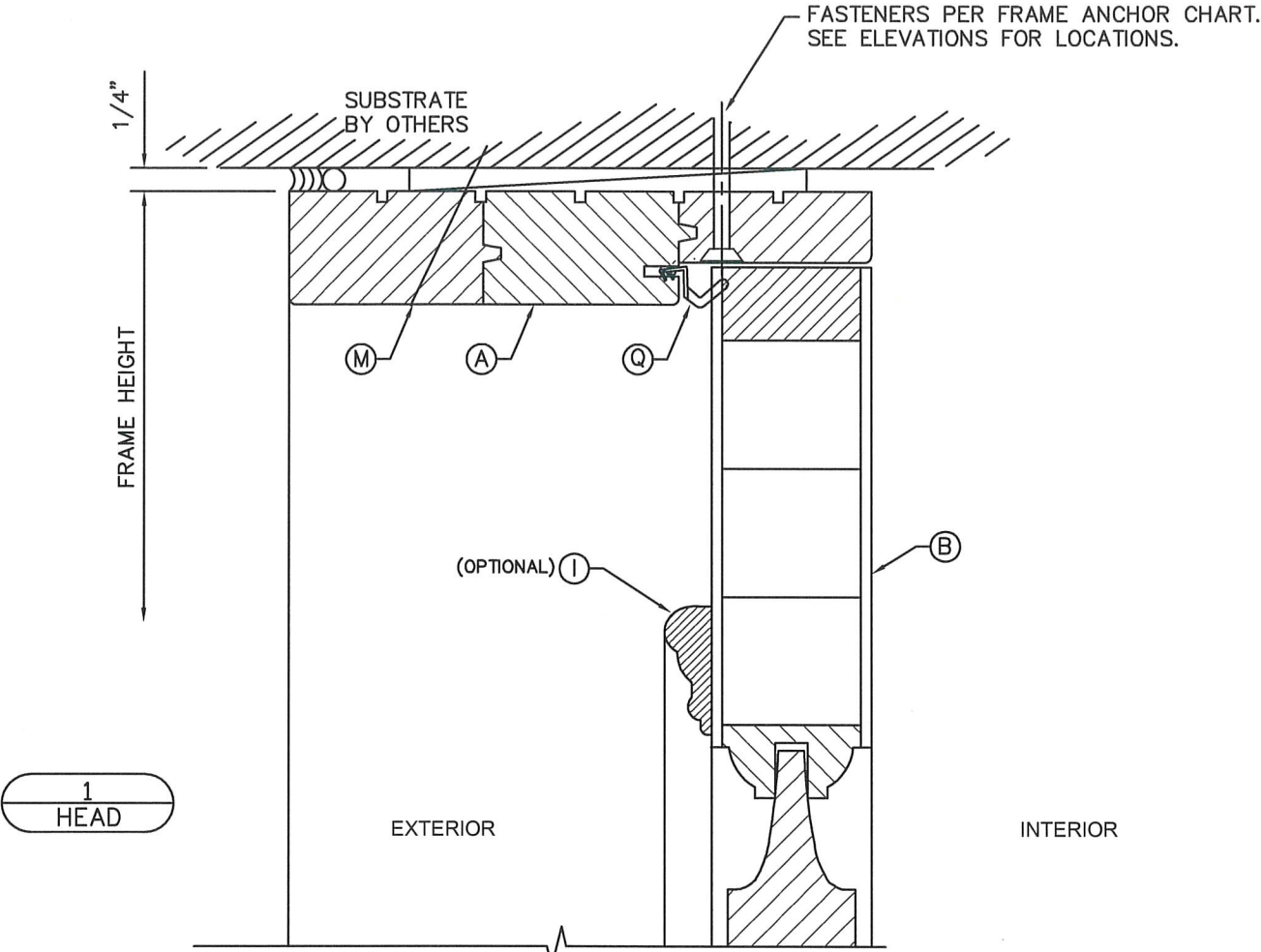
HOELSCHER WEATHERSTRIP MFG, INC.
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HOUSTON, TX 77064
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FAX: (713) 861-2909
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REVISION	TRANSITION/SIDELITES	2017 CODE UPDATE	2014 CODE UPDATE	1ST SUBMITTAL	PRINTS ISSUED FOR	REV.#	DATE
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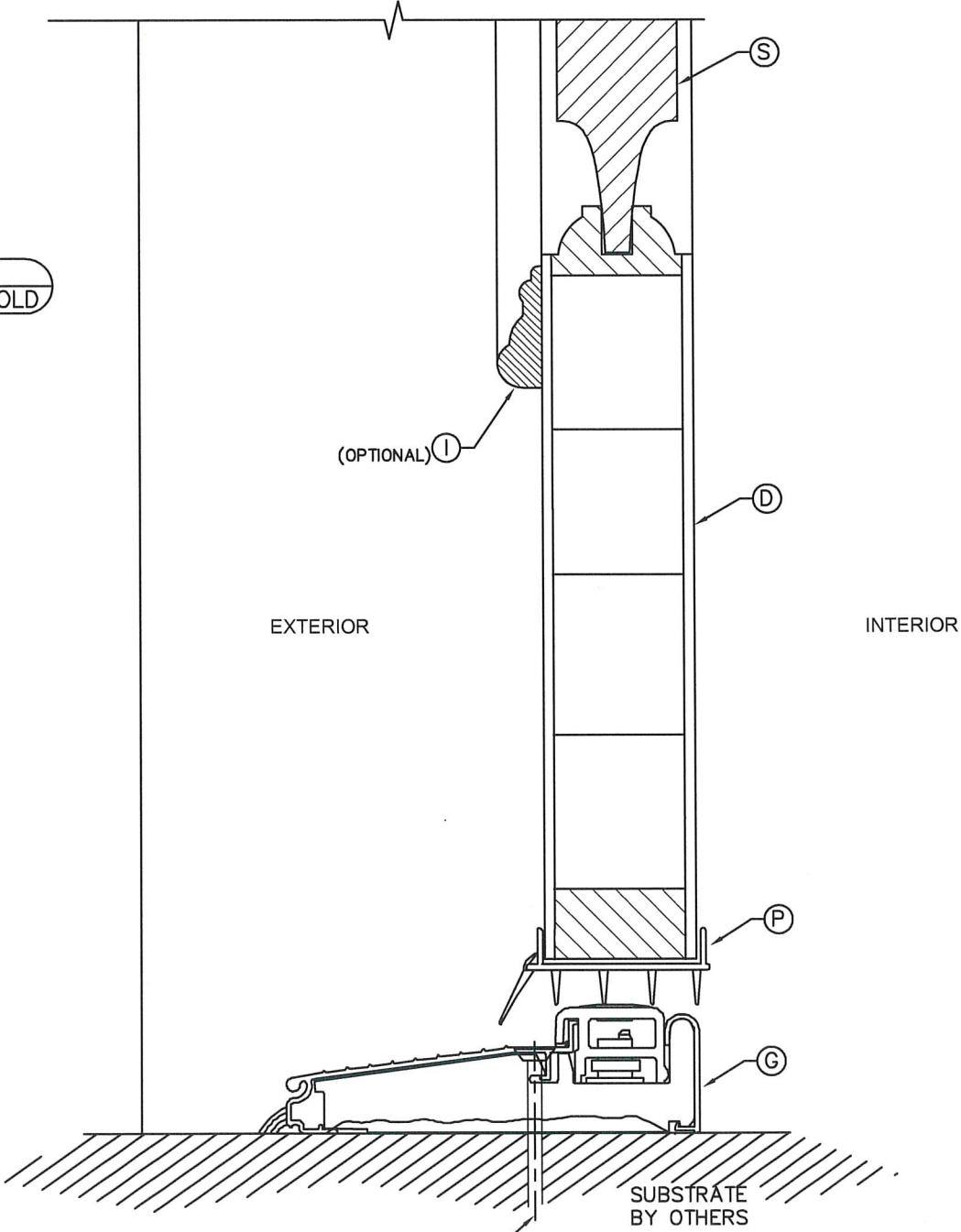
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

FRAME ANCHOR CHART			
SUBSTRATE	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
WOOD - 2x MIN. (S.G.=0.55,E=1.3x10 ⁶ psi (MIN))	#10 x 2 1/2" WOOD SCREW	1 3/8"	3/4"
CONCRETE (3000 psi MIN)	3/16" DIA. TAPCON (DIRECT OR THRU 1x WOOD BUCK)	1 1/4"	1 7/8"
GROUT-FILLED CMU (ASTM C90 MIN)	3/16" DIA. TAPCON (DIRECT OR THRU 1x WOOD BUCK)	1 1/4"	2"
STEEL/ALUMINUM (1/8" MIN. THICKNESS)	#10 F-TYPE THREAD CUTTING SCREW	FULL	1/2"

- FASTENER NOTES:
- FASTENERS AT HINGE LOCATIONS ARE ANCHORED THRU THE HINGE, REPLACING ONE OF THE STANDARD HINGE SCREWS.
 - ALL ANCHORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
 - DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
 - NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. Cd=1.6 WAS USED FOR WOOD SCREWS ONLY.



3
THRESHOLD



INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.

FASTENERS PER FRAME ANCHOR CHART.
SEE ELEVATIONS FOR LOCATIONS.

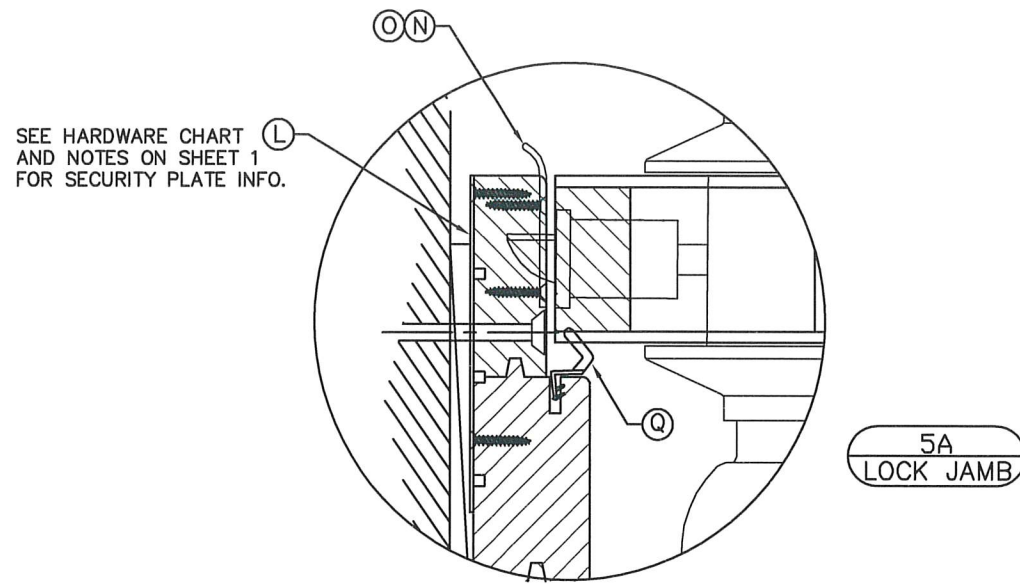
NON-IMPACT SINGLE WOOD PANEL DOOR

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FL PE# 62354

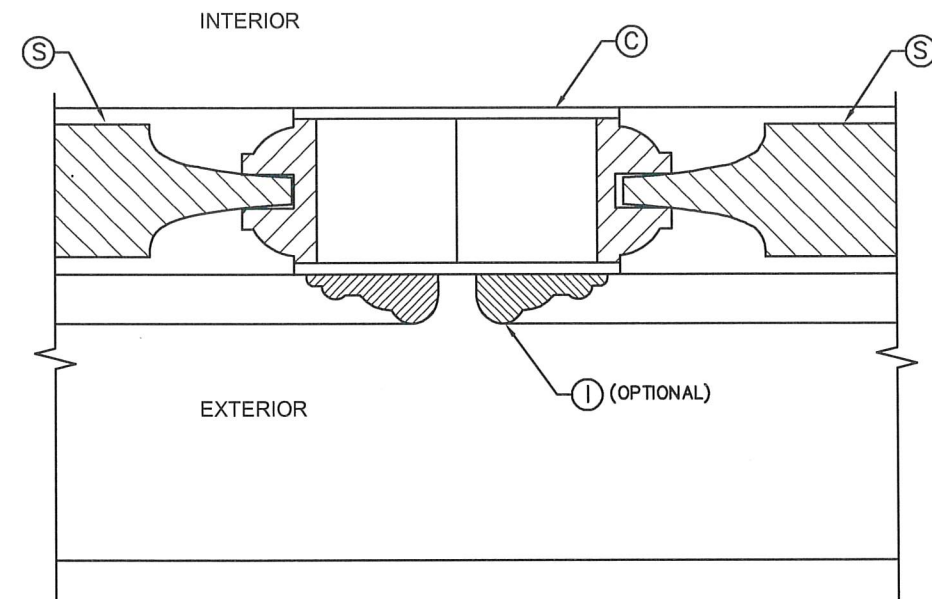
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

