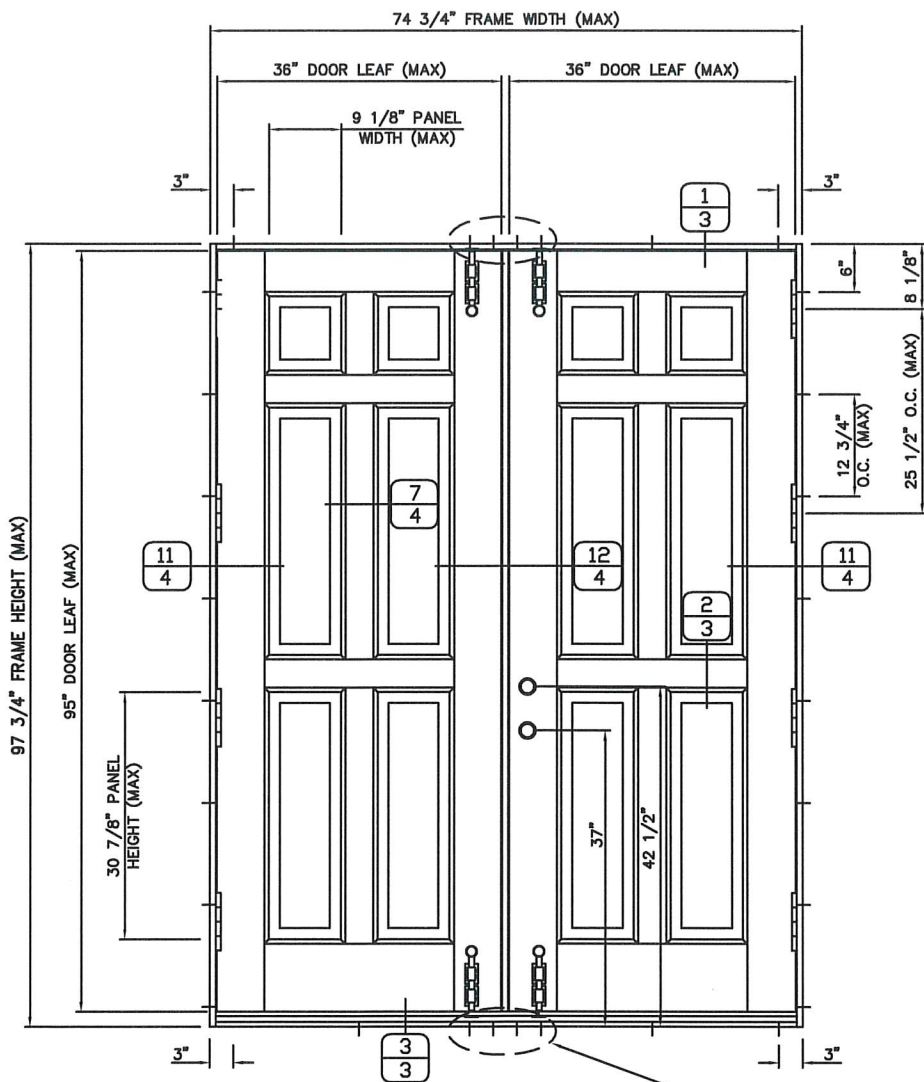
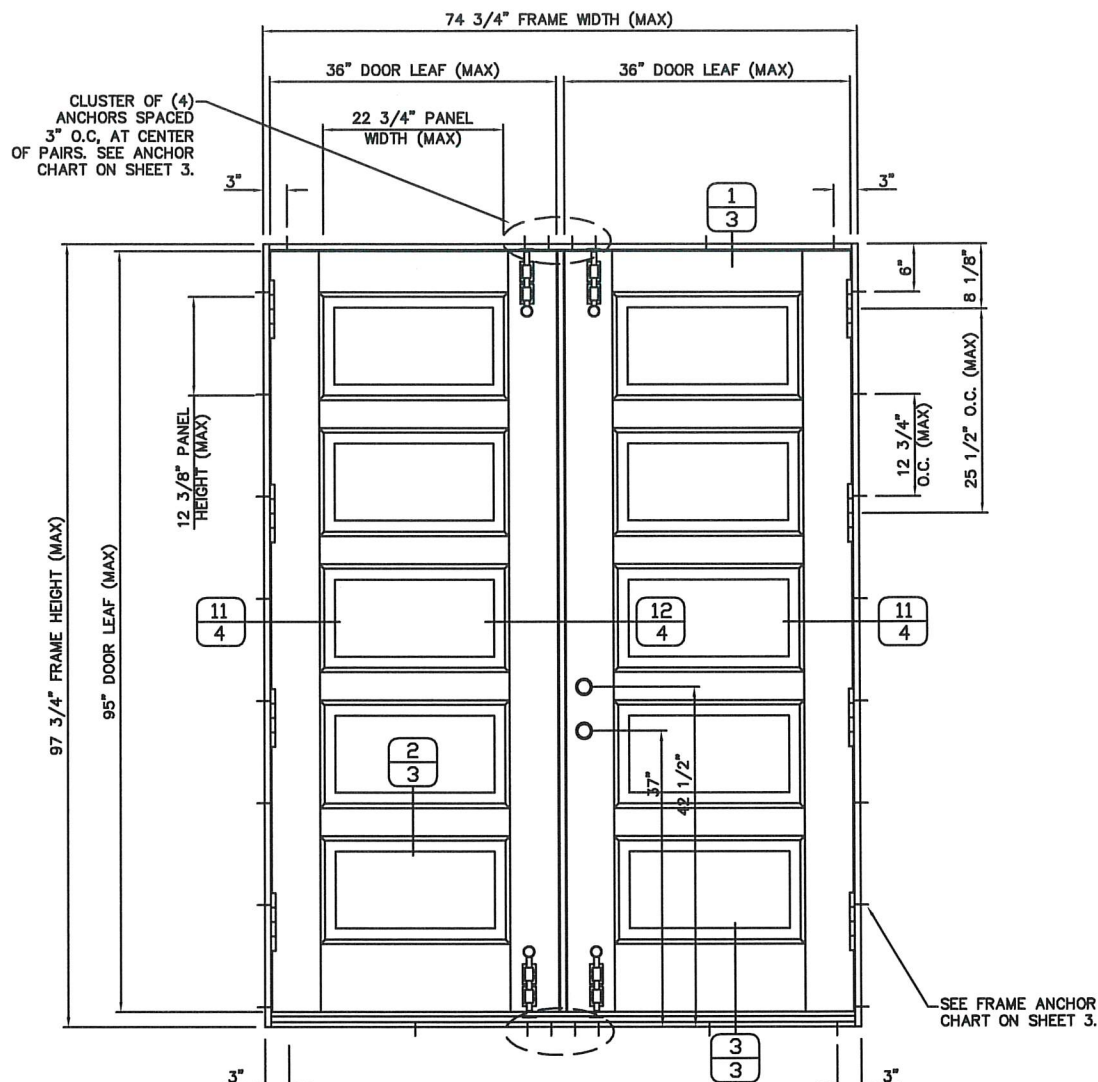




STANDARD RAISED PANEL DOOR
(INTERIOR VIEW)



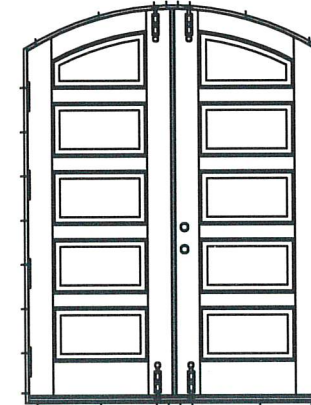
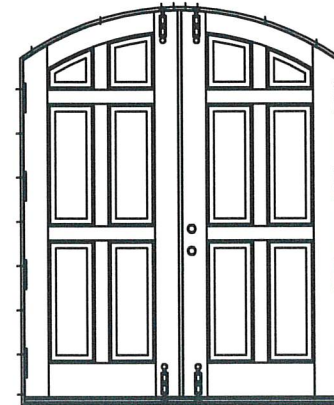
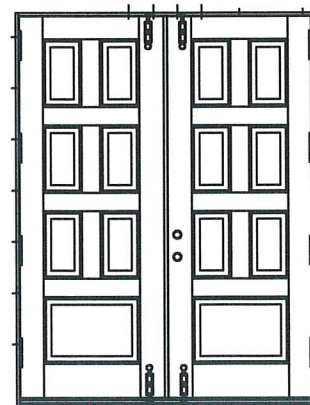
STANDARD RAISED PANEL DOOR
(INTERIOR VIEW)

MAXIMUM DESIGN
PRESSURE
+/- 60.15 PSF

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, FOR USE OUTSIDE 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. Cd=1.6 WAS USED FOR WOOD SCREWS ONLY.

OTHER APPROVED SHAPES:



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.

ASTRAGAL: ASTRAGAL IS FASTENED TO INACTIVE DOOR LEAF WITH 16 Ga. FINISH NAILS, 12" O.C., WITH A CLUSTER OF (6) NAILS AT FLUSH BOLTS.

HARDWARE SCHEDULE:

LOCKS: KWIKSET 800CE OR SCHLAGE F58 LOCKSET. DEADBOLT AND DEADLATCH ARE FASTENED TO ACTIVE DOOR LOCK STILE WITH (2) #8 x 5/8" WOOD SCREWS.

STRIKE PLATES: THE DEADBOLT AND DEADLATCH STRIKE PLATES ARE ATTACHED TO THE ASTRAGAL WITH (2) #8 x 2" WOOD SCREWS.

FLUSH BOLTS: CAL-ROYAL ULFB634 FLUSH BOLT. THE FLUSH BOLTS ARE ATTACHED AT TOP AND BOTTOM OF THE ASTRAGAL WITH (4) #8 x 3/4" WOOD SCREWS. A STRIKE PLATE IS ATTACHED AT THE HEAD WITH (2) #8 x 3" WOOD SCREWS.

SURFACE BOLTS: DELTANA 12SB26D SURFACE BOLT AT TOP AND BOTTOM OF BOTH ACTIVE AND INACTIVE DOOR LEAF. EACH SURFACE BOLT IS CAPTURED BY (2) SLEEVES FASTENED WITH (4) #8 x 1 1/4" WOOD SCREWS. STRIKE PLATES ARE ATTACHED AT THE HEAD WITH (3) #6 x 2" WOOD SCREWS.

HINGES: SGS 158 SERIES 5 BARREL BUTT HINGE, (4) PER LEAF. HINGES ARE FASTENED TO DOOR WITH (2) #10 x 1" AND (2) #10 x 3" WOOD SCREWS, AND FASTENED TO THE FRAME WITH (2) #10 x 1" AND (2) #10x2 1/2" WOOD SCREWS.

SWING: DOORS MAY BE INSTALLED AS INSWING OR OUTSWING.

NON-IMPACT DOUBLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.

10111 HOUSTON OAKS DRIVE

HOUSTON, TX 77064

PH: (713) 869-6466

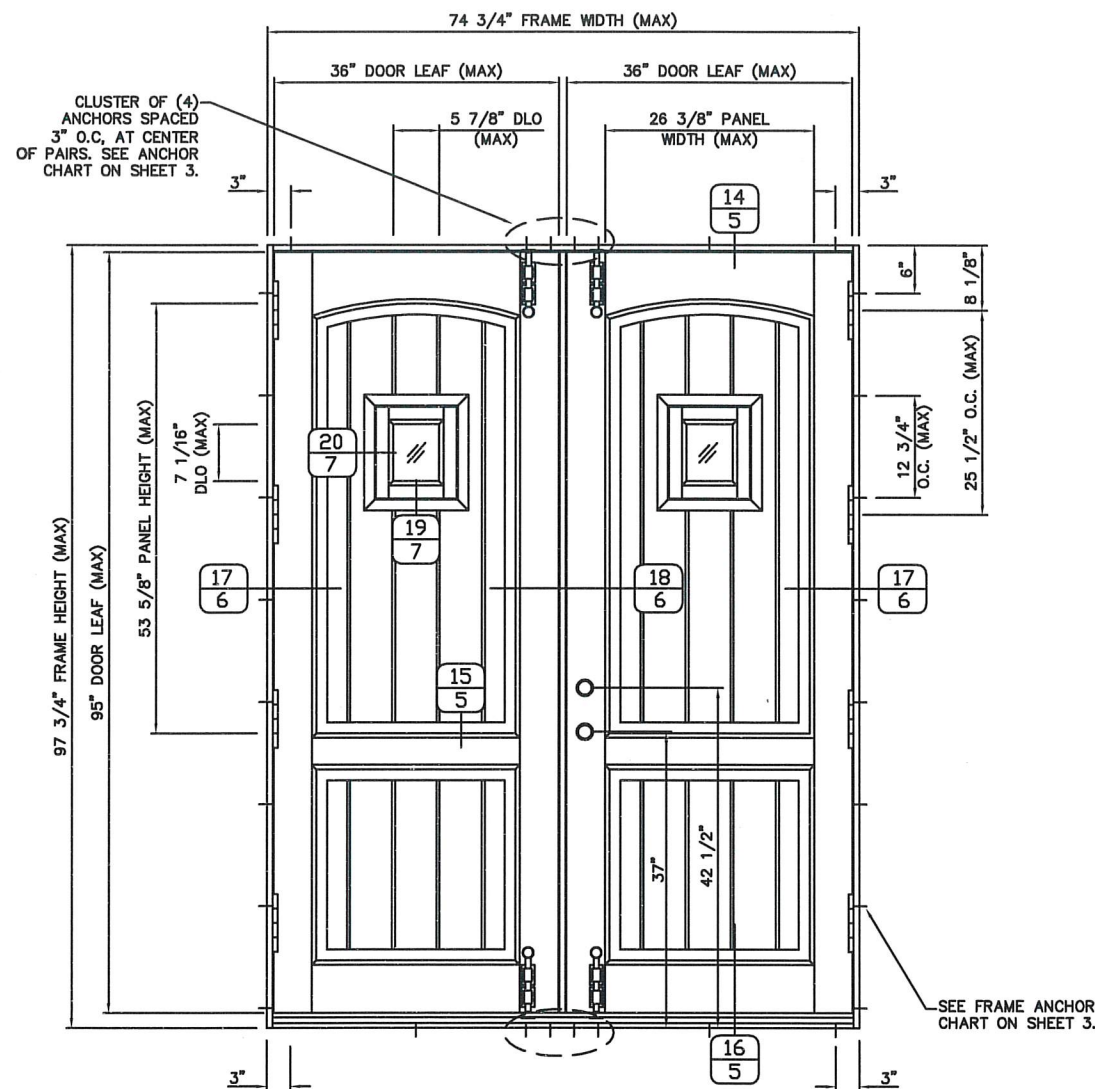
FAX: (713) 861-2909

www.hoelscherweatherstrip.com

REV.#	ISSUED FOR	PRINTS	DATE
1	2023 CODE UPDATE	1	10/14/23
2	REVISION	1	8/13/21
3	2017 CODE UPDATE	1	4/18/19
4	2014 CODE UPDATE	1	8/31/15
5	1ST SUBMITTAL	1	9/4/13

