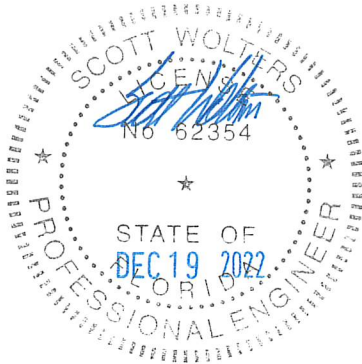


PALMETTO SERIES
BRONZE FIXED WINDOWS

- GENERAL NOTES:
- 1. THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202, & 203. IT MEETS ALL OF THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
 - 2. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT, SHUTTERS ARE NOT REQUIRED IN WINDBORNE DEBRIS REGIONS.
 - 3. MAX. ALLOWABLE DESIGN PRESSURES: +/- 70 PSF.
 - 4. OPENING SUBSTRATES, WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS LISTED IN THE ANCHOR DETAILS ON SHEET 4.
 - 5. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR DETAILS ON SHEET 4. ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
 - 6. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
 - 7. THE 4/3 INCREASE IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
 - 8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.

- SYSTEM NOTES:
- 9. APPROVED CONFIGURATIONS: "O" OR "O-O". THESE FIXED WINDOWS MAY ALSO BE MULLED WITH CASEMENTS OR AS TRANSOMS FOR DOORS, AS SHOWN IN THE SKETCHES ON THIS SHEET.
 - 10. ALL BRONZE EXTRUSIONS SHALL BE BRONZE 380 OR 385 ALLOY, UNLESS OTHERWISE NOTED.
 - 11. APPROVED GLASS TYPES AND GLAZING DETAILS ARE SHOWN IN THE CHART BELOW.

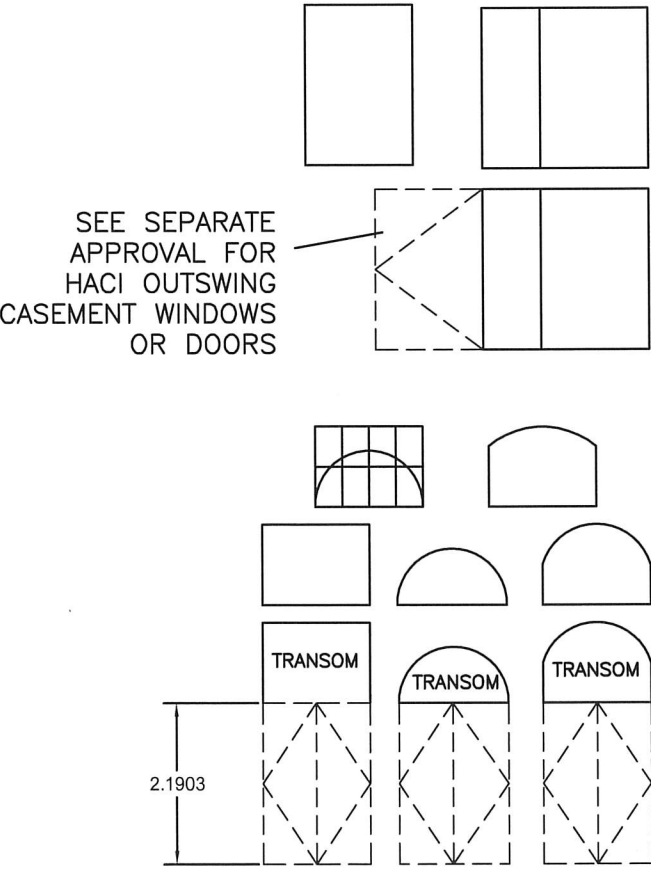
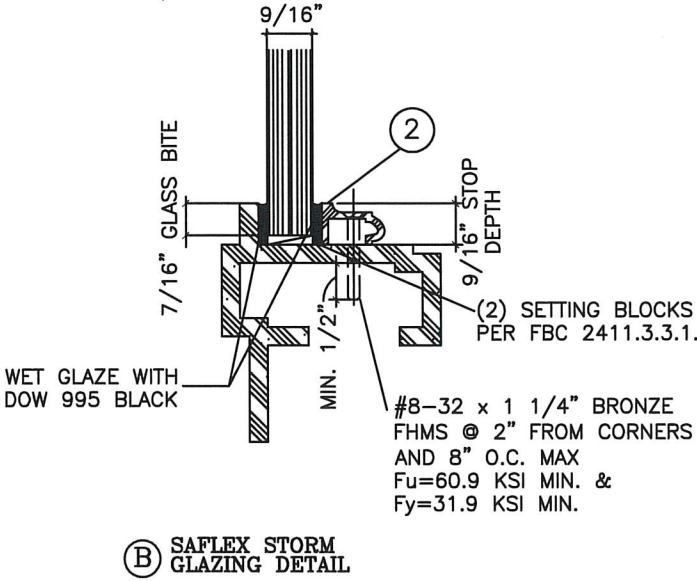
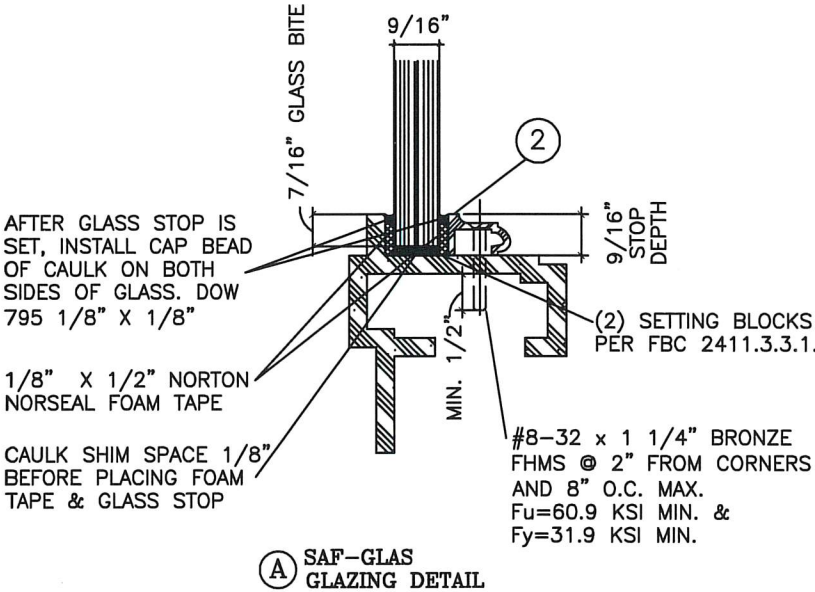
DRAWING INDEX	
SHT. NO.	DESCRIPTION
1	NOTES & GLAZING DETAIL
2 & 3	WINDOW ELEVATIONS
3	BILL OF MATERIALS
4	MOUNTING OPTIONS
5	MOLDING OPTIONS
5 & 6	SECTION DETAILS
7	EXTRUSIONS PROFILES
8	ISOMETRIC VIEWS



SCOTT WOLTERS
FLPE# 62354

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

TYPICAL GLAZING DETAIL



APPROVED CONFIGURATIONS
(NOT SHOWN HERE ARE REQ'D TRUE
DIVIDED LITES, SEE ELEV. SHT. 2 AND 3)

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" SAF-GLAS POLYCARBONATE 4. 0.025" URETHANE ADHESIVE 5. 3/16" HEAT STRENGTHENED GLASS	+70/-70 PSF
SAFLEX (GLASS TYPE B)	9/16"	1. 1/4" HEAT STRENGTHENED GLASS 2. 0.075" SAFLEX STORM INTERLAYER 3. 1/4" HEAT STRENGTHENED GLASS	+70/-70 PSF

PALMETTO SERIES FIXED WINDOW

HISTORICAL ARTS & CASTING, INC.
5580 West Bagley PARK RD., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493

