

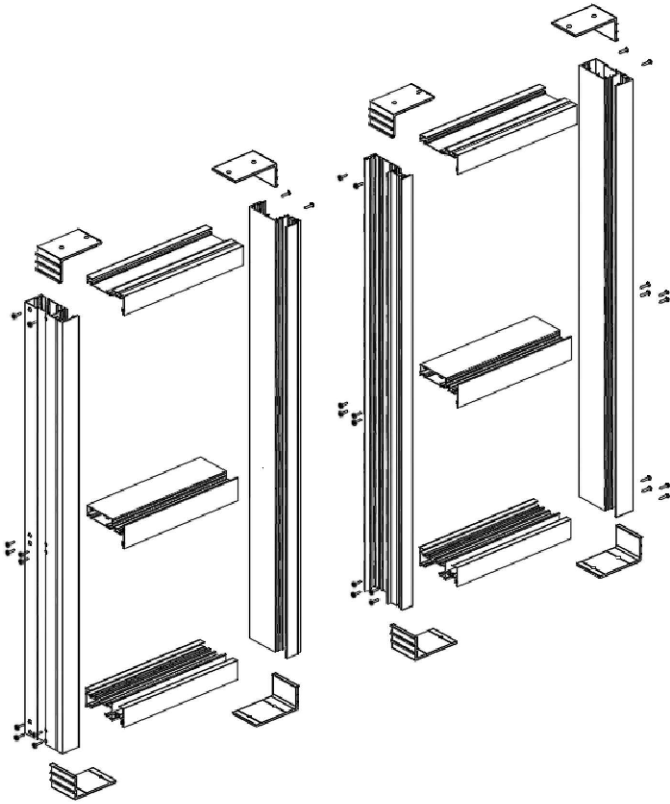
MGS 650T L.M.I.
THERMAL INSULATED-LAMINATED
WINDOW WALL STOREFRONT SYSTEM
BY



GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED PER TAS 201, 202, 203, AND AAMA 501 TO MEET ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODES, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS.
2. THIS SYSTEM IS RATED FOR LARGE AND SMALL MISSILE IMPACT (LMI/SMI), SHUTTERS ARE NOT REQUIRED.
3. ALL SHIMS, LOCATED AND APPLIED, SHALL BE HIGH-IMPACT, NON-METALLIC, NON-COMPRESSIBLE AND MADE OF MATERIALS AND THICKNESS CAPABLE OF WITHSTANDING APPLICABLE LOADS.
4. 1X WOOD BUCKS OVER CONCRETE OR MASONRY ARE OPTIONAL.
5. 1X WOOD BUCKS, AND MASONRY OPENINGS ARE BY OTHERS, MUST BE DESIGNED AND PROPERLY INSTALLED TO ADEQUATELY TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE, AND ARE THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. WOOD BUCKS SHALL EXTEND BEYOND INTERIOR FACE OF THIS PRODUCT TO PROVIDE FULL FRAME SUPPORT.
7. WHERE 1BY WOOD BUCK IS USED, SEPARATE DISSIMILAR MATERIALS WITH APPROVED COATING OR MEMBRANE; SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
8. DESIGN PRESSURE CAPACITIES REFERENCED HEREIN MEET THE REQUIREMENTS OF ASTM E1300-16.
9. ALL ANCHORS AND FASTENERS SHALL BE CORROSION-RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS; SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND STUCCO OR WALL FINISHES.

10. FOR ANCHORING INTO CONCRETE STRUCTURES USE 3/8" DEWALT SCREW BOLT, OR EQUIVALENT, WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/4" MINIMUM EMBEDMENT INTO THE BUILDING SUBSTRATE WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN ON ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURES USE 3/8" DEWALT TAP-FLEX ANCHORS, OR EQUIVALENT, WITH SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION AND THREE (3) THREADS MINIMUM BEYOND THE INTERIOR METAL STRUCTURE. LOCATE ANCHORS AS SHOWN ON ELEVATIONS AND INSTALLATION DETAILS.
12. DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO METAL SCREWS, THAT COME INTO CONTACT SHALL BE PAINTED OR PLATED PER REQUIREMENTS OF THE FLORIDA BUILDING CODE AND ADOPTED STANDARDS.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. CONCRETE:
MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 - B. METAL STRUCTURE(S):
STEEL: 1/8" MINIMUM THICKNESS, FY=36 KSI MINIMUM.
15. THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE-SPECIFIC PROJECT, I.E., LIFE-SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND WEATHER-SEALING FOR WATER INFILTRATION RESISTANCE, ETC.
16. REFER TO INSTALLATION MANUAL FOR REQUIRED SEALANTS. SEALANTS SHALL BE INSTALLED PER SEALANT MANUFACTURER SPECIFICATIONS.
17. CONDITIONS NOT REPRESENTED IN THESE DRAWINGS SHALL BE ANALYZED SEPARATELY AND REVIEWED BY THE BUILDING OFFICIAL.
18. DESIGN LOADS IN THIS PRODUCT APPROVAL ARE NOMINAL (ASD) PRESSURES; ULTIMATE (LRFD) PRESSURES SHALL BE MULTIPLIED BY 0.6 FOR COMPARISON TO THIS APPROVAL.



INSTRUCTIONS:
(USE CHARTS AS FOLLOWS.)

- STEP 1 : DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARDS OR UTILIZE DP REQUIREMENTS AS SPECIFIED BY DESIGN PROFESSIONAL OF RECORD (EOR/ AOR)
- STEP 2 : SEE CHART "A" ON SHEET #4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE & TYPE. REFER TO SHEET #3 FOR GLASS TYPES AND DETAILS.
- STEP 3 : SEE CHART "B" ON SHEET #5 FOR JAMBS & MULLIONS LOAD CAPACITY,
NOTE: CAPACITY SHALL EXCEED DESIGN LOAD.
- STEP 4 : USING CHART C ON SHEET #6 FOR ANCHOR LOAD CAPACITY AND APPLICABLE ANCHOR CONDITIONS, SELECT ANCHOR OPTION WITH DESIGN RATING GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1 & 3, ABOVE.
- STEP 5 : THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO THE ENTIRE SYSTEM.



Digitally signed
by Scott Wolters
Date: 2026.03.02
08:48:48 -05'00'



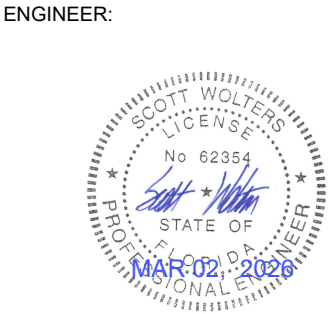
MILLER GLASS & GLAZING
100 PARK CENTRAL BLVD. SOUTH
POMPAÑO BEACH, FL 33064
TEL: (954)-784-6601
FAX: (954)-784-6671

PRODUCT:
MGS650Ti L.M.I./S.M.I.
THERMAL
LAMINATED-INSULATED
WINDOW WALL STOREFRONT
SYSTEM
PRODUCT APPROVAL
FBC (2023): FL#43420.3

REV.	DATE / REMARKS
	-

ENGINEER:
SCOTT WOLTERS
FL PE #62354

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



PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	1 OF 15
DWG: 650T	



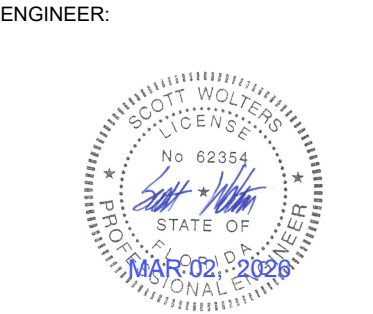
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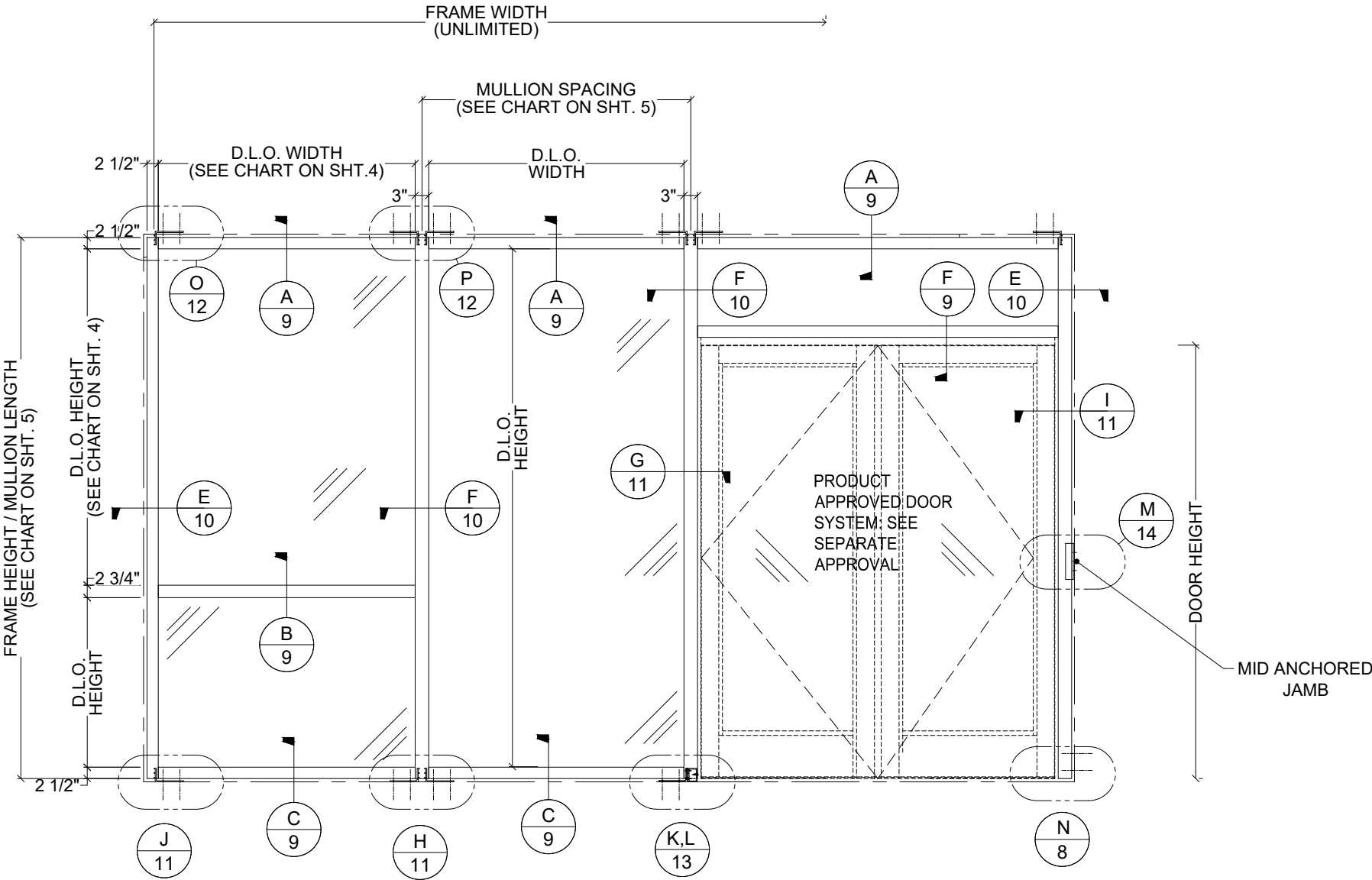
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TYPICAL ELEVATION
WITH ANCHOR TYPES A1/A2 AND ANGLE
CLIPS AT TOP & BOTTOM (SEE DETAILS @
SHEET 6)

NOTE:
FRAME WIDTH IS UNLIMITED PROVIDED
MULLIONS MEET THE SPACING
REQUIREMENTS SHOWN ON SHEET 5.

GLASS TYPES AND GLAZING DETAILS.



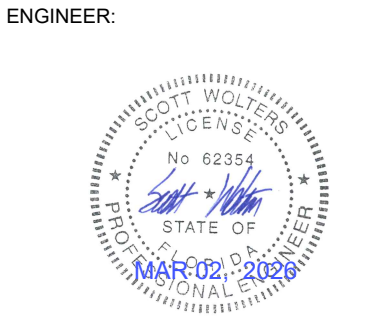
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GL-1 L.M.I.

OVERALL 1-5/16" INSULATED LAMINATED GLASS
COMPOSITION:
1/4" TEMPERED GLASS.
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
INTERLAYER: 0.090" SENTRYGLAS BY KURARAY
1/4" CLEAR HEAT STRENGTHENED GLASS.

GL-2 L.M.I.

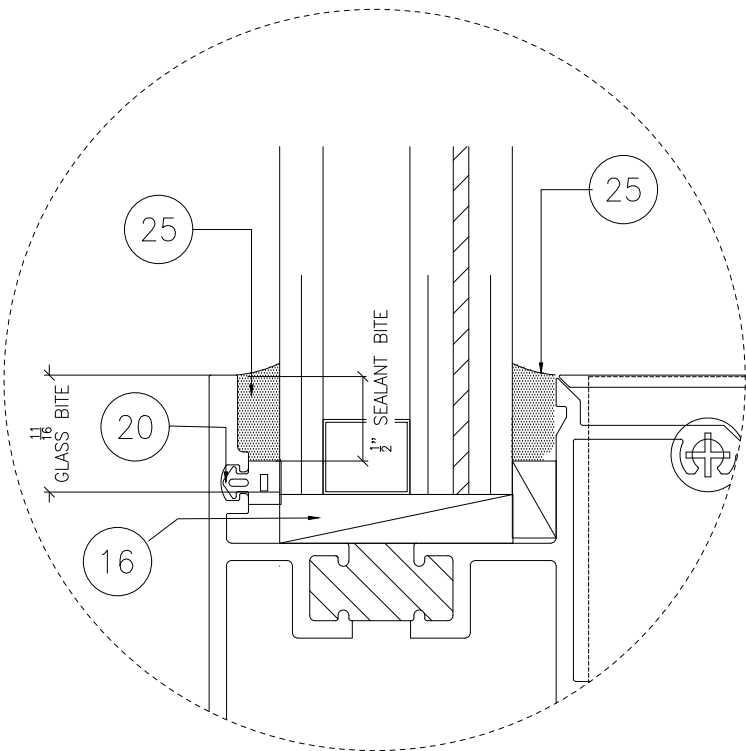
OVERALL 1-5/16" INSULATED LAMINATED GLASS
COMPOSITION:
1/4" TEMPERED GLASS.
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
INTERLAYER: 0.077" SAFLEX STORM
1/4" CLEAR HEAT STRENGTHENED GLASS.

