

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL (LMI & SMI)

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MATERIALS

- A. ALUMINUM:
1- ALL ALUMINUM EXTRUSION SHALL BE 6063-T5, 6063-T6 AND 6061-T6 (OR EQUIVALENT) AS SHOWN IN BILL OF MATERIAL
2- ALUMINUM PANEL $\frac{1}{8}$ " THK MIN 3003-H14
- B. STEEL:
1- ALL STEEL FOR CURTAIN WALL SHALL BE Q235 Fy=34ksi
2- ALL STEEL WELDS TO BE ELECTRODE E70
- C. SEALANT:
1- APPLY DOW CORNING 791 TO SHOP APPLIED METAL TO METAL JOINERY (FRAME ASSEMBLY). APPLY DOW CORNING 790 TO EXTERIOR PERIMETERS SEALANT AND FASTENER SEALANT.
2- THE GLAZING SEALANT SHALL BE DOW CORNING 983
- D. GLASS:
1- SEE CHART ON SHEET 4A (G1) FOR SIZES AND CAPACITIES.
2- SETTING BLOCK AT $\frac{1}{8}$ POINT
- E. FASTENERS:
1-ALL BOLTS AND NUTS ATTACHED TO ALUMINUM AND ANCHORED TO STEEL SUPPORTING MEMBER SHALL BE:
304 SERIES COLD-ROLLED STAINLESS STEEL
Fy=65ksi FOR FASTENER DIAMETER UP TO $\frac{9}{16}$ "
Fy=45ksi FOR FASTENER DIAMETER EQUAL OR GREATER THAN $\frac{3}{4}$ ".
2-ANCHORS INTO CONCRETE SHALL BE:
 $\frac{5}{16}$ " DIA. DEWALT ULTRACON (Fy=155ksi Fu=177ksi)
3-SCREWS INTO STEEL MEMBER SHALL BE:
ST6.3 STAINLESS STEEL 410 (Fy=92ksi Fu=120ksi)

GENERAL NOTES

CURTAIN WALL SYSTEM IS RATED FOR LARGE MISSILE IMPACT AND SMALL MISSILE IMPACT. SHUTTERS NOT REQUIRED.

CURTAIN WALL WAS APPROVED FLOOD TEST.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/ 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF CURRENT FLORIDA BUILDING CODE AS APPLICABLE.

ULTIMATE LOAD OBTAINED FROM ASCE 7-16/ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOAD.

INSTRUCTIONS:

STEP #1:
DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, AND WIND ZONE USING APPLICABLE ASCE 7 STANDARDS OR WIND TUNNEL REPORTS

STEP #2:
SEE CHART ON SHEET 4A FOR GLASS CAPACITY OF DESIGNED GLASS SIZE.

STEP #3:
SEE CHART ON SHEET 4B FOR STRUCTURAL SILICONE CAPACITY LIMITATION.

STEP #4:
CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHART ON SHEET 5, 5A & 5B FOR MULTIPLE SPAN AND USING CHART ON SHEET 6, 6A, 6B & 6C FOR SINGLE SPAN

STEP #5:
SEE ANCHOR CAPACITY LIMITATIONS ON DETAIL SHEETS.

STEP #6:
THE LOWEST VALUES RESULTING FROM STEP 2 AND 5 SHALL APPLY TO THE ENTIRE SYSTEM

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

- A- LIMITATIONS OF USE
THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



August 17th, 2023

FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
SM01	
SHEET 1	

NR8-001 MALE MULLION			NR8-002 FEMALE MULLION			NR8-004 MALE JAMB			NR8-028 MALE STARTER/STACK JOINT HORIZ.			NR8-080 HORIZ. GLASS CHAIR							
ALUMINUM	MATERIAL	6063-T6	ALUMINUM	MATERIAL	6063-T6	ALUMINUM	MATERIAL	6063-T6	ALUMINUM	MATERIAL	6063-T6	ALUMINUM	MATERIAL	6061-T6					
PROFILE NO.	NR8-001	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-002	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-004	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-028	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-080	TREATMENT	
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-052 INTERM HORIZONTAL			NR8-053 INTERM. HORIZONTAL			NR8-026 FEMALE STACK JOINT			NR8-027 HORIZONTAL SPLICE			NR8-081 SILL GLASS CHAIR							
ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6061-T6	ALUMINUM	MATERIAL	6061-T6					
PROFILE NO.	NR8-052	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-053	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-026	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-027	TREATMENT	ANODIZED	PROFILE NO.	NR8-081	TREATMENT	
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-063 HORIZONTAL GLAZING ADAPTOR			NR8-174 PANEL ADAPTOR			NR8-073 INTERMEDIATE CAP			NR8-093 CORNER MULLION ANCHOR BRACKET			NR8-029 MULLION AND HORIZ. TRIM							
ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6061-T6	ALUMINUM	MATERIAL	6063-T5					
PROFILE NO.	NR8-063	TREATMENT	ANODIZED	PROFILE NO.	NR8-174	TREATMENT	ANODIZED	PROFILE NO.	NR8-073	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-093	TREATMENT	ANODIZED	PROFILE NO.	NR8-029	TREATMENT	
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR		UC109848		PAINTING COLOR				PAINTING COLOR			
NR8-074 STACK JOINT COVER CAP			NR8-209 DRYWALL ADAPTOR (OPTIONAL)			NR8-169 STARTER SILL ADAPTOR			NR8-065 HEAD GLAZING ADAPTOR			NR8-178 HEAD TRIM							
ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5					
PROFILE NO.	NR8-074	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-209	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-169	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-065	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-178	TREATMENT	
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-055: HORIZONTAL			NR8-210: GLASS CHAIR			NR8-211: S. STARTER TRIM			NR8-025: SILL STACK			NR8-178A END MULLION TRIM							
ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6061-T6	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5	ALUMINUM	MATERIAL	6063-T5					
PROFILE NO.	NR8-055	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-210	TREATMENT	ANODIZED	PROFILE NO.	NR8-211	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-025	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-178A	TREATMENT	
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			

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FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16 - 022

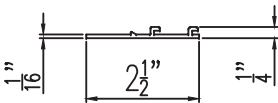
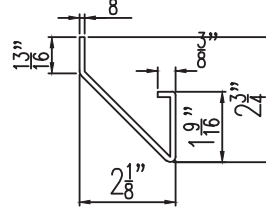
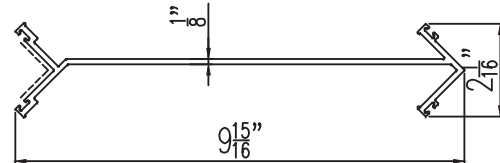
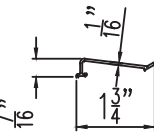
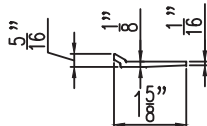
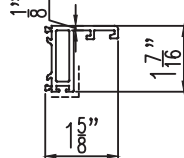
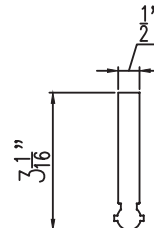
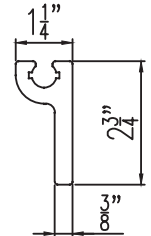
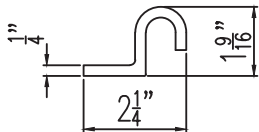
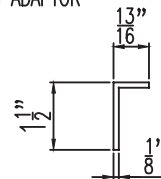
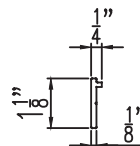
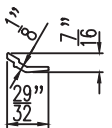
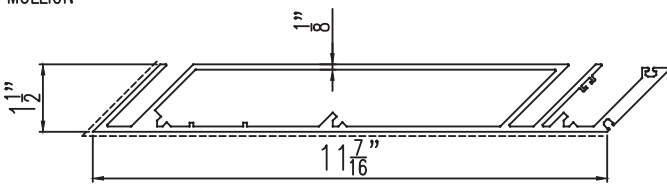
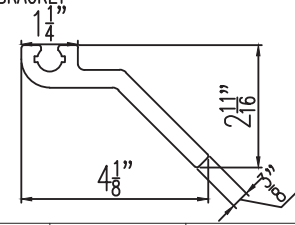
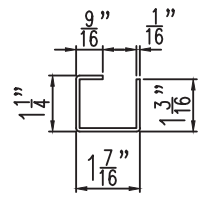
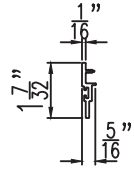
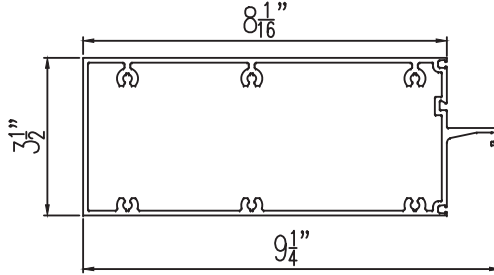
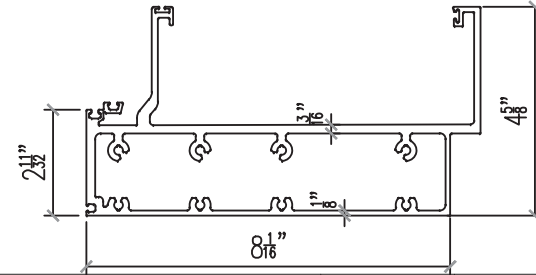
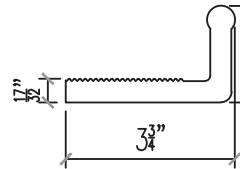
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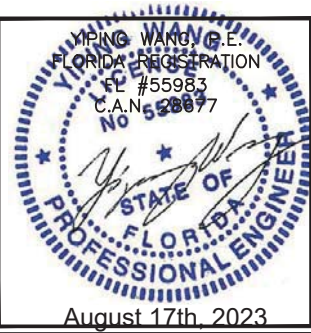
SHEET 2

YONG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 26897

STATE OF FLORIDA
PROFESSIONAL ENGINEER

August 17th, 2023

NR8-146 DRYWALL ADAPTOR (OPYIONAL)			NR8-007 VERTICAL CORNER GLAZING ADAPTOR			NR8-006 CORNER SPLICE			NR8-003 ANTI BUCKLING CLIP						
															
ALUMINUM		MATERIAL	6063-T5	ALU SOLID SHEET		MATERIAL	3003-H14	ALUMINUM		MATERIAL	6063-T6	ALUMINUM		MATERIAL	6063-T5
PROFILE NO.	NR8-146	TREATMENT	ANODIZED	PROFILE NO.	NR8-007	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-006	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-003	TREATMENT	ANODIZED
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-079 GLASS CHAIR			NR8-067 FEMALE STACK JOINT ADAPTOR			NR8-105 HOOK			NR8-090 MULLION BRACKET						
															
ALUMINUM		MATERIAL	6061-T6	ALUMINUM		MATERIAL	6063-T5	ALUMINUM		MATERIAL	6061-T6	ALUMINUM		MATERIAL	6061-T6
PROFILE NO.	NR8-079	TREATMENT	ANODIZED	PROFILE NO.	NR8-067	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-105	TREATMENT	ANODIZED	PROFILE NO.	NR8-090	TREATMENT	ANODIZED
PAINTING COLOR		4"LG		PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-107 ANTI-WALKING CLIP			NR8-108 END JAMB ADAPTOR			NR8-113 DRYWALL ADAPTOR (OPTIONAL)			NR8-212 GLASS CHAIR						
															
ALUMINUM		MATERIAL	6061-T6	ALUMINUM		MATERIAL	6063-T5	ALUMINUM		MATERIAL	6063-T6	ALUMINUM		MATERIAL	6061-T6
PROFILE NO.	NR8-107	TREATMENT	ANODIZED	PROFILE NO.	NR8-108	TREATMENT	ANODIZED	PROFILE NO.	NR8-113	TREATMENT	ANODIZED	PROFILE NO.	NR8-212	TREATMENT	ANODIZED
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-005 CORNER MALE MULLION			NR8-091 CORNER BRACKET			NR8-213 JAMB TRIM									
															
ALUMINUM		MATERIAL	6063-T6	ALUMINUM		MATERIAL	6061-T6	ALU SOLID SHEET		MATERIAL	3003-H14	ALU SOLID SHEET		MATERIAL	3003-H14
PROFILE NO.	NR8-005	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-091	TREATMENT	ANODIZED	PROFILE NO.	NR8-213	TREATMENT	PVDF PAINTING (3 LAYERS)	PROFILE NO.	NR8-213	TREATMENT	PVDF PAINTING (3 LAYERS)
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			
NR8-214 MULLION & HORIZONTAL TRIM			NR8-056 HORIZONTAL TRIM			NR8-031 HORIZONTAL TRIM			NR5-039 HORIZONTAL TRIM						
															
ALUMINUM TRIM		MATERIAL	6063-T5	ALUMINUM TRIM		MATERIAL	6063-T6	ALUMINUM TRIM		MATERIAL	6063-T6	ALUMINUM TRIM		MATERIAL	6061-T6
PROFILE NO.	NR8-214	TREATMENT	ANODIZED	PROFILE NO.	NR8-056	TREATMENT	ANODIZED	PROFILE NO.	NR8-031	TREATMENT	ANODIZED	PROFILE NO.	NR5-039	TREATMENT	ANODIZED
PAINTING COLOR				PAINTING COLOR				PAINTING COLOR				PAINTING COLOR			



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R3	08.10.23
	FBC 2023

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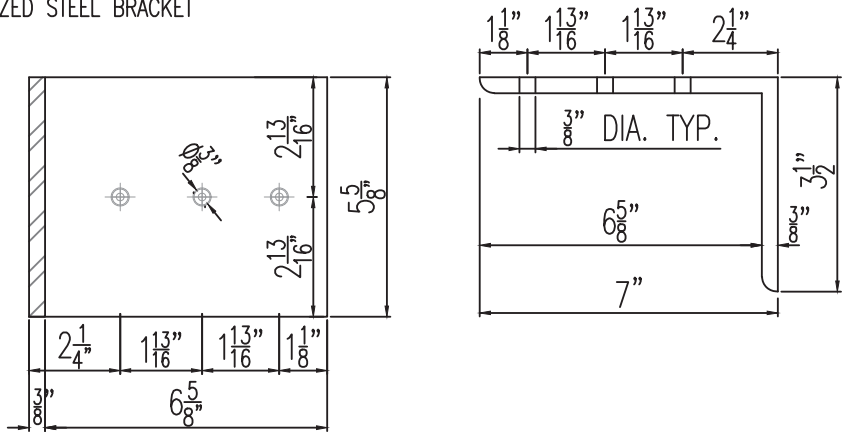
FLORIDA APPROVAL:	
FL #20149.2	

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

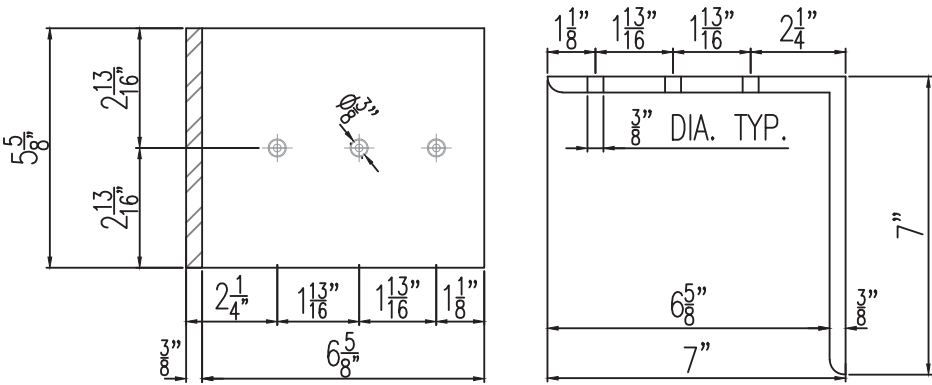
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AD16-09
C02

SHEET 3

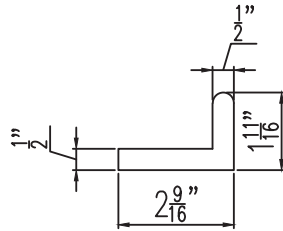
NR8-001 3/8" THK. HOT-DIP GALVANIZED STEEL BRACKET



NR8-002 3/8" THK. HOT-DIP GALVANIZED STEEL BRACKET

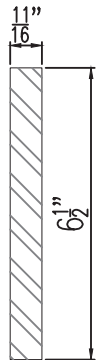


SB-01 STEEL BRACKET



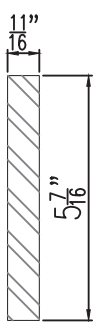
STEEL	MATERIAL	Q235
PROFILE NO.	NR8-001	TREATMENT
PAINTING COLOR		

ST-1 6-1/2" X 11/16" STEEL INSERT



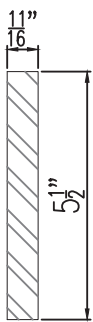
STEEL	MATERIAL	Q235
PROFILE NO.	ST-1	TREATMENT
PAINTING COLOR		

ST-2 5-7/16" X 11/16" STEEL INSERT



STEEL	MATERIAL	Q235
PROFILE NO.	ST-2	TREATMENT
PAINTING COLOR		

ST-3 5-1/2" X 11/16" STEEL INSERT



STEEL	MATERIAL	Q235
PROFILE NO.	ST-3	TREATMENT
PAINTING COLOR		

ST-1A 6-1/2" X 15/16" STEEL INSERT



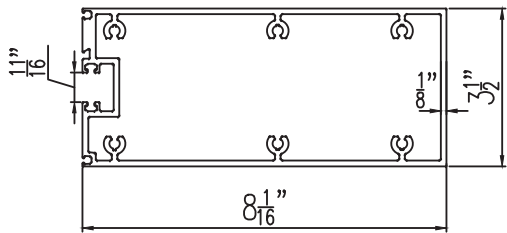
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PROFILE NO.	ST-1A	TREATMENT
PAINTING COLOR		

ST-2A 5-7/16" X 15/16" STEEL INSERT



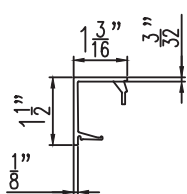
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PROFILE NO.	ST-2A	TREATMENT
PAINTING COLOR		

HORIZONTAL INTERMEDIATE



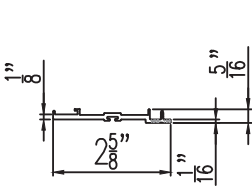
ALUMINUM	MATERIAL	6063-T6
PROFILE NO.	NR8-186	TREATMENT
PAINTING COLOR		

TYPICAL COVER



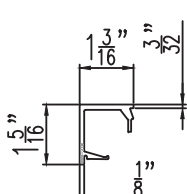
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PROFILE NO.	NR8-217	TREATMENT
PAINTING COLOR		

SILL STARTER



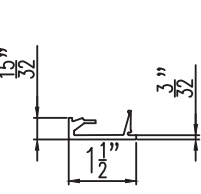
ALUMINUM	MATERIAL	6063-T6
PROFILE NO.	NR8-190	TREATMENT
PAINTING COLOR		

SILL STARTER CAP



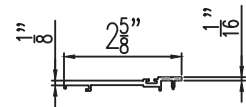
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PROFILE NO.	NR8-218	TREATMENT
PAINTING COLOR		

TYPICAL COVER



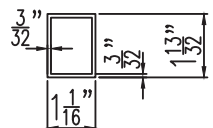
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PROFILE NO.	NR8-199	TREATMENT
PAINTING COLOR		

SILL TRIM AT STARTER



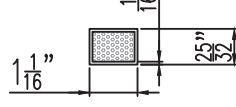
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PROFILE NO.	NR8-193	TREATMENT
PAINTING COLOR		

ALUM. TUBE



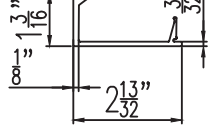
ALUMINUM	MATERIAL	6063-T6
PROFILE NO.	NR8-235	TREATMENT
PAINTING COLOR		

ALUM. TUBE



ALUMINUM	MATERIAL	6063-T5
PROFILE NO.	NR8-220	TREATMENT
PAINTING COLOR		

HORIZONTAL SILL CAP



ALUMINUM	MATERIAL	6063-T5
PROFILE NO.	NR8-219	TREATMENT
PAINTING COLOR		

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL

NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

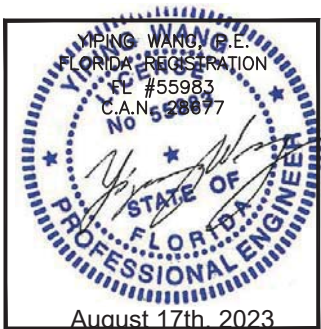
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
C02A

SHEET 3A



NAME		MATERIAL AND SPEC	SYMBOL	NAME		MATERIAL AND SPEC	SYMBOL	NAME		MATERIAL AND SPEC	SYMBOL			
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-01	NYLON BLOCKS		NYLON 1010	NL-06	STAINLESS STEEL BOLT		GB5781-2000-M12X50 (S.S 304)	LS-08			
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-02	NYLON BLOCKS		NYLON 1010	NL-07	STAINLESS STEEL FLAT WASHER		GB95-85 12 (S.S. 304)				
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-02A	NYLON BLOCKS		NYLON 1010	NL-08	STAINLESS STEEL SPRING WASHER		GB93-87 12 (S.S. 304)				
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-03	THERMAL ISOLATOR		PA66 GRF25	DRT-01	STAINLESS STEEL NUT		GB41-86 M12 (S.S. 304)				
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-04	ASSEMBLY HOLE COVER		PVC	NL-09	LS-09	STAINLESS STEEL BOLT		M12X75 (S.S. 304)			
GASKET (BLACK)		EPDM (IRHD: 60±5)	JT-05	ASSEMBLY HOLE COVER		PVC	NL-10							
TRIM GASKET		SILICONE (IRHD: 60±5)	JT-06	NYLON BLOCKS		NYLON 1010	NL-11							
WEATHER FIN GASKET		SILICONE (IRHD: 60±5)	JT-07	NYLON BLOCKS		NYLON 1010	NL-12							
SILL AND STACK JOINT GASKET		EPDM (IRHD: 60±5)	JT-08	NYLON BLOCKS		NYLON 1010	NL-13	LS-10	STAINLESS STEEL BOLT		GB5781-2000-M12X90 (S.S 304)			
THERMAL BREAK		PA66 GF25	DRT-01	PVC BLOCKS		PVC	NL-14							
AIR-LOCKED SPONGE BAR		20X26.5 NBR/PVC	HM-01	STAINLESS STEEL BOLT		GB819-85-M8X20(S.S. 304)	ZGD-01							
AIR-LOCKED SPONGE BAR		21.5X27 NBR/PVC	HM-02	STAINLESS STEEL SELF-TAPPING SCREW		GB845-85-ST4.8X16(S.S.316)	ZGD-02							
AIR-LOCKED SPONGE BAR		10.5X18.5 NBR/PVC	HM-03	STAINLESS STEEL COUNTERSUNK SELF-TAPPING SCREW		GB846-85-ST6.3X25(S.S.304)	ZGD-03	LS-11	STAINLESS STEEL FLAT WASHER		GB95-85 12 (S.S. 304)			
AIR-LOCKED SPONGE BAR		10.5X29	HM-04	STAINLESS STEEL COUNTERSUNK SELF-TAPPING SCREW		GB846-85-ST4.8X16(S.S.304)	ZGD-04							
SILICONE SHEET		SILICONE (IRHD: 70±5)	GJT-01	STAINLESS STEEL SELF-TAPPING SCREW		GB845-85-ST4.8X19(S.S.304)	ZGD-05							
SILICONE SHEET		SILICONE (IRHD: 70±5)	GJT-02	SELF-DRILLING SCREW		GB845-85-ST4.8X13(S.S.304)	ZGD-06					JS-01	STAINLESS STEEL SPRING WASHER	
SILICONE SHEET		SILICONE (IRHD: 70±5)	GJT-03	STAINLESS STEEL BOLT		ST6.3X19-Hp (S.S. 304)	ZGD-07							
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-01	STAINLESS STEEL BOLT		GB819-85-M10X25 (S.S.304)	ZGD-08							
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-02	STAINLESS STEEL BOLT		GB819-85-M10X20 (S.S.304)	ZGD-09							
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-03	OUTER- HEXAGONAL SELF TAPPING DRILLING SCREW		ST6.3X50 (S.S. 410)	ZGD-10	CD-01	STAINLESS STEEL NUT		GB41-86 M12 (S.S. 304)			
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-04	STAINLESS STEEL BOLT		GB819-85-M6X16 (S.S. 304)	ZGD-11							
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-05	OUTER- HEXAGONAL SELF TAPPING DRILLING SCREW		ST6.3X100 (S.S. 410)	ZGD-12							
SINGLE SIDED ADHESIVE TAPE		POLYURETHANE	DM-06	ELCO-DRILL FLEX		5/16" X 3" (S.S. 316)	ZGD-13							
NYLON BLOCKS		NYLON 1010	NL-01	SEALANT-BACK ROD		POLYETHENE Ø5/16" FROTH MATERIALS	PM-01	LS-01	4X10 STAINLESS STEEL POP RIVET		S/S 316			
NYLON BLOCKS		NYLON 1010	NL-02	SEALANT-BACK ROD		POLYETHENE Ø1" FROTH MATERIALS	PM-02							
NYLON BLOCKS		NYLON 1010	NL-03	STAINLESS STEEL SCREW		GB70-85-M6X40 (S.S. 304)	LS-02							
NYLON BLOCKS		NYLON 1010	NL-04	STAINLESS STEEL SPRING WASHER		GB93-87 6 (S.S. 304)								
NYLON BLOCKS		NYLON 1010	NL-05	STAINLESS STEEL BOLT		GB5781-2000-M12X40 (S.S. 304)					LS-03	STAINLESS STEEL GLASS CHAIR COUNTERSUNK SCREW		GB46-85-ST4.2X13 (S.S 304)
				STAINLESS STEEL FLAT WASHER		GB95-85 12 (S.S. 304)								
				STAINLESS STEEL SPRING WASHER		GB93-87 12 (S.S. 304)								
				STAINLESS STEEL NUT		GB41-86 M12 (S.S. 304)								
				STAINLESS STEEL BOLT		GB77-85-M16X20 (S.S. 304)	LS-04	Ø3/8 LAG BOLT 3-1/2"		S/S 316	S8-SF012			
				STAINLESS STEEL BOLT		GB5781-2000-M20X70 (S.S. 304)								
				STAINLESS STEEL FLAT WASHER		GB95-85 20 (S.S. 304)								
				STAINLESS STEEL SPRING WASHER		GB93-87 20 (S.S. 304)								
				STAINLESS STEEL NUT		GB41-86 M20 (S.S. 304)		Ø3/8 LAG BOLT 4-1/2"		S/S 316	S8-SF013			
								PFH #10-24 X 5/8"		S/S 316	S8-FF005			
								SOCKET CAP SCREW 1/4" X 1-9/16"		S/S 316	S8-FF0023			
								SCREW COVER		PVC	S8-FC002			
								SILL AIRLOCK SPONGE 1"x1"		NBR/PVC	S8-FB005			
								3/4" X 13/32" VERTICAL AIR LOCK SPONGE		NBR/PVC	S8-FB001			
								SILL AIRLOCK SPONGE 7/8" X 1"		NBR/PVC	S8-FB004			
								DOUBLE FACE TAPE 1/2" X 1/4"		POLYURETHANE	S8-FA007			
								DOUBLE FACE TAPE 5/16" X 1/4"		NBR/PVC	S8-FA014			
											S8-FB015			

REVISIONS

NO	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIAMI, FL 33183

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F: 305.588.5224

www.MCYEngineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:

FL #20149.2

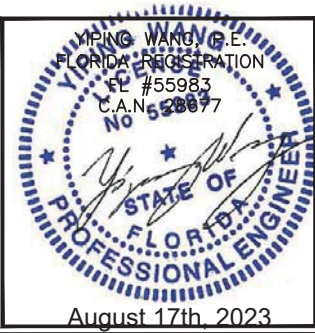
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
C03

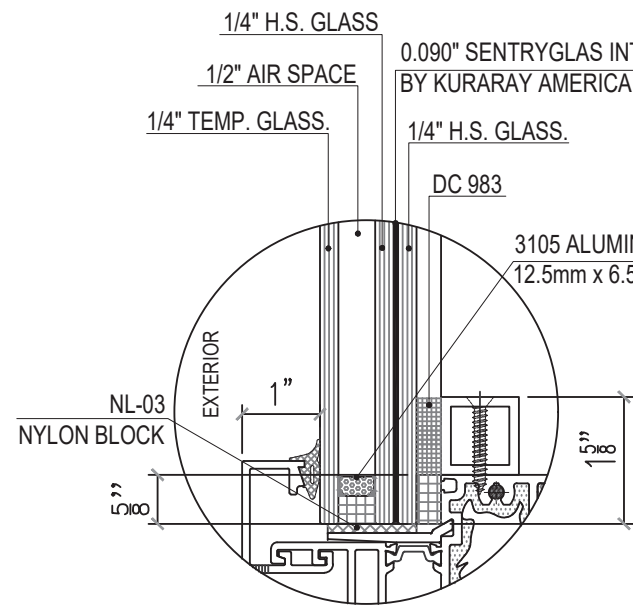
SHEET 4

YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 28877

August 17th, 2023

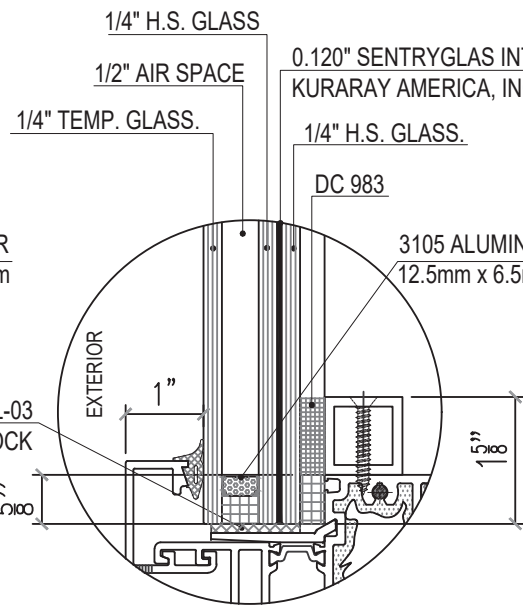


REVISIONS	
NO.	DATE DESCRIPTION
R3	08.10.23 FBC 2023
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIAMI, FL 33183 F: 305.588.5224 www.MCYEngineering.com MCY@mcycyengineering.com	
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)	
N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 C03	
SHEET 4	



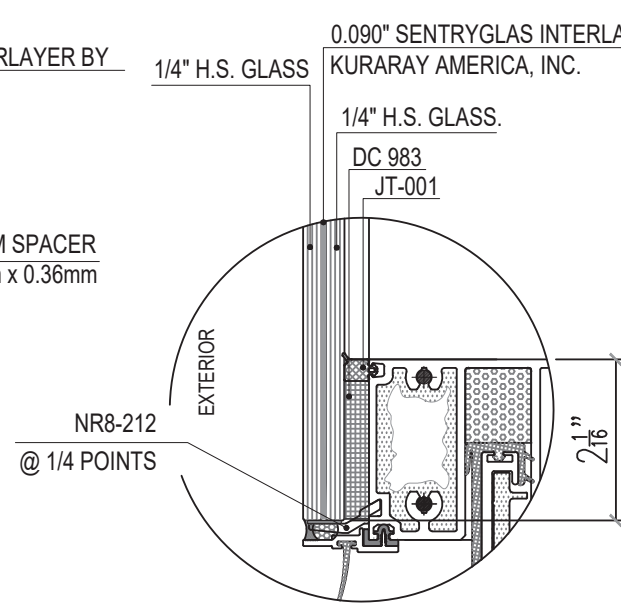
GLASS TYPE **A**

1 1/4" NOMINAL INSULATED LAMINATED GLASS



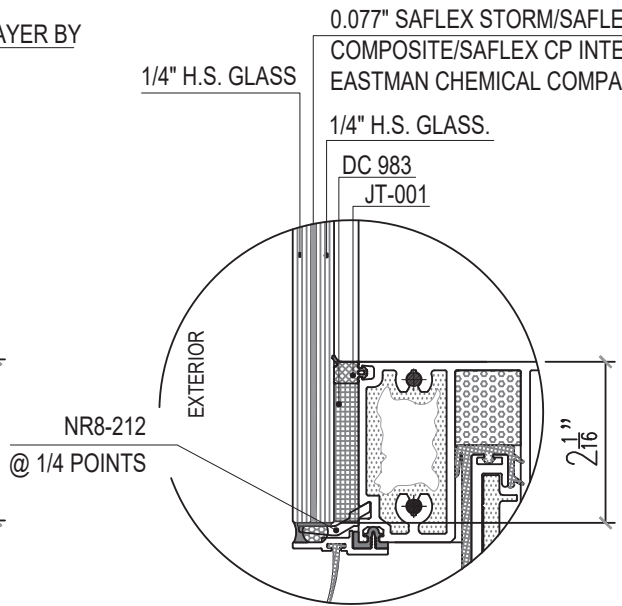
GLASS TYPE **B**

1 1/4" NOMINAL INSULATED LAMINATED GLASS



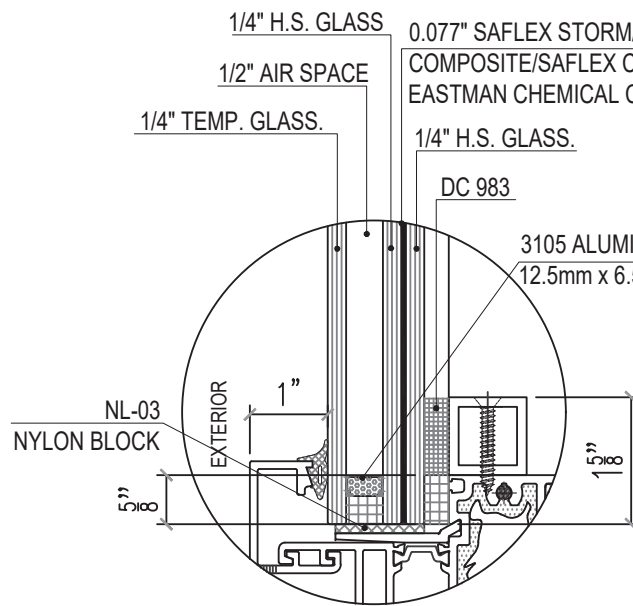
GLASS TYPE **D**

9/16" NOMINAL LAMINATED GLASS



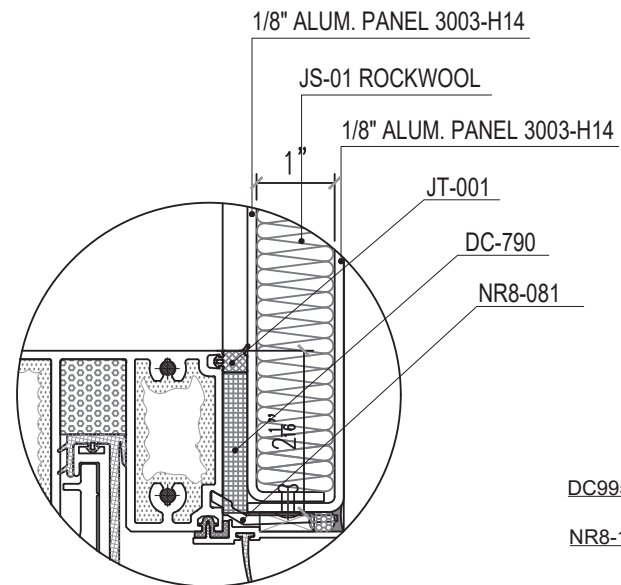
GLASS TYPE **E**

9/16" NOMINAL LAMINATED GLASS



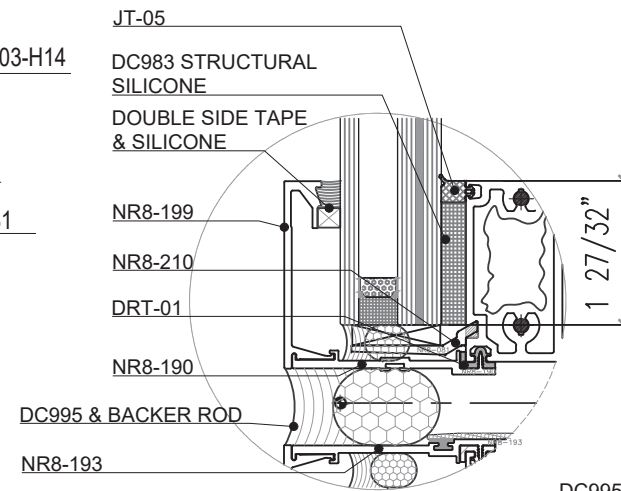
GLASS TYPE **C**

1 1/4" NOMINAL INSULATED LAMINATED GLASS



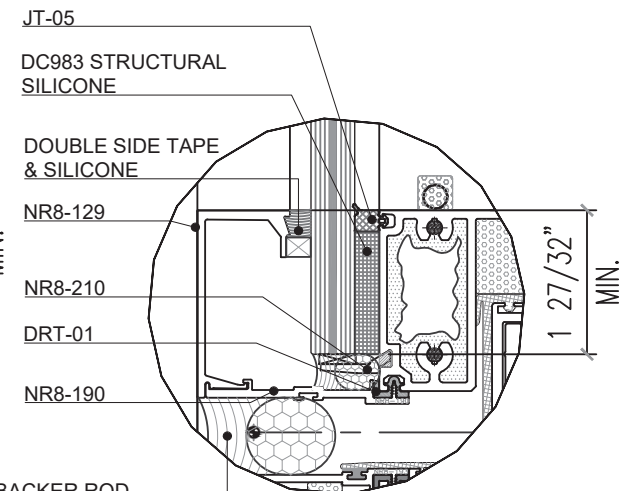
ALUMINUM TYPE **AL1**

1 1/4" NOMINAL OVERALL
MAX. DLO SIZE = 5' 3-1/2" W X 10' 3-11/16" H
Pd = ± 75 PSF



GLASS TYPE **A** (FOR FLOOD)

1 1/4" NOMINAL INSULATED LAMINATED GLASS (FLOOD RESISTANCE)



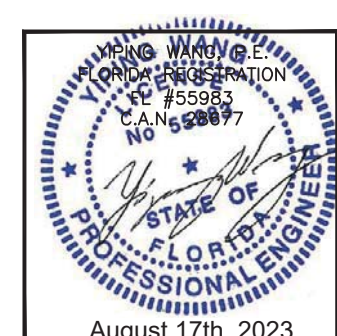
GLASS TYPE **D** (FOR FLOOD)

9/16" NOMINAL LAMINATED GLASS (FLOOD RESISTANCE)

1 1/4" THK. INSULATED LAMINATED GLASS					
GLASS TYPE	D.L.O.W.	D.L.O.H.	GLASS AREA FT ²	DESIGN LOAD	
	IN	IN		(+) PSF	(-) PSF
A	47.00	68.50	22.36	100	164
	56.50	134.9	52.9	120	140
	56.50	178.00	69.84	100	100
B	40.00	69.50	19.31	92	143
C	57.70	92.50	37.06	100	130

9/16" THK. LAMINATED GLASS					
GLASS TYPE	D.L.O.W.	D.L.O.H.	GLASS AREA FT ²	DESIGN LOAD	
	IN	IN		(+) PSF	(-) PSF
D	47.00	68.50	22.36	100	164
	56.50	178.00	69.84	100	100
E	57.70	92.50	37.06	100	130

NOTE: GLASS COMPLIES WITH ASTM E1300-09 (3 SEC GUSTS).