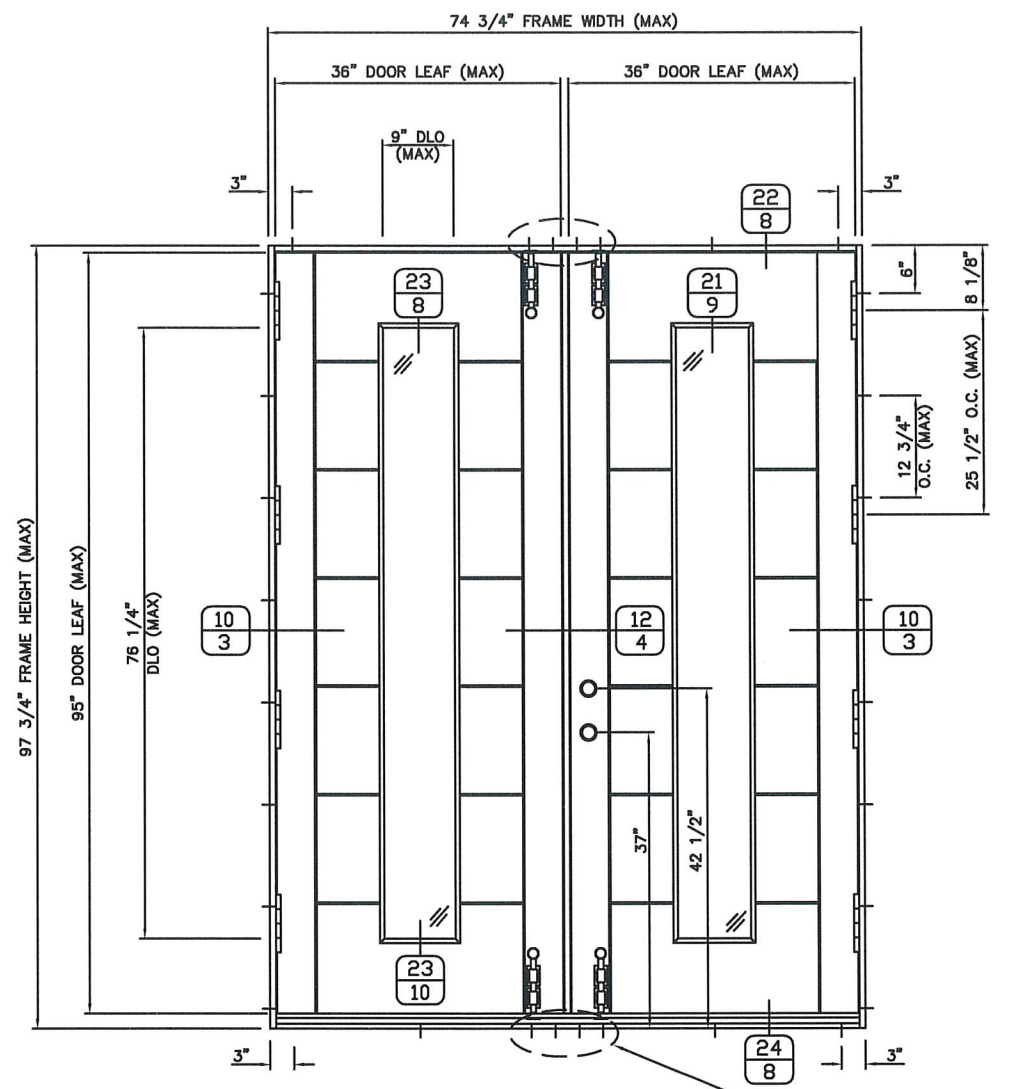


DWG: HWM-4
SHEET: 1/12



FLAT PANEL DOOR WITH
OPTIONAL SPEAK-EASY PANEL

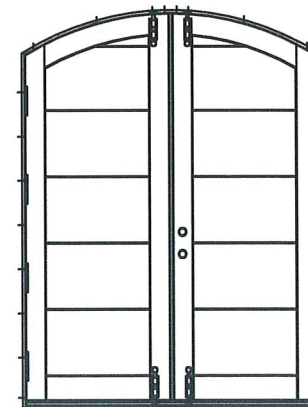
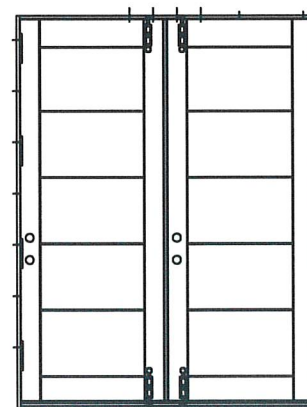
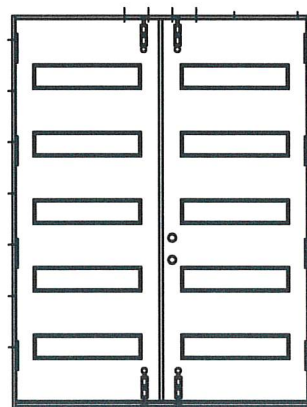
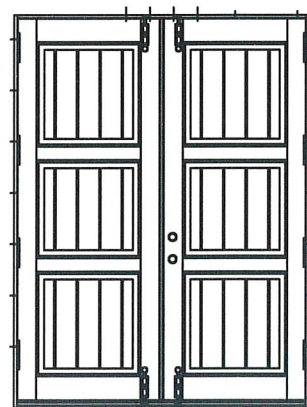
MAXIMUM DESIGN
PRESSURE
+/- 60.15 PSF



CONTEMPORARY PANEL DOOR
WITH OPTIONAL VERTICAL LITE

MAXIMUM DESIGN
PRESSURE
+/- 50.13 PSF

OTHER APPROVED SHAPES:



INSTALLATION NOTE:

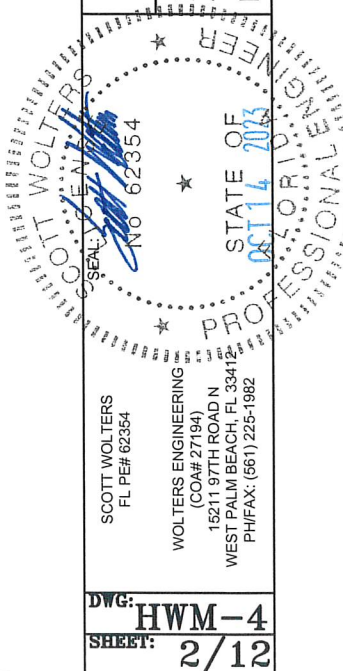
1. MAXIMUM DESIGN PRESSURES FOR
PANEL DOORS WITHOUT VERTICAL
LITES ARE +/- 60.15 PSF.

NON-IMPACT DOUBLE 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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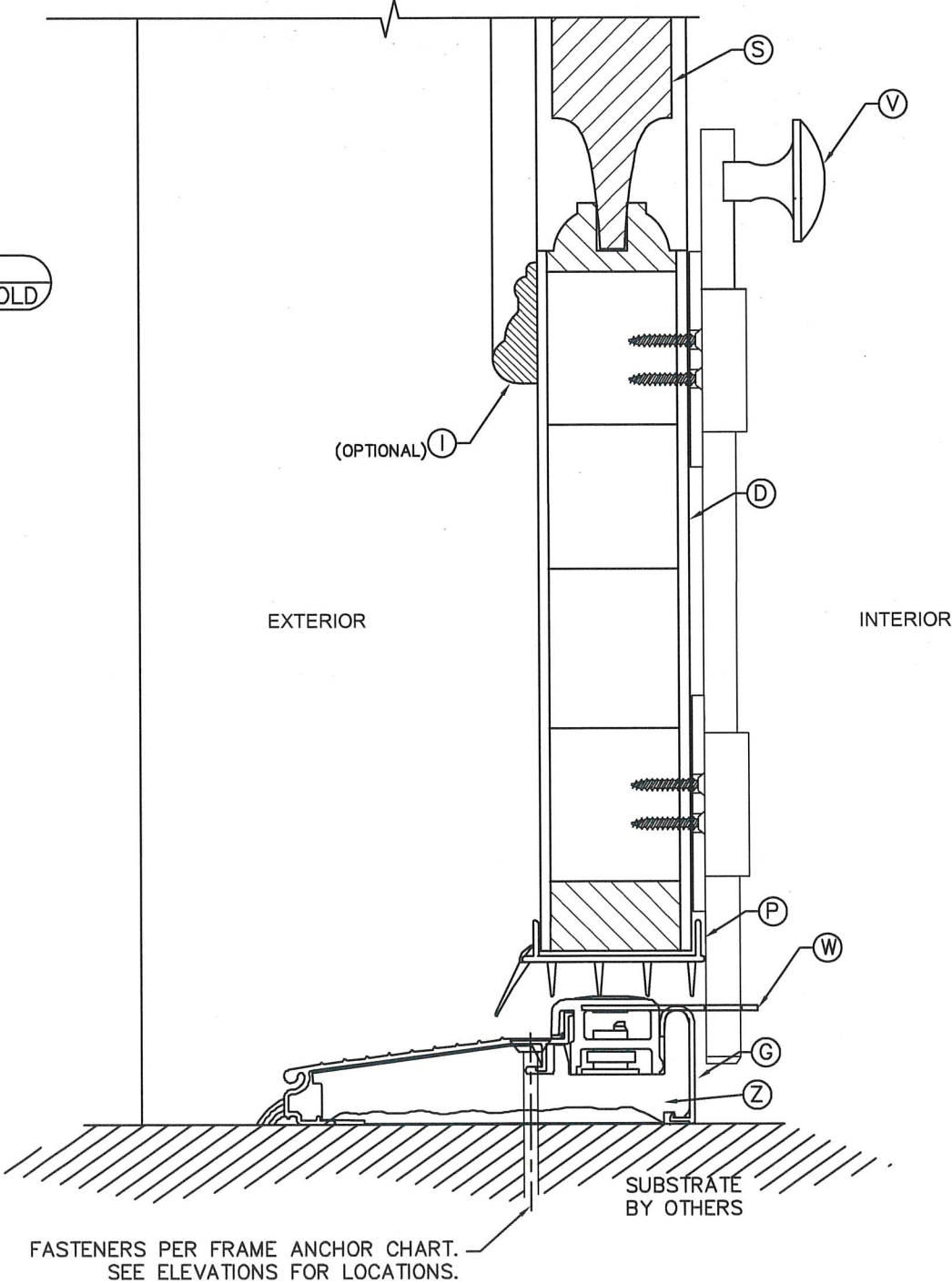
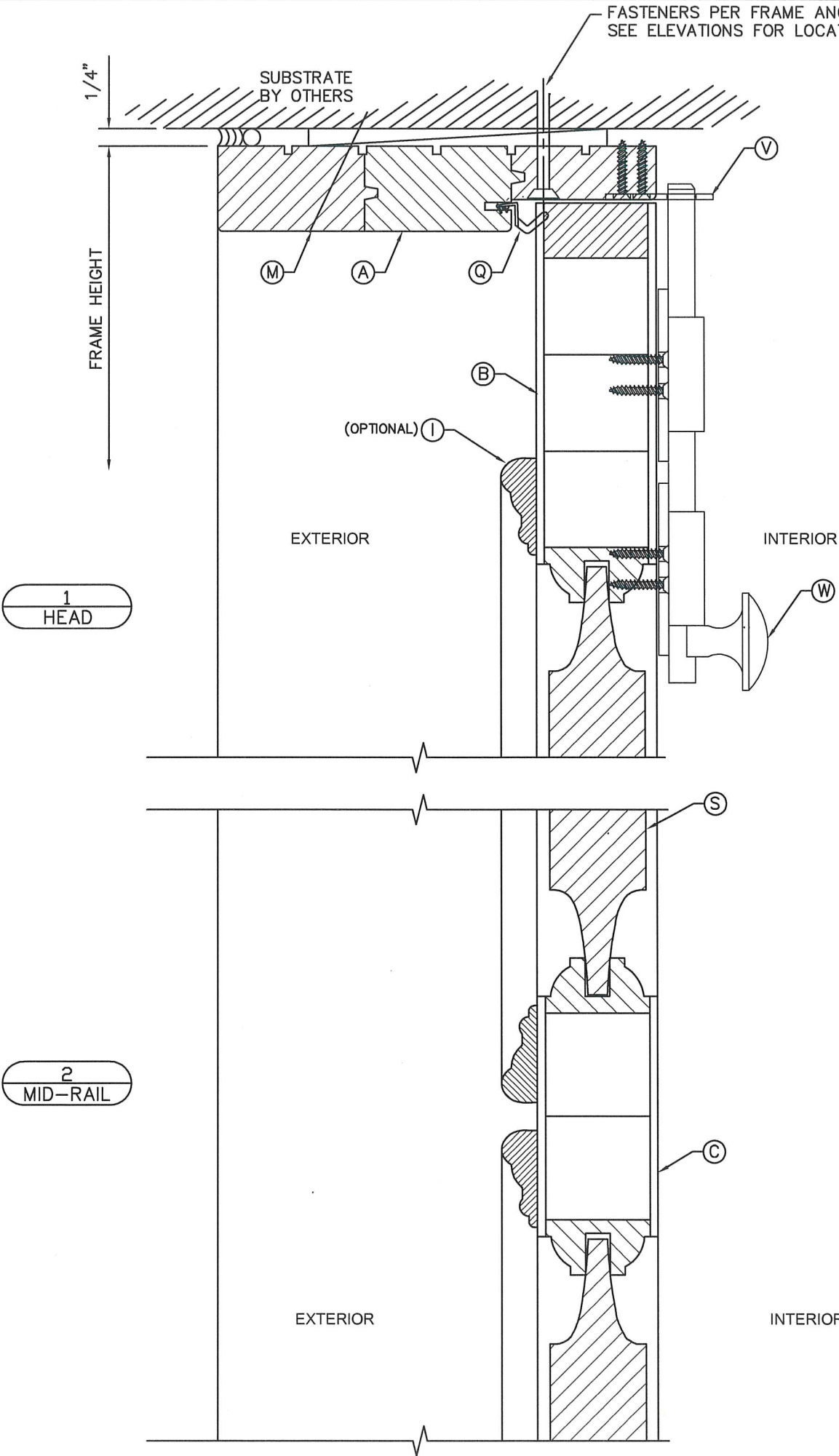
REVISION	DATE	REV#	DATE
2017 CODE UPDATE	8/13/21		
2014 CODE UPDATE	4/18/19		
1ST SUBMITTAL	8/31/15		
PRINTS ISSUED FOR	9/4/13		



DWG: HWM-4
SHEET: 2/12

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.



