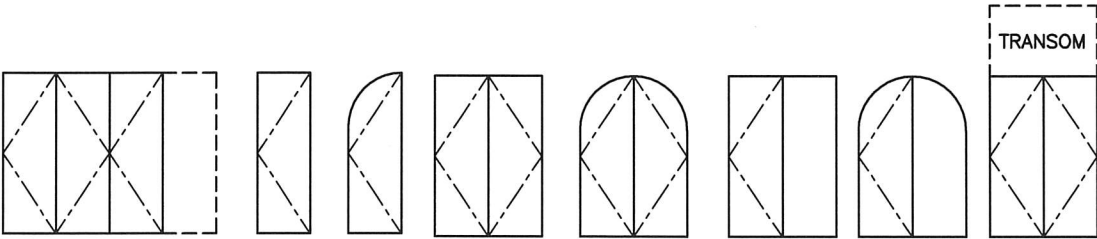


PALMETTO SERIES
BRONZE OUTSWING DOORS

GENERAL NOTES:

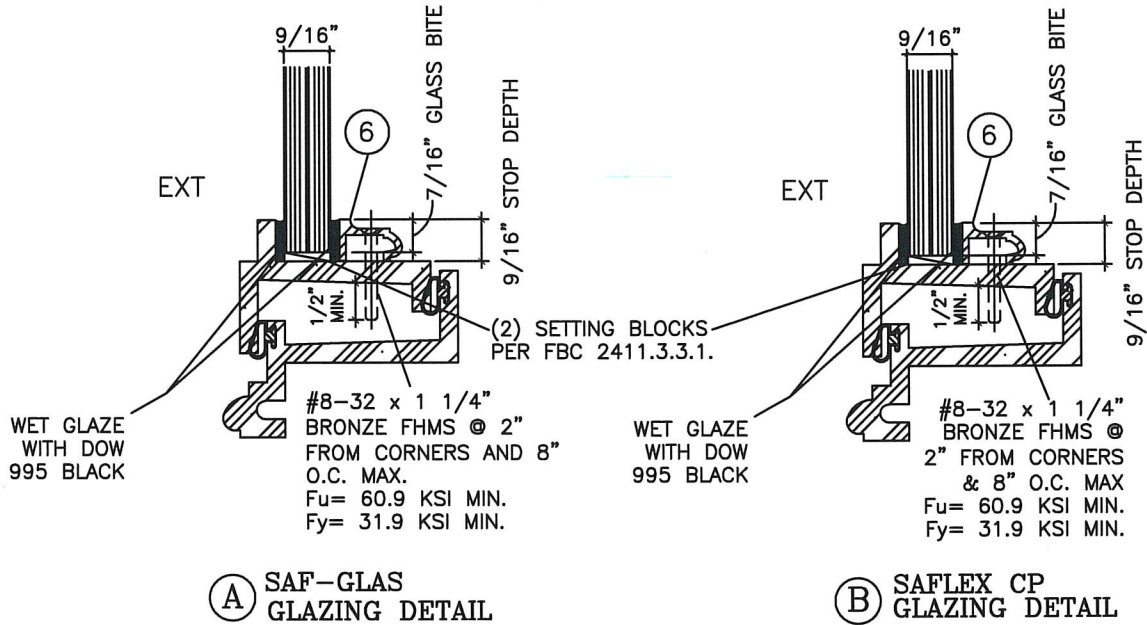
- 1. THIS APPROVAL APPLIES TO PALMETTO SERIES IMPACT RESISTANT DOORS WHEN CONSTRUCTED AND INSTALLED AS DESCRIBED HEREIN.
- 2. APPROVED CONFIGURATIONS ARE SHOWN BELOW.
- 3. ALLOWABLE DESIGN PRESSURES: +/-70 PSF
- 4. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 7TH EDITION (2020) FLORIDA BUILDING CODE , INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS.
- 5. THESE DOORS ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
- 6. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
- 7. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 8. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
- 9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC REQUIREMENTS
- 10. WIND LOAD ALLOWABLE STRESS INCREASES WERE NOT USED IN THIS APPROVAL. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS.
- 11. DOORS SHALL BE GLAZED IN ACCORDANCE WITH DETAIL A AND B ON THIS SHEET AND THE TABLE BELOW.
- 12. CORNER CONSTRUCTION - SEE CORNER CONSTRUCTION DETAILS ON SHEETS 13-15.



APPROVED CONFIGURATIONS
SEE SHEET 2 FOR SIZE LIMITATIONS
TRANSOMS & SIDELITES ARE PER SEPARATE NOA

GLASS TYPE	GLASS THICKNESS	LAYERS	PRESSURE
SAF-GLAS (GLASS TYPE A)	9/16"	1. 3/16" HEAT STRENGTHENED GLASS 2. 0.025" URETHANE ADHESIVE 3. 0.125" POLYCARBONATE INTERLAYER BY SAF-GLAS, LLC 4. 0.025" URETHANE ADHESIVE 5. 3/16" HEAT STRENGTHENED GLASS	+70/-70 PSF
SAFLEX CP (GLASS TYPE B)	9/16"	1. 1/4" HEAT STRENGTHENED GLASS 2. 0.075" SAFLEX STORM INTERLAYER BY EASTMAN CHEMICAL CO. 3. 1/4" HEAT STRENGTHENED GLASS	+70/-70 PSF

DRAWING INDEX	
SHT. NO.	DESCRIPTION
1	NOTES AND GLAZING DETAILS
2	DOOR ELEVATIONS
3	BILL OF MATERIALS
4	MOUNTING OPTIONS
5 - 7	SECTION DETAILS
8	EXTRUSION PROFILES
9 - 13	HARDWARE DETAILS
13 - 15	ISOMETRIC VIEWS
15	MOLDING OPTIONS



SCOTT WOLTERS
LICENSED
No. 62354

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCOTT WOLTERS
FLPE# 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

PALMETTO SERIES BRONZE DOORS

HISTORICAL ARTS & CASTING, INC.
5580 WEST BALLYO PARK RD., WEST JORDAN, UT. 84088-5842
PHONE 801-280-2400
FAX 801-280-2493

12/19/22

RKH

9/4/19 - CODE UPDATE

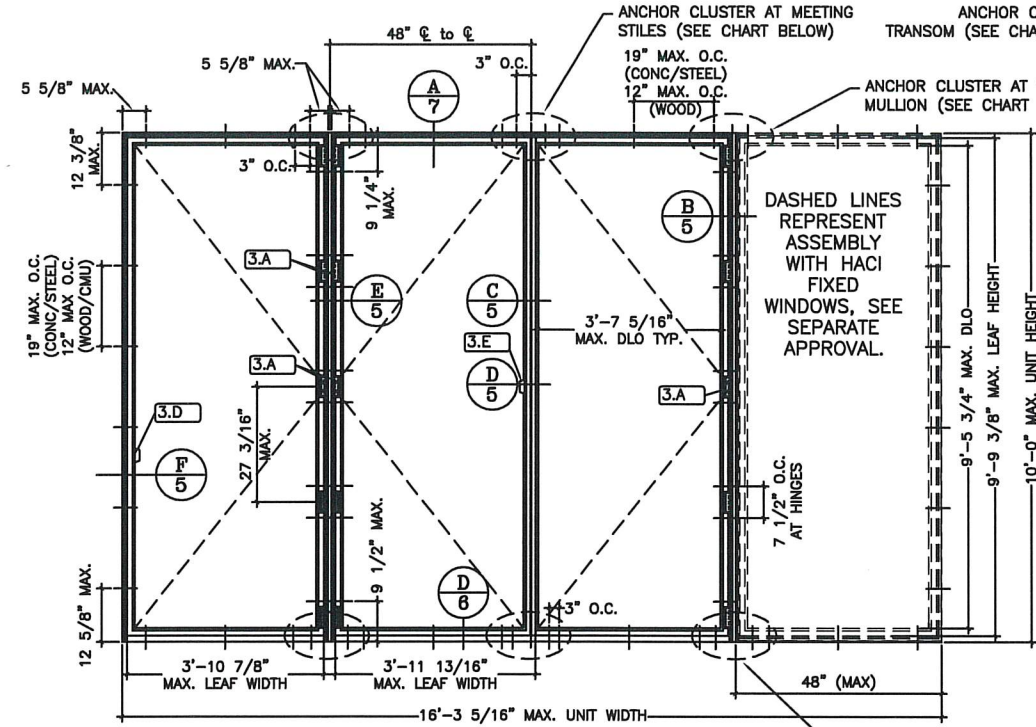
NOTES

REVISIONS

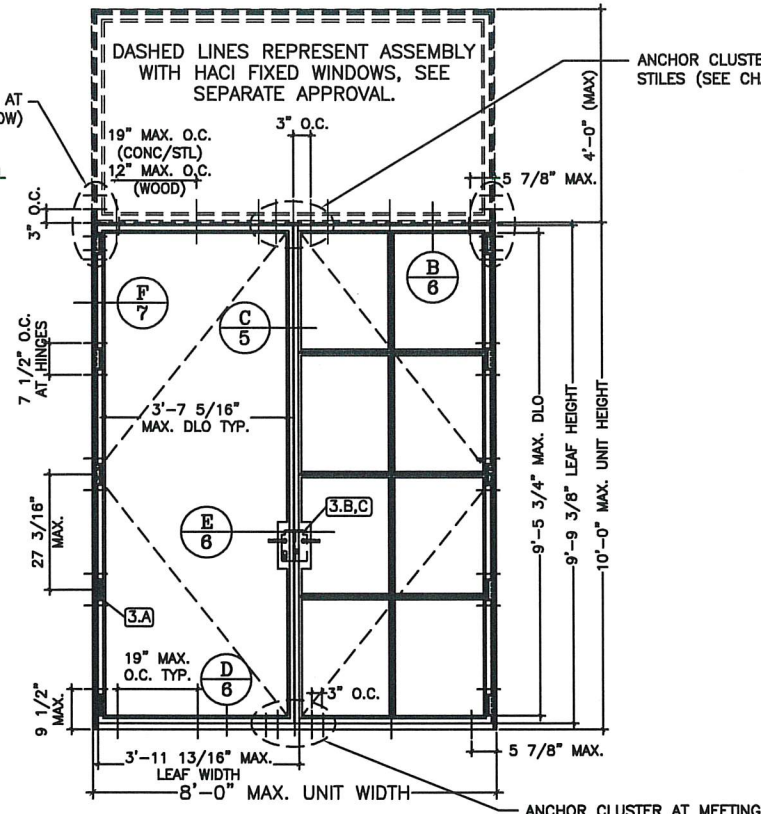
1 OF 15

PALMETTO SERIES DOORS

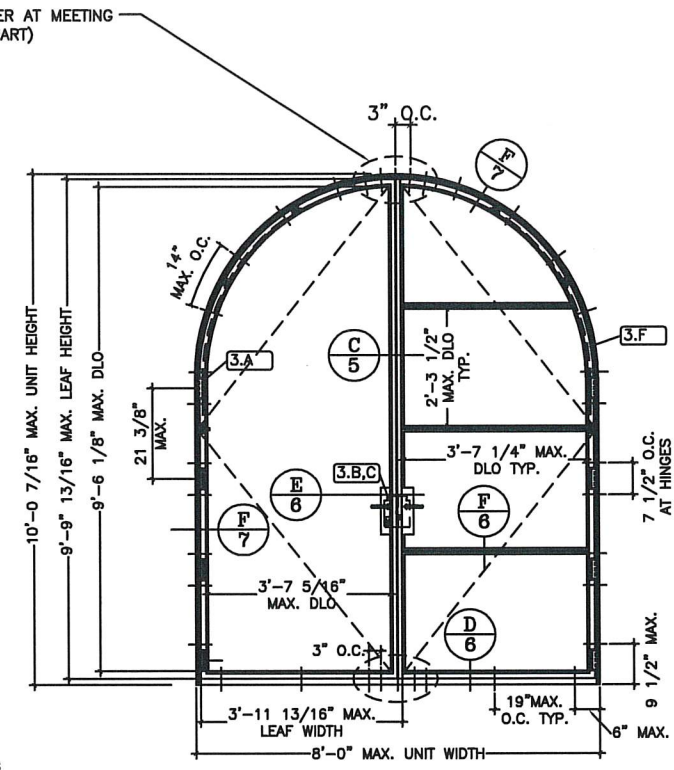
NOTE: MUNTINS OPTIONAL



1 OUTSWING PAIR MULLED WITH SINGLE AND FIXED SIDELITE
LOCK OPTIONS 5 (PAIR) AND 1 (SINGLE) SHOWN
(EXTERIOR VIEW)



2 OUTSWING PAIR WITH TRANSOM
LOCK OPTION 4 SHOWN
(EXTERIOR VIEW)



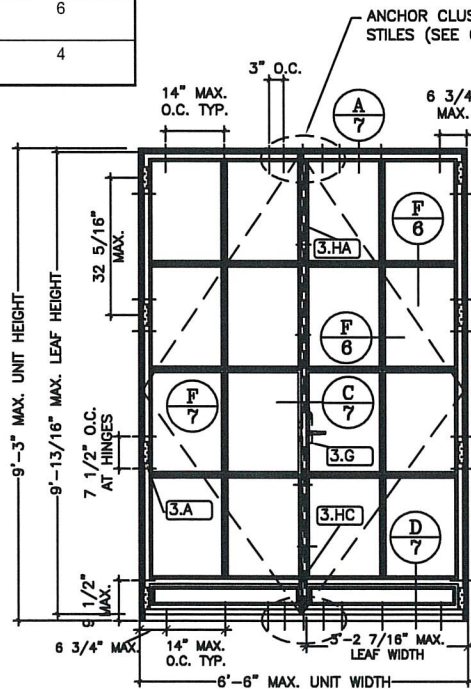
3 OUTSWING PAIR WITH ROUND TOP
LOCK OPTION 6 SHOWN
(EXTERIOR VIEW)

ANCHOR CLUSTER CHART				
SUBSTRATE	AT MEETING STILES AND MULLIONS**		AT TRANSOM	
	DOOR FRAME SIZE (WxH)		DOOR FRAME SIZE (WxH)	
	UP TO 6'-6" x 9'-3"	UP TO 8'-0" x 10'-0"	UP TO 6'-6" x 9'-3"	UP TO 8'-0" x 10'-0"
WOOD (S.G. ≥ 0.5)	6	8	6	8
CONCRETE (3000 psi)	5	6	4	6
CMU (ASTM C90)	N/A	N/A	4	6
STEEL/ALUMINUM (16 Ga / 1/8")	4	5	3	4

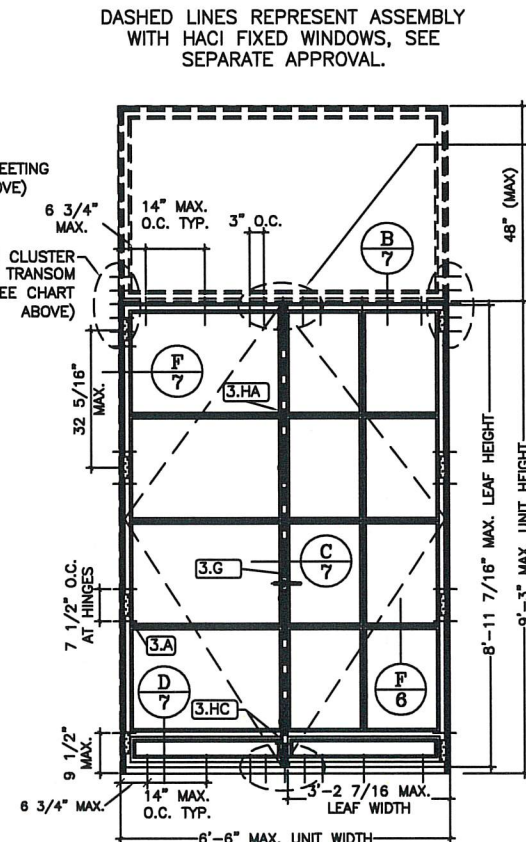
** CLUSTER ANCHORS ARE NOT REQUIRED AT MULLIONS IF THEY ARE INDEPENDENTLY ANCHORED TO THE BUILDING STRUCTURE.