12/12/22

RKH

NOTES

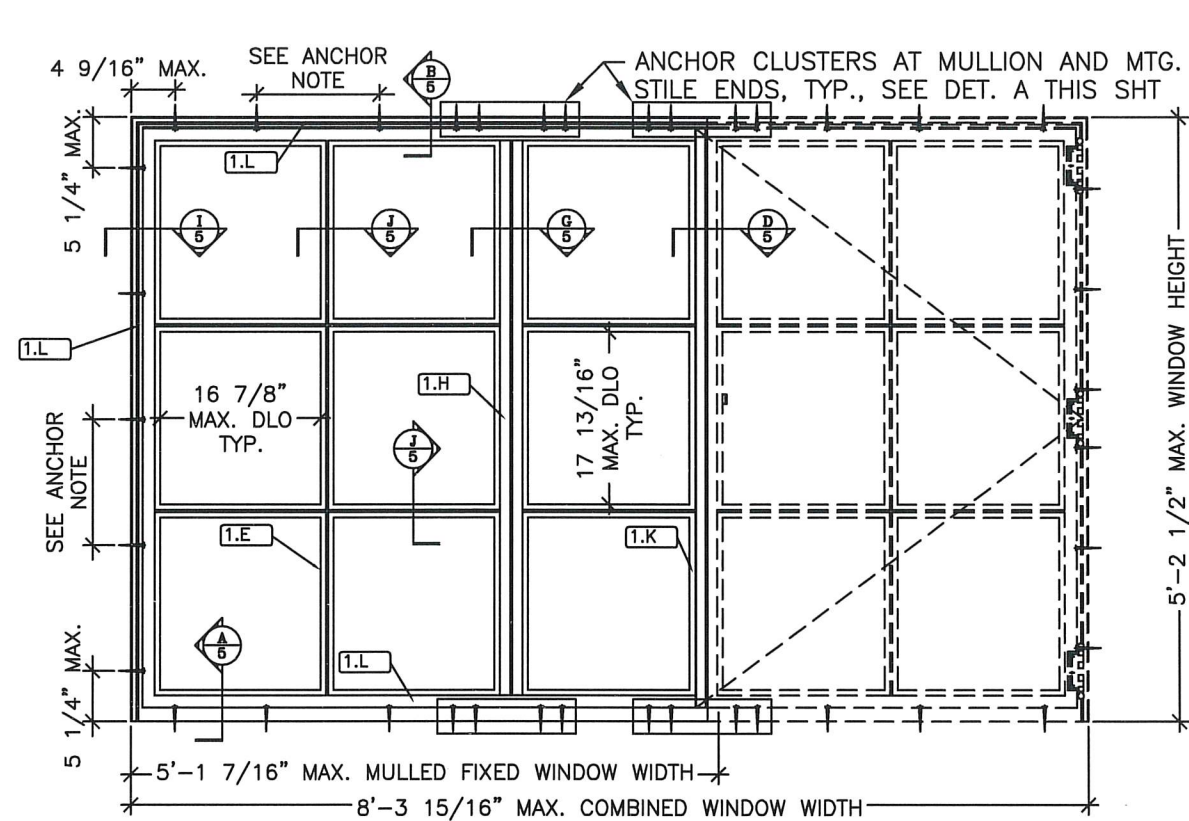
REVISIONS

1 OF 8

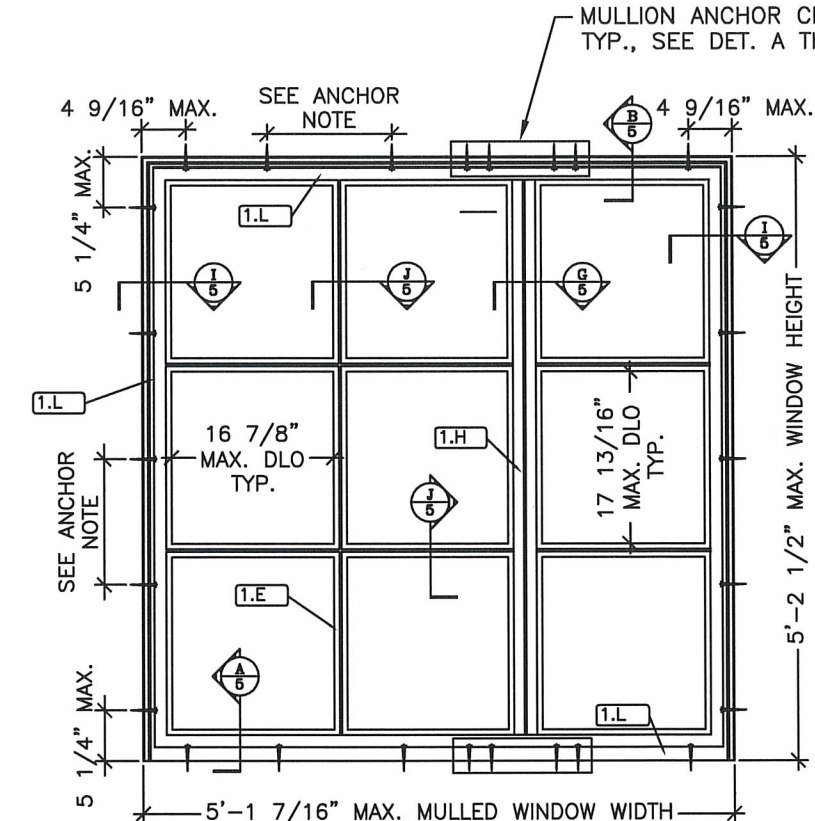
FIXED WINDOWS WITH MUNTINS

GLASS TYPE A OR B FOR UNITS 1-4

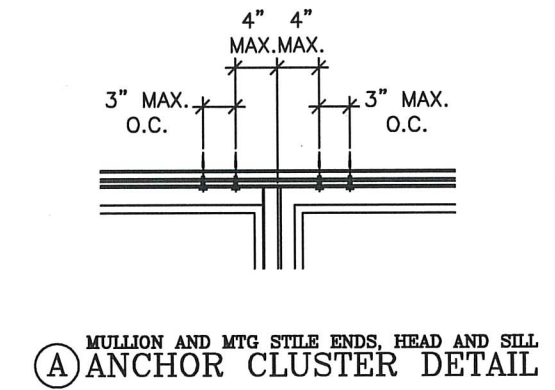
GLASS TYPE B ONLY FOR UNITS 5 AND 6



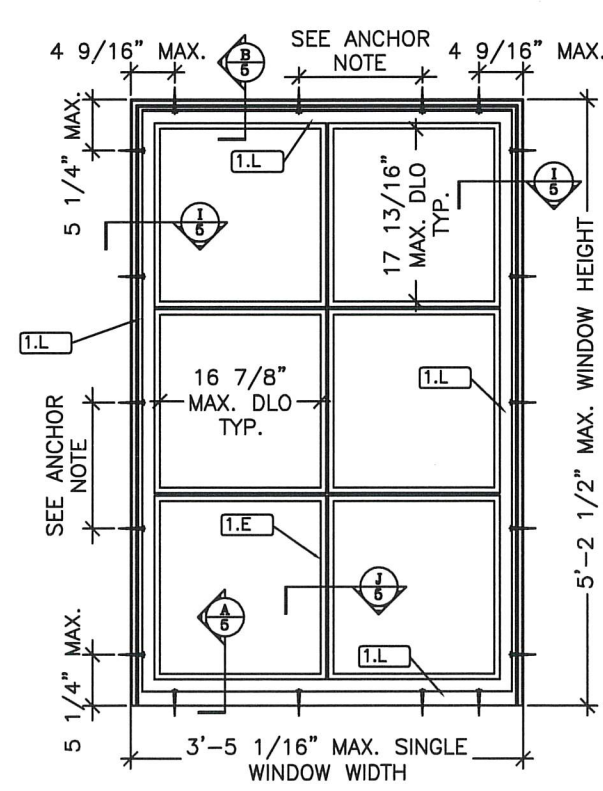
① FIXED WINDOW WITH CASEMENT
EXTERIOR ELEVATION



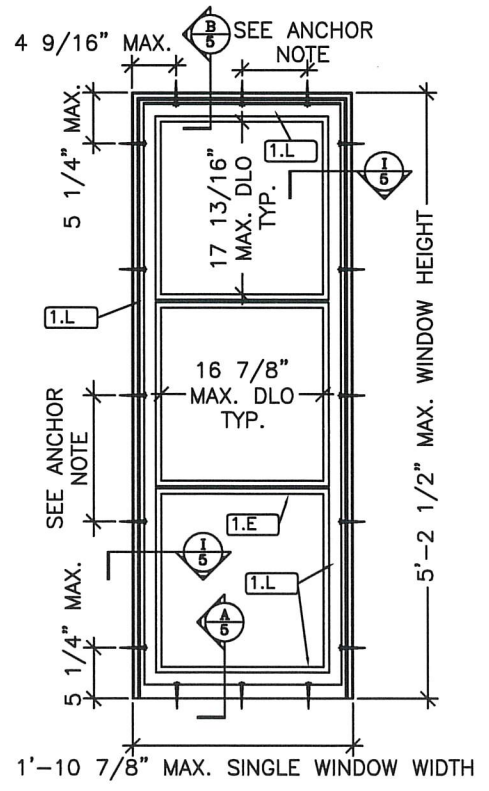
② MULLIED FIXED WINDOW
EXTERIOR ELEVATION



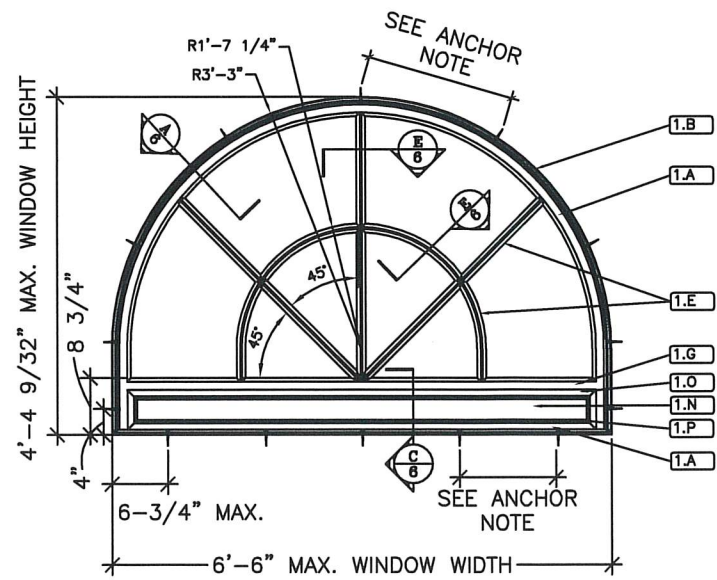
ANCHOR NOTE—
MAXIMUM OVERALL ANCHOR SPACING
AT HEAD, SILL, AND JAMBS:
UP TO 55 PSF = 13 IN.
55 TO 70 PSF = 10 IN.



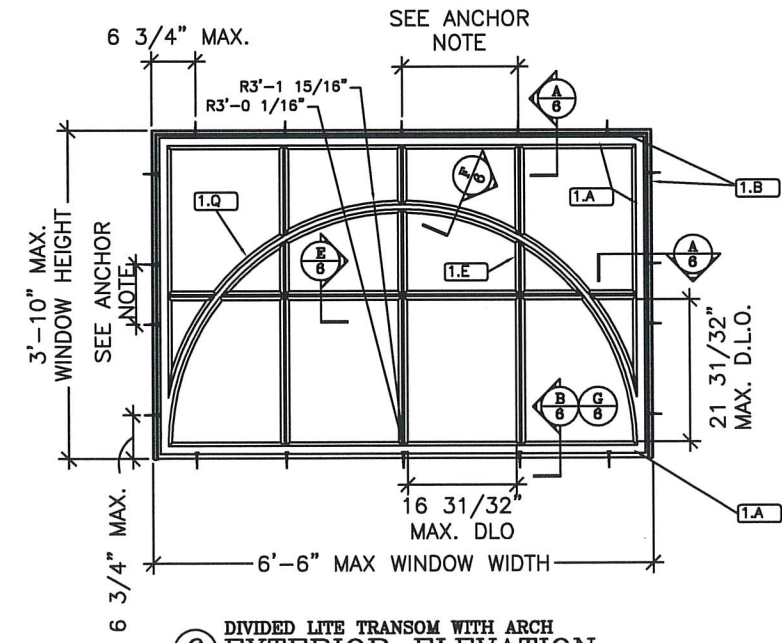
③ SINGLE FIXED WINDOW, 2 LITES WIDE
EXTERIOR ELEVATION



④ SINGLE FIXED WINDOW, 1 LITE WIDE
EXTERIOR ELEVATION



⑤ DUAL ARCH TRANSOM
EXTERIOR ELEVATION



⑥ DIVIDED LITE TRANSOM WITH ARCH
EXTERIOR ELEVATION

SCOTT WALTERS
FLPE# 62354

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

PALMETTO SERIES FIXED WINDOW

HISTORICAL ARTS & CASTING, INC.
5580 WEST Bayley PARK Rd., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493