NON-IMPACT DOUBLE WOOD PANEL DOOR

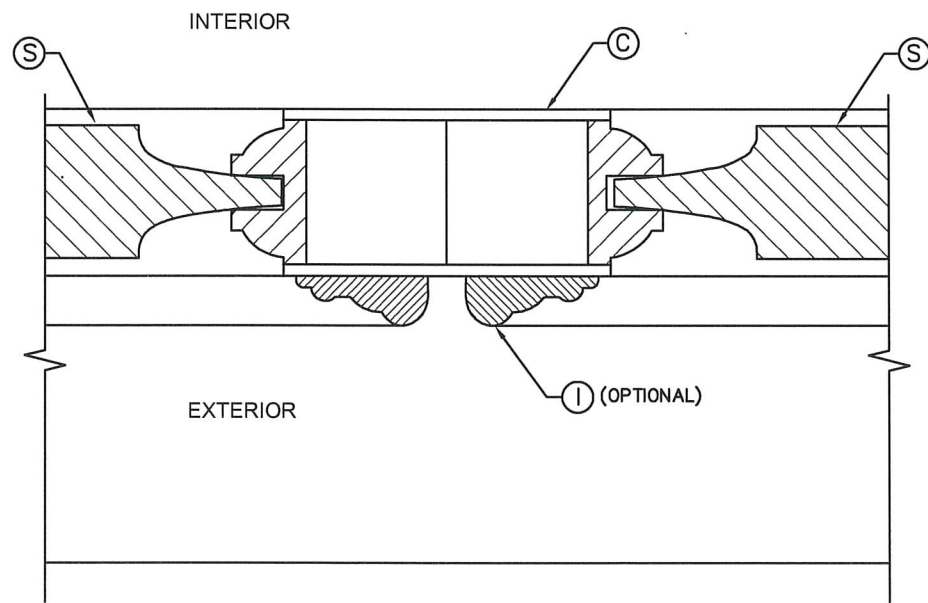
HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064
PH: (713) 869-6466
FAX: (713) 861-2909
www.hoelscherweatherstrip.com

SCOTT WOLTERS
FL PE# 62354

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

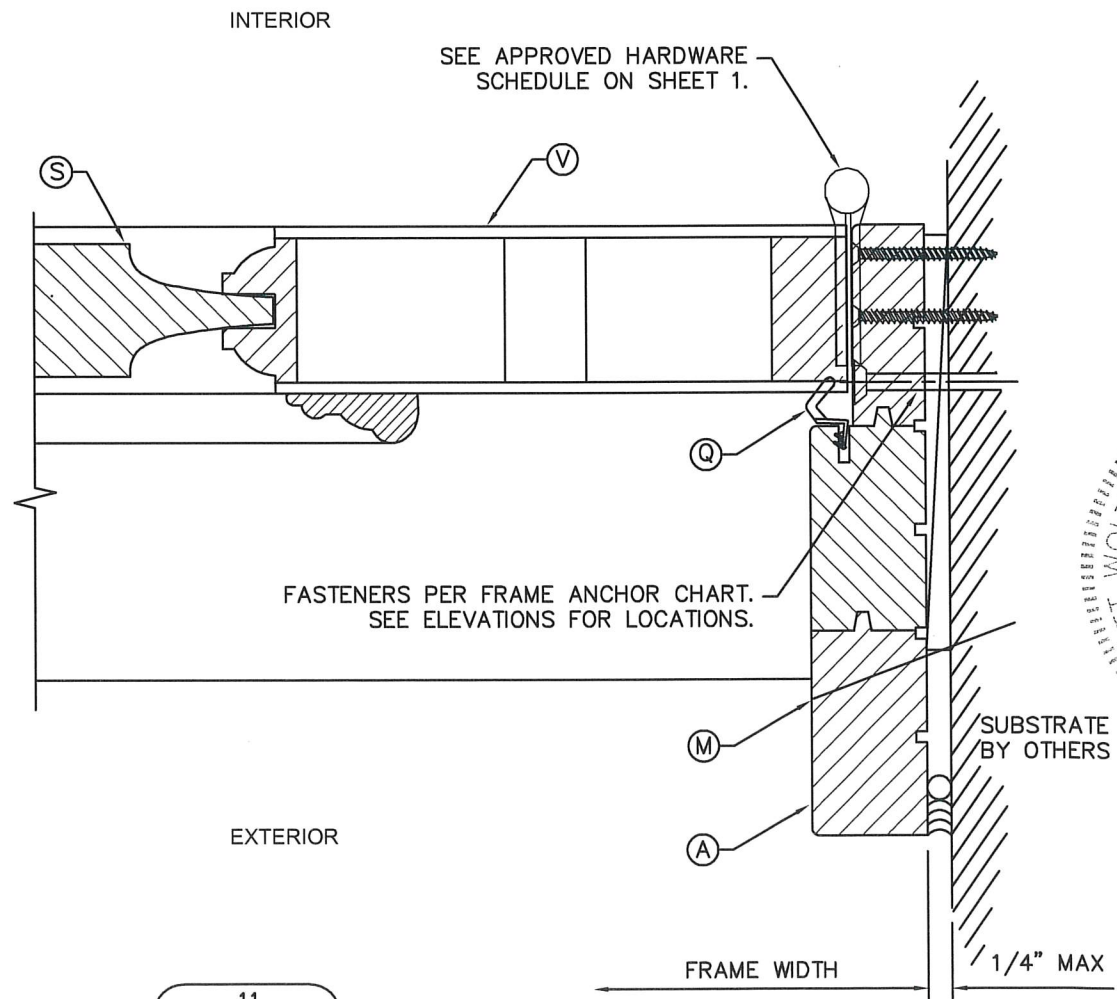
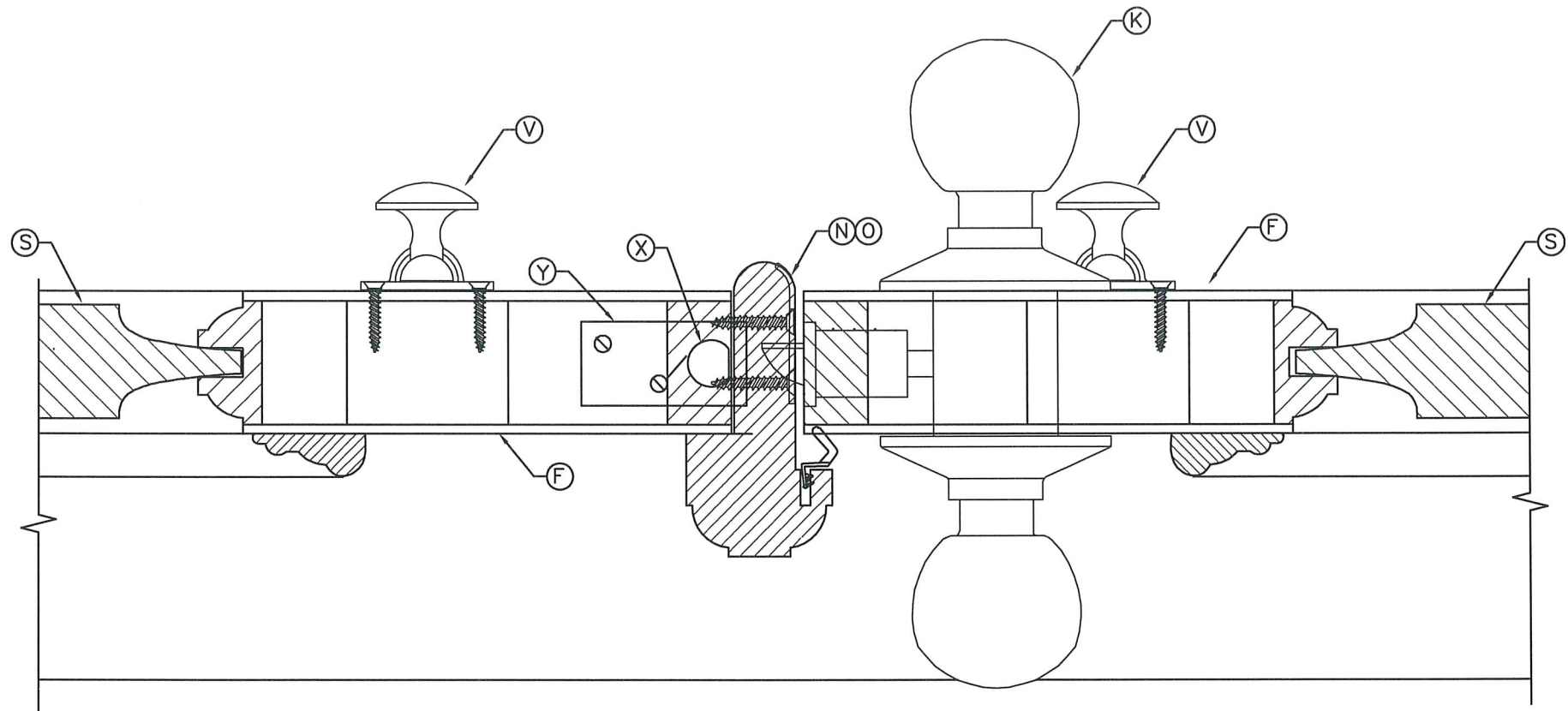
DWG: HWM-4
SHEET: 3/12

INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.