GL-3 L.M.I.

OVERALL 1-5/16" INSULATED LAMINATED GLASS
COMPOSITION:
1/4" TEMPERED GLASS.
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
INTERLAYER: 0.090" PVB
1/4" CLEAR HEAT STRENGTHENED GLASS.

GL-4 S.M.I.

OVERALL 1-5/16" INSULATED LAMINATED GLASS
COMPOSITION:
1/4" TEMPERED GLASS.
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
INTERLAYER: 0.060" PVB
1/4" CLEAR HEAT STRENGTHENED GLASS.



SEE SHEET #3 FOR GLASS TYPE DESCRIPTIONS AND GLAZING DETAILS

GLASS CHART "A", GLASS LOAD CAPACITY (PSF)					
W (DLO)	H (DLO)	GL1 0.090 SENTRY GLASS BY KURARAY	GL2 0.077 SAFLEX STORM	GL3 0.090 PVB TROSIFOL BY KURARAY	GL4 0.060 PVB TROSIFOL BY KURARAY
58 1/4	84	80	70	60	110
66		80	70	-	110
72		80	70	-	110
79 1/2		80	70	-	110
86		-	-	-	110
48	96	80	70	60	110
51		80	70	60	110
56		80	70	-	110
60		80	70	-	110
69 1/2		80	70	-	110
75 1/4		-	-	-	110
45-1/4	108	80	70	60	110
56		80	70	-	110
61 3/4		80	70	-	110
67		-	-	-	110
41 1/2	117 1/2	80	70	60	110
48		80	70	-	110
56 7/8		80	70	-	110
61 1/2		-	-	-	110
37	132	80	70	60	110
42		80	70	-	110
48		80	70	-	110
50 1/2		80	70	-	110
54 3/4		-	-	-	110
35 1/4	139	80	70	60	110
42		80	70	-	110
48		80	70	-	110
52		-	-	-	110
34	144	80	70	60	110
42		80	70	-	110
46 1/4		80	70	-	110
50		-	-	-	110

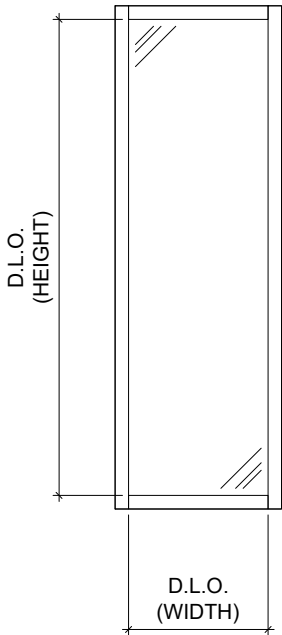
TESTED GLASS SIZE (REF. DLO)
GLASS TYPE
GL-1: 56-7/8" X 117-1/2" = 46.4 SQ. FT.
GL-2: 56-7/8" X 117-1/2" = 46.4 SQ.FT.
GL-3: 50" X 98" = 34.02 SQ.FT.
GL-4: 52" x 139" = 50.19 SQ. FT.

NOTES:

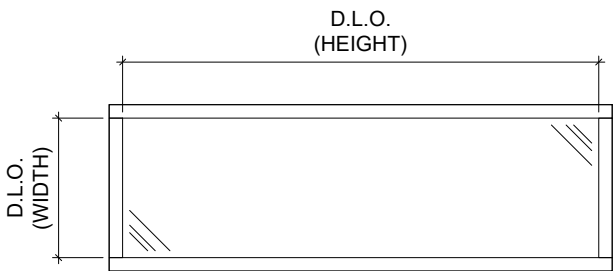
GLASS CAPACITIES ON THIS SHEET ARE BASED ON PRODUCT TESTING AND MEET THE REQUIREMENTS OF ASTM E1300-16 (3 SEC. GUSTS)

STEP 2 :

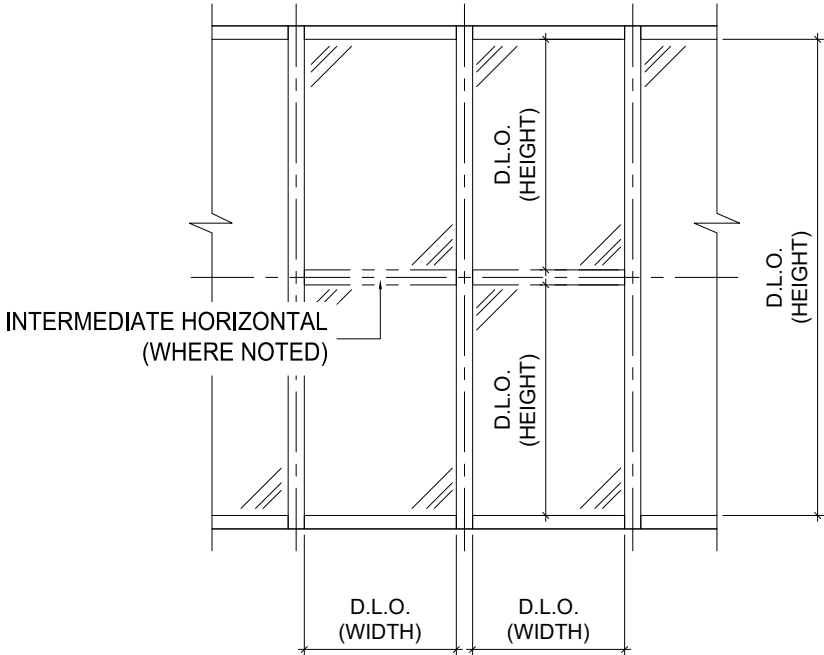
D.L.O. WIDTH x HEIGHT
LARGEST DIMENSION
NOTED AS THE HEIGHT.



ROTATED D.L.O. WIDTH x HEIGHT
LARGEST DIMENSION NOTED AS THE
HEIGHT, CORRESPONDS TO GLASS
LOAD CHART.



FRAMES CAN BE ORIENTED
HORIZONTALLY OR VERTICALLY



GLASS CAPACITY



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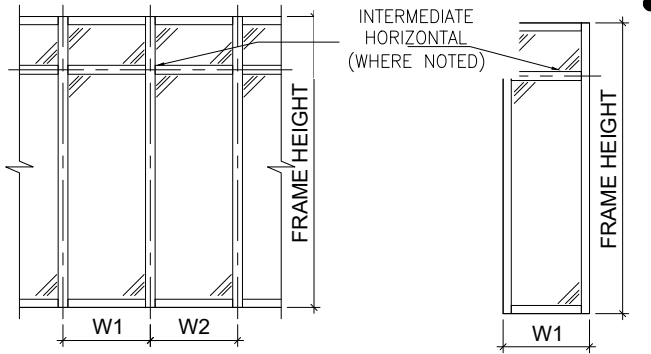


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DWG: 650T	

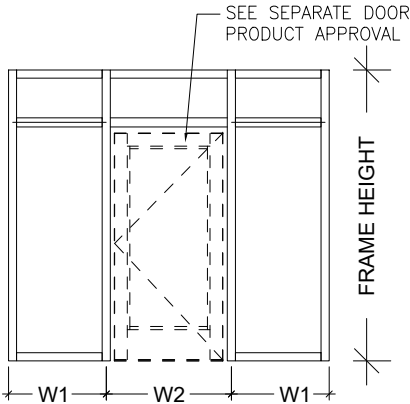
CHART "B", JAMB / MULLION LOAD CAPACITY (PSF)								
MULLION HEIGHT (in)	MULLION WIDTH (in)	MULLION M1	MULLION M2	MULLION M3	JAMB J1	JAMB J2	JAMB J3	JAMB WITH ANCHOR
96	72	80	100	110	80	100	110	110
	77	80	100	110	80	100	110	110
	80	50	80	110	50	80	110	110
	83 1/2	50	80	90	50	80	90	90
108	60	80	100	110	80	100	110	110
	68 1/2	80	100	110	80	100	110	110
	74	50	80	110	50	80	110	110
	80 1/2	50	80	90	50	80	90	90
122 1/2	83 1/2	-	-	90	-	-	-	90
	56	80	100	110	80	100	110	110
	60 3/8	80	100	110	80	100	110	110
	65 1/4	50	80	110	50	80	110	110
132	66	50	80	90	50	80	90	90
	71	50	80	90	50	80	90	90
	83 1/2	-	-	90	-	-	-	90
	48	80	100	110	80	100	110	110
144	51	75.7	94.6	110	75.7	94.6	110	110
	56	68.9	86.1	110	68.9	86.1	110	110
	60 1/2	50	80	110	50	80	110	110
	62	50	80	90	50	80	90	90
156	65 3/4	50	80	90	50	80	90	90
	72	-	-	90	-	-	-	90
	79 1/4	-	-	90	-	-	-	90
	83 1/2	-	-	-	-	-	-	90
168	39	76.2	95.3	110	76.2	95.3	110	110
	42	70.8	88.5	110	70.8	88.5	110	110
	48	61.9	80	110	61.9	80	110	110
	51 1/4	58	80	110	58	80	110	110
180	55 1/2	50	80	110	50	80	110	110
	57	50	80	90	50	80	90	90
	60 3/8	50	80	90	50	80	90	90
	66	-	-	90	-	-	-	90
192	72 3/4	-	-	90	-	-	-	90
	83 1/2	-	-	-	-	-	-	90
204	36	65	81.2	110	65	81.2	110	110
	39	60	80	110	60	80	110	110
	42	55.7	80	110	55.7	80	110	110
	47 1/4	50	80	101.6	50	80	101.6	101.6
216	51 1/4	46.3	74.1	93.7	46.3	74.1	93.7	93.7
	55 3/4	42.5	68.1	90	42.5	68.1	90	90
	60	-	-	85.8	-	-	-	90
	67	-	-	76.8	-	-	-	88.2
228	77	-	-	-	-	-	-	76.7
	36	52	80	106.8	52	80	106.8	106.8
	39	48.7	78	98.5	48.7	78	98.6	98.6
	44	43.2	69.1	90	43.2	69.1	90	90
240	48	39.6	63.4	85.9	39.6	63.4	85.9	90
	51 3/4	36.7	58.8	79.6	36.7	58.8	79.6	90
	56	-	-	73.6	-	-	73.6	84.5
	62 1/4	-	-	66.2	-	-	-	76
252	71 1/2	-	-	-	-	-	-	66.2
	36	42.9	68.7	90	42.9	68.7	90	90
	39	39.6	63.4	85.9	39.6	63.4	85.9	90
	41	37.7	60.3	81.7	37.7	60.3	81.7	90
264	45	34.3	54.9	74.5	34.3	54.9	74.5	85.5
	48 1/4	32	51.2	69.5	32	51.2	69.5	79.7
	52	-	-	64.4	-	-	-	74
	58	-	-	57.8	-	-	-	66.3
276	66 3/4	-	-	-	-	-	-	57.6

SHADED VALUES ARE APPROVED FOR USE OUTSIDE OF THE HVHZ ONLY

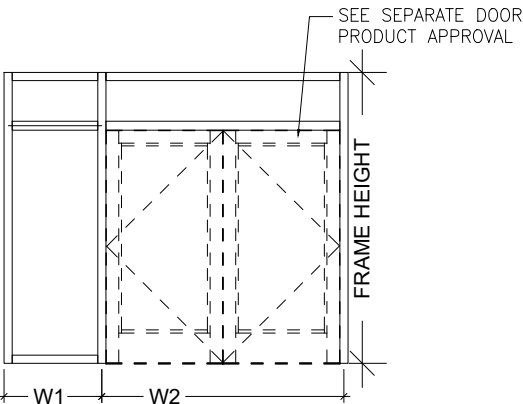


WIDTH (W) = (MULLION) WIDTH (W) = W1 (JAMB)

$$\frac{W1 + W2}{2}$$



$$\text{WIDTH (W)} = \frac{W1 + W2}{2} \text{ (MULLION)}$$



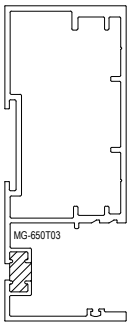
$$\text{WIDTH (W)} = \frac{W1 + W2}{2} \text{ (MULLION)}$$

NOTE:
JAMB MULLION DEFLECTIONS AND
JAMB CAULK JOINT SIZES AND SEALANT
TYPES MUST MEET THE REQUIREMENTS
OF ASTM C1472.

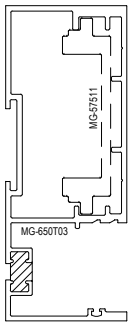
REINFORCING LENGTH = MULLION LENGTH - 12"

STEP 3:

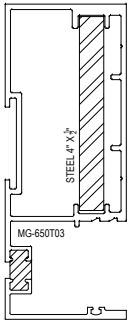
JAMB / MULLION



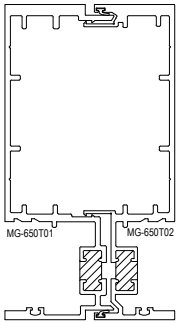
J1



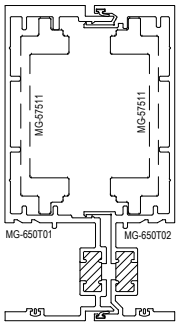
J2



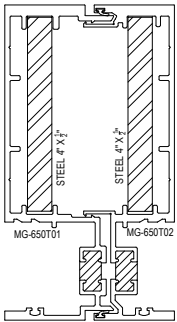
J3



M1



M2



M3

MULLION/JAMB CAPACITY



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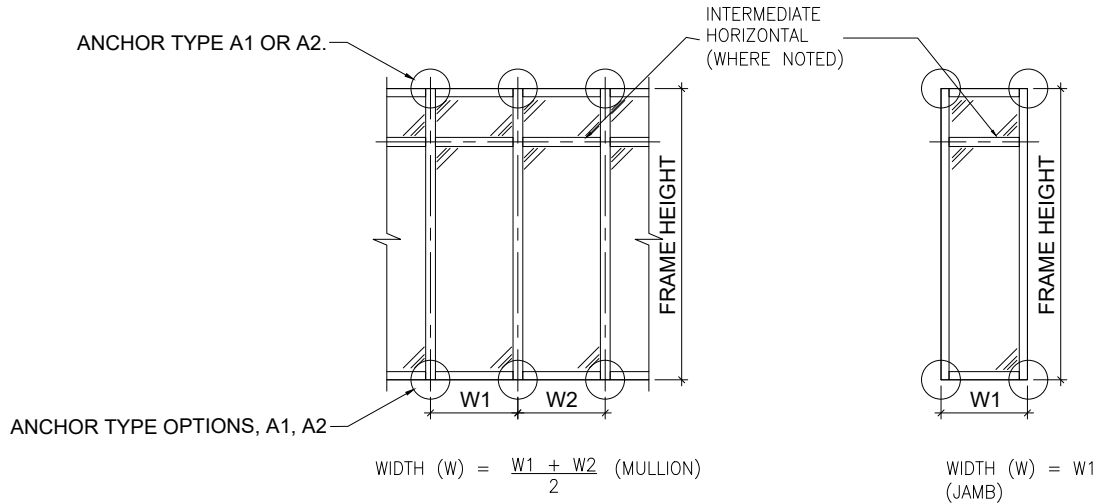
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DATE: 02-10-26	
DWG: 650T	

ANCHORS TYPES A1 & A2 WORK WITH ALL SIZES AND LOADS ON SHEET 5, MULLION/JAMB CAPACITY.