DWG: HWM-3
SHEET: 3/13

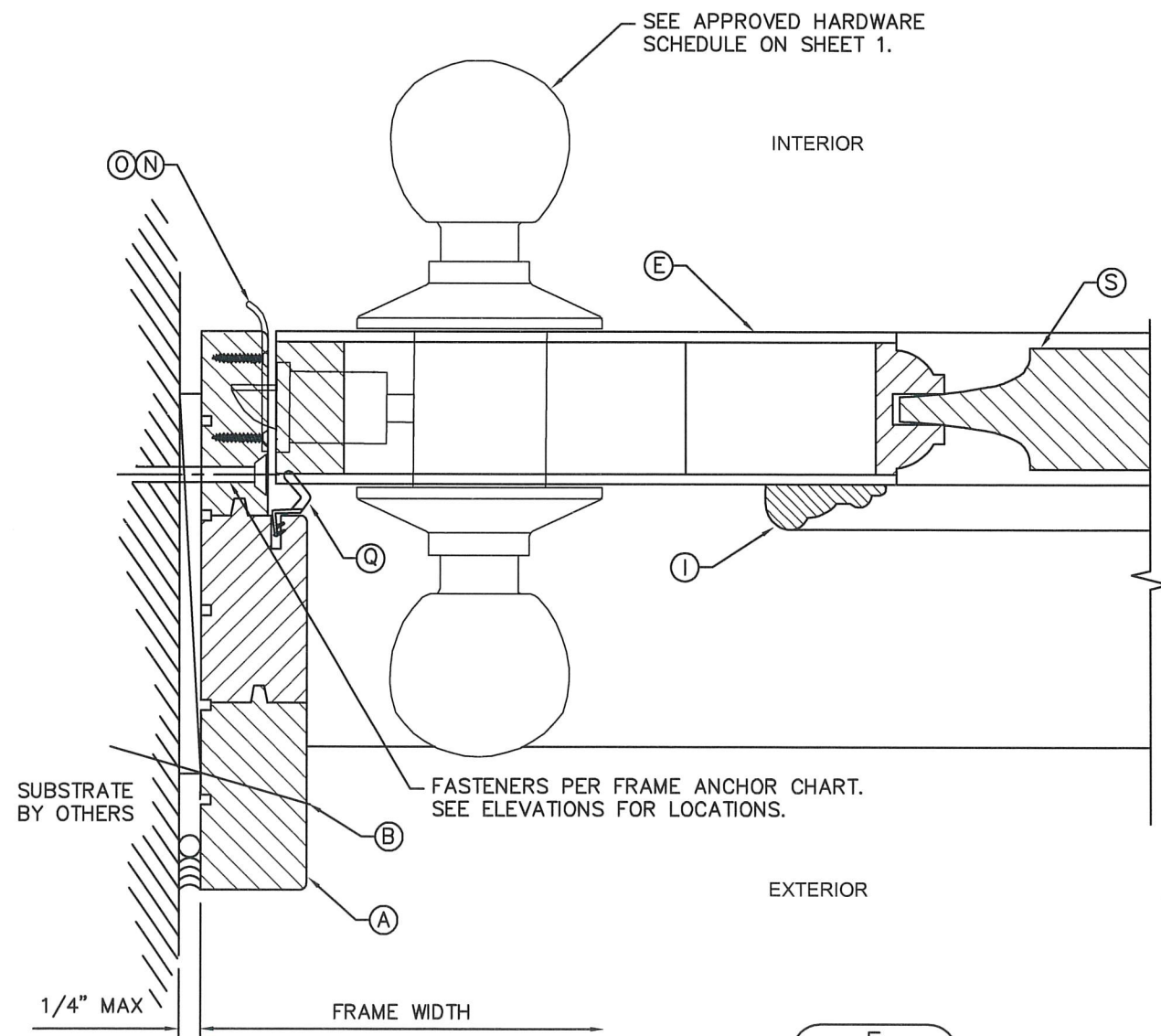


5A
LOCK JAMB

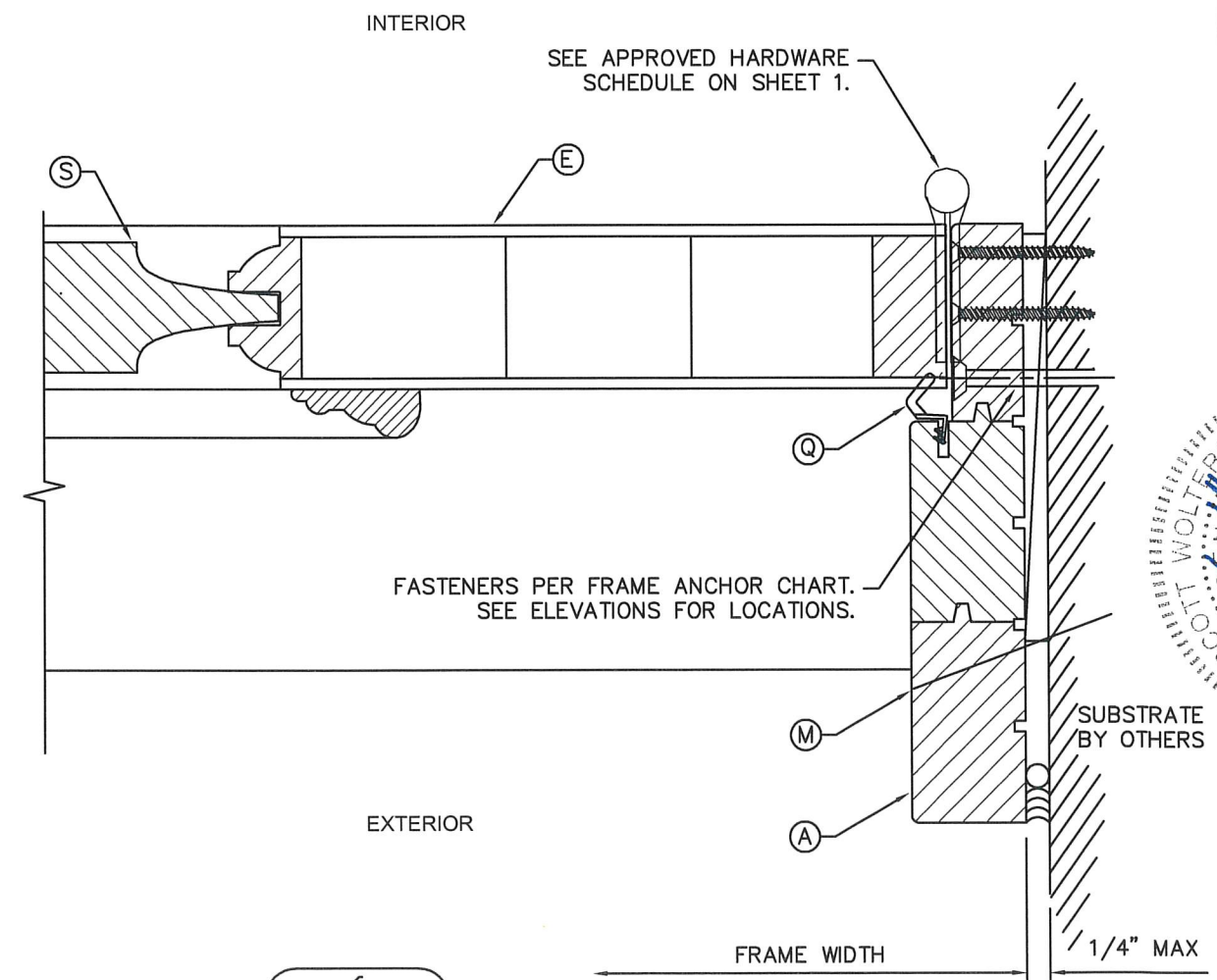
INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.