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SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

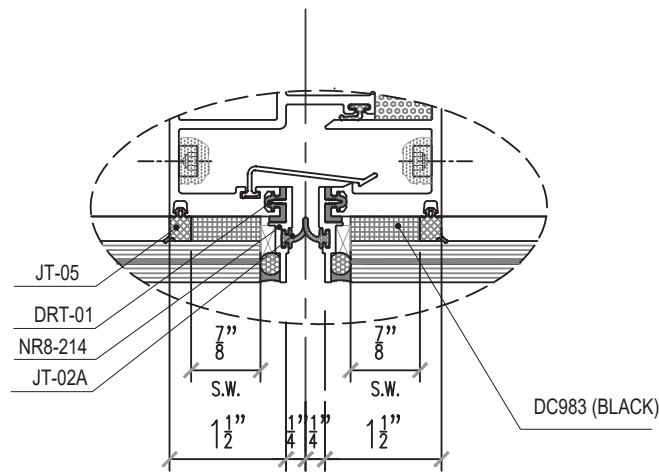
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:
FL #20149.2

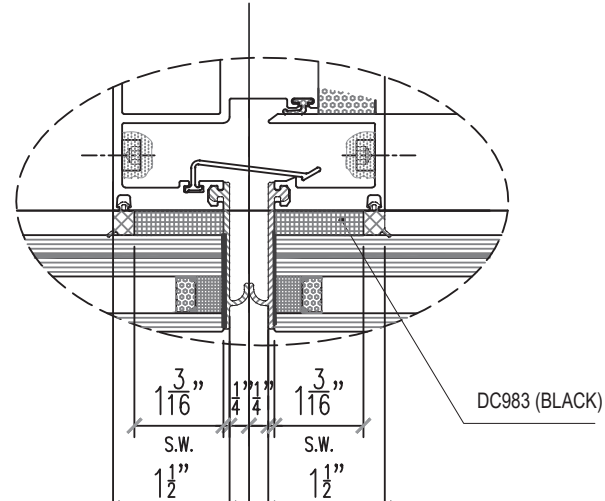
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
G1

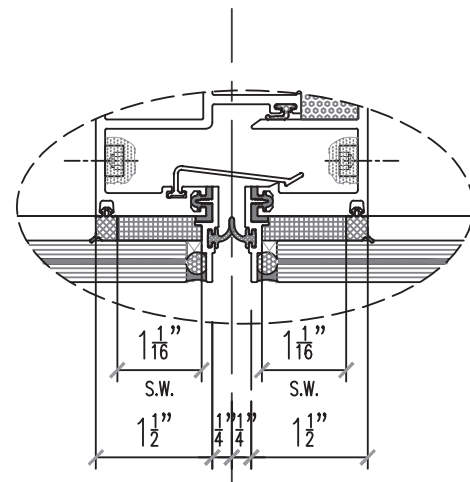
SHEET 4A



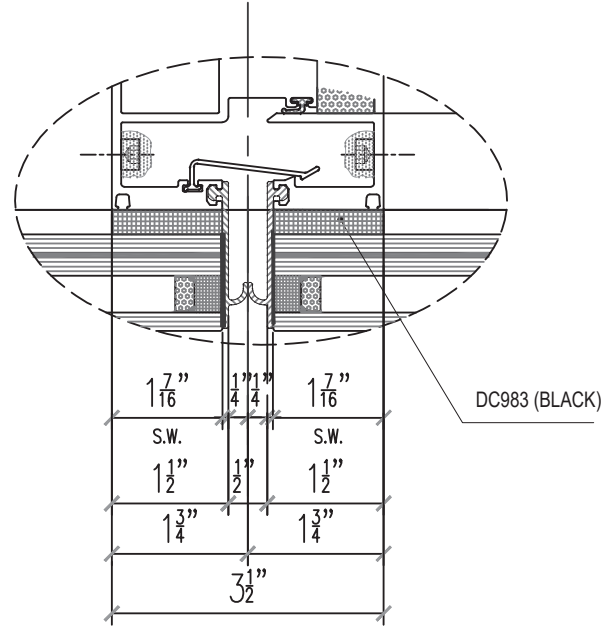
7/8" SILICONE WIDTH



1 3/16" SILICONE WIDTH



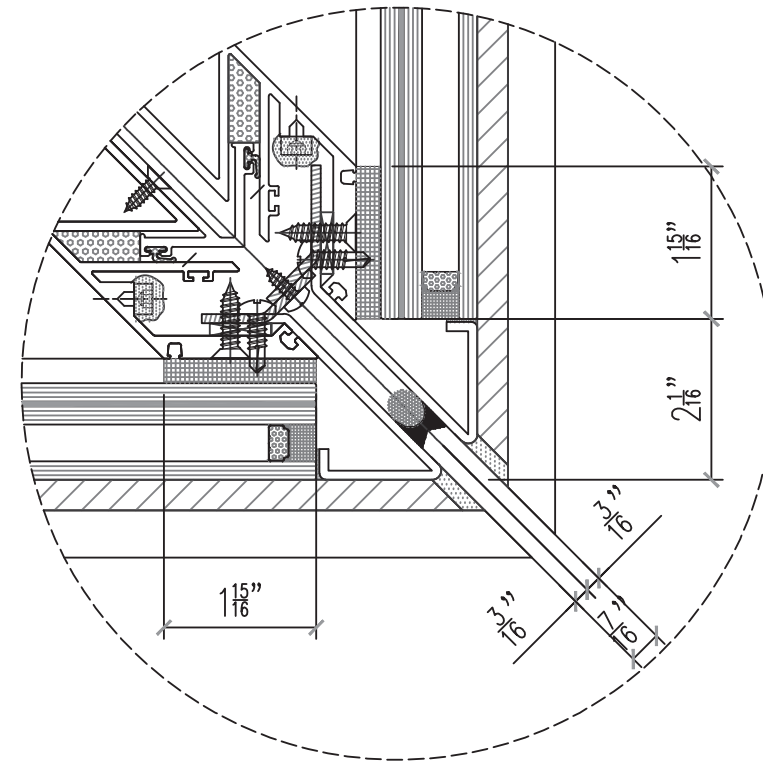
1 1/16" SILICONE WIDTH



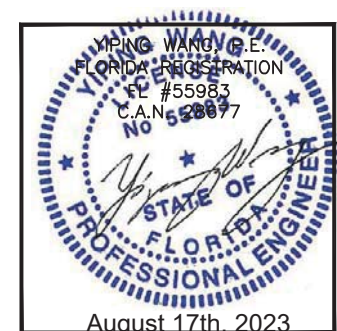
1 7/16" SILICONE WIDTH

NOTE:
DIFFERENT GLASS TYPES ARE SHOWN,
GLASS OPTION IS INTERCHANGEABLE.

SILICONE CAPACITY (PSF)					
SILICONE WIDTH FRAME WIDTH (F.W.)	7/8"	1 1/16"	1 3/16"	1 7/16"	1 15/16" CORNER MULLION
30"	168.0	168.0	168.0	168.0	168.0
36"	140.0	168.0	168.0	168.0	168.0
42"	120.0	145.7	164.5	168.0	168.0
48"	105.0	127.5	144.0	168.0	168.0
54"	93.3	113.3	128.0	153.3	168.0
60"	84.0	102.0	115.2	138.0	168.0
66"	76.4	92.7	104.7	125.5	168.0
72"	70.0	85.0	96.0	115.0	168.0



1 15/16" SILICONE WIDTH



August 17th, 2023

NO.	DATE	DESCRIPTION
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

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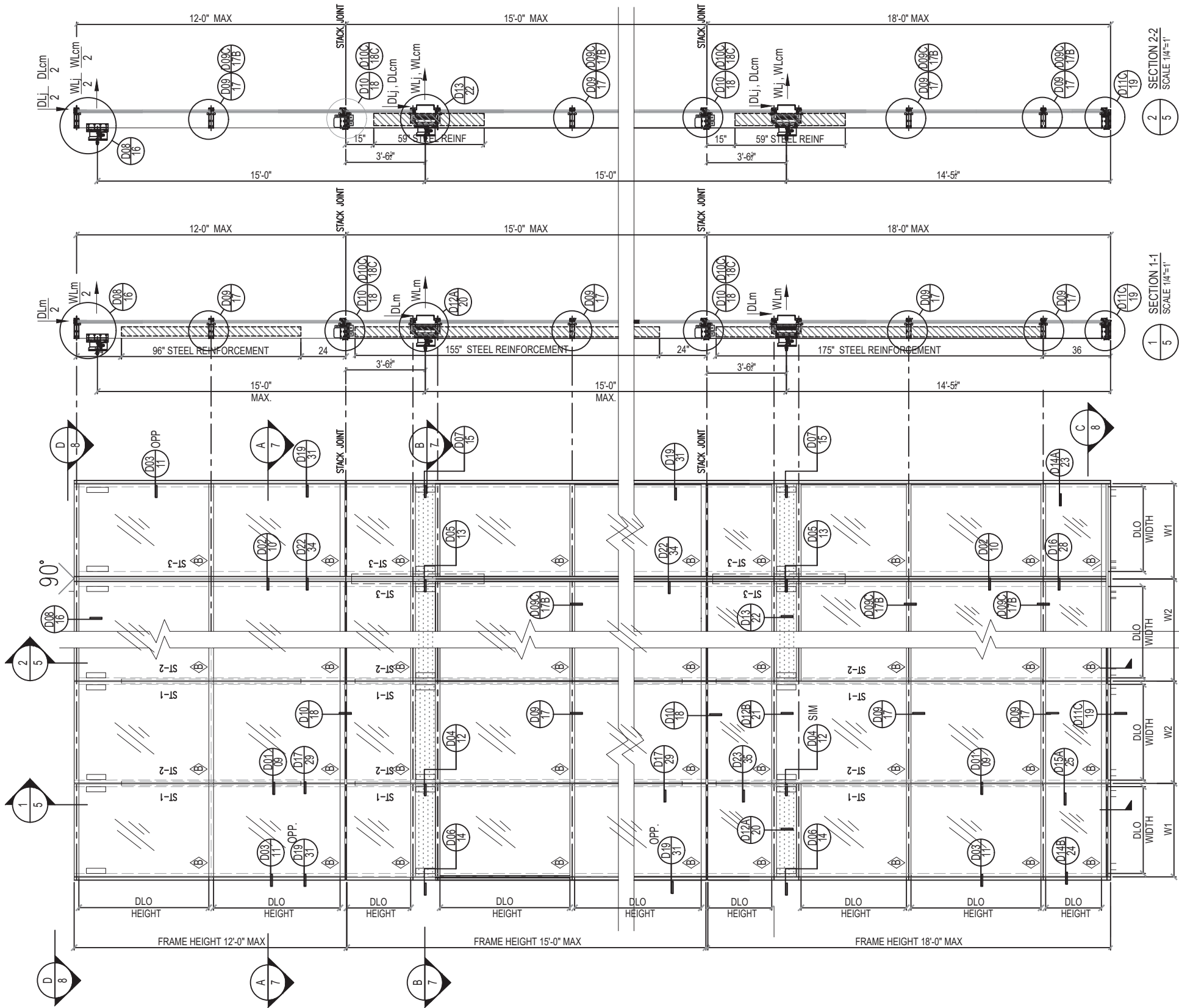
N.R. ARCHITECTURAL PRODUCTS, INC.
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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 G2	
SHEET 4B	

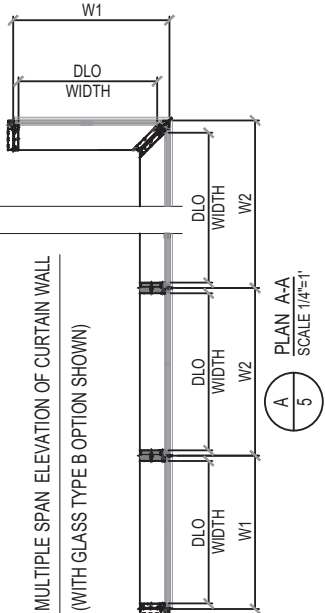
FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

MAXIMUM WIND AND DEAD LOAD AT ANCHORS					
MULLION		JAMB		CORNER MULLION (EACH SIDE)	
W _{Lm}	D _{Lm}	W _{Lj}	D _{Lj}	W _{Lcm}	D _{Lcm}
LB	LB	LB	LB	LB	LB
10,300/1,100	5,150	5,150	550	5,150	550

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO
VERIFY WITH ENGINEER OF RECORD THAT THE STRUCTURE
WHERE ANCHOR IS ATTACHED IS PROPERLY DESIGNED TO TAKE
THE LOADS IMPOSED BY THE CURTAIN WALL SYSTEM.
REFER TO THE ANCHOR LOADS SHOWN IN ABOVE CHART



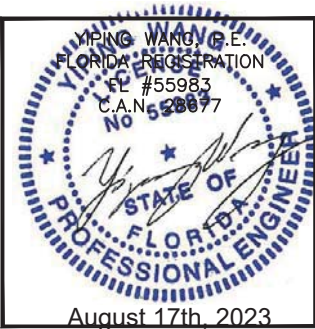
MULTIPLE SPAN ELEVATION OF CURTAIN WALL
(WITH GLASS TYPE B OPTION SHOWN)



MULLION DESIGN LOAD (PSF)	
W1	POSITIVE
in	PSF
43-1/2"	+92

NEGATIVE	PSF
-143	

FOR GLASS CAPACITY SEE CHART ON SHEET 4A



SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 E01	
SHEET 5	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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MIAMI, FL. 33183 F: 305.588.5224
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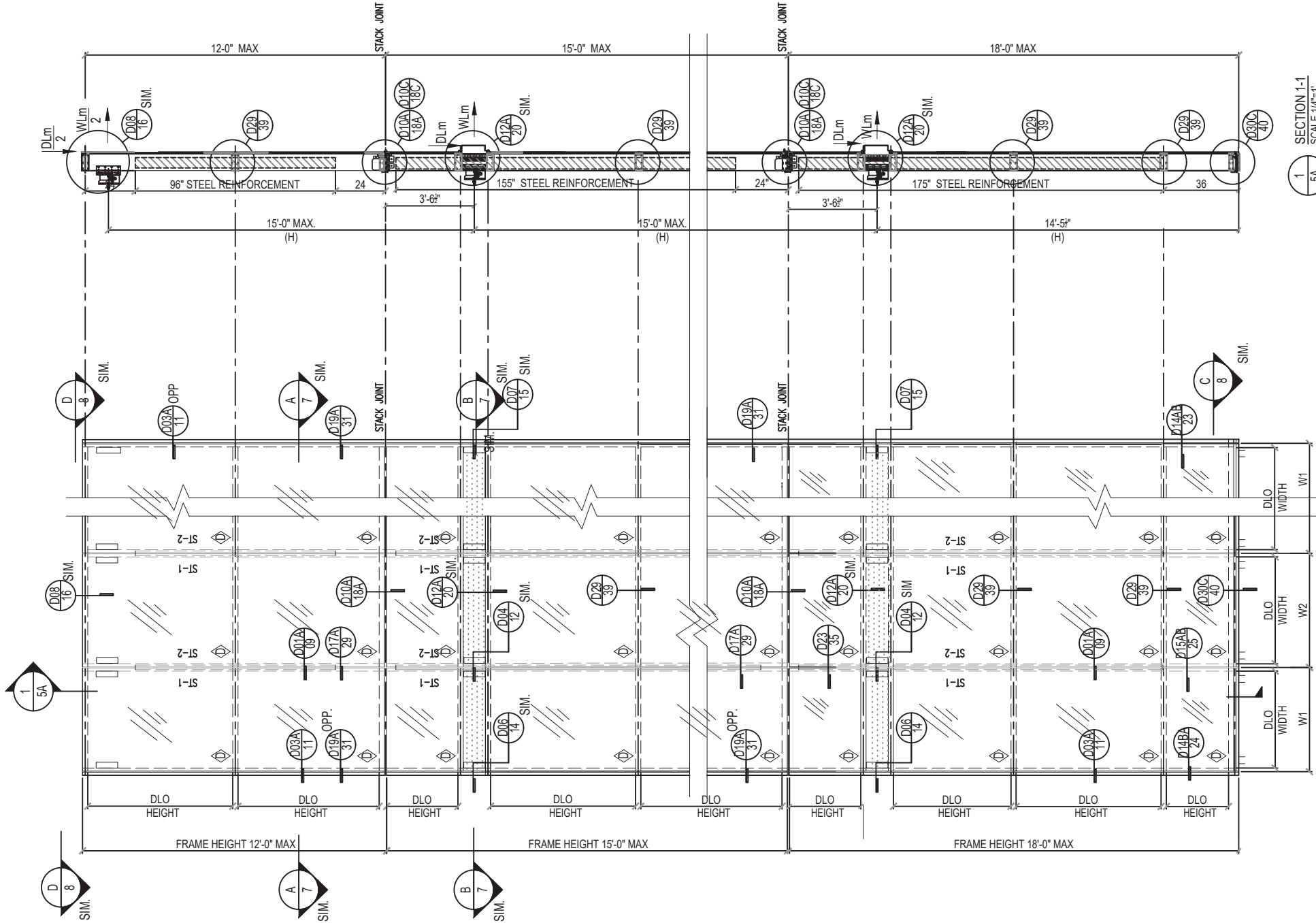
MCY

REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

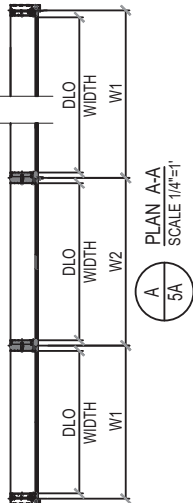
MAXIMUM WIND AND DEAD LOAD AT ANCHORS				
MULLION		JAMB		
WLm	DLm	WLj	DLj	
LB	LB	LB	LB	
10,300	1,100	5,150	550	

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO
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REFER TO THE ANCHOR LOADS SHOWN IN ABOVE CHART



SECTION 1-1
SCALE 1/4"=1'

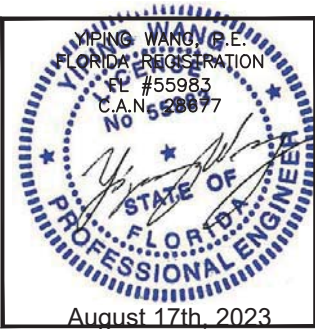
MULTIPLE SPAN ELEVATION OF CURTAIN WALL
(WITH GLASS TYPE D OPTION SHOWN)



PLAN A-A
SCALE 1/4"=1'

MULTIPLE SPAN FRAME MULLION DESIGN LOAD			
MULL SPACING (W)	FRAME HEIGHT MAX (H)	MAX DESIGN LOAD	
(in)	(in)	(+) PSF	(-) PSF
43-1/2"	180"	+92	-143

- FOR GLASS CAPACITY SEE CHART ON SHEET 4A
- $W = \frac{W1 + W2}{2}$
- H- MAX. DISTANCE FROM SUPPORTING ANCHOR TO NEXT SUPPORTING ANCHOR



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FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 E01A	
SHEET 5A	

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GLAZING CONSULTANTS

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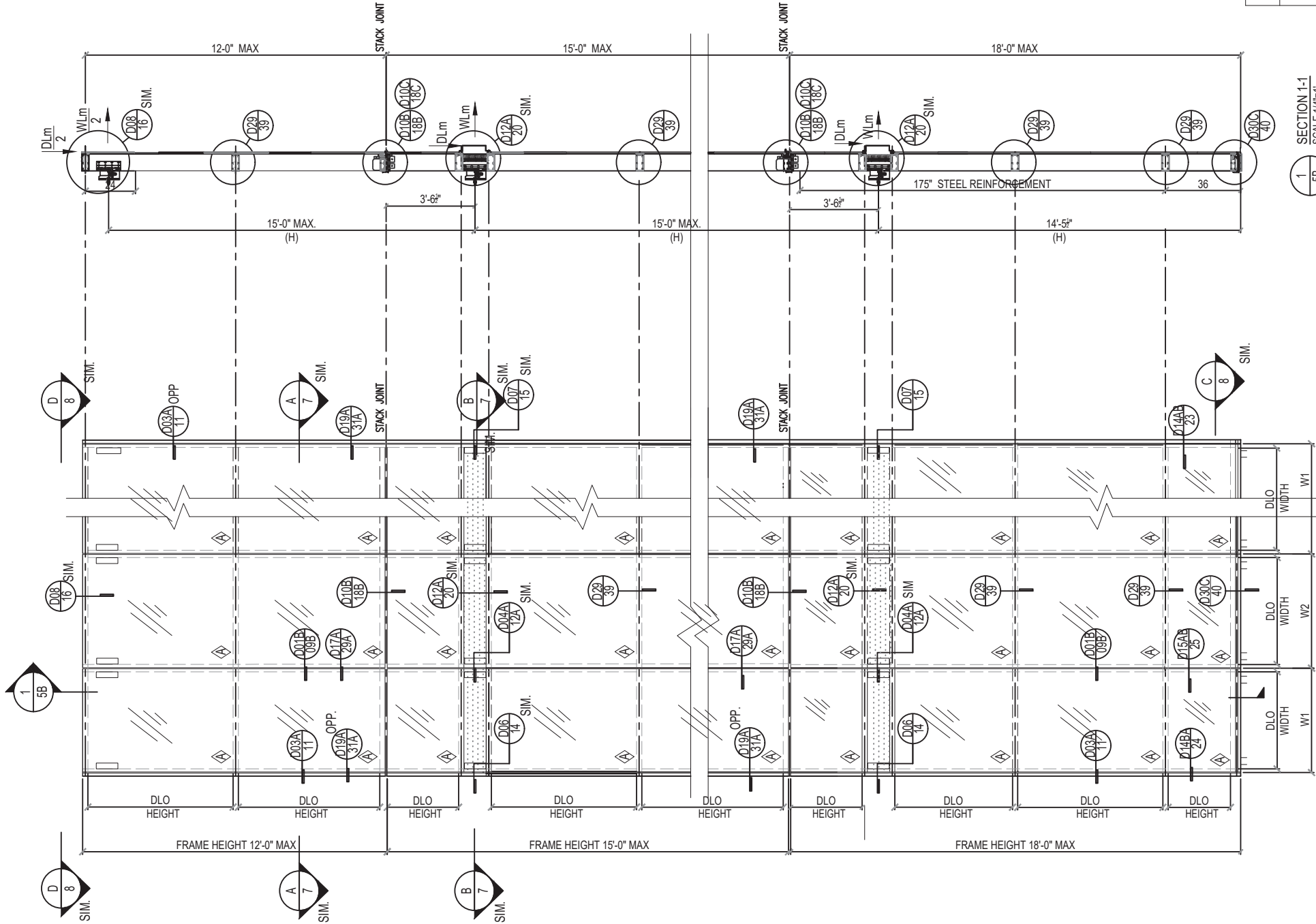
www.MCYEngineering.com MCY@mcyengineering.com

REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

MAXIMUM WIND AND DEAD LOAD AT ANCHORS				
MULLION		JAMB		
WLm	DLm	WLj	DLj	
LB	LB	LB	LB	
6850	900	4330	450	

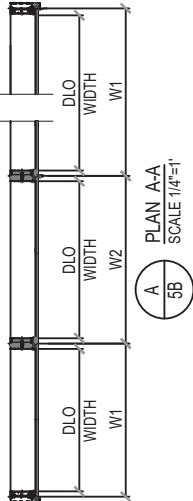
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WHERE ANCHOR IS ATTACHED IS PROPERLY DESIGNED TO TAKE
THE LOADS IMPOSED BY THE CURTAIN WALL SYSTEM.
REFER TO THE ANCHOR LOADS SHOWN IN ABOVE CHART



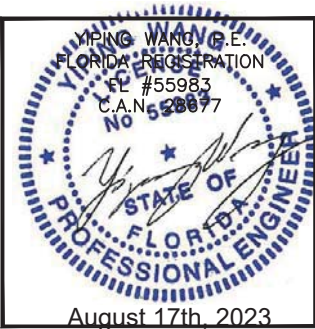
SECTION 1-1
SCALE 1/4"=1'

MULTIPLE SPAN FRAME MULLION DESIGN LOAD			
MULLION SPACING (W)	FRAME HEIGHT (H)	MAX DESIGN LOAD	
60"	(in)	(in)	+/- (PSF)
60"	79	79	
54"	87.8	87.8	
48"	98.8	98.8	
47.5"	100	100	
60"	180"	180"	

MULTIPLE SPAN ELEVATION OF CURTAIN WALL
(WITH GLASS TYPE A OPTION SHOWN)



- FOR GLASS CAPACITY SEE CHART ON SHEET 4A
- GLASS TYPE SHOWN
- $W = \frac{W1 + W2}{2}$
- H - MAX. DISTANCE FROM SUPPORTING ANCHOR TO NEXT SUPPORTING ANCHOR

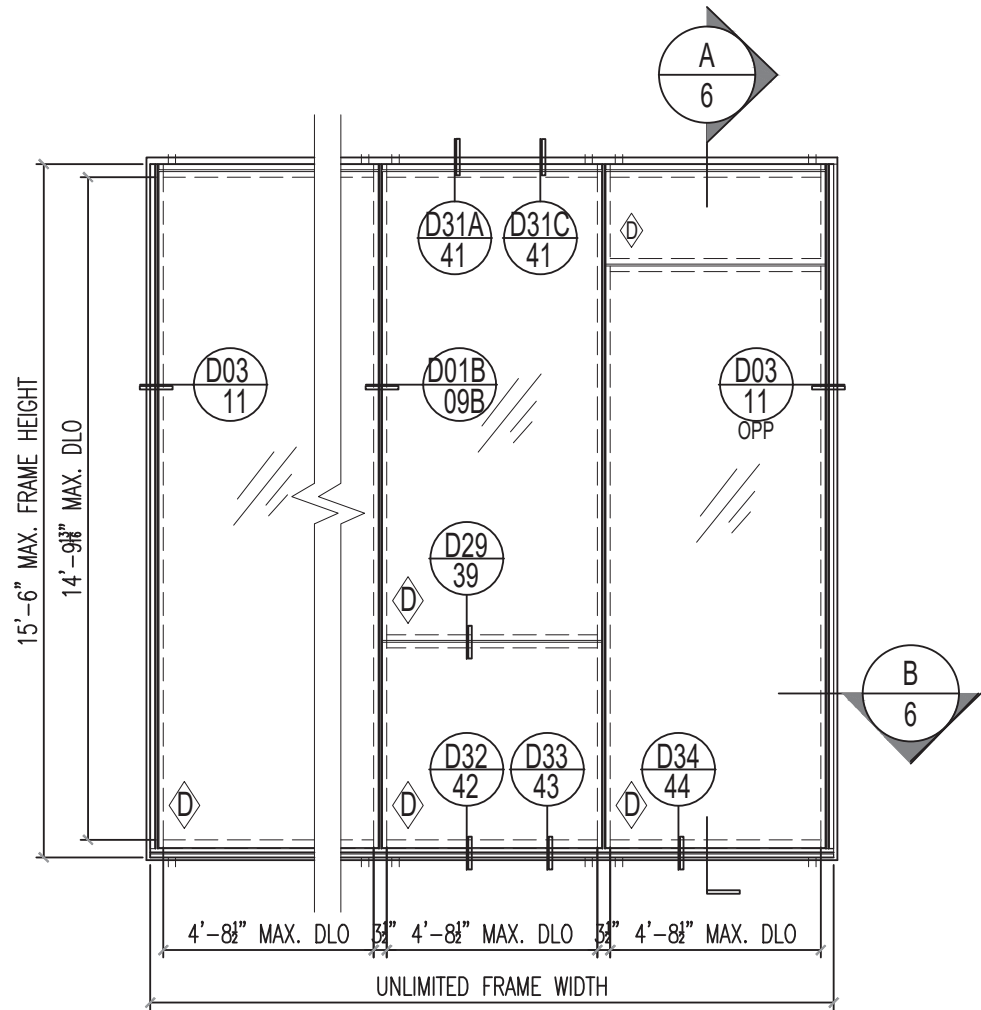


FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 E01B	
SHEET 5B	

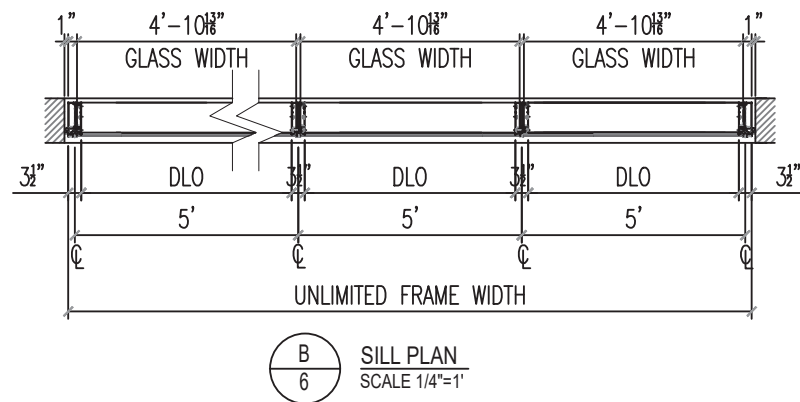
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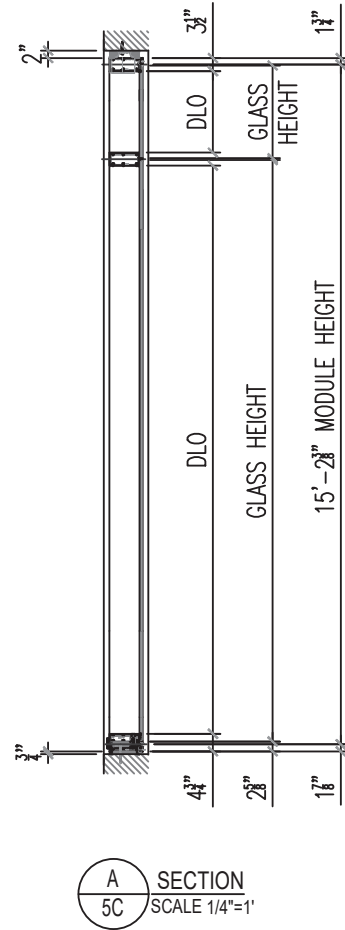
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NO.	DATE
R3	08.10.23
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FBC 2023	



SINGLE SPAN ELEVATION OF CURTAIN WALL
(WITH GLASS TYPE D SHOWN)

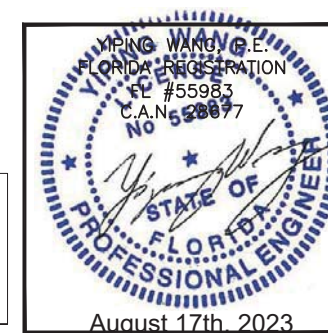


SILL PLAN
SCALE 1/4"=1'



MULLION SPACING W	OVERALL FRAME HEIGHT (F.H.)	ACTUAL MULL LENGTH (M SPAN)	ALLOWABLE DESIGN LOAD	
			(+)PSF	(-)PSF
IN		IN		
48	12'-0"	140.375	100.0	100.0
54			100.0	100.0
60			100.0	100.0
66			100.0	100.0
72			100.0	100.0
78			94.7	94.7
48	13'-0"	152.375	100.0	100.0
54			100.0	100.0
60			100.0	100.0
66			95.0	95.0
72			87.0	87.0
48	13'-6"	158.375	100.0	100.0
54			100.0	100.0
60			96.7	96.7
66			87.9	87.9
48	14'-0"	164.375	100.0	100.0
54			99.7	99.7
60			89.8	89.8
66			81.6	81.6
48	14'-6"	170.375	100.0	100.0
54			90.9	90.9
60			81.9	81.9
42	15'-0"	176.375	100.0	100.0
48			92.2	92.2
54			82.0	82.0
60			73.8	73.8
39			100.0	100.0
42	15'-6"	182.375	95.3	95.3
48			83.4	83.4
54			74.2	74.2
60			66.7	66.7
48	8'-4 5/8"	97	100.0	130.0
54			100.0	130.0
61.1875			100.0	130.0

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	BY
R3	08.10.23	FBC 2023	

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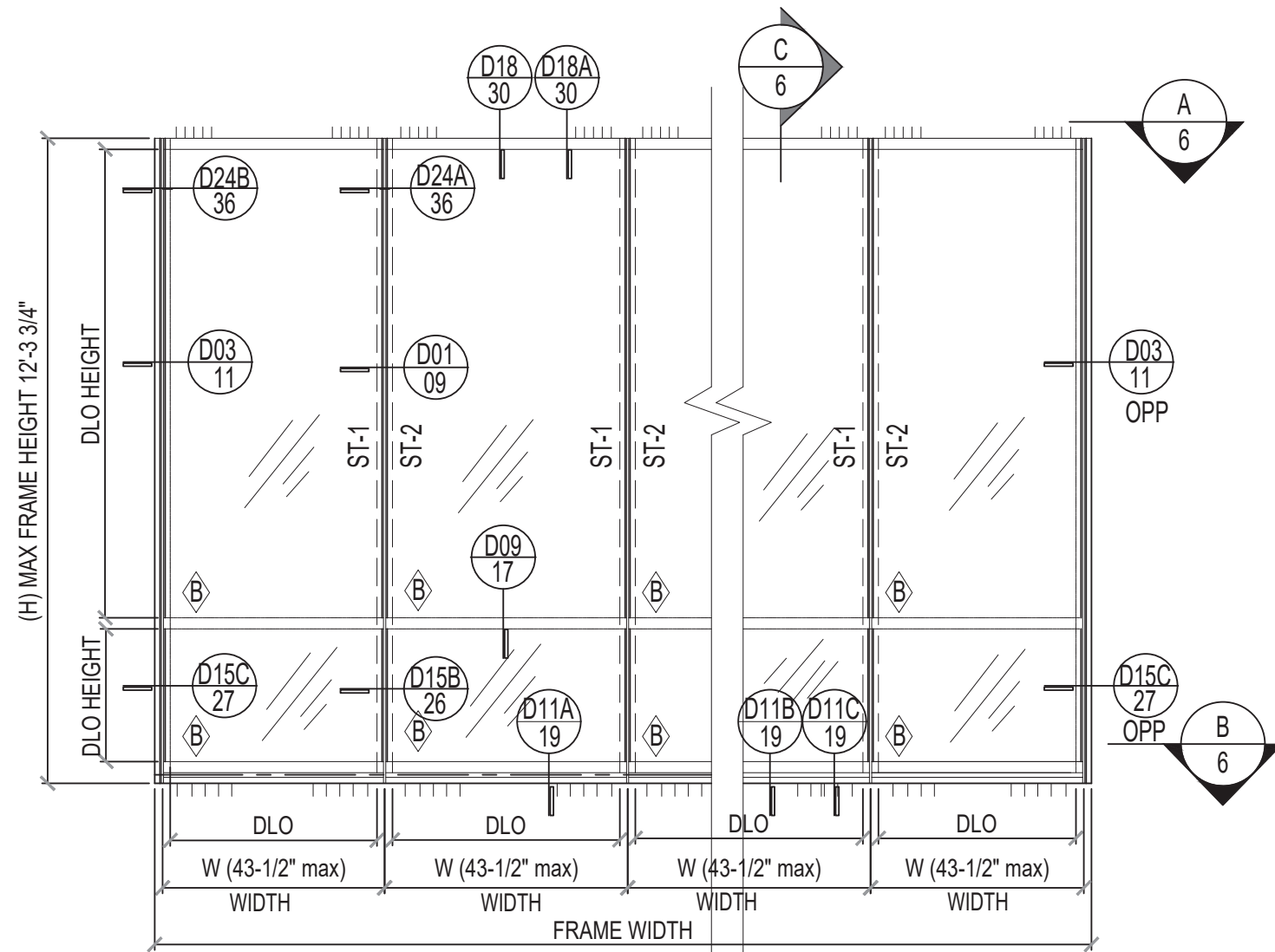
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FL #20149.2

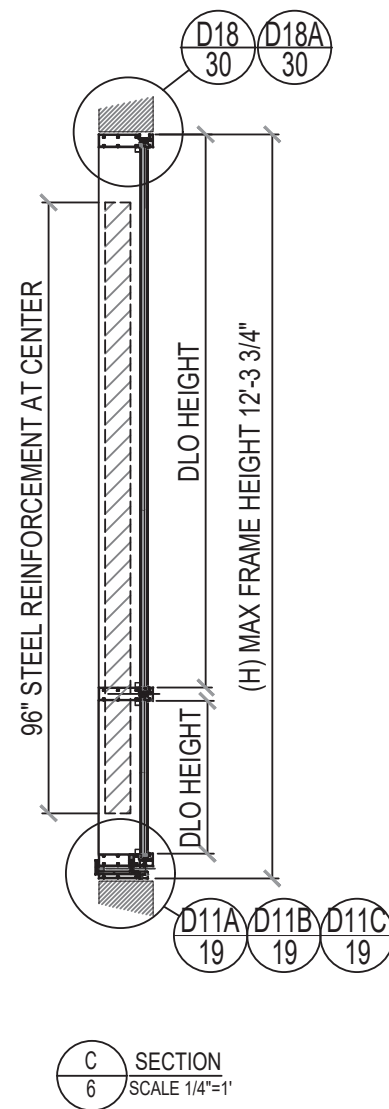
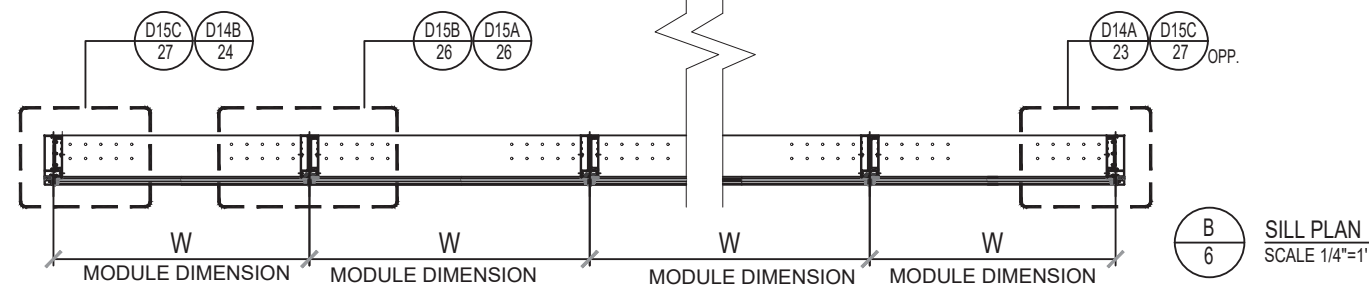
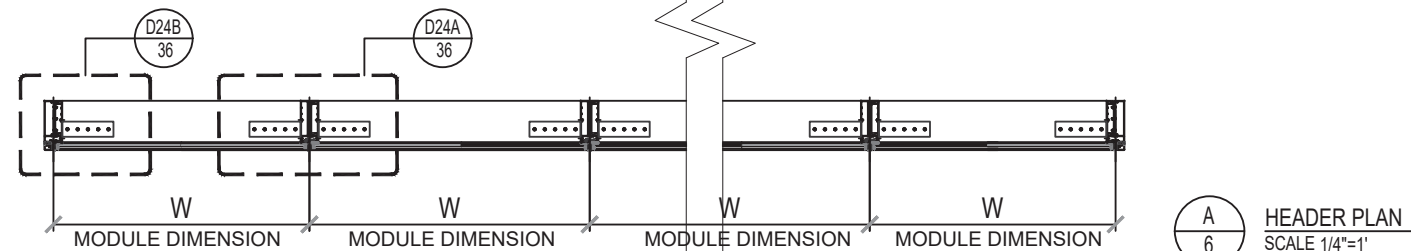
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
E02

SHEET 6



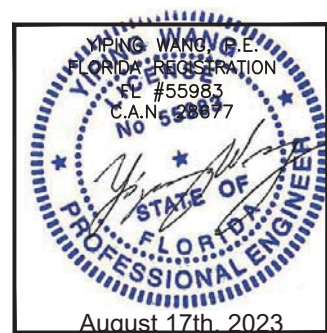
SINGLE SPAN ELEVATION OF CURTAIN WALL
(WITH GLASS TYPE B SHOWN)