HINGES (PART# 3A)	
MAX DOOR SIZE (FRAME SIZE)	HINGES REQUIRED (PER LEAF)
3'-3" x 9'-3" (SINGLE)	4
6'-6" x 9'-3" (PAIRS)	4
4'-0" x 10'-0" (SINGLE)	5
8'-0" x 10'-0" (PAIRS)	5
8'-0" x 10'-0" ROUND TOP (PAIRS ONLY)	4

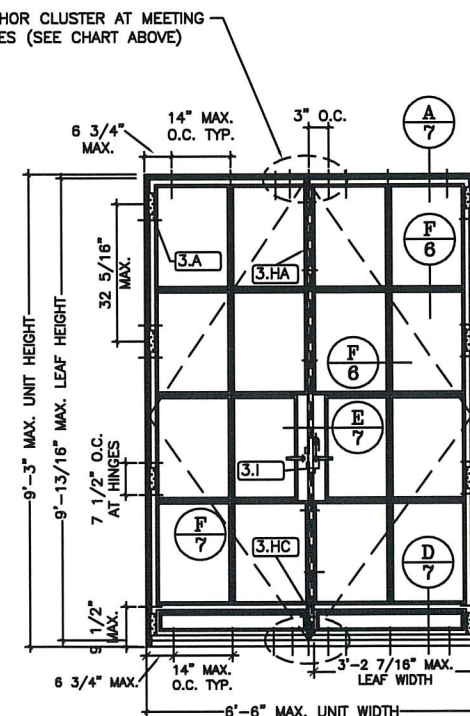
LOCK OPTIONS			
OPTION #	MAX DOOR SIZE (FRAME SIZE)	ACTIVE LEAF	INACTIVE LEAF
1	3'-3" x 9'-3" (SINGLE ONLY)	MULTI-POINT ROLLER LATCH WITH LEVER (PART# 3D)	N/A
2	3'-4 3/4" x 9'-3" (SINGLE) 6'-6" x 9'-3" (PAIRS)	MORTISE LOCK ASSEMBLY (PART# 3I)	FLUSH BOLTS (PART# 3H)
3	3'-3" x 9'-3" (SINGLE) 6'-6" x 9'-3" (PAIRS)	CREMONE BOLT ASSEMBLY (PART# 3G)	CREMONE BOLT ASSEMBLY (PART# 3G)
4	4'-0" x 10'-0" (SINGLE) 8'-0" x 10'-0" (PAIRS)	MORTISE GEAR LOCK (PART# 3B,3C)	MORTISE GEAR LOCK (PART# 3B,3C)
5	4'-0" x 10'-0" (SINGLE) 8'-0" x 10'-0" (PAIRS)	MULTI-POINT LEVER LOCK (PART# 3E)	MULTI-POINT LEVER LOCK (PART# 3E)
6	8'-0" x 10'-0" ROUND TOP (PAIRS ONLY)	MORTISE GEAR LOCK (PART# 3B,3C) WITH CURVED MULTI-POINT LOCK AT HEAD (PART# 3F)	MORTISE GEAR LOCK (PART# 3B,3C) WITH CURVED MULTI-POINT LOCK AT HEAD (PART# 3F)



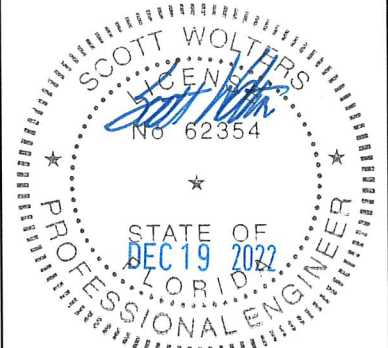
4 OUTSWING PAIR WITH OPTIONAL KICKPLATE
LOCK OPTION 3 SHOWN
(EXTERIOR VIEW)



5 OUTSWING PAIR WITH TRANSOM AND OPTIONAL KICKPLATE
LOCK OPTION 3 SHOWN
(EXTERIOR VIEW)



6 OUTSWING PAIR WITH OPTIONAL KICKPLATE
LOCK OPTION 2 SHOWN
(EXTERIOR VIEW)



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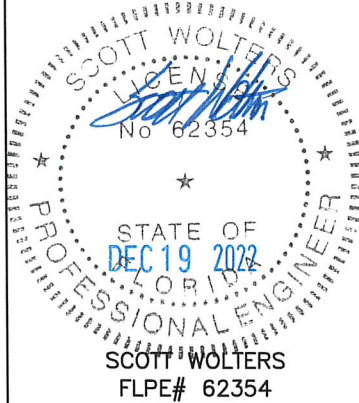
NOTES		REVISIONS	
2 OF 15		12/19/22 RKH	

BILL OF MATERIALS

INDEX	PART DESCRIPTION HACI-2009-W	MATERIAL	MFTR	DET/SHEET
	1. BRONZE EXTRUSIONS			
1	A. SILL-DW2000.01/CR99B1.1	BRONZE 385	HACI	1/8 OF 15
2	B. JAMB-DW2000.02/CR99B1.2	BRONZE 385	HACI	2/8 OF 15
3	C. HEAD-DW2000.03 /CR99B1.3	BRONZE 385	HACI	3/8 OF 15
4	D. SASH-DW2000.04/CR99B2.1	BRONZE 385	HACI	4/8 OF 15
5	E. MUNTIN-DW2000.05/CR99B2.2	BRONZE 385	HACI	5/8 OF 15
6	F. GLASS STOP-DW2000.06/CR99B3	BRONZE 385	HACI	6/8 OF 15
20	G. MEETING STILE-DW2000.07/CR99B2.3	BRONZE 385	HACI	20/8 OF 15
7	H. MEETING STILE-DW2000.08	BRONZE 385	HACI	7/8 OF 15
8	I. MEETING STILE-DW2000.09	BRONZE 385	HACI	8/8 OF 15
21	J. TRANSOM WINDOW AND DOOR	BRONZE 385	HACI	21/8 OF 15
	HEADER - CR99B1.7			
	1.K AND 1.L WERE NOT USED			
10	M. MACHINED MOLDING-DW2000.MP1	S.S. 304	HACI	10/8 OF 15
11	N. MACHINED BAR-DW2000.MP2	S.S. 304	HACI	11/8 OF 15
12	O. MACHINED BAR-DW2000.MP3	S.S. 304	HACI	12/8 OF 15
13	P. MACHINED BAR-DW2000.MP4	S.S. 304	HACI	13/8 OF 15
14	Q. MACHINED BAR-DW2000.MP5	S.S. 304	HACI	14/8 OF 15
15	R. MACHINED BAR-DW2000.MP6	S.S. 304	HACI	15/8 OF 15
16	S. MACHINED BAR-DW2000.MP7	S.S. 304	HACI	16/8 OF 15
17	T. MACHINED BAR-DW2000.MP8	S.S. 304	HACI	17/8 OF 15
	U. KICK PLATE HORIZONTAL DIVIDER	BRONZE 385	HACI	
	V. KICK PLATE SPACER CHANNELS	BRONZE 385	HACI	
	W. 1/8" BRONZE INTERIOR FILLER PLATE	BRONZE 385	HACI	
	X. 1/8" BRONZE EXTERIOR FILLER PLATE	BRONZE 385	HACI	
19	Y. KICK PLATE-DW2000.13/CR99B2.4	BRONZE 385	HACI	19/8 OF 15
22	Z. KICK PLATE W/ NOTCH-CR99B2.4A	BRONZE 385	HACI	22/8 OF 15
	2. GASKETS			
23	A. 7/16" GASKET-DW2000.G1	SILICONE	WEST COAST	23/8 OF 15
24	B. 3/8" GASKET-CR99S6	SILICONE	WEST COAST	24/8 OF 15
25	C. MEETING STILE GASKET-CR99S6A	SILICONE	WEST COAST	25/8 OF 15
	3. HARDWARE			
	A. 5" HINGE			1/9 OF 15
	A. FINIAL	BRASS 360	HACI	
	B. 1/4" S.S. HINGE PIN	S.S. 304	HACI	
	C. JAMB LEAF	BRASS 360	HACI	
	D. SASH LEAF	BRASS 360	HACI	
	B. MULTI-POINT MORTISE GEAR LOCK			2/9 OF 15
	A. DOG	BRASS 360	HACI	
	B. DOG PIN	S.S. 304	HACI	
	C. #10 FHMS	BRASS 360	HACI	
	D. SLIDE BLOCK	BRASS 360	HACI	
	E. ACTIVE WING BAR	BRASS 360	HACI	
	F. GU LOCK 8778107 90041	BRASS 360	HACI	
	H LS9000 MP GEAR M/45/25/09			
	G. 3/16" X 3/8"-8/32" ROLLER SHOULDER SCREW	S.S. 304	HACI	
	H. ACTIVE WING COVER PLATE	BRASS 360	HACI	
	I. ROD #1	BRASS 360	HACI	
	J. ROD #2	BRASS 360	HACI	
	K. ROD #3	BRASS 360	HACI	
	L. #8 FHMS	BRASS 360	HACI	
	M. INACTIVE WING COVER PLATE #1	BRASS 360	HACI	
	N. INACTIVE WING COVER PLATE #2	BRASS 360	HACI	
	O. INACTIVE WING COVER PLATE #3	BRASS 360	HACI	
	P. INACTIVE WING COVER PLATE #4	BRASS 360	HACI	
	Q. RECEIVER	BRASS 360	HACI	
	R. FLUSH BOLT	BRASS 360	HACI	
	S. INACTIVE WING BAR	BRASS 360	HACI	
	T. INACTIVE WING ROD	BRASS 360	HACI	
	U. ROD CONNECTOR #1	BRASS 360	HACI	
	V. ROD CONNECTOR #2	BRASS 360	HACI	
	W. CAM	BRASS 360	HACI	
	C. MULTI-POINT MORTISE GEAR LOCK			
	A. MEETING STILE-DW2000.09	BRASS 360	HACI	
	B. MEETING STILE-DW2000.08	BRASS 360	HACI	
	C. SILICONE GASKET-DW2000.G1	SILICONE	HACI	
	D. ACTIVE COVER BOX	BRASS 360	HACI	
	E. INACTIVE INTERIOR COVER PLATE	BRASS 360	HACI	
	F. INACTIVE EXTERIOR COVER PLATE	BRASS 360	HACI	
	G. INACTIVE COVER BOX	BRASS 360	HACI	
	H. GU LOCK 8778107 90041 H LS9000 MP GEAR M/45/25/09	BRASS 360	HACI	
	I. HANDLE	BRASS 360	HACI	
	J. STEEL INSERT-DW.2000.MP3	S.S. 304	HACI	
	K. STEEL INSERT-DW.2000.MP4	S.S. 304	HACI	
	L. RECEIVER	BRASS 360	HACI	
	M. LOCK FACEPLATE	BRASS 360	HACI	
	N. STRIKE PLATE	BRASS 360	HACI	
	O. #8 FHMS	BRASS 360	HACI	
	P. #10 FHMS	BRASS 360	HACI	
	Q. ACTIVE EXTERIOR COVER PLATE	BRASS 360	HACI	

PART DESCRIPTION HACI-2009-W	MATERIAL	MFTR	DET/SHEET
3. HARDWARE (CONTINUED)			
D. MULTI-POINT ROLLER LATCH			1/10 OF 15
A. #10 FHMS	BRASS 360	HACI	
B. ROLLER SHOULDER SCREW	S.S. 304	HACI	
C. ROLLER	BRASS 360	HACI	
D. TOP GUIDE	BRASS 360	HACI	
E. LEVER	BRASS 360	HACI	
F. WINDOW LEVER HOUSING	BRASS 360	HACI	
G. WASHER	DELFIN	HACI	
H. LEVER LINKAGE	BRASS 360	HACI	
I. GUIDE	BRASS 360	HACI	
J. ROD	BRASS 360	HACI	
K. ROLLER DOCK	BRASS 360	HACI	
L. #10 PHMS	BRASS 360	HACI	
M. WASHER	BRASS 360	HACI	
N. ROD LINKAGE ARM	BRASS 360	HACI	
O. BOLT	BRASS 360	HACI	
P. FINGER PULL	BRONZE 385	HACI	
E. MULTI-POINT LEVER LOCK			1/11 OF 15
A. RECEIVER COVER	BRASS 360	HACI	
B. #10 FHMS	BRASS 360	HACI	
C. UPPER COVER	BRASS 360	HACI	
D. LOCK COVER	BRASS 360	HACI	
E. FINGER PULL	BRONZE 385	HACI	
F. GEAR TRAVEL	BRASS 360	HACI	
G. DOG	BRASS 360	HACI	
H. ROD #1	BRASS 360	HACI	
I. ROD #2	BRASS 360	HACI	
J. BOTTOM COVER	BRASS 360	HACI	
K. SLIDE BLOCK	BRASS 360	HACI	
L. 3/16" X 3/8"-8/32" SHOULDER SCREW	S.S. 304	HACI	
M. DOOR LEAF INSERT	BRASS 360	HACI	
N. ROD #3	BRASS 360	HACI	
O. ROD #4	BRASS 360	HACI	
P. DOG PIN	S.S. 304	HACI	
Q. #8 FHMS	BRASS 360	HACI	
R. ACTUATOR BRACKET BOTTOM	BRASS 360	HACI	
S. CAM GEAR	BRASS 360	HACI	
T. ACTUATOR BRACKET TOP	BRASS 360	HACI	
U. HANDLE MOUNTING BLOCK	BRASS 360	HACI	
V. HANDLE	BRASS 360	HACI	
W. ROD #5	BRASS 360	HACI	
X. DOOR LEAF INSERT	BRASS 360	HACI	
F. MULTI-POINT LOCK (ROUNDED UNIT)			1/12 OF 15
A. DOG RECEIVER	BRASS 360	HACI	
B. #10 FHMS	BRASS 360	HACI	
C. SLIDE BLOCK MOUNTING BRACKET	BRASS 360	HACI	
D. DOG	BRASS 360	HACI	
E. DOG PIN	BRASS 360	HACI	
F. SLIDE BLOCK	BRASS 360	HACI	
G. #8 FHMS	BRASS 360	HACI	
H. BUTTON RECEIVER	BRASS 360	HACI	
I. SLIDE BAR BRACKET I	BRASS 360	HACI	
J. BUTTON	BRASS 360	HACI	
K. SLIDE BAR	S.S. 304	HACI	
L. SLIDE BAR BRACKET II	BRASS 360	HACI	
M. HANDLE BRACKET	BRASS 360	HACI	
N. HANDLE	BRASS 360	HACI	
G. CREMONE BOLT			1/13 OF 15
A. CREMONE BOX-CR99B4.3A	BRONZE 385	HACI	
B. 4) #10-24X1/2 F.H.M SCREW	BRASS 360	HACI	
C. COVER PLATE CR99B4.3B	BRONZE 385	HACI	
C1. 2) 8/32 X1/4 F.H.M SCREW	BRASS 360	HACI	
D. ROCKER ARM CR99B4.3C	BRONZE 385	HACI	
E. DOGS ONE RH CR99B4.3DR	BRASS 360	HACI	
F. DOGS ONE RL CR99B4.3DL	BRASS 360	HACI	
G. LEVER HANDLE CR99B4.3HL	BRONZE 385	HACI	
H. LEVER BOLT CR99B4.3F	BRONZE 385	HACI	
I. CREMONE BOX-CR99B4.3G	BRONZE 385	HACI	
J. 3) 1/4-20X 1/2 F.H.M.SCREWS	BRASS 360	HACI	
K. CREMONE ROD-CR99B4.3HR	BRASS 360	HACI	
L. CREMONE ROD-CR99B4.3HL	BRASS 360	HACI	
M. 2) CREMONE STRIKES-CR99B4.3I	BRASS 360	HACI	
N. 2) 3/8" BRASS ROLLER	BRASS 360	HACI	
O. 2) 3/16" S.S.DOWL PIN	S.S. 304	HACI	
P. 4) 10/32X3/8 F.H.M. SCREW	BRASS 360	HACI	
Q. 7) ROD GUIDE-CR99B4.3J1	BRONZE 385	HACI	
S. 14) 10-24X1/2 F.H.M.B.		HACI	
T. 7) 1/4" BALL PLUNGER	BRASS 360	HACI	
U. 2) LATCH BRACKETS RH CR99B4.3LR	BRONZE 385	HACI	
V. 6) #10-24X3/4 F.H.M.B. BRASS	BRASS 360	HACI	
W. 2) LATCH BRACKETS LH CR99B4.3LL	BRONZE 385	HACI	
X. 6) #10-24x3/4 F.H.M.SCREW	BRASS 360	HACI	
Y. FIXED HANDLE CR99B4.3M	BRONZE 385	HACI	
Z. 4) LOCKING LATCH-CR99B4.3KA	BRONZE 385	HACI	
AA. 4) 1/4-20X1/2 F.H.M.B.BRASS	BRASS 360	HACI	
AB. ROD GUIDE W/ LOCKING MECH..	BRONZE 385	HACI	
AC. 2) 1/4 20 FHM SCREWS BRASS	BRASS 360	HACI	
AD. FIXED HANDLE	BRONZE 385	HACI	