7
CTR VERT

12
ASTRAGAL



11
HINGE JAMB

NON-IMPACT DOUBLE WOOD PANEL DOOR

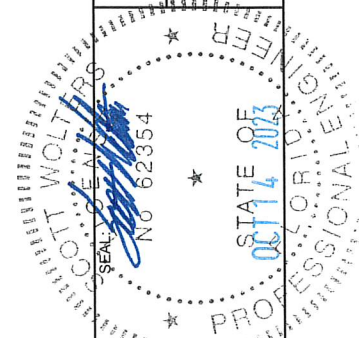
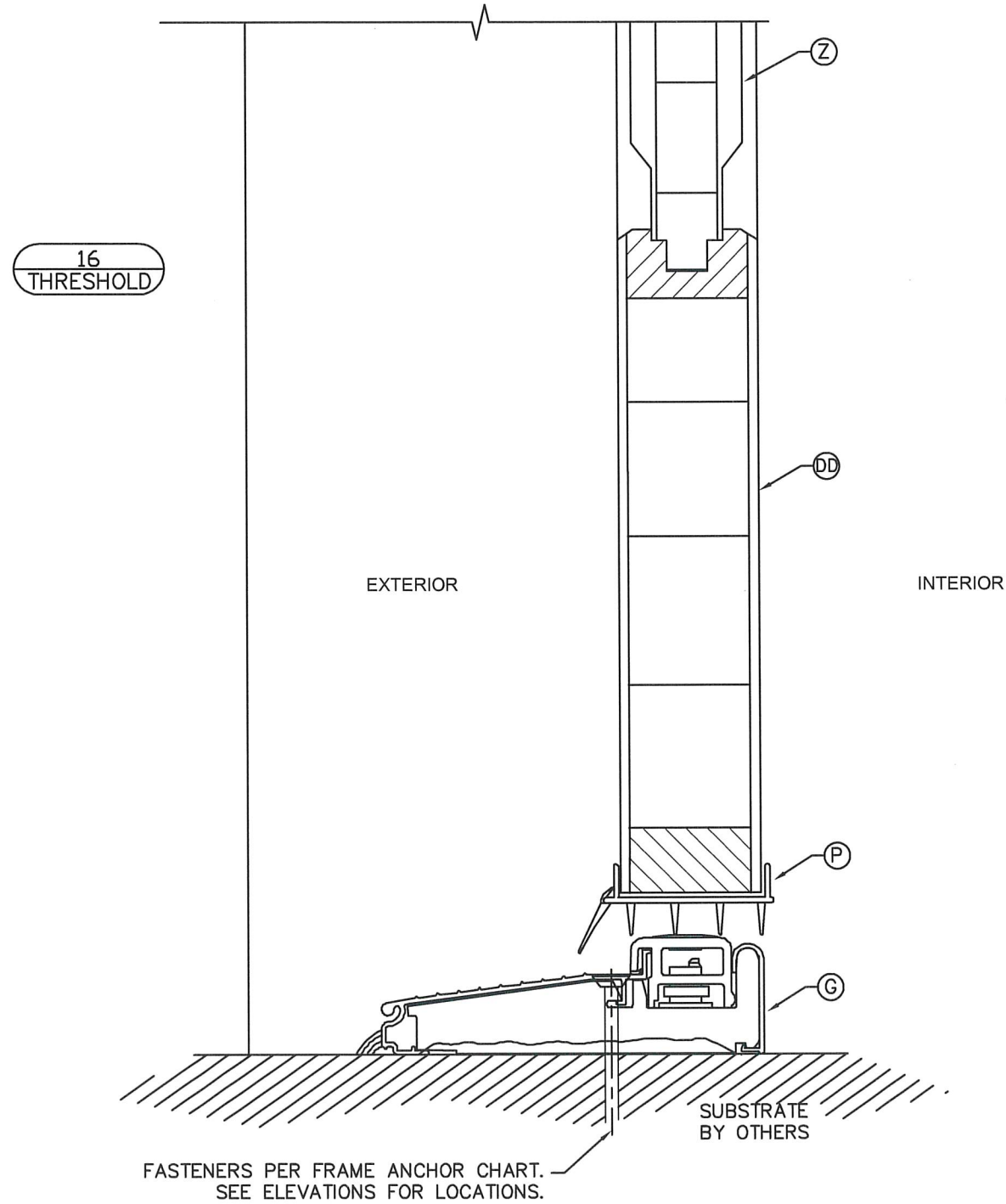
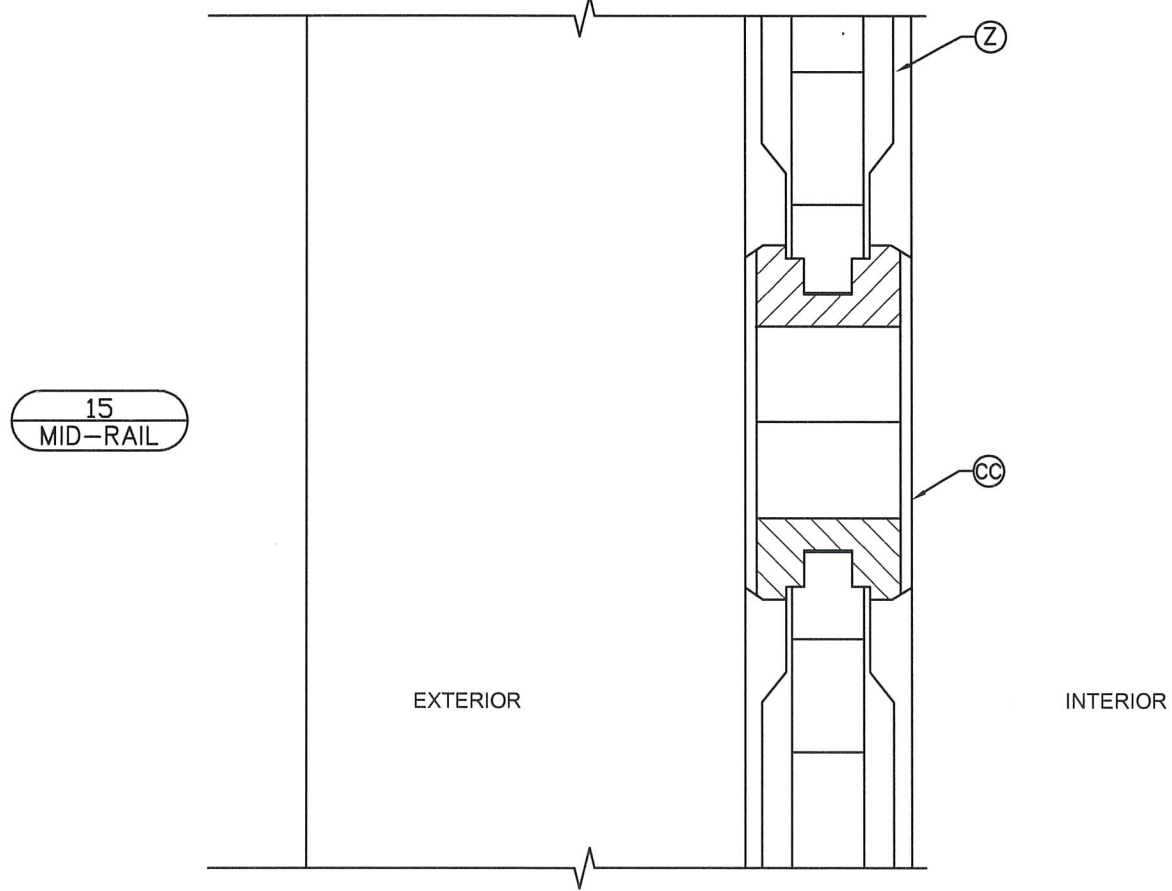
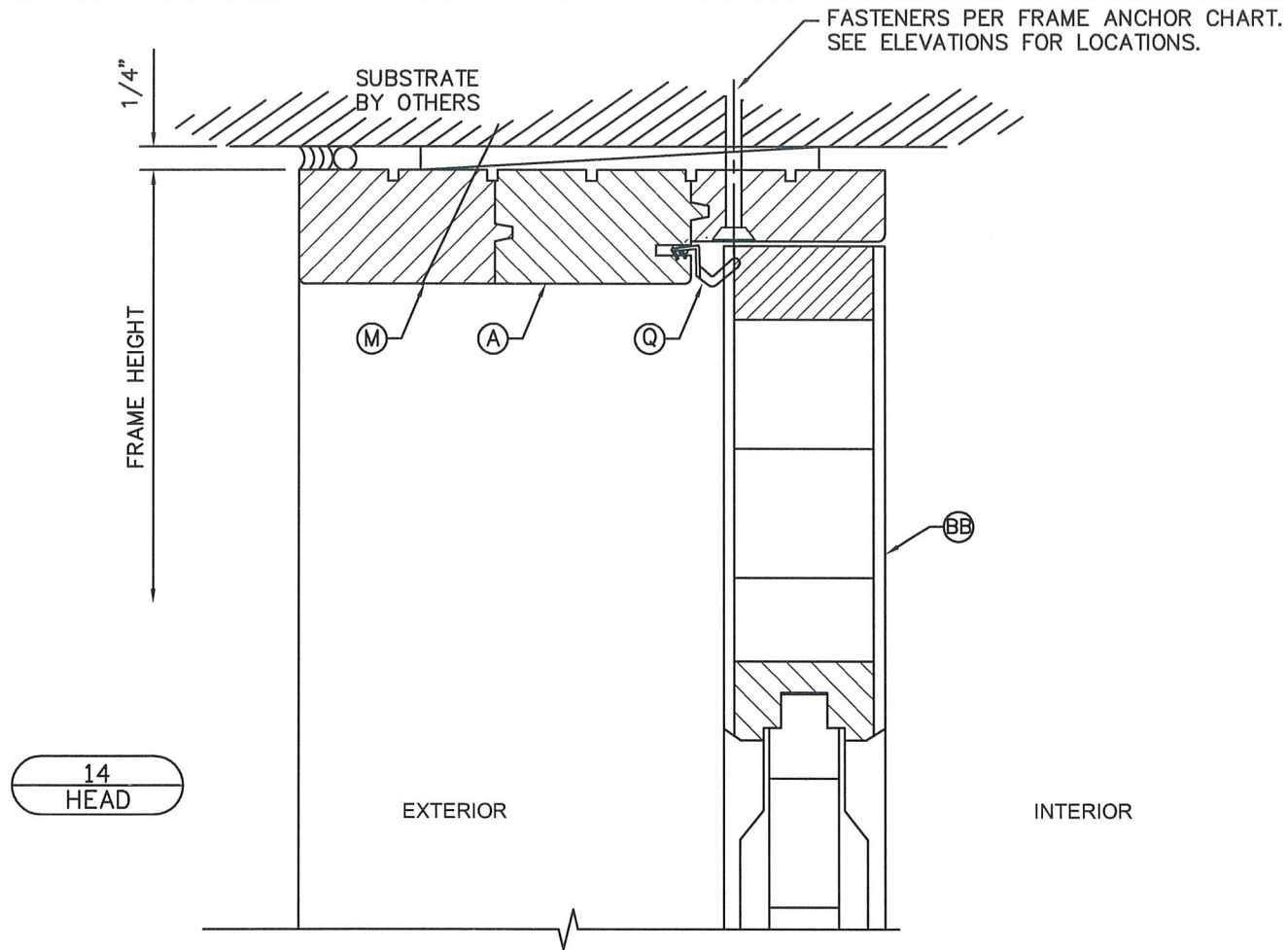
HOELSCHER WEATHERSTRIP MFG, INC.
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HOUSTON, TX 77064
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DWG: **HWM-4**
SHEET: **4/12**

REV.#	DATE
1ST SUBMITTAL	9/4/13
PRINTS ISSUED FOR	



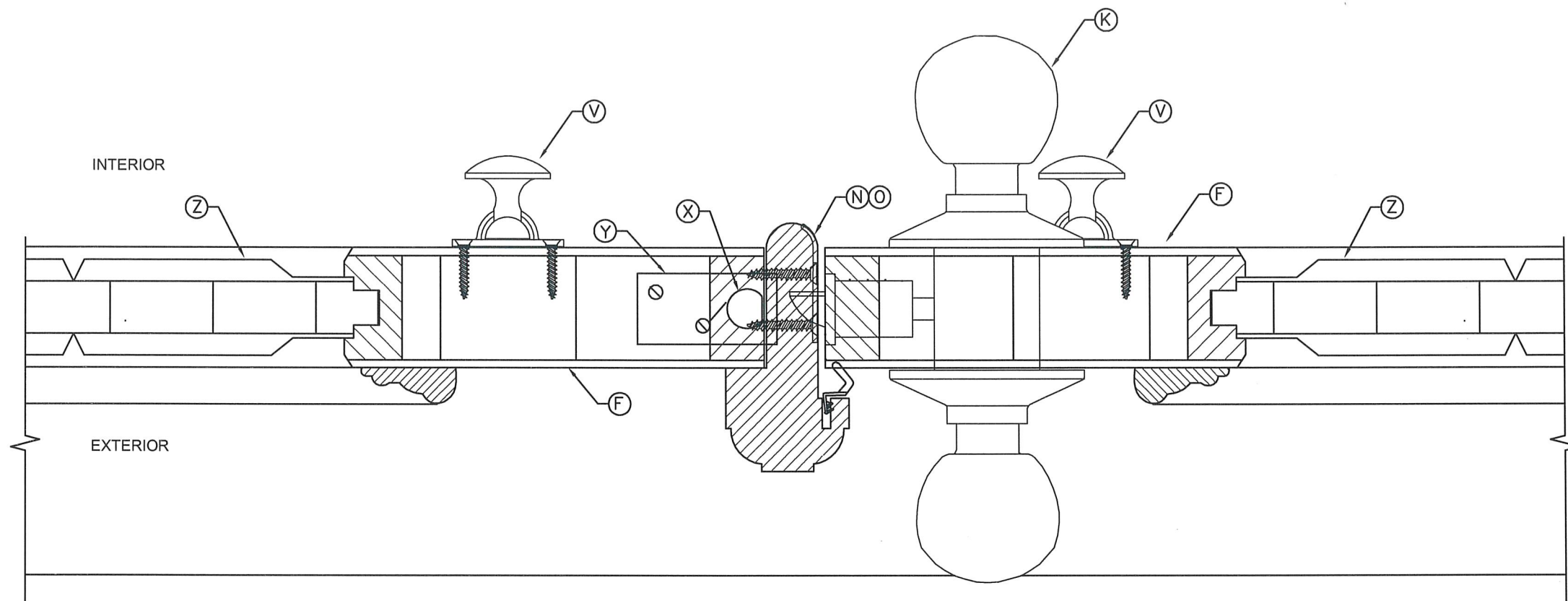
NON-IMPACT DOUBLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.
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 HOUSTON, TX 77064
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 FAX: (713) 861-2909
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 (COA# 27194)
 15211 97TH ROAD N
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 PH/FAX: (561) 225-1982

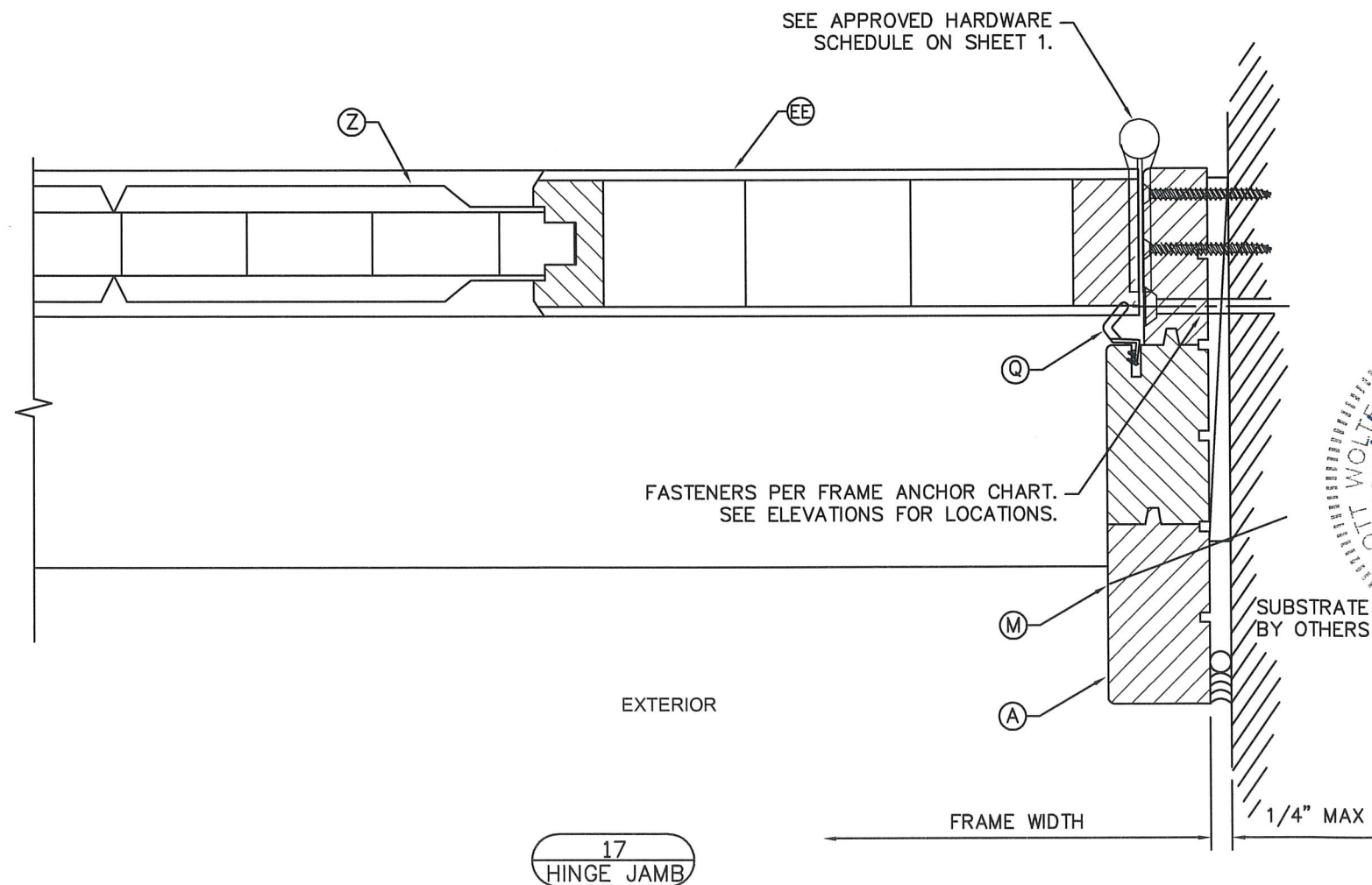
DWG: HWM-4
 SHEET: 5/12

REV#	DATE	PRINTS ISSUED FOR
1ST SUBMITTAL	9/4/13	



INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.