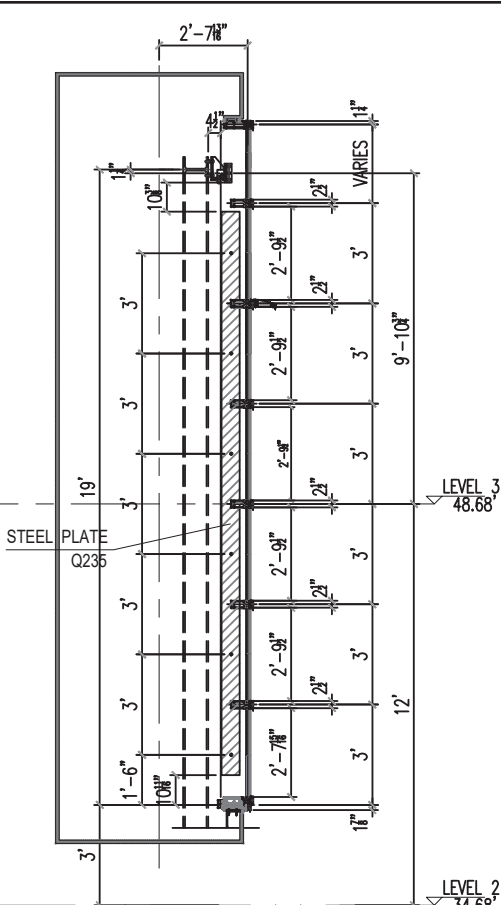
SINGLE SPAN FRAME MULLION DESIGN LOAD

MULLION TRIB. WIDTH (W)	FRAME HEIGHT (H)	MAX DESIGN LOAD	
		POSITIVE	NEGATIVE
(in)	(in)	(PSF)	(PSF)
43-1/2"	147.25"	+92	-143

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

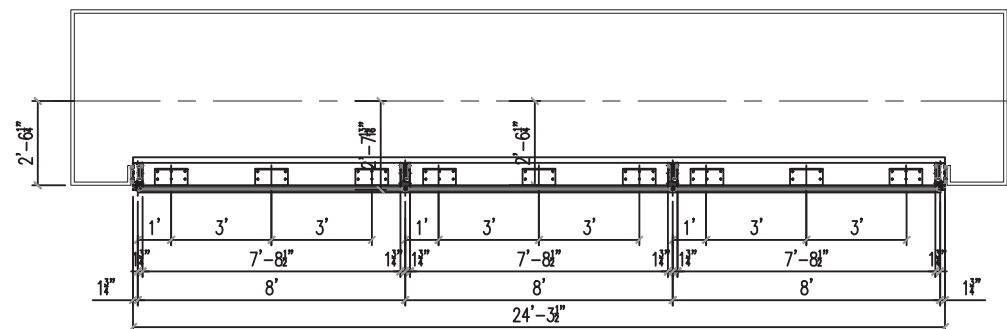


REVISIONS NO. DATE DESCRIPTION R3 08.10.23 FBC 2023	
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIAMI, FL 33183 F: 305.588.5224 www.MCYEngineering.com MCY@mcyengineering.com	
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.) N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
FLORIDA APPROVAL: FL #20149.2 DATE 08.10.2023 SCALE AS NOTED DRAWN James PROJECT MCY16-022 DRAWING NO. AD16-09 E02A SHEET 6A	



3
E02A

SECTION 3-3
SCALE 1/4"=1'



PLAN C-C
SCALE 1/4"=1'

REVISIONS		
NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

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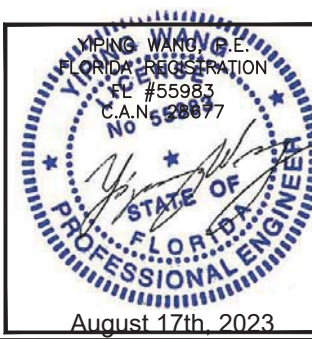
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4348 WESTROADS DRIVE
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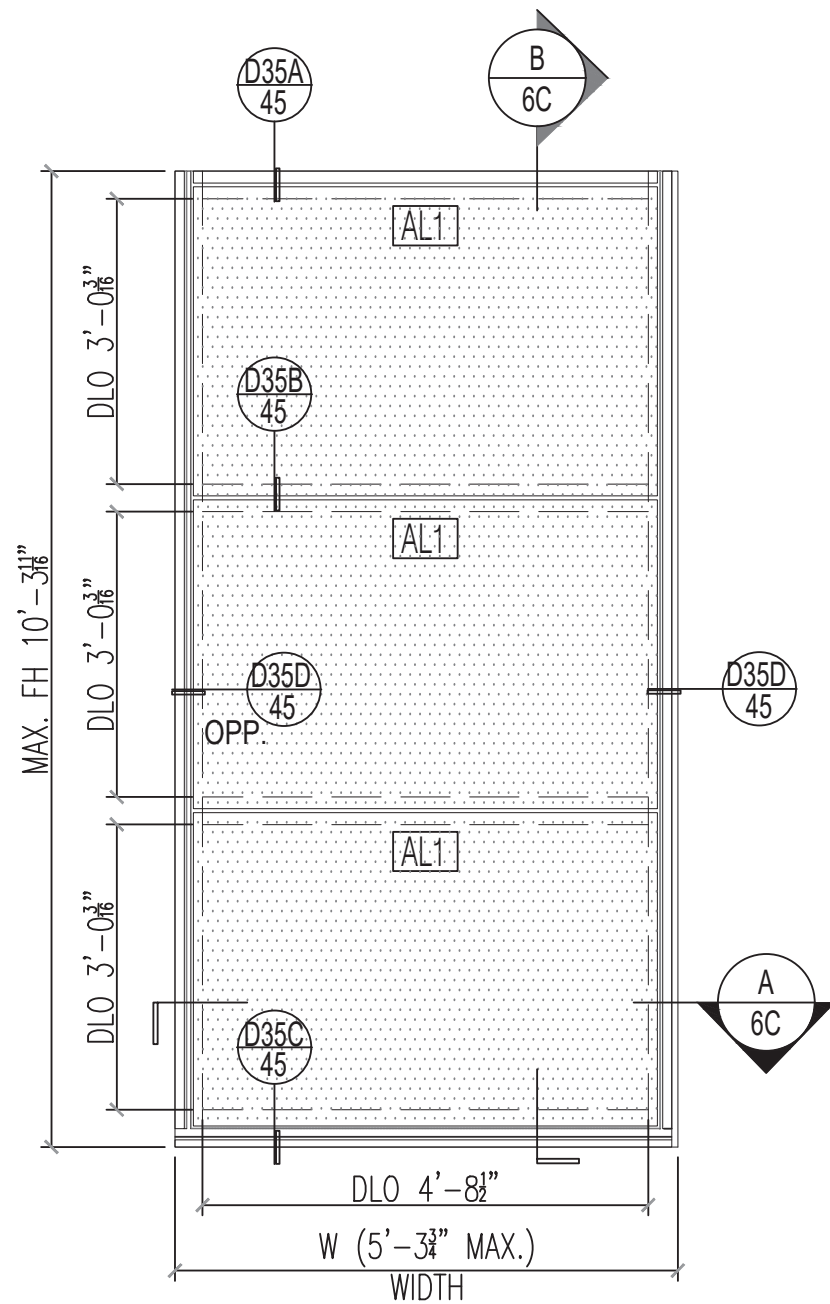
FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

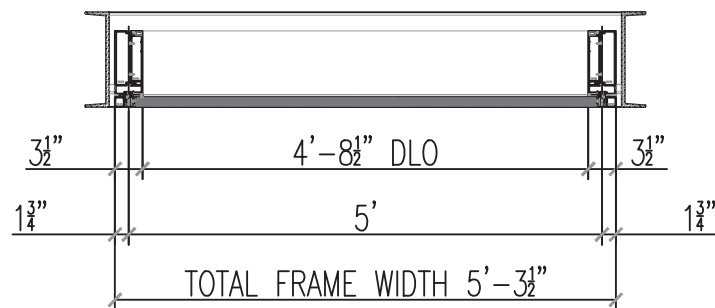
DRAWING NO.
AD16-09
E02B

SHEET 6B

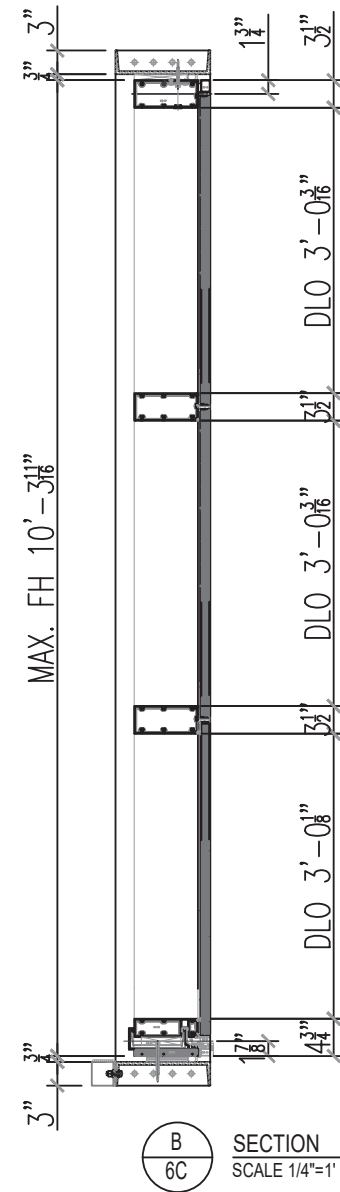




SINGLE SPAN ELEVATION OF ALUMINUM PANEL

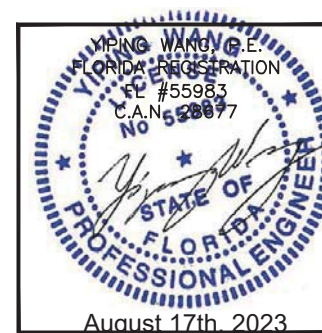


A 6C SILL PLAN
SCALE 1/4"=1'



MAX DESIGN LOAD = +75 PSF
-75 PSF

AL1 OUTRIGGER ALUMINUM PANEL
1/8" ALUM. PANEL 3003-H4



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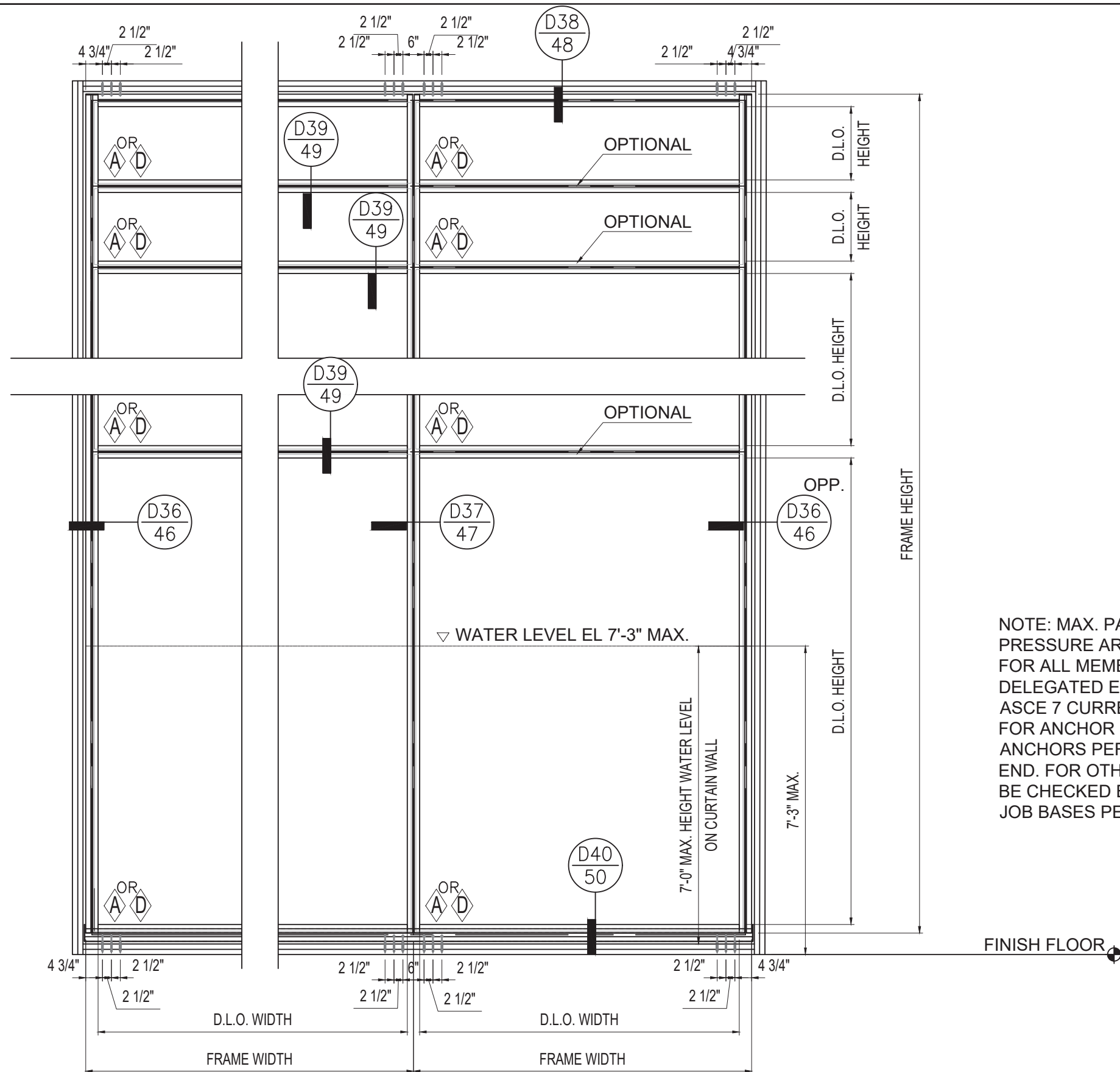
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4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 E02C	
SHEET 6C	

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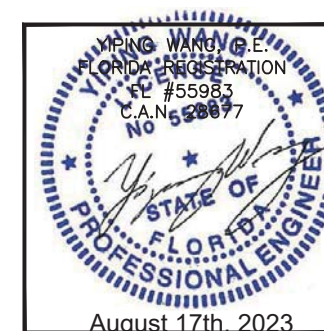
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NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	



NOTE: MAX. PANEL SIZE AND DESIGN PRESSURE ARE LIMITED BY THIS APPROVAL . FOR ALL MEMBERS TO BE CHECKED BY DELEGATED ENGINEER ON JOB BASES PER ASCE 7 CURRENT VERSION. FOR ANCHOR CONDITIONS, AT LEAST THREE ANCHORS PER SIDE OF JAMB AND MULLION END. FOR OTHER ANCHOR CONDITIONS TO BE CHECKED BY DELEGATED ENGINEER ON JOB BASES PER ASCE 7 CURRENT VERSION.

1
E3 TYPICAL ELEVATION
CURTAIN WALL APPROVED FOR FLOOD TEST



August 17th, 2023

REVISIONS	
NO.	DATE
E3	08.10.23
DESCRIPTION	
FBC 2023	

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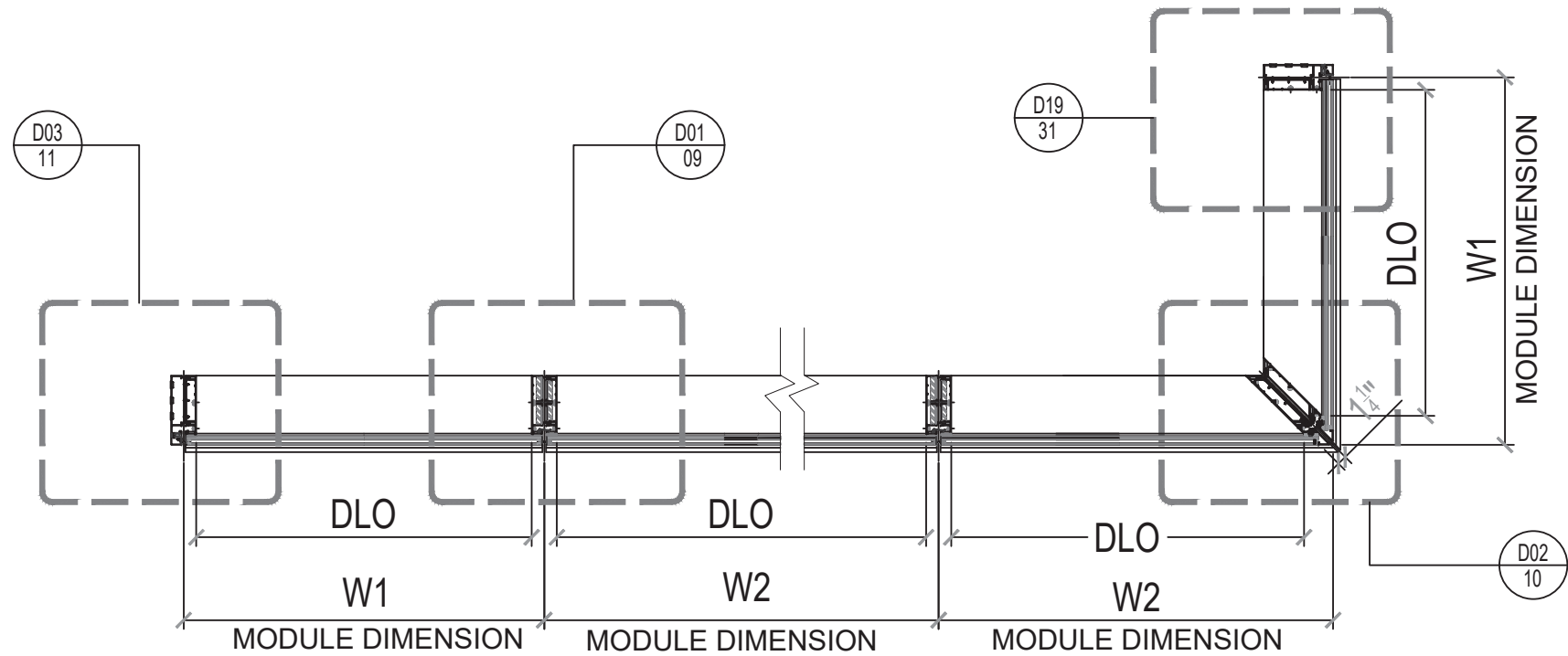
M C Y

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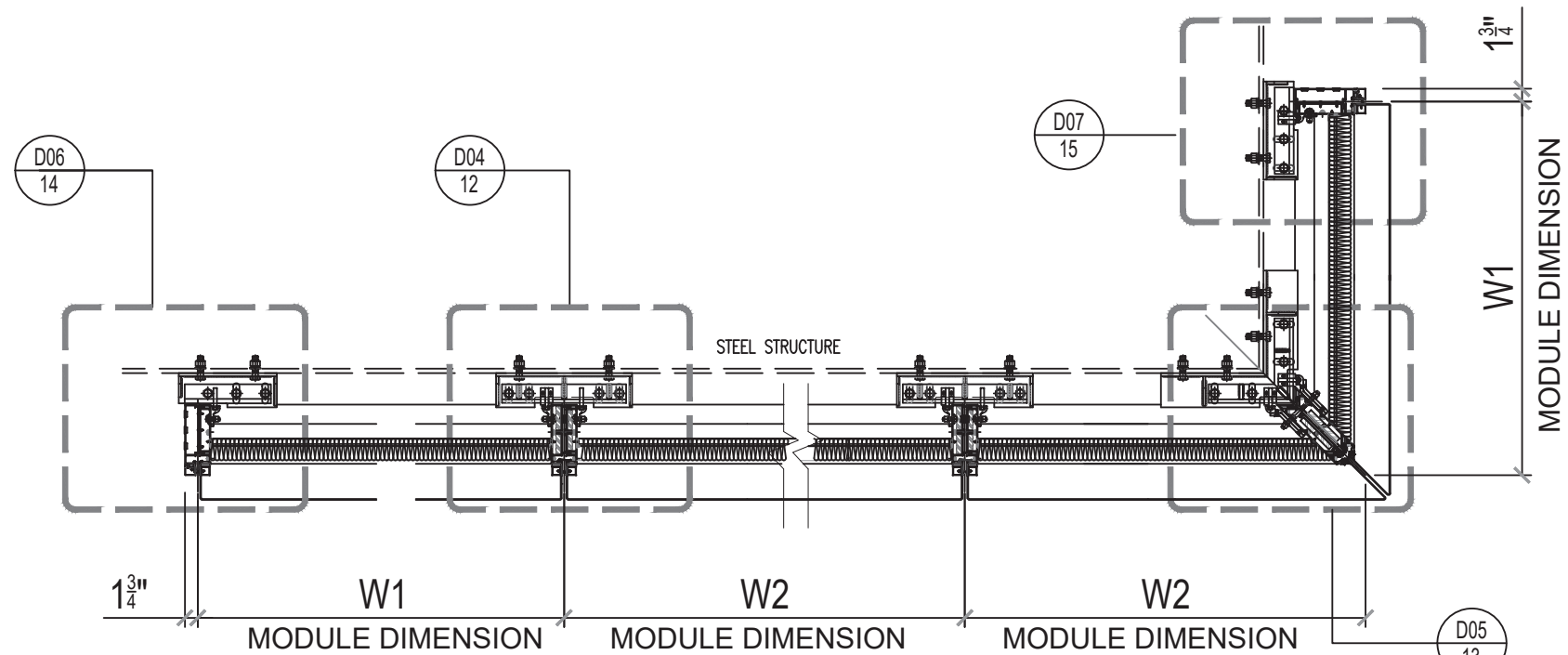
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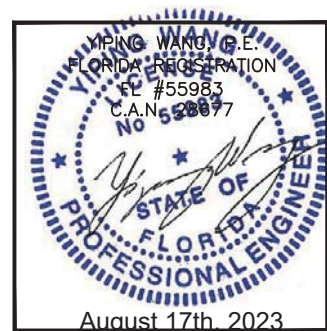
FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 E3	
SHEET 6D	



A
7 PLAN A-A
SCALE 1/4"=1'



B
7 PLAN B-B
SCALE 1/4"=1'



August 17th, 2023

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

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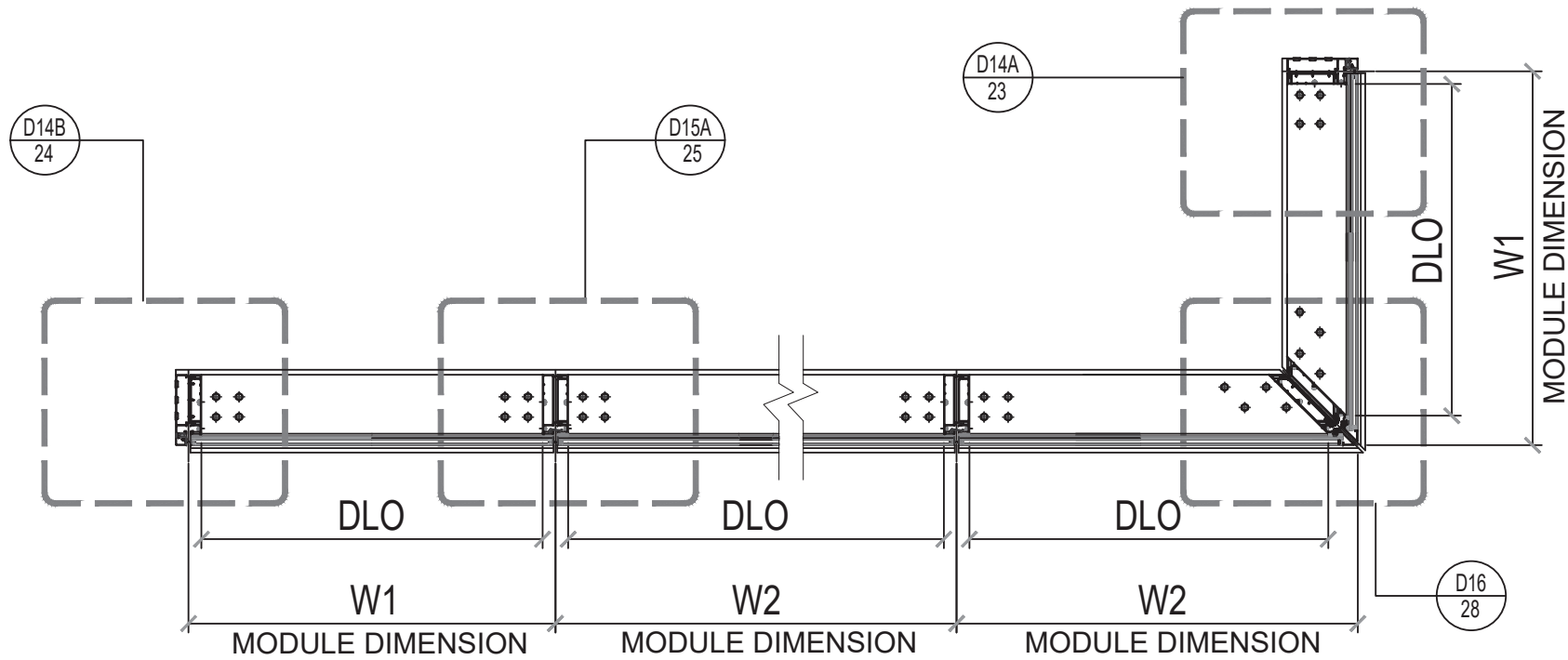
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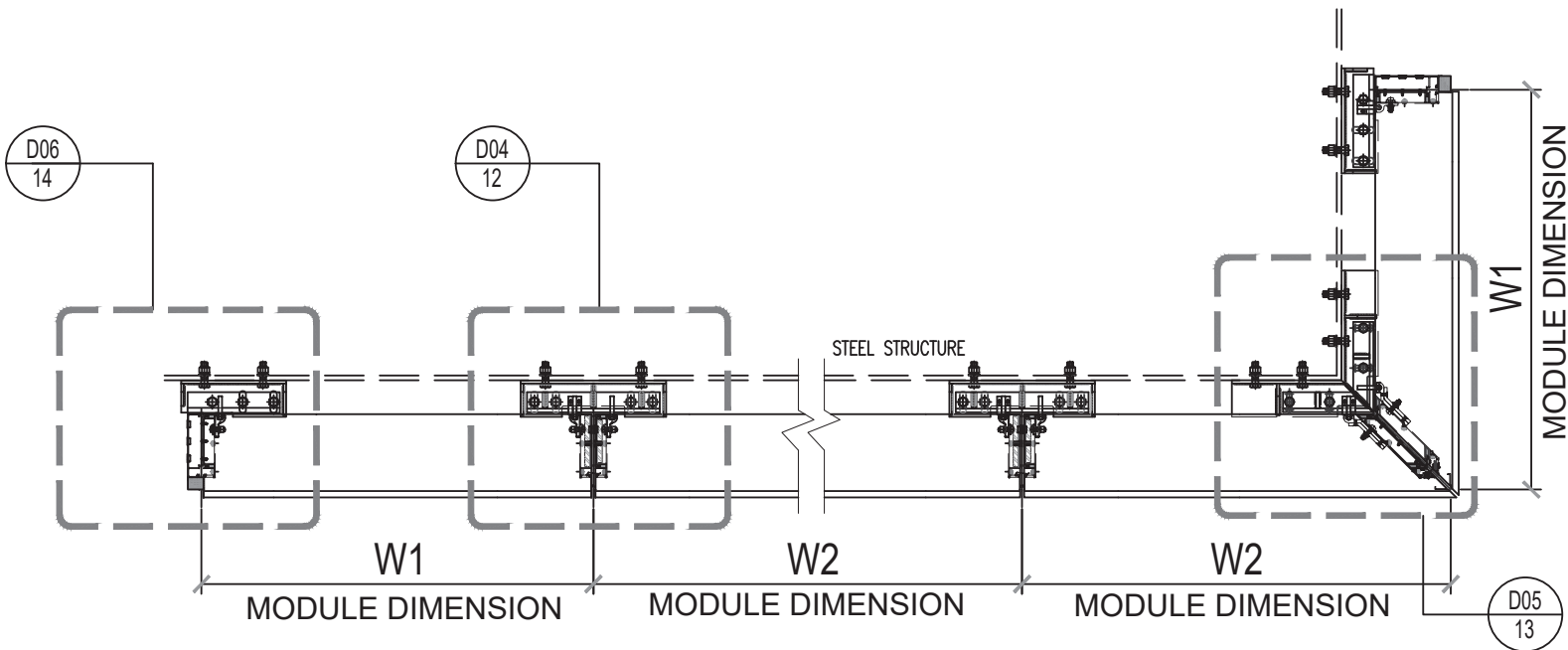
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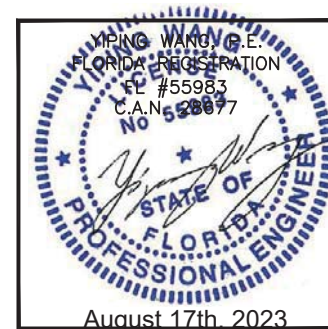
FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
PM01	
SHEET 7	



C
8 PLAN C-C
SCALE 1/4"=1'



D
8 PLAN D-D
SCALE 1/4"=1'



SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)
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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 PM02	
SHEET 8	

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REVISIONS	DESCRIPTION
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R3	08.10.23
	FBC 2023

INTERIOR

- NR8-001 MALE MULLION
- ZGD-08 M10 X 25 FH ST/ST BOLT (S.S.304) @ 15-3/4" O.C. (SEE PM-08)
- LS-01 M6 X 40 ST/ST MACHINE SCREW (S.S. 304)
- NL-07 1/16" THK NYLON SHEET
- REINF. ST-1 SEE ELEVATION FOR LENGTH
- NR8-003 ANTIBUCKLING CLIP L=50mm @ 36" O.C.

- JT-04 WEDGE GASKET WEDGE GASKET
- NR8-073 COVER PLATE COVER PLATE
- INSUL-LAM. GLASS SHOWN

- JT-03 EPDM GASKET
- NL-08 1/16" THK NYLON SHEET
- NR8-002 FEMALE MULLION
- REINF. ST-2 SEE ELEVATION FOR LENGTH
- HM-03 AIR-LOCKED SPONGE BAR

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-001	20.617	4.921
NR8-002	18.915	4.448
TOTAL	39.532	9.297

STEEL REINF	Ix (in^4)	Sx (in^3)
ST-1	16.042	4.954
ST-2	9.471	3.486
TOTAL	25.513	7.879

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-001	20.617	4.921
NR8-002	18.915	4.448
ST-1 (IN ALUM)	46.522	-
ST-2 (IN ALUM)	27.466	-
	113.520	

SEE ELEVATION FOR STEEL REINF. LENGTH

DC983 (BLACK) SILICONE WIDTH & CAPACITIES SEE SHEET 4B

GJT-01 SILICONE SHEET (2) PER NR8-073 COVER PLATE

EXTERIOR

D01A 9
DETAIL INTERM VERT. MULLION

D01 9
DETAIL INTERM VERT. MULLION

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D01	
SHEET 9	

YOUNG WANG & ASSOCIATES, P.C.
FLORIDA REGISTERED PROFESSIONAL ENGINEER
FL #55983
C.A.N. 528677

August 17th, 2023

INTERIOR

NR8-001 MALE
MULLION

ZGD-08 M10 X 25 FH ST/ST BOLT
(S.S.304) @ 15-3/4" O.C. (SEE PM-03)

LS-01
M6 X 40 ST/ST MACHINE SCREW (S.S. 304)

NL-07
1/16" THK NYLON SHEET

REINF. ST-1A
SEE ELEVATION FOR LENGTH

NR8-003
ANTIBUCKLING CLIP
L=50mm @ 36" O.C.

JT-04 WEDGE GASKET
WEDGE GASKET

NR8-073 COVER PLATE
COVER PLATE

INSUL-LAM.
GLASS SHOWN

EXTERIOR

DC791 (BLACK)

GJT-01
SILICONE SHEET

WEEP HOLE
(2) PER NR8-073
COVER PLATE

DC983 (BLACK)
SILICONE WIDTH
& CAPACITIES
SEE SHEET 4B

JT-03 EPDM GASKET

NL-08
1/16" THK NYLON SHEET

NR8-002A FEMALE
MULLION

REINF. ST-2A
SEE ELEVATION FOR LENGTH

HM-03
AIR-LOCKED SPONGE BAR

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-001	20.617	4.921
NR8-002	18.915	4.448
TOTAL	39.532	9.297

STEEL REINF	Ix (in^4)	Sx (in^3)
ST-1A	21.455	6.602
ST-2A	12.560	4.620
TOTAL	34.015	-

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-001	20.617	4.921
NR8-002	18.915	4.448
ST-1A (IN ALUM)	62.220	-
ST-2A (IN ALUM)	34.424	-
	138.176	

SEE ELEVATION FOR STEEL
REINF. LENGTH

D01A
9A
DETAIL
INTERM VERT. MULLION

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D01A	
SHEET 9A	

YOUNG WANG & ASSOCIATES, P.C.
FLORIDA REGISTERED PROFESSIONAL ENGINEER
FL #55983
C.A.N. #28877

August 17th, 2023

INTERIOR

NR8-001 MALE
MULLION

ZGD-08 M10 X 25 FH ST/ST BOLT
(S.S.304) @ 15-3/4" O.C. (SEE PM-03)

LS-01
M6 X 40 ST/ST MACHINE SCREW (S.S. 304)

NR8-003
ANTIBUCKLING CLIP
L=50mm @ 36" O.C.

JT-04 WEDGE GASKET
WEDGE GASKET

NR8-073 COVER PLATE
COVER PLATE

INSUL-LAM.
GLASS SHOWN

JT-03 EPDM GASKET

NR8-002A FEMALE
MULLION

HM-03
AIR-LOCKED SPONGE BAR

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-001	20.617	4.921
NR8-002	18.915	4.448
TOTAL	39.532	9.297

EXTERIOR

DC791 (BLACK)

GJT-01
SILICONE SHEET

WEEP HOLE
(2) PER NR8-073
COVER PLATE

DC983 (BLACK)
SILICONE WIDTH
& CAPACITIES
SEE SHEET 4B

MODULE DIM.

MODULE DIM.

DLO

DLO

D01B
9B

DETAIL
INTERM VERT. MULLION

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
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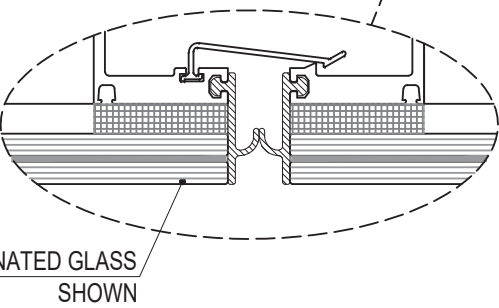
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D01B	
SHEET 9B	

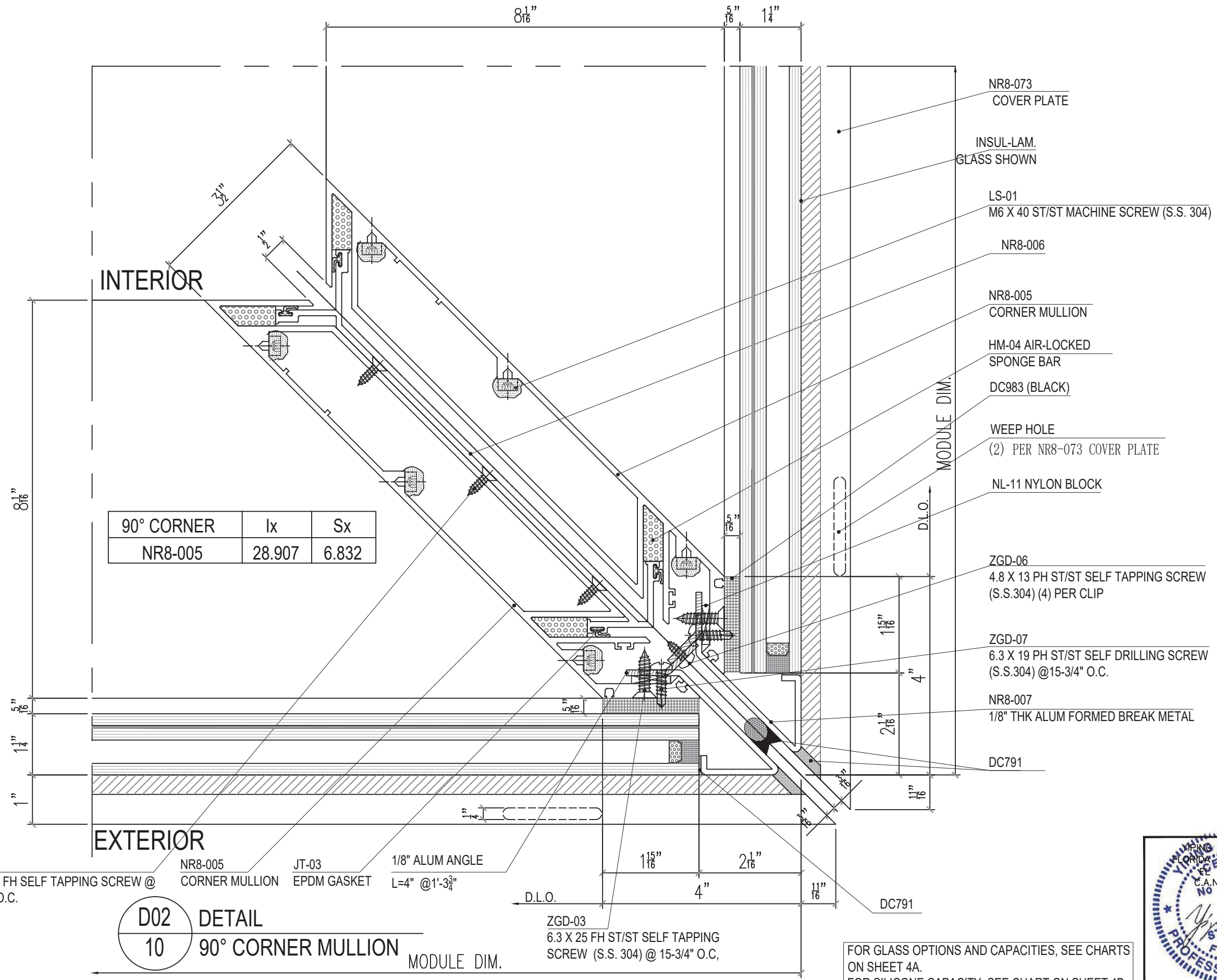
YOUNG WANG
PING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 288677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 17th, 2023