PART DESCRIPTION	MATERIAL	MFTR	DET/SHEET
HACI—2009—W			
3. HARDWARE (CONTINUED)			
H. FLUSH BOLTS			
A. FLUSH BOLT (LOWER)—CR99B4.7B	BRASS 360	HACI	2/10 OF 15
B. 4) 10/24X1/2 F.H.M SCREW	BRASS 360	HACI	
C. FLUSH BOLT (UPPER)—CR99B4.7C	BRASS 360	HACI	3/10 OF 15
D. 8) 10/24X1/2 F.H.M.B SCREW	BRASS 360	HACI	
E. FLUSH BOLT STRIKE PLATE	BRASS 360	HACI	
F. 4) 10/24X 3/4 F.H.M.B SCREW	BRASS 360	HACI	
I. MORTISE LOCK			2/12 OF 15
A. MORTISE HOUSING—CR99B4.7A	BRONZE 385	HACI	
D. REVERSE SHOOT BOLT—CR99B4.7D	BRONZE 385	HACI	
E. STRIKE PLATE—CR99B4.7E	BRASS 360	HACI	
F. 1/4"—20 BRASS FHMB.	BRASS 360	HACI	
G. STRIKE PLATE—CR99B4.7F	BRASS 360	HACI	
H. 1/4"—20 BRASS FHMB.	BRASS 360	HACI	



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PHONE 801-280-2400
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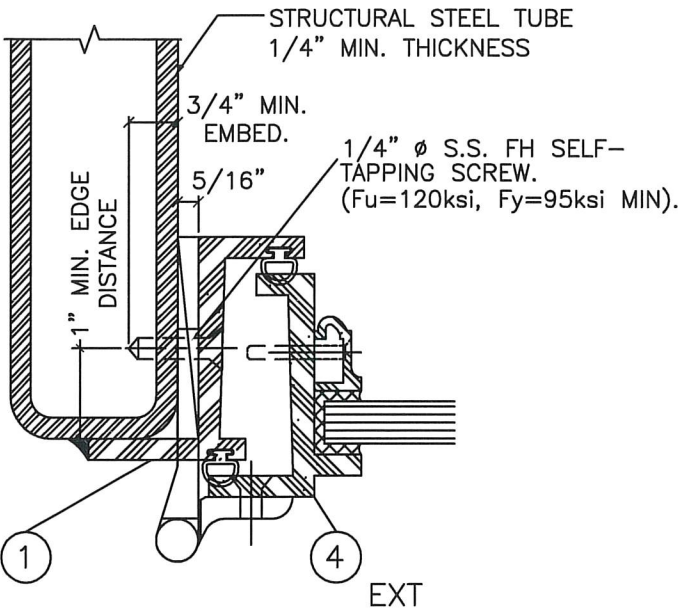
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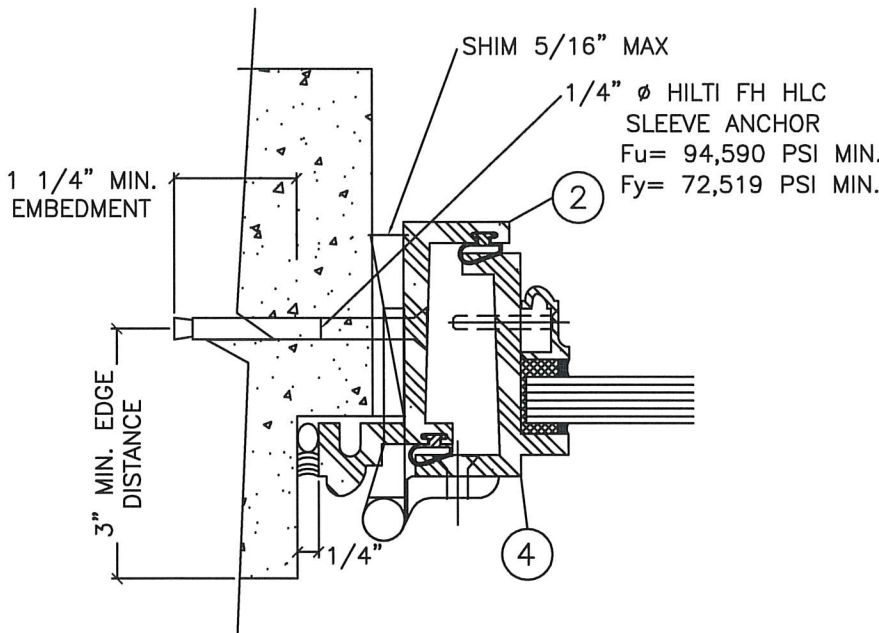
NOTES	REVISIONS
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3 OF 15

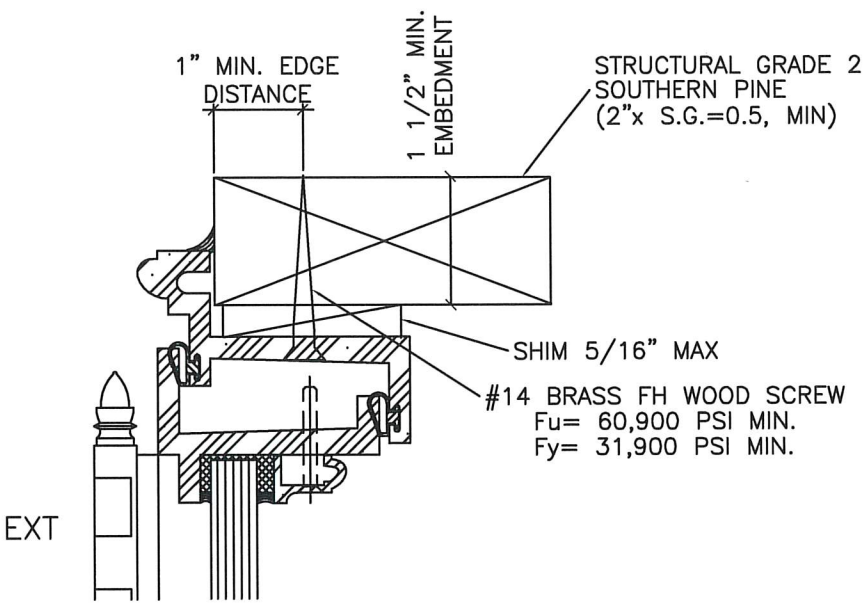
MOUNTING OPTIONS



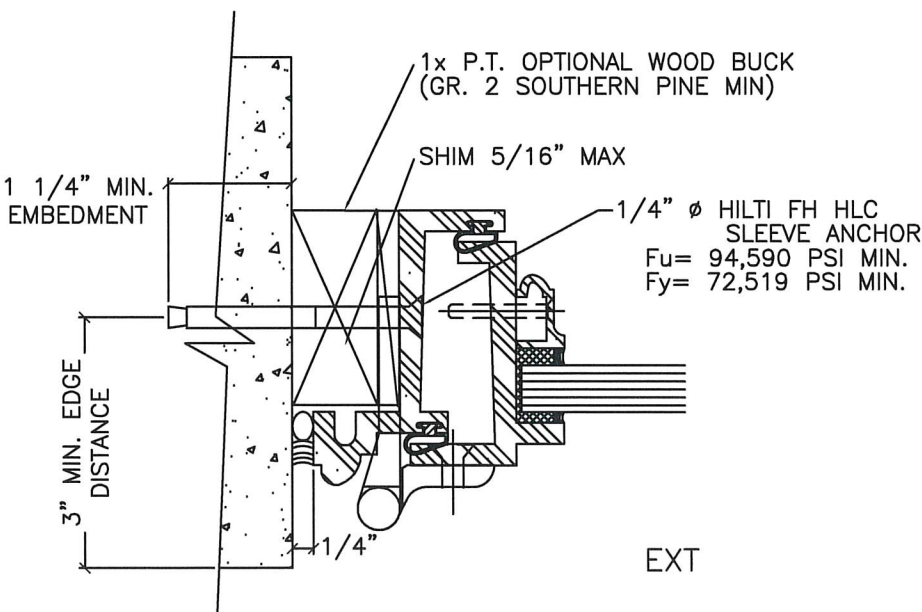
① MOUNT TO STEEL FRAME



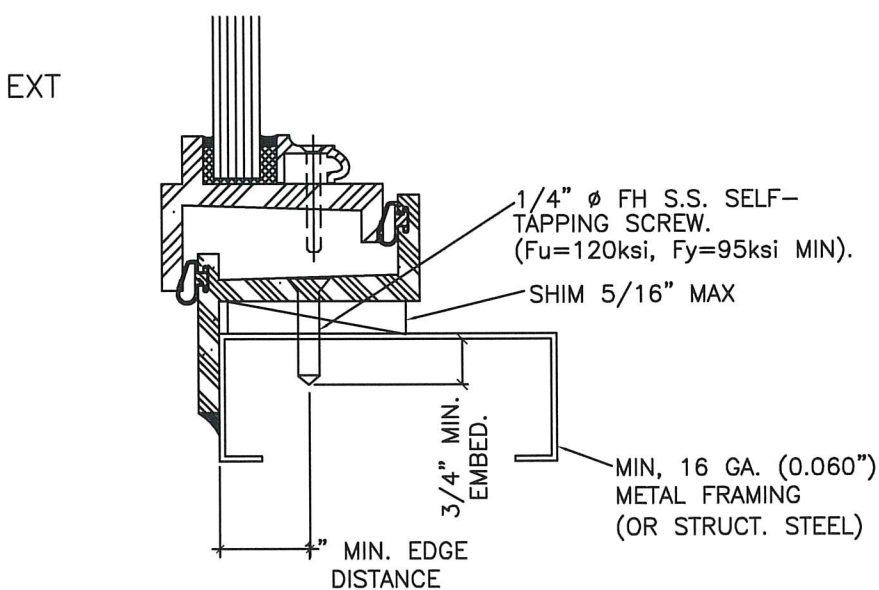
② MOUNT TO CONCRETE



③ MOUNT TO WOOD



④ MOUNT TO CMU
OPTIONAL WOOD BUCK
(JAMB ONLY)



⑤ MOUNT TO METAL STUD

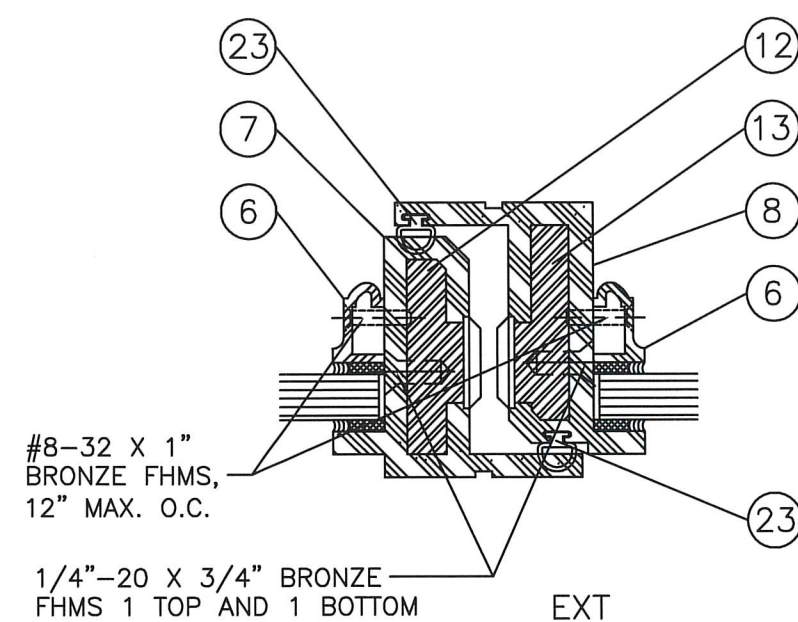
- ANCHOR/FASTENER NOTES:**
1. FASTENER LOCATIONS AND MAX SPACING ARE SHOWN IN THE ELEVATION VIEWS ON SHEET 2.
 2. OPTIONAL WOOD BUCKS (1"x MAX) MAY BE USED FOR INSTALLATIONS INTO CONCRETE OR STEEL. IF INSTALLED, WOOD BUCKS MUST BE ADEQUATELY FASTENED TO SAFELY TRANSFER LOADS FROM THE DOOR FRAME TO THE BUILDING STRUCTURE.
 3. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
 4. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
 5. METAL SUBSTRATES MUST MEET MIN. THICKNESS REQUIREMENTS PER FBC FOR WINDLOADS AND DEADLOADS (TO BE REVIEWED BY BUILDING OFFICIAL).

SCOTT WOLTERS
LICENSED PROFESSIONAL ENGINEER
No. 62354
STATE OF FLORIDA
DEC 19 2022
SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

PALMETTO SERIES BRONZE DOORS
HISTORICAL ARTS & CASTING, INC.
5580 WEST BAYVIEW PARK RD., WEST JORDAN, UT. 84088-5642
PHONE 801-280-2400 FAX 801-280-2493
12/19/22
RKH
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 LICENSE NO. 62354
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DEC 19 2022

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© MEETING STILE



PALMETTO SERIES BRONZE DOORS

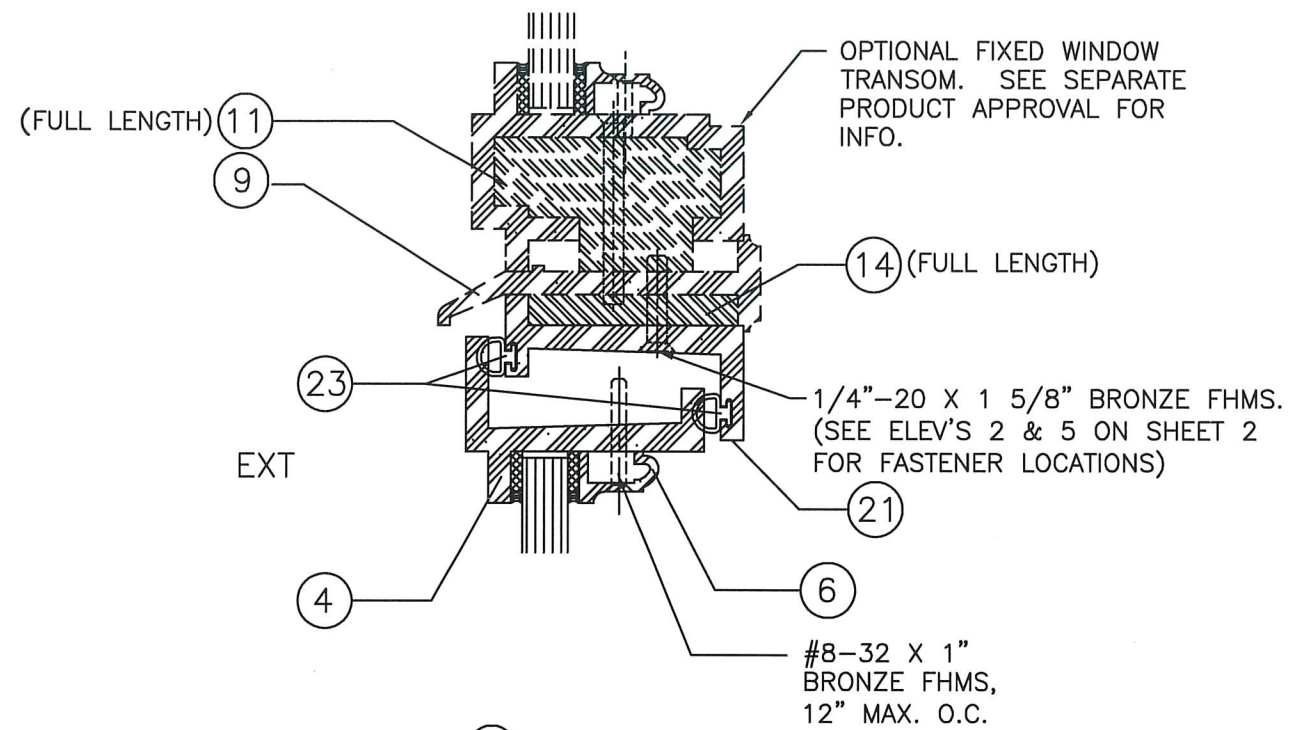
HISTORICAL ARTS & CASTING, INC.
5580 WEST BALLOY PARK RD., WEST JORDAN, UT. 84008-5642
PHONE 801-280-2400 FAX 801-280-2493