18
ASTRAGAL



17
HINGE JAMB

NON-IMPACT DOUBLE WOOD PANEL DOOR

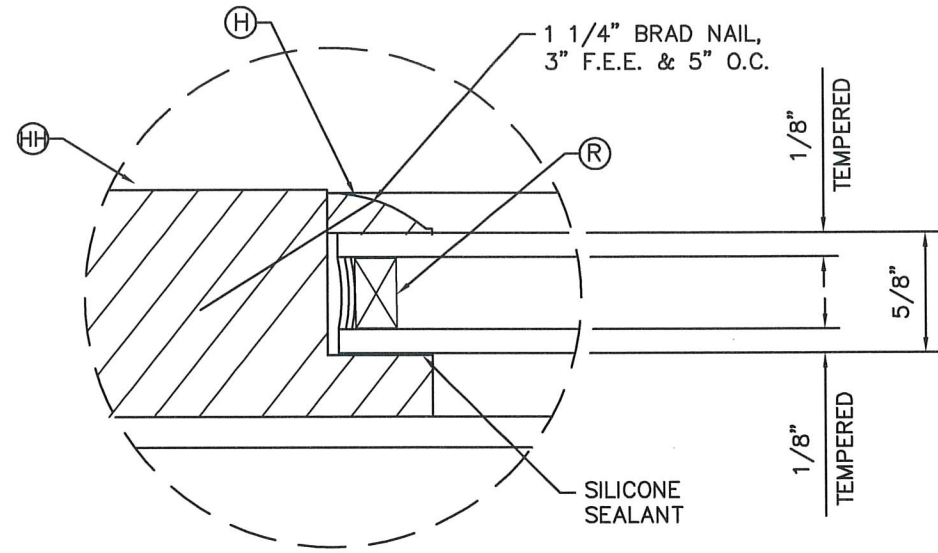
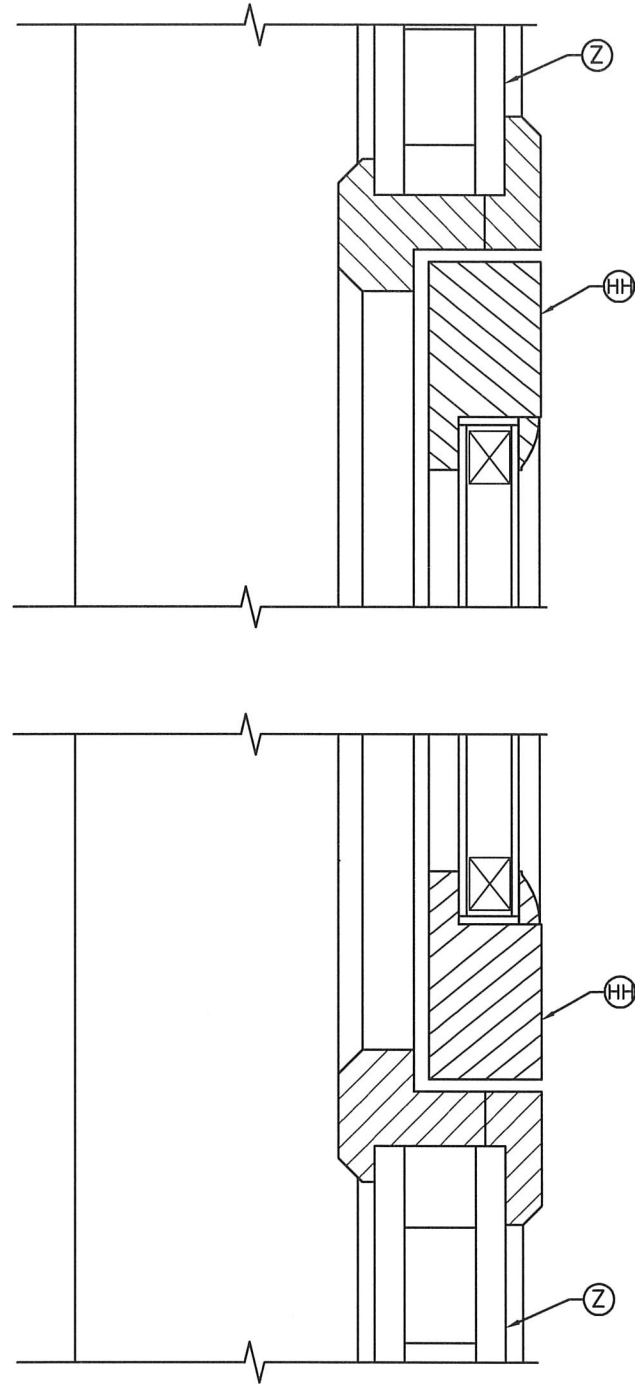
HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064
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WOLTERS ENGINEERING
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15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

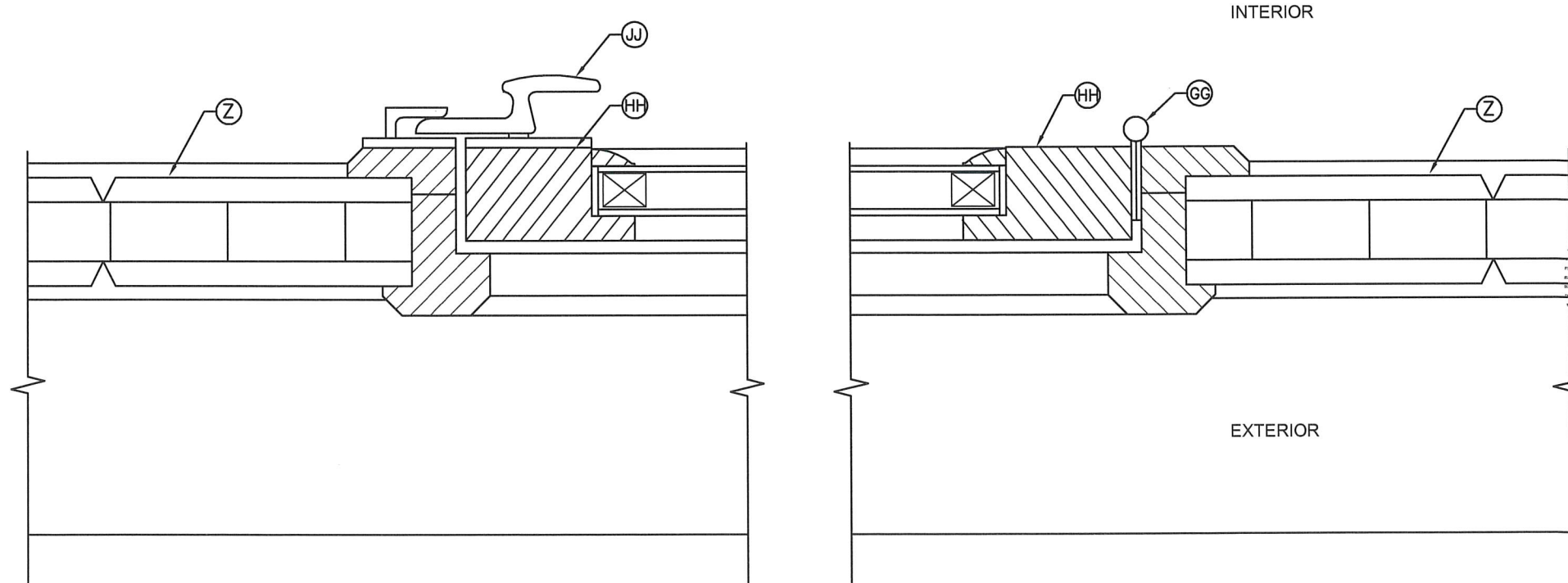
DWG: HWM-4
SHEET: 6/12

REV.#	DATE
1ST SUBMITTAL	9/4/13
PRINTS ISSUED FOR	

19
VERT DET



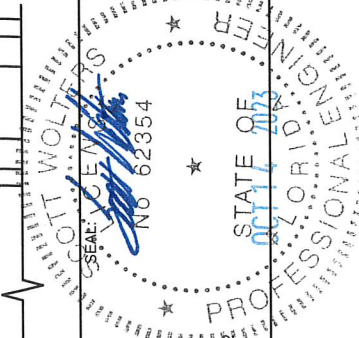
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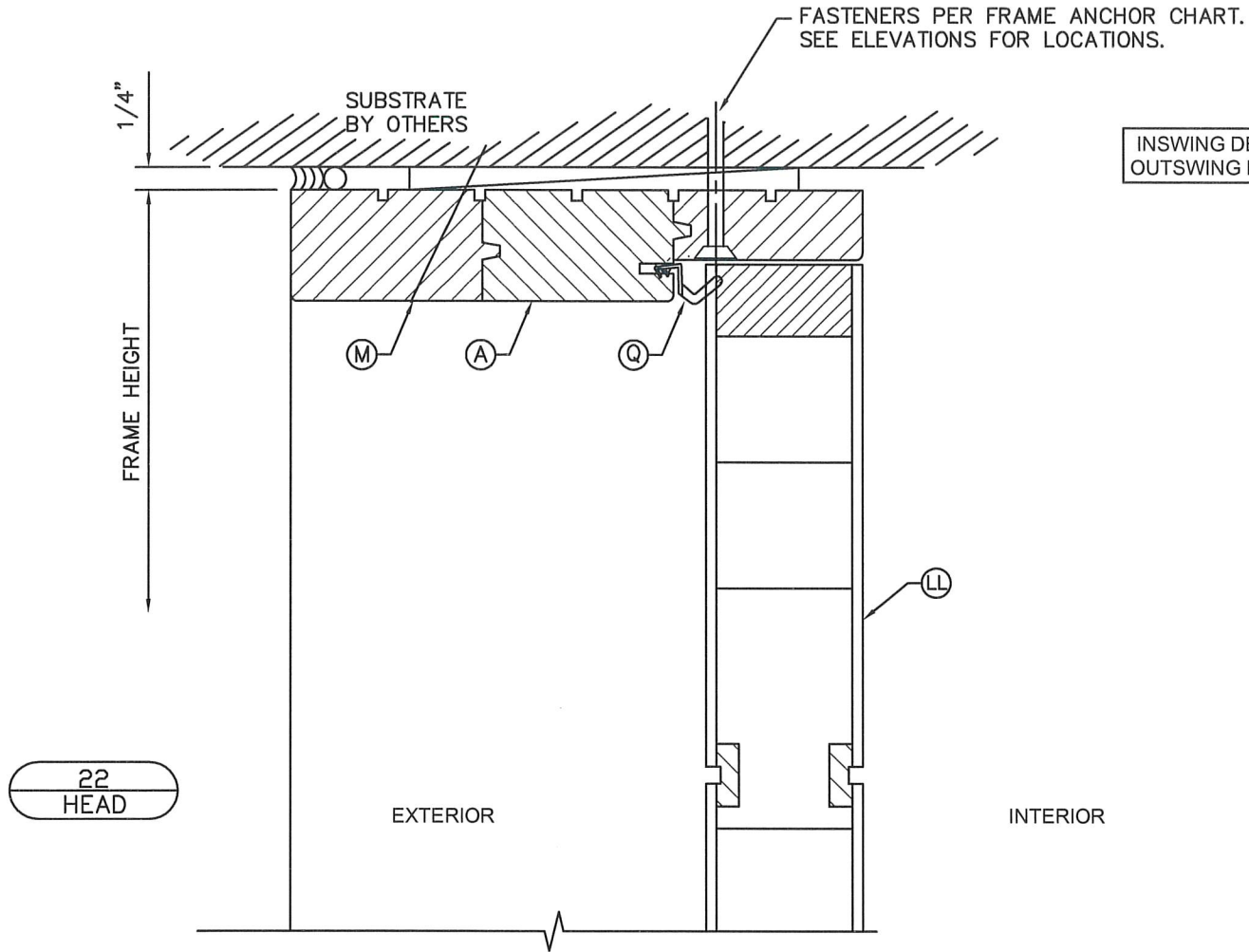
20
HRZ DET

NON-IMPACT DOUBLE 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	DATE
HOUSTON, TX 77064		PRINTS ISSUED FOR	REV.#
		SIDELITES/TRANSOM	
		1ST SUBMITTAL	
		DATE	