ALTERNATE ANCHOR TYPES, OR OTHER EDGE DISTANCE OR SPACING REQUIREMENTS, REQUIRE PROJECT SPECIFIC ENGINEERING BY A FLORIDA LICENCED P.E.

STEP 4:

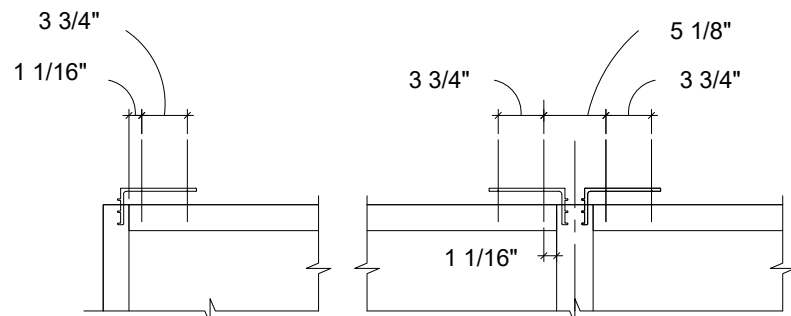


TYPICAL ANCHORS AT WINDOW WALL SYSTEM:

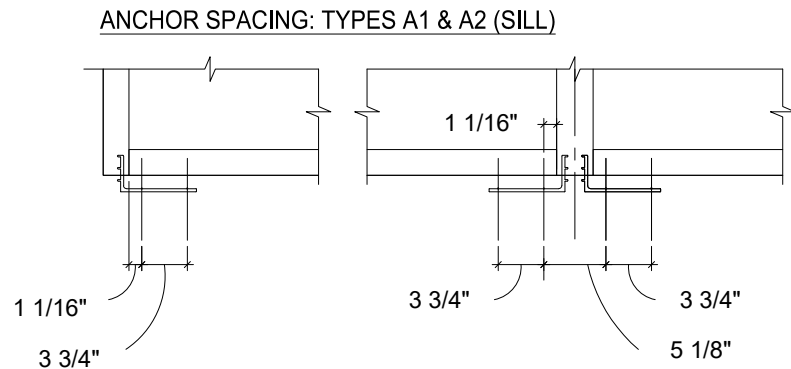
(* SEE BELOW FOR SPACING)

TYPE A1: ANCHOR CLIP (PART MG-57513) INTO CONCRETE ($f_c = 4,000$ PSI MIN.)
w/3/8" DEWALT SCREW-BOLT (2 BOLTS PER CLIP)
SPACED AT 3-3/4" C.C.
EMBEDMENT: 3 1/4" MIN.
EDGE DISTANCE: 4" MIN.

TYPE A2: ANCHOR CLIP (PART MG-57513) INTO METAL STRUCTURES:
w/3/8" ELCO HWH GRADE 5 e-FORM FIVE LOBE THREAD FORMING
SCREWS (2 SCREWS PER CLIP)
SPACED AT 3-3/4" C.C.
STEEL: 1/8" THK. MIN.
(DISSIMILAR METALS IN CONTACT TO BE PAINTED OR PLATED.)
EDGE DISTANCE: 3/4" MIN.



ANCHOR SPACING: TYPES A1 & A2 (HEAD)



ANCHOR SPACING: TYPES A1 & A2 (SILL)

ANCHOR LOAD TYPE & CAPACITY



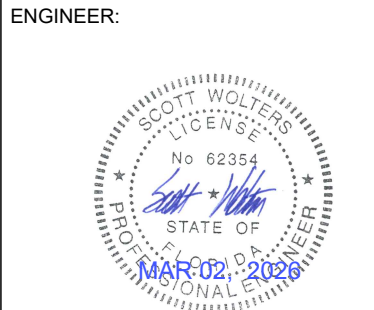
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100 PARK CENTRAL BLVD. SOUTH
POMPANO BEACH, FL 33064
TEL: (954)-784-6601
FAX: (954)-784-6671

PRODUCT:
MGS650Ti L.M.I./S.M.I.
THERMAL
LAMINATED-INSULATED
WINDOW WALL STOREFRONT
SYSTEM
PRODUCT APPROVAL
FBC (2023): FL#43420.3

REV.	DATE / REMARKS
-	-

ENGINEER:
SCOTT WOLTERS
FL PE #62354

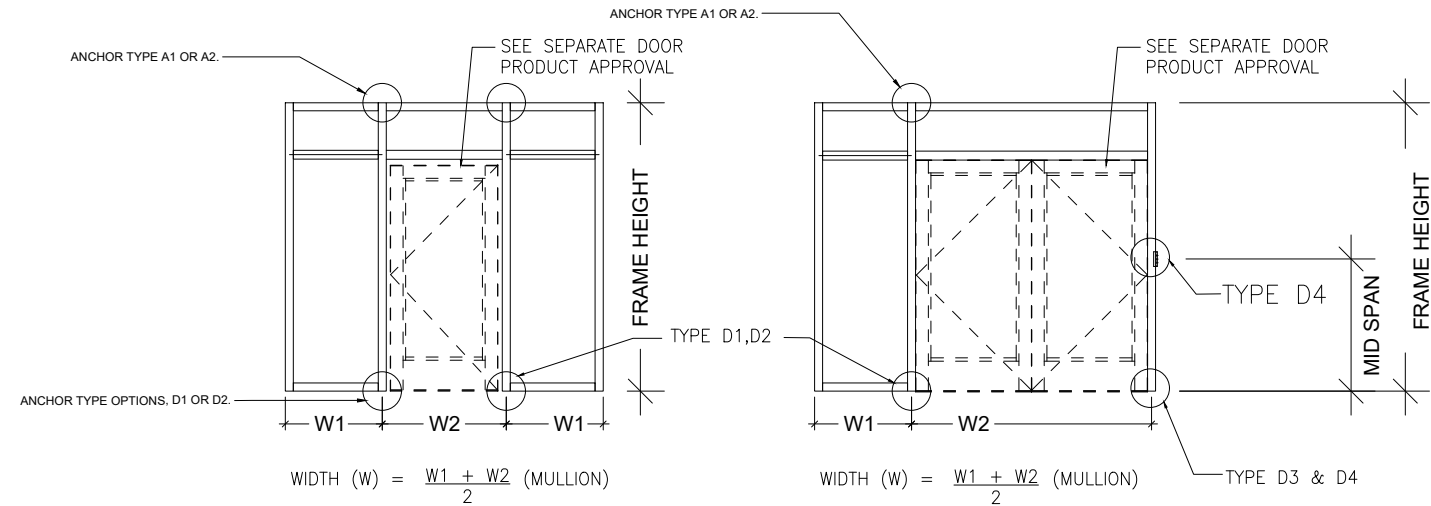
WOLTERS ENGINEERING
(COA#27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982



PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	6 OF 15
DWG: 650T	

ANCHORS TYPE D1 CAN BE USED WITH A MAX REACTION OF 1,500 LBS.
ANCHORS TYPE D2, D3 & D4 ARE APPROVED FOR ALL MULLION SIZES AND PRESSURES LISTED IN CHART B ON SHEET 5.



TYPE D1: SPECIAL ANCHOR CLIP ASSEMBLY (PART MG-57513 + TUBE) INTO CONCRETE ($f_c = 4000$ PSI MIN.)
w/3/8" DEWALT SCREW-BOLT (2 BOLTS PER CLIP)
SPACED AT 3-3/4" C.C.
EMBEDMENT: 3 1/4" MIN.
EDGE DISTANCE: 3" MIN.

TYPE D2: SPECIAL ANCHOR CLIP ASSEMBLY (PART MG-57513 + TUBE) INTO CONCRETE ($f_c = 4000$ PSI MIN.)
w/1/2" DEWALT SCREW-BOLT (2 BOLTS PER CLIP)
SPACED AT 6-3/4" C.C.
EMBEDMENT: 3" MIN.
EDGE DISTANCE: 4-1/2" MIN.

TYPE D3: CONCRETE ($f_c = 4000$ PSI MIN.)
(3) 3/8" DEWALT SCREW-BOLT
4" FROM BOTTOM
EMBEDMENT: 3-1/4" MIN.
EDGE DISTANCE: 3-1/2" MIN.

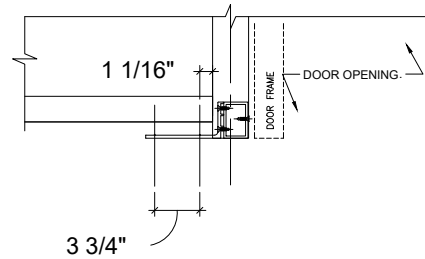
TYPE D4: CONCRETE ($f_c = 4000$ PSI MIN.)
(3) 3/8" DEWALT SCREW-BOLT
MID-SPAN
EMBEDMENT: 3-1/4" MIN.
EDGE DISTANCE: 3-1/2" MIN.
3-3/4" SPACING.

TYPICAL ANCHORS AT WINDOW WALL SYSTEM (@ DOOR):

(* SEE BELOW FOR SPACING)

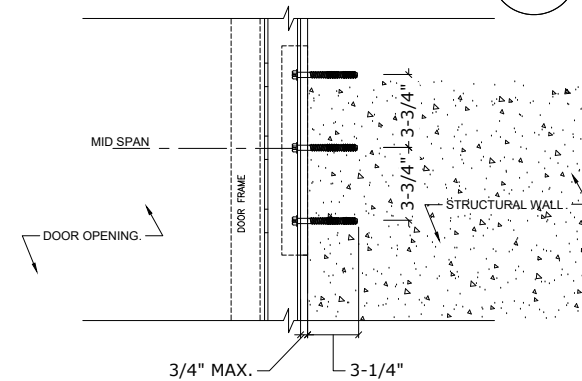
ANCHOR SPACING: TYPE D1 (SILL ONLY)

K



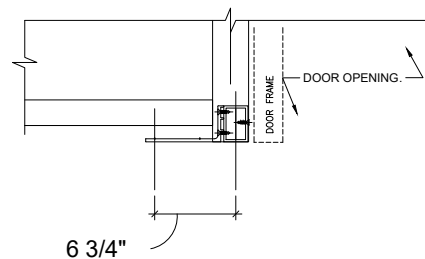
ANCHOR: TYPE D4 (JAMB MID SPAN)

M



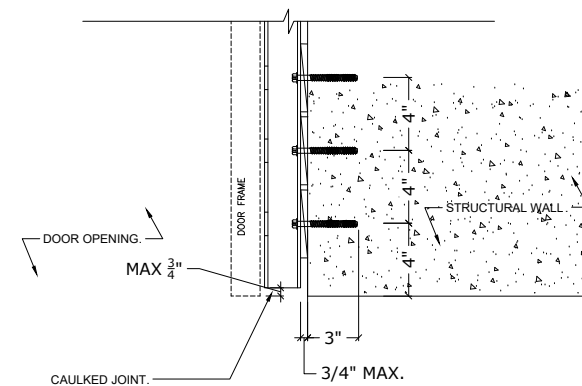
ANCHOR SPACING: TYPE D2 (SILL ONLY)

L



ANCHOR: TYPE D3 (DOOR/JAMB END DOWN)

N



ALTERNATE ANCHOR TYPES, OR OTHER EDGE DISTANCE OR SPACING REQUIREMENTS, REQUIRE PROJECT SPECIFIC ENGINEERING BY A FLORIDA LICENCED P.E.

TYPICAL DOOR ANCHOR DETAILS



MILLER GLASS & GLAZING
100 PARK CENTRAL BLVD. SOUTH
POMPANO BEACH, FL 33064
TEL: (954)-784-6601
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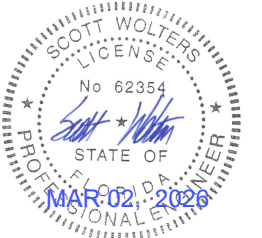
PRODUCT:
MGS650Ti L.M.I./S.M.I.
THERMAL
LAMINATED-INSULATED
WINDOW WALL STOREFRONT
SYSTEM
PRODUCT APPROVAL
FBC (2023): FL#43420.3

REV.	DATE / REMARKS
-	

ENGINEER:
SCOTT WOLTERS
FL PE #62354

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

ENGINEER:



PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	7 OF 15
DWG: 650T	



PRODUCT:

MGS650Ti L.M.I./S.M.I.