5580 WEST BALLOY PARK

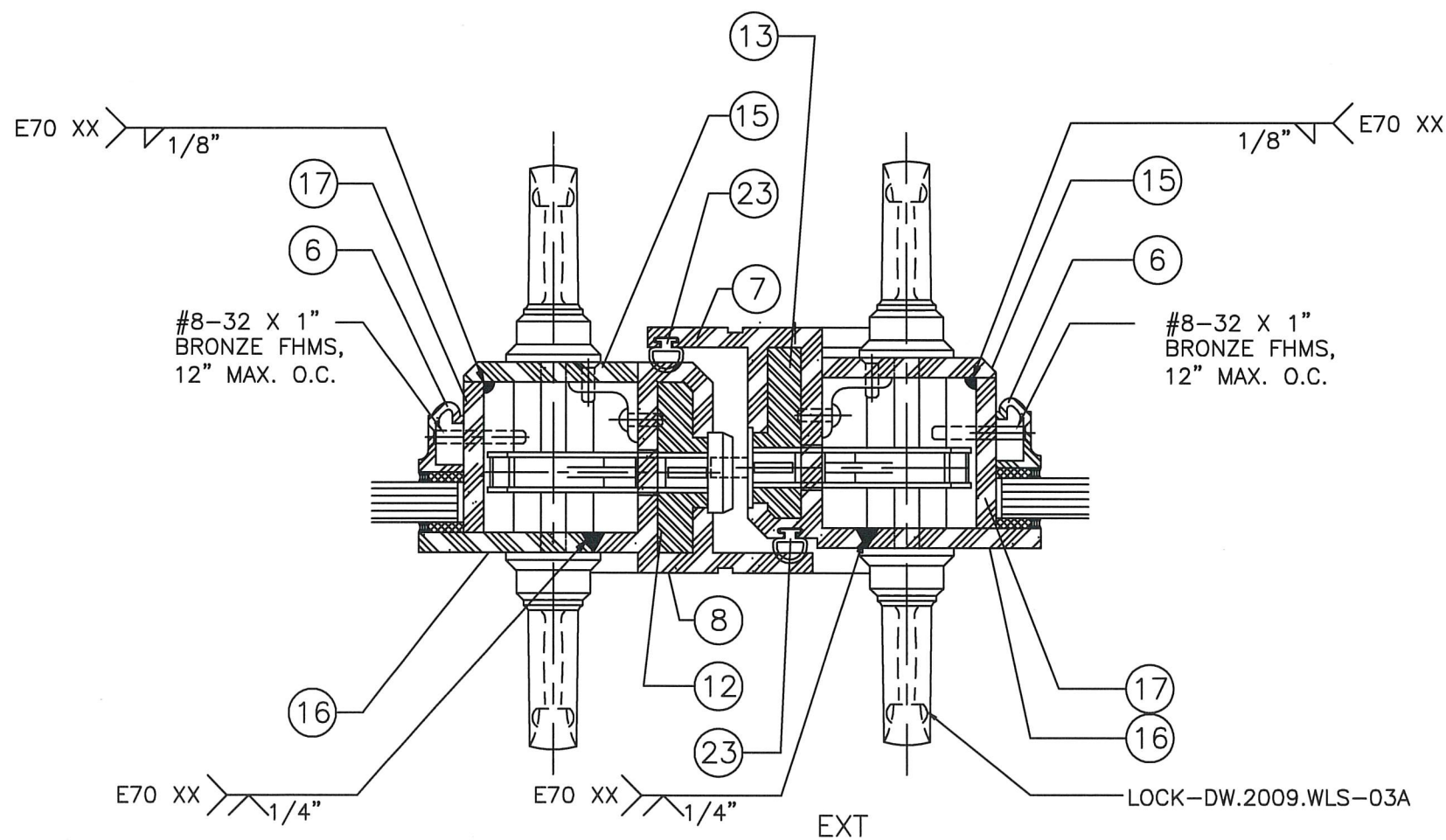
NOTES	REVISION
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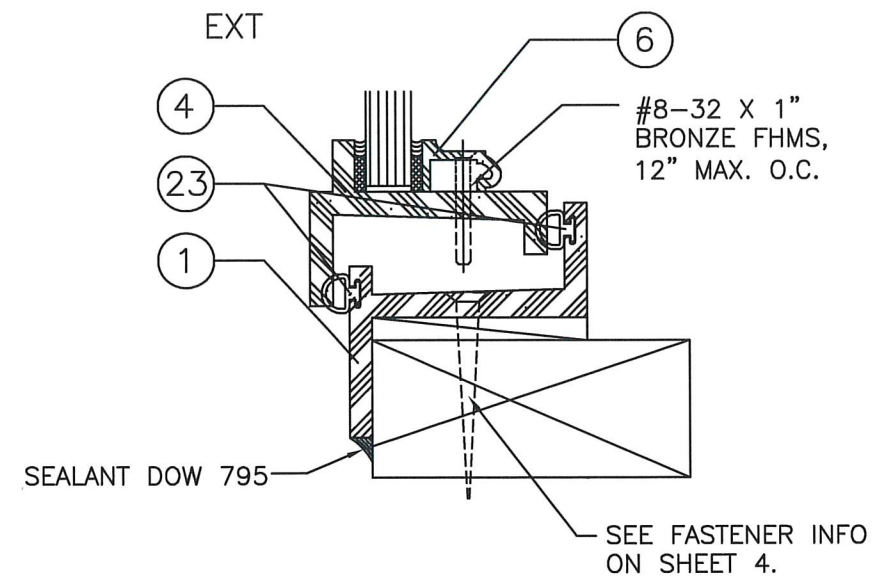
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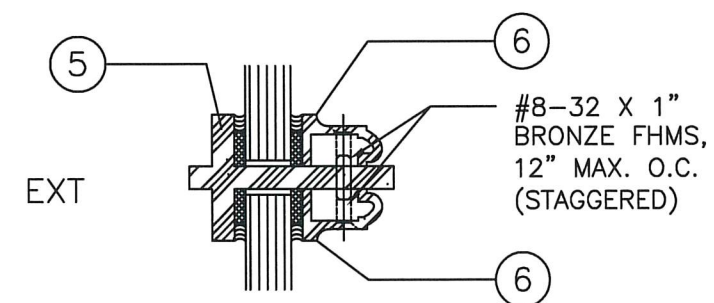
(B) TRANSOM
(ELEV'S 2/2 OR 5/2)



(E) MEETING STILE



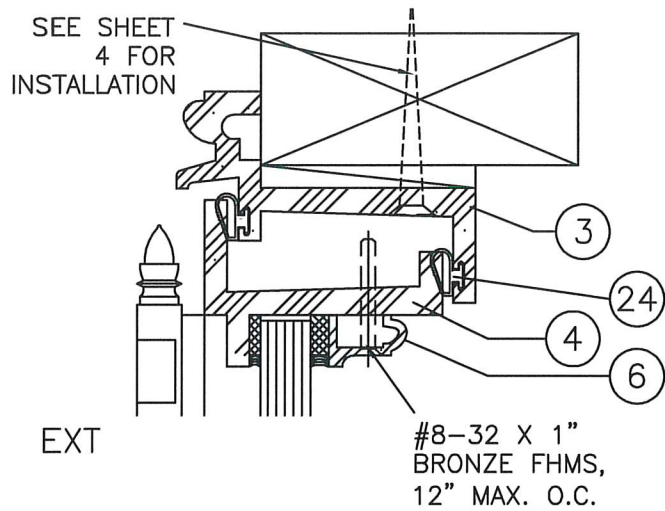
(D) SILL



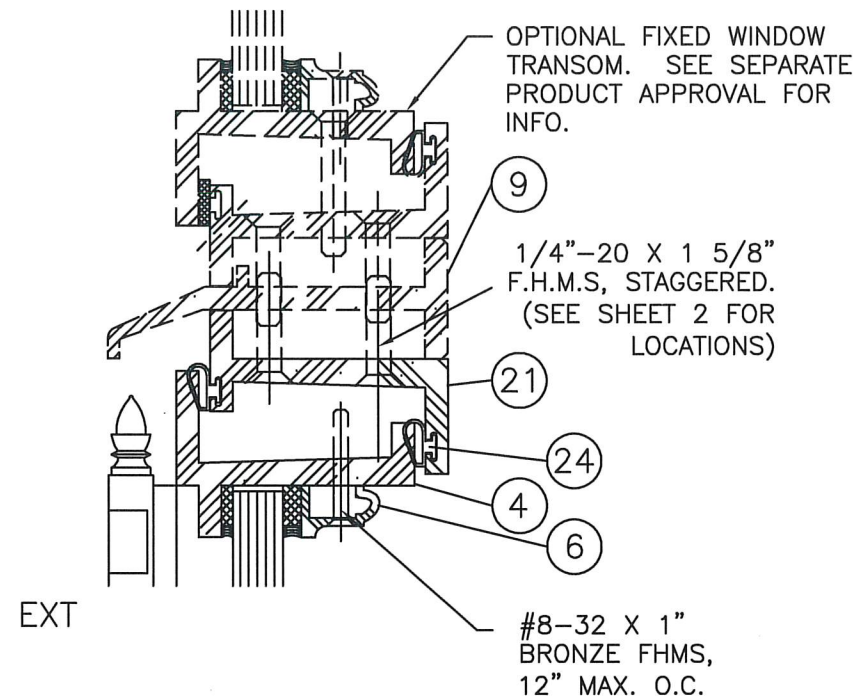
(F) MUTIN

SCOTT WOLTERS
LICENSED
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STATE OF
FLORIDA
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SCOTT WOLTERS
FLPE# 62354
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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

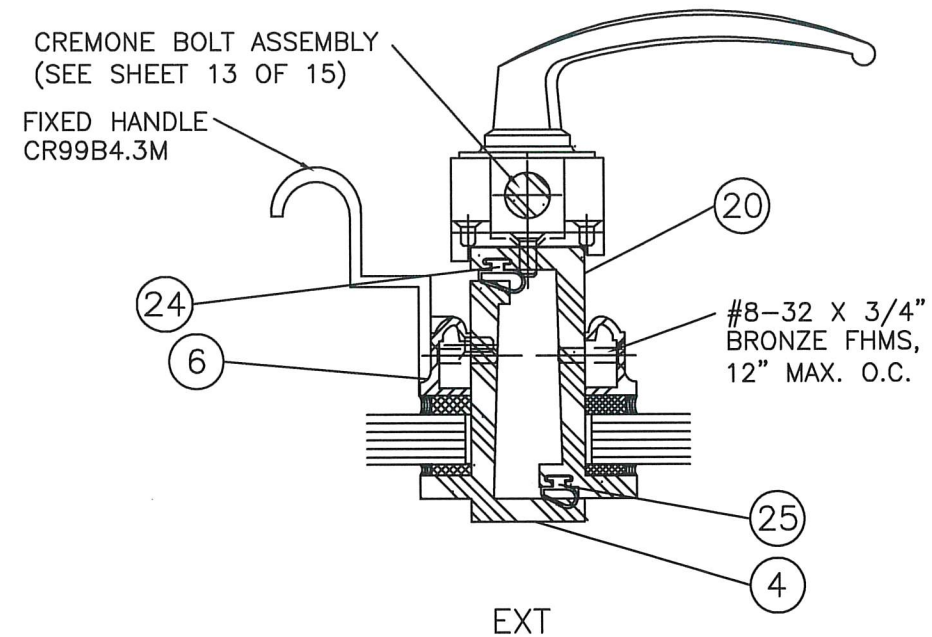
PALMETTO SERIES BRONZE DOORS				HISTORICAL ARTS & CASTING, INC.	
				5580 WEST BALLEW PARK RD., WEST JORDAN, UT. 84088-5642	
				PHONE 801-280-2400	
				FAX 801-280-2493	



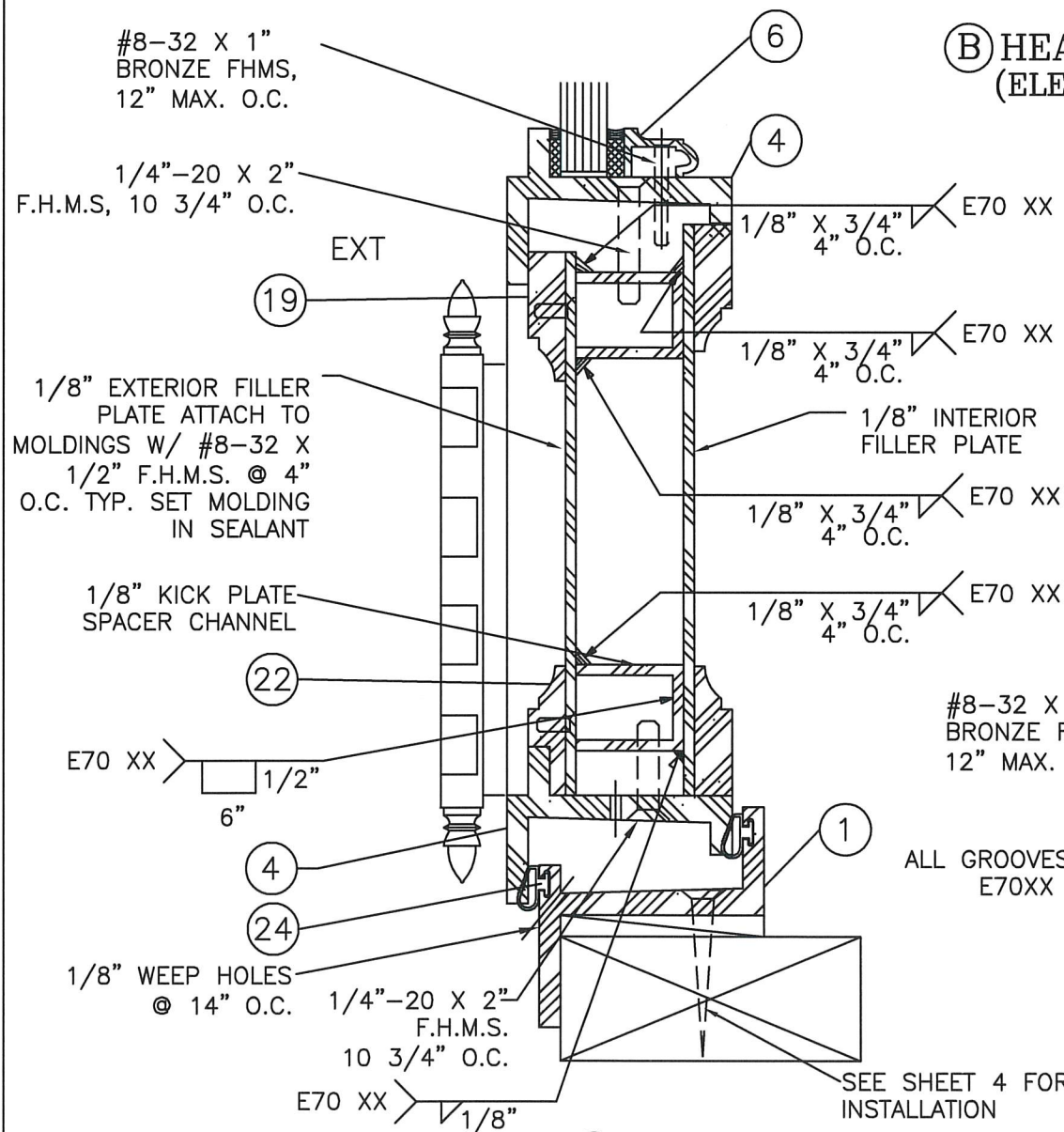
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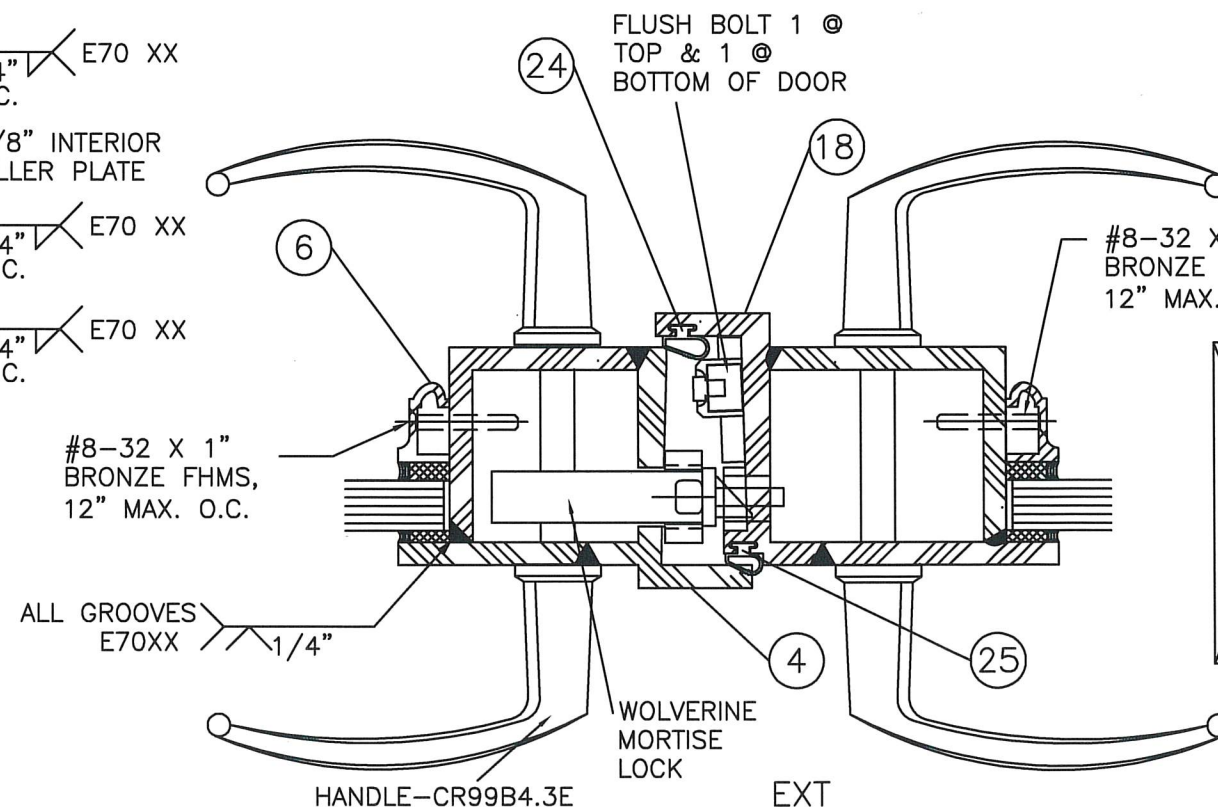
(B) HEAD/TRANSOM
(ELEV. 5/2 ONLY)