NOTES	REVISIONS
2 OF 8	12/12/22 RKH

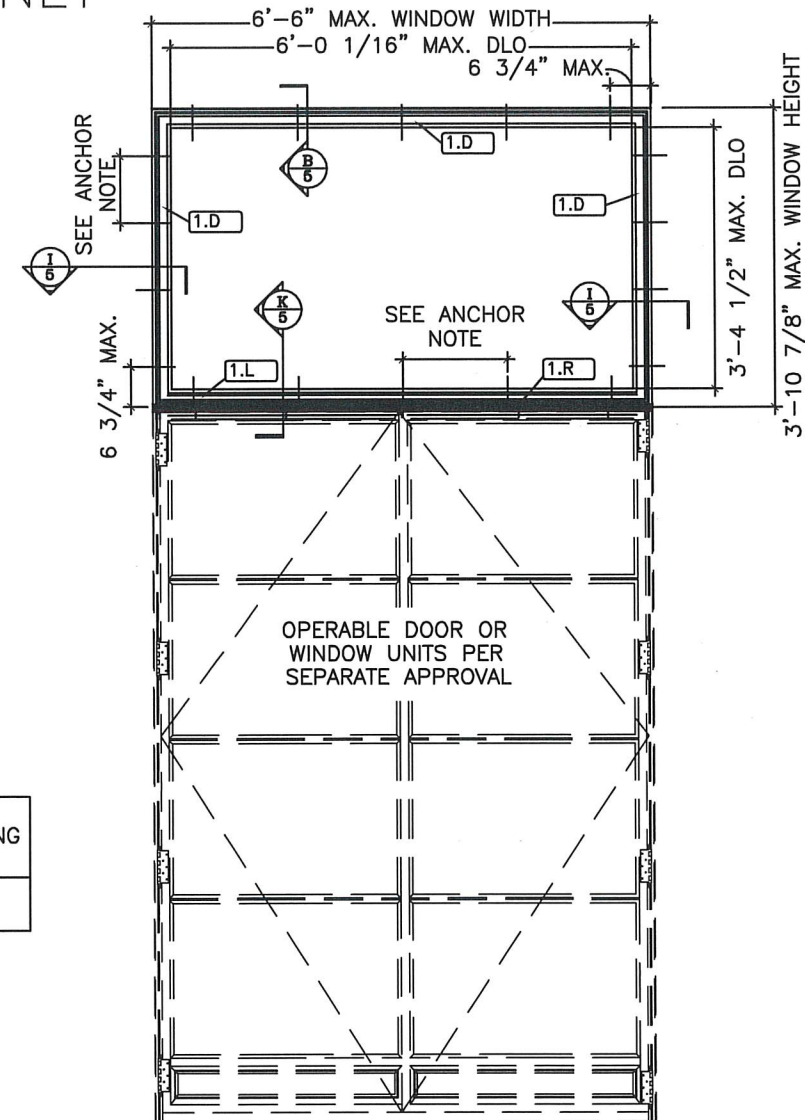
FIXED WINDOWS WITHOUT MUNTINS

GLASS TYPE B ONLY

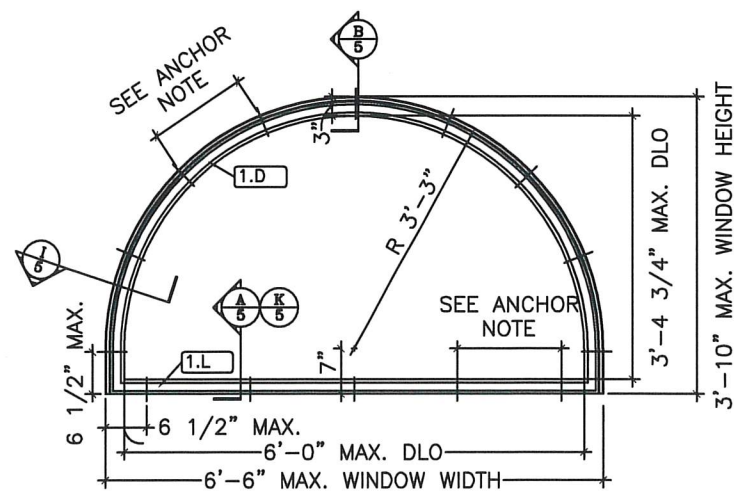
BILL OF MATERIALS				
INDEX	PART DESCRIPTION	MATERIAL	MANUFACTURE	DET/SHEET
PALMETTO SERIES OUTSWING FIXED WINDOWS				
BRONZE EXTRUSIONS				
15	1.A. SASH	BRONZE 385	HACI	15/7 OF 8
11	1.B. JAMB	BRONZE 385	HACI	11/7 OF 8
14	1.C. DRIP MOLDING	BRONZE 385	HACI	14/7 OF 8
3	1.D. FIXED JAMB	BRONZE 385	HACI	3/7 OF 8
1	1.E. MUNTIN	BRONZE 385	HACI	1/7 OF 8
2	1.F. GLASS STOP	BRONZE 385	HACI	2/7 OF 8
5	1.G. 1/8" KICK PLATE HORIZONTAL DIVIDER	BRONZE 385	HACI	5/7 OF 8
6	1.H. EXTERIOR MULLION	BRONZE 385	HACI	6/7 OF 8
7	1.I. INTERIOR MULLION	BRONZE 385	HACI	7/7 OF 8
8	1.K. INTERIOR MEETING STILE	BRONZE 385	HACI	8/7 OF 8
9	1.L. FIXED JAMB/SILL	BRONZE 385	HACI	9/7 OF 8
17	1.M. APPLIED BRICKMOLD	BRONZE 385	HACI	17/7 OF 8
18	1.N. 1/8" BRONZE EXTERIOR FILLER PLATE	BRONZE 385	HACI	18/7 OF 8
19	1.O. KICK PLATE MOLDING	BRONZE 385	HACI	19/7 OF 8
4	1.P. KICK PLATE MOLDING W/ NOTCH	BRONZE 385	HACI	4/7 OF 8
10	1.Q. LARGE MUNTIN	BRONZE 385	HACI	10/7 OF 8
12	1.R. TRANSOM DRIP EX. B	BRONZE 385	HACI	12/7 OF 8
13	1.S. SILL	BRONZE 385	HACI	13/7 OF 8
16	1.T. HEAD	BRONZE 385	HACI	16/7 OF 8
GASKETS				
20	2.A. SILICONE GASKET	SILICONE	WEST COAST	20/7 OF 8
21	2.B. SILICONE GASKET	SILICONE	WEST COAST	21/7 OF 8
22	2.C. SILICONE GASKET	SILICONE	WEST COAST	22/7 OF 8
HARDWARE				
	3.A. #14 X 2" BRASS WOOD SCREW	BRONZE 385	HACI	4 OF 8
	3.B. #14 X 2-1/2" BRASS WOOD SCREW	BRONZE 385	HACI	4 OF 8
	3.C. #14 X 3-1/2" BRASS WOOD SCREW	BRONZE 385	HACI	4 OF 8
	3.D. #10-24 FHMS	BRONZE 385	HACI	5 OF 8
	3.E. 1/4"-20 X 1/2" FHMS	BRONZE 385	HACI	5 OF 8
	3.F. 1/4"-20 X 3/4" FHMS	BRONZE 385	HACI	4 OF 8
	3.G. 1/4"-20 X 1" FHMS	BRONZE 385	HACI	4 OF 8
	3.H. 1/4"-20 X 2" FHMS	BRONZE 385	HACI	5 OF 8
	3.I. #8-32 FHMS	BRONZE 385	HACI	5 OF 8
	3.J. #10-20 FHMS	BRONZE 385	HACI	5 OF 8
23	3.K. CONTINUOUS BLOCKING	TREX PLASTIC	HACI	23/7 OF 8
GLASS & GLAZING				
	4.A. GLASS 9/16" LAMINATED			1 OF 8
	4.B. 1/8" FOAM GLAZING TAPE EXTERIOR	NORSEAL	NORTON	4 OF 8
	4.C. 1/8" FOAM GLAZING TAPE INTERIOR	NORSEAL	NORTON	4 OF 8
	4.D. SEALANT DOW 795	SILICONE	DOW	4 OF 8

ANCHOR NOTE—
MAXIMUM OVERALL ANCHOR SPACING
AT HEAD, SILL, AND JAMBS:

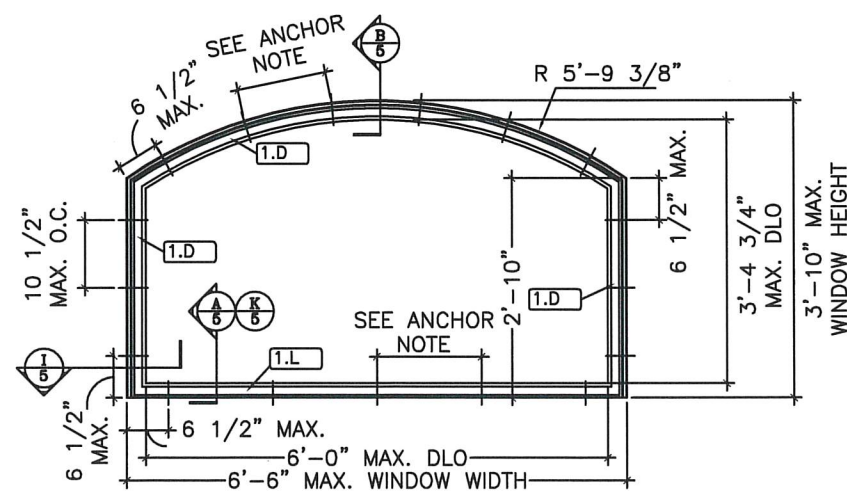
UP TO 55 PSF = 13 IN.
55 TO 70 PSF = 10 IN.



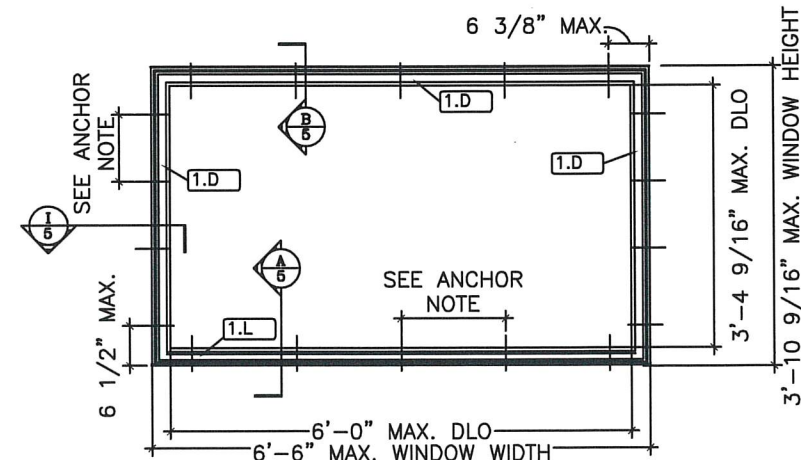
⑦ TRANSOM OVER OPERABLE
EXTERIOR ELEVATION