THERMAL
LAMINATED-INSULATED
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FBC (2023): FL#43420.3

REV.	DATE / REMARKS
	-

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SCOTT WOLTERS
FL PE #62354

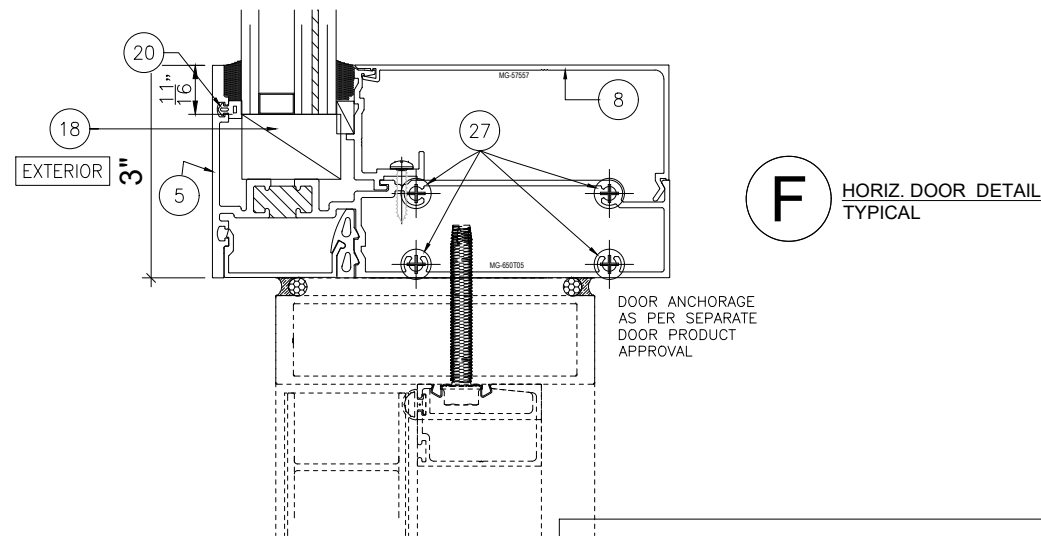
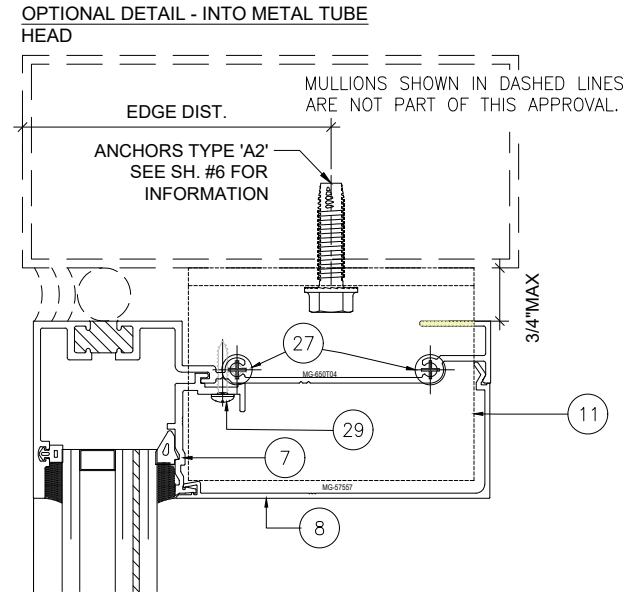
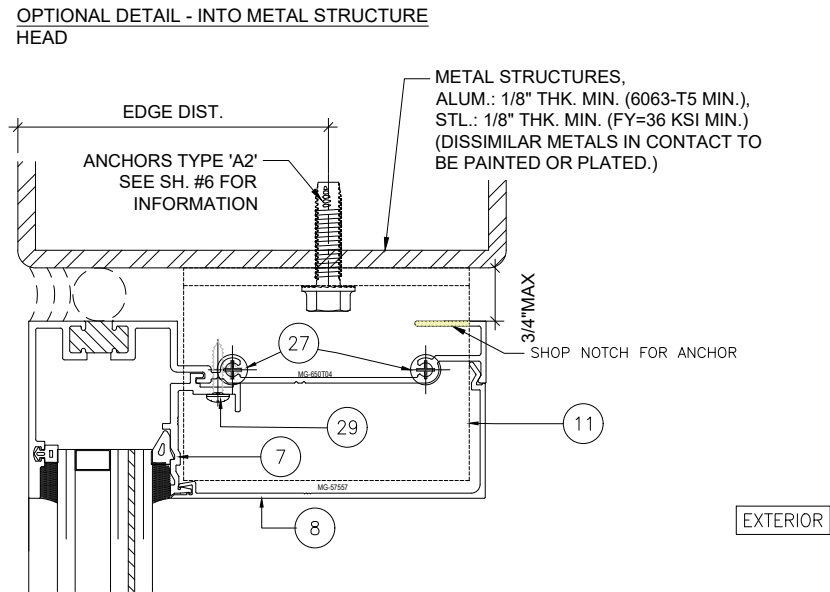
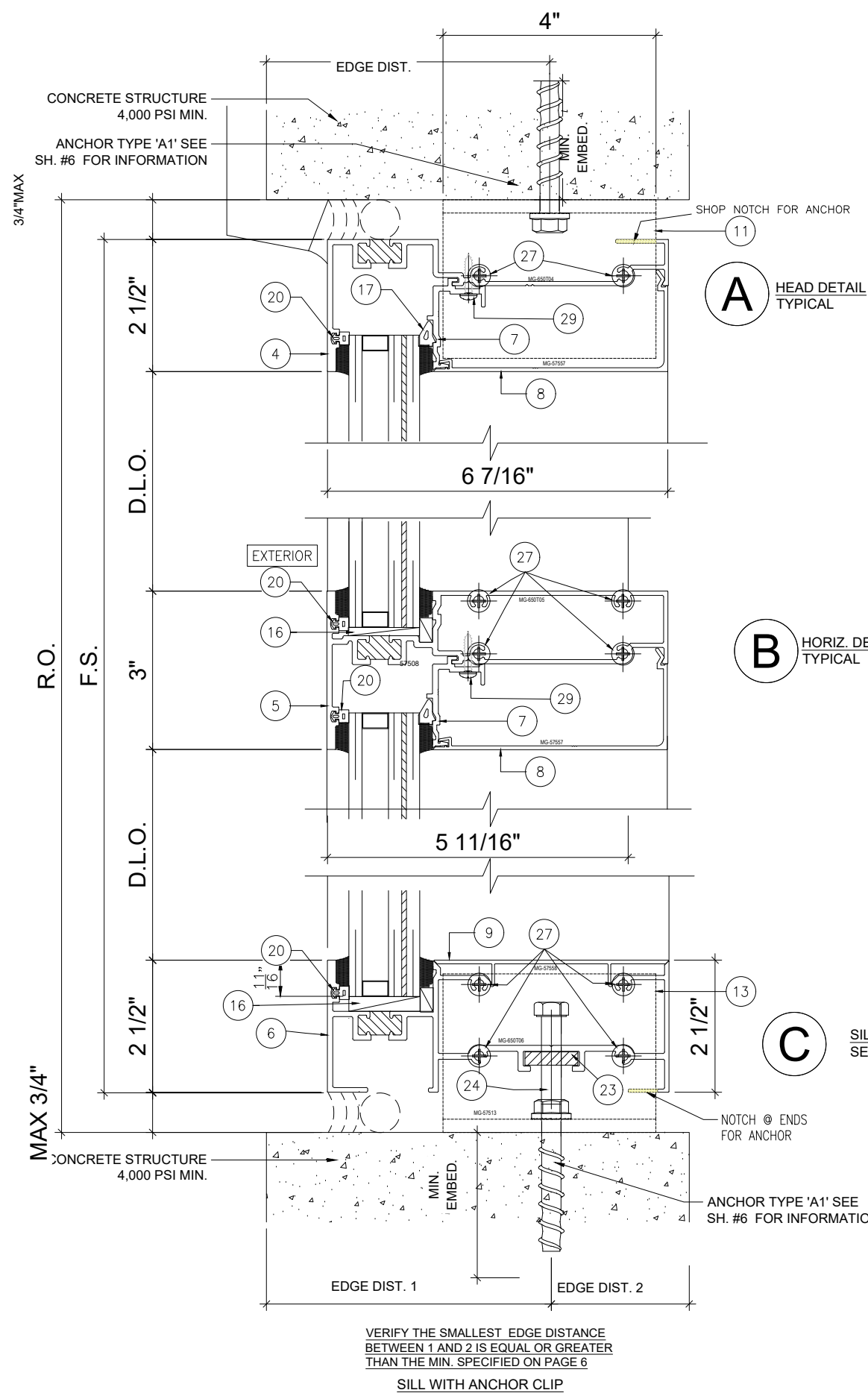
WOLTERS ENGINEERING
(COA#27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982

ENGINEER:

SCOTT WOLTERS
LICENSE
No 62354
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MAR 02, 2026