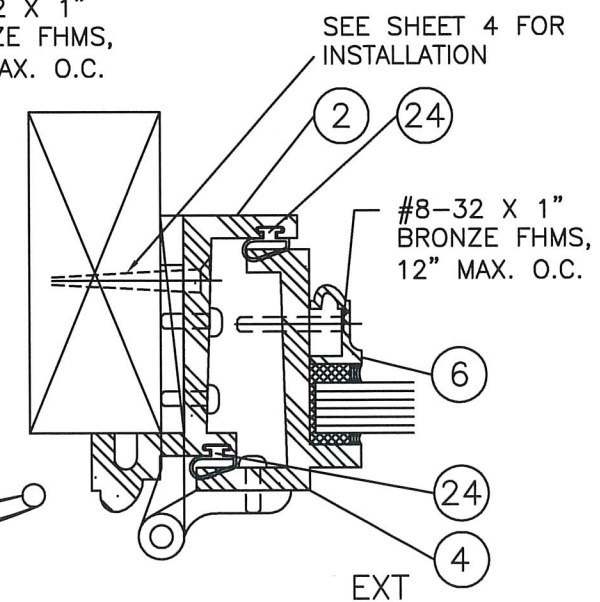
(C) MEETING STILE



(D) SILL



(E) MORTISE LOCK

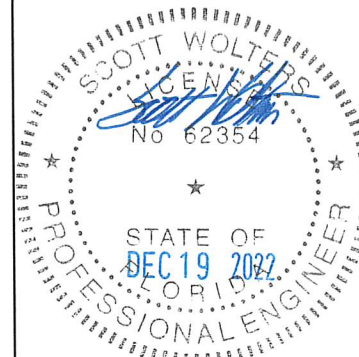
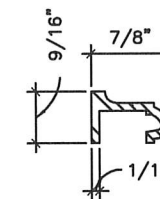
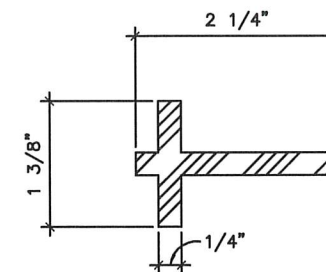
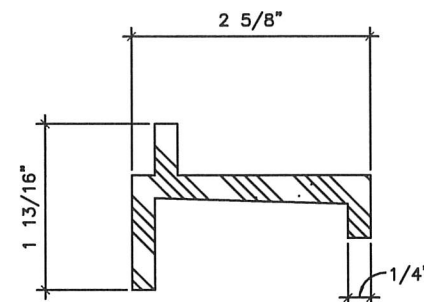
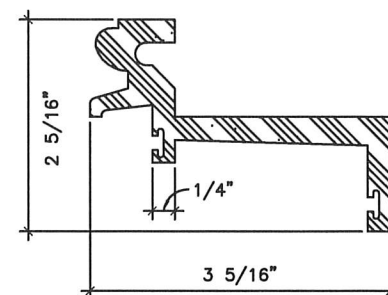
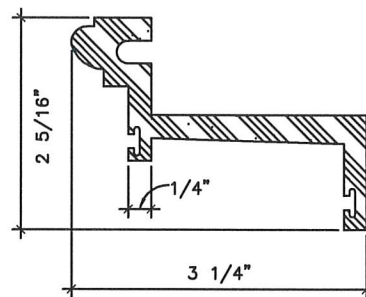
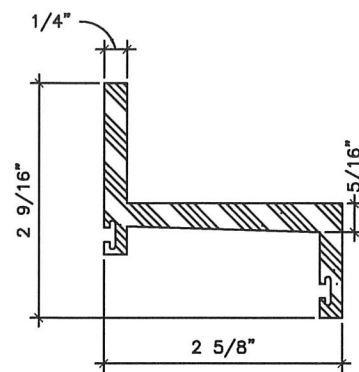


(F) JAMB



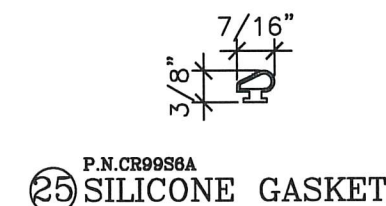
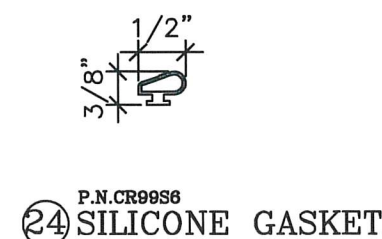
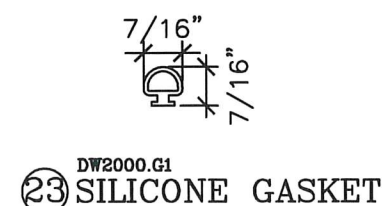
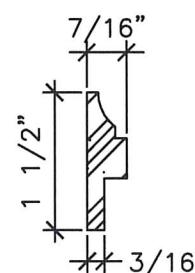
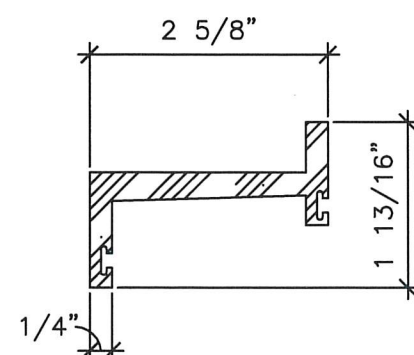
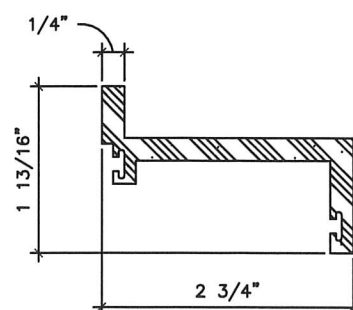
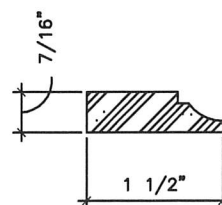
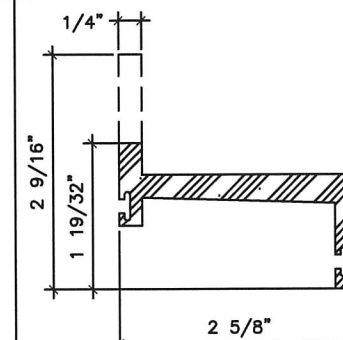
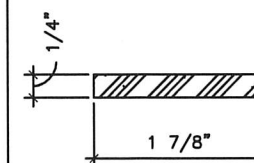
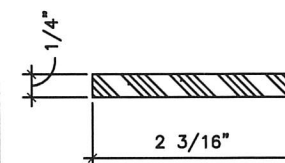
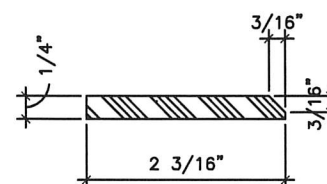
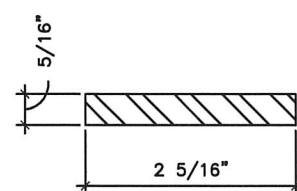
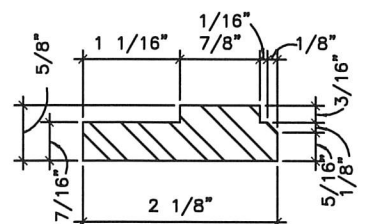
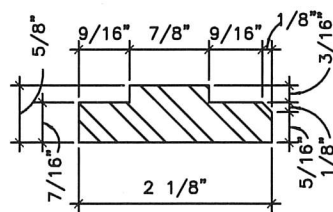
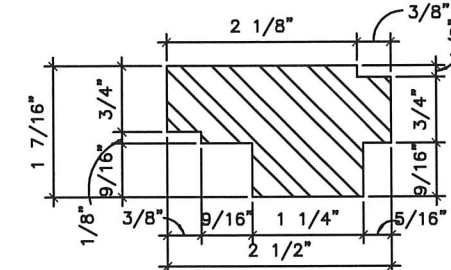
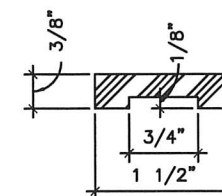
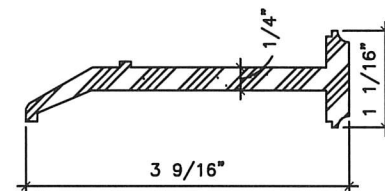
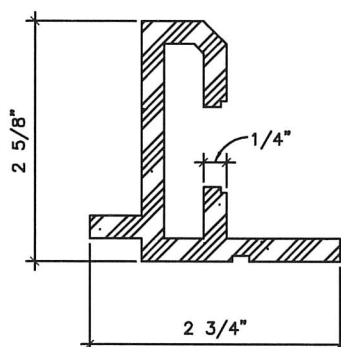
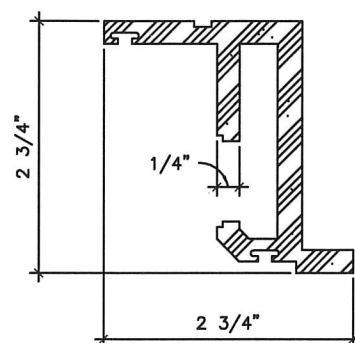
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WALTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

PALMETTO SERIES BRONZE DOORS		HISTORICAL ARTS & CASTING, INC.		5580 WEST BALLOY PARK RD., WEST JORDAN, UT. 84088-5642		PHONE 801-280-2400		FAX 801-280-2493	
NOTES		REVISIONS		12/19/22		RKH			
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EXTRUSION PROFILES

PAI.METTO SERIES BRONZE DOORS

HISTORICAL ARTS & CASTING, INC.
56580 WEST BALLOY PARK RD., WEST JORDAN, UT. 84080-5642
PHONE 801-280-2400 FAX 801-280-2493

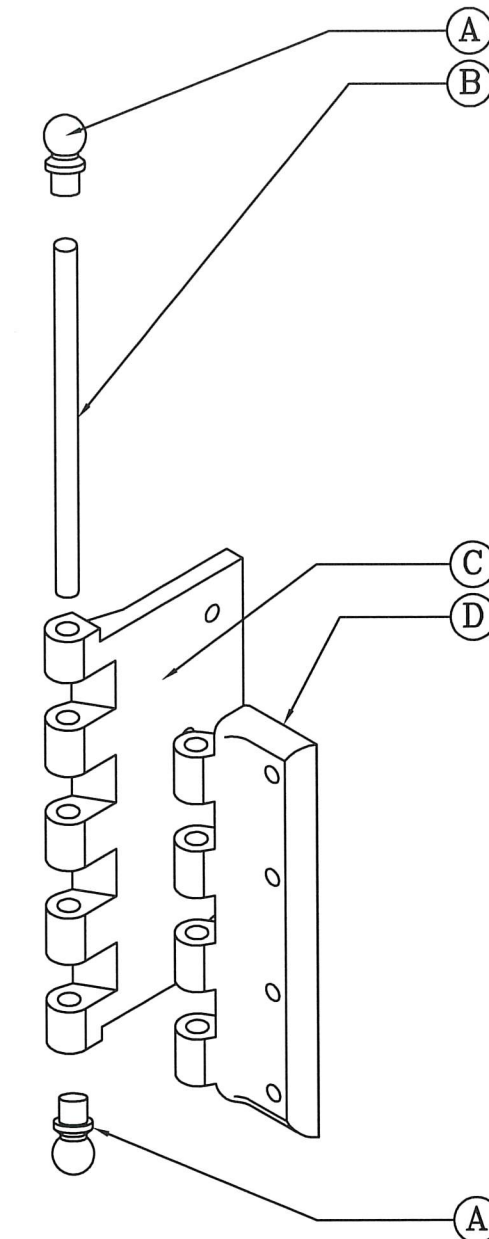
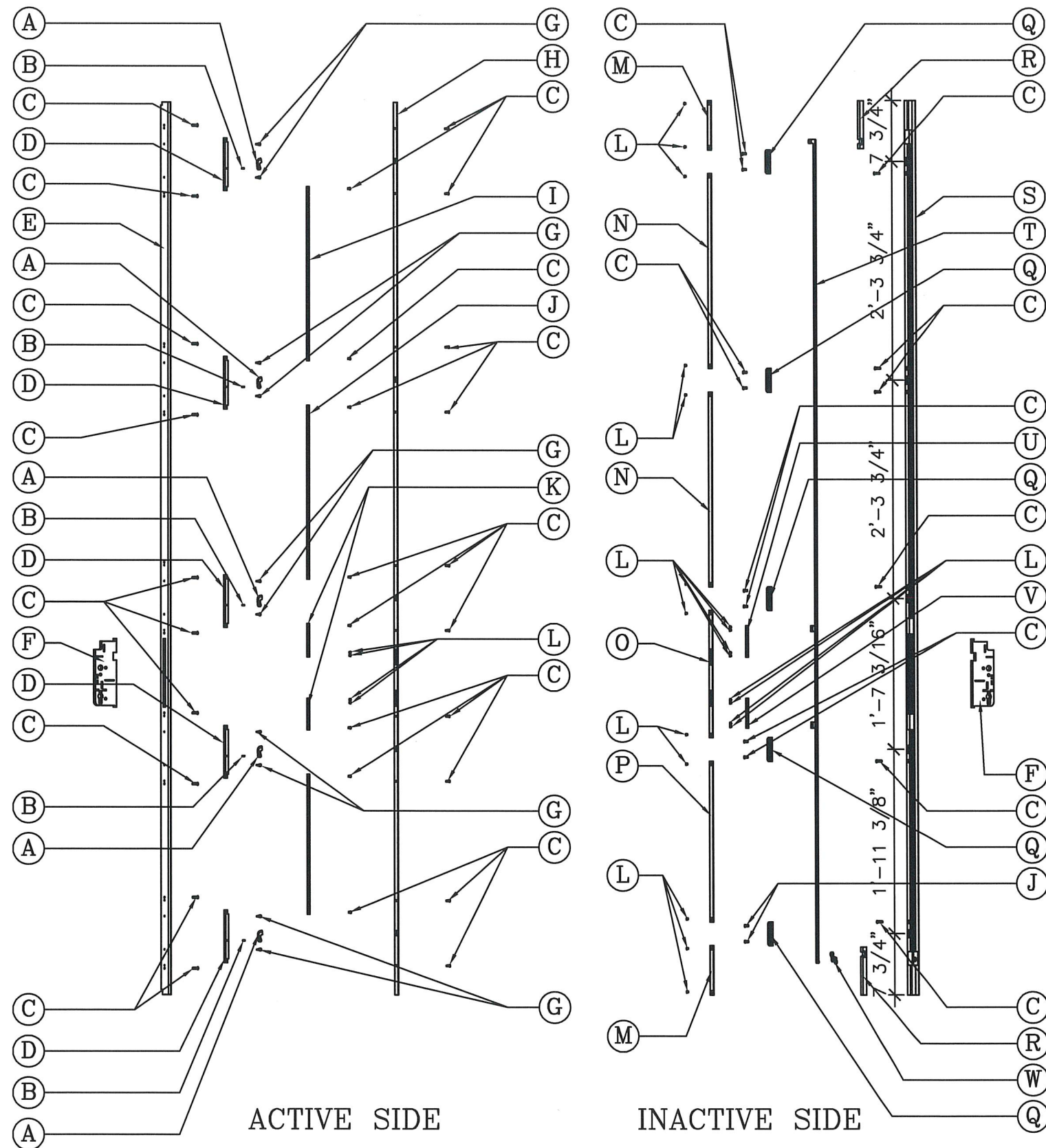
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12/19/22