⑧ FIXED HALF-CIRCLE / TRANSOM
EXTERIOR ELEVATION



⑨ FIXED EYEBROW / TRANSOM
EXTERIOR ELEVATION



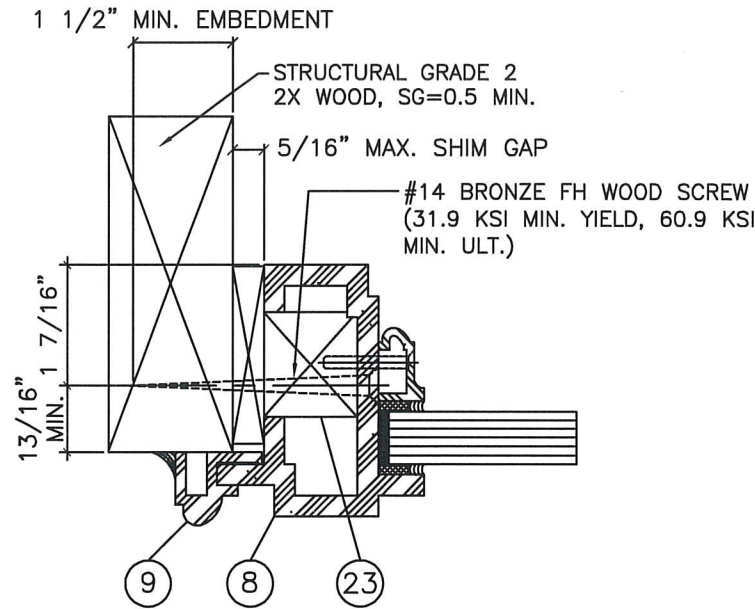
⑩ FIXED
EXTERIOR ELEVATION

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

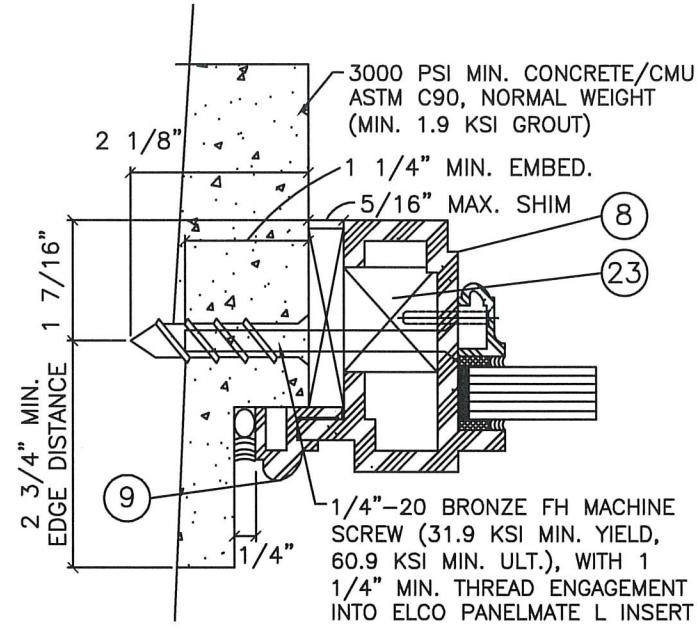
PALMETTO SERIES FIXED WINDOW		HISTORICAL ARTS & CASTING, INC.		5580 WEST Bayley PARK Rd., WEST JORDAN, UT. 84081		PHONE 801-280-2400		FAX 801-280-2493		12/12/22		RKH	
NOTES		REVISIONS		3 OF 8									

MOUNTING OPTIONS

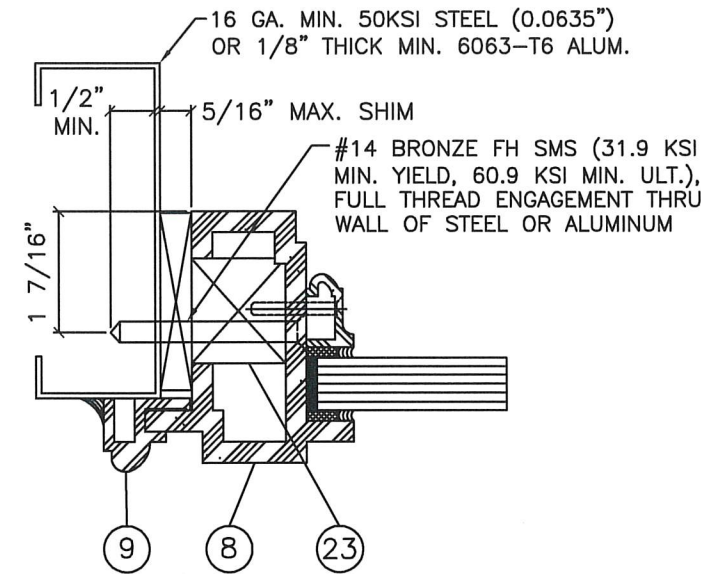
FOR UNITS 1-4, AND 7-10 ONLY



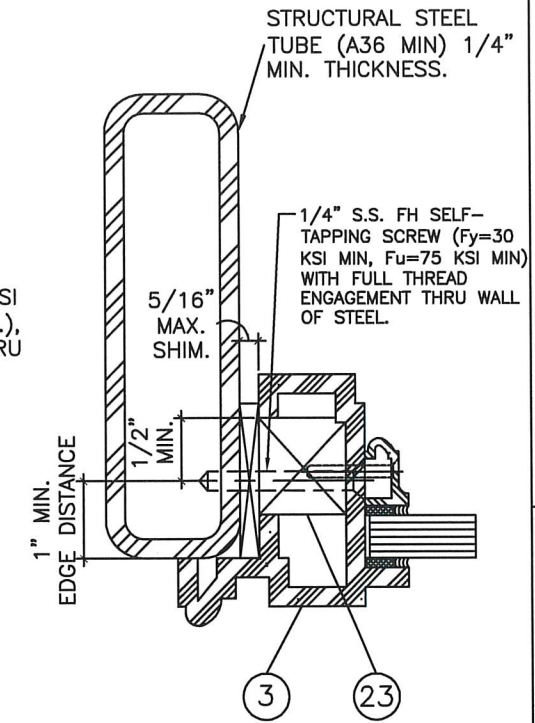
1 MOUNT TO WOOD



2 MOUNT TO CONCRETE/CMU

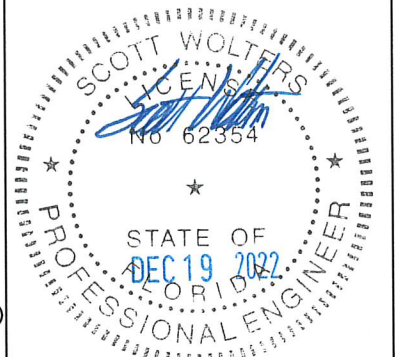


3 MOUNT TO METAL STUD



4 MOUNT TO STEEL TUBE

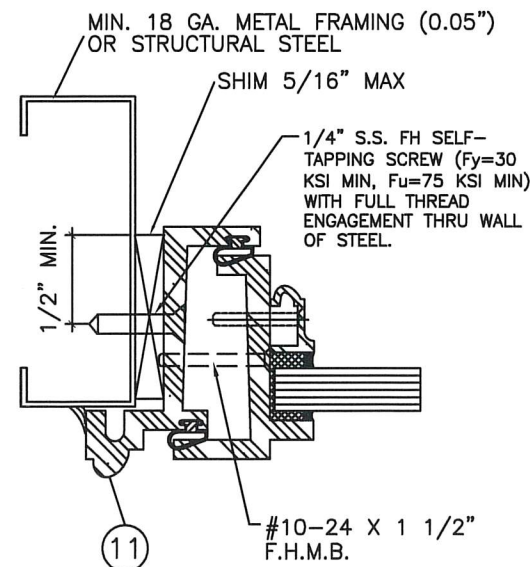
LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS
ANCHOR SPACING PER ELEVATIONS ON SHEETS 2 AND 3 OF 8



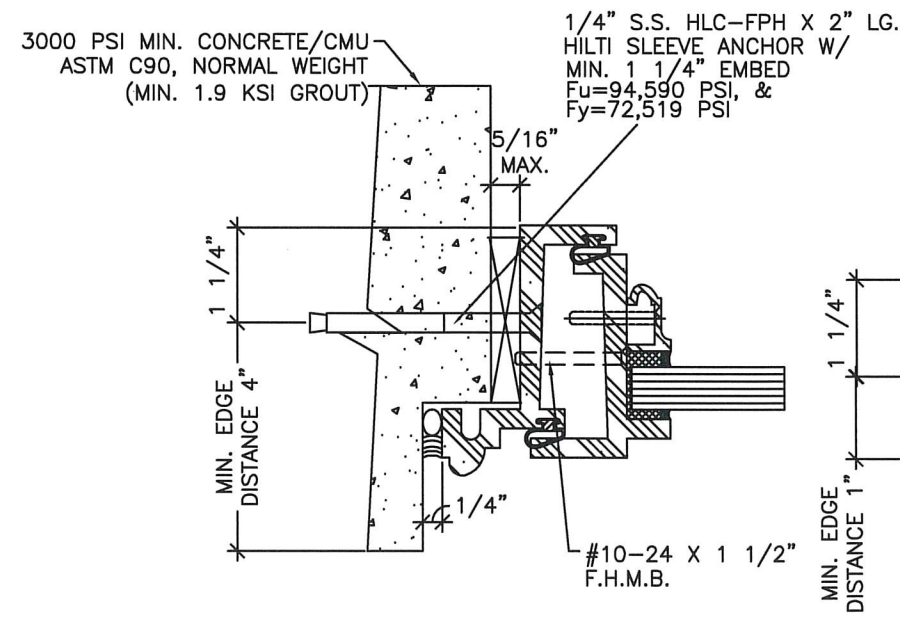
SCOTT WALTERS
FLPE# 62354
WALTERS ENGINEERING, INC.
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