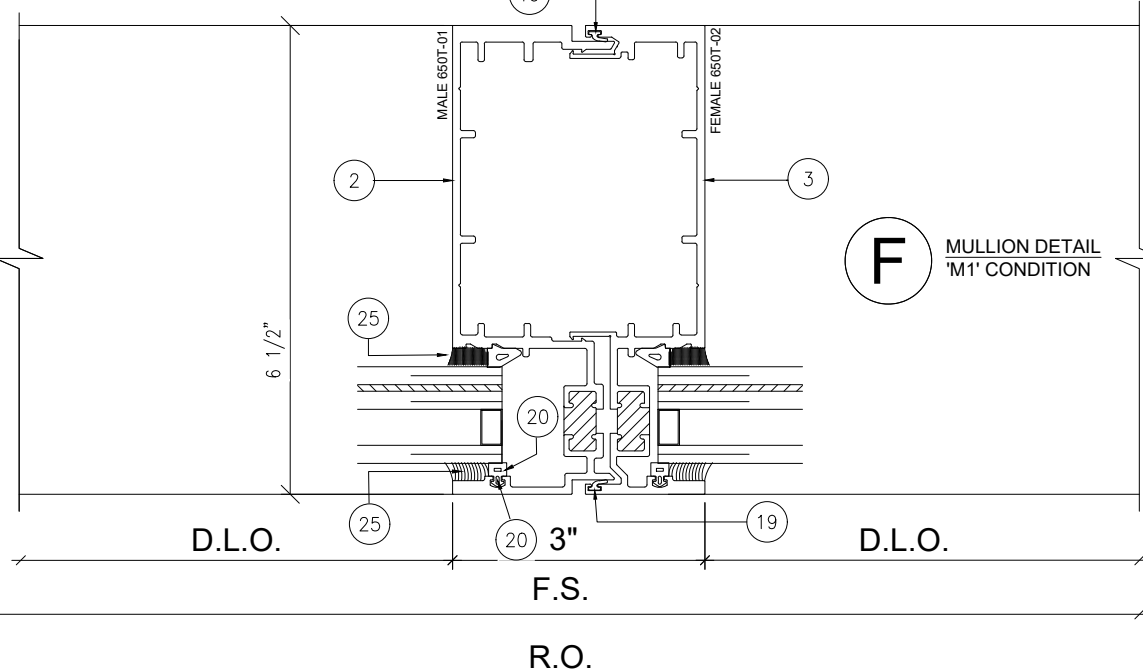
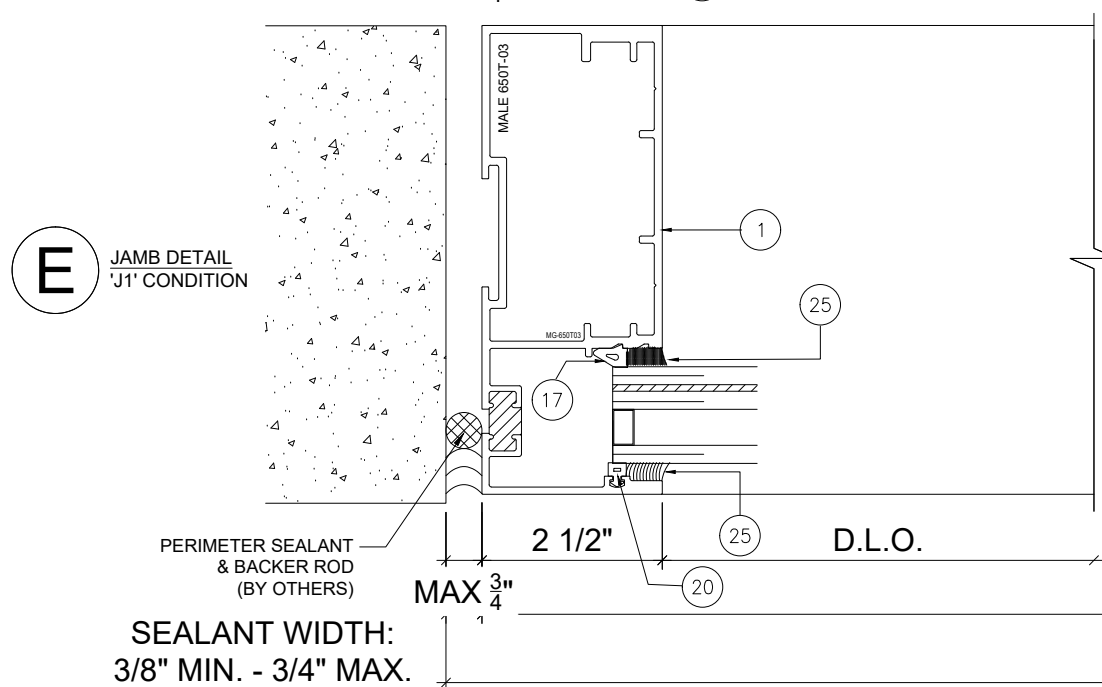
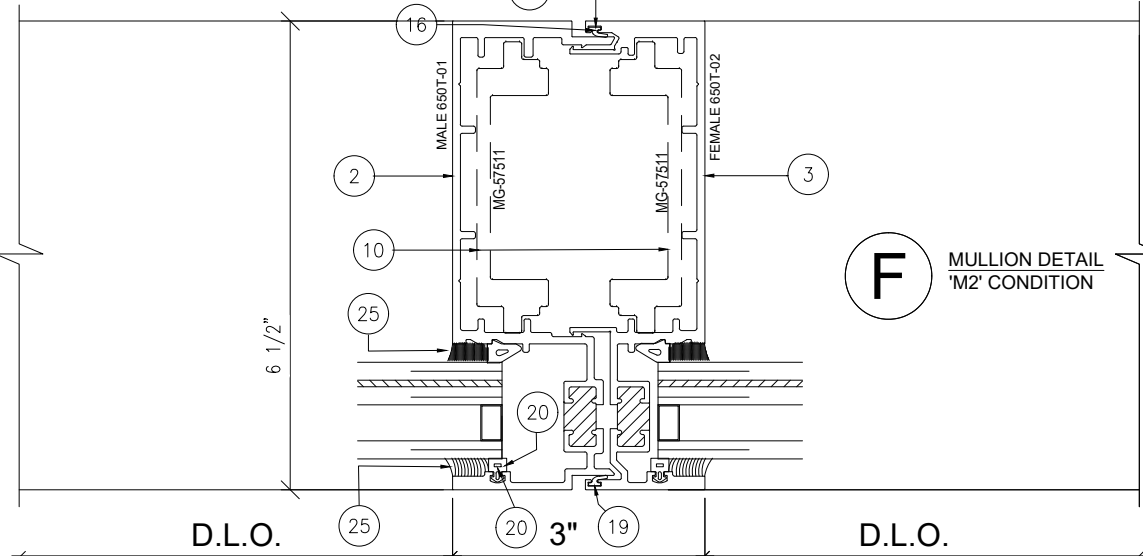
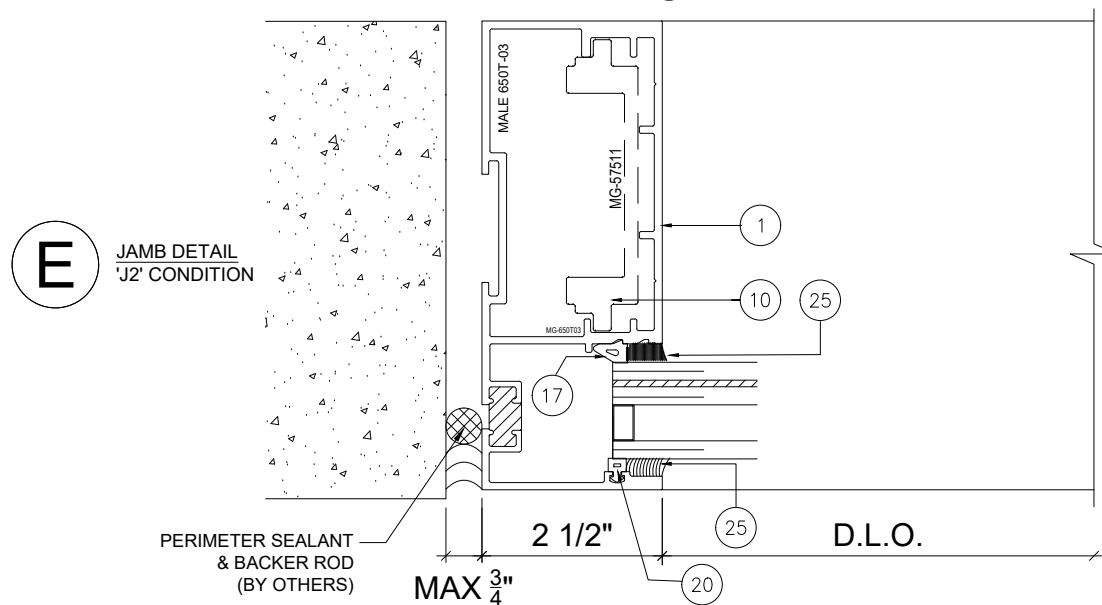
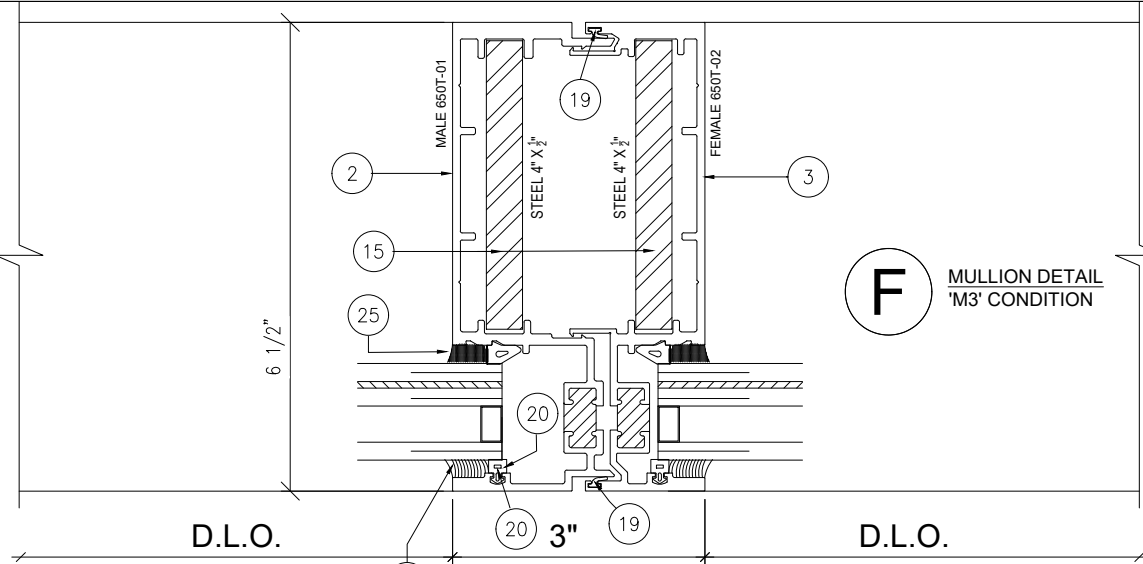
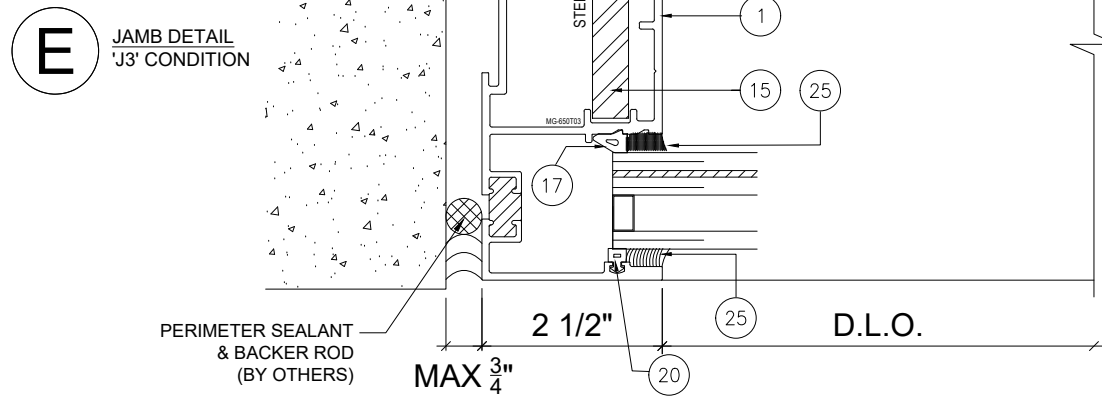
PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	8 OF 15
DWG: 650T	



ALTERNATE ANCHOR TYPES WILL REQUIRE
PROJECT SPECIFIC ENGINEERING ANALYSIS.

WOOD BUCKS AND METAL STRUCTURE NOT BY MILLER GLASS.
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.



SEALANT WIDTH:
3/8" MIN. - 3/4" MAX.

JAMB MULLION
DEFLECTIONS AND
JAMB CAULK JOINT
SIZES AND SEALANT
TYPES MUST MEET
THE REQUIREMENTS
OF ASTM C1472

EXTERIOR

TYPICAL VERTICAL DETAILS



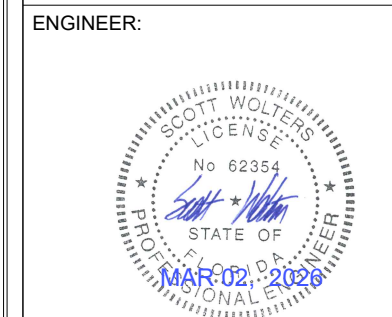
MILLER GLASS & GLAZING
100 PARK CENTRAL BLVD. SOUTH
POMPANO BEACH, FL 33064
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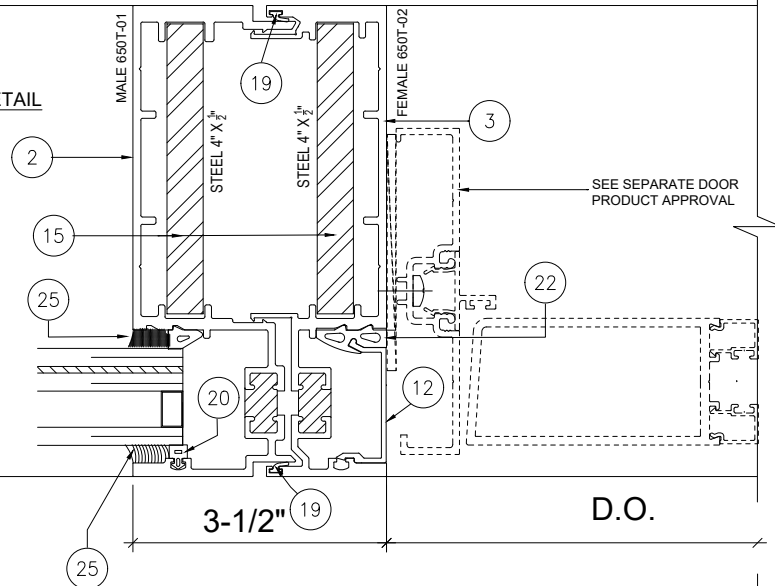


PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No : 9 OF 15
DATE: 02-10-26	
DWG: 650T	

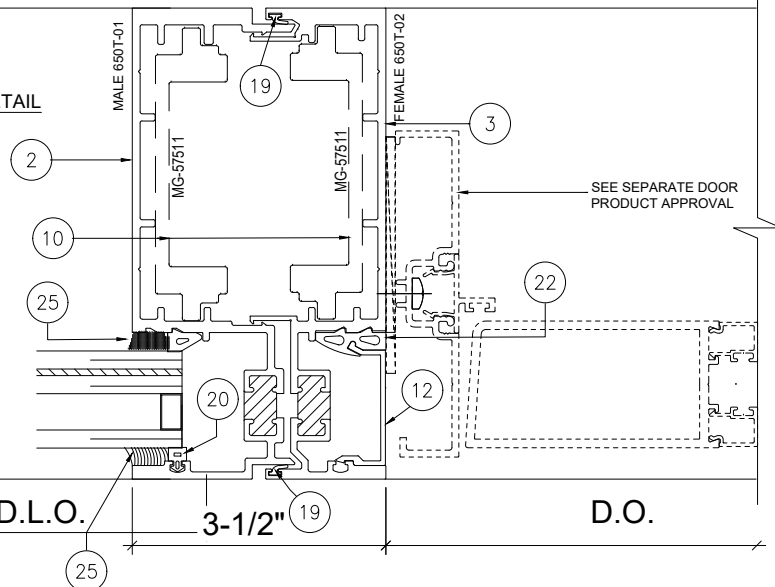
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DOOR MULLION DETAIL
'M3' CONDITION



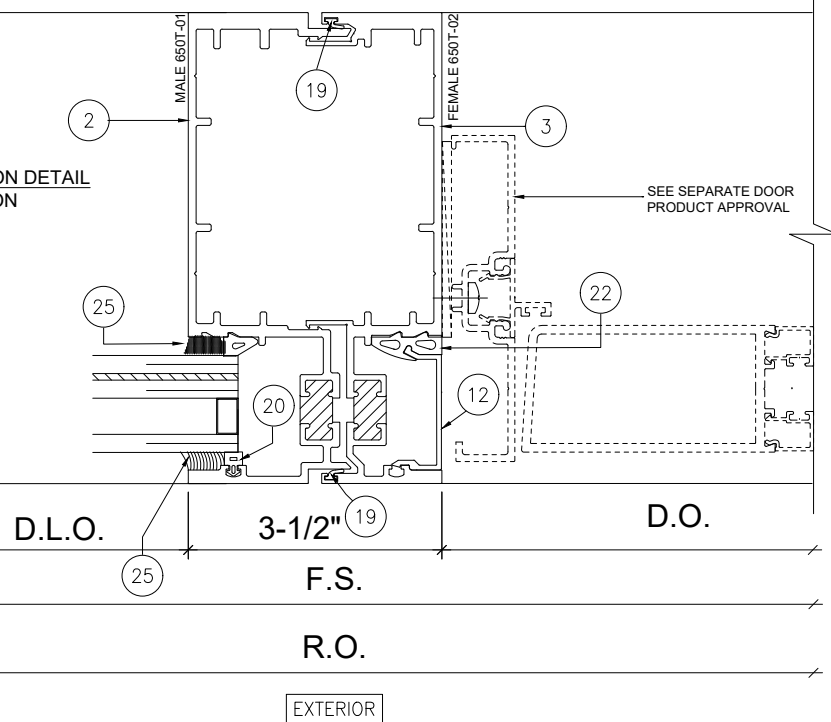
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DOOR MULLION DETAIL
'M3' CONDITION



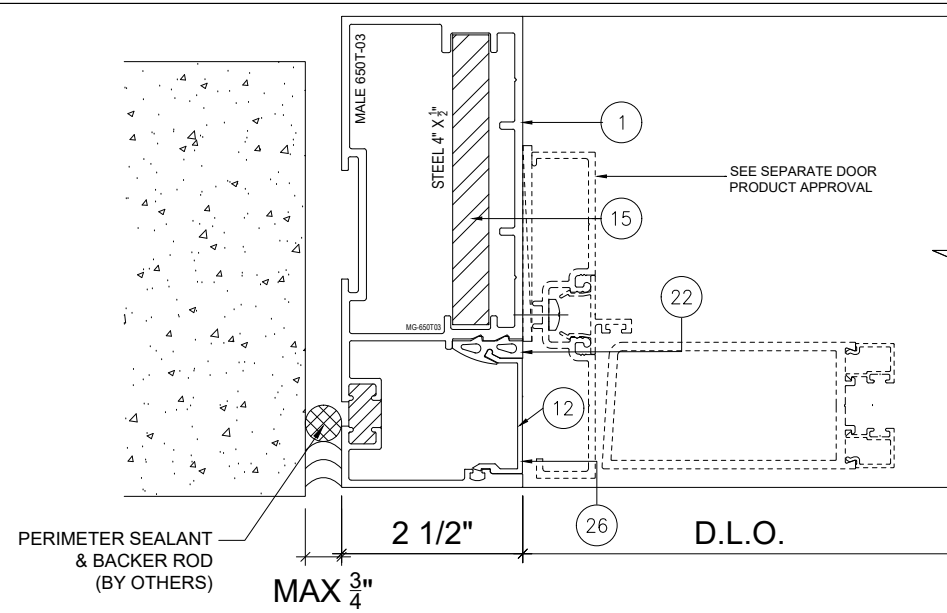
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DOOR MULLION DETAIL
'M3' CONDITION