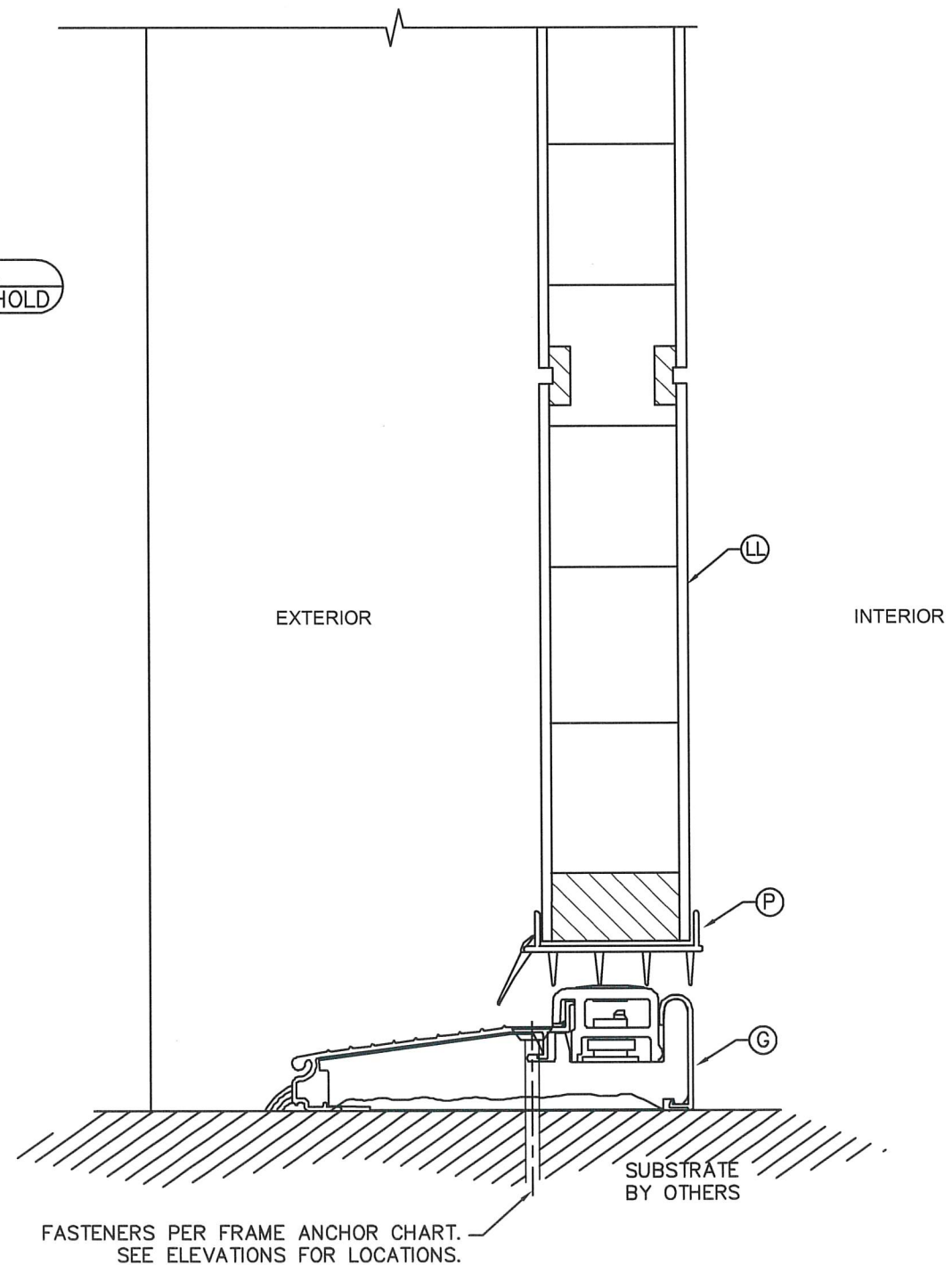
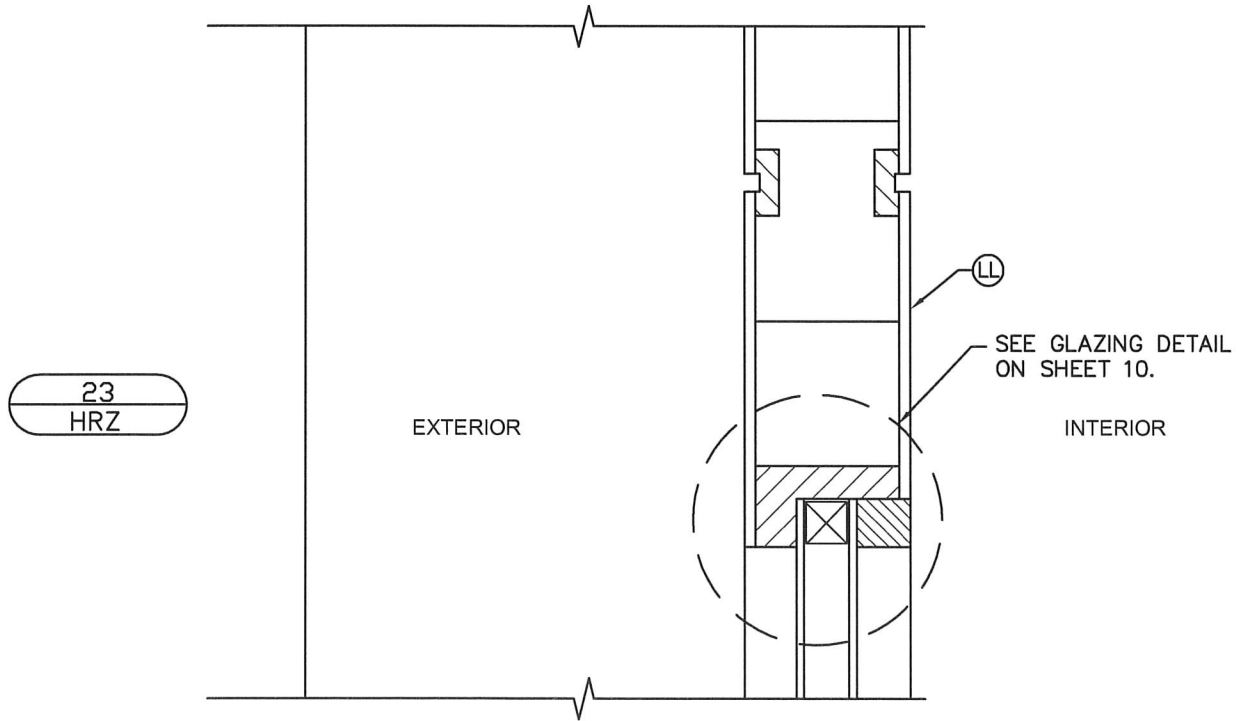
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
18211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (661) 225-1982



DWG: HWM-4
SHEET: 7/12



INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.



SCOTT WOLTERS
FL PE# 62354

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

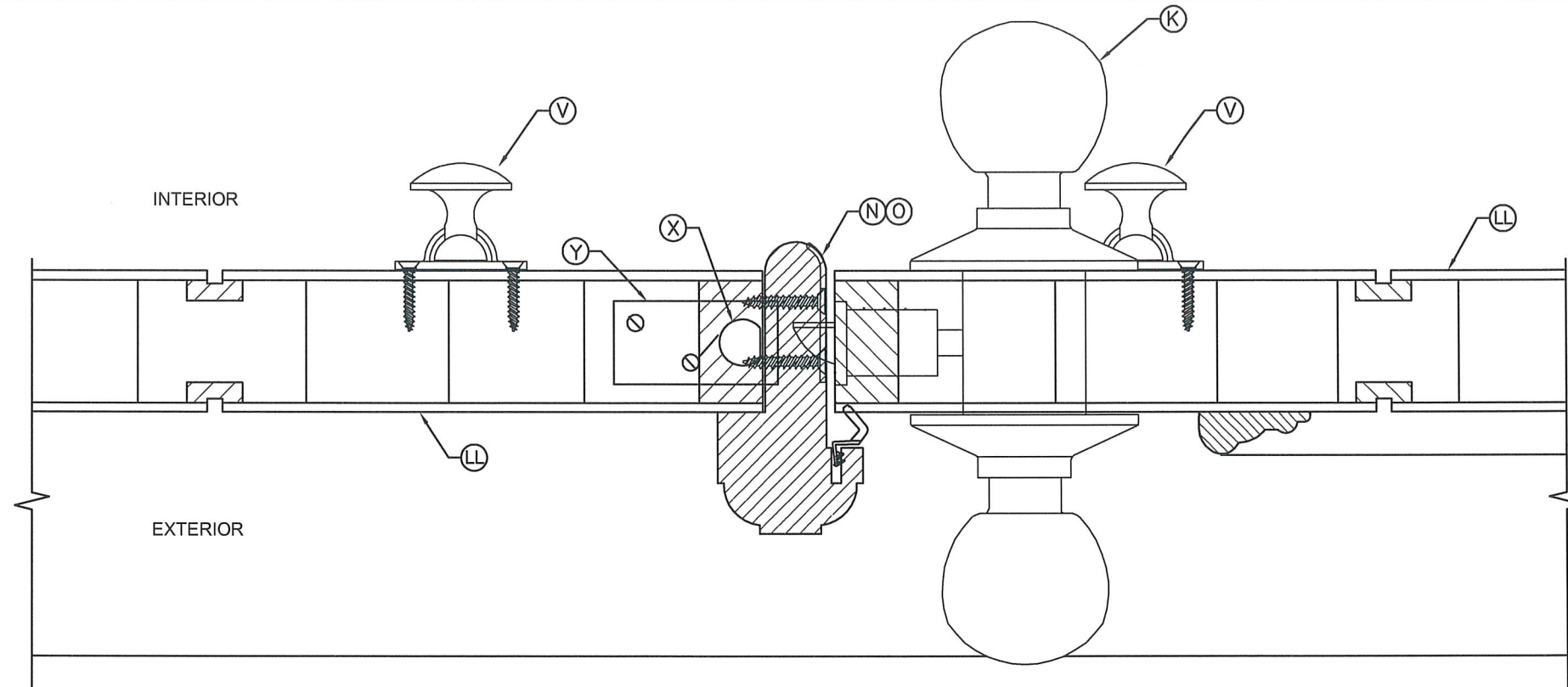
NON-IMPACT DOUBLE WOOD PANEL DOOR

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10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064

PH: (713) 869-6466
FAX: (713) 861-2909
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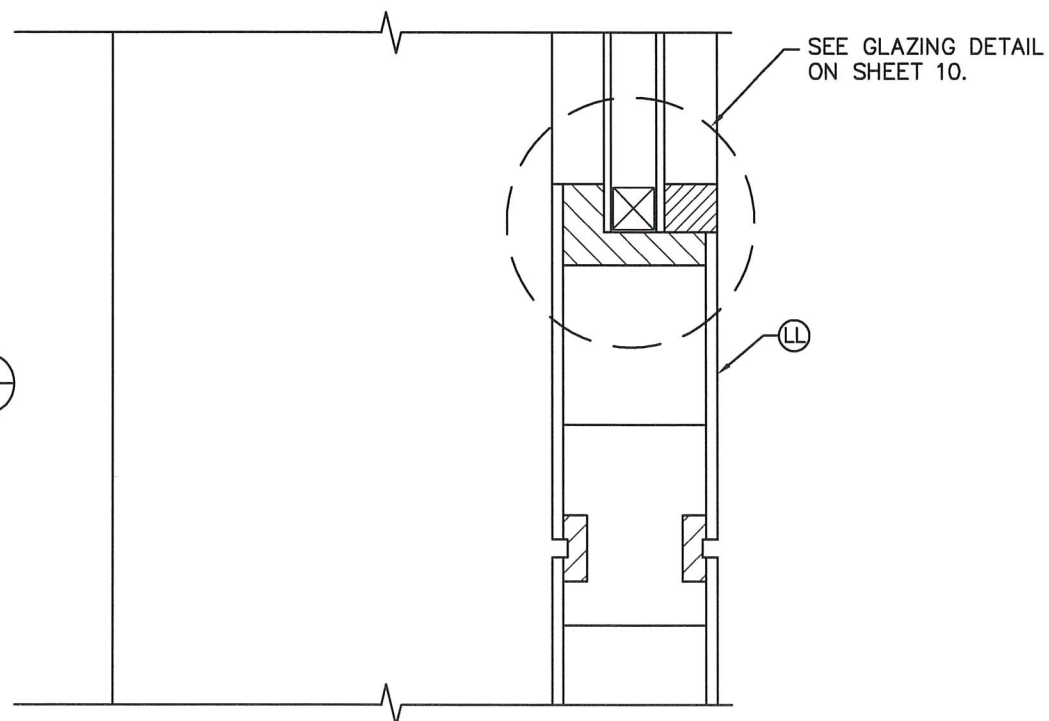
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1	6/8/20	SIDELITES/TRANSOM
2	8/30/13	1ST SUBMITTAL

DWG: **HWM-4**
SHEET: **8/12**

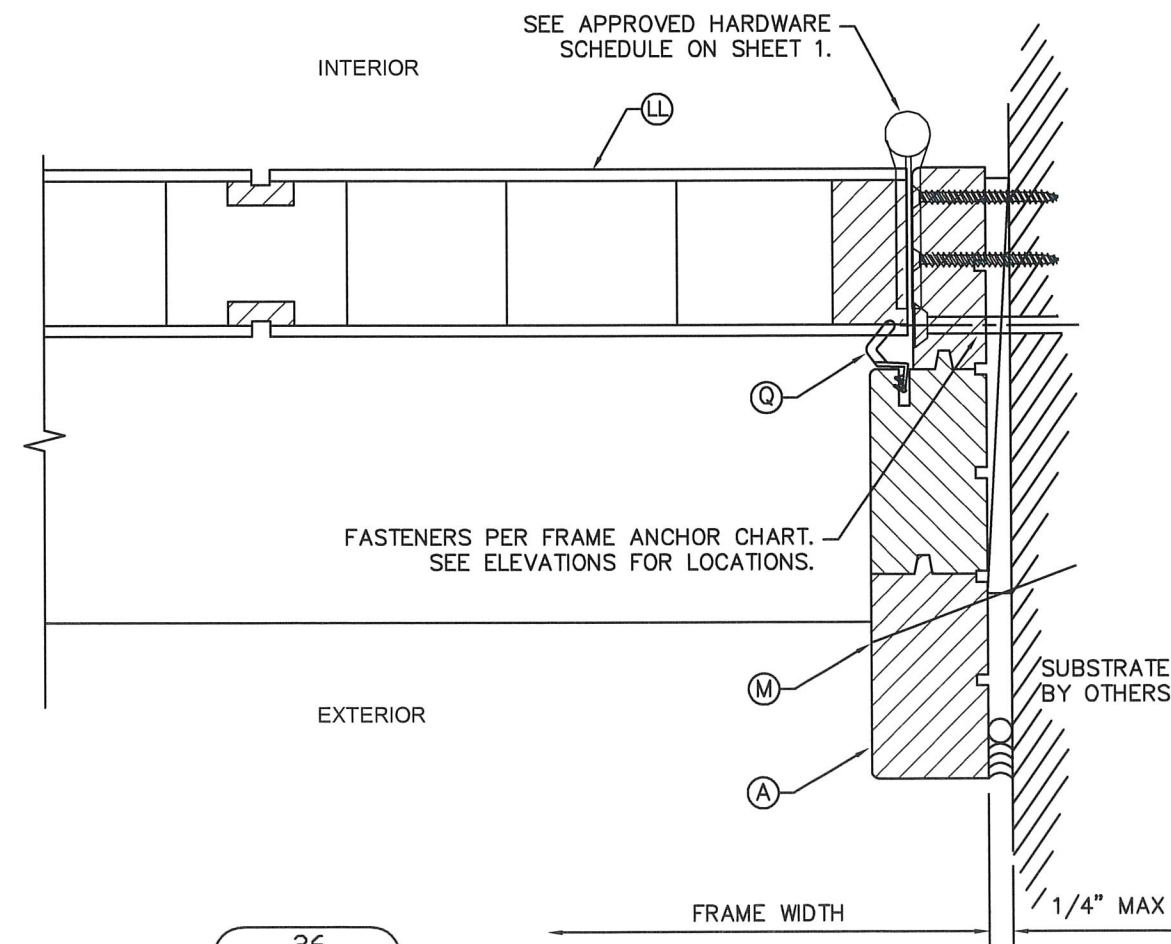


12
ASTRAGAL

INSWING DETAILS ARE SHOWN,
OUTSWING DETAILS ARE SIMILAR.