MOUNTING OPTIONS

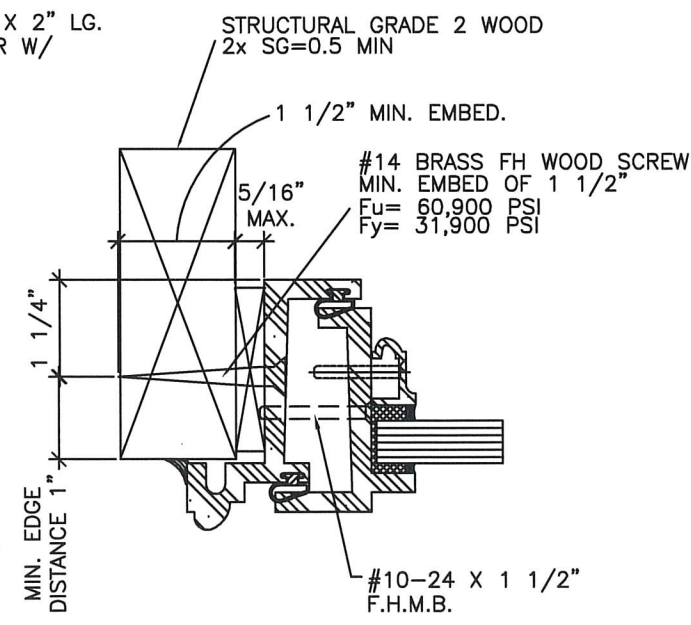
FOR UNITS 5 & 6 ONLY



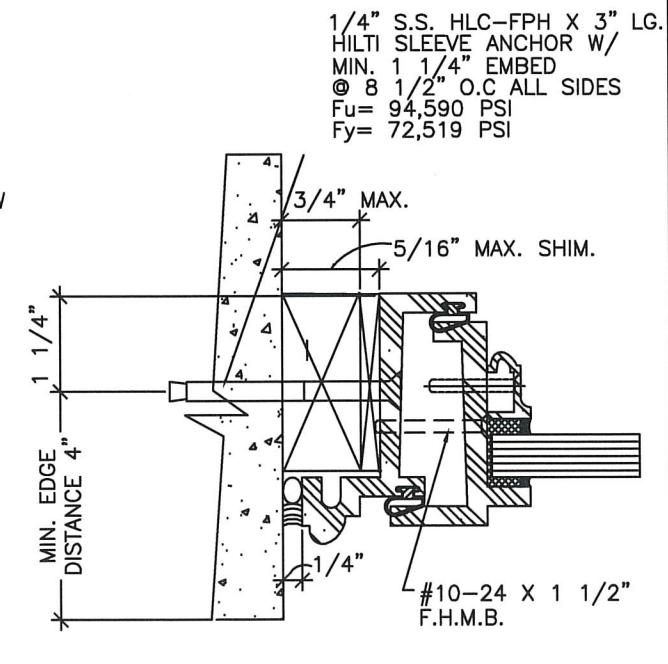
1 MOUNT TO STUD/STEEL FRAME



2 MOUNT TO BLOCK/CONCRETE/CMU



3 MOUNT TO WOOD

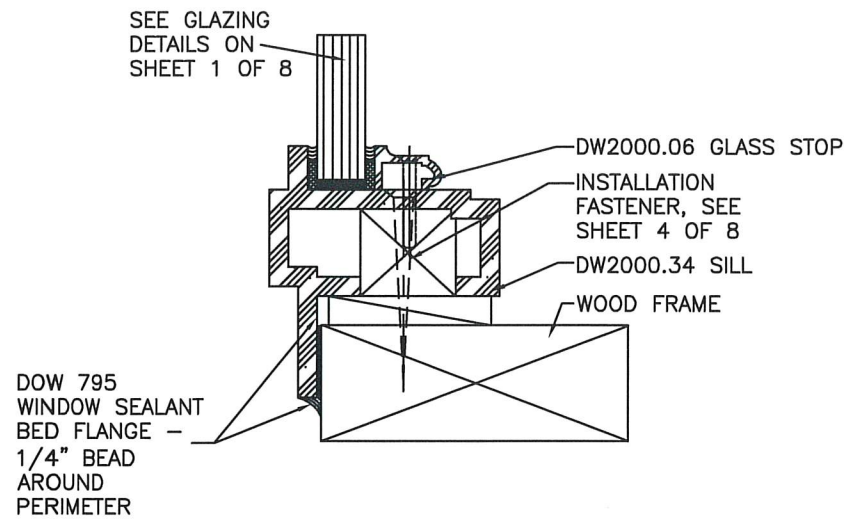


4 MOUNT TO BLOCK/CONCRETE/CMU THROUGH WOOD BUCK

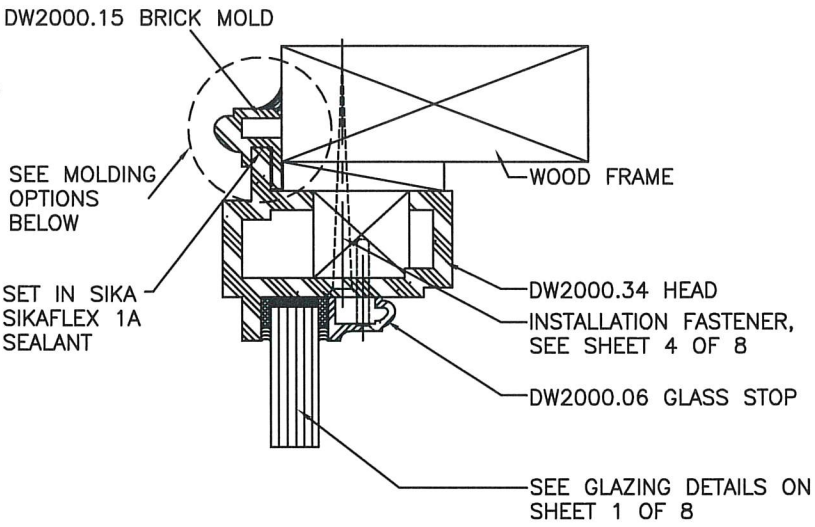
LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS
ANCHOR SPACING PER ELEVATIONS ON SHEET 2 OF 8

PALMETTO SERIES FIXED WINDOW		HISTORICAL ARTS & CASTING, INC.		5580 WEST Bagley PARK Rd., WEST JORDAN, UT. 84081		PHONE 801-280-2400		FAX 801-280-2493		12/12/22		RKH	
NOTES		REVISIONS		4		OF		8					

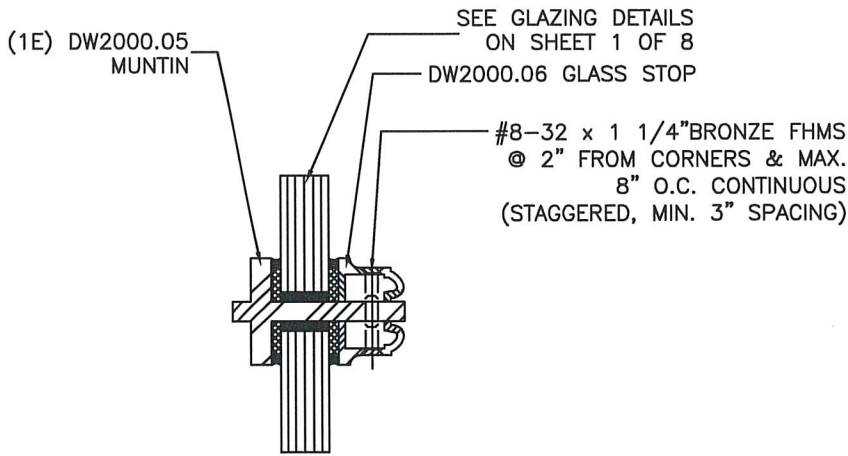
SECTION DETAILS



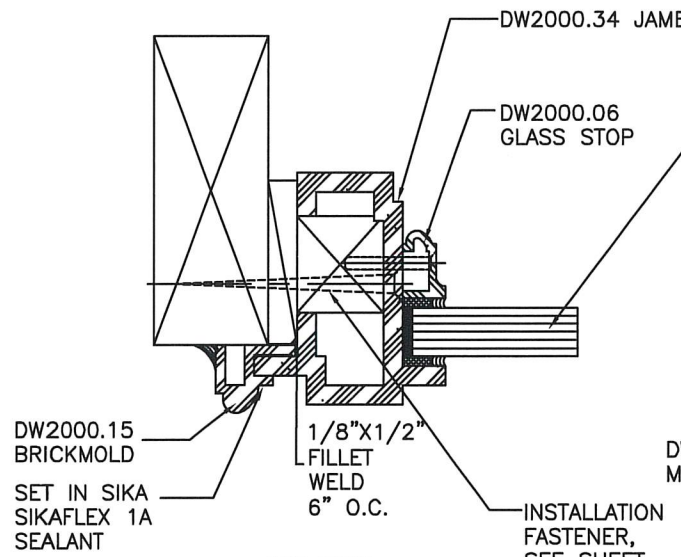
(A) SILL SECTION



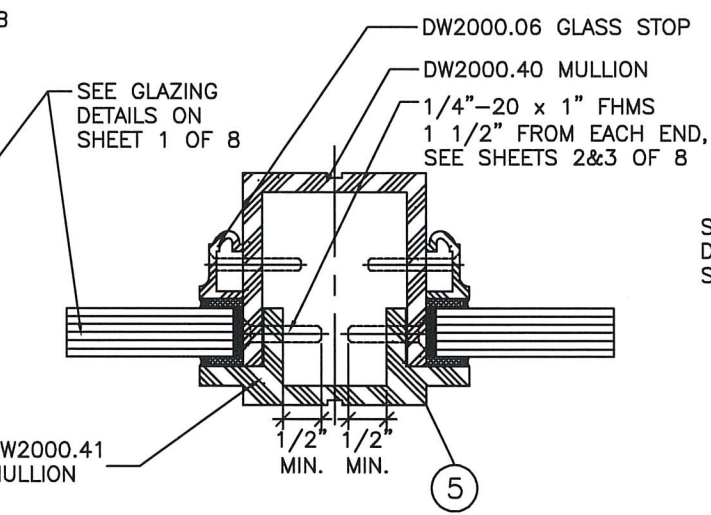
(B) HEAD SECTION



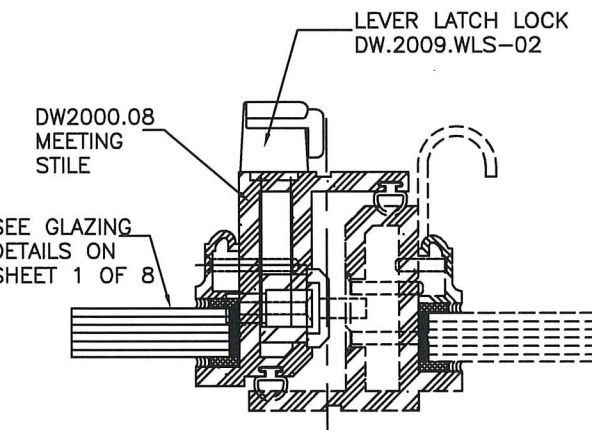
(J) MUNTIN SECTION



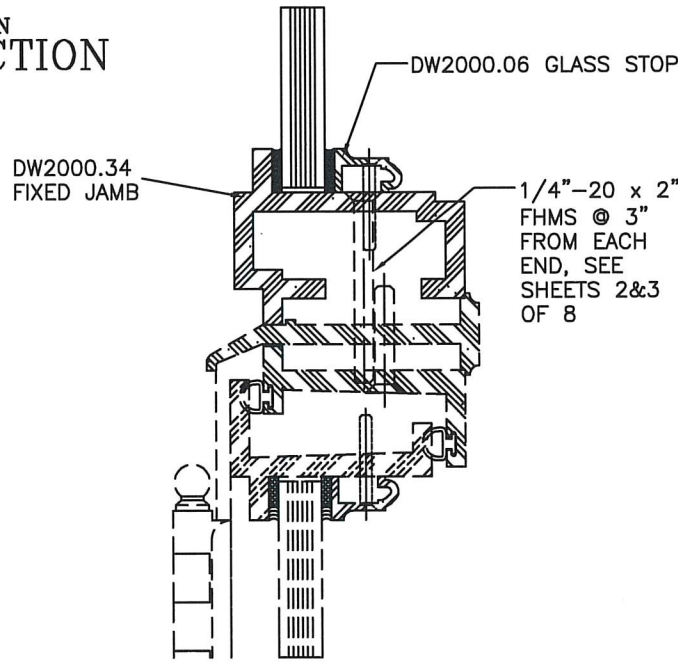
(I) FIX JAMB SECTION



(G) MULLION SECTION



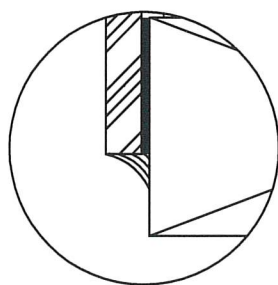
(D) MEETING STILE SECTION



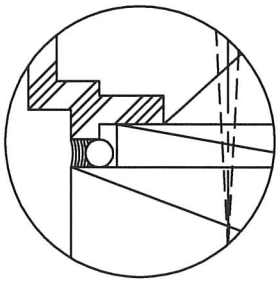
(K) TRANSOM SECTION

MOLDING OPTIONS

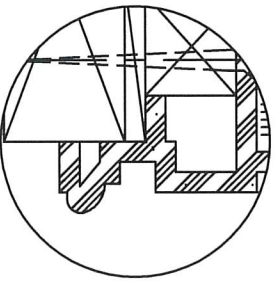
LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS