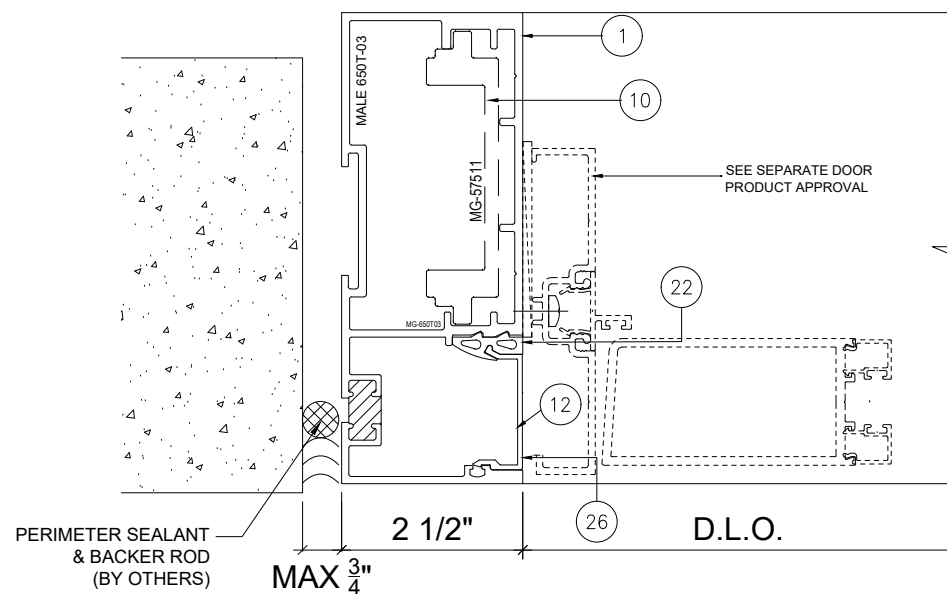
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JAMB DETAIL
'J3' CONDITION



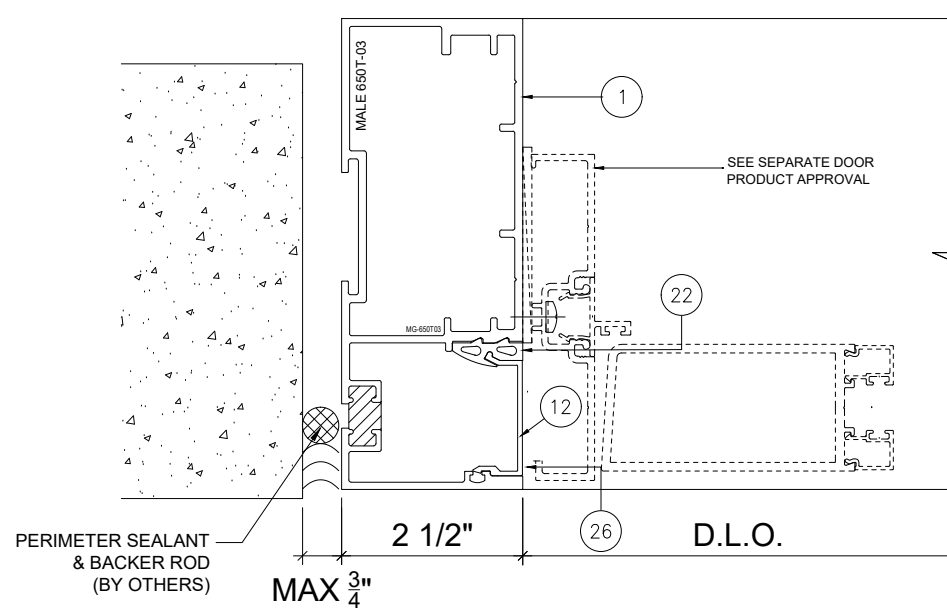
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JAMB DETAIL
'J2' CONDITION



I

JAMB DETAIL
'J1' CONDITION



TYPICAL DOOR-MULLION/JAMB DETAILS

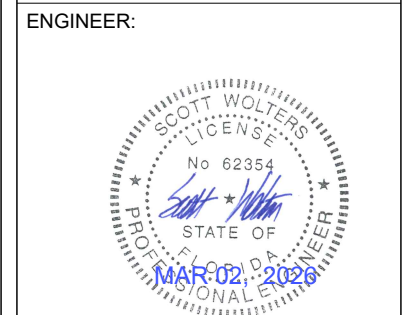


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ENGINEER:
SCOTT WOLTERS
FL PE #62354
WOLTERS ENGINEERING
(COA#27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982



PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	10 OF 15
DWG: 650T	



MILLER GLASS & GLAZING
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FBC (2023): FL#43420.3

REV.	DATE / REMARKS
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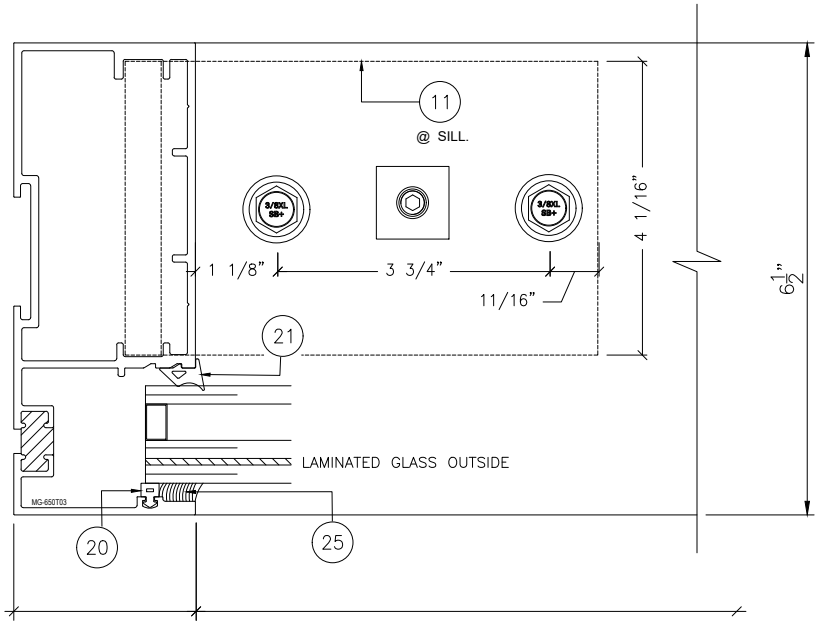
ENGINEER:
SCOTT WOLTERS
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WOLTERS ENGINEERING
(COA#27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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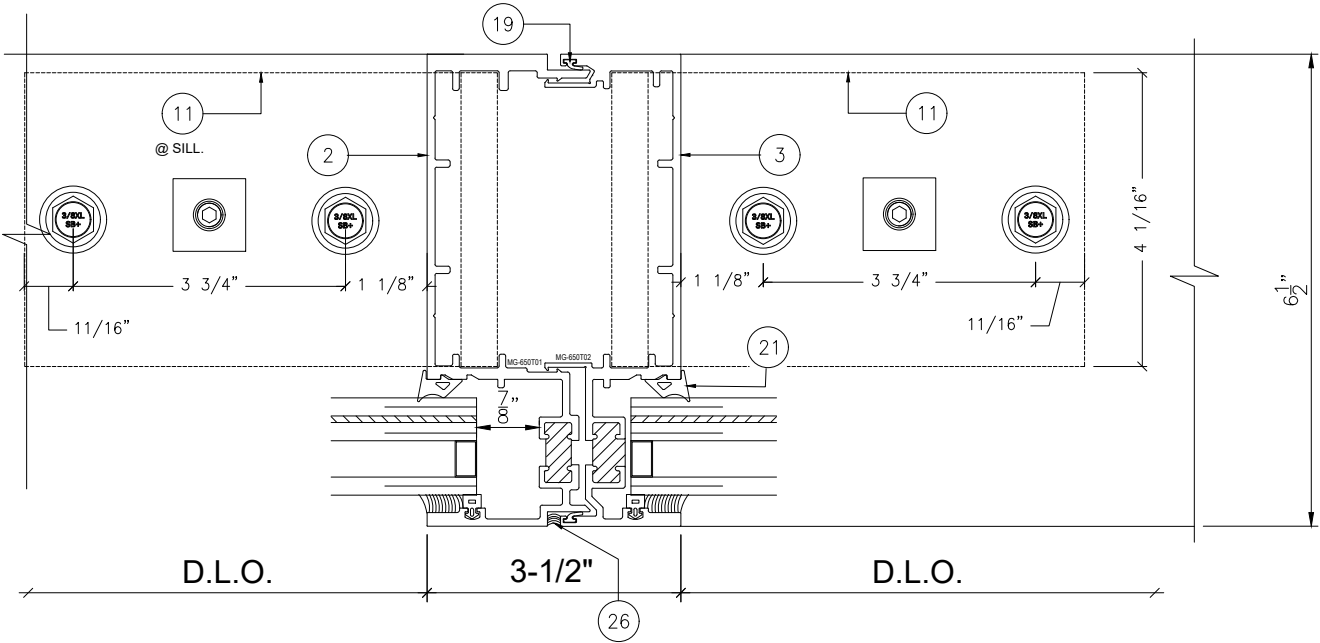


PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	11 OF 15
DWG: 650T	



J TYPICAL SILL-JAMB ANCHOR DETAIL
TYPE 'A1, A2' (SEE SH. 7)



H TYPICAL SILL-MULLION ANCHOR DETAIL
TYPE 'A1,A2' (SEE SH. #7)

TYPICAL SILL-MULLION/JAMB ANCHOR DETAILS



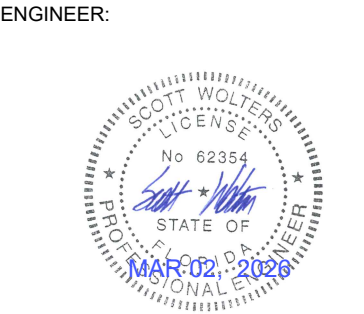
MILLER GLASS & GLAZING
100 PARK CENTRAL BLVD. SOUTH
POMPANO BEACH, FL 33064
TEL: (954)-784-6601
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FBC (2023): FL#43420.3

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	-

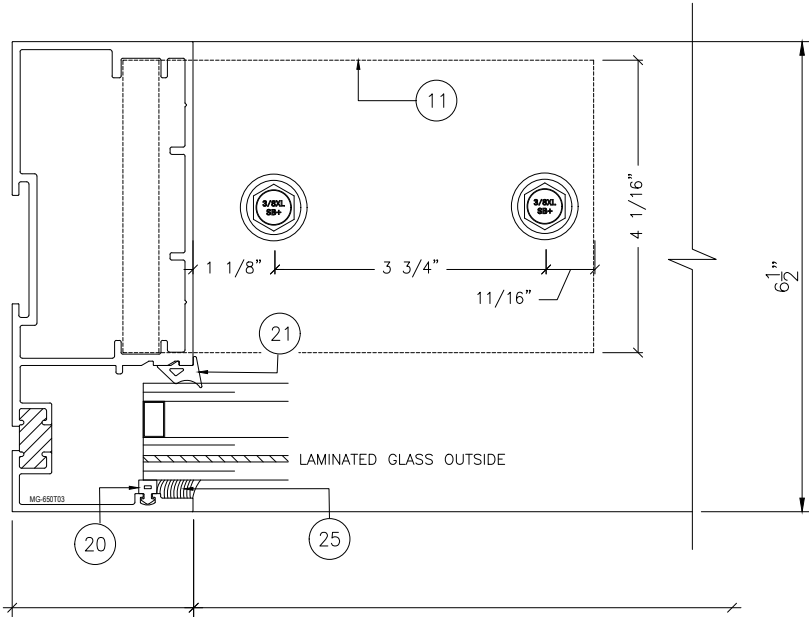
ENGINEER:
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FL PE #62354

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(COA#27194)
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WEST PALM BEACH, FL 33412
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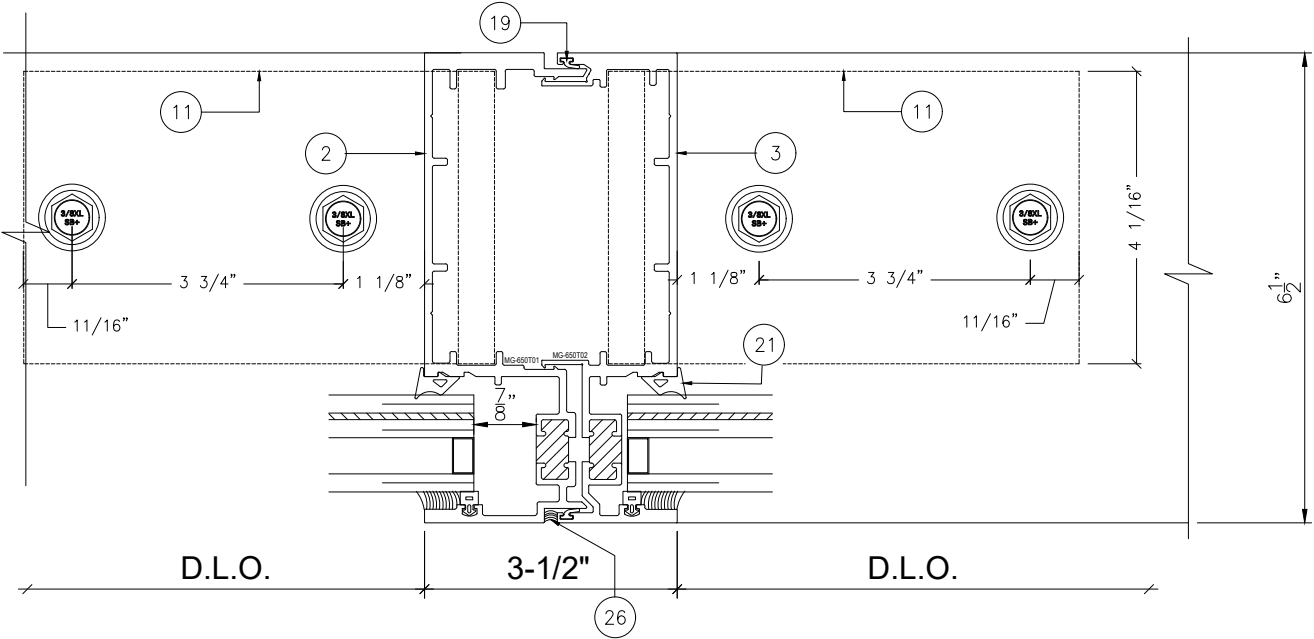
PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
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DWG: 650T	