7
VERT DET



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LOCK JAMB

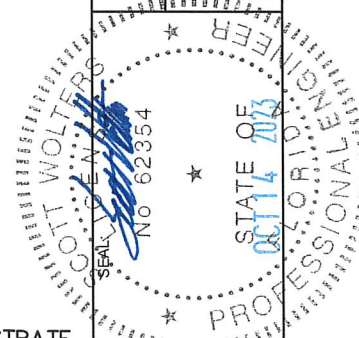


6
HINGE JAMB

NON-IMPACT SINGLE WOOD PANEL DOOR

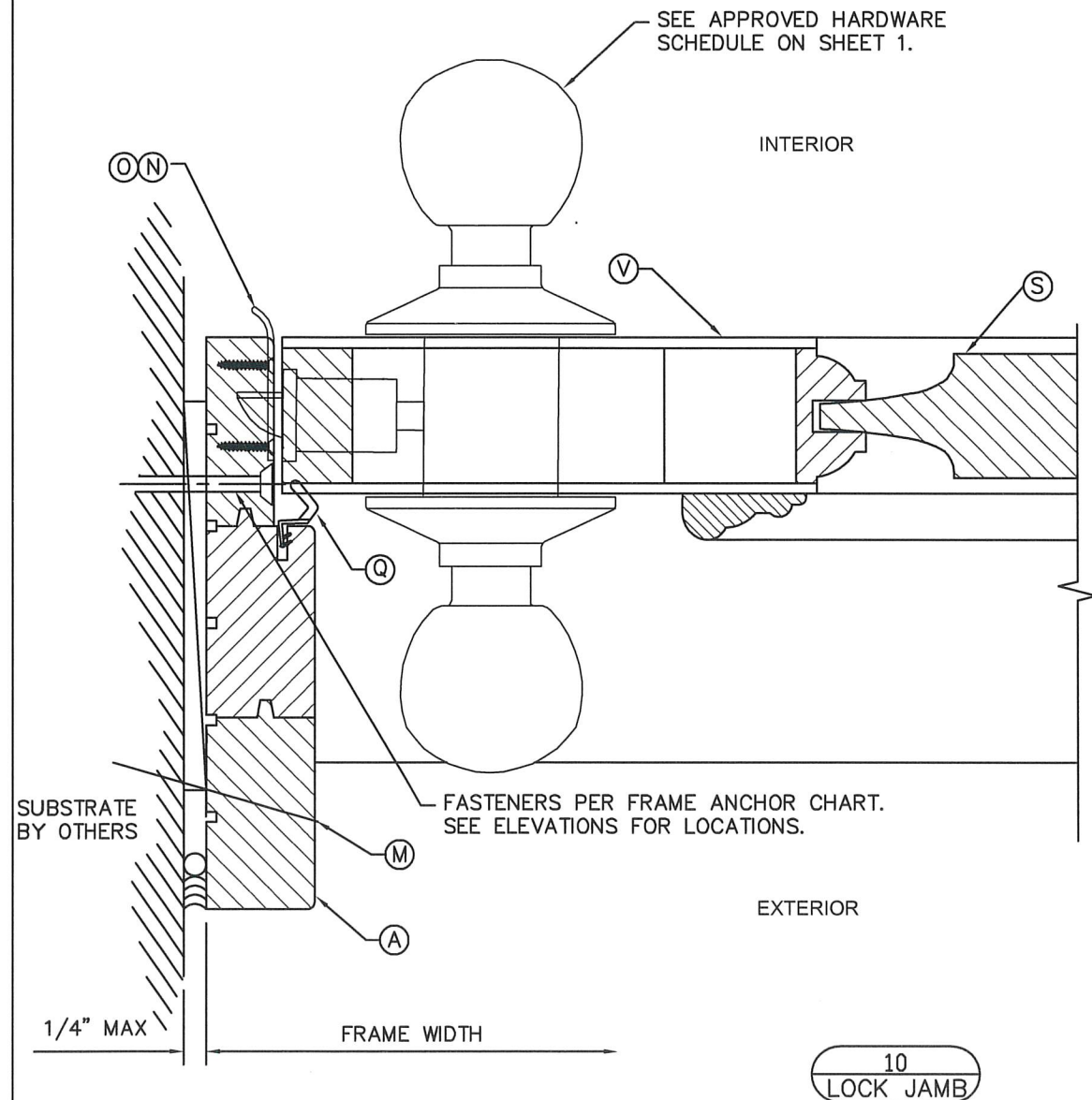
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10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064

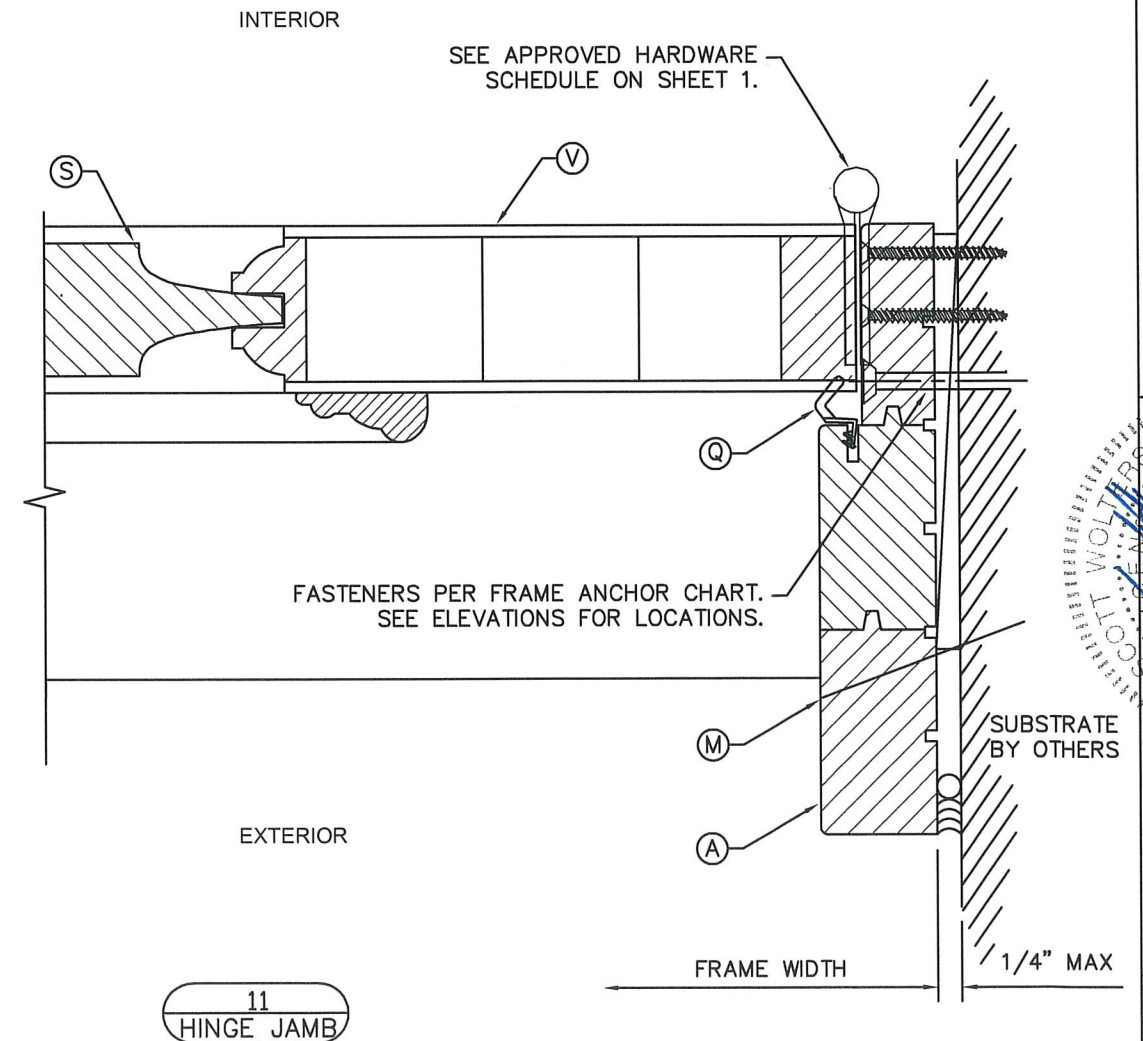


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FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.



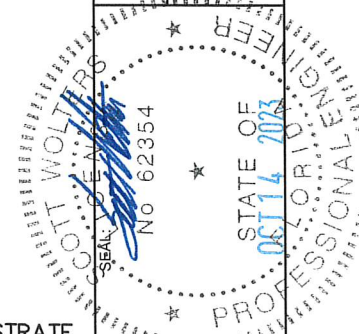
NON-IMPACT SINGLE WOOD PANEL DOOR

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HOUSTON, TX 77064
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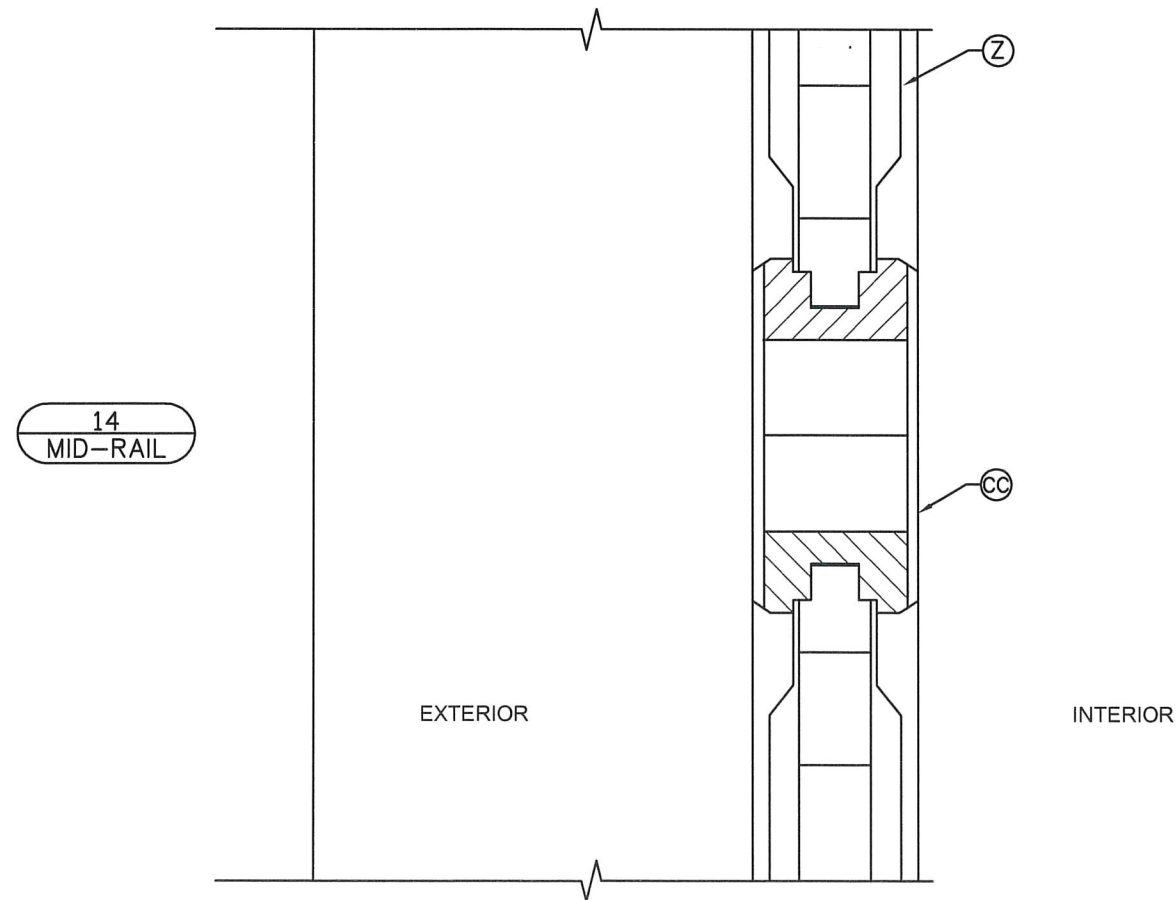
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
16211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