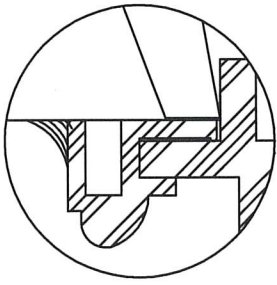
(1) FLAT MOLDING



(2) FLUSH MOLDING



(3) STANDARD BRICK MOLDING



(4) APPLIED BRICK MOLDING

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 FIXED WINDOW

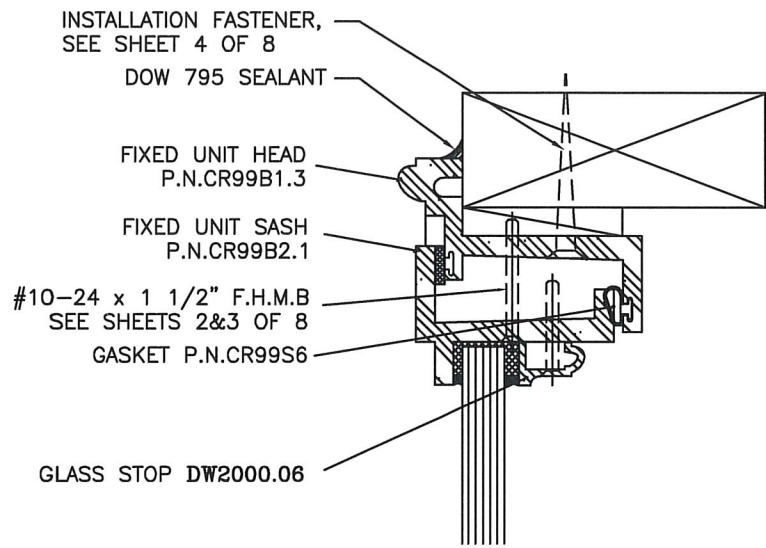
HISTORICAL ARTS & CASTING, INC.
5580 WEST BAGLEY PARK RD., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493

NOTES REVISIONS

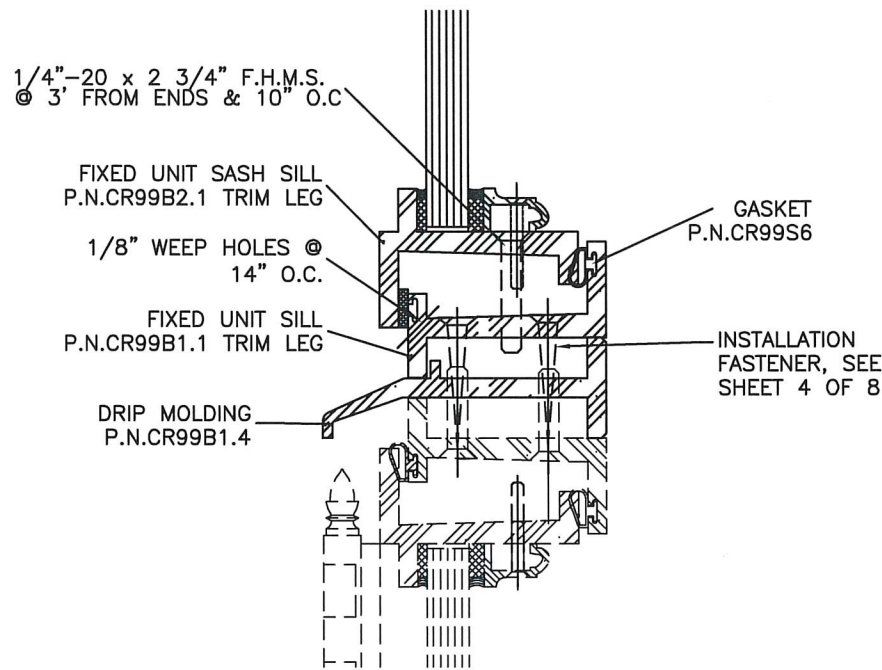
12/12/22 RKH

5 OF 8

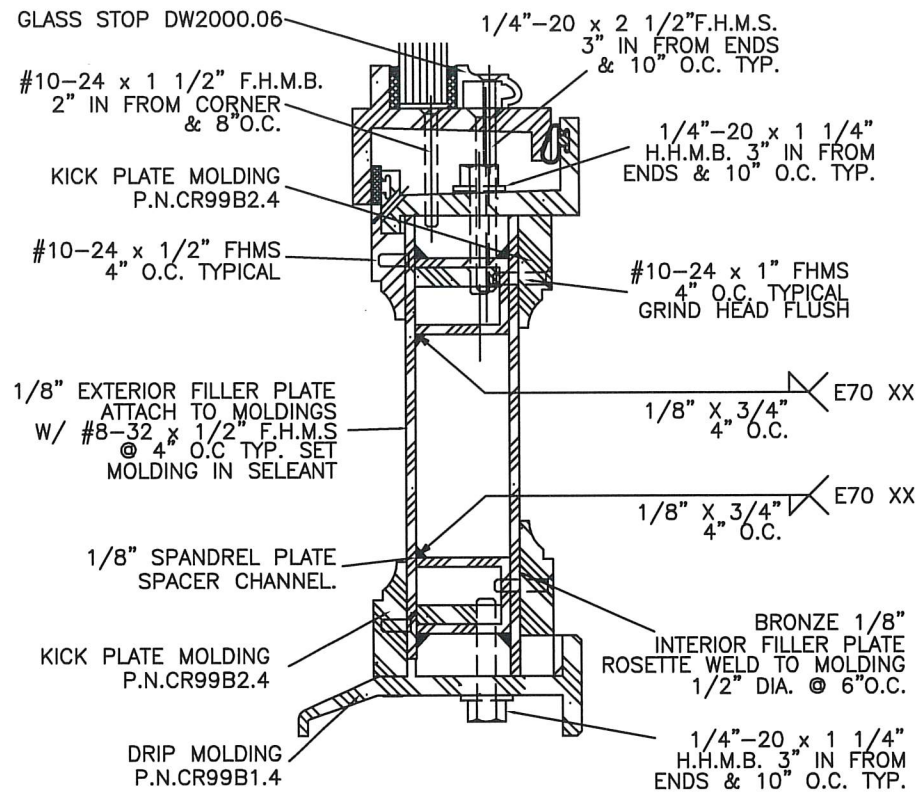
SECTION DETAILS



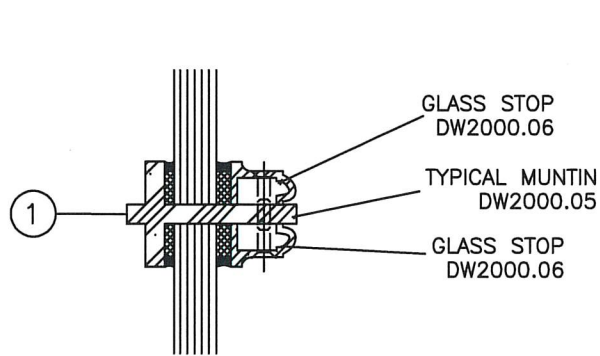
A TYPICAL FIXED UNIT AT FRAME



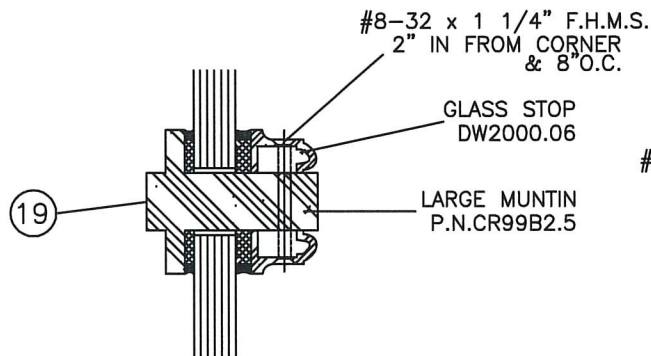
B MULTI UNIT ATTACHMENT



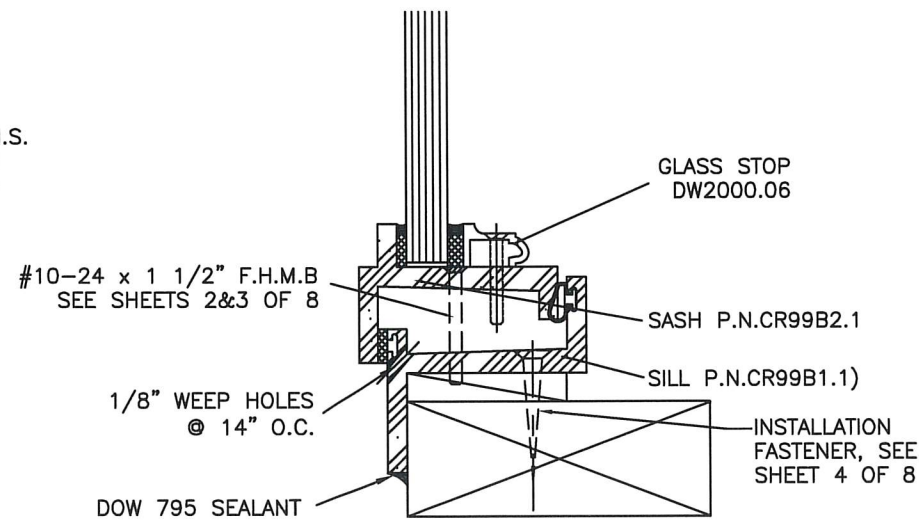
C SECTION AT BOTTOM PANEL CONDITION



E TYPICAL SECTION AT MUNTIN



F SECTION AT LARGE MUNTIN



G TYPICAL SECTION AT FIXED UNIT SILL

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

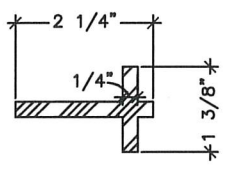
PALMETTO SERIES FIXED WINDOW

HISTORICAL ARTS & CASTING, INC.
5580 WEST BAGLEY PARK RD., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493

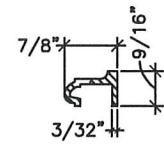
12/12/22
RKH

NOTES	REVISIONS
6	OF 8

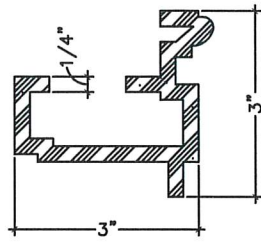
EXTRUSION PROFILES



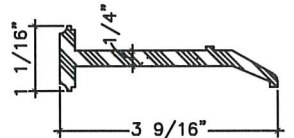
DW2000.06/CB99B2.3
① MUNTIN (1.E.)