LAMINATED GLASS
SHOWN



REVISIONS

NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

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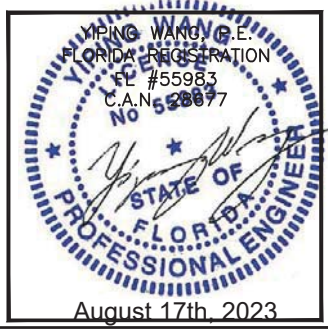
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WEST PALM BEACH, FL 33407
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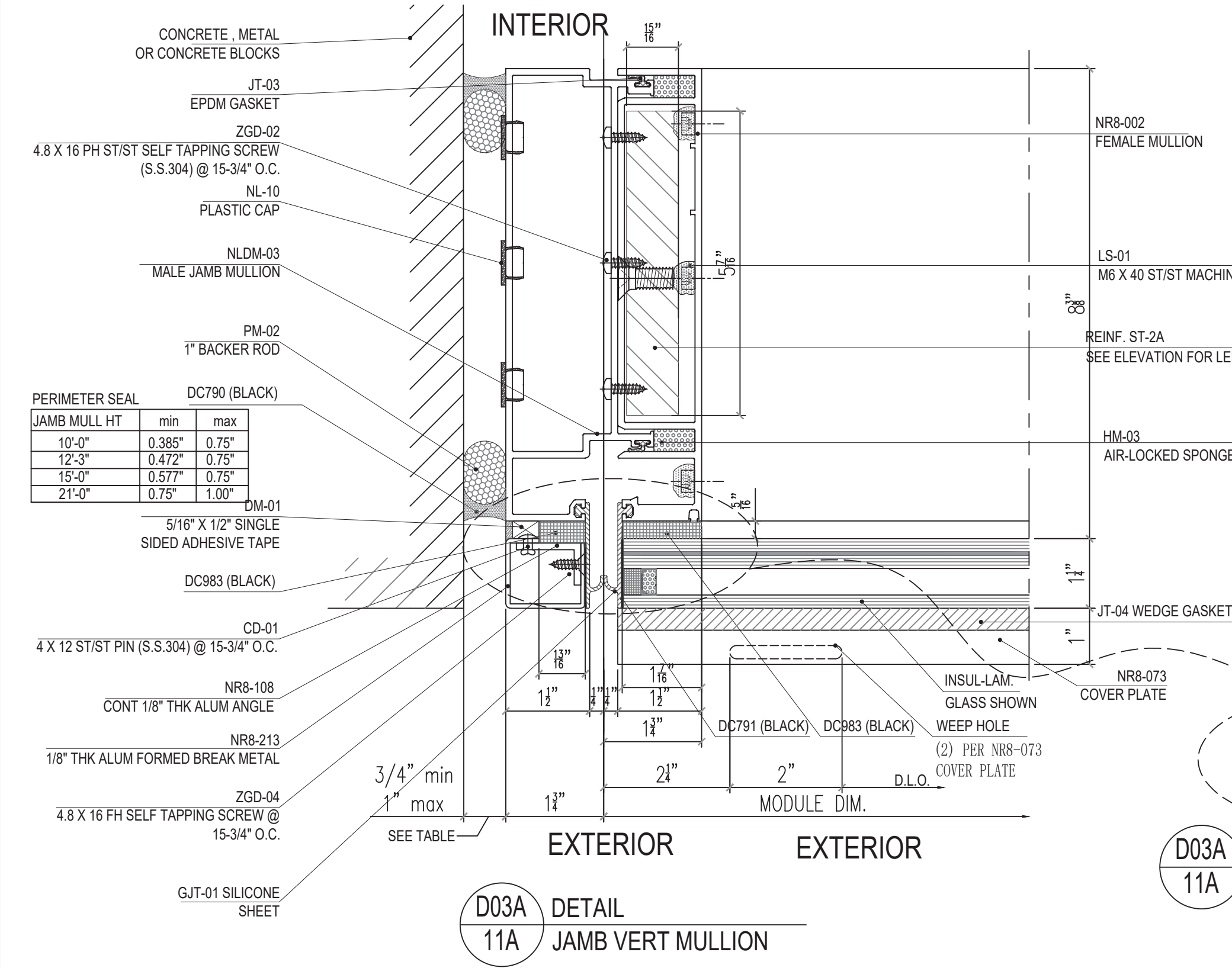
FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D02

SHEET 10

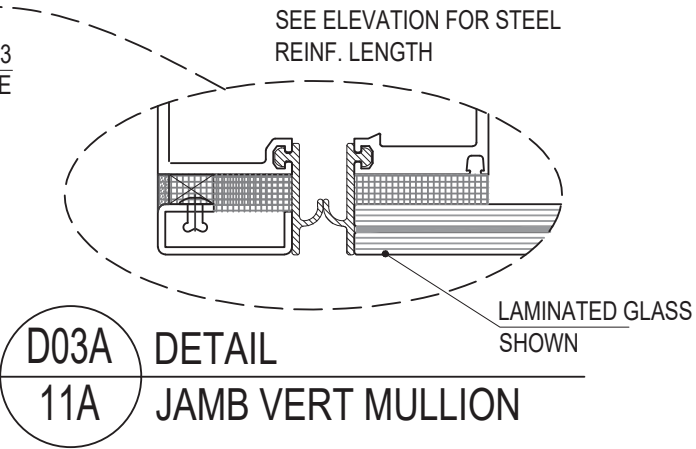




VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-004	21.525	5.081
NR8-002	18.915	4.448
TOTAL	40.440	9.511

STEEL REINF	Ix (in^4)	Sx (in^3)
ST-2A	12.560	4.620

VERTICAL MULL	Ix (in^4)	Sx (in^3)
NR8-004	21.525	5.081
NR8-002	18.915	4.448
ST-2A (IN ALUM)	34.424	-
	76.864	



FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS

NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

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4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407

P: (561) 844 - 1121 F: (561) 844 - 6131

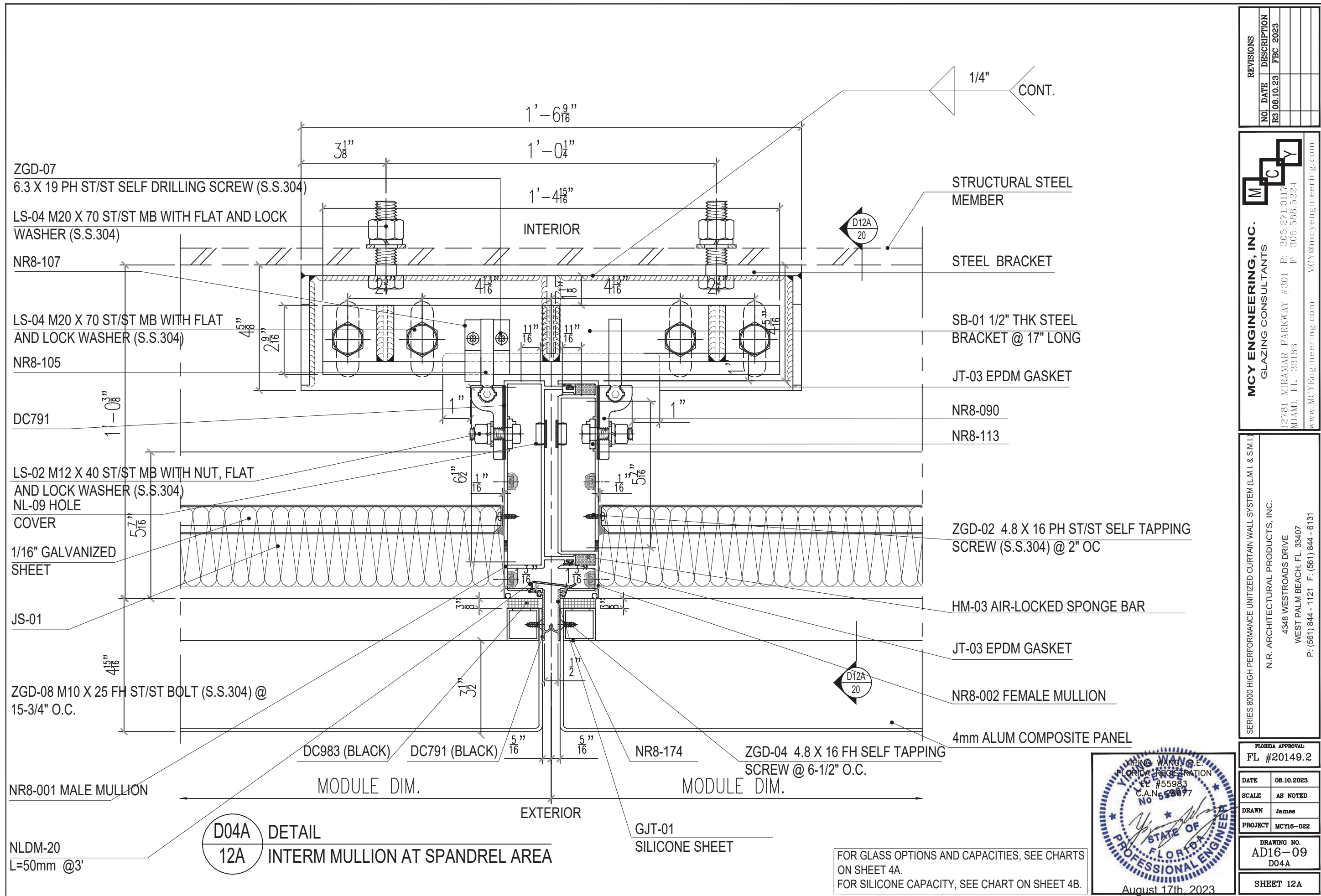
FLORIDA APPROVAL:

FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D03A

SHEET 11A



REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

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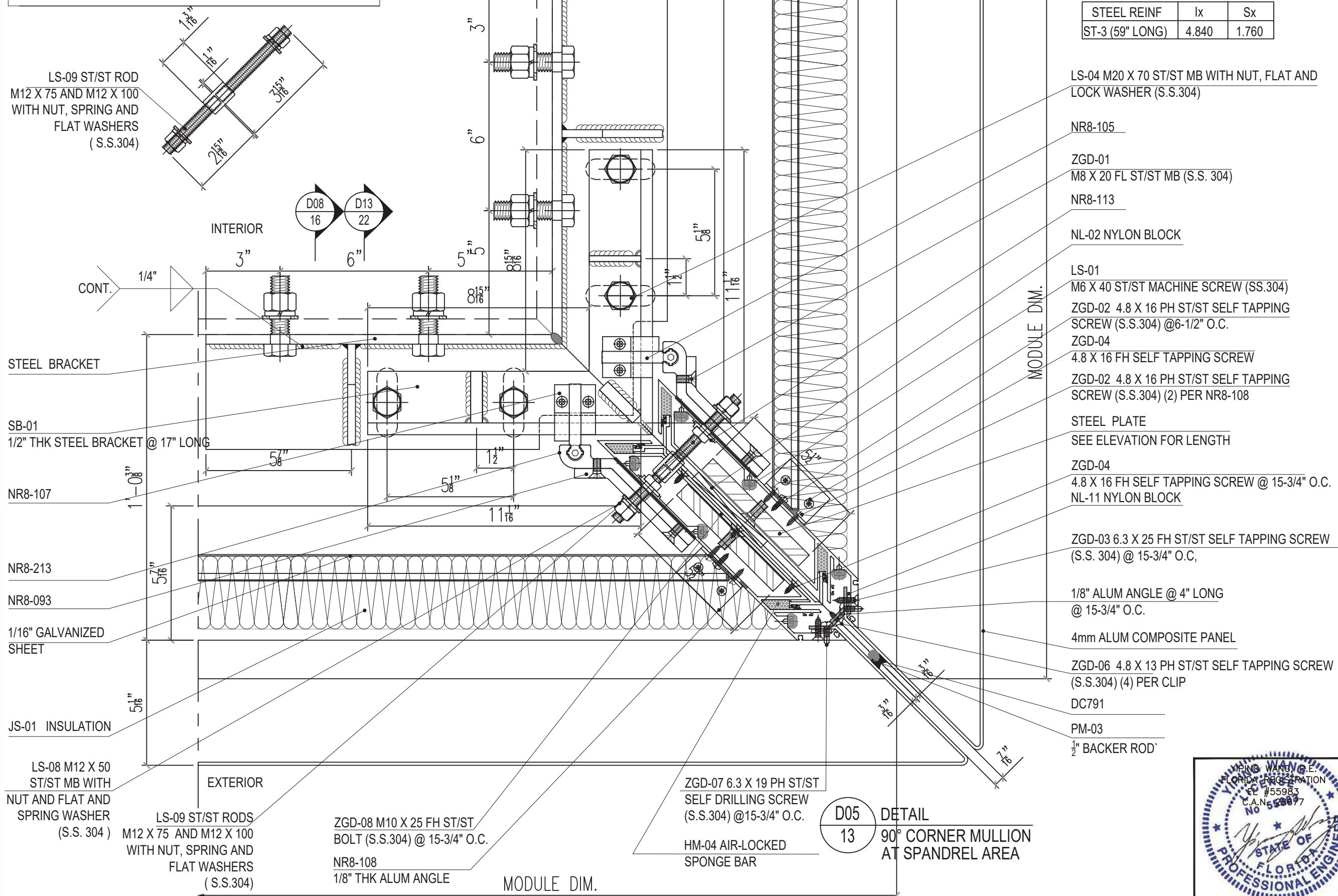
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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D04A	
SHEET 12A	



FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



90° CORNER	lx	Sx
NR8-005	28.907	6.832

STEEL REINF	Ix	Sx
ST-3 (59" LONG)	4.840	1.760

LS-04 M20 X 70 ST/ST MB WITH NUT, FLAT AND
LOCK WASHER (S.S.304)

NR8-105

ZGD-01
M8 X 20 FL ST/ST MB (S.S. 304)

NR8-113

NL-02 NYLON BLOCK

LS-01
M6 X 40 ST/ST MACHINE SCREW (SS.304)

ZGD-02 4.8 X 16 PH ST/ST SELF TAPPING
SCREW (S.S.304) @6-1/2\"/>

ZGD-04
4.8 X 16 FH SELF TAPPING SCREW

ZGD-02 4.8 X 16 PH ST/ST SELF TAPPING
SCREW (S.S.304) (2) PER NR8-108

STEEL PLATE
SEE ELEVATION FOR LENGTH

ZGD-04
4.8 X 16 FH SELF TAPPING SCREW @ 15-3/4\"/>

ZGD-03 6.3 X 25 FH ST/ST SELF TAPPING SCREW
(S.S. 304) @ 15-3/4\"/>

1/8\"/>

4mm ALUM COMPOSITE PANEL

ZGD-06 4.8 X 13 PH ST/ST SELF TAPPING SCREW
(S.S.304) (4) PER CLIP

DC791

PM-03
1/2\"/>

ZGD-07 6.3 X 19 PH ST/ST
SELF DRILLING SCREW
(S.S.304) @15-3/4\"/>

HM-04 AIR-LOCKED
SPONGE BAR

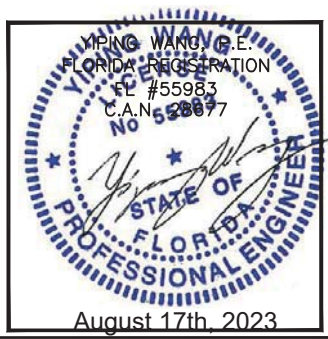
ZGD-08 M10 X 25 FH ST/ST
BOLT (S.S.304) @ 15-3/4\"/>

NR8-108
1/8\"/>

LS-09 ST/ST RODS
M12 X 75 AND M12 X 100
WITH NUT, SPRING AND
FLAT WASHERS
(S.S.304)

LS-08 M12 X 50
ST/ST MB WITH
NUT AND FLAT AND
SPRING WASHER
(S.S. 304)

D05
13
DETAIL
90° CORNER MULLION
AT SPANDREL AREA



REVISIONS		DESCRIPTION
NO.	DATE	
R3	08.10.23	FBC 2023

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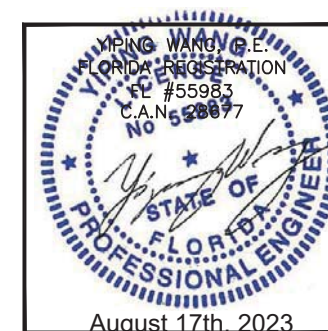
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

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4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D05	
SHEET 13	

Technical drawing of a steel bracket. The overall length is $1' - 1\frac{3}{8}"$. The overall height is $4\frac{5}{8}"$. The bracket features two vertical slots, each with a height of $2\frac{5}{8}"$. The distance between the centers of the slots is $3\frac{1}{8}"$. The distance from the left edge to the center of the first slot is $1\frac{3}{16}"$, and the distance from the center of the second slot to the right edge is $1\frac{3}{16}"$. A circular hole with a diameter of $\varnothing 1\frac{3}{16}"$ is located on the left side. A label "STEEL BRACKET" points to the right side of the drawing.

PERIMETER SEAL		
JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"



REVISIONS		
NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

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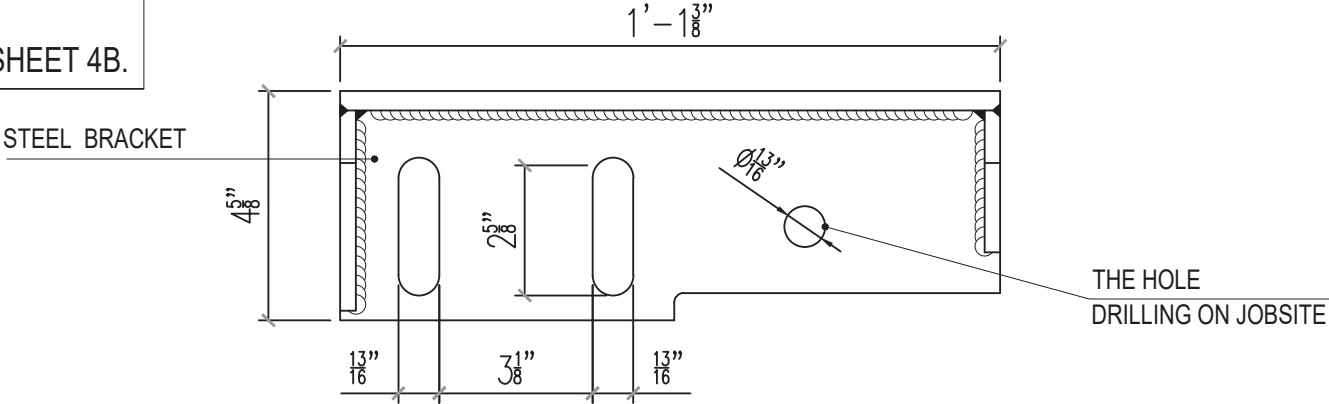
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 P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D06	
SHEET 14	

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



LS-04 M20 X 70 ST/ST MB WITH FLAT
AND LOCK WASHER (S.S.304)

STEEL BRACKET

SB-01 1/2" THK STEEL BRACKET
@ 11-3/4" LONG

JT-03 EPDM GASKET

NR8-090

DC791

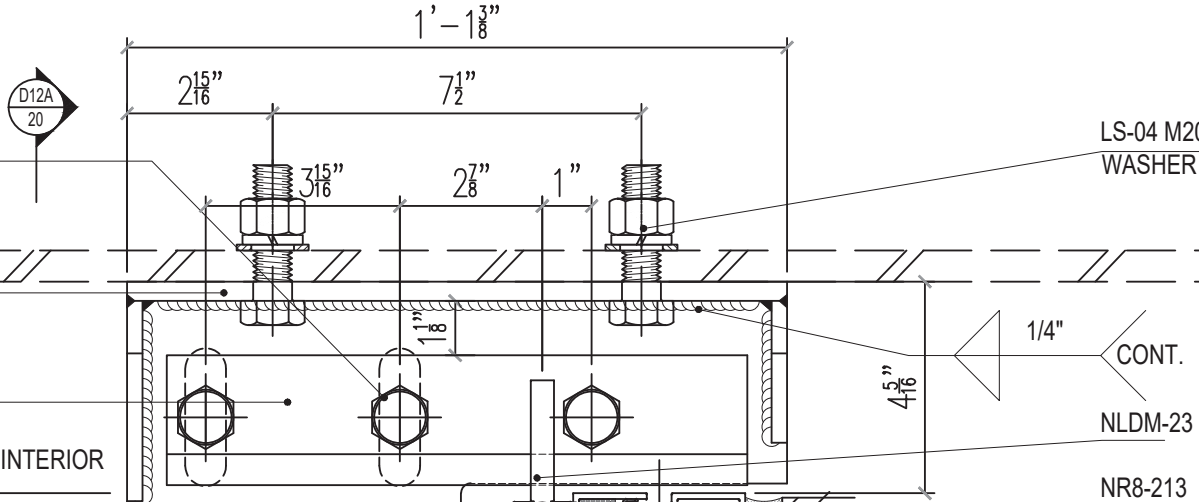
ZGD-02 4.8 X 16 PH ST/ST SELF TAPPING
SCREW (S.S.304) @ 15-3/4" O.C.

1/16" GALVANIZED SHEET

JS-01

HM-03 AIR-LOCKED SPONGE BAR

NR8-002 FEMALE MULLION



LS-04 M20 X 70 ST/ST MB WITH FLAT AND LOCK
WASHER (S.S.304)

PERIMETER SEAL

JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"

NLDM-23

NR8-213

LS-02 M12 X 40 ST/ST MB WITH NUT, FLAT AND LOCK
WASHER (S.S.304)

NR8-090

NL-10 PLASTIC CAP

JT-03 EPDM GASKET

CONCRETE, METAL OR
CONCRETE BLOCK

PM-02 1" BACKER ROD

DC983 (BLACK)

NR8-213 1/8" THK ALUM
FORMED BREAK METAL

NR8-108 CONT 1/8" THK ALUM ANGLE

DC983 (BLACK)

NR8-174

GJT-01 SILICONE SHEET

ZGD-04 4.8 X 16 FH SELF
TAPPING SCREW @
6-1/2" O.C.

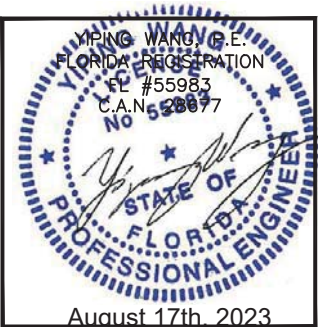
EXTERIOR

3/8" min
3/4" max

SEE TABLE

MODULE DIM.

D07
15
DETAIL
LEFT JAMB MULL
AT SPANDREL AREA



REV	NO.	DATE	DESCRIPTION
1	1	08.10.23	FBC 2023
2	2		
3	3		
4	4		

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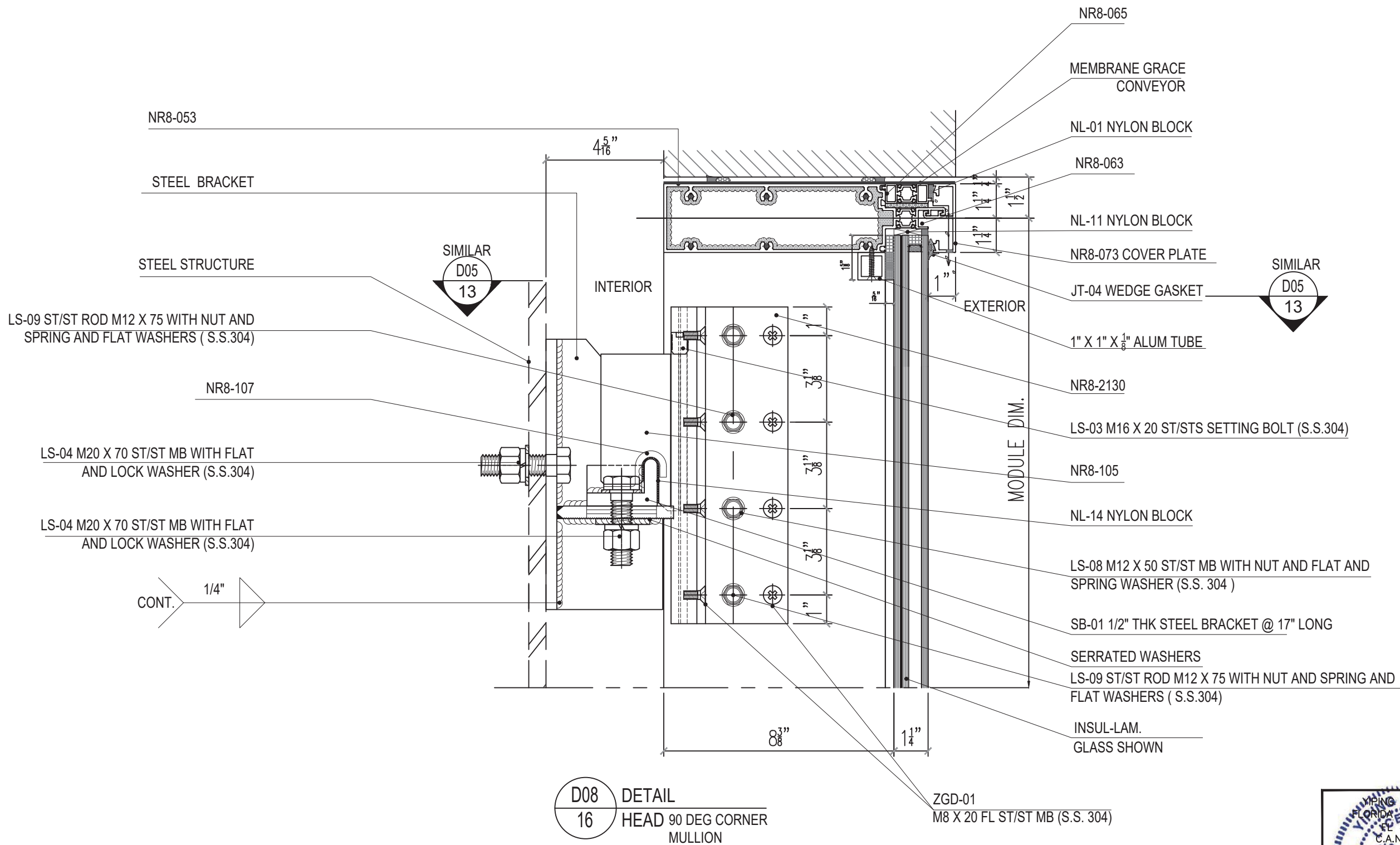
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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D07	
SHEET 15	

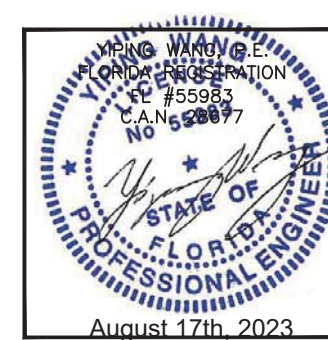
FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



D08
16

DETAIL
HEAD 90 DEG CORNER
MULLION

ZGD-01
M8 X 20 FL ST/ST MB (S.S. 304)



		REVISIONS	
NO.	DATE	DESCRIPTION	
R3	08.10.23	FBC 2023	

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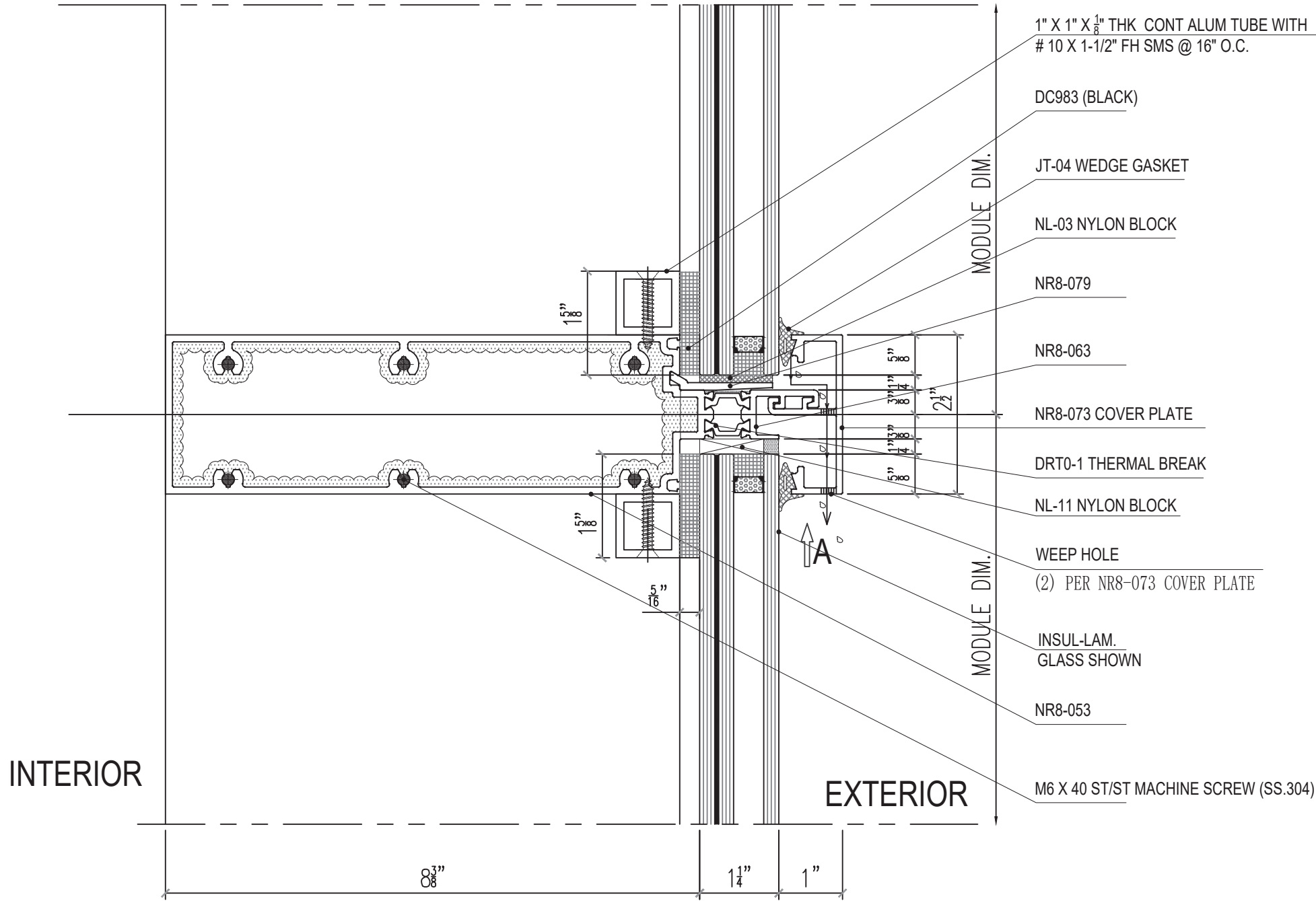
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)	
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4348 WESTROADS DRIVE WEST PALM BEACH, FL. 33407	
P: (561) 844 - 1121 F: (561) 844 - 6131	

FLORIDA APPROVAL:	
FL #20149.2	

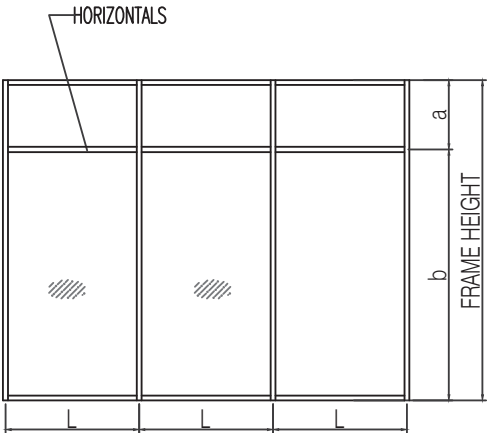
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.	
AD16-09	
D08	

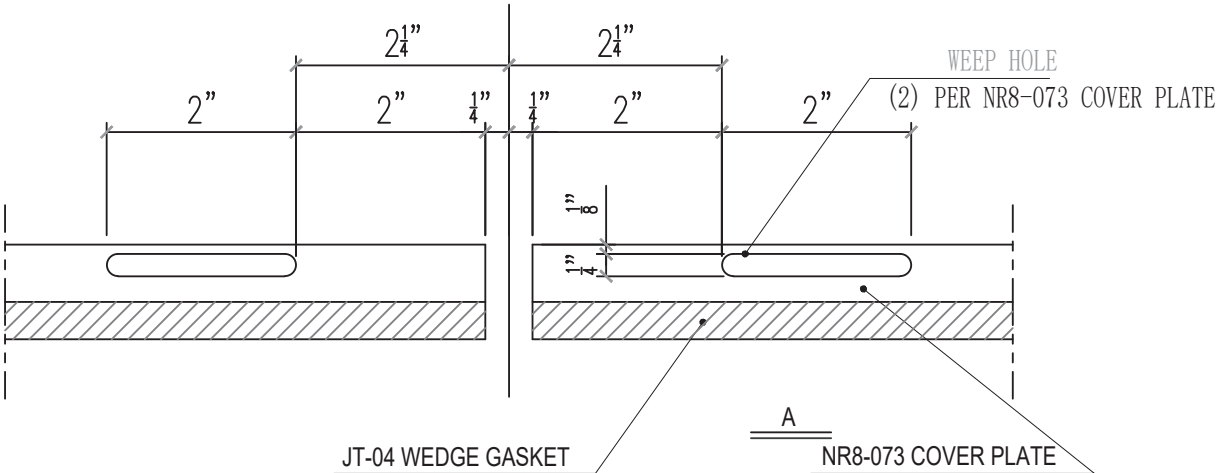
SHEET 16



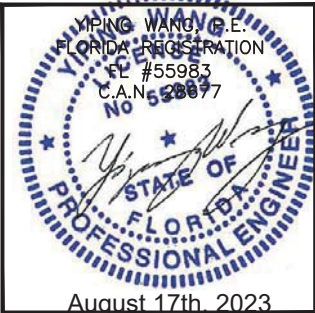
HORIZ. MULL (NR8-053) CAPACITY			
MULLION SPAN L (IN)	HEIGHT ABOVE a (IN)	HEIGHT BELOW b (IN)	DESIGN LOAD (PSF)
54-11/16	72	72	168.0



D09
17
DETAIL
TYP INTERM HORIZ



FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

MCY ENGINEERING, INC.
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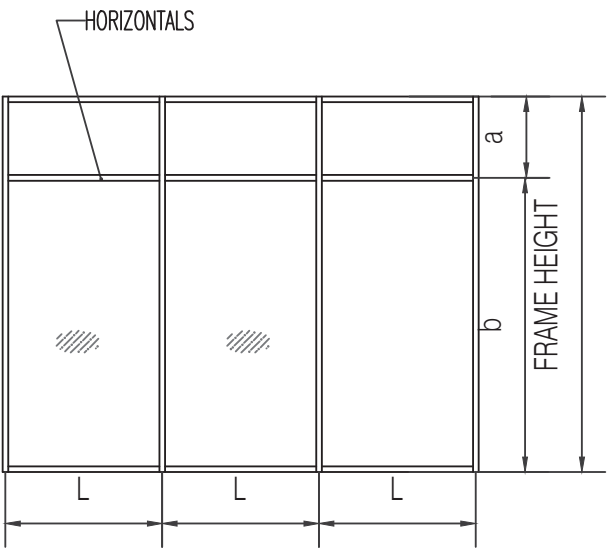
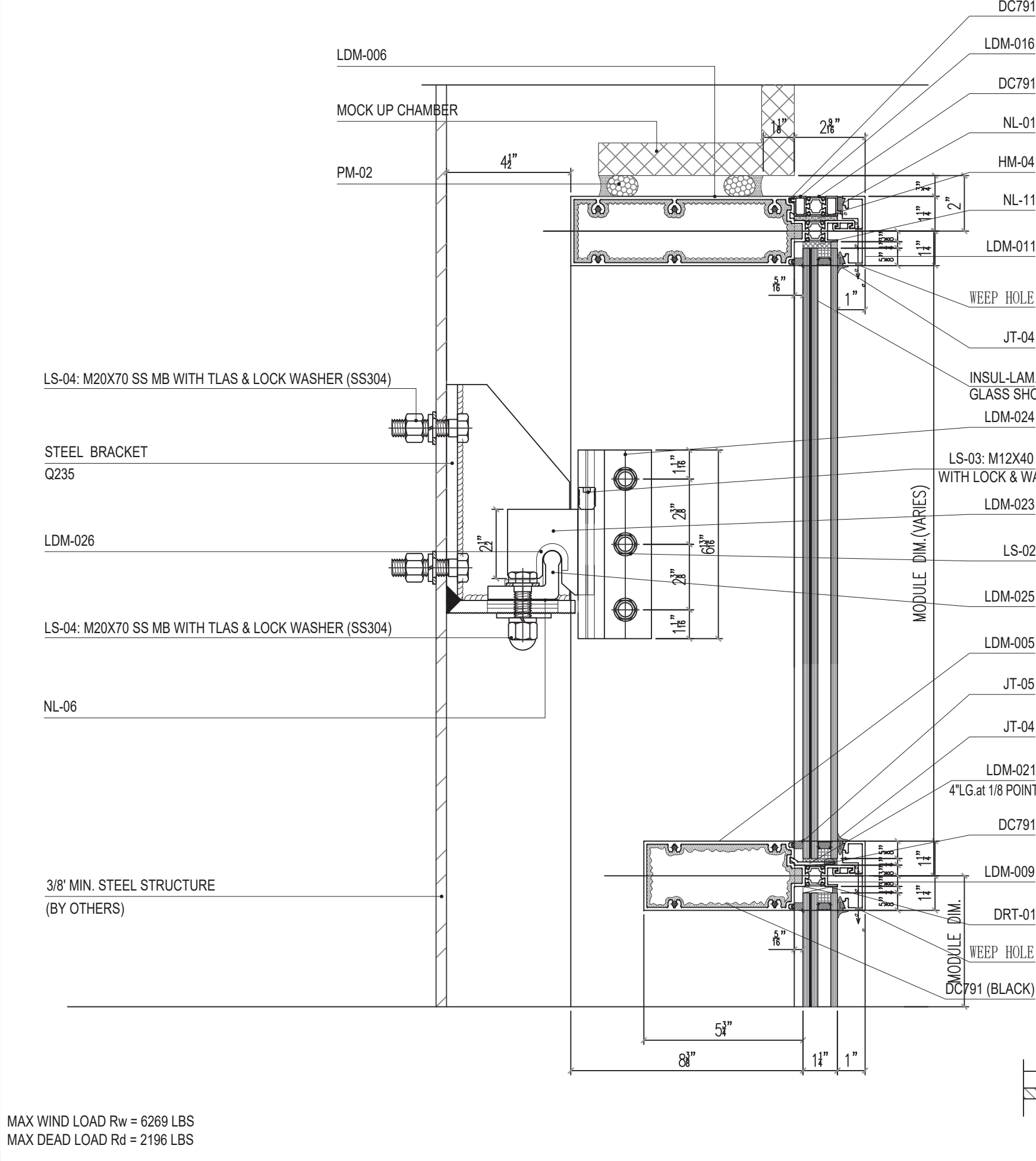
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SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D09	
SHEET 17	



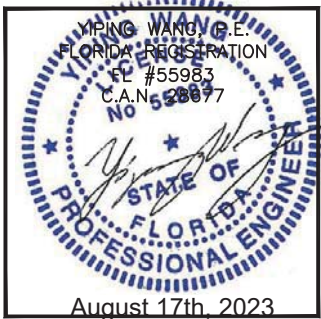
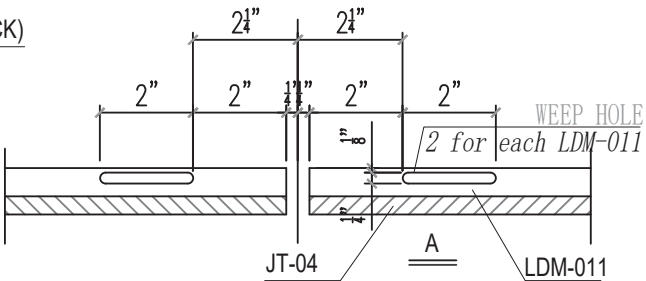
D09A
17A

DETAIL
SILL DETAIL

HORIZ. MULL (NR8-052) CAPACITY			
MULLION SPAN L (IN)	HEIGHT ABOVE a (IN)	HEIGHT BELOW b (IN)	DESIGN LOAD (PSF)
96	36	36	70.0
54-11/16	58 3/4	58 3/4	168.0