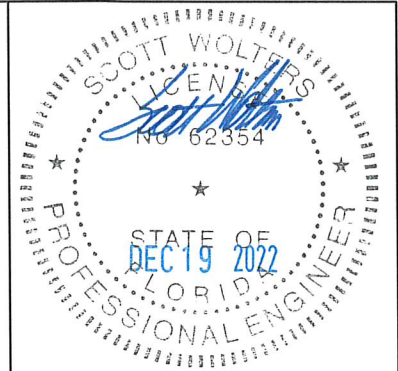
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DW.2009.WLS-03	
LETTER	PART
A	DOG
B	DOG PIN
C	#10 FHMS
D	SLIDE BLOCK
E	ACTIVE WING BAR
F	GU LOCK 8778107 90041 H LS9000 MP GEAR M/45/25/09 (SEE SHEET 80F17 FOR LOCK BOX DETAILS)
G	3/16" X 3/8"-8/32" ROLLER SHOULDER SCREW
H	ACTIVE WING COVER PLATE
I	ROD #1
J	ROD #2
K	ROD #3
L	#8 FHMS
M	INACTIVE WING COVER PLATE #1
N	INACTIVE WING COVER PLATE #2
O	INACTIVE WING COVER PLATE #3
P	INACTIVE WING COVER PLATE #4
Q	RECEIVER
R	FLUSH BOLT
S	INACTIVE WING BAR
T	INACTIVE WING ROD
U	ROD CONNECTOR #1
V	ROD CONNECTOR #2
W	CAM



9 EXPLODED 5" HINGE

5" HINGE	
LETTER	PART
A	FINIAL
B	1/4" S.S. HINGE PIN
C	JAMB LEAF
D	SASH LEAF



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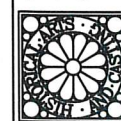
PALMETTO SERIES BRONZE DOORS

HISTORICAL ARTS & CASTING, INC.
5560 WEST BALLOY PARK RD., WEST JORDAN, UT. 84088-5642
PHONE 801-280-2400 FAX 801-280-2493

FAX 801-280-2493

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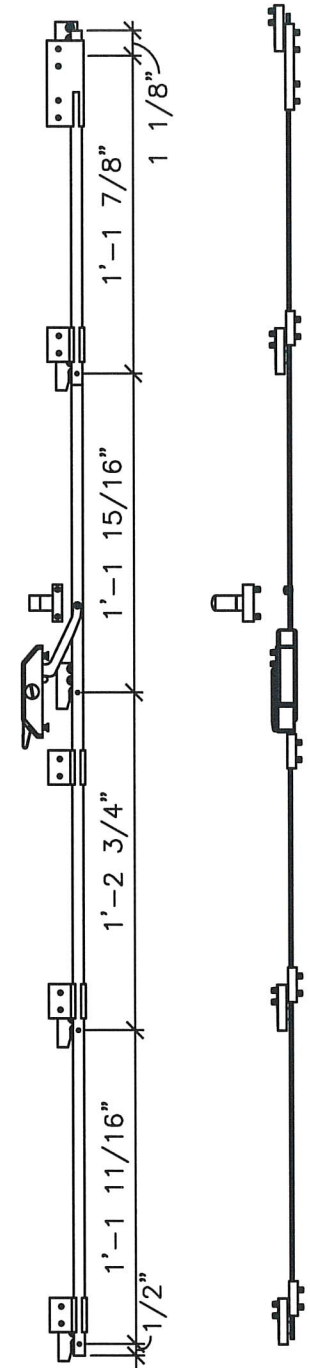
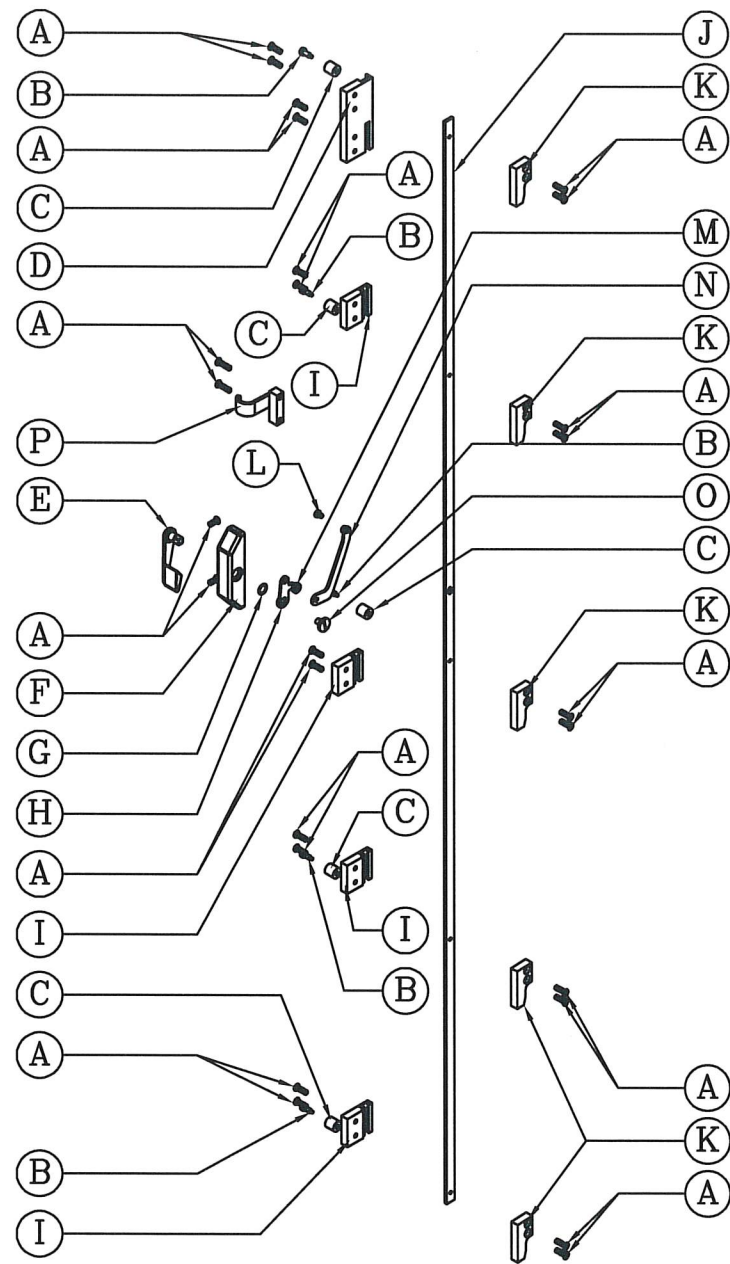
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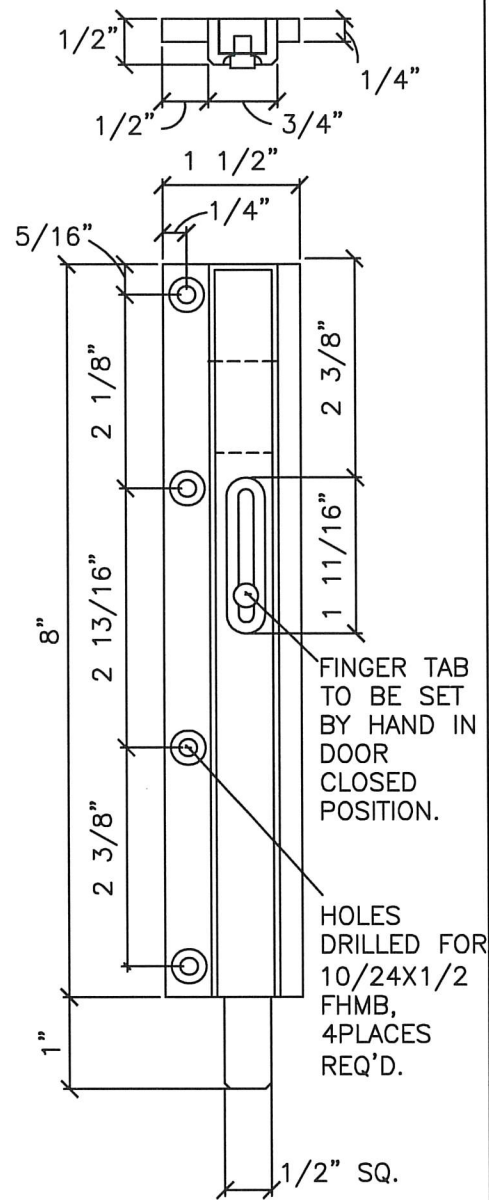
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DW.2009.WLS-04	
LETTER	PART
A	#10 FHMS
B	3/16" X 3/8"-8/32" ROLLER SHOULDER SCREW
C	ROLLER
D	TOP GUIDE
E	LEVER
F	WINDOW LEVER HOUSING
G	WASHER
H	LEVER LINKAGE
I	GUIDE
J	ROD
K	ROLLER DOCK
L	#10 PHMS
M	WASHER
N	ROD LINKAGE ARM
O	BOLT
P	FINGER PULL

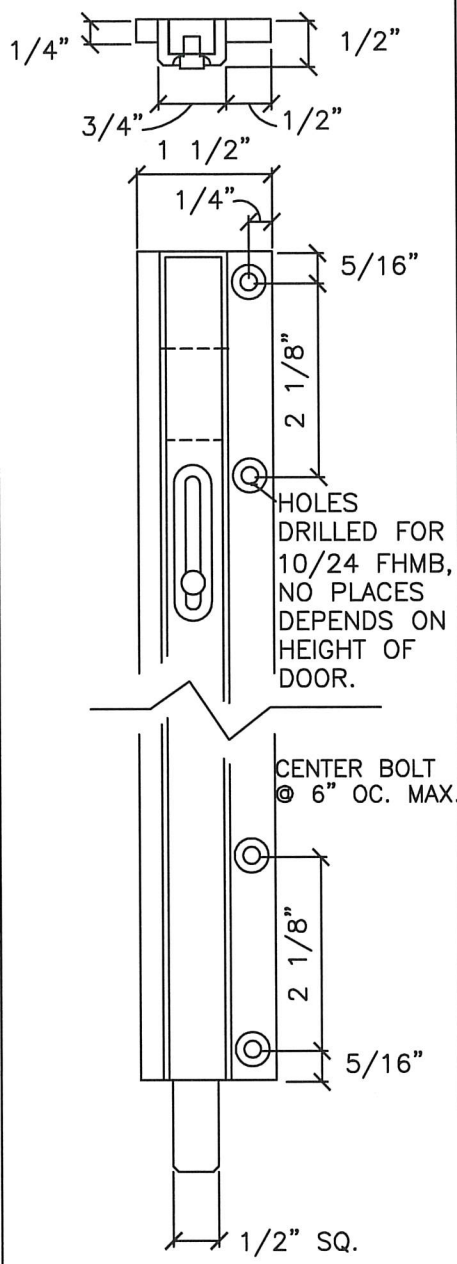


EXPLODED SIDE ELEVATION

1 DW.2009.WLS-04 HACI MULTI-POINT ROLLER LATCH WITH LEVER



2 LOWER, PN CR99B4.7B FLUSH BOLT

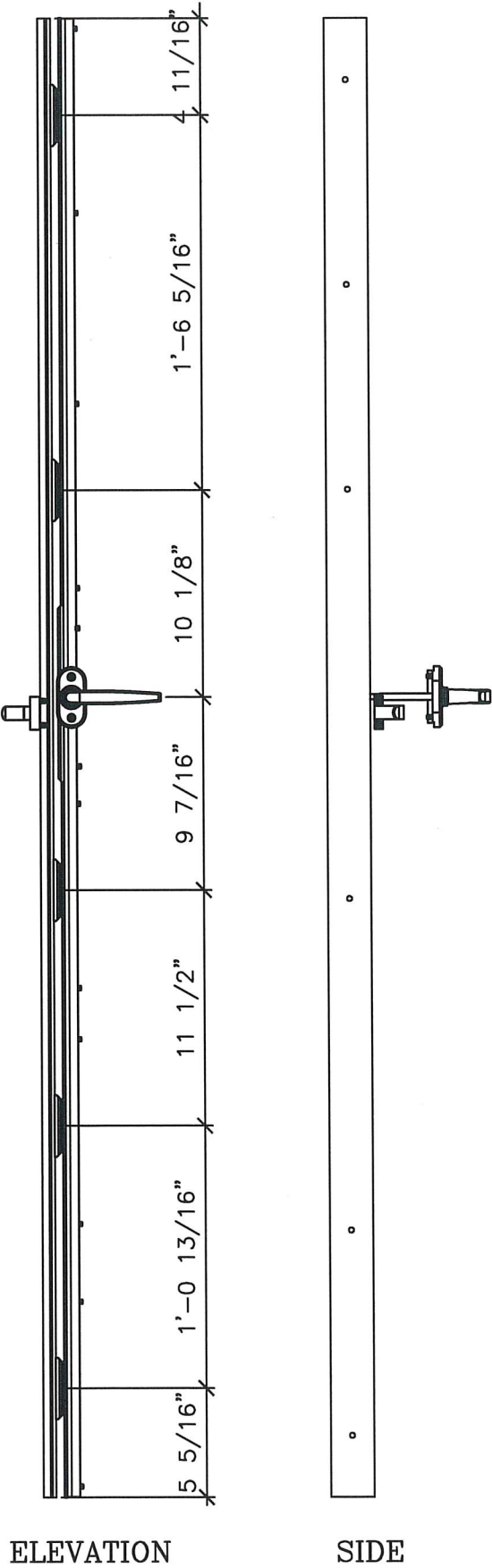
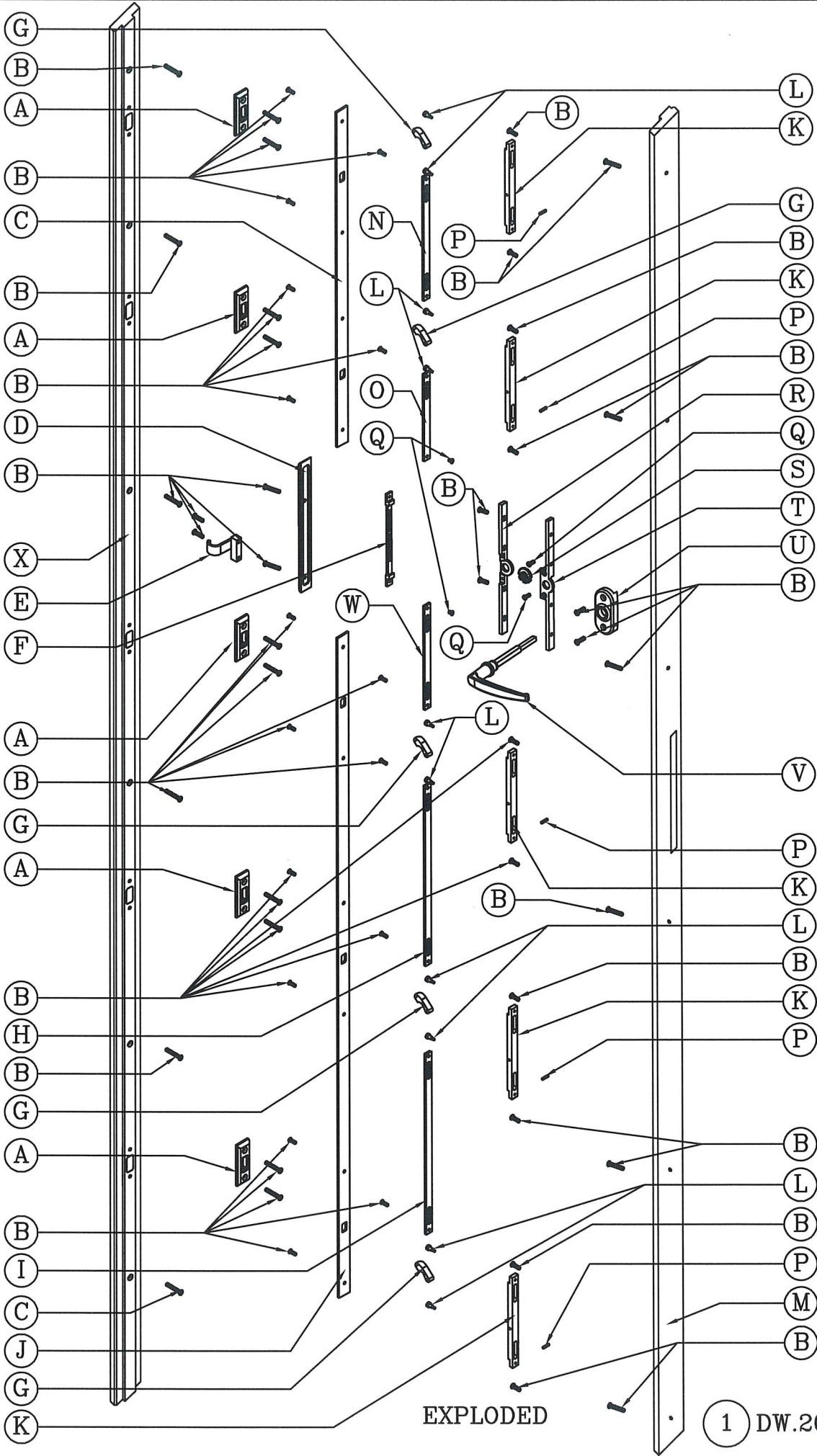