23
HRZ DET



26
HINGE JAMB

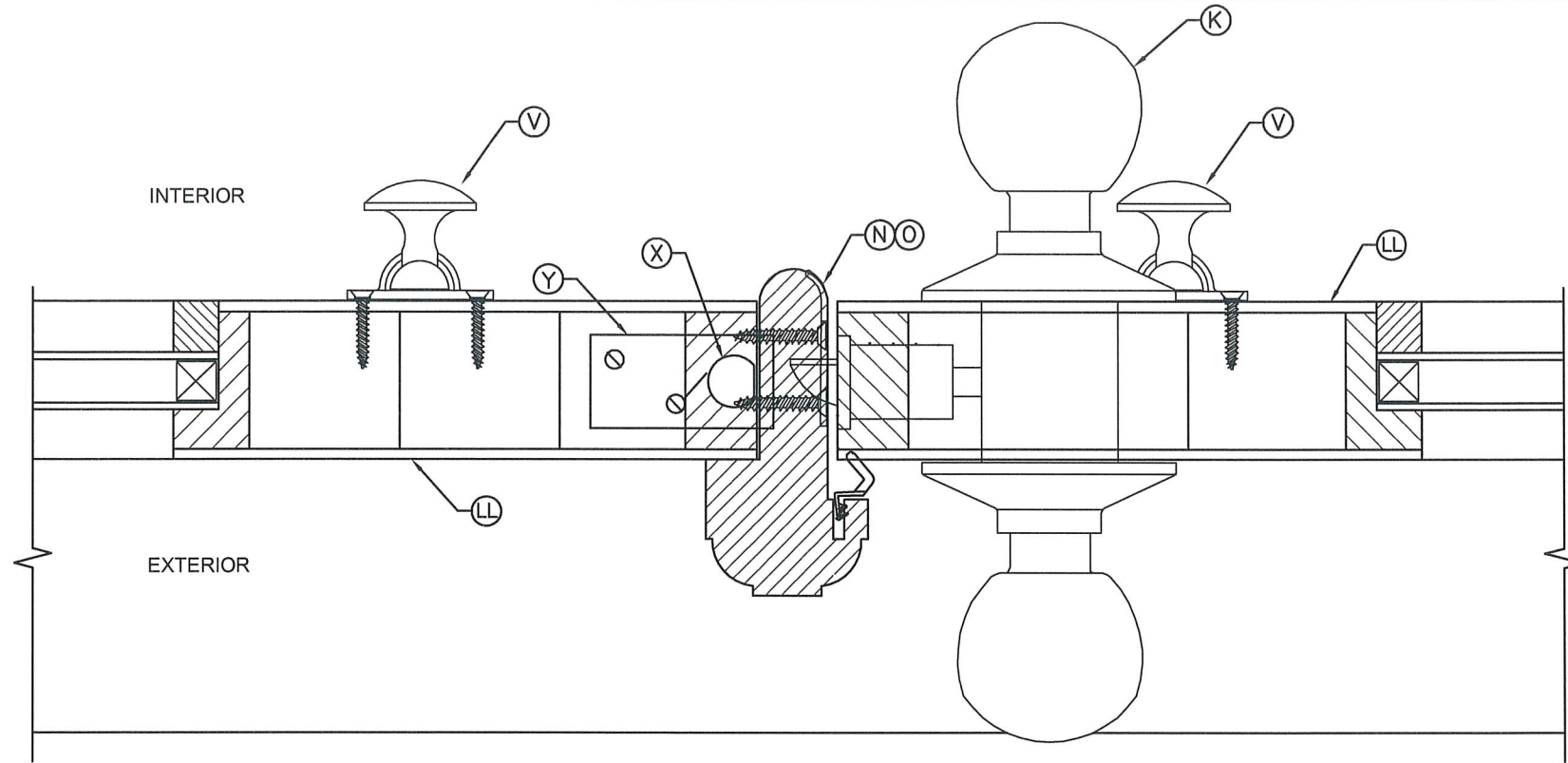
NON-IMPACT DOUBLE WOOD PANEL DOOR

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10111 HOUSTON OAKS DRIVE
HOUSTON, TX 77064
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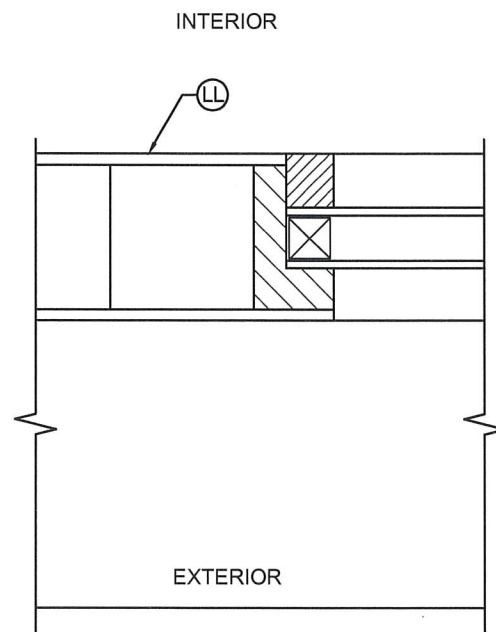
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
16211 97TH ROAD, N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1962

DWG: **HWM-4**
SHEET: **9/12**

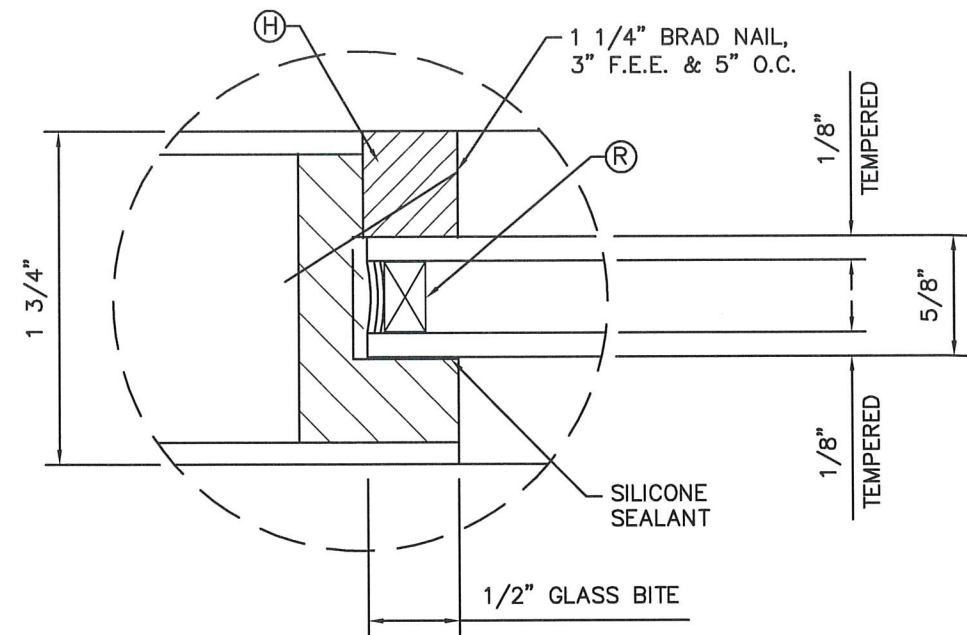
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1	6/8/20	SIDELITES/TRANSOM			
2	8/30/13	1ST SUBMITTAL			



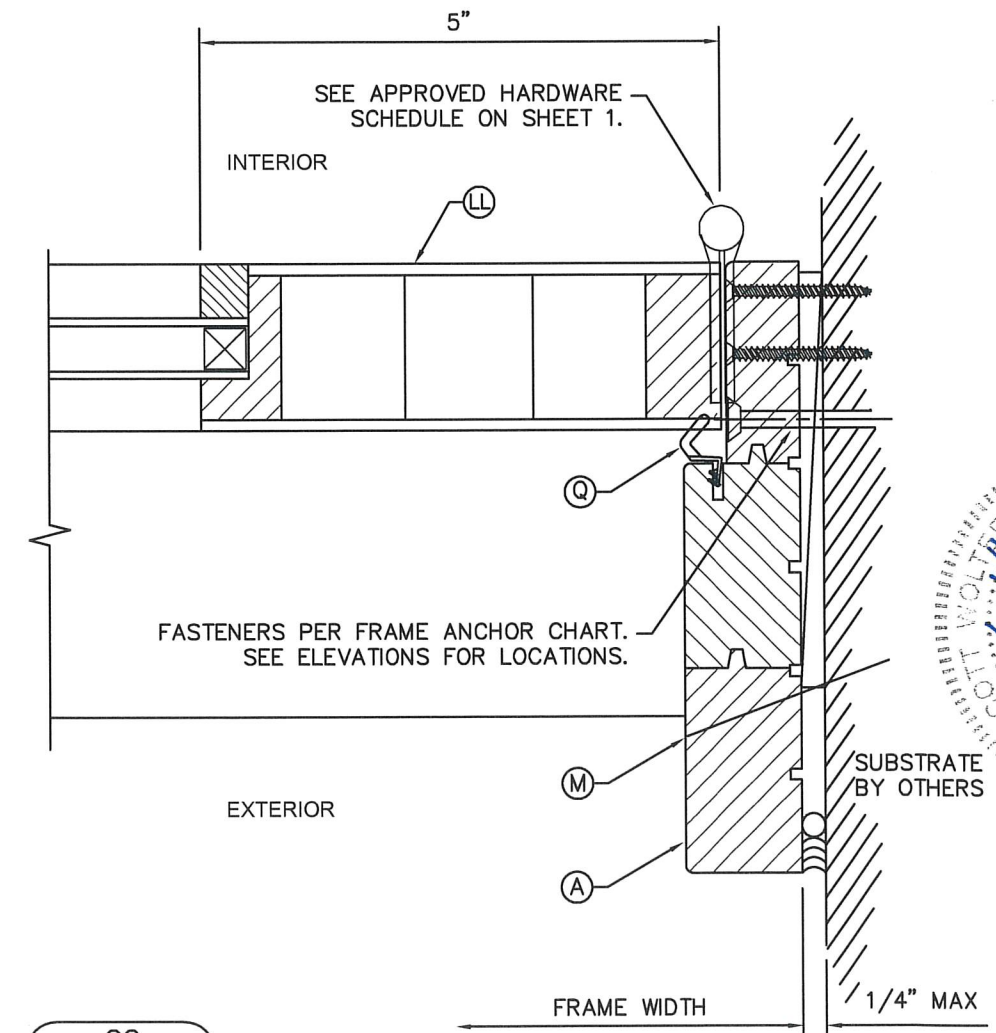
12
ASTRAGAL



25
VERT DET



GLAZING DETAIL



29
HINGE JAMB

NON-IMPACT DOUBLE WOOD PANEL DOOR

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SCOTT WOLTERS
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WOLTERS ENGINEERING
(COA# 27194)