DWG: HWM-3
SHEET: 5/13



REV.#	ISSUED FOR	DATE
1	PRINTS	8/30/13
2	ISSUED	8/30/13
3	FOR	8/30/13
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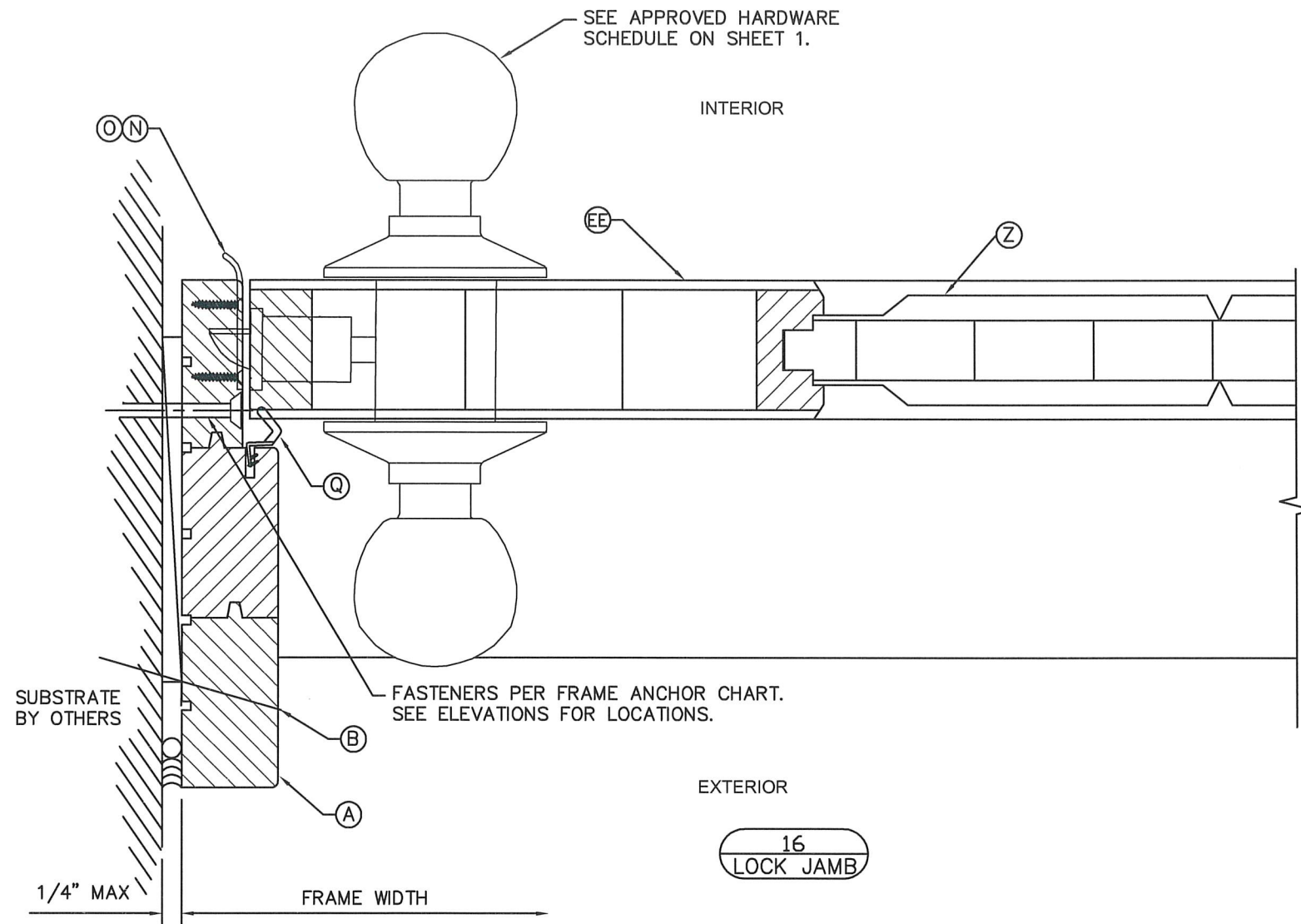


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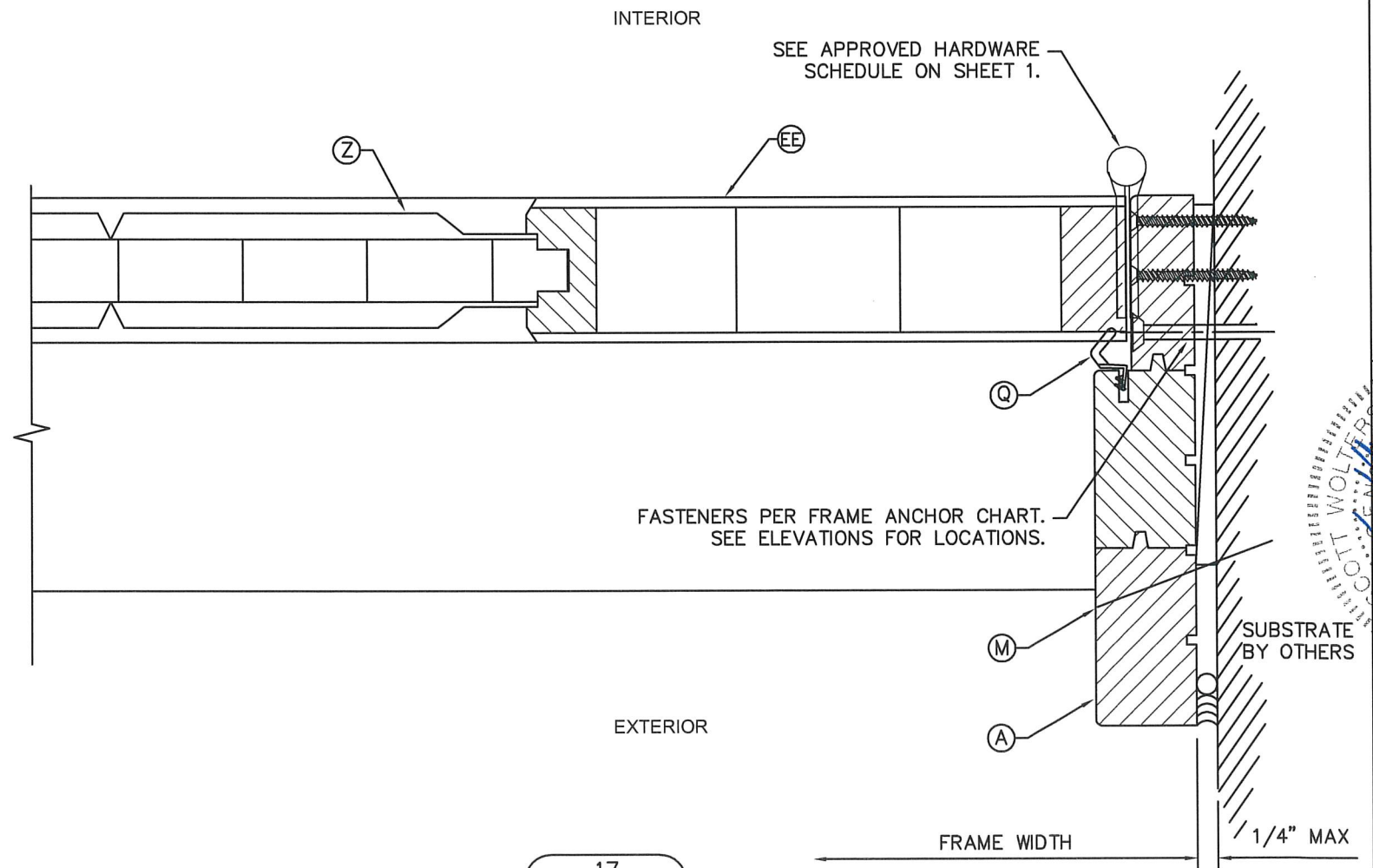
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33411
PH/FAX: (561) 225-1982

DWG:	HWM-3
SHEET:	6/13

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SIDELITES/TRANSOM 1ST SUBMITTAL		-	6/8/20 8/30/13
PRINTS ISSUED FOR		REV.#	DATE



16
LOCK JAMB



17
HINGE JAMB

NON-IMPACT SINGLE WOOD PANEL DOOR

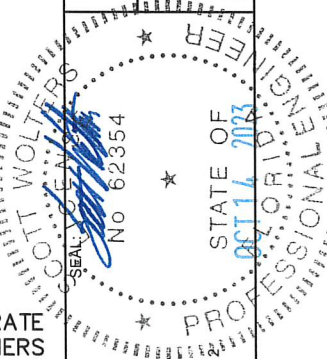
HOELSCHER WEATHERSTRIP MFG, INC.
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HOUSTON, TX 77064
PH: (713) 869-6466
FAX: (713) 861-2909
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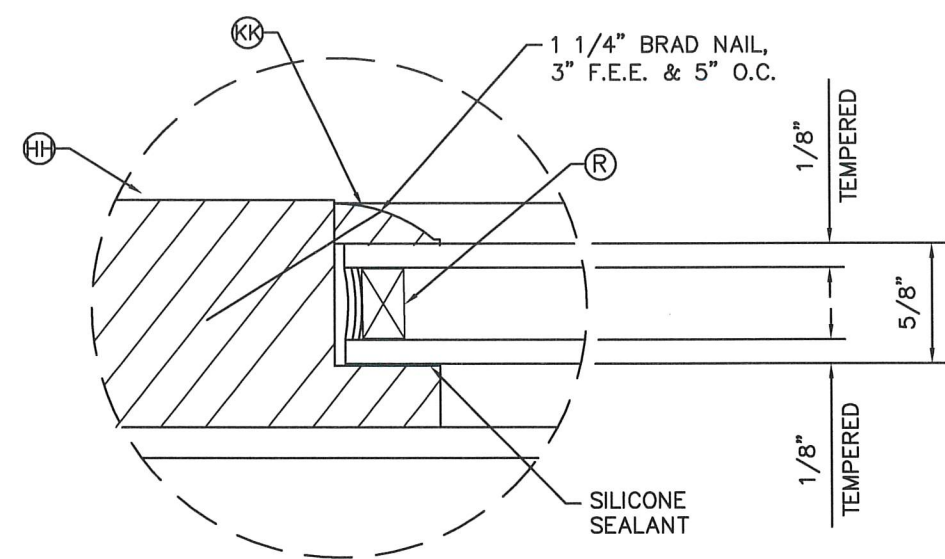
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

DWG: HWM-3
SHEET: 7/13

REV #	DATE	PRINTS ISSUED FOR
1	6/8/20	SIDELITES/TRANSOM
2	8/30/13	1ST SUBMITTAL





The image contains two technical drawings of a window frame cross-section. The left drawing is a side view showing the interior of the window. It features a multi-pane window unit (Z) set within a frame. A handle (JJ) is shown on the right side of the frame, and a hinge or latch mechanism (HH) is visible. The right drawing is a side view showing the exterior of the window. It shows the window unit (Z) from the outside, with a hinge or latch mechanism (HH) and a small circular component (GG) visible. The drawings are labeled 'INTERIOR' at the top and 'EXTERIOR' at the bottom.