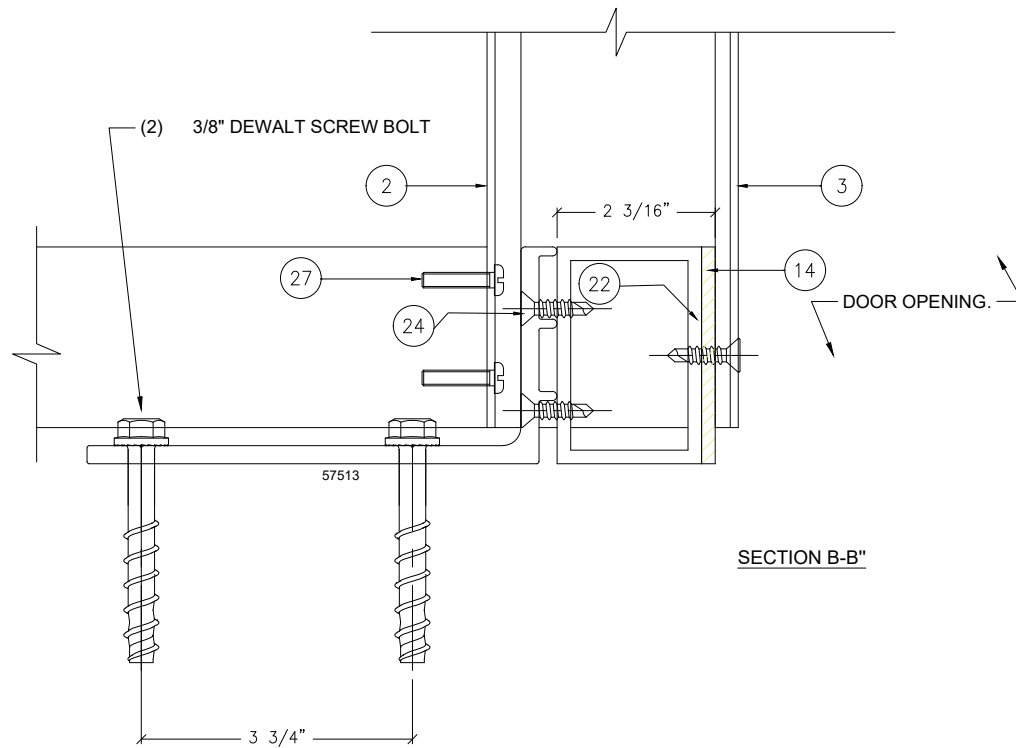
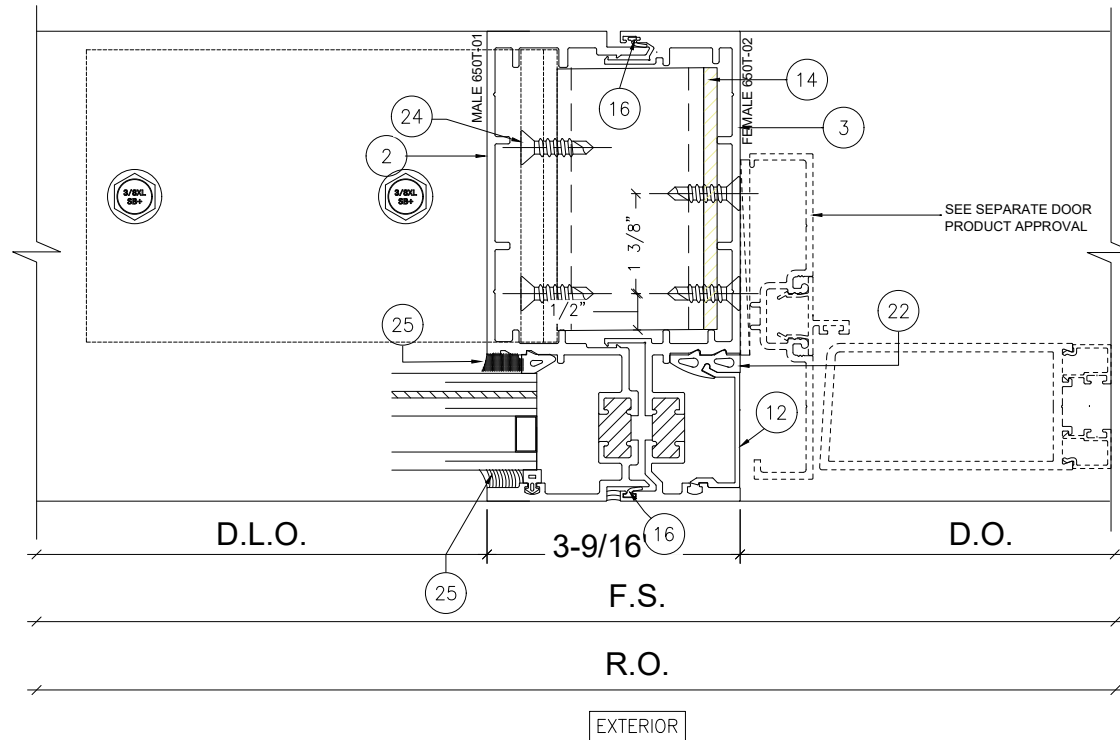
2 1/2" D.L.O.

0 TYPICAL HEAD-JAMB ANCHOR DETAIL
TYPE 'A1, A2' (SEE SH. 7)

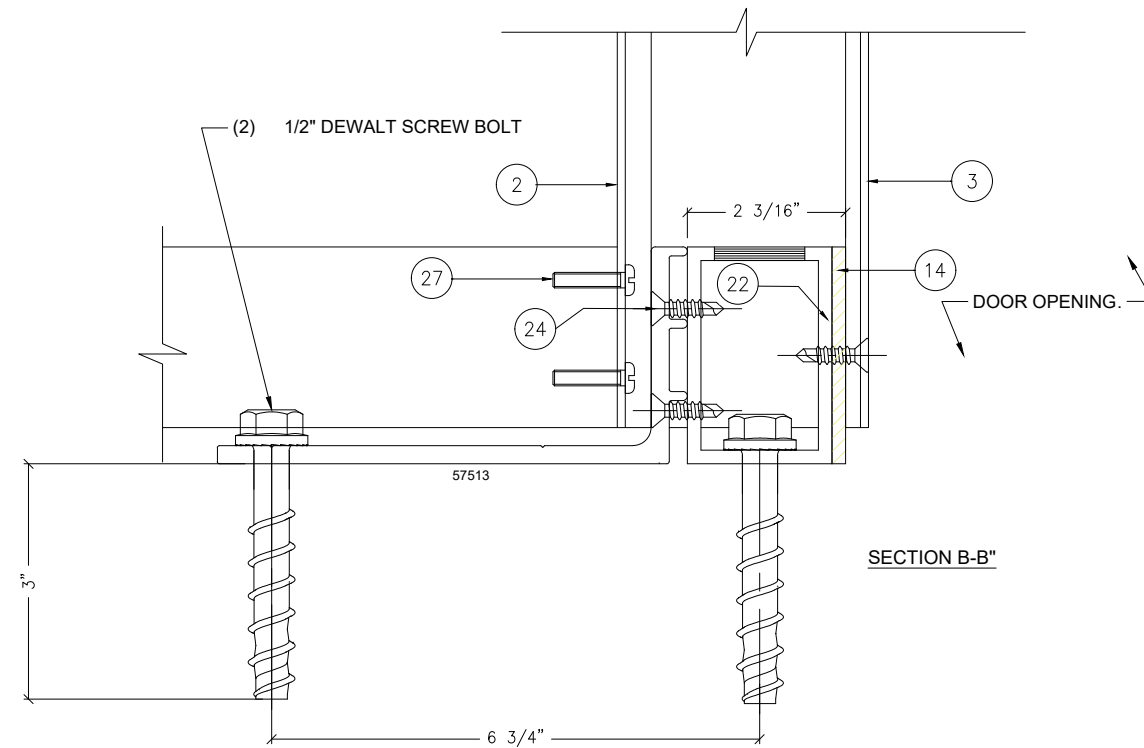
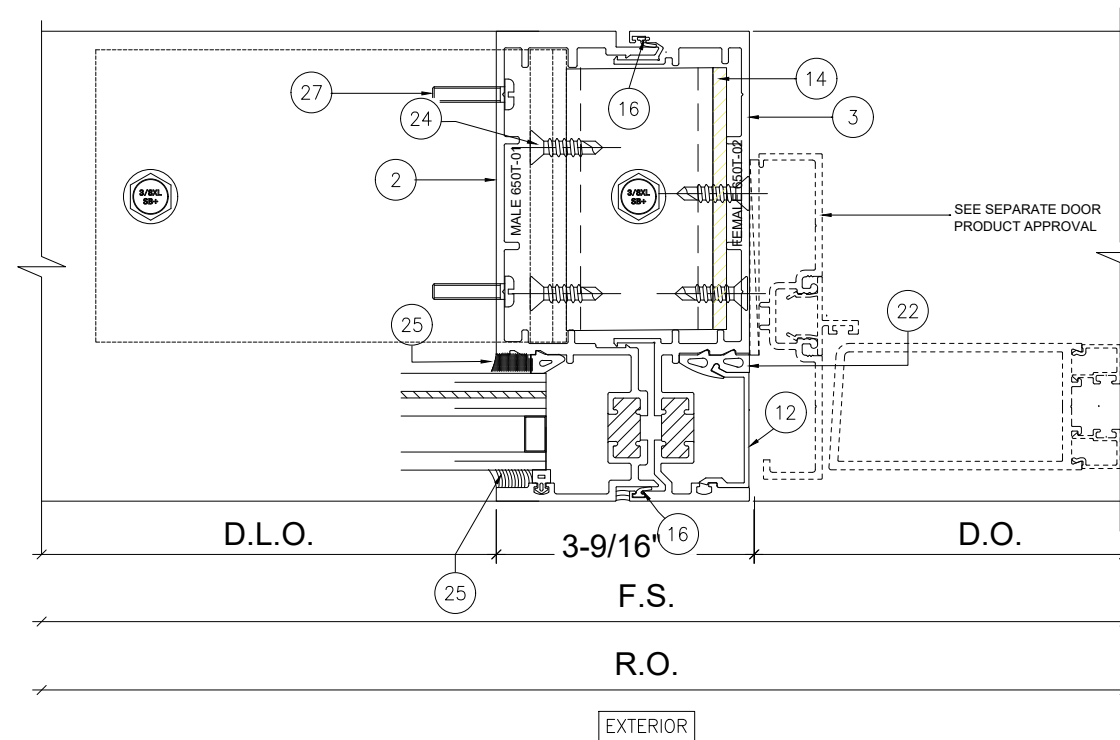


P TYPICAL HEAD-MULLION ANCHOR DETAIL
TYPE 'A1,A2' (SEE SH. #7)

TYPICAL HEAD-MULLION/JAMB ANCHOR DETAILS



K DOOR BOTTOM ANCHOR DETAIL
ANCHOR CASE D1



L DOOR BOTTOM ANCHOR DETAIL
ANCHOR CASE D2 D2

TYPICAL DOOR SILL ANCHOR DETAILS



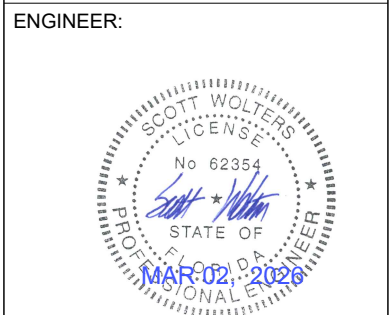
MILLER GLASS & GLAZING
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FBC (2023): FL#43420.3