D09B
17A

DETAIL
SILL DETAIL



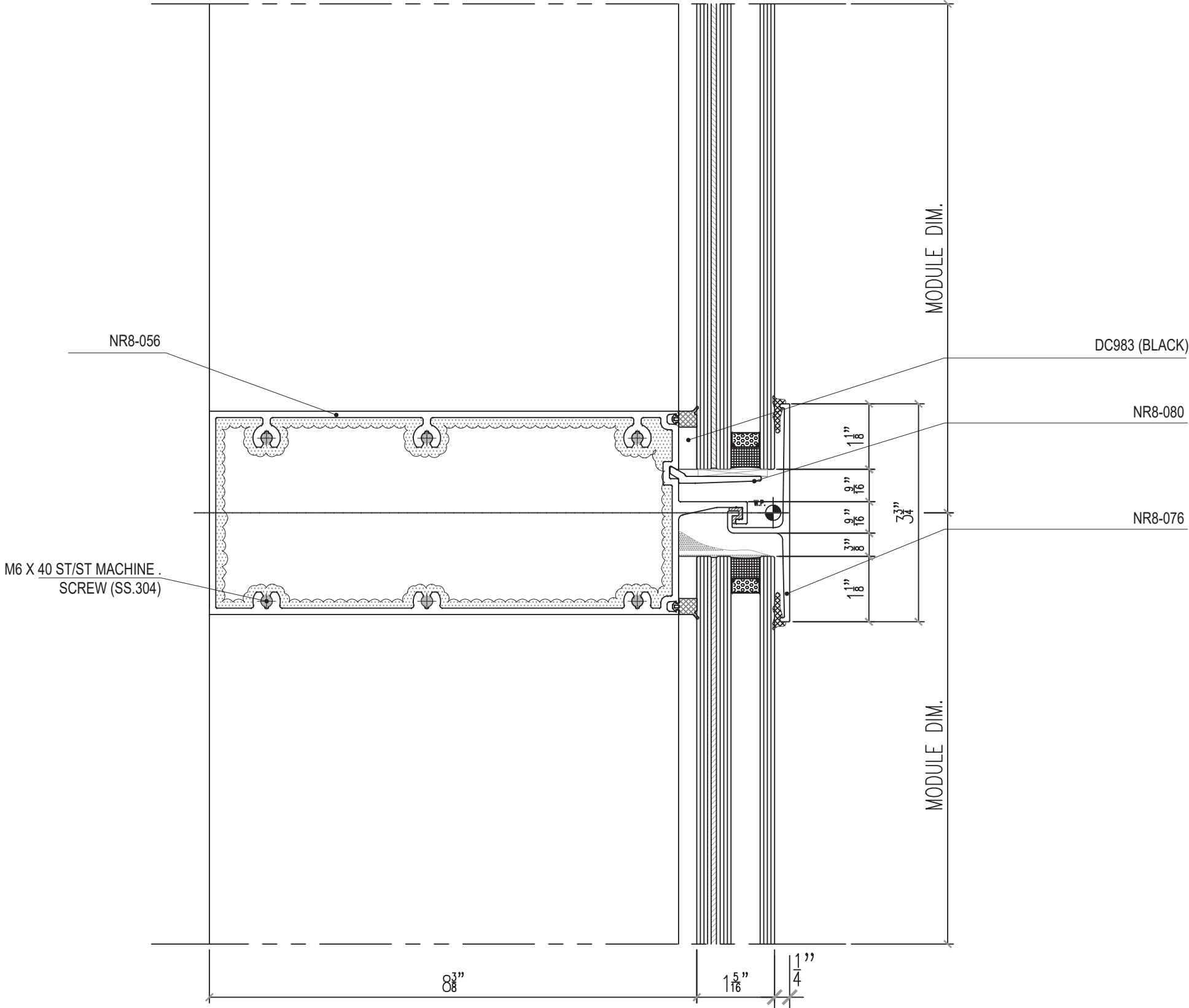
REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

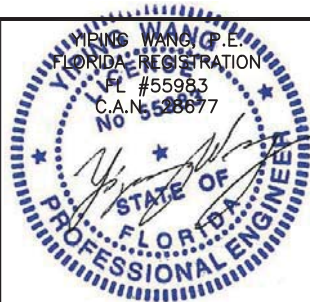
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)	
N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D09A	
SHEET 17A	



D09C DETAIL
17B TYP INTERM HORIZ



August 17th, 2023

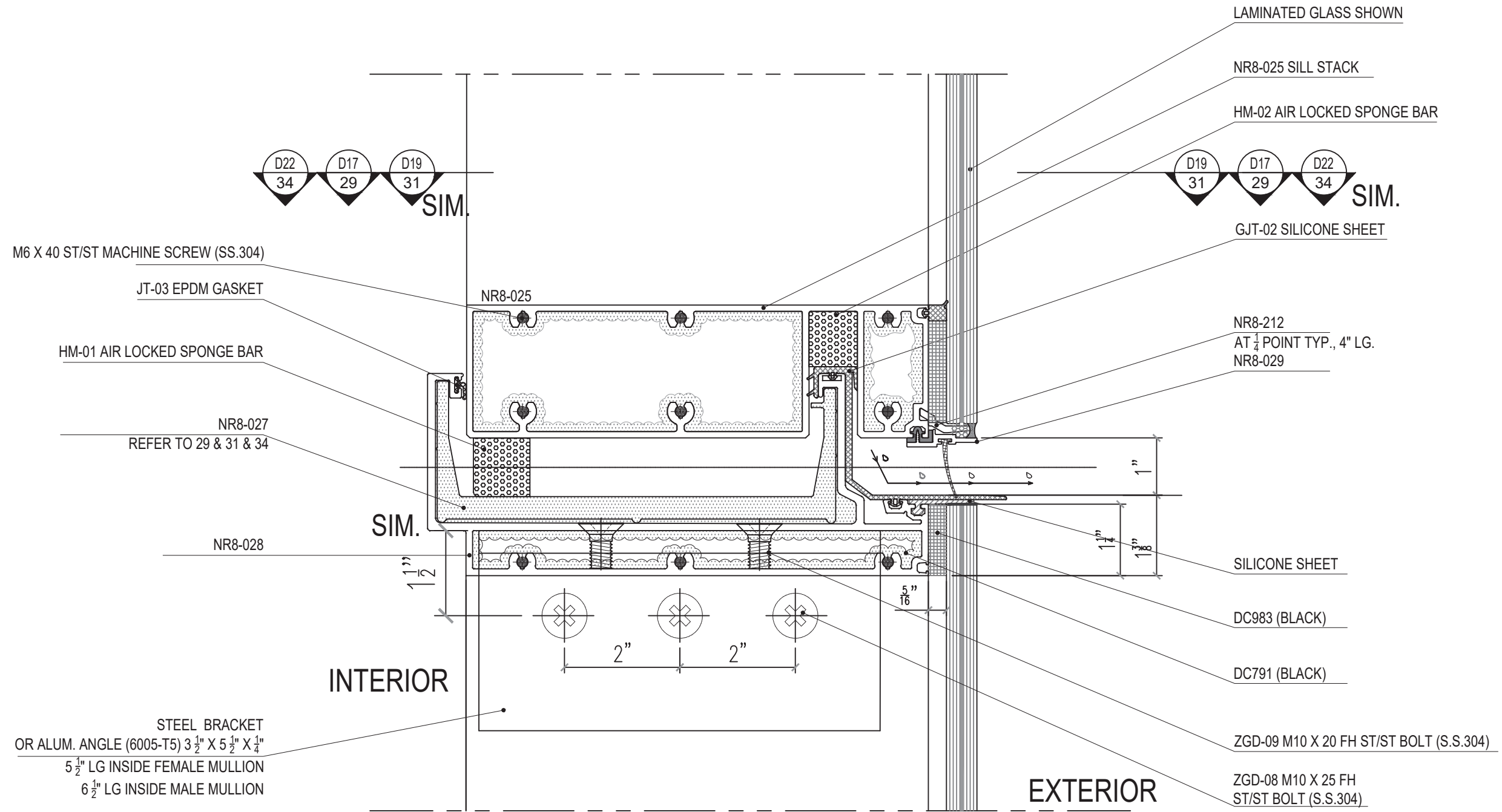
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)
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FLORIDA APPROVAL FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D09C	
SHEET 17B	

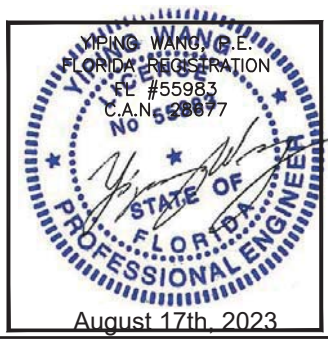
MCY

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REVISIONS	
NO.	DATE DESCRIPTION
R3	08.10.23 FBC 2023



D10A
18A
DETAIL
STACK JOINT



REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

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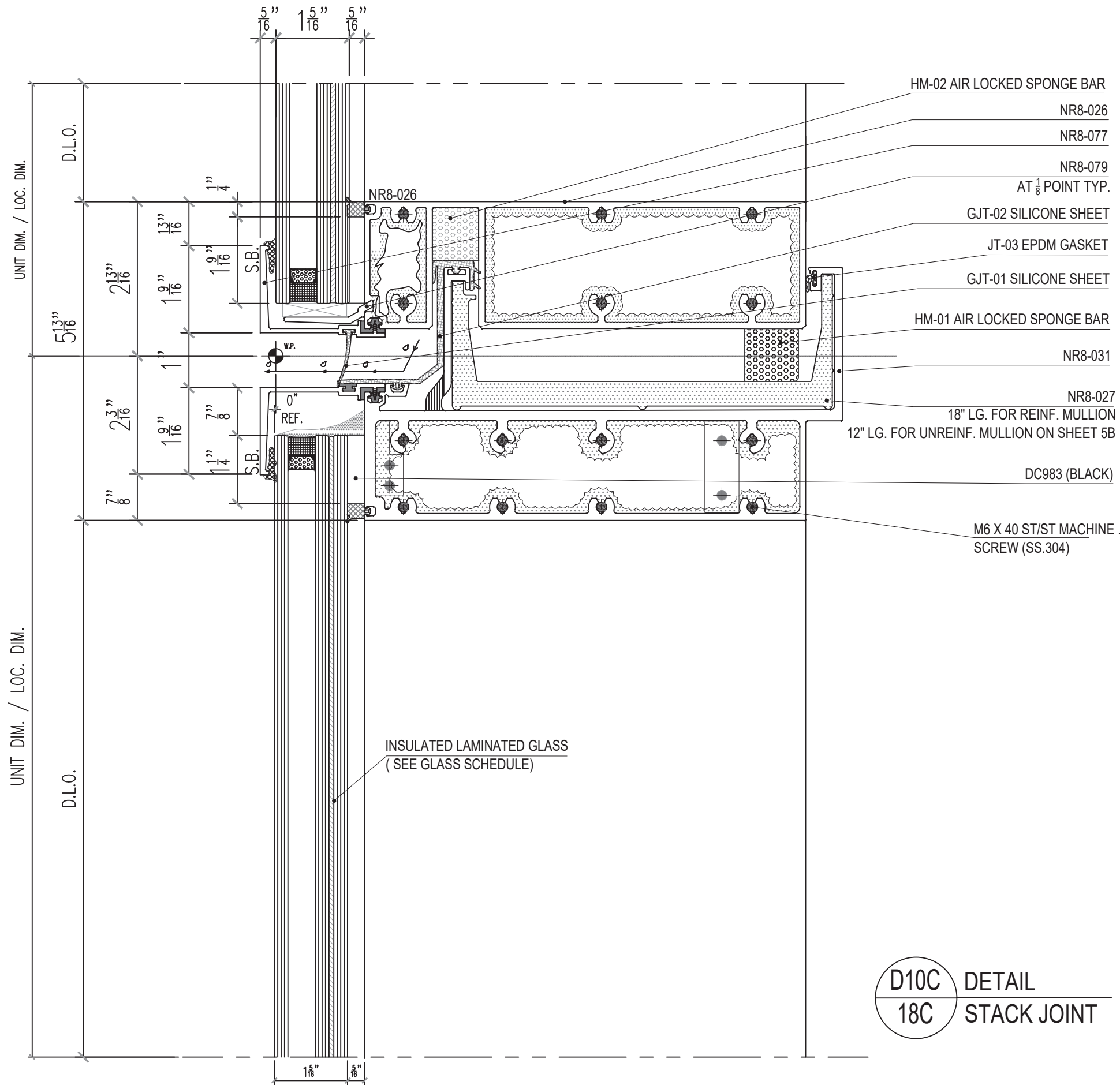
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FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

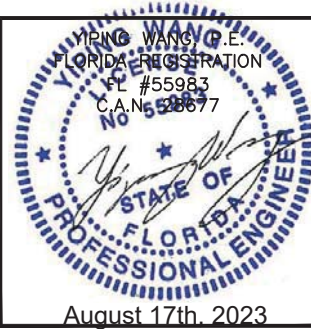
DRAWING NO.
AD16-09
D10A

SHEET 18A



D10C
18C

DETAIL
STACK JOINT



August 17th, 2023

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

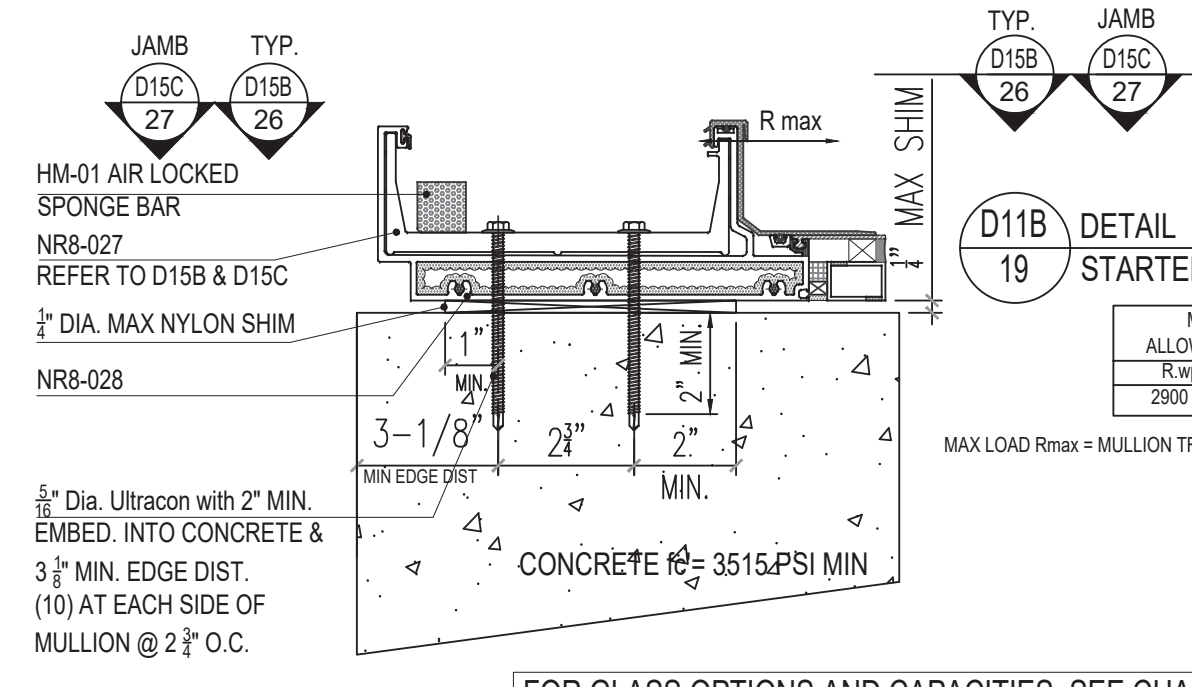
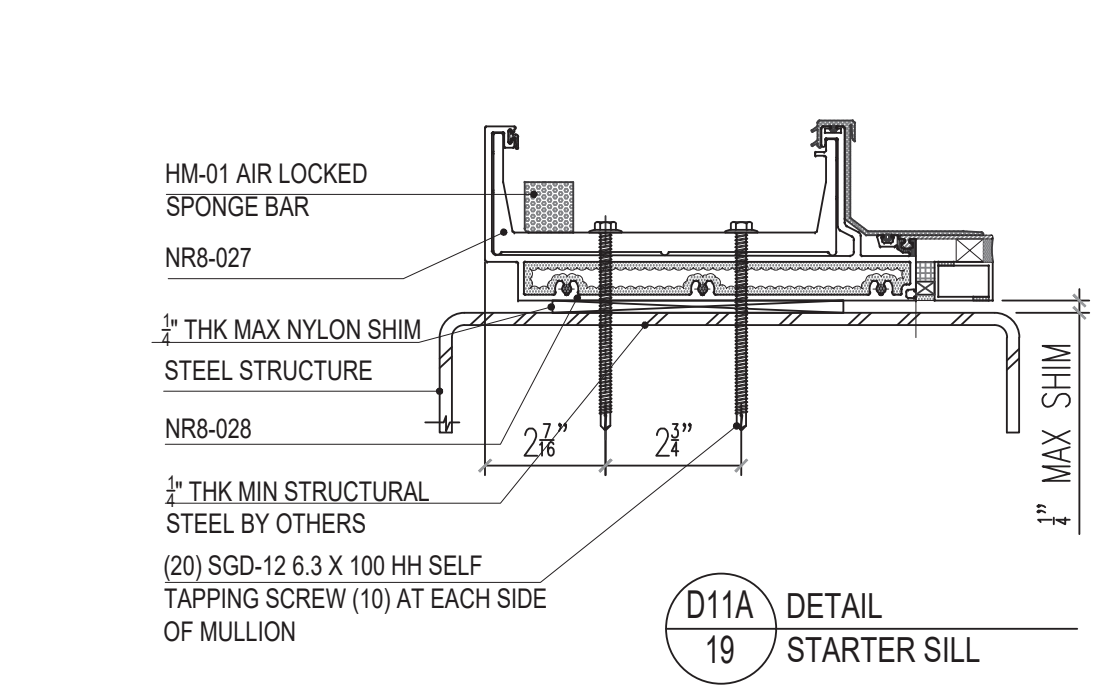
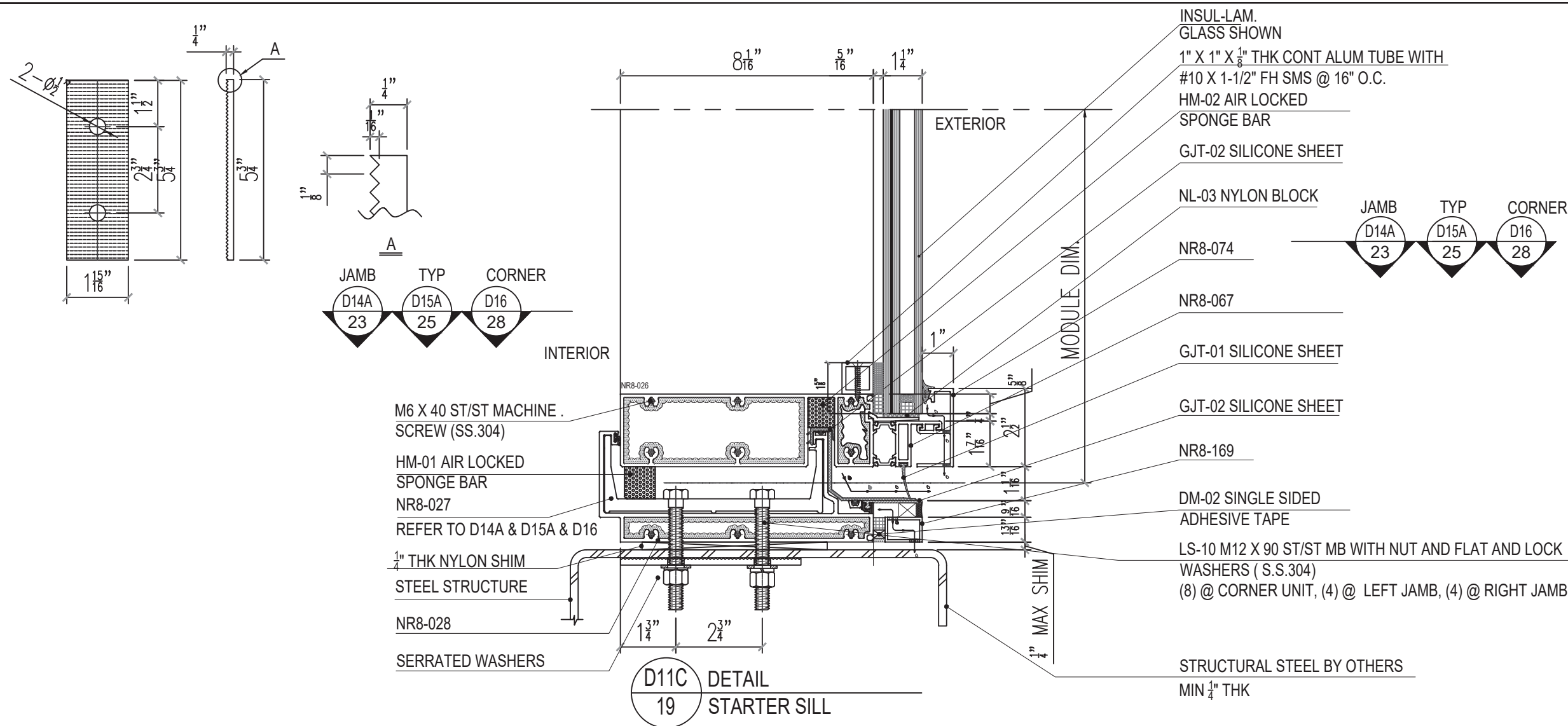
N.R. ARCHITECTURAL PRODUCTS, INC.
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WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D10C	
SHEET 18C	

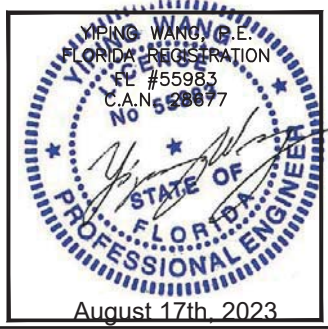
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www.MCYEngineering.com MCY@mcyengineering.com

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	



FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

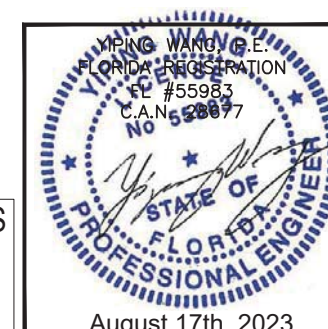


REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

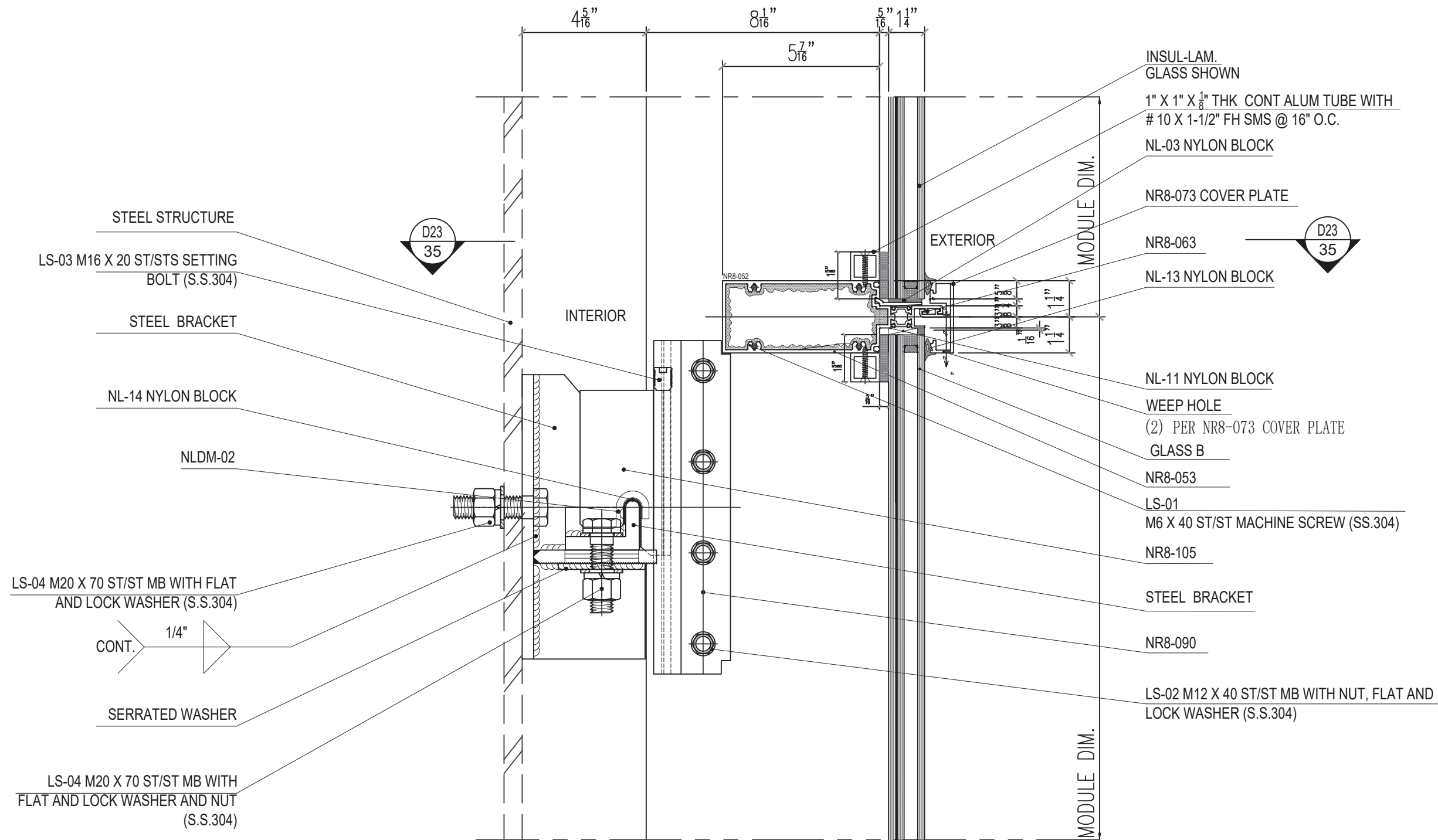
MCY ENGINEERING, INC. GLAZING CONSULTANTS	
12781 MIRAMAR PARKWAY #301 MIAMI, FL 33183 P: 305.271.0117 F: 305.588.5224 www.MCYEngineering.com	MCY@mcyengineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.) N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
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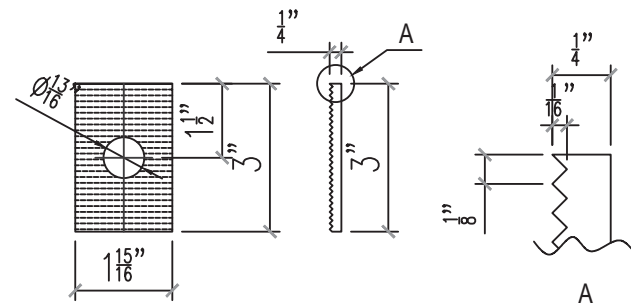
FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D11	
SHEET 19	



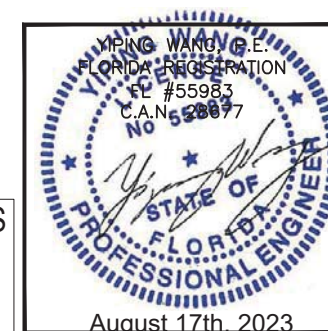
		MCY ENGINEERING, INC. GLAZING CONSULTANTS		12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIAMI, FL 33183 F: 305.588.5224 www.MCYEngineering.com MCY@mcyengineering.com	
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)		N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL. 33407 P: (561) 844 - 1121 F: (561) 844 - 6131		FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023	SCALE	AS NOTED	DRAWN	James
PROJECT	MCY16-022				
DRAWING NO. AD16-09 D12A					
SHEET 20					
REVISIONS					
NO.	DATE	DESCRIPTION			
R3	08.10.23	FBC 2023			



D12B
20A
DETAIL
INTERM HORIZ W/ ANCHOR



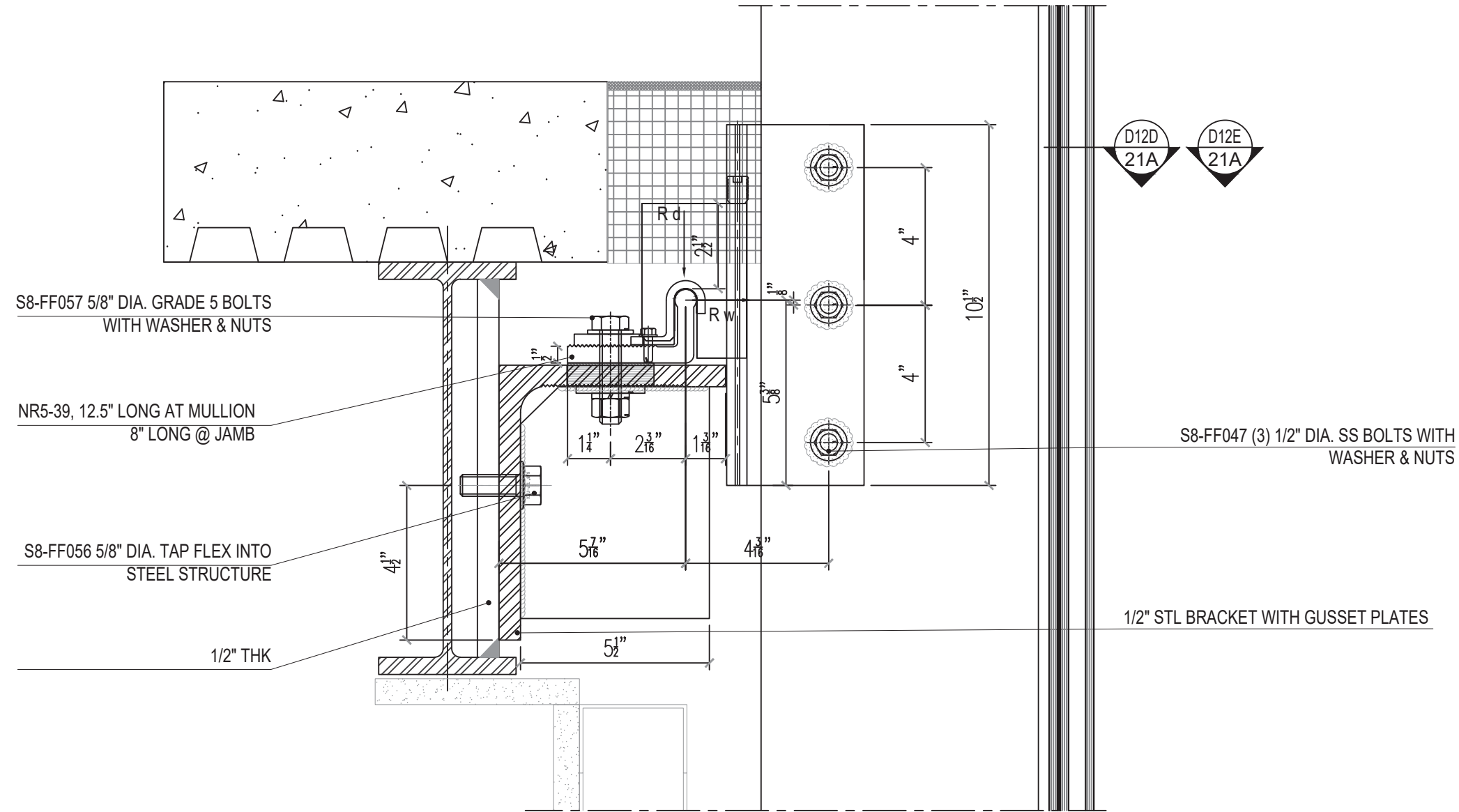
FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	
R3	08.10.23	FBC 2023	

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SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.) N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D12B	
SHEET 20A	



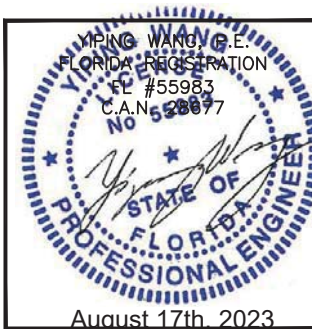
MAX. WIND LOAD: R_w : =7500lbf
MAX. DEAD LOAD: R_d : =1200lbf

D12C
21

DETAIL

D12D
21A

D12E
21A



August 17th, 2023

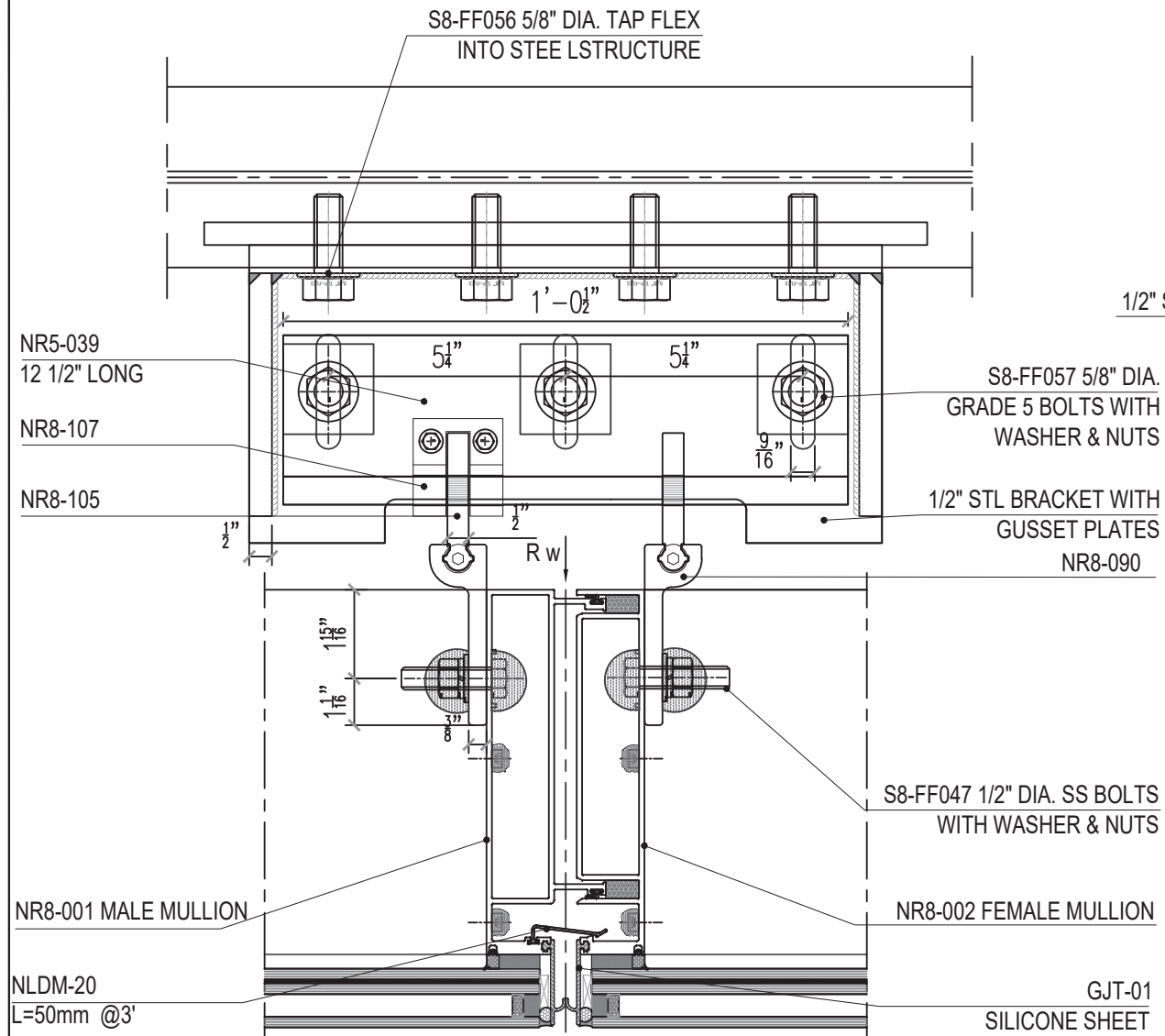
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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D12C	
SHEET 21	

MCY ENGINEERING, INC.
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12781 MIRAMAR PARKWAY #301 P: 305.271.0117
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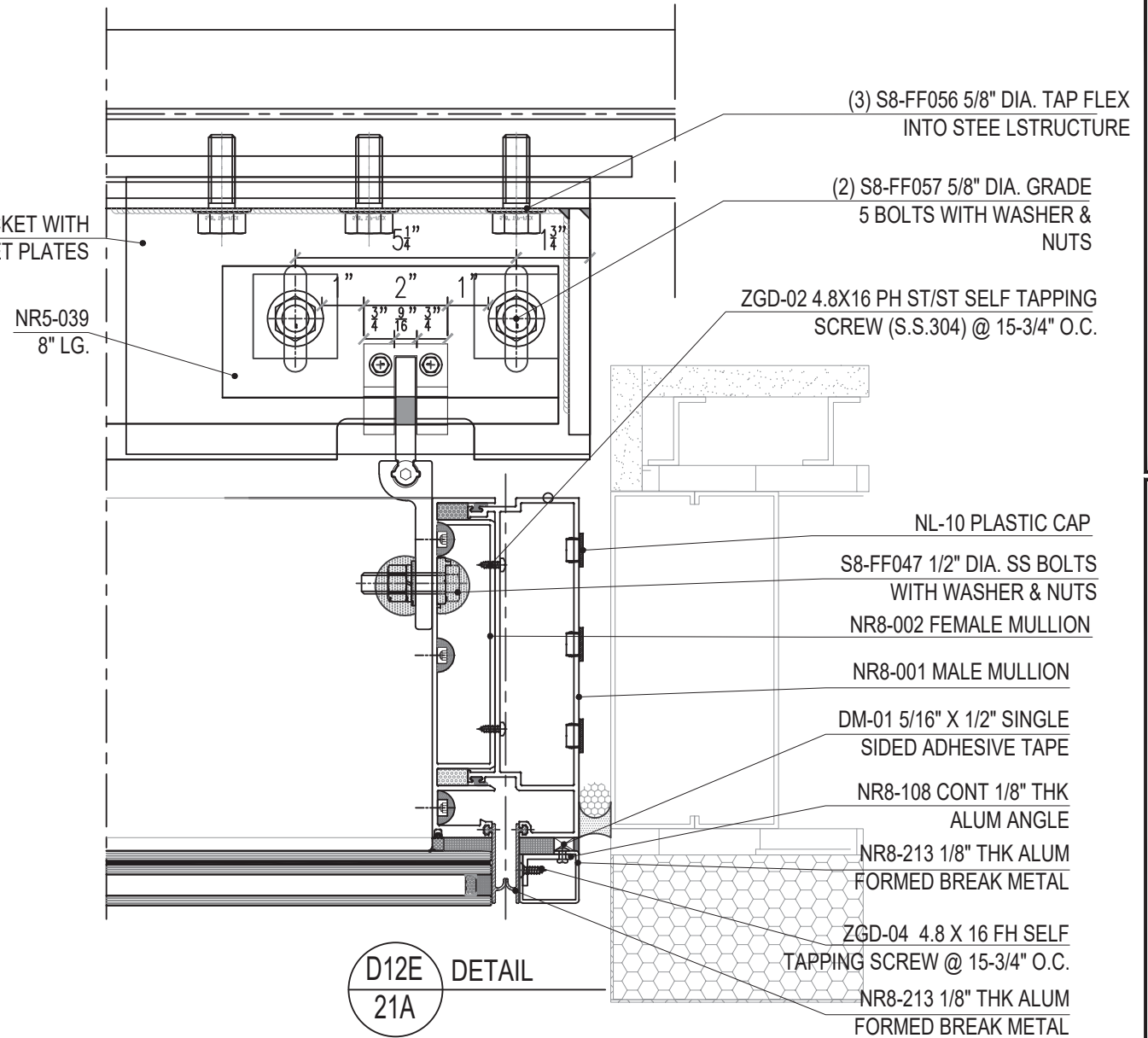
M C Y