INTERIOR

EXTERIOR

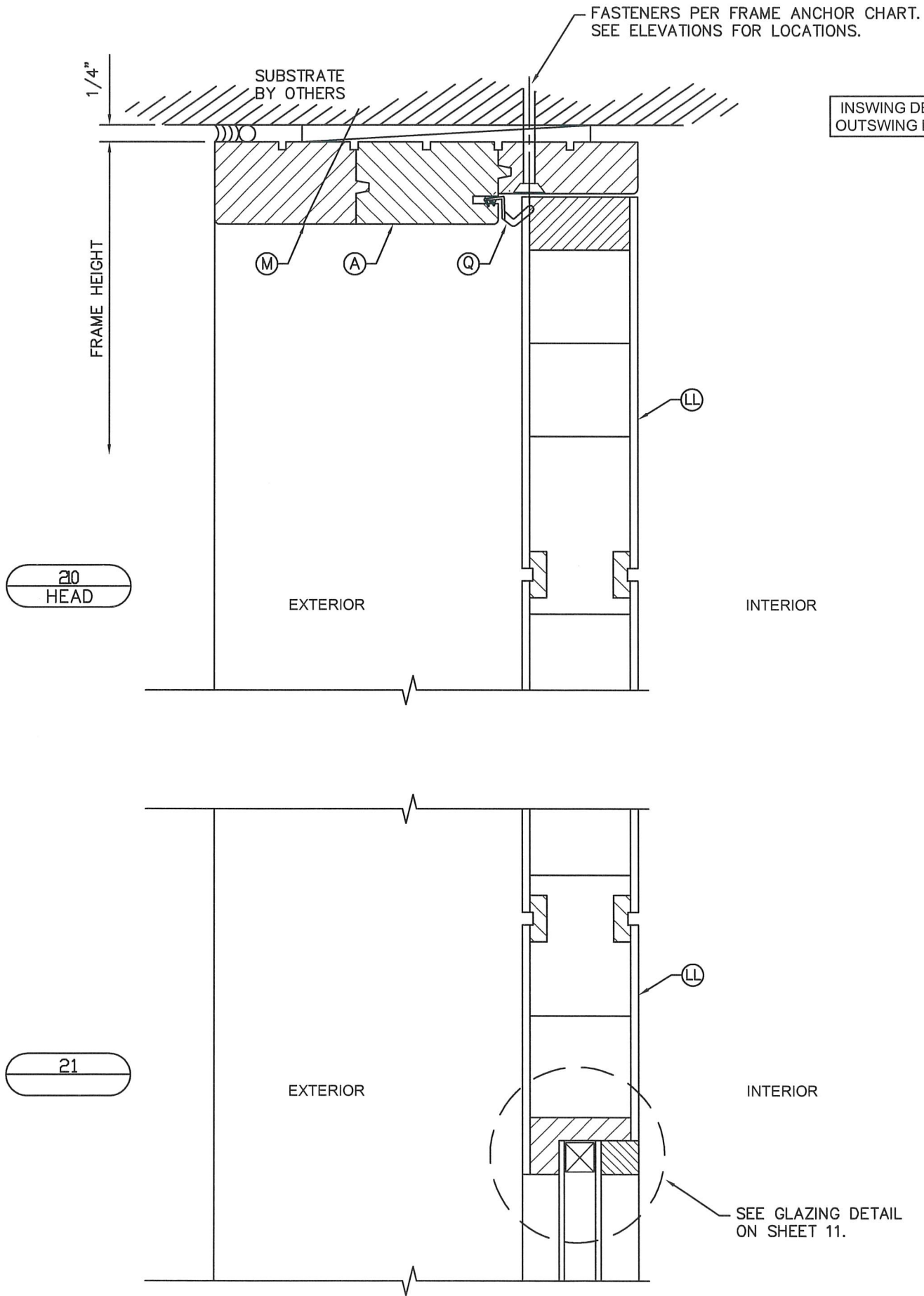
HOELSCHER WEATHERSTRIP MFG, INC.
0111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064
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SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N N
WEST PALM BEACH, FL 33411
PH/FAX: (561) 225-1981

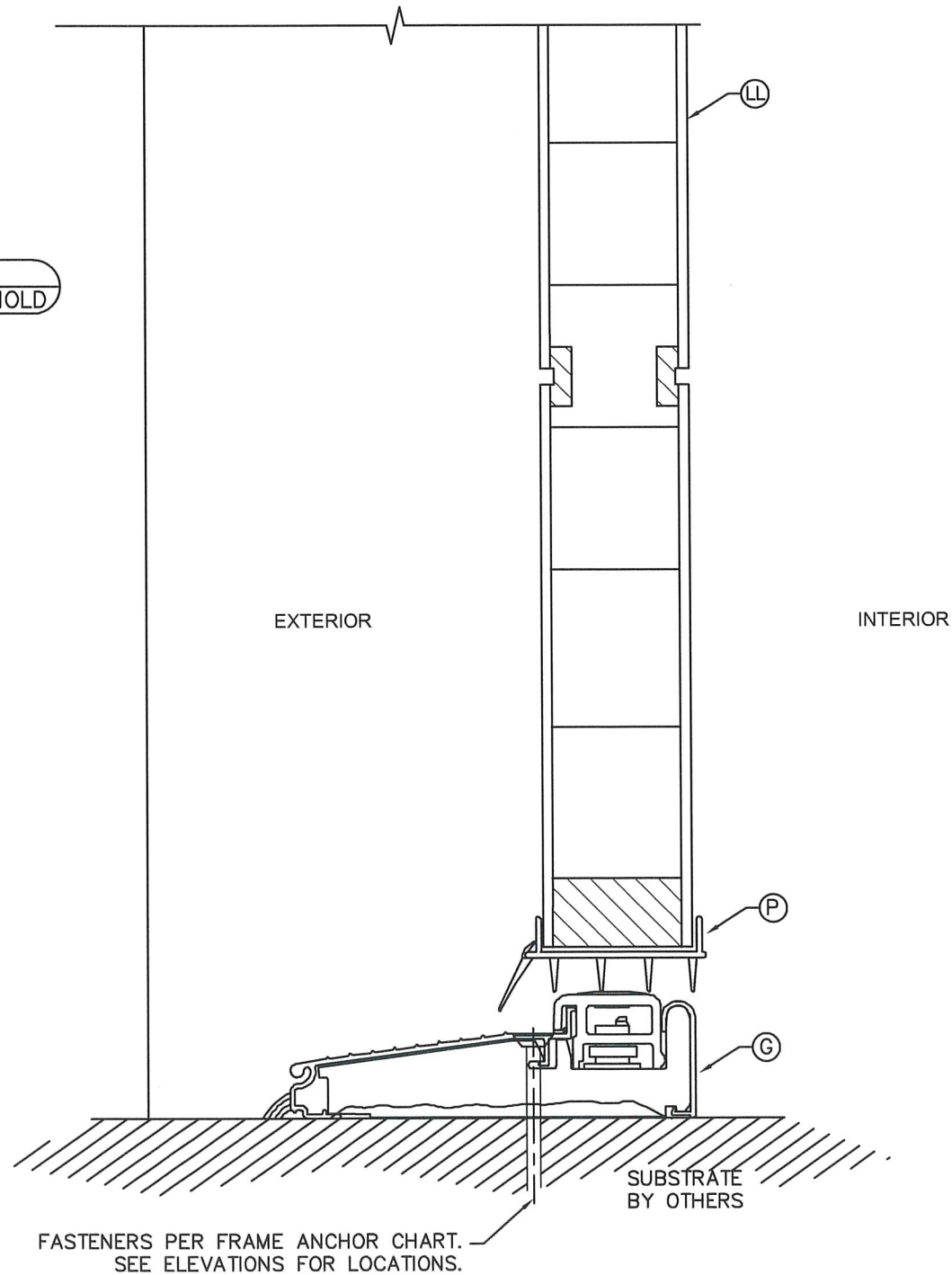
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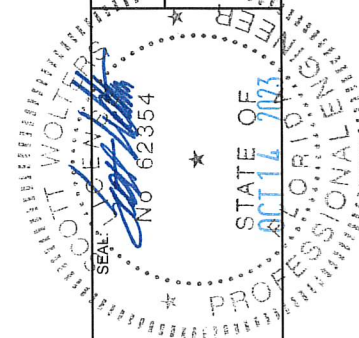


INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.