3 UPPER, PN CR99B4.7C FLUSH BOLT

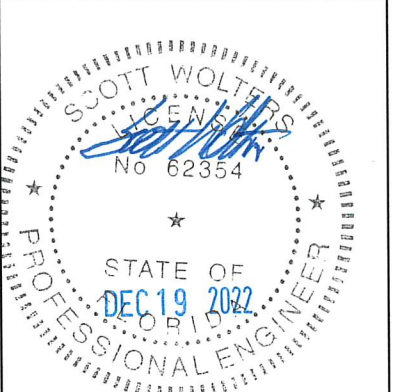
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DW.2009.WLS-05	
LETTER	PART
A	RECEIVER COVER
B	#10 FHMS
C	UPPER COVER
D	LOCK COVER
E	FINGER PULL
F	GEAR TRAVEL
G	DOG
H	ROD #1
I	ROD #2
J	BOTTOM COVER
K	SLIDE BLOCK
L	3/16" X 3/8"-8/32" SHOULDER SCREW
M	DOOR LEAF INSERT
N	ROD #3
O	ROD #4
P	DOG PIN
Q	#8 FHMS
R	ACTUATOR BRACKET BOTTOM
S	CAM GEAR
T	ACTUATOR BRACKET TOP
U	HANDLE MOUNTING BLOCK
V	HANDLE
W	ROD #5
X	DOOR LEAF INSERT



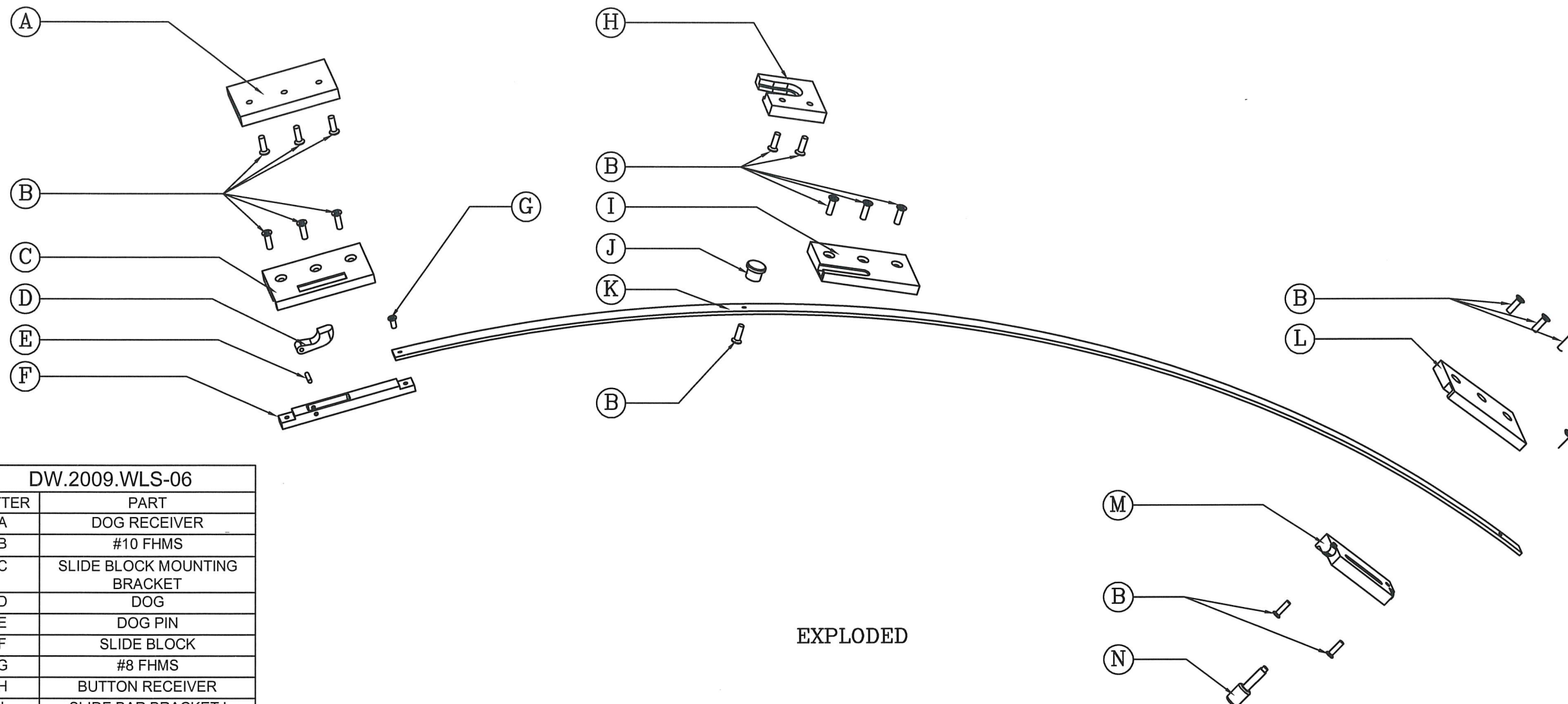
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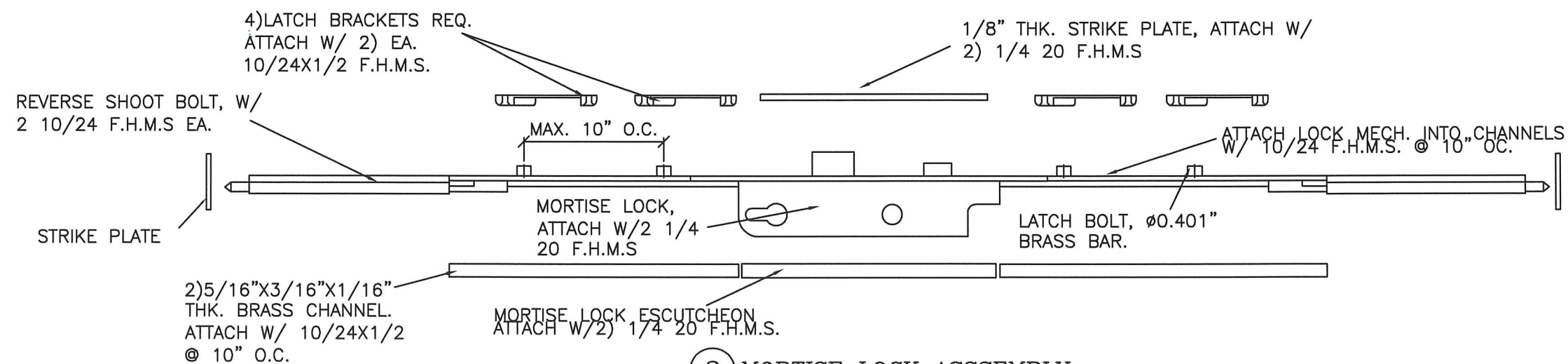
PALMETTO SERIES BRONZE DOORS HISTORICAL ARTS & CASTING, INC. 5580 WEST BALLEW PARK RD., WEST JORDAN, UT. 84088-5642 PHONE 801-280-2400 FAX 801-280-2493		12/19/22	RKH
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DW.2009.WLS-06	
LETTER	PART
A	DOG RECEIVER
B	#10 FHMS
C	SLIDE BLOCK MOUNTING BRACKET
D	DOG
E	DOG PIN
F	SLIDE BLOCK
G	#8 FHMS
H	BUTTON RECEIVER
I	SLIDE BAR BRACKET I
J	BUTTON
K	SLIDE BAR
L	SLIDE BAR BRACKET II
M	HANDLE BRACKET
N	HANDLE

EXPLODED

1 DW.2009.WLS-06 HACI MULTI-POINT LOCK

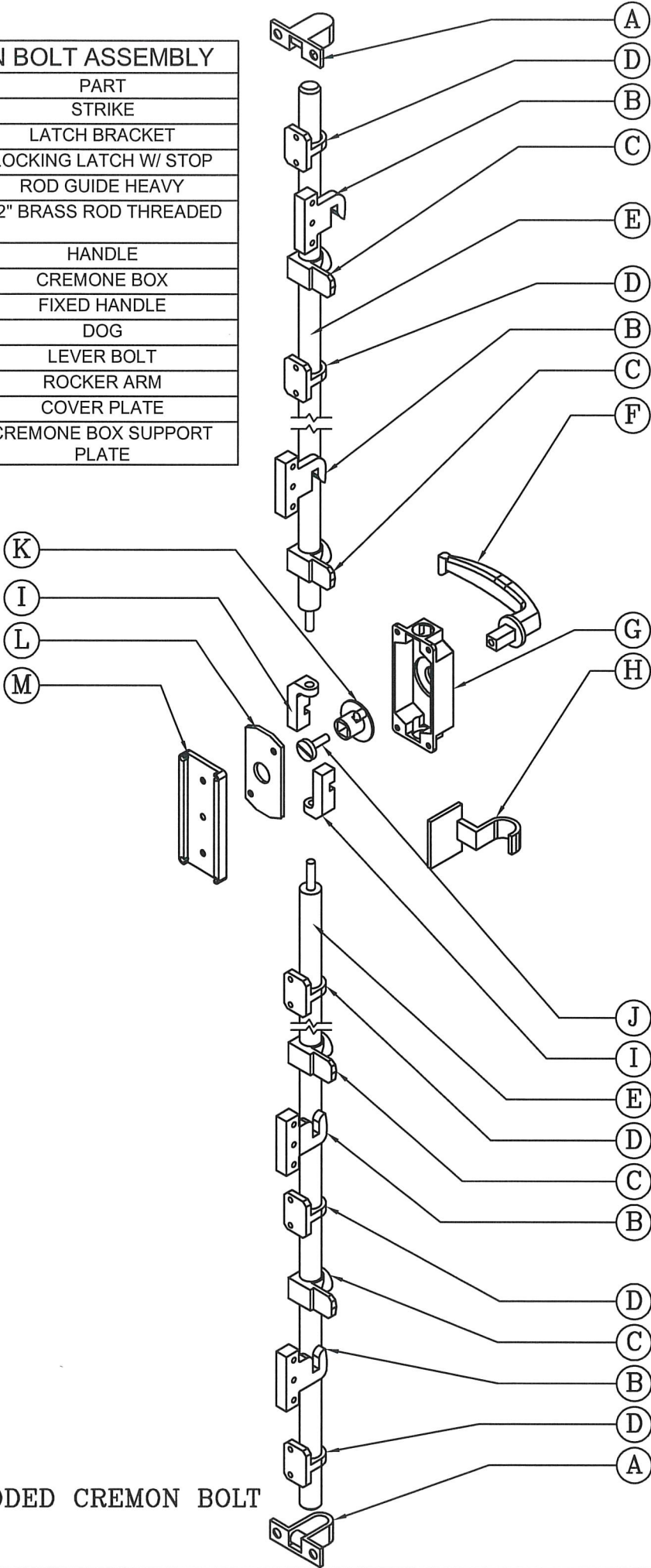


2 MORTISE LOCK ASSEMBLY

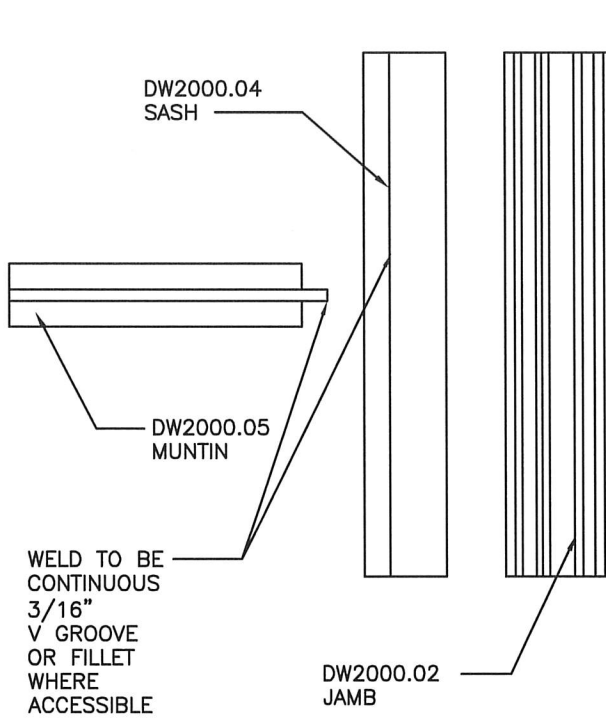
SCOTT WOLTERS
FLPE# 62354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
DEC 19 2022
SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
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CREMON BOLT ASSEMBLY	
LETTER	PART
A	STRIKE
B	LATCH BRACKET
C	LOCKING LATCH W/ STOP
D	ROD GUIDE HEAVY
E	1/2" BRASS ROD THREADED
F	HANDLE
G	CREMONE BOX
H	FIXED HANDLE
I	DOG
J	LEVER BOLT
K	ROCKER ARM
L	COVER PLATE
M	CREMONE BOX SUPPORT PLATE