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	



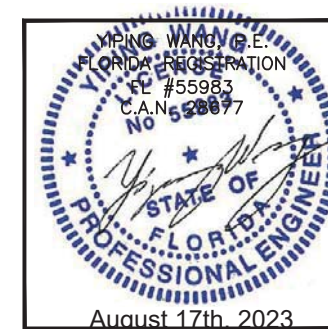
D12D
21A

MAX. WIND LOAD: R_w = 7500lbf
MAX. DEAD LOAD: R_d = 1200lbf



D12E
21A

MAX. WIND LOAD: R_w = 3750lbf
MAX. DEAD LOAD: R_d = 600 lbf



REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

MCY

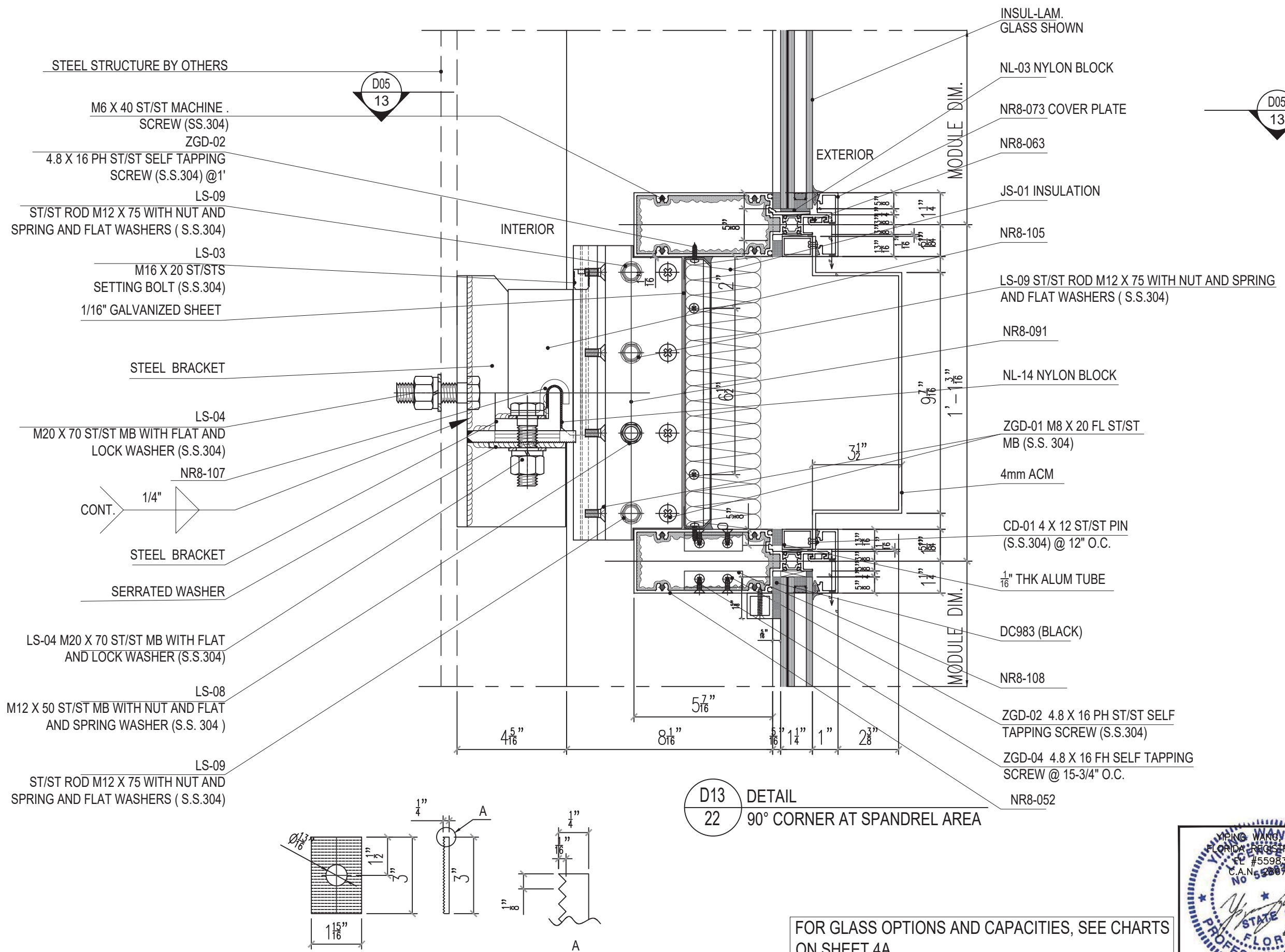
MCY ENGINEERING, INC.
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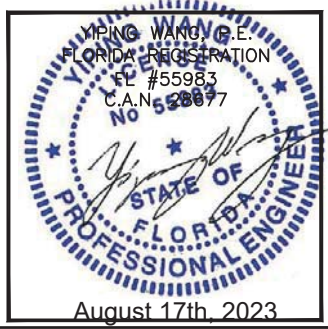
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FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
D12D	
SHEET 21A	



D13
22
DETAIL
90° CORNER AT SPANDREL AREA

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DATE
R3	08.10.23
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FBC 2023	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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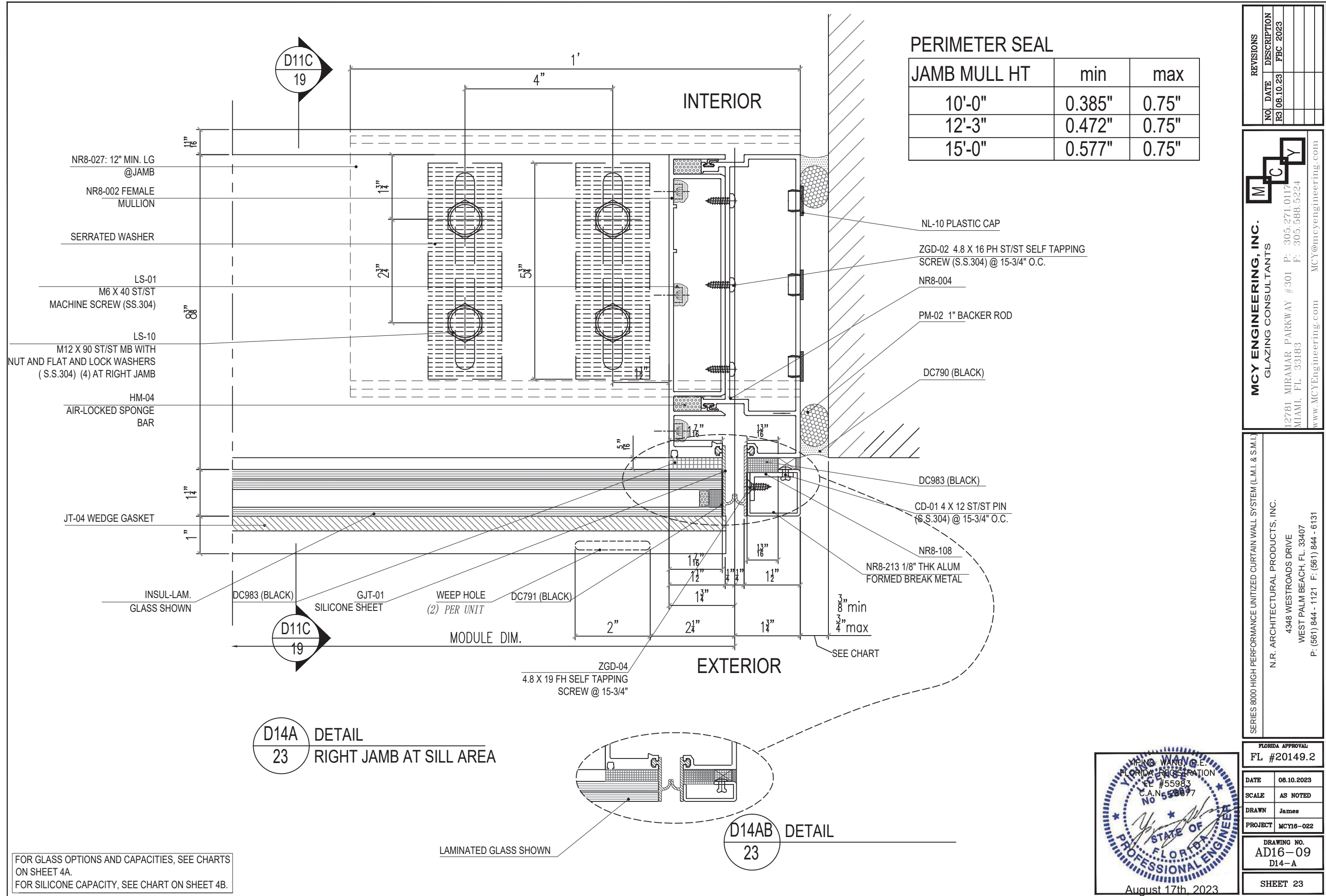
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FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
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DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D13

SHEET 22



REVISIONS		NO.	DATE	DESCRIPTION
		R3	08.10.23	FBC 2023

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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
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DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D14-A	
SHEET 23	

YOUNG WANG
PENG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 288677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 17th, 2023

PERIMETER SEAL

JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"

ZGD-02 4.8 X 16 PH ST/ST SELF TAPPING SCREW
(S.S.304) @ 15-3/4" O.C.

CONCRETE, METAL
OR CONCRETE BLOCKS

NL-10 PLASTIC CAP

SERRATED WASHER

NR8-004

DC983 (BLACK)

NR8-108

CD-01 4 X 12 ST/ST PIN
(S.S.304) @ 15-3/4" O.C.

GRACE VYCOR
MEMBRANE

NR8-213
1/8" THK ALUM FORMED BREAK METAL

SEE CHART

EXTERIOR

INTERIOR

D11C
19

D11C
19

D14B
24

DETAIL
LEFT JAMB AT SILL AREA

D14BA
24

DETAIL
LEFT JAMB AT SILL AREA

LAMINATED GLASS
SHOWN

MODULE DIM.

DC791 (BLACK)
ZGD-04 4.8 X 16 FH SELF
TAPPING SCREW @
15-3/4" O.C.

GJT-01 SILICONE
SHEET

DC983 (BLACK)

INSUL-LAM.
GLASS SHOWN

JT-04 WEDGE GASKET

HM-03 AIR-LOCKED
SPONGE BAR

LS-10 M12 X 90 ST/ST MB
WITH NUT AND FLAT AND
LOCK WASHERS (S.S.304)
(4) @ EACH JAMB

LS-01
M6 X 40 ST/ST MACHINE
SCREW (SS.304)

NR8-002 FEMALE
MULLION

NR8-027: 12" MIN. LG
@ JAMB

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FLORIDA APPROVAL:
FL #20149.2

DATE 08.10.2023

SCALE AS NOTED

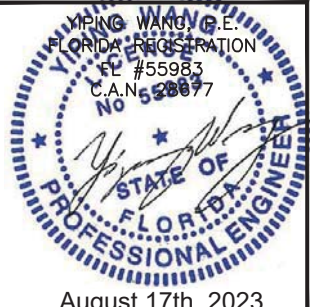
DRAWN James

PROJECT MCY16-022

DRAWING NO.
AD16-09
D14-B

SHEET 24

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

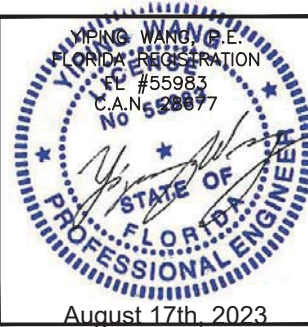


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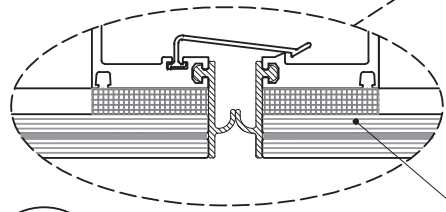
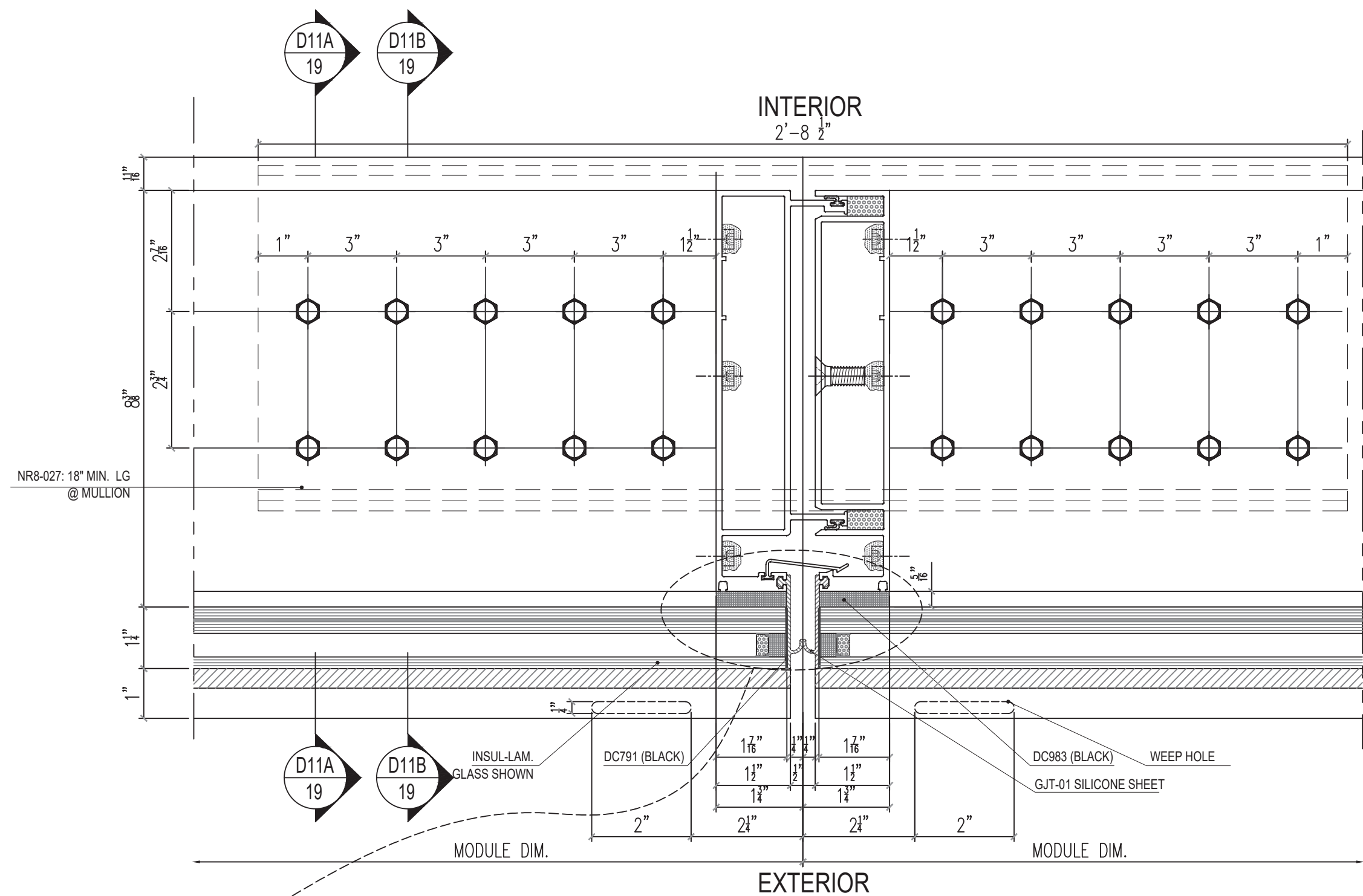
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DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D15-A	
SHEET 25	

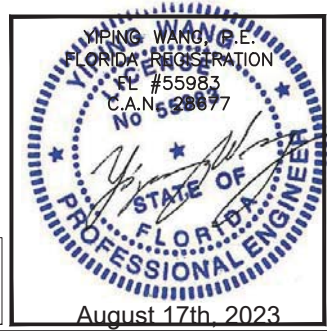
FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



D15BA
26
DETAIL
INTERM MULLION AT SILL AREA

D15B
26
DETAIL
MULLION AT SILL AREA

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DATE
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FBC 2023	

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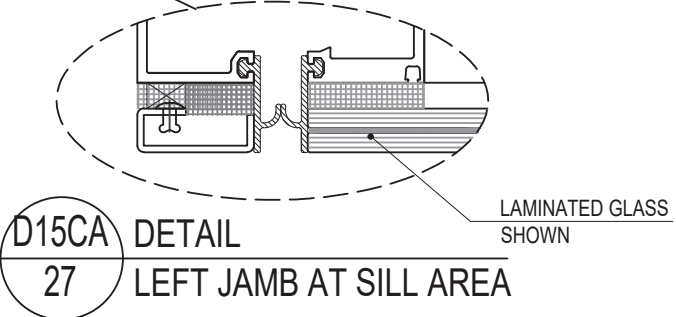
M C Y

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FL #20149.2	
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DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
D15-B	
SHEET 26	



JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"

D15C DETAIL
27 LEFT JAMB AT SILL AREA

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



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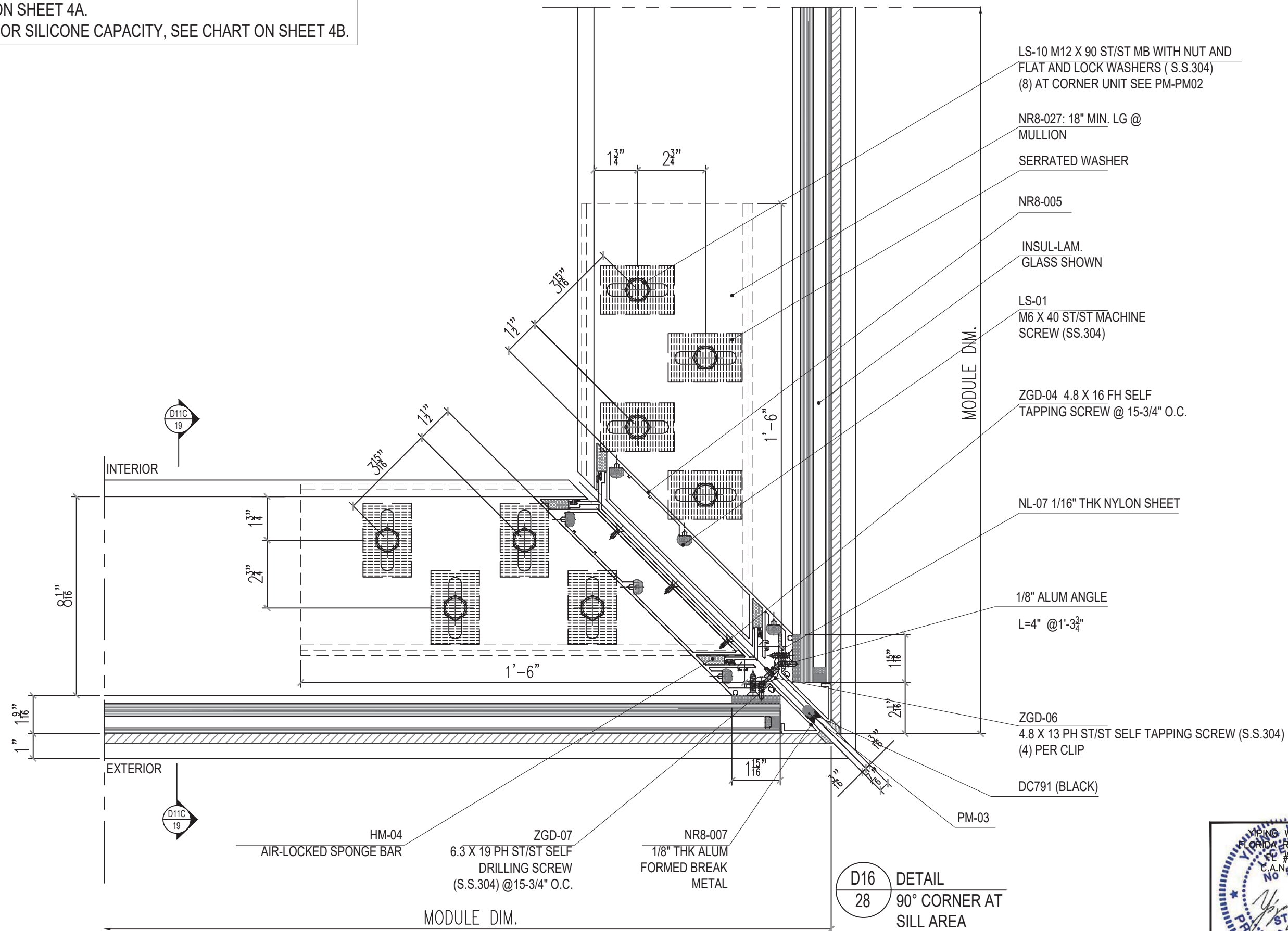
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SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

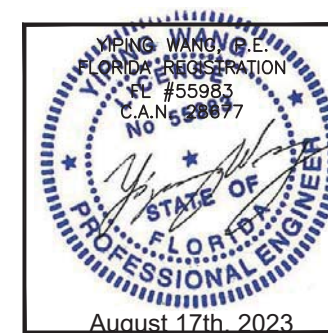
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL. 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D15-C	
SHEET 27	

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



D16	DETAIL
28	90° CORNER AT SILL AREA



REVISIONS	
NO.	DATE DESCRIPTION
R3	08.10.23 FBC 2023

M

C

Y

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224

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MCY ENGINEERING, INC.

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FLORIDA APPROVAL:

FL #20149.2

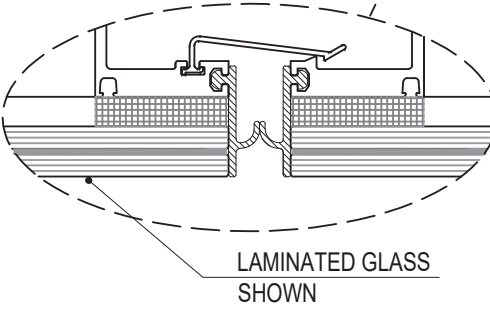
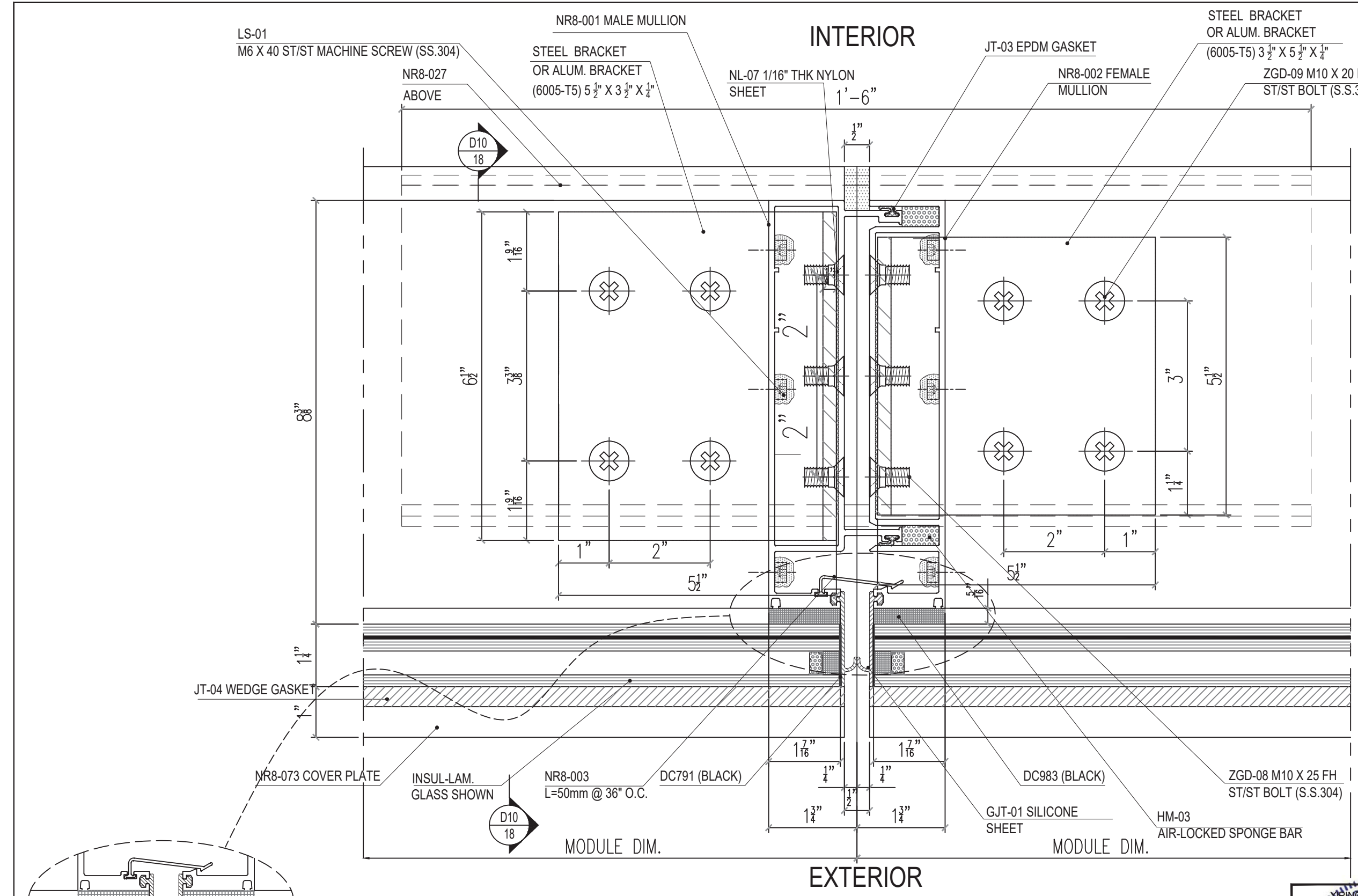
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY18-022

DRAWING NO.

AD16-09

D16

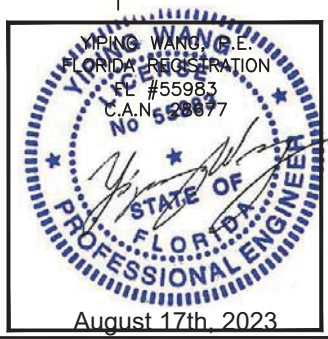
SHEET 28



D17A
29
DETAIL

D17
29
DETAIL
INTERM VERT. MULLION AT STACK JOINT
FOR REINF. MULLION OPTION ON SHEET 5
& 5A

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISONS	
NO.	DATE
R3	08.10.23

DESCRIPTION	
	FBC 2023

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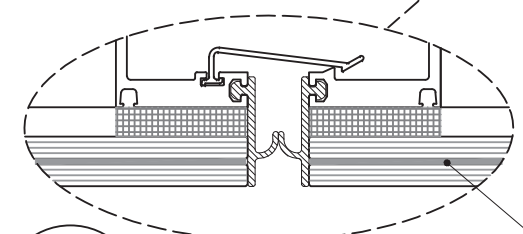
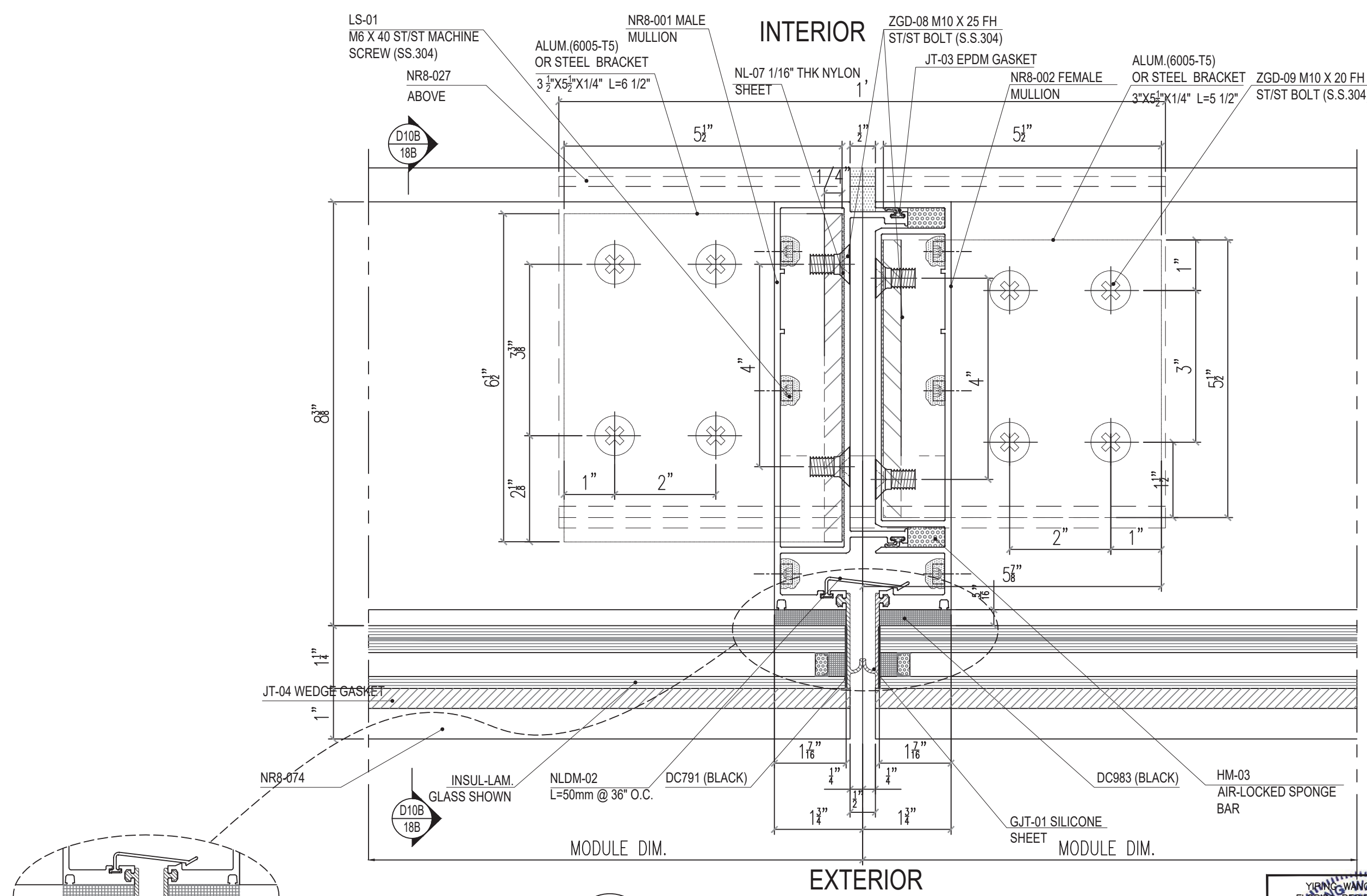
N.R. ARCHITECTURAL PRODUCTS, INC.
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WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D17

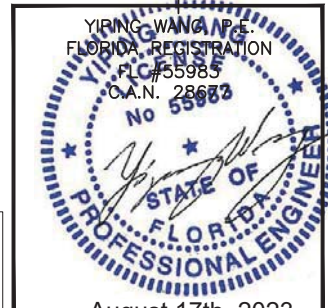
SHEET 29



D17A
29A
DETAIL
INTERM VERT. MULLION
AT STACK JOINT

D17A
29A
DETAIL
INTERM VERT. MULLION
AT STACK JOINT
FOR UN-REINF. MULLION OPTION
ON SHEET 5B

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 PBC 2023

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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D17A	
SHEET 29A	

August 17th, 2023

STEEL MEMBER

A36 $\frac{1}{8}$ " THK MIN

STEEL PLATE

3"X5"X $\frac{1}{4}$ " SEE PM02-D

D24
36

$\frac{1}{4}$ " THK MAX NYLON SHIM

INTERIOR

ZGD-12 M6.3 X 100 HH ST/ST
SELF DRILLING SCREW
(S.S. 304) (10) FOR EACH UNIT
@2" O.C

ZGD-11 M6 X 16 FH ST/ST
MB (S.S. 304)
(6) PER PLATE
NL-10 PLASTIC CAP

NR8-053

NR8-065

MEMBRANE GRACE
CONVEYOR

NL-01 NYLON BLOCK

D24
36

NL-11 NYLON BLOCK

NR8-073 COVER PLATE

JT-04 WEDGE GASKET

INSUL-LAM.
GLASS SHOWN

D18
30

DETAIL
HEAD

MODULE DIM.

OPTION A

CONCRETE SUBSTRATE

$\frac{1}{4}$ " THK MAX NYLON
SHIM

$\frac{5}{16}$ " DIA. ULTRACON W/ $1\frac{3}{4}$ " MIN.
EMBED. INTO CONCRETE &
 $3\frac{1}{8}$ " MIN. EDGE DIST.
(5) AT EACH SIDE OF MULLION
@ 2" O.C.

MAX LOAD Rmax = 3140 LBS

MAX LOAD Rmax = MULLION TRIB WIDTH x FRAME HEIGHT X DESIGN LOAD / 2

CONCRETE $f_c' = 3515$ psi min

$\frac{3}{8}$ " MIN.

D18A
30

DETAIL
HEAD (OPTIONAL)

INSUL-LAM.
GLASS SHOWN

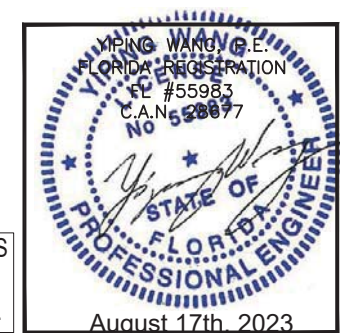
FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

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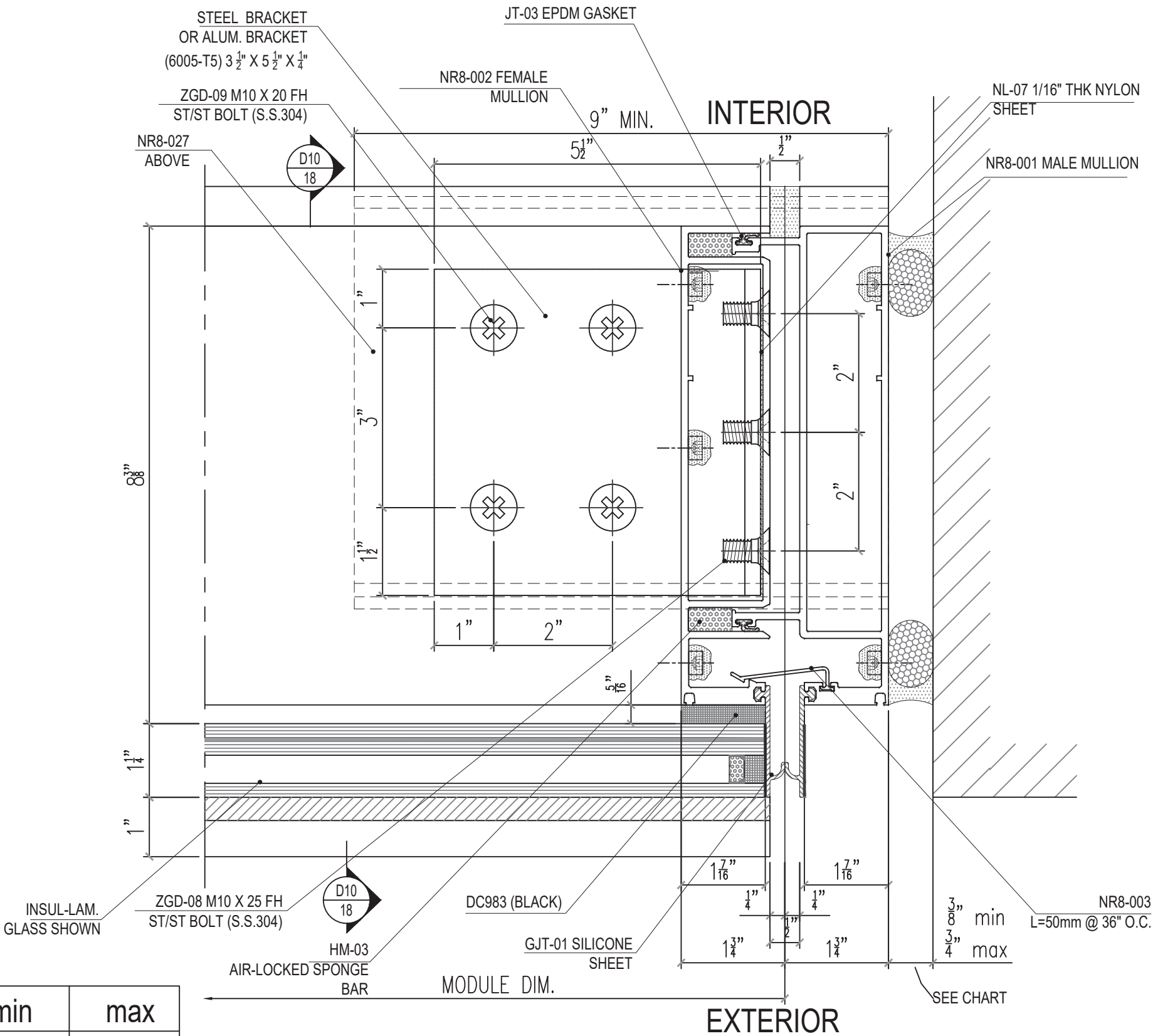
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)	
N.R. ARCHITECTURAL PRODUCTS, INC.	
4348 WESTROADS DRIVE	
WEST PALM BEACH, FL 33407	
P: (561) 844 - 1121 F: (561) 844 - 6131	

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D18	
SHEET 30	



PERIMETER SEAL

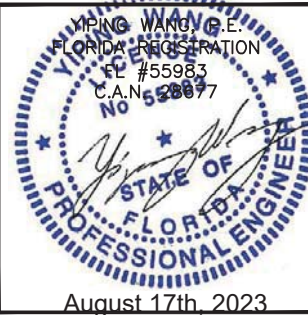
JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"
20'-0"	0.750"	1.00"



D19
31

DETAIL
RIGHT JAMB AT STACK JOINT
FOR REINF. MULLION OPTION ON
SHEET 5 & 5A

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISONS

NO.	DATE	DESCRIPTION
R3	08.10.23	FBC 2023

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FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D19

SHEET 31

PERIMETER SEAL

JAMB MULL HT	min	max
10'-0"	0.385"	0.75"
12'-3"	0.472"	0.75"
15'-0"	0.577"	0.75"

NR8-002 FEMALE
MULLION

3 1/2" X 5 1/2" X 1/4" LG. STEEL BRACKET
OR ALUM. ANGLE (6005-T5)

5 1/2" LG. INSIDE FEMALE MULLION

6 1/2" LG. INSIDE MALE MULLION

LS-01

M6 X 40 ST/ST MACHINE
SCREW (SS.304)

ZGD-08 M10 X 25 FH
ST/ST BOLT (S.S.304)

NR8-027

HM-03 HM-04
AIR-LOCKED SPONGE
BAR

JT-03 EPDM GASKET

JT-04 WEDGE GASKET

INSUL-LAM.
GLASS SHOWN

NR8-074

WEEP HOLE

DC983 (BLACK)

DC791 (BLACK)

GJT-01 SILICONE
SHEET

NR8-213 1/8" THK ALUM
FORMED BREAK METAL

ZGD-04 4.8 X 16 FH
SELF TAPPING SCREW
@ 15-3/4" O.C.

DC983 (BLACK)

CD-01 4 X 12 ST/ST PIN
(S.S.304) @ 15-3/4" O.C.

NR8-108

NR8-004

PM-02 1" BACKER ROD

DC790 (BLACK)

NL-10 PLASTIC CAP

ZGD-02 4.8 X 16 PH ST/ST SELF TAPPING
SCREW (S.S.304) @ 15-3/4" O.C.

INTERIOR

EXTERIOR

MODULE DIM.