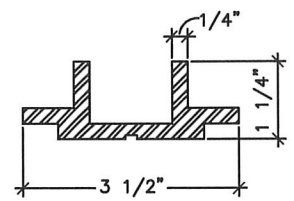
DW2000.06/CB99B3
② GLASS STOP (1.F)



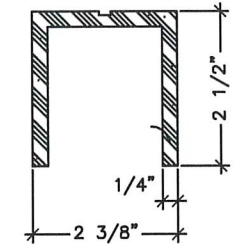
DW2000.45
③ FIXED JAMB (1.D.)



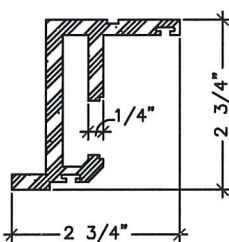
DW2000.11
④ TRANSOM DRIP EXTRUSION B (1.R)



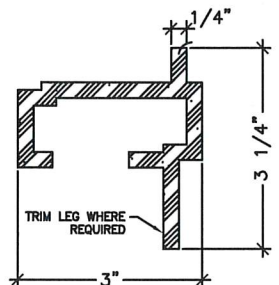
DW2000.41
⑤ EXTERIOR MULLION (1.H)



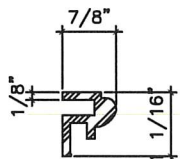
DW2000.40
⑥ INTERIOR MULLION (1.I)



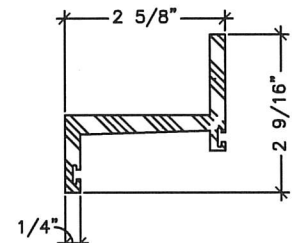
DW2000.08
⑦ INTERIOR MEETING STILE (1.K)



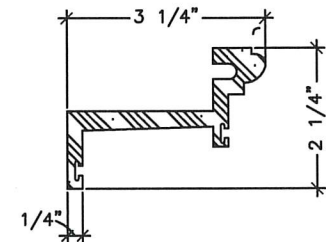
DW2000.34
⑧ FIXED SILL/JAMB (1.L)



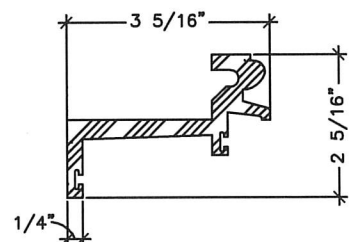
DW2000.15
⑨ APPLIED BRICKMOLD (1.M)



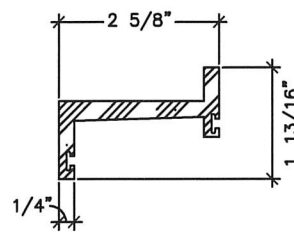
P.N.CB99B1.1
⑩ SILL (1.S)



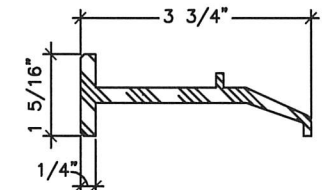
P.N.CB99B1.2
⑪ JAMB (1.B)



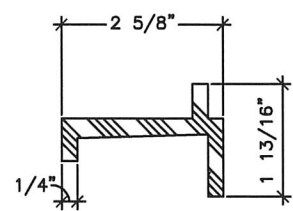
P.N.CB99B1.3
⑫ HEAD (1.T)



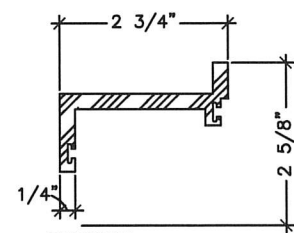
P.N.CB99B1.7
⑬ TRANS WIN & DR HEAD (1.U)



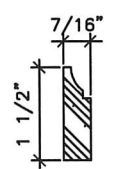
P.N.CB99B1.4
⑭ DRIP MOLDING (1.C)



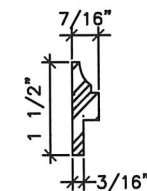
P.N.CB99B2.1
⑮ SASH (1.A)



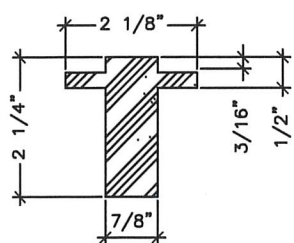
P.N.CB99B2.3
⑯ SASH MEETING STILE (1.V)



P.N.CB99B2.4
⑰ KICK PLATE MOLDING (1.O)



P.N.CB99B2.4A
⑱ KICK PLATE MOLDNG W/ NOTCH (1.P)



P.N.CB99B2.5
⑲ LARGE MUNTIN (1.Q)



DW2000.G1
⑳ SILICONE GASKET (2.A)

WEST COAST GASKET COMPANY
RED SILICONE 40/SHORE
.425" WD X .425" TALL
D-SHAPED EXTRUSION PER
PRINT



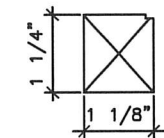
P.N.CB99B6
㉑ SILICONE GASKET (2.B)

WEST COAST GASKET COMPANY
RED SILICONE 40/SHORE
.425" WD X .425" TALL
D-SHAPED EXTRUSION PER
PRINT



P.N.CB99B6A
㉒ MEETING STILE SILICONE GASKET (2.C)