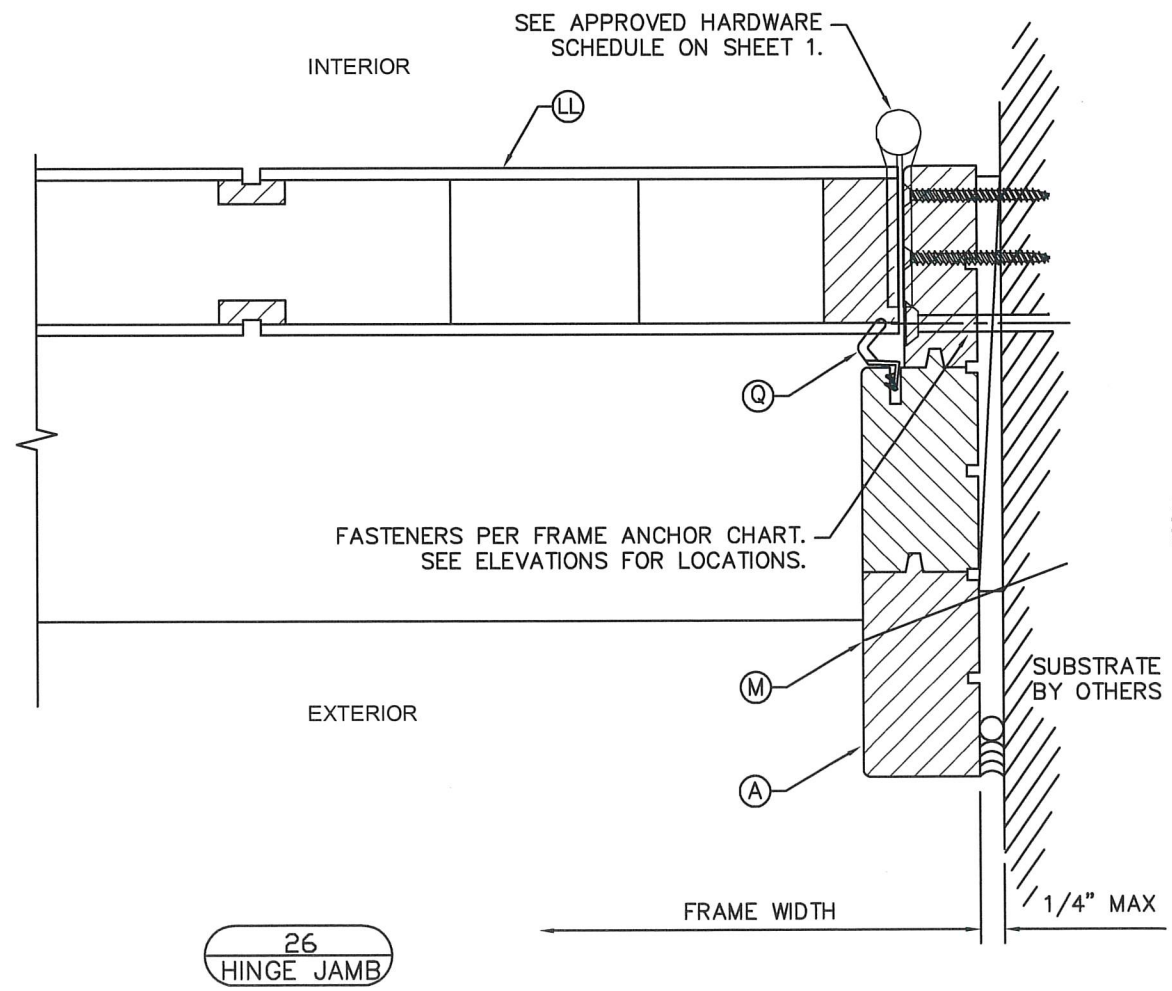
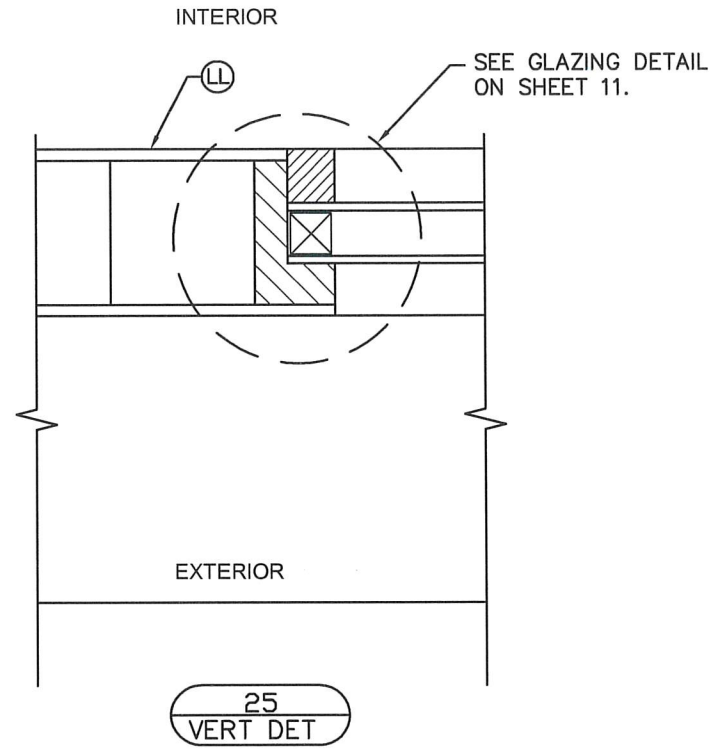
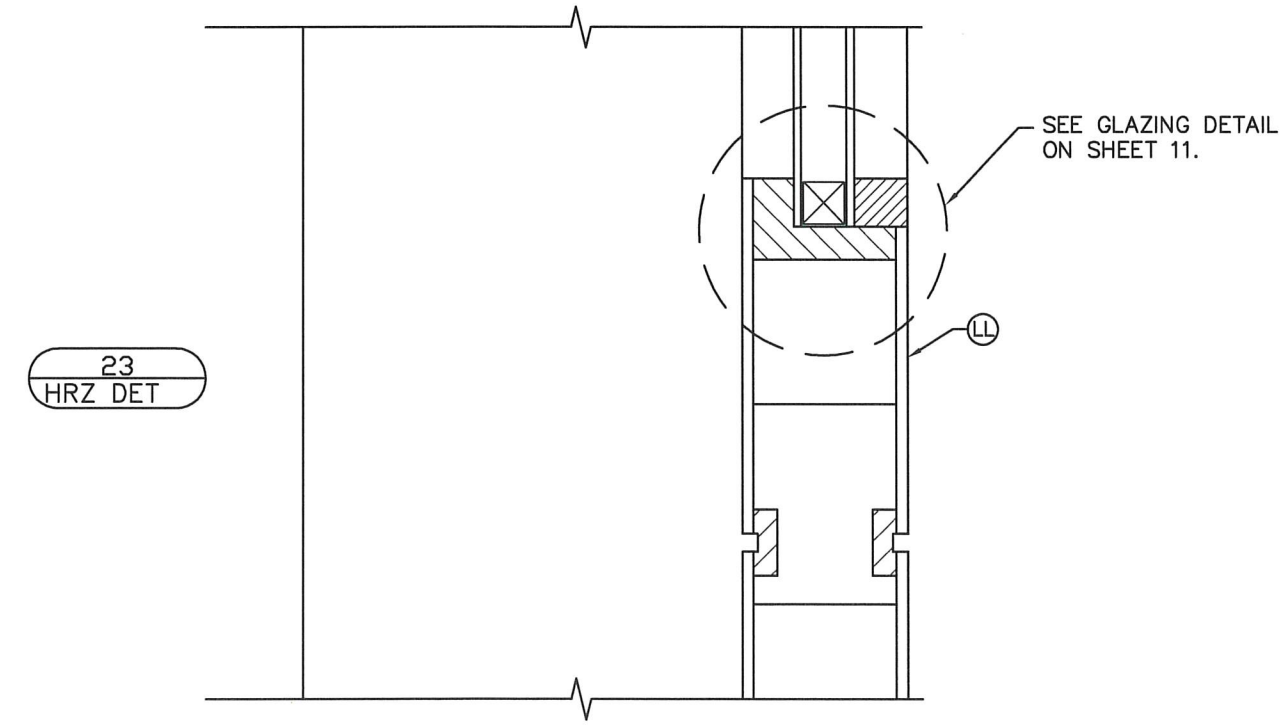
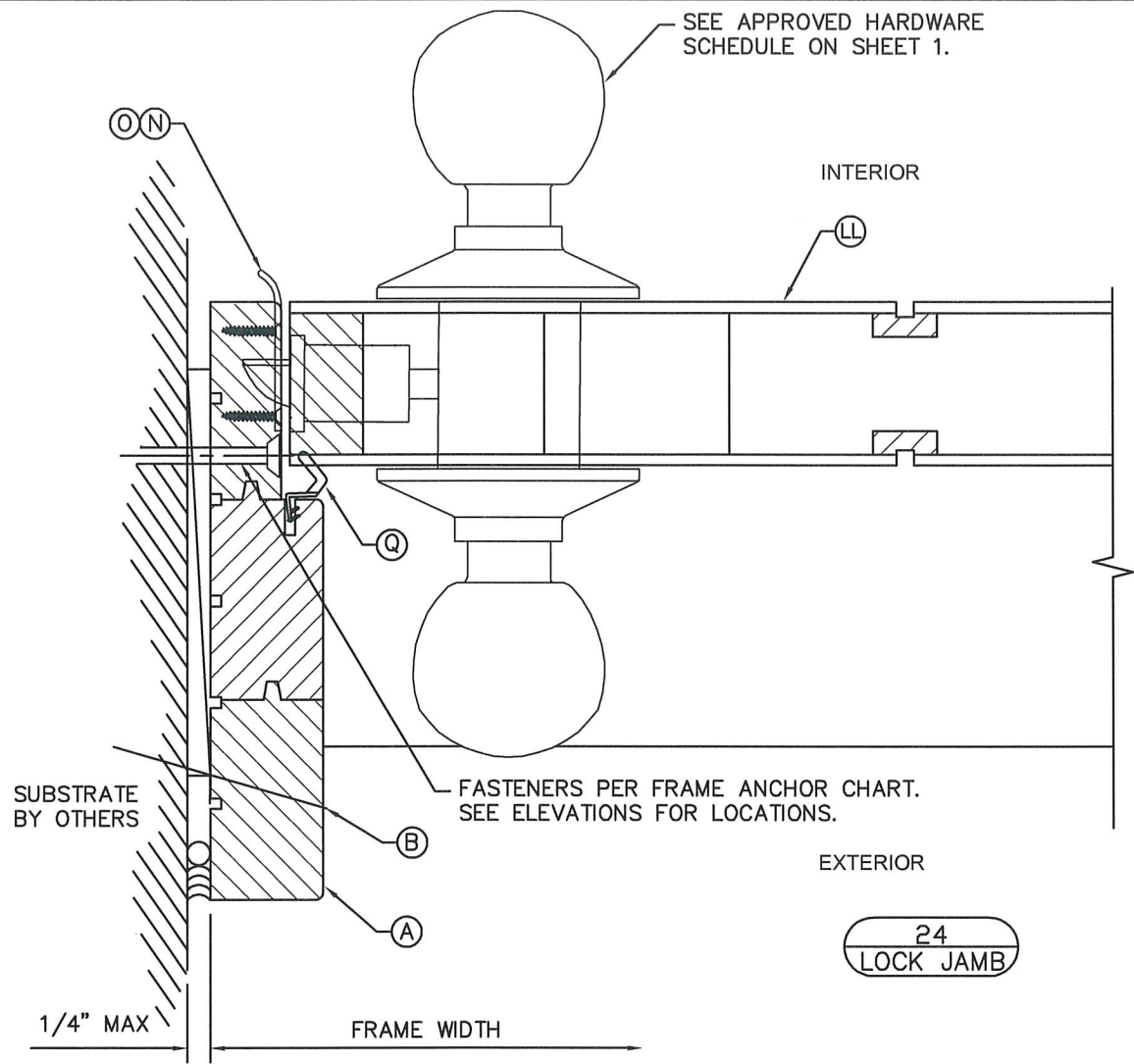
22
THRESHOLD



NON-IMPACT SINGLE WOOD PANEL DOOR		PH: (713) 869-6466	6/8/20
HOELSCHER WEATHERSTRIP MFG, INC.		FAX: (713) 861-2909	8/30/13
10111 HOUSTON OAKS DRIVE		www.hoelscherweatherstrip.com	
HOUSTON, TX 77064			
DWG: HWM-3		REV#	DATE
SHEET: 9/13			



SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1962

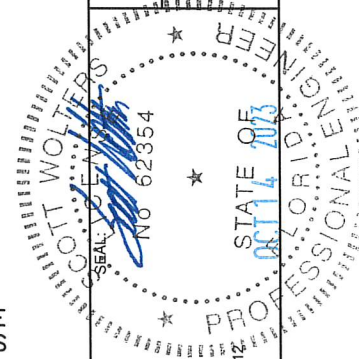


NON-IMPACT SINGLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064

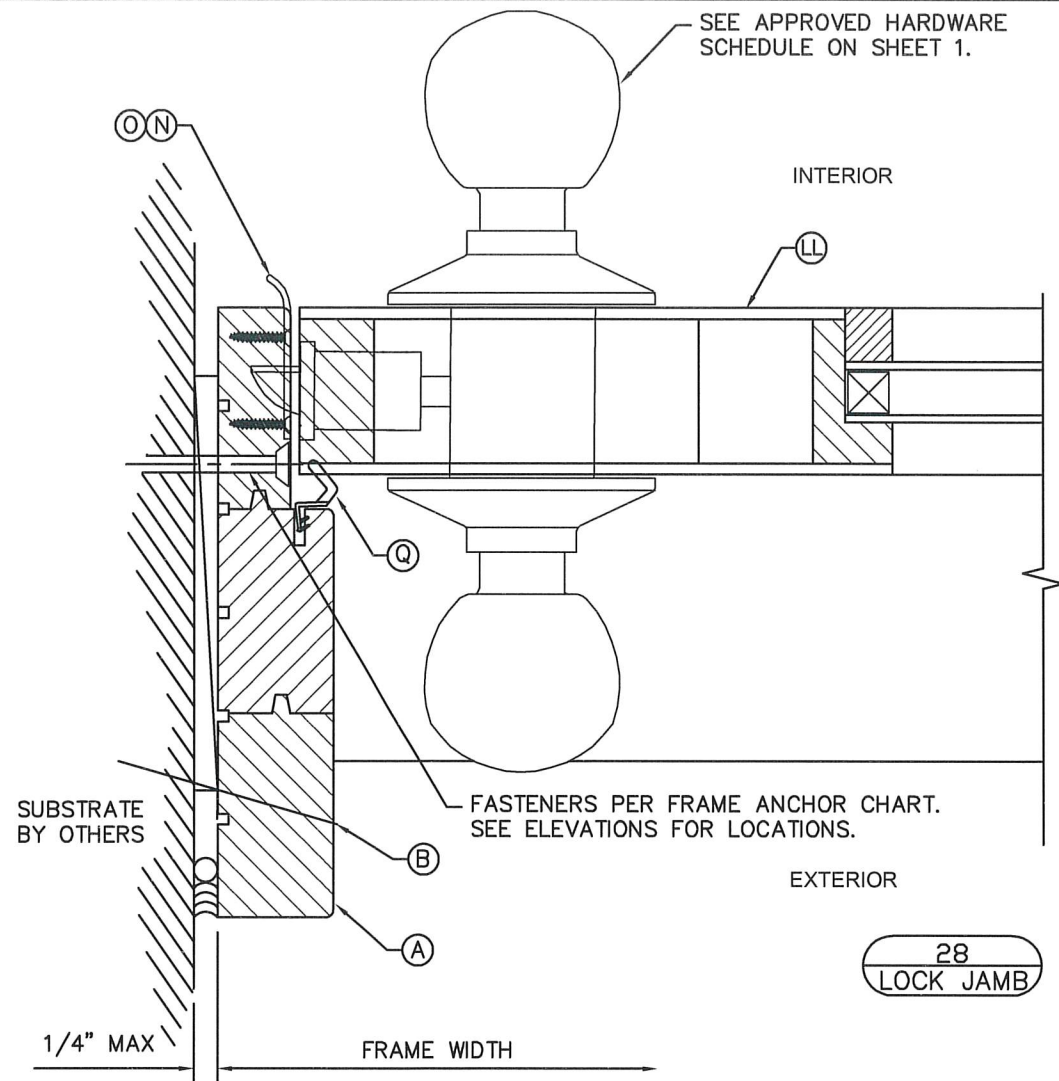
PH: (713) 869-6466
FAX: (713) 861-2909
www.hoelscherweatherstrip.com