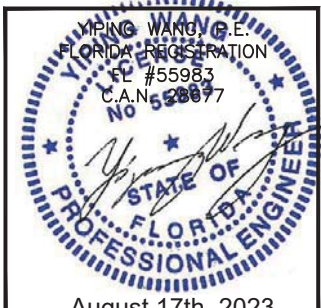
D19

31A

DETAIL

RIGHT JAMB AT STACK JOINT

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

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4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D19A	
SHEET 31A	

D20
32

DETAIL
90° CORNER ISOMETRIC

NR8-007 1/8" THK ALUM
FORMED BREAK METAL

NR8-073 COVER PLATE

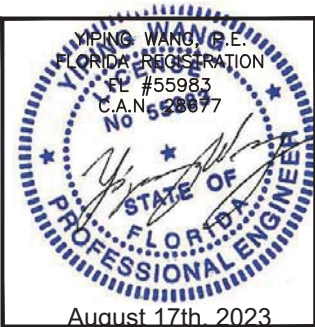
NR8-006



NR8-005

4mm ACM

GLASS A OR B



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P: (561) 844 - 1121 F: (561) 844 - 6131

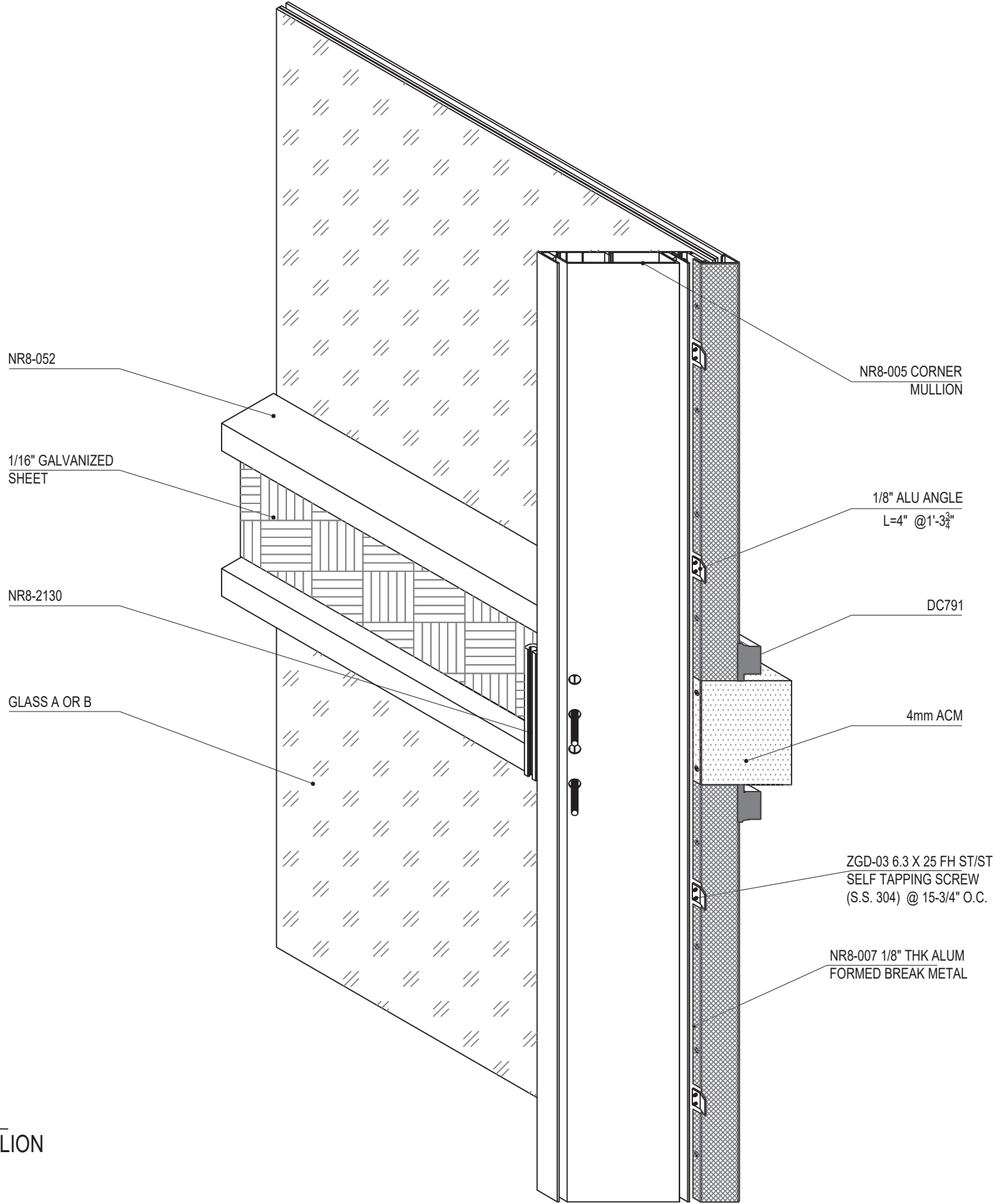
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REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D20	
SHEET 32	

D21
33

DETAIL
FEMALE 90° CORNER MULLION
ISOMETRIC

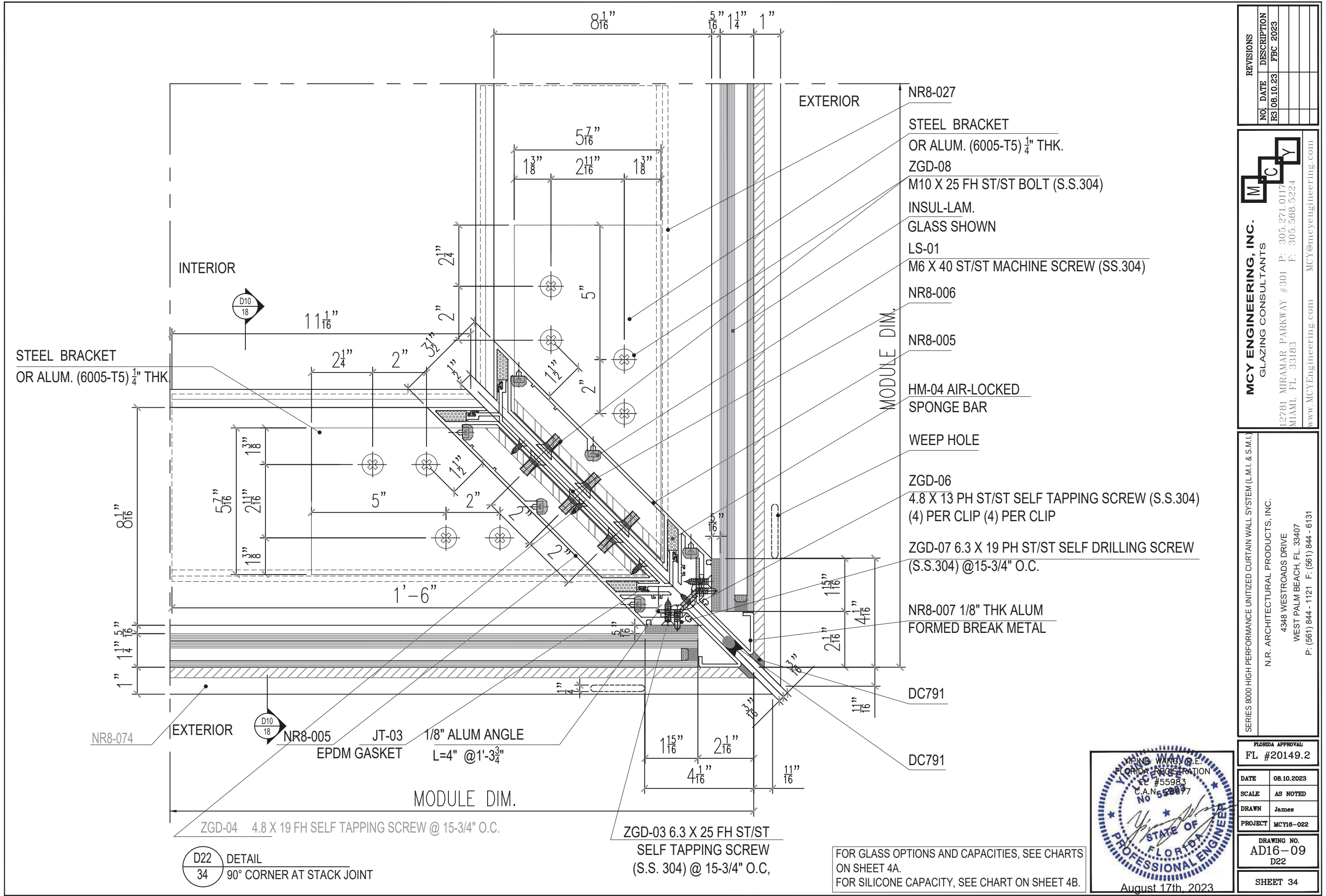


FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D21	
SHEET 33	

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NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	



REVISIONS	
NO.	DATE
1	08.10.23
2	08.10.23
3	08.10.23
4	08.10.23
5	08.10.23
6	08.10.23
7	08.10.23
8	08.10.23
9	08.10.23
10	08.10.23

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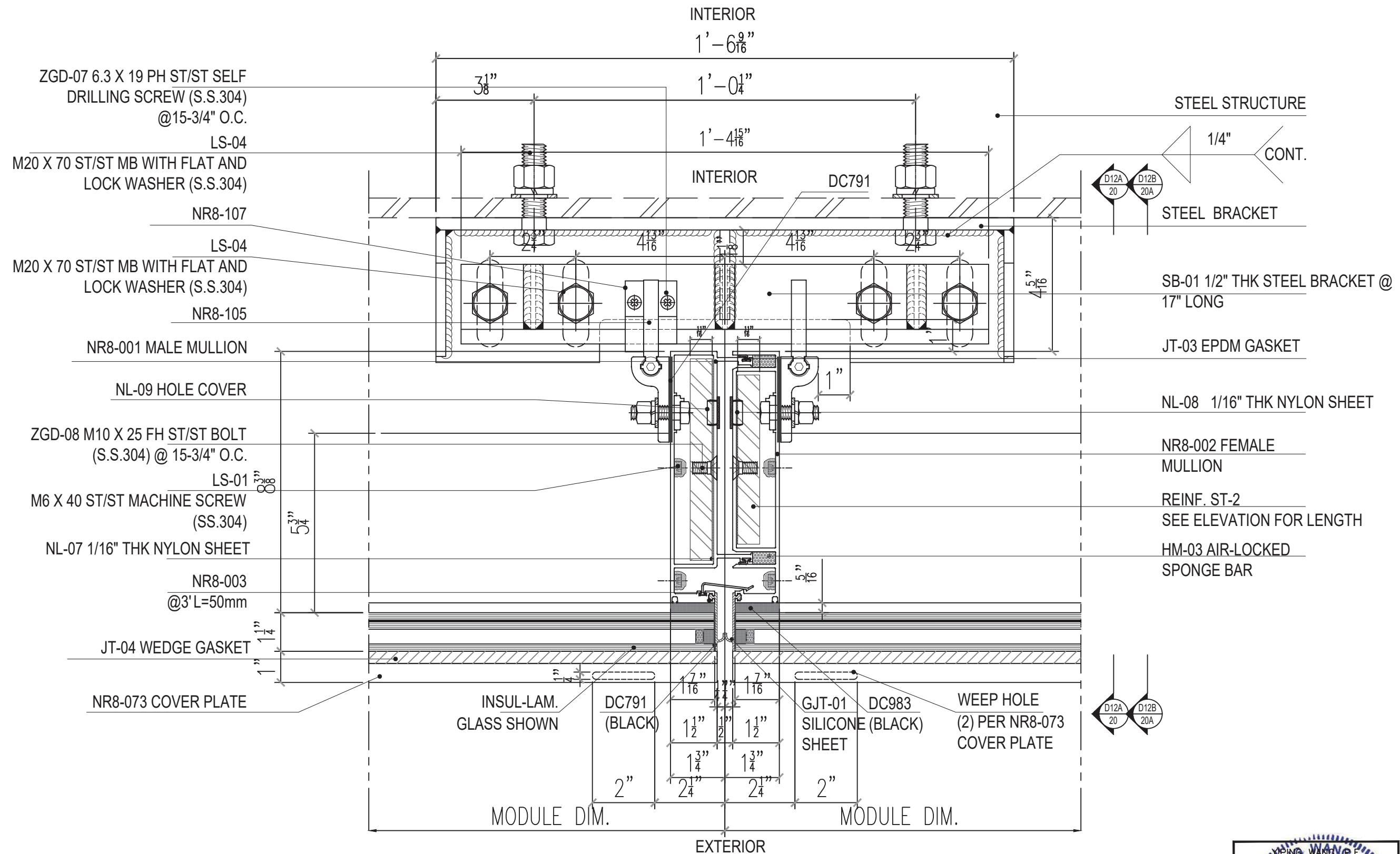
FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D22

SHEET 34

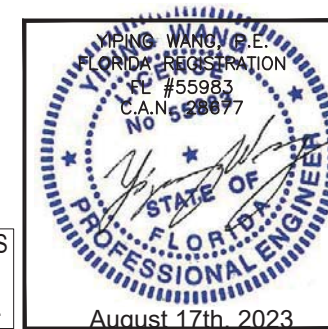
August 17th, 2023



D23
35

DETAIL
TYP INTERM MULLION AT SPANDREL AREA

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

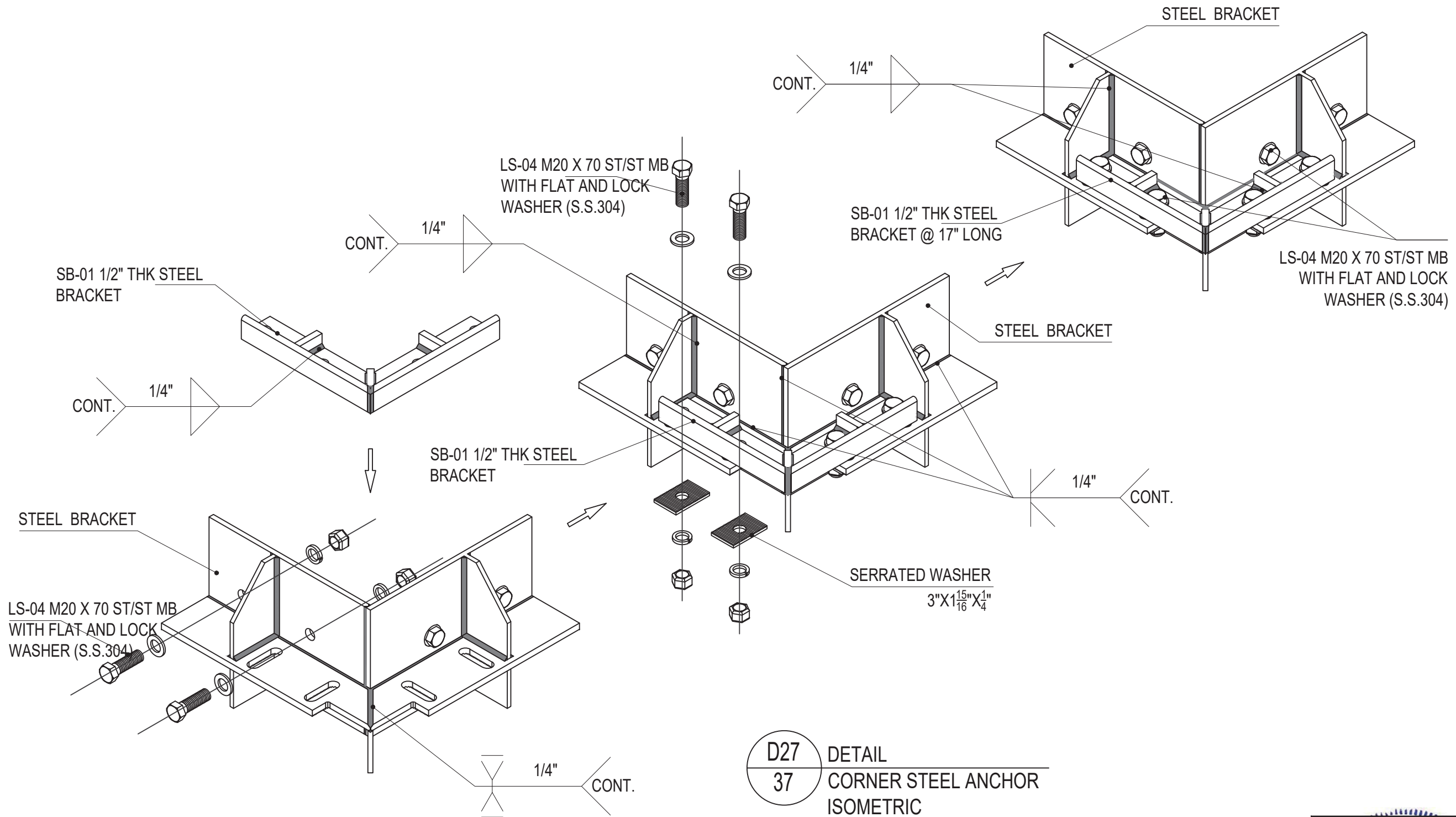
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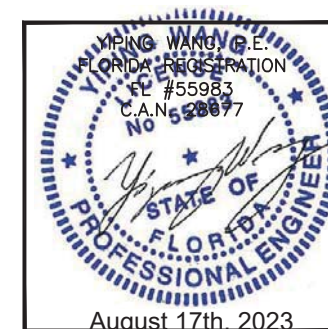
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FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
D23	
SHEET 35	



D27
37 **DETAIL**
CORNER STEEL ANCHOR
ISOMETRIC



REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	
R3	08.10.23	FBC 2023	

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--	--

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D27	
SHEET 37	

STEEL MEMBER
A36 1/8" THK MIN
STEEL PLATE
3"X5"X1/4" SEE PM02-D

1/4" THK MAX NYLON SHIM

ZGD-12 M6.3 X 100 HH ST/ST
SELF DRILLING SCREW (S.S. 04)
(10) FOR EACH UNIT @2" O.C

ZGD-11 M6 X 16 FH ST/ST
MB (S.S. 304)
(6) PER PLATE

(LS-01) GB70-85-M6X40MM S/S 304
SOCKET HEAD W/SPRING WASHER
GB93-87-6MM S/S 304

NL-10 PLASTIC CAP

NR8-055

DOW 790 PERIMETER SEAL

MEMBRANE GRACE CONVEYOR

HOLE COVER (GT-01) CAPITAL
TAPE 5/16" THK- 1 1/2"W 1-
SIDED ADHESIVE TAPE

DOW 983 II PART
STRUCTURAL SEALANT

9/16" LAMINATED
GLASS

OPTION A

CONCRETE SUBSTRATE

1/4" THK MAX NYLON SHIM

5/16" DIA. ULTRACON W/ 1 3/4" MIN.
EMBED. INTO CONCRETE &
3 1/8" MIN. EDGE DIST.
(5) AT EACH SIDE OF MULLION
@ 2" O.C.

MAX LOAD Rmax = 3140 LBS
MAX LOAD Rmax = MULLION TRIB WIDTH x FRAME HEIGHT X DESIGN LOAD / 2

CONCRETE fc'= 3515 psi min

9/16" LAMINATED
GLASS

D28A
38
DETAIL
HEAD (OPTIONAL)

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.



REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

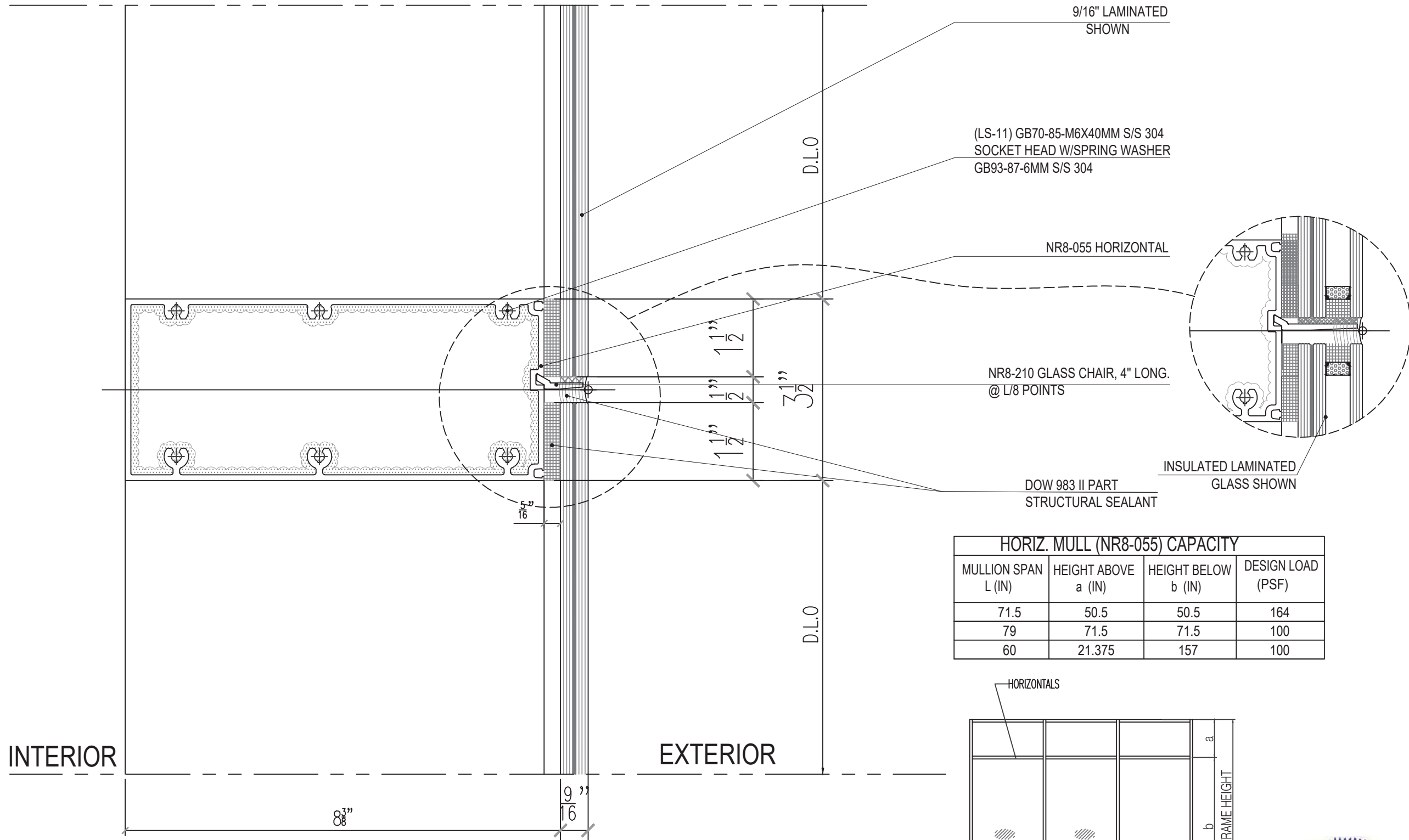
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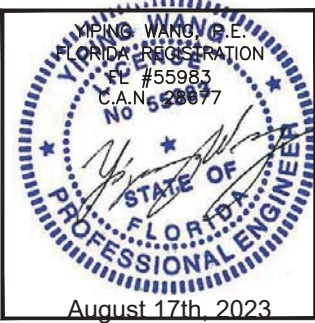
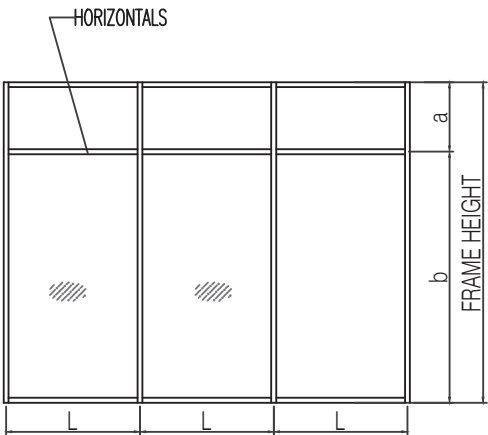
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FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D28	
SHEET 38	



HORIZ. MULL (NR8-055) CAPACITY			
MULLION SPAN L (IN)	HEIGHT ABOVE a (IN)	HEIGHT BELOW b (IN)	DESIGN LOAD (PSF)
71.5	50.5	50.5	164
79	71.5	71.5	100
60	21.375	157	100



D29
39

DETAIL
INTERMEDIATE HORIZONTAL

FOR GLASS OPTIONS AND CAPACITIES, SEE CHARTS
ON SHEET 4A.
FOR SILICONE CAPACITY, SEE CHART ON SHEET 4B.

REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

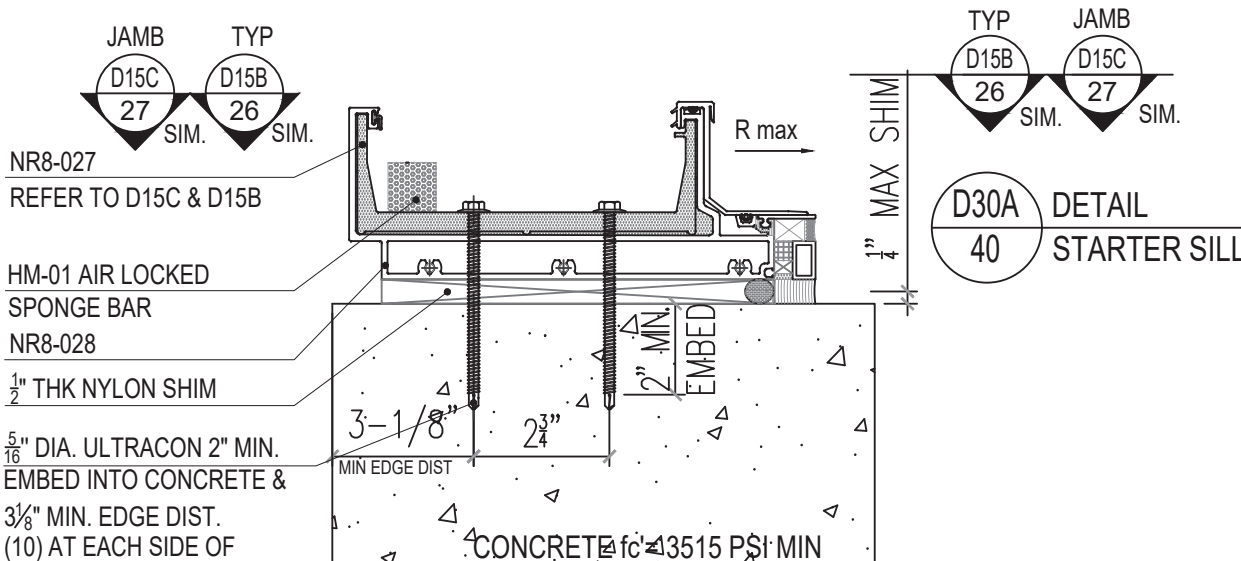
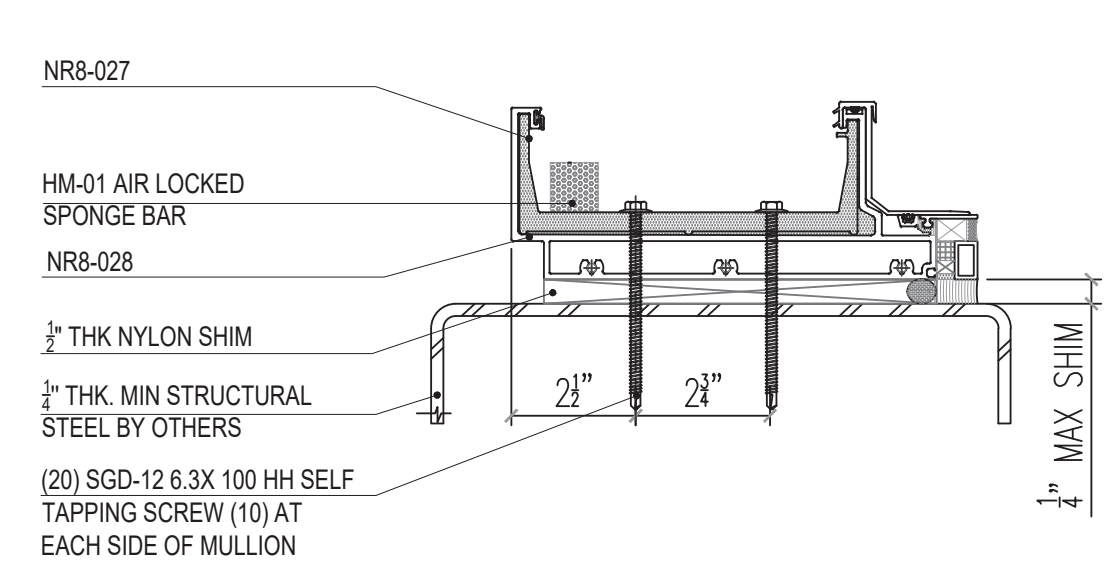
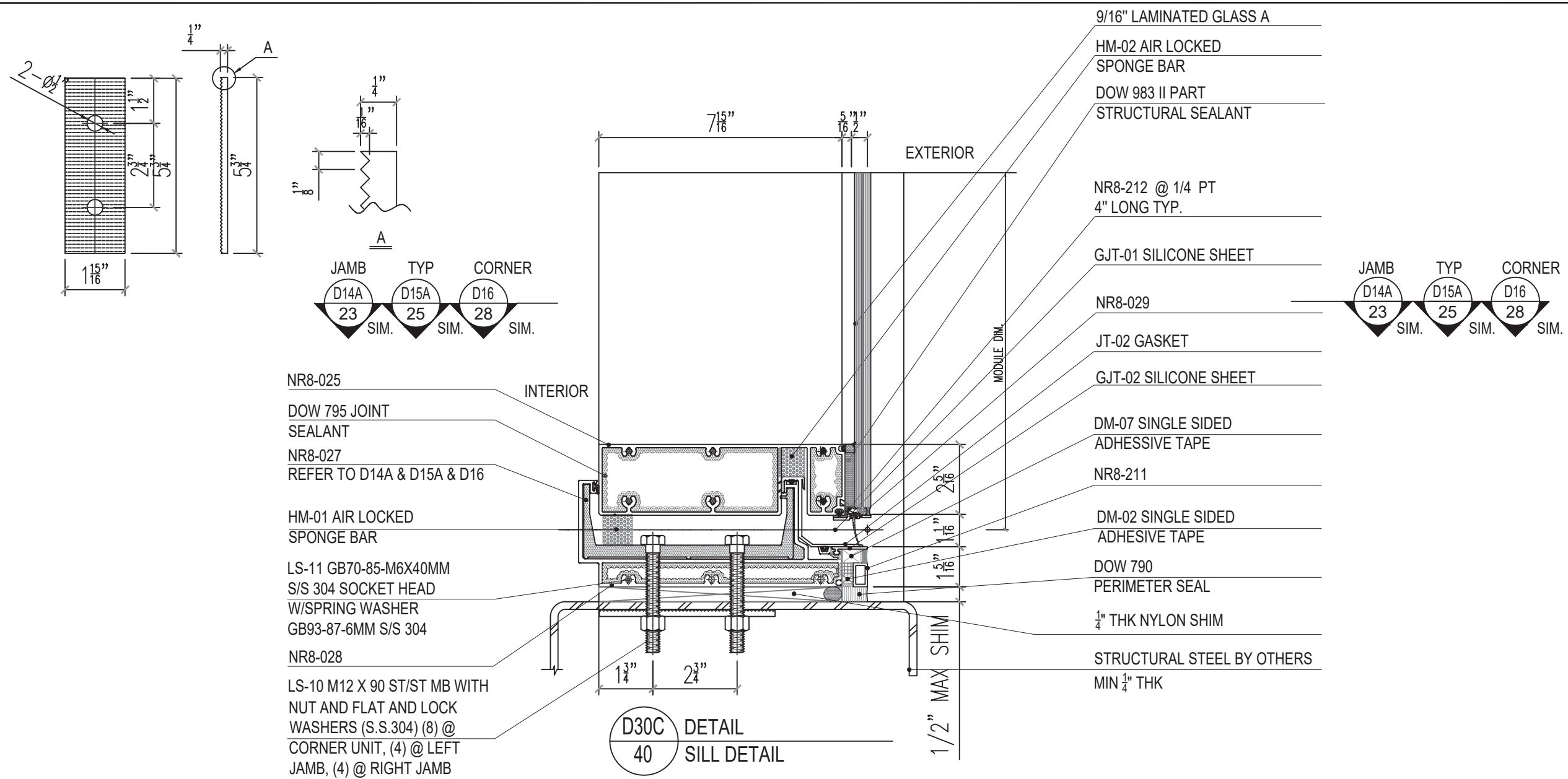
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIAMI, FL 33183 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.)

N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D29	
SHEET 39	

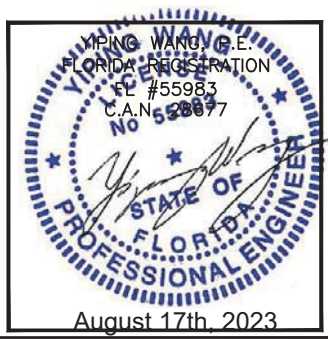


NOTE: FOR SMALL REACTION, LESS ANCHORS CAN BE USED, TO BE CHECKED ON JOB BASIS BY DELEGATED ENGINEER.

D30B
40
DETAIL
STARTER SILL

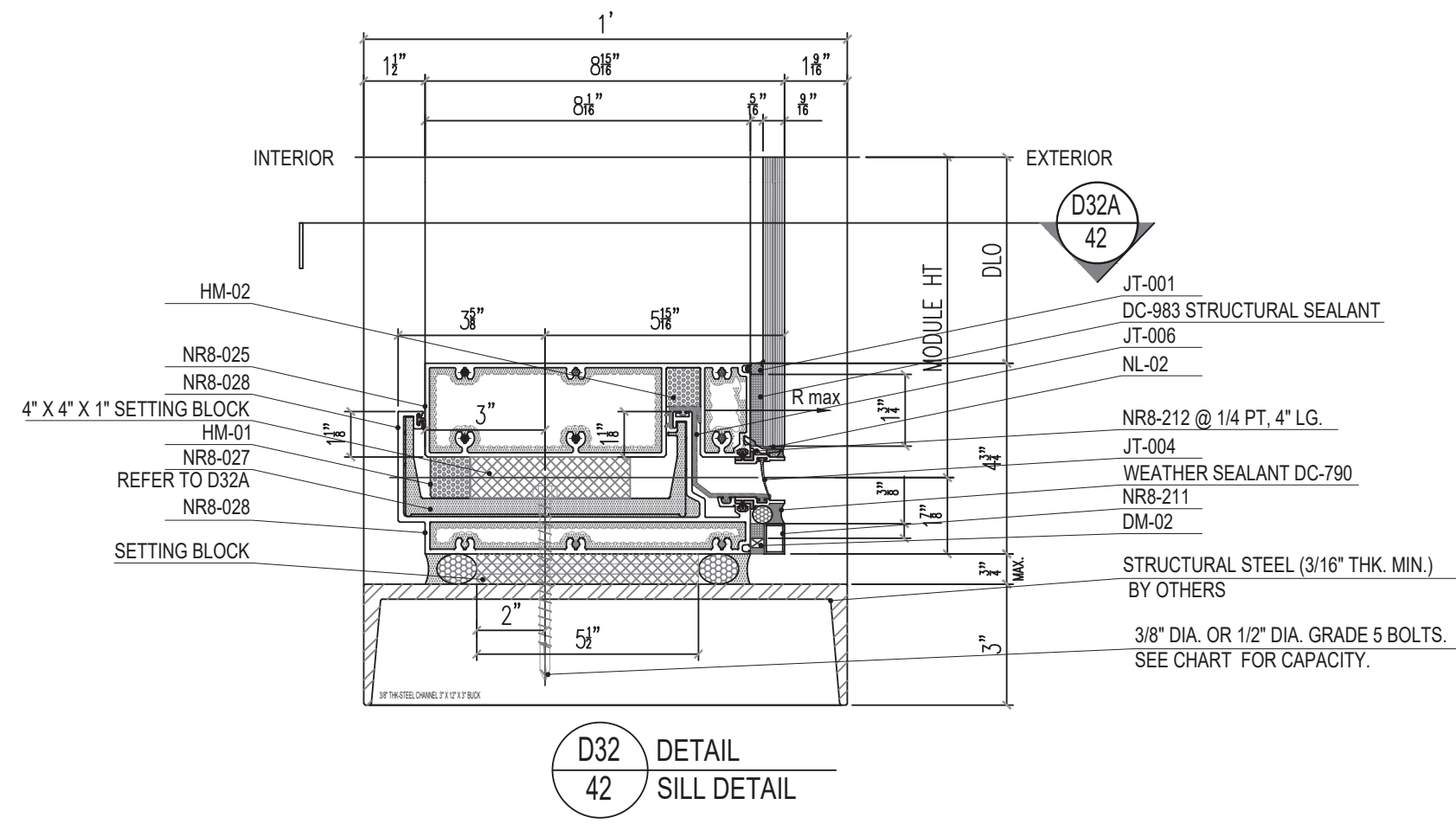
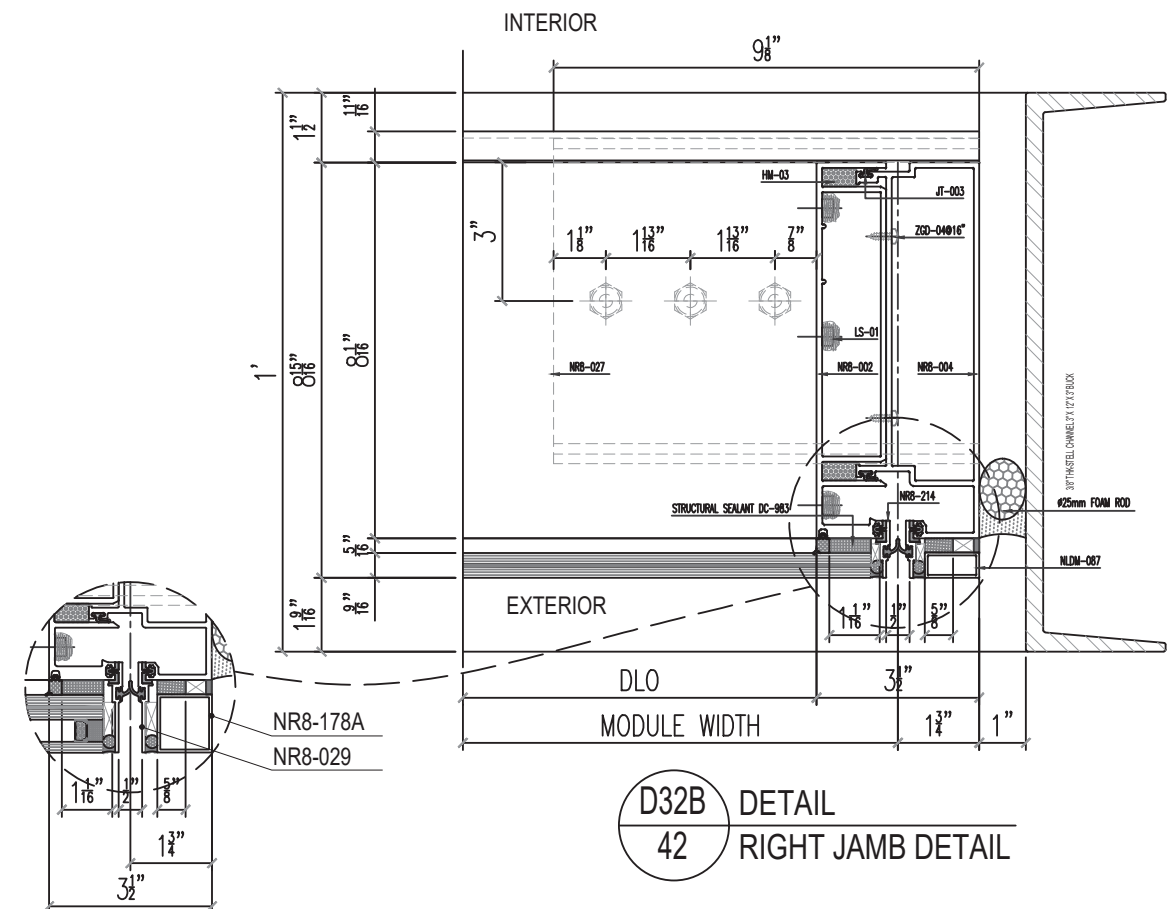
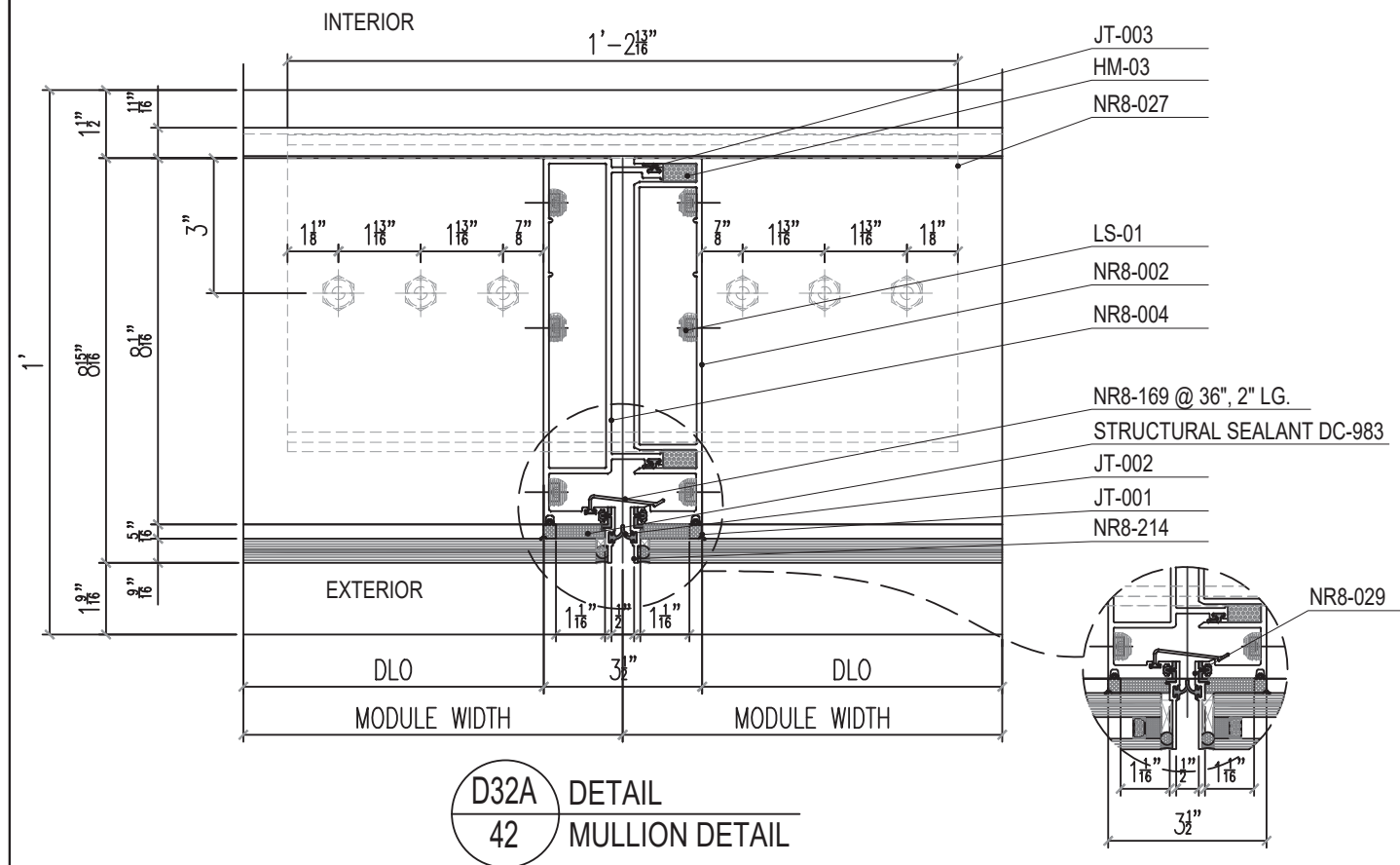
5/16" DIA. ULTRACON 2" MIN. EMBED INTO CONCRETE & 3/8" MIN. EDGE DIST. (10) AT EACH SIDE OF MULLION @ 2 3/4" O.C.
MAX LOAD Rmax = 2067 LBS
MAX LOAD Rmax = MULLION TRIB WIDTH X FRAME HEIGHT X DESIGN LOAD / 2

NOTE: FOR SMALL REACTION, LESS ANCHORS CAN BE USED, TO BE CHECKED ON JOB BASIS BY DELEGATED ENGINEER.



REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	
R3	08.10.23	FBC 2023	

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SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.) N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D30	
SHEET 40	



GRADE 5 BOLTS					
MAX. CAPACITIES	ANCHOR TYPE	3/8" DIA.			1/2" DIA.
		(2) /SIDE	(3) /SIDE	(4) /SIDE	(2) /SIDE
SUBSTRATE		3/16" STL			1/4" STL
Rmax. (LB)		2060	3090	4120	3900



REVISIONS	
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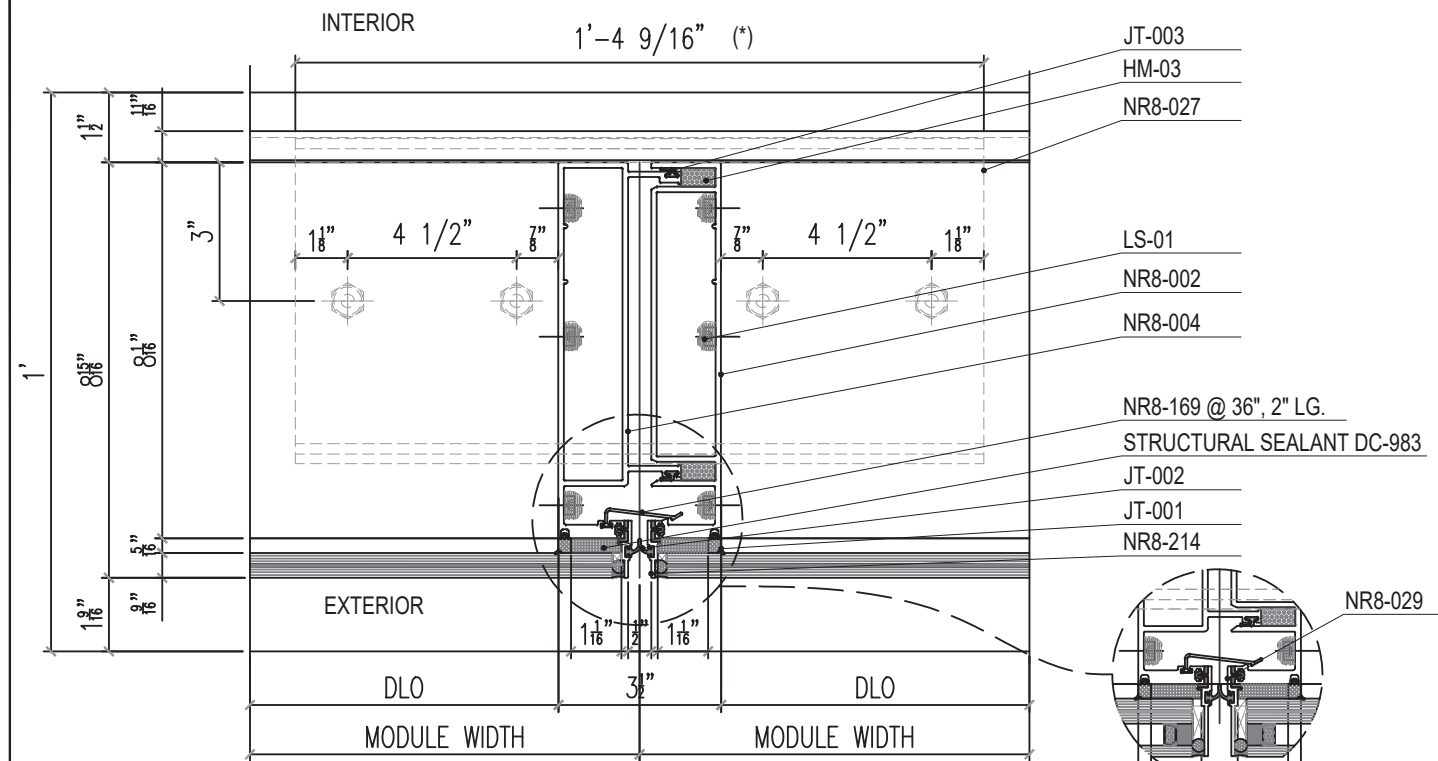
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:
FL #20149.2

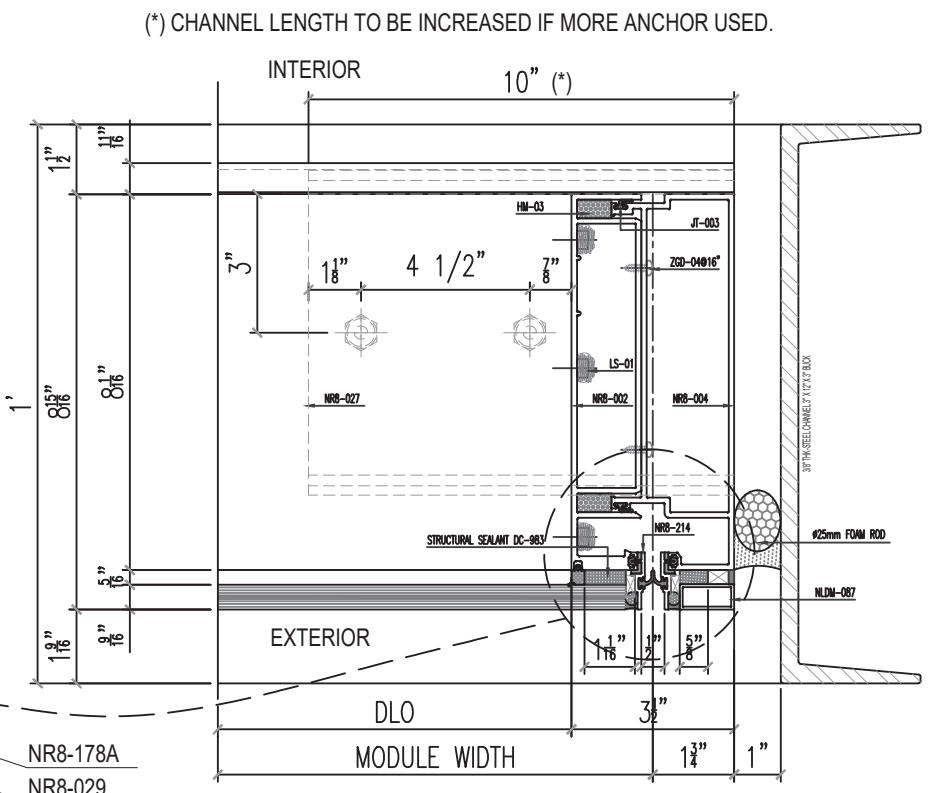
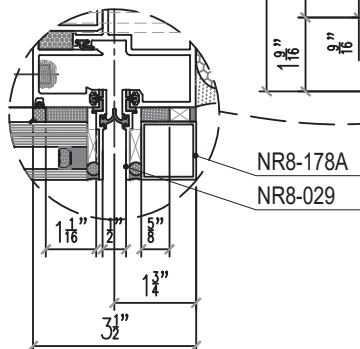
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D32

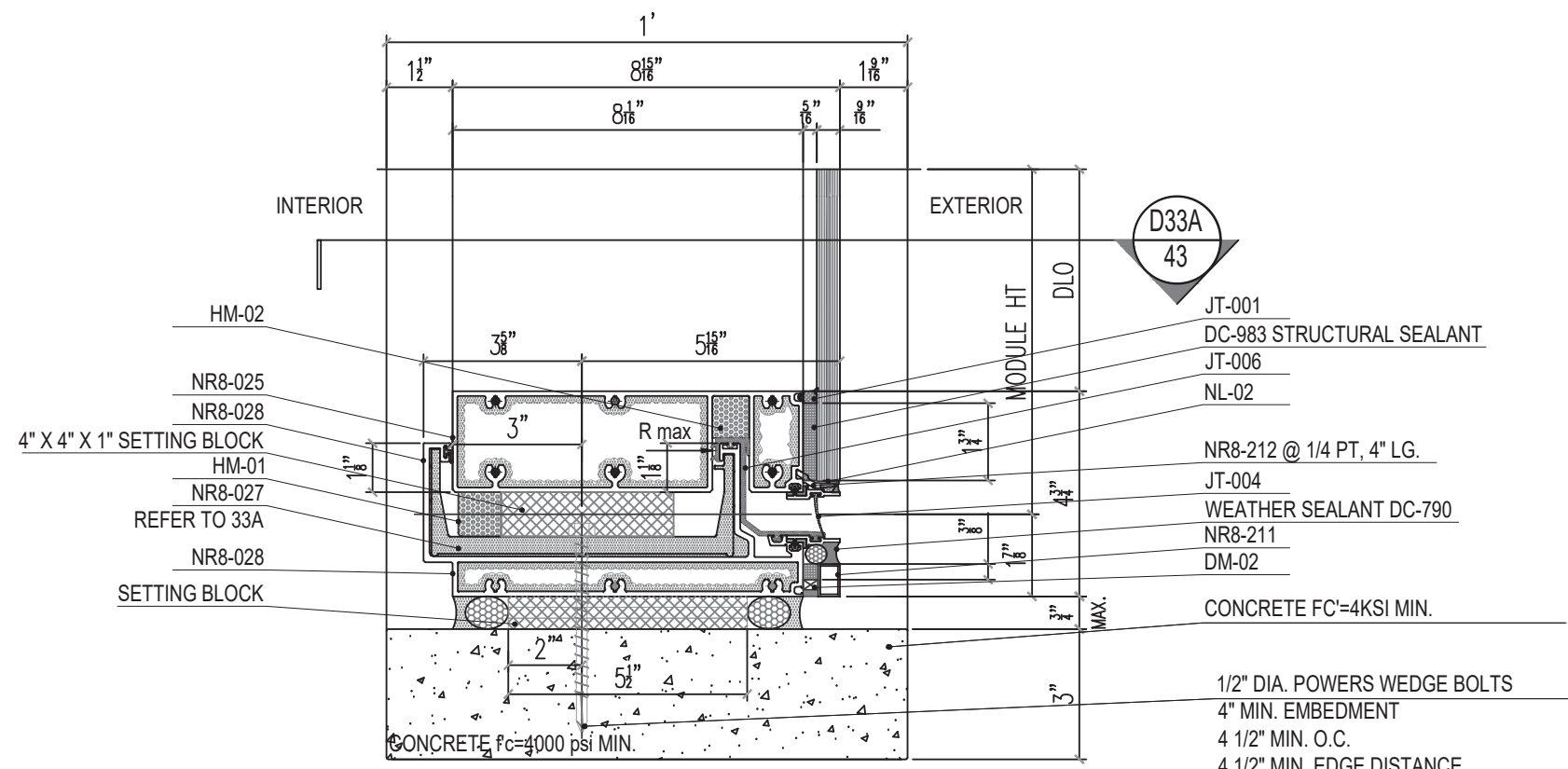
SHEET 42



D33A
43
DETAIL
MULLION DETAIL

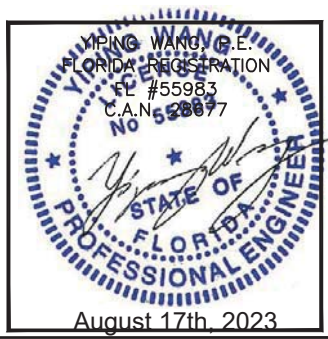


D33B
43
DETAIL
RIGHT JAMB DETAIL

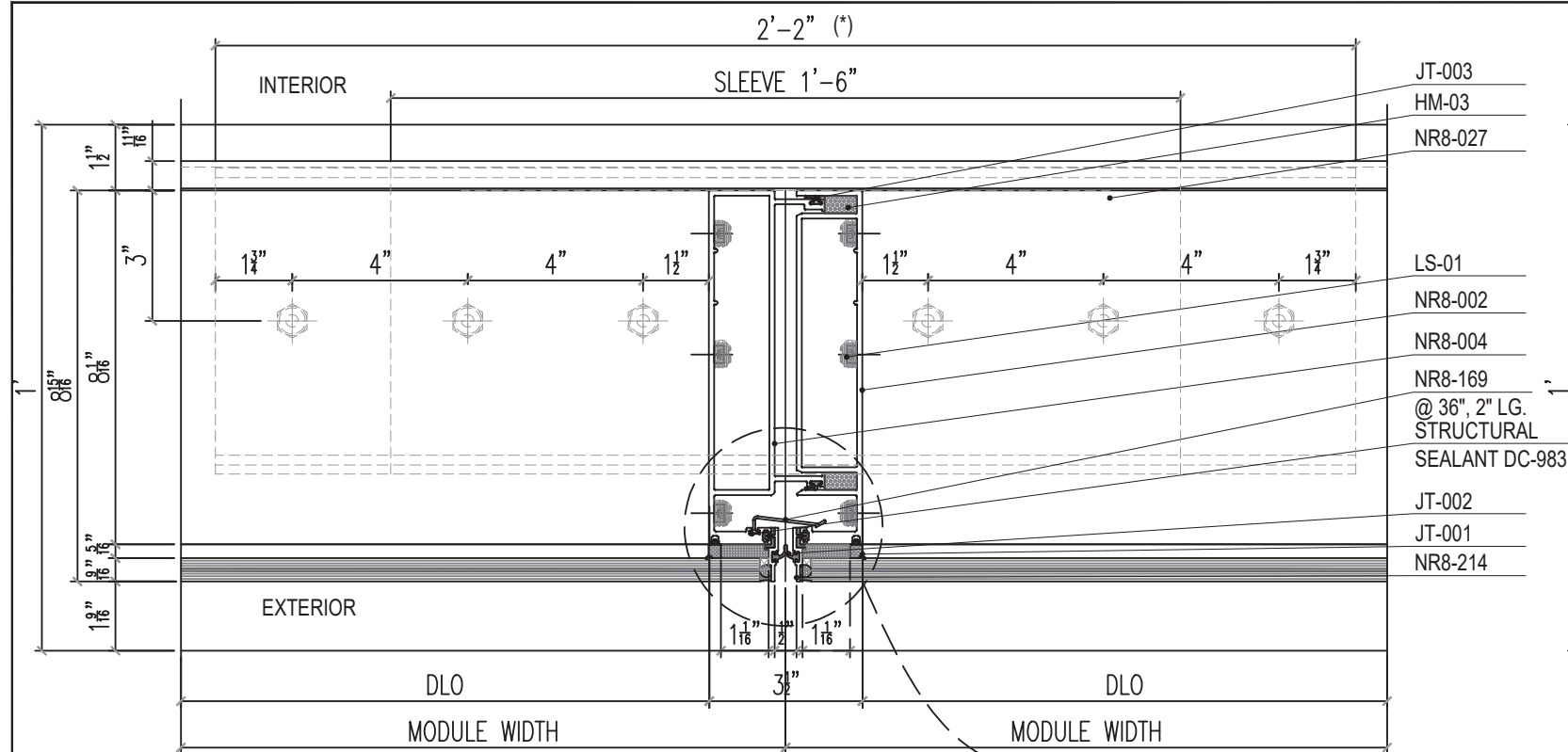


D33
43
DETAIL
SILL DETAIL

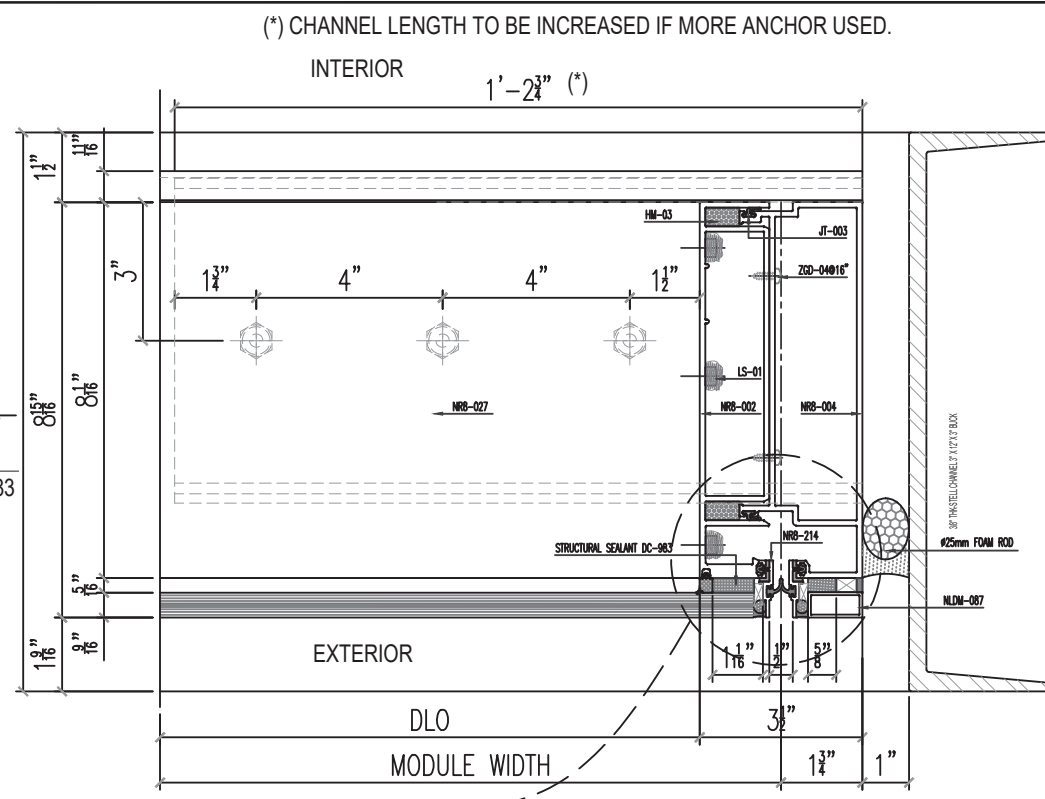
MAX. CAPACITIES	ANCHOR TYPE	1/2" DIA. PWB	
		(2) /SIDE	(3) /SIDE
Rmax. (LB)		2780	4170



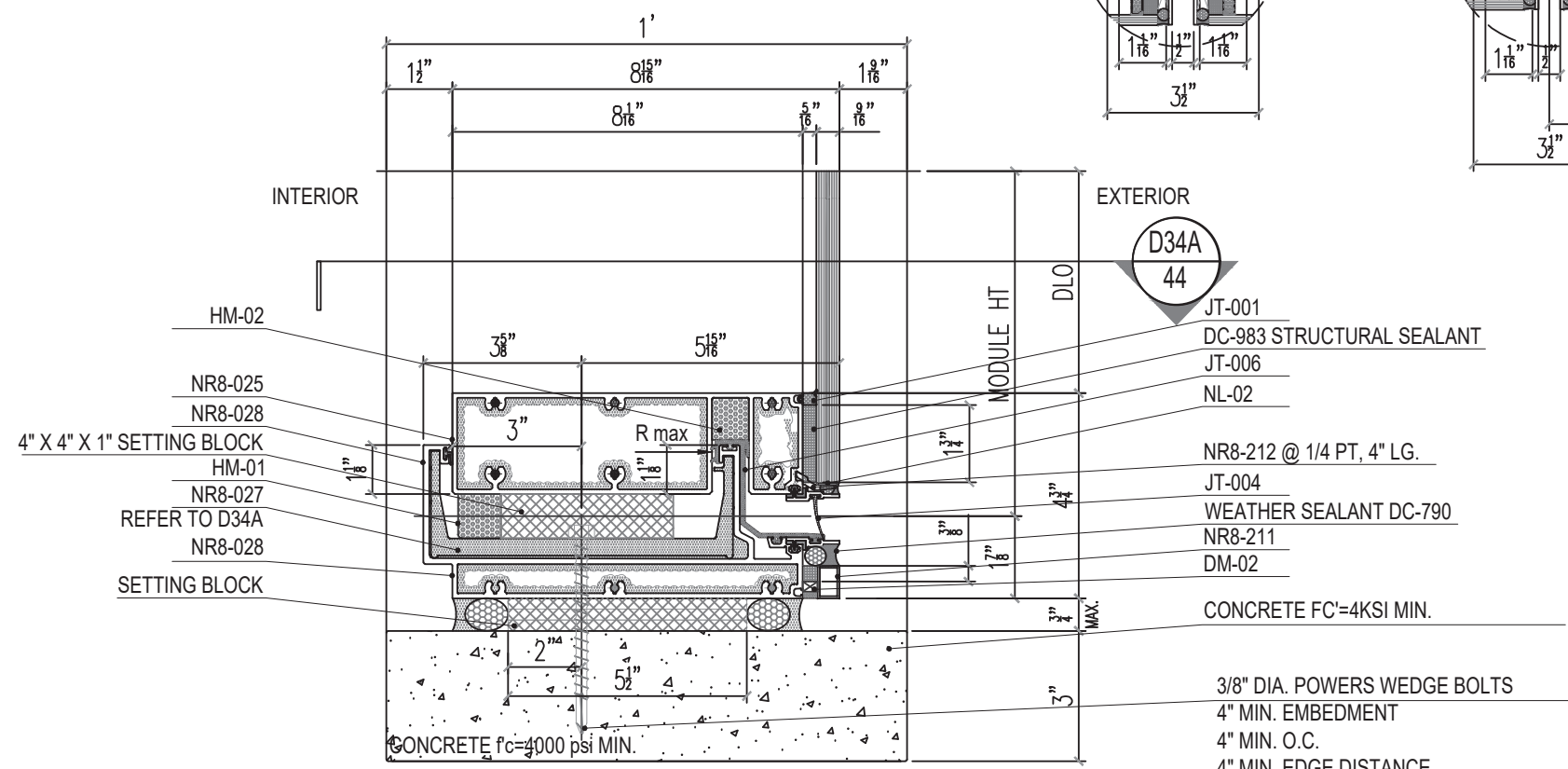
REVISIONS NO. DATE DESCRIPTION R3 08.10.23 FBC 2023	
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIAMI, FL 33183 F: 305.588.5224 www.MCYEngineering.com MCY@mcyengineering.com	
SERIES 8000 HIGH PERFORMANCE UNITIZED CURTAIN WALL SYSTEM (L.M.I. & S.M.I.) N.R. ARCHITECTURAL PRODUCTS, INC. 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
FLORIDA APPROVAL: FL #20149.2 DATE 08.10.2023 SCALE AS NOTED DRAWN James PROJECT MCY16-022 DRAWING NO. AD16-09 D33 SHEET 43	



D34A
44
DETAIL OPTION
MULLION DETAIL

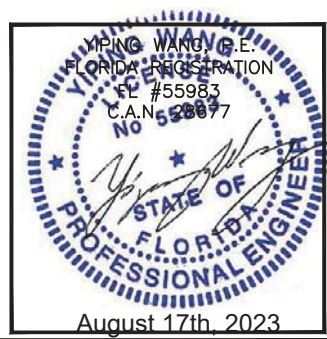


D34B
44
DETAIL OPTION
MULLION DETAIL



D34
44
DETAIL OPTION
SILL DETAIL

MAX. CAPACITIES	ANCHOR TYPE	3/8" DIA. PWB	
		(2) /SIDE	(3) /SIDE
Rmax. (LB)		1700	2550



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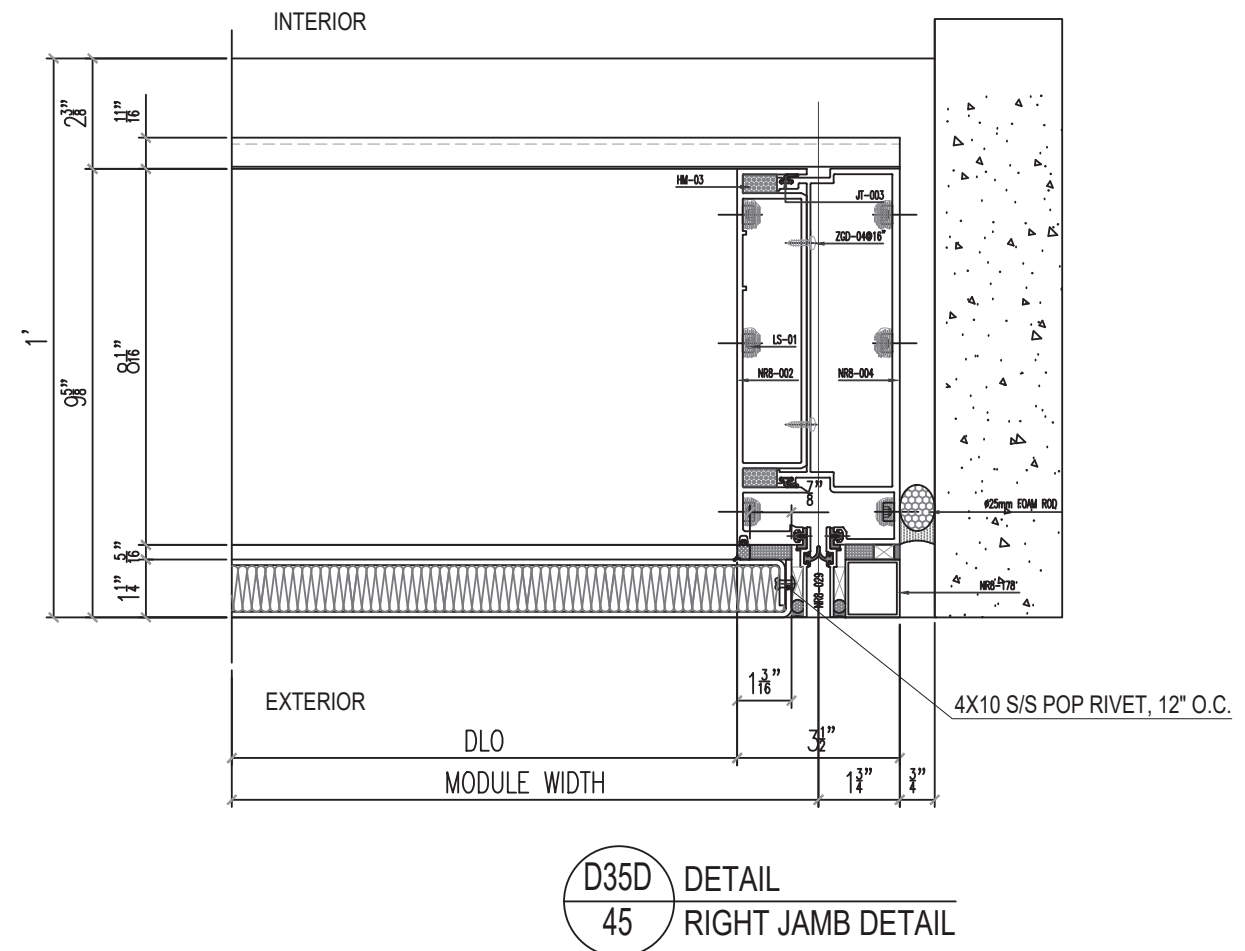
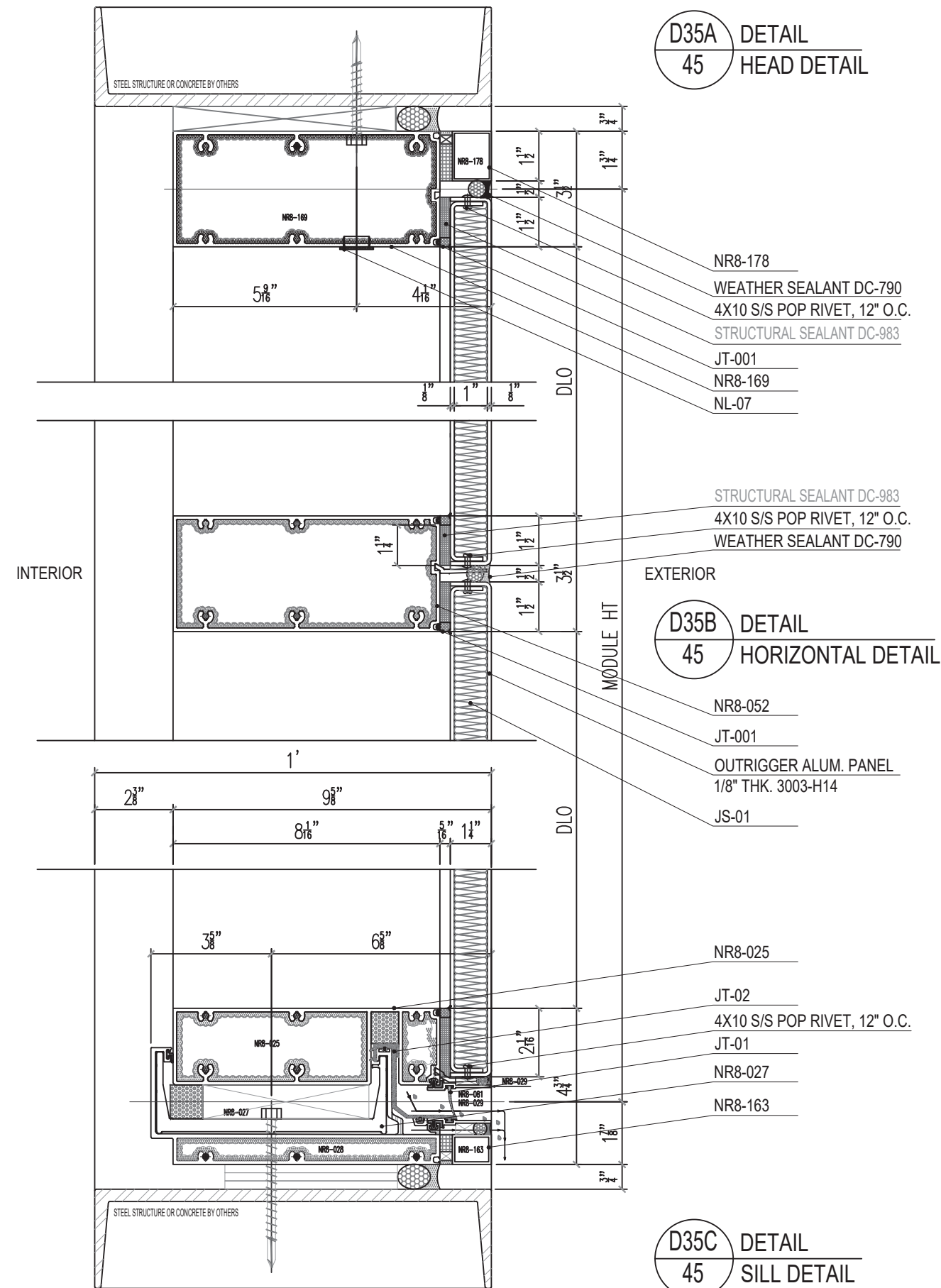
N.R. ARCHITECTURAL PRODUCTS, INC.
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FLORIDA APPROVAL:
FL #20149.2

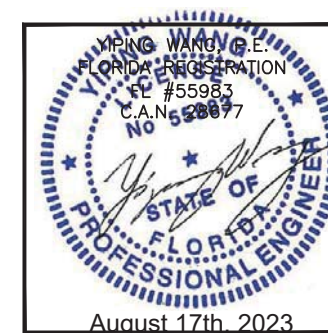
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D34

SHEET 44



NOTE:
1. ALUM. PANEL DETAIL, SEE SHEET 4A & 6C FOR MAX. APPROVED SIZE AND DESIGN LOAD.
2. FOR ANCHOR OPTION REFER TO SHEET 40 TO 44.



REVISIONS		NO. DATE		DESCRIPTION	
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MCY ENGINEERING, INC.		GLAZING CONSULTANTS	
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FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
D35	
SHEET 45	

DC795 WEATHER SEAL SILICONE
(SILL ONLY)

NR8-004

DC795 WEATHERSEAL SILICONE

S8-FC002

S8-FC002

DRT-01 THERMAL ISOLATOR

DC795 WEATHERSEAL SILICONE

DOUBLE SIDE TAPE & SILICONE

NR8-235(1 1/16 X 1 13/32 X 3/32)

DOUBLE SIDE TAPE & SILICONE

NR8-199

NR8-190

DC995 & BACKER ROD

DC983
STRUCTURAL SILICONE

JT-05 GASKET

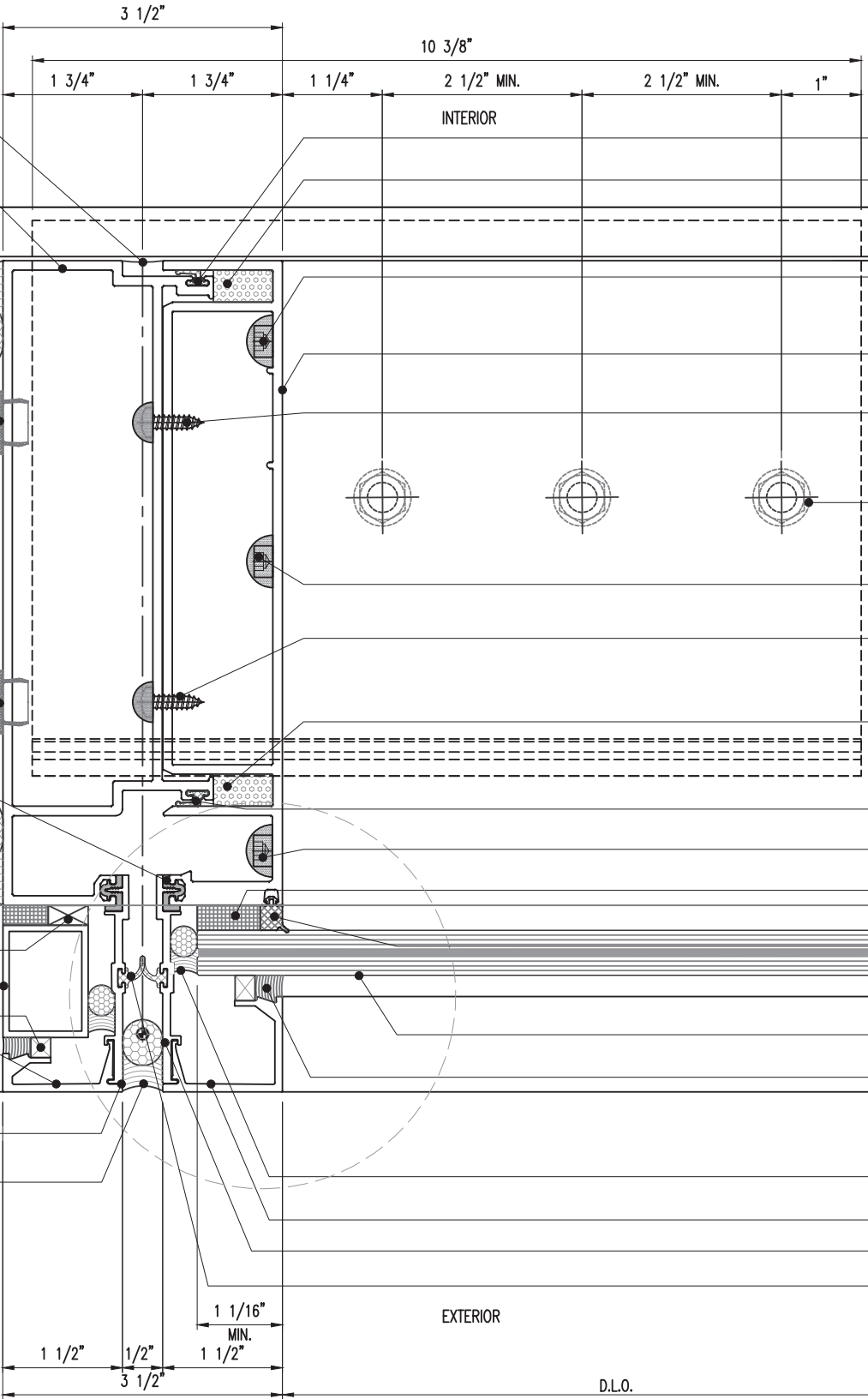
JT-06 GASKET

NR8-199

DC795 WEATHERSEAL SILICONE

NR8-190

INSULATED LAMINATED GLASS
OPTION



D36
46
DETAIL
JAMB

JT-03 GASKET

S8-FB001

S8-FF0023

NR8-002

S8-FF005

DIA. 3/8" MIN.

S8-FF0023

S8-FF005

S8-FB001

S8-FG001

S8-FF0023

DC983 STRUCTURAL SILICONE

JT-05 GASKET

9/16" LAMINATED GLASS

DOUBLE SIDE TAPE & SILICONE

DC795 WEATHERSEAL SILICONE

NR8-217

NR8-190

JT-06 GASKET

REVISIONS	
NO.	DATE
R3