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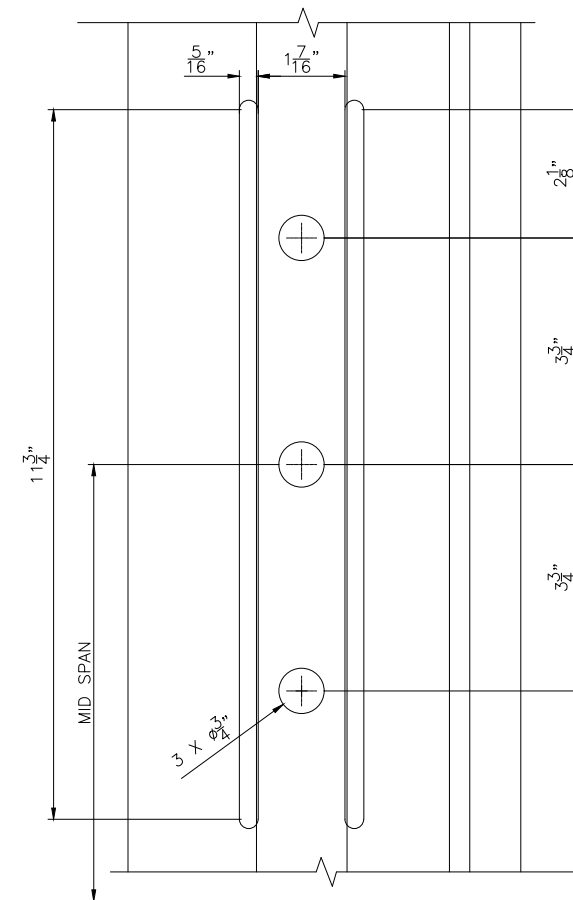
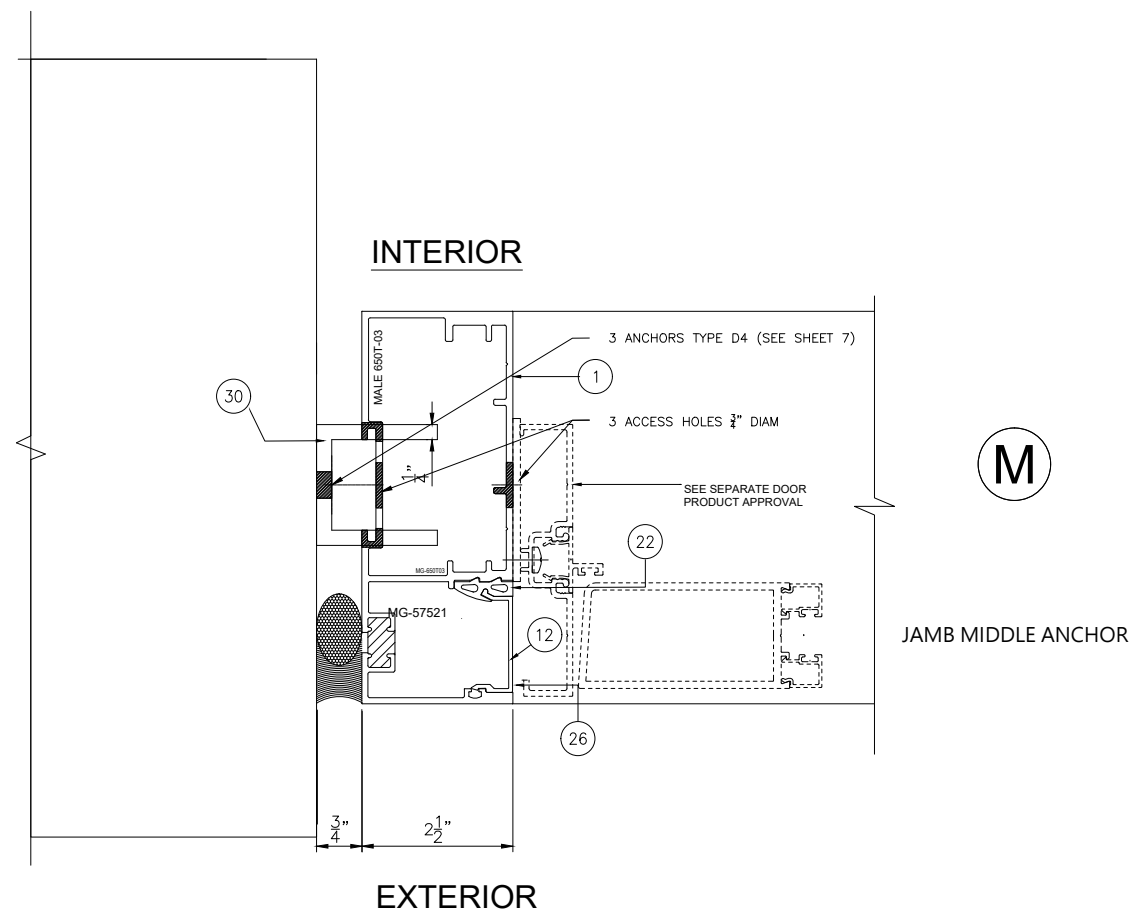
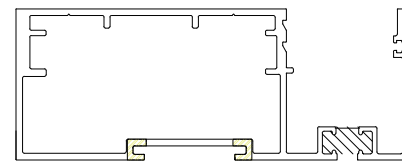
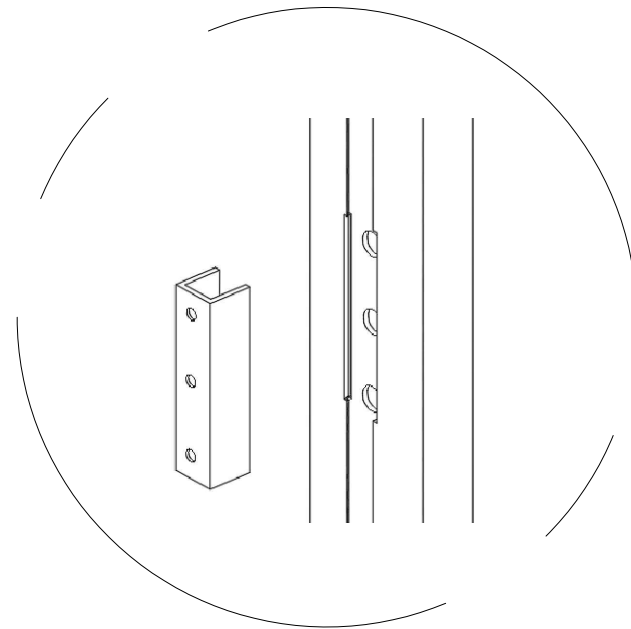
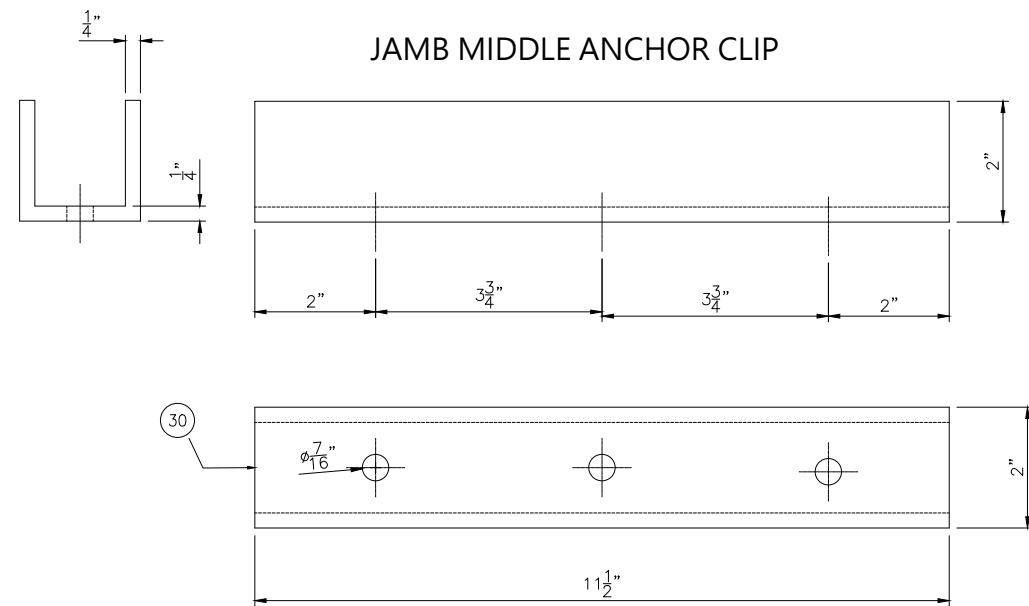
ENGINEER:
SCOTT WOLTERS
FL PE #62354

WOLTERS ENGINEERING
(COA#27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
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PRODUCT CONTROL APPROVAL:

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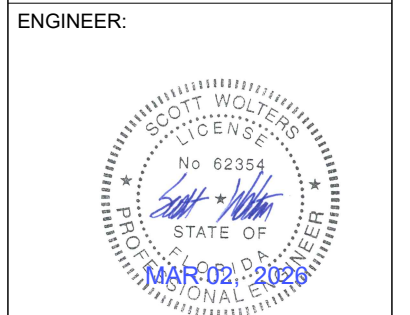
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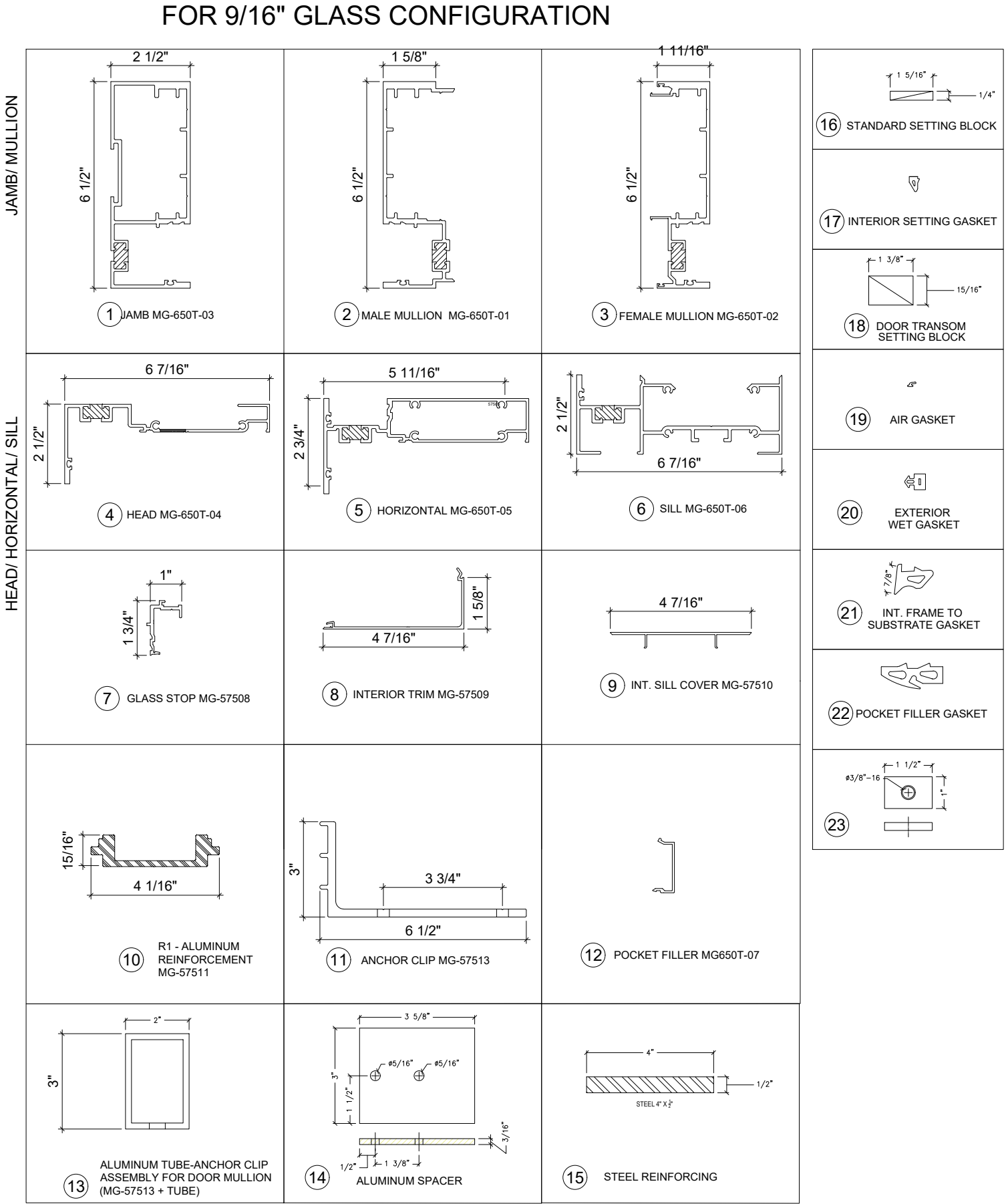


PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	14 OF 15
DWG: 650T	

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MANUF./SUPPLIER	MATERIAL
1	MG-650T-03	JAMB	MILLER G & G	ALUM. 6063-T6
2	MG-650T-01	MALE MULLION	MILLER G & G	ALUM. 6063-T6
3	MG-650T-02	FEMALE MULLION	MILLER G & G	ALUM. 6063-T6
4	MG-650T-04	HEAD	MILLER G & G	ALUM. 6063-T5
5	MG-650T-05	HORIZONTAL	MILLER G & G	ALUM. 6063-T5
6	MG-650T-06	SILL	MILLER G & G	ALUM. 6063-T5
7	MG-57508	GLASS STOP	MILLER G & G	ALUM. 6063-T5
8	MG-57509	INTERIOR TRIM	MILLER G & G	ALUM. 6063-T5
9	MG-57510	INTERIOR SILL COVER	MILLER G & G	ALUM. 6063-T5
10	MG-57511	ALUM. REINFORCEMENT	MILLER G & G	ALUM. 6063-T6
11	MG-57513	ANCHOR CLIP	MILLER G & G	ALUM. 6063-T6
12	MG-650T-07	ALUMINUM POCKET FILLER	MILLER G & G	ALUM. 6063-T6
13		ALUMINUM TUBE, 3-5/8" LONG	3" X 2" X 3/16"	ALUM 6061-T6
14		ALUMINUM SPACER	3" X 3-5/8" X 3/16"	ALUM 6061-T6
15		STEEL REINFORCEMENT	4" X 1/2" (L-12")	STEEL
16		1/4" SETTING BLOCK	TREMCO	SILICONE
17	TX27360S	INTERIOR SETTING GASKET	TREMCO	SILICONE
18		15/16" SETTING BLOCK	TREMCO	SILICONE
19	TX27363S	AIR GASKET	TREMCO	SILICONE
20	TX27371S	EXTERIOR WET GASKET	TREMCO	SILICONE
21	TX27359S	INTERIOR WEDGE GASKET	TREMCO	SILICONE
22		POCKET FILLER GASKET	TRUSTSEAL	SILICONE
23		SILL LEVELER		ALUM- 6063-T6
24		JACK BOLT 3/8-16 X 2"		ST/ST
25	DOW 983	2-PART COMPOUND	DOW CORNING	SILICONE
26	DOW 795	SINGLE COMPOUND	DOW CORNING	SILICONE
27	PH SMS	ASSEMBLY FASTENER	#12 X 1-1/2"	ST/ST
28	FHD SMS	ASSEMBLY FASTENER	1/4" X 1-1/2"	ST/ST
29	PH SMS	ASSEMBLY FASTENER	#10 X 1/2"	ST/ST
30		MID ANCHOR CLIP "C" CHANNEL	2" X 2" X 8"	ALUM- 6063-T6

** MEETS FBC SECTION 2411.3.3.1.



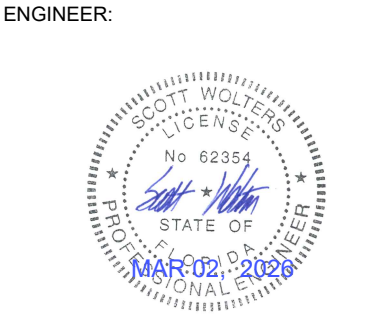
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WEST PALM BEACH, FL 33412
(561) 225-1982



PRODUCT CONTROL APPROVAL:

DRAWN: A.C.	DRAWING No :
DATE: 02-10-26	15 OF 15
DWG: 650T	