REV.#	DATE	PRINTS ISSUED FOR
1	8/30/13	1ST SUBMITTAL
2	6/8/20	SIDELITES/TRANSDIM

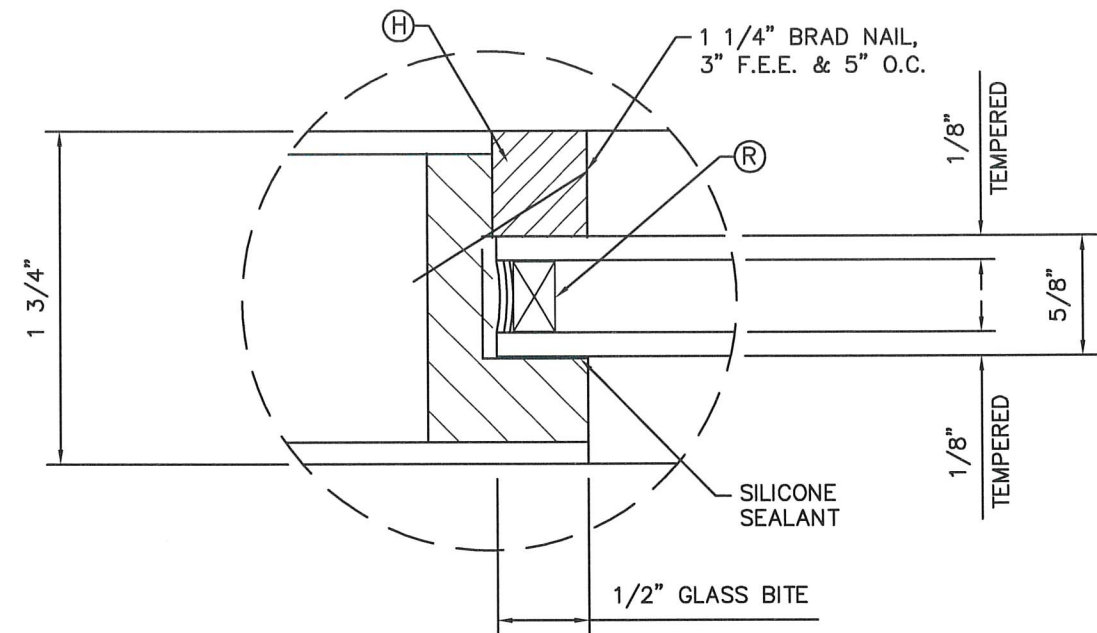


SCOTT WOLTERS
FL PE# 62354

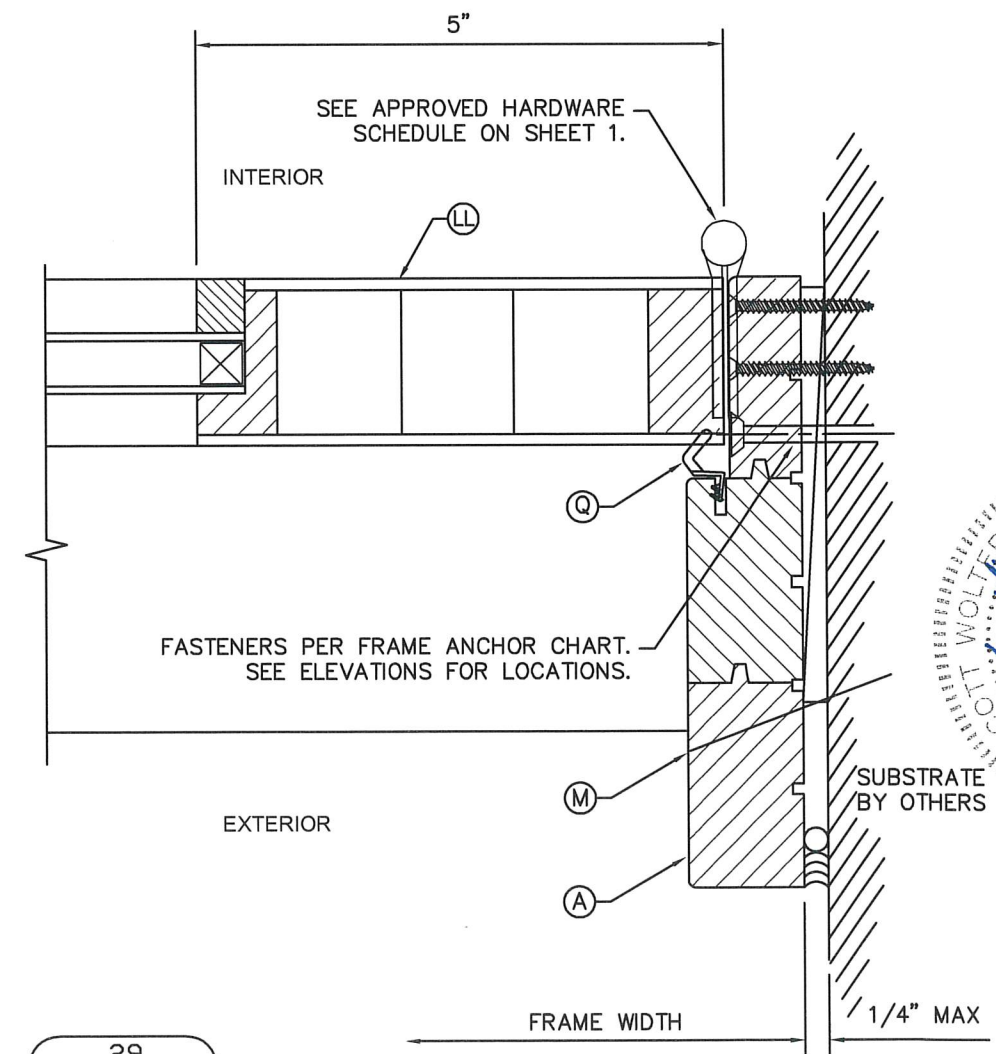
WOLTERS ENGINEERING
(COAR# 27194)
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WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982



28
LOCK JAMB



GLAZING DETAIL



29
HINGE JAMB

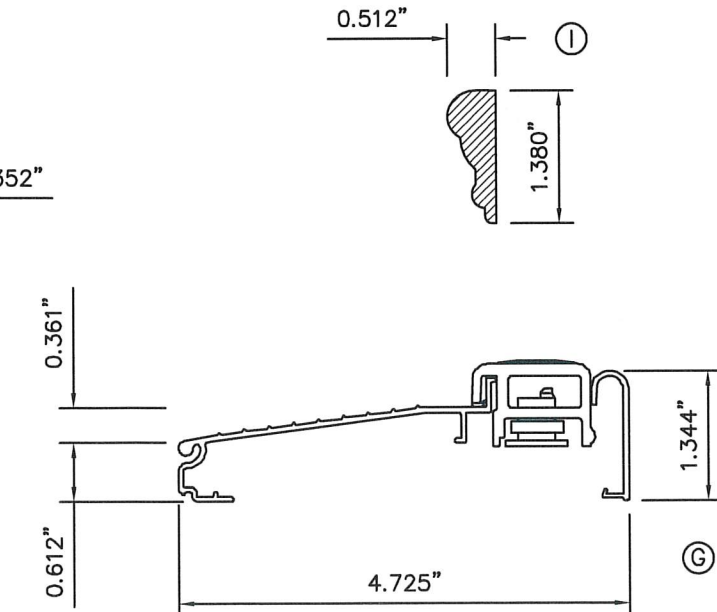
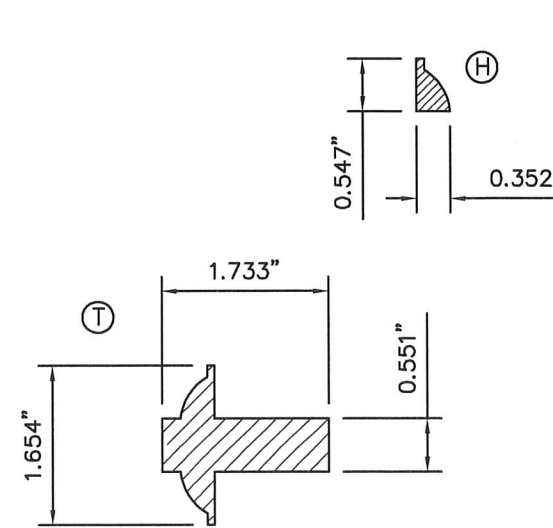
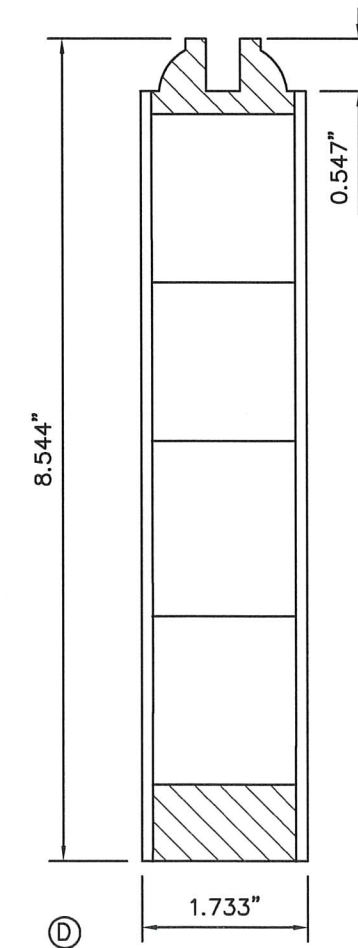
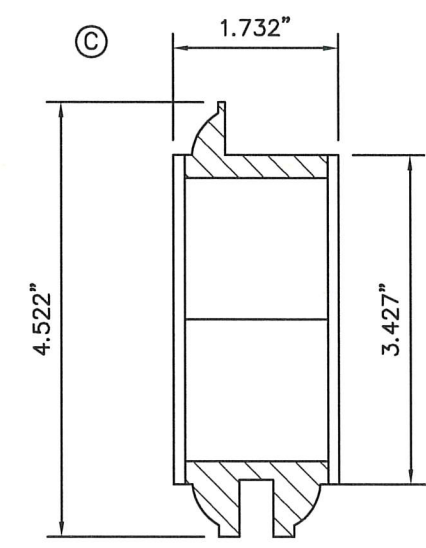
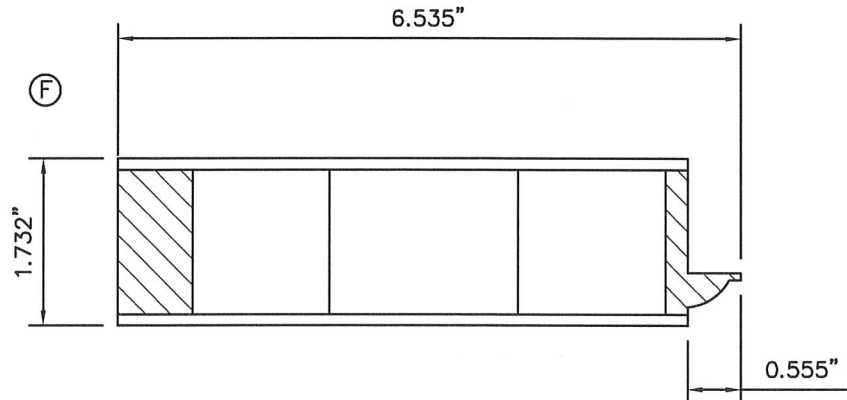
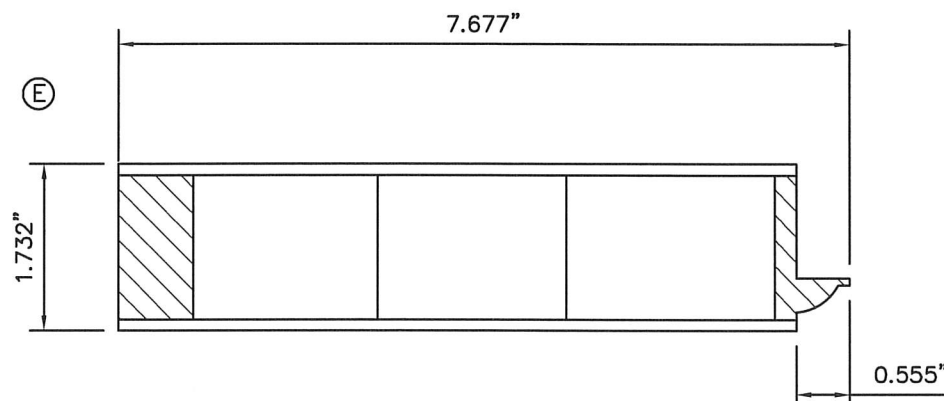
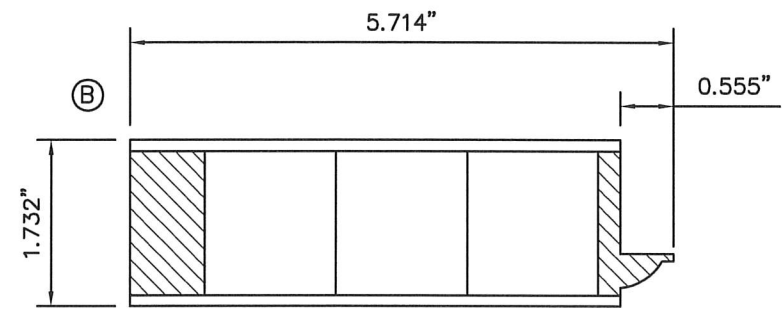
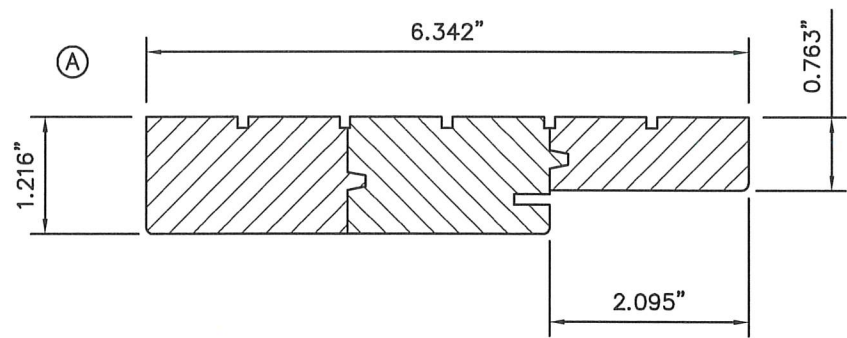
NON-IMPACT SINGLE WOOD PANEL DOOR		PH: (713) 869-6466	6/8/20
HOELSCHER WEATHERSTRIP MFG, INC.		FAX: (713) 861-2909	8/30/13
10111 HOUSTON OAKS DRIVE		www.hoelscherweatherstrip.com	REV#
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SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1962