WEST COAST GASKET COMPANY
RED SILICONE 40/SHORE
.425" WD X .425" TALL
D-SHAPED EXTRUSION PER
PRINT

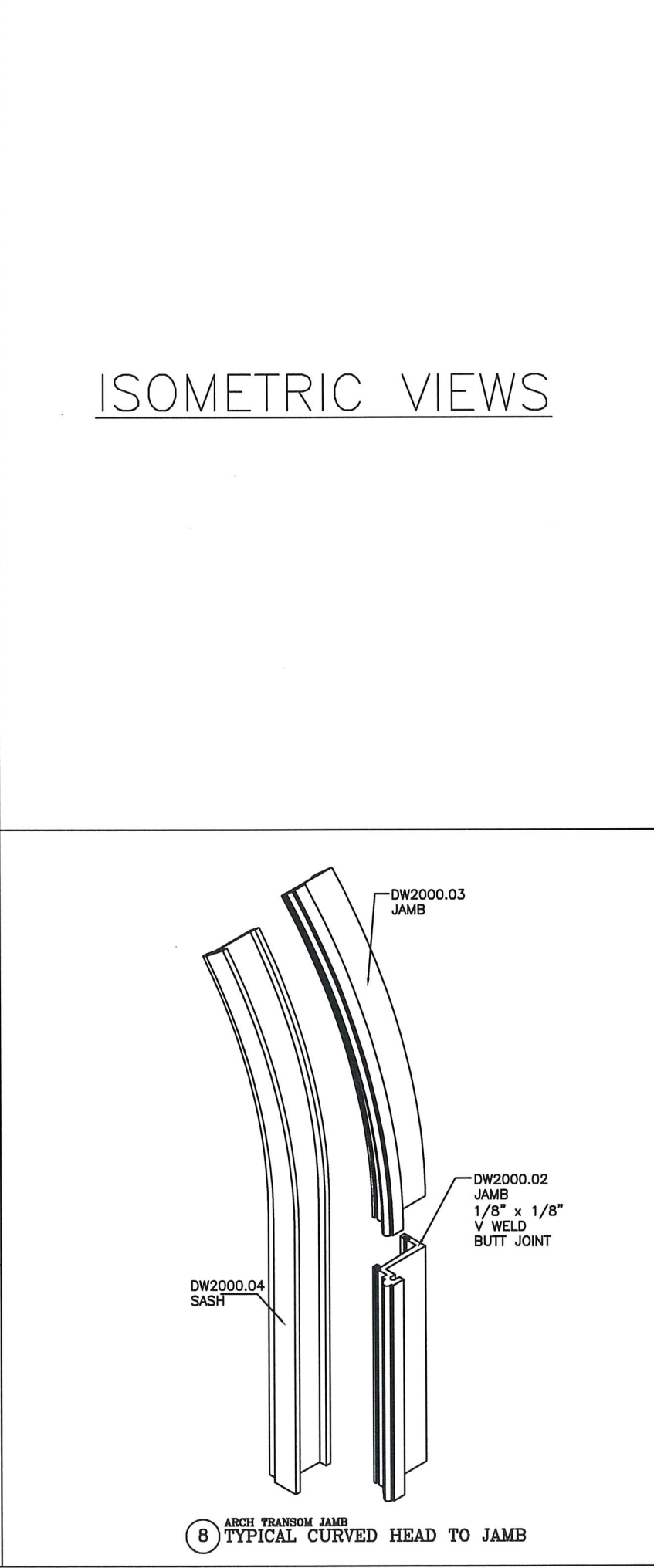
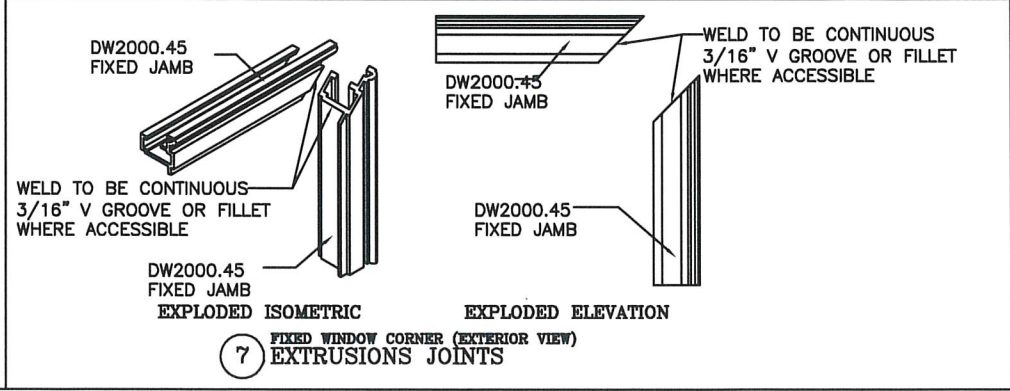
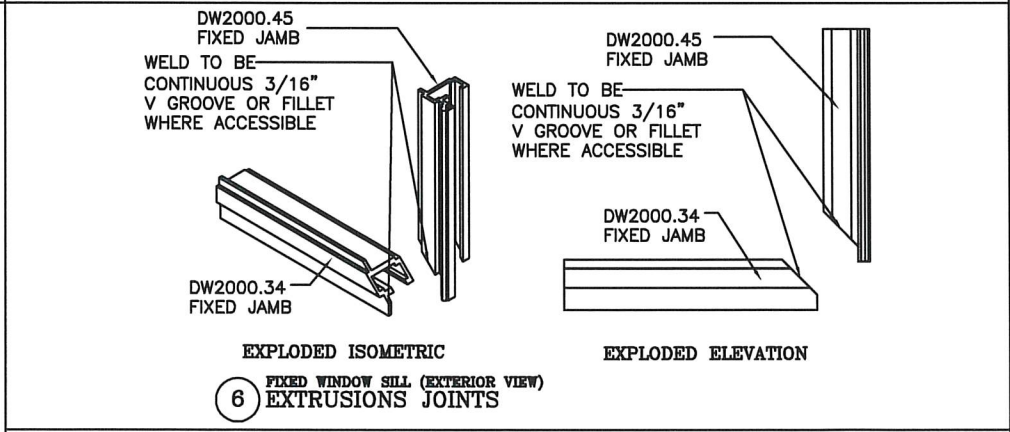
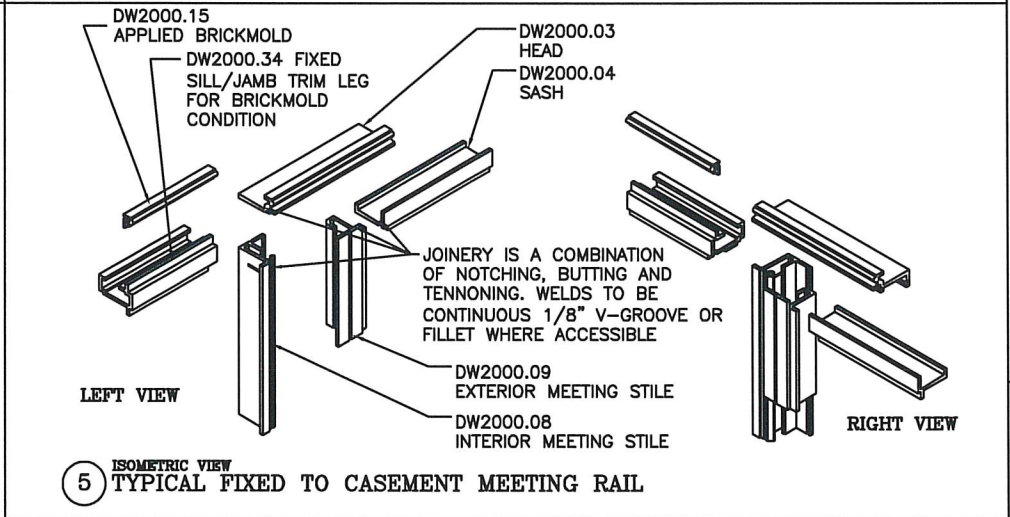
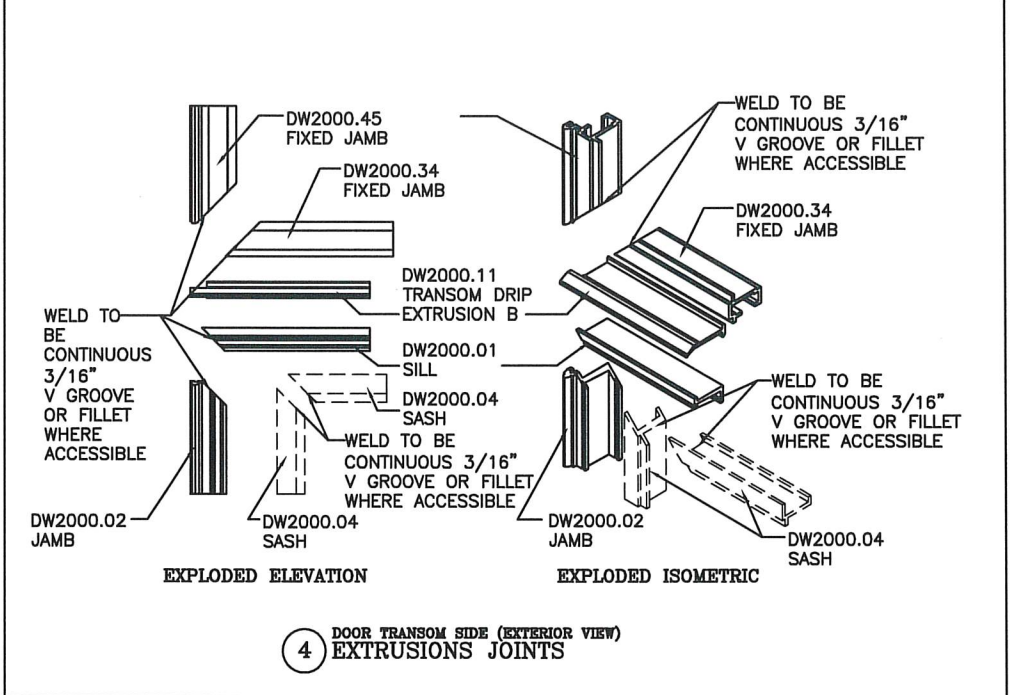
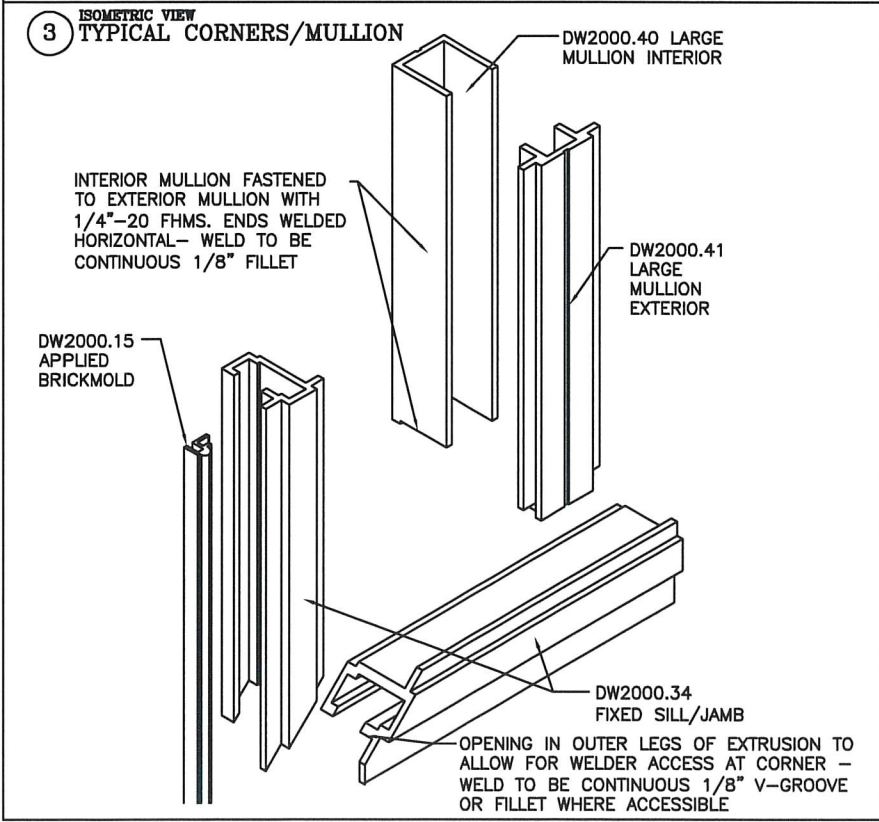
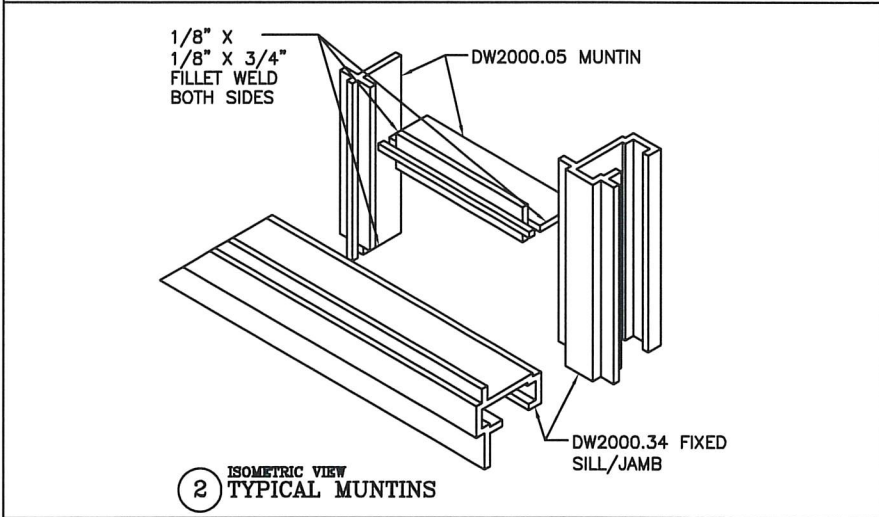
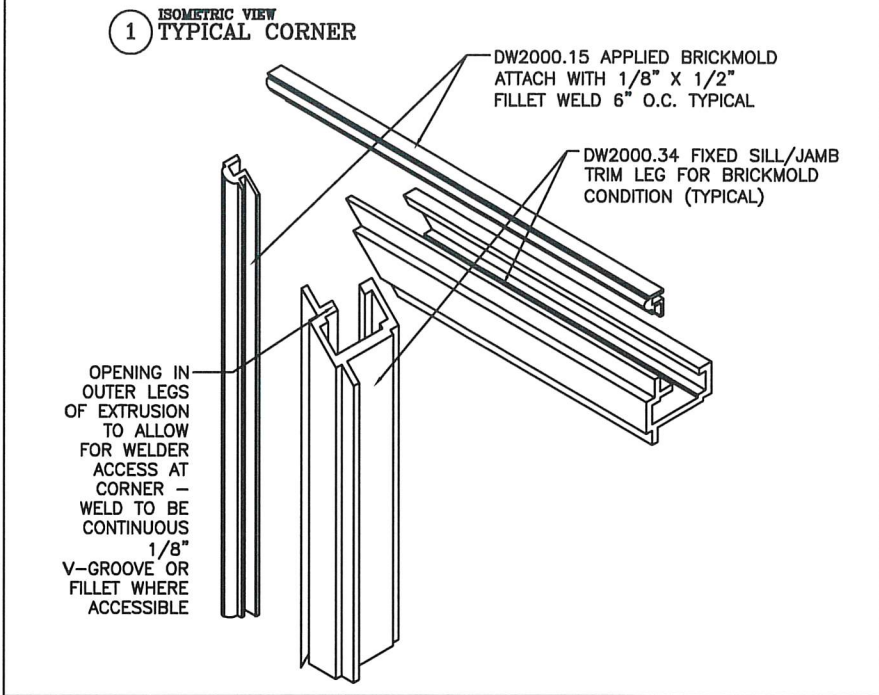


㉓ TREX BLOCKING (3.K)

ALL METAL EXTRUSIONS
BRONZE ALLOY 385 OR 380

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 FIXED WINDOW
HISTORICAL ARTS & CASTING, INC.
5580 WEST Bagley PARK Rd., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493
NOTES REVISIONS
12/12/22
RKH
7 OF 8



ISOMETRIC VIEWS

SCOTT WOLTERS
FLPE# 62354

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
DEC 19 2022

SCOTT WOLTERS
FLPE# 62354

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

PALMETTO SERIES FIXED WINDOW

HISTORICAL ARTS & CASTING, INC.
5580 WEST Bagley PARK Rd., WEST JORDAN, UT. 84081
PHONE 801-280-2400 FAX 801-280-2493

12/12/22

RKH

NOTES REVISIONS

8 OF 8