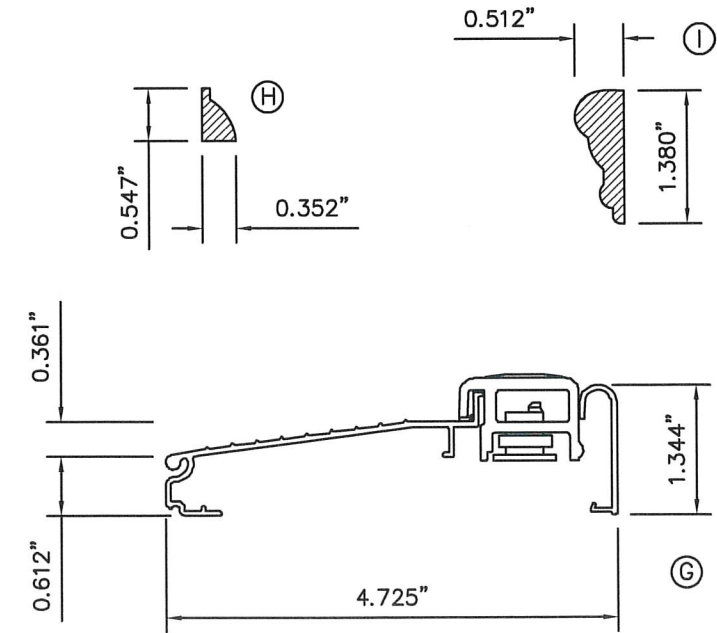
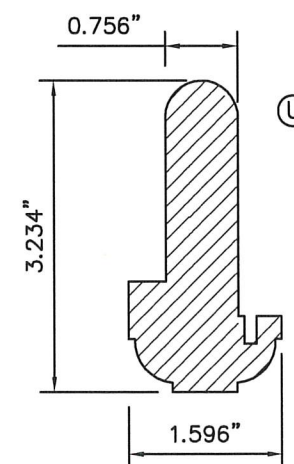
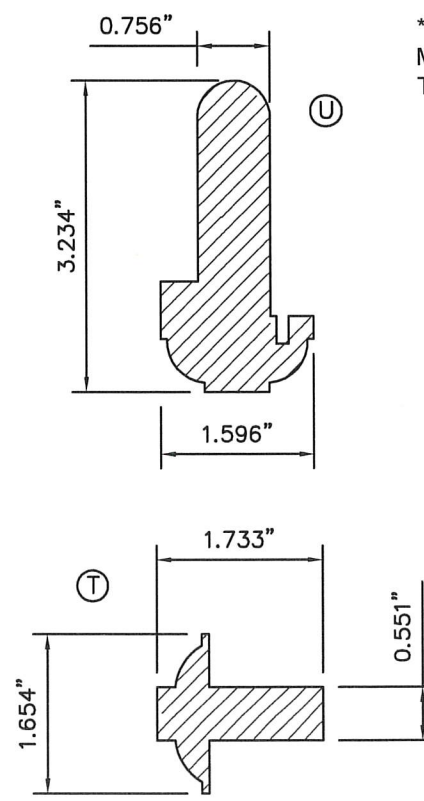
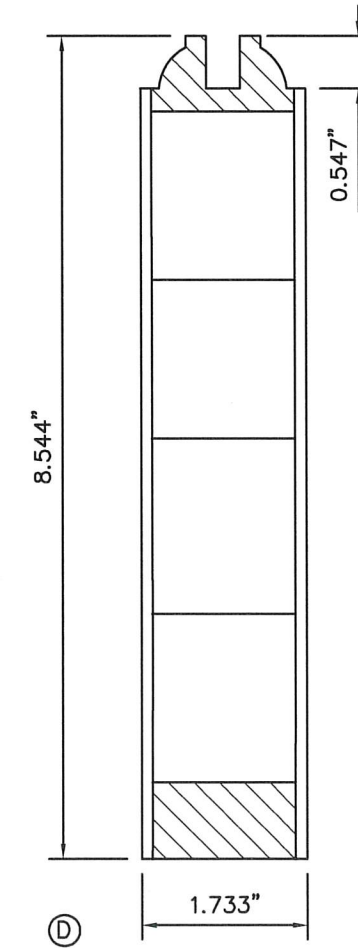
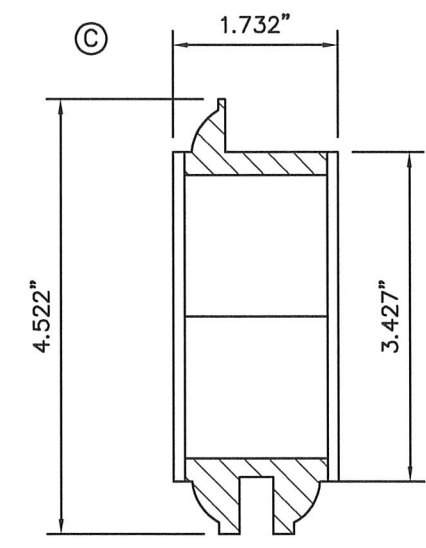
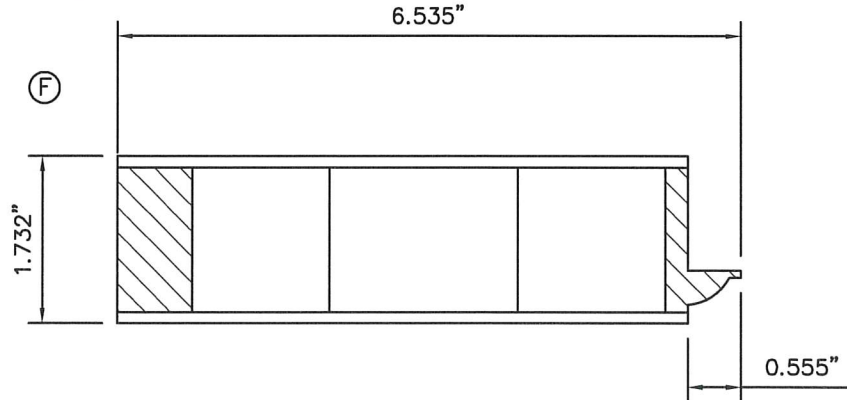
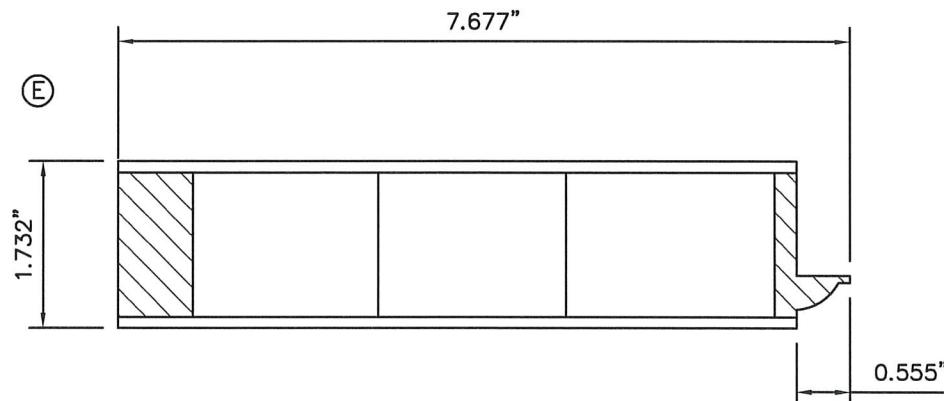
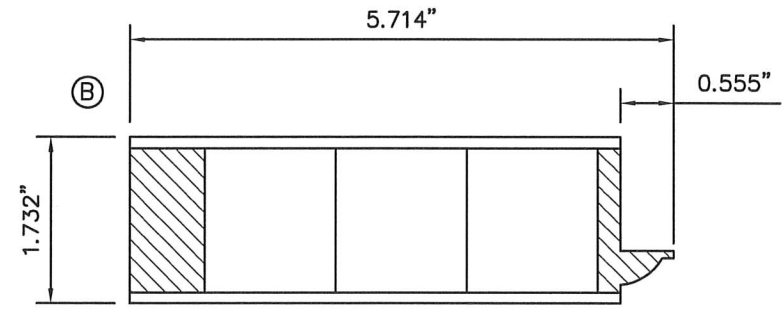
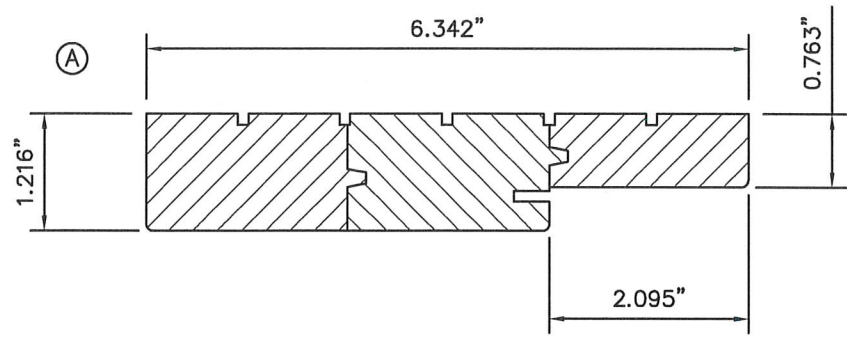
15211 97TH ROAD N

WEST PALM BEACH, FL 33412

PH/FAX: (561) 225-1982

DWG: HWM-4
SHEET: 10/12

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



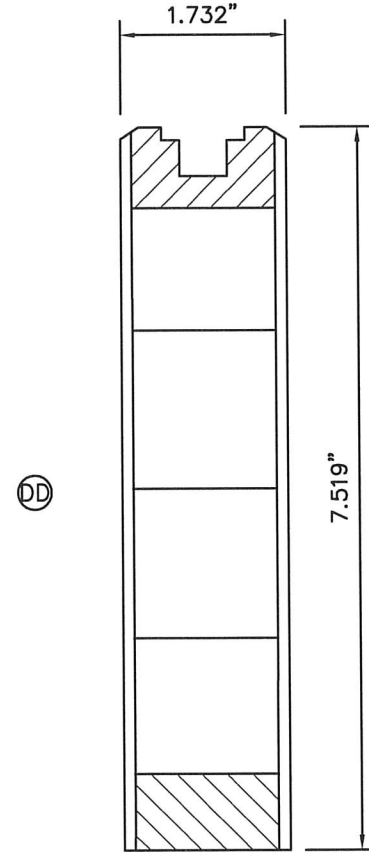
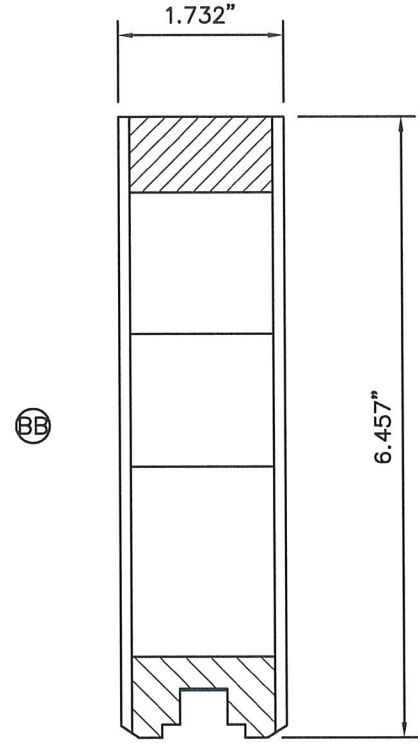
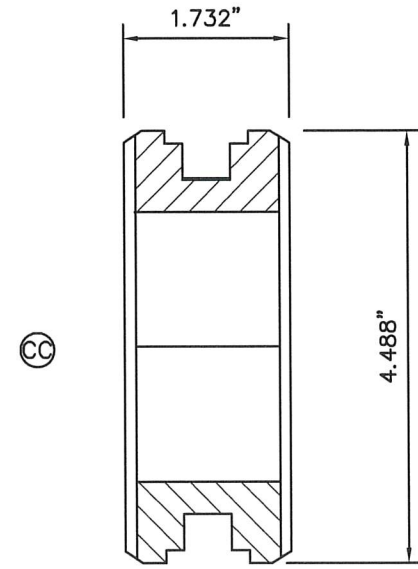
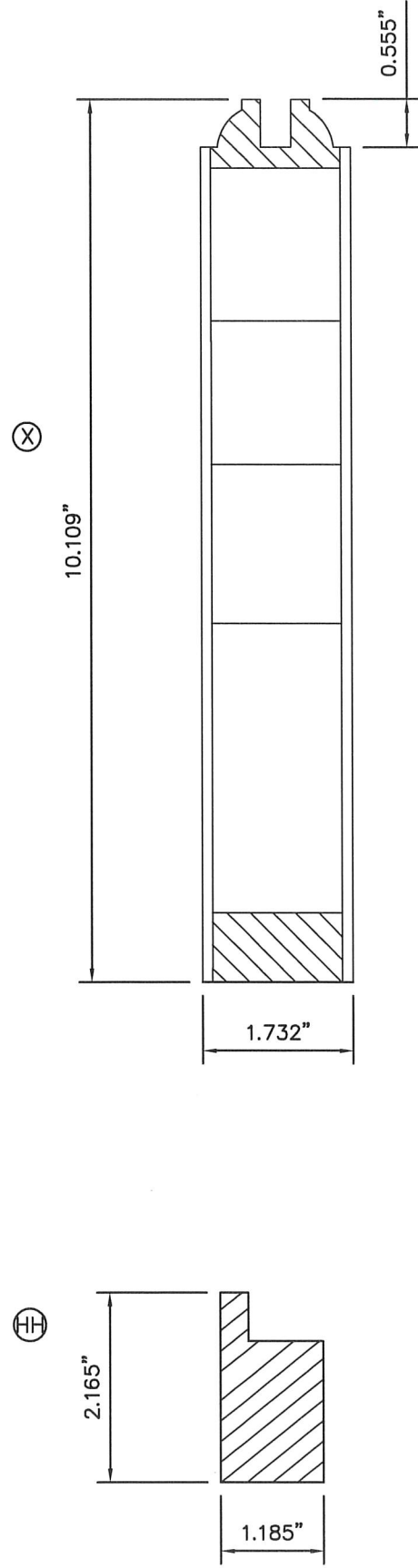
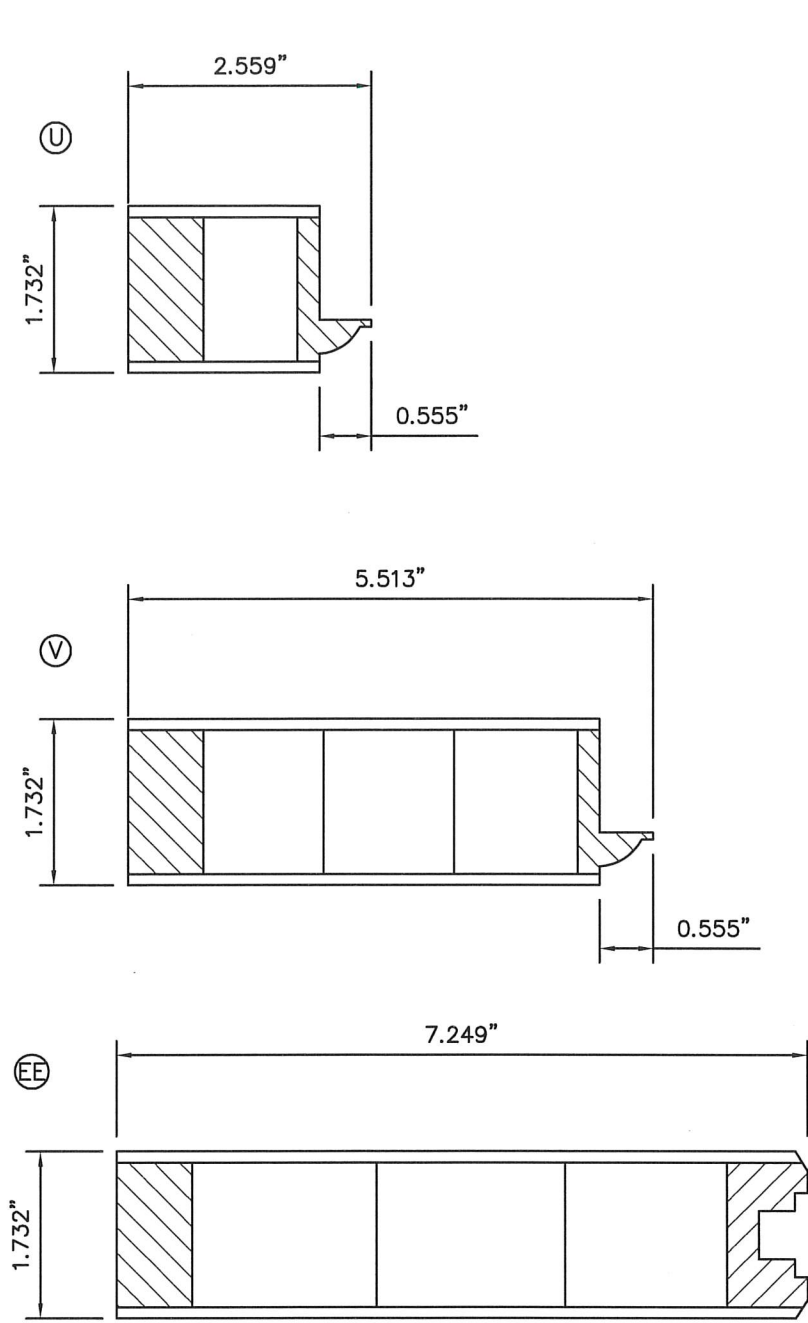
* DOOR STILES AND RAILS ARE CONSTRUCTED FROM MAHOGANY OR KNOTTY ALDER VENEERS GLUED TO MERANTI TIMBER CORES USING D4 TYPE EPI ADHESIVE.

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)

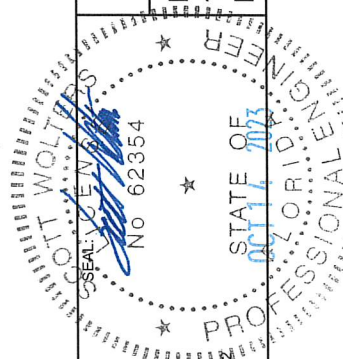
NON-IMPACT DOUBLE WOOD PANEL DOOR

HOELSCHER WEATHERSTRIP MFG, INC.
10111 HOUSTON OAKS DRIVE
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WOLTERS ENGINEERING
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DWG: HWM-4
SHEET: 11/12



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REV.#	REV.	DATE
1	1ST SUBMITTAL	9/4/13
2	PRINTS ISSUED FOR	
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