STATE OF FLORIDA
PROFESSIONAL ENGINEER

DWG: HWM-3
SHEET: 11/13



BILL OF MATERIALS				
MARK	PART DESCRIPTION	MATERIAL	MANUFACTURER	NOTES
A	FRAME HEAD/JAMB	FINGER JOINTED PINE (OR EQUAL)	HOELSCHER	S.G.=0.55, E=1.3x10 ⁶ psi (MIN)
B	TOP RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
C	MID-RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
D	BOTTOM RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
E	STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
F	STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
G	THRESHOLD	ALUMINUM		
H	GLAZING ADAPTOR	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
I	FLAT RAISED TRIM	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
J	HINGE		SGS HARDWARE	SEE HARDWARE SCHEDULE
K	LOCK		SCHLAGE/KWIKSET	SEE HARDWARE SCHEDULE
L	SECURITY PLATE	STEEL	ENDURA	SEE HARDWARE SCHEDULE
M	NAIL	STEEL		
N	LOCK STRIKE	STEEL	SCHLAGE/KWIKSET	SEE HARDWARE SCHEDULE
O	LATCH STRIKE	STEEL	SCHLAGE/KWIKSET	SEE HARDWARE SCHEDULE
P	BOTTOM DOOR WEATHERING	NEOPRENE		
Q	WEATHERSTRIP	NEOPRENE		
R	ALUMINUM SPACER	ALUMINUM	CARDINAL IG	
S	WOOD PANEL	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
T	MUTIN	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
U	RAIL/STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
V	STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
W	THRESHOLD	ALUMINUM		
X	BOTTOM RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
Z	WOOD PANEL	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
BB	TOP RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
CC	MID-RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
DD	BOTTOM RAIL	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
EE	STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
FF	STILE	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
GG	SPEAK-EASY HINGE	STEEL		
HH	SPEAK-EASY FRAME	MAHOGANY OR KNOTTY ALDER*	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
JJ	SPEAK-EASY LATCH	STEEL		
KK	GLAZING ADAPTOR	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)
LL	FLUSH WOOD PANEL	MAHOGANY OR KNOTTY ALDER	HOELSCHER	S.G.=0.47, E=1.38x10 ⁶ psi (MIN)

* DOOR STILES AND RAILS ARE CONSTRUCTED FROM MAHOGANY OR KNOTTY ALDER VENEERS GLUED TO MERANTI TIMBER CORES USING D4 TYPE EPI ADHESIVE.

NON-IMPACT SINGLE WOOD PANEL DOOR

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FAX: (713) 861-2909

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10111 HOUSTON OAKS DRIVE

HOUSTON, TX 77064

SCOTT WOLTERS

FL PE# 62354

WOLTERS ENGINEERING

(COA# 27194)

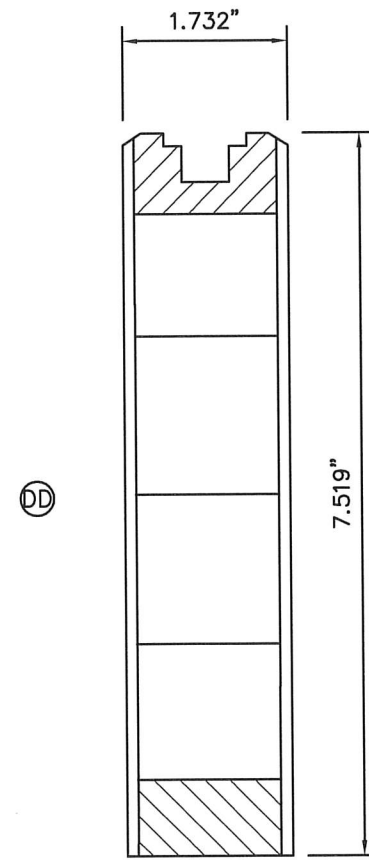
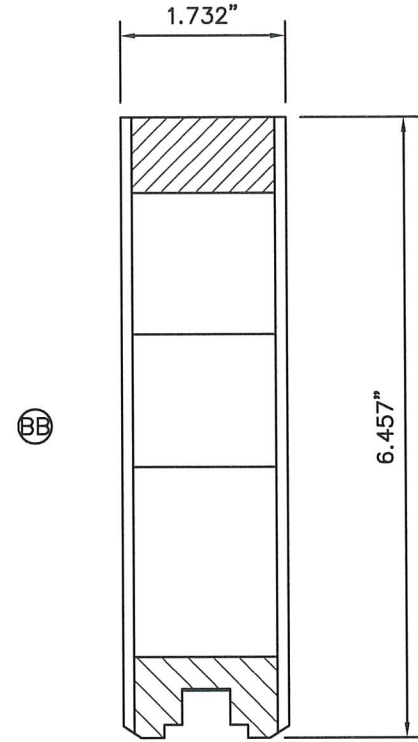
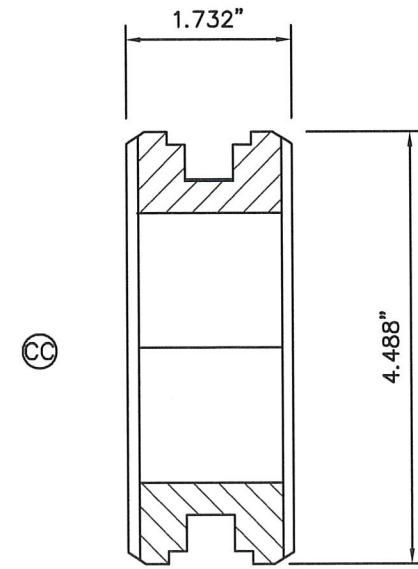
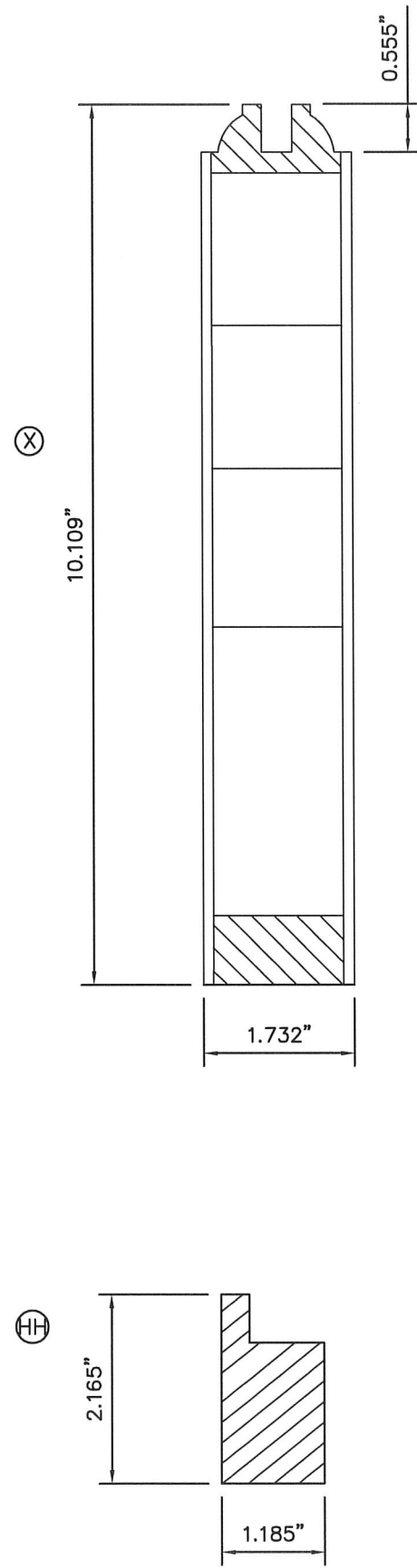
15211 97TH ROAD N

WEST PALM BEACH, FL 33412

PH/FAX: (561) 225-1982

DWG: HWM-3

SHEET: 12/13



DWG:	HWM-3
SHEET:	13/13

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33411
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NON-IMPACT SINGLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
HOUSTON TX 77064

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1ST SUBMITTAL	-	6/8/20
PRINTS ISSUED FOR	-	8/30/13
REV.#	-	DATE