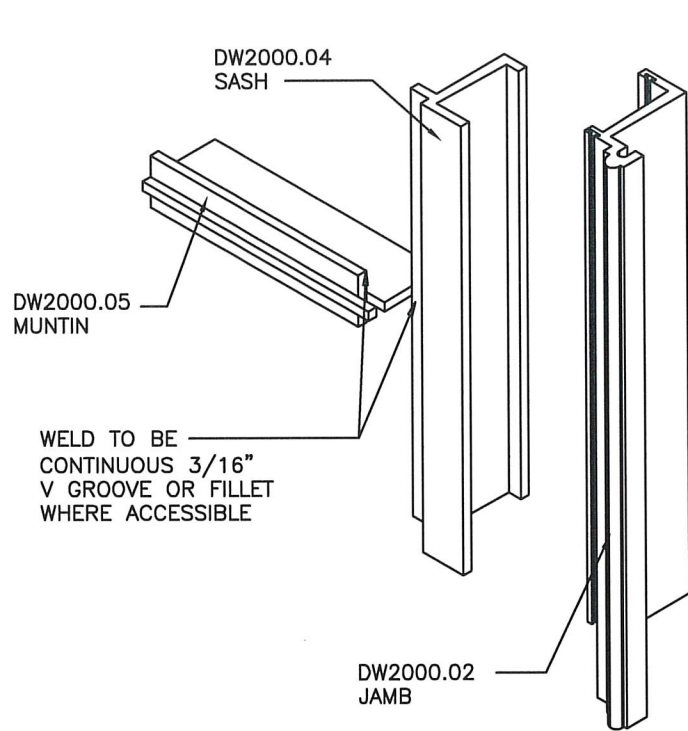


2 EXPLODED CREMON BOLT

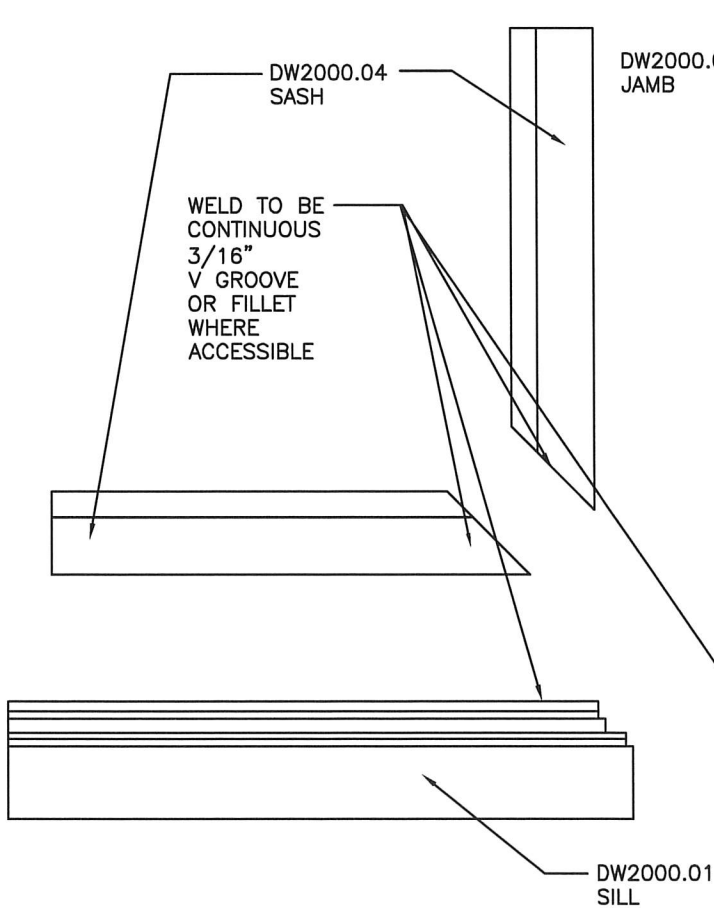


EXPLODED ELEVATION

3 LEAF MUNTIN (EXTERIOR VIEW)
EXTRUSIONS JOINTS

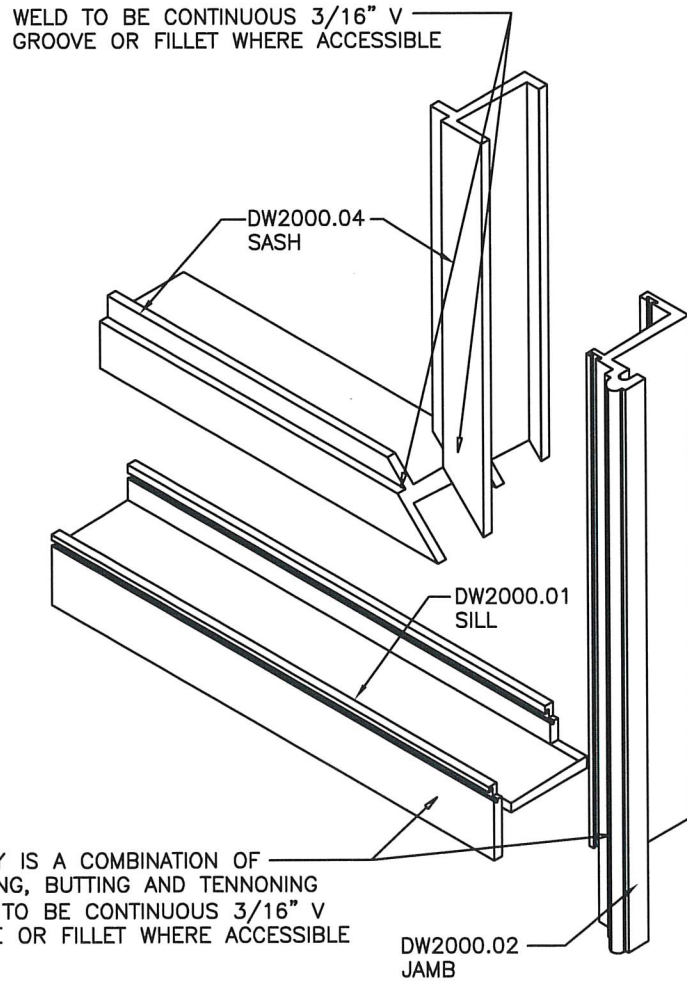


EXPLODED ISOMETRIC



EXPLODED ELEVATION

1 BOTTOM RIGHT CORNER (EXTERIOR VIEW)
EXTRUSIONS JOINTS



EXPLODED ISOMETRIC

WELD NOTE - ALL WELD JOINTS ARE
TIG WELDED WITH 875 BRONZE FILLER
(Fu=60ksi, Fy=24ksi min)

JOINERY IS A COMBINATION OF
NOTCHING, BUTTING AND TENNONING
WELDS TO BE CONTINUOUS 3/16" V
GROOVE OR FILLET WHERE ACCESSIBLE

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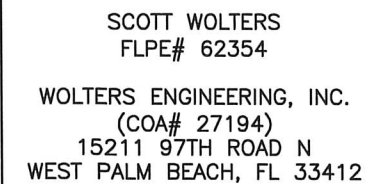
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5580 WEST BAYVIEW PARK RD., WEST JORDAN, UT. 84088-5642
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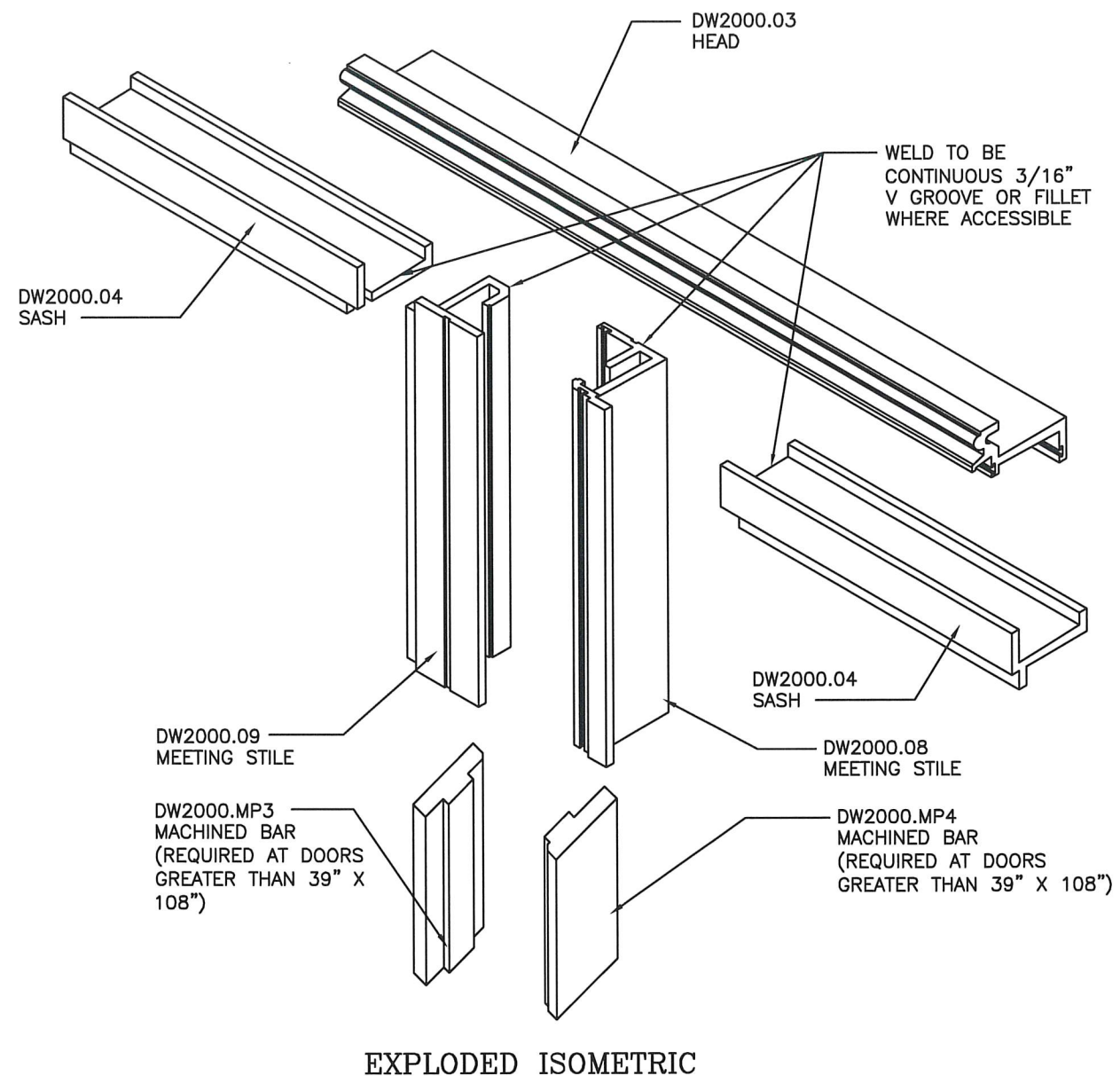
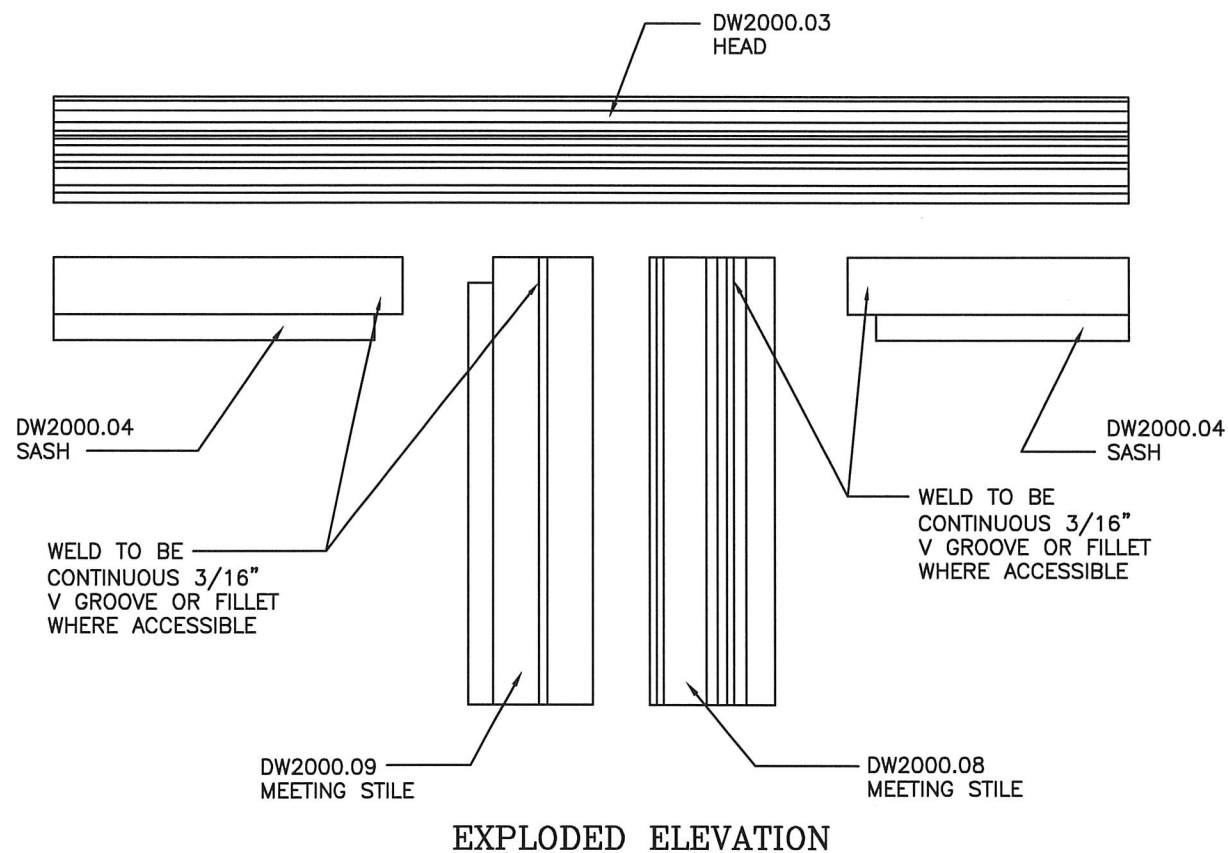


WELD NOTE - ALL WELD JOINTS ARE
TIG WELDED WITH 875 BRONZE FILLER
(Fu=60ksi, Fy=24ksi min)



1 DOOR HEAD CORNER (EXTERIOR VIEW)
EXTRUSIONS JOINTS

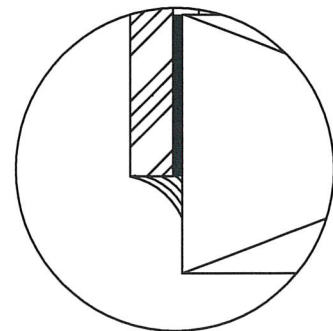
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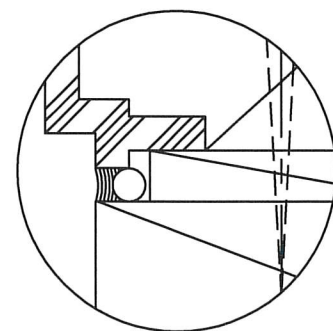
WELD NOTE - ALL WELD JOINTS ARE
TIG WELDED WITH 875 BRONZE FILLER
(Fu=60ksi, Fy=24ksi min)

1 DOOR HEAD (EXTERIOR VIEW) EXTRUSIONS JOINTS

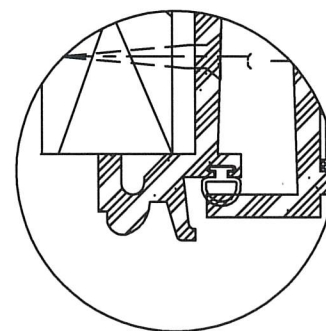
MOLDING OPTIONS (FOR ALL UNITS)



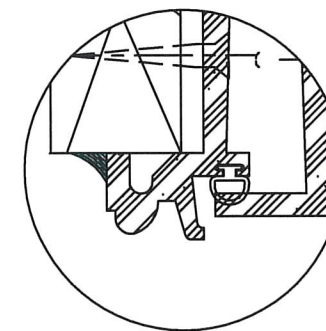
1 FLAT MOLDING



2 FLUSH MOLDING



3 STANDARD BRICK MOLDING



4 APPLIED BRICK MOLDING

LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS



SCOTT WOLTERS
FLPE# 62354

WOLTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

PALMETTO SERIES BRONZE DOORS

HISTORICAL ARTS & CASTING, INC.
5580 WEST BALLEW PARK RD., WEST JORDAN, UT. 84088-5642
PHONE 801-280-2400 FAX 801-280-2493

NOTES	REVISIONS
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12/19/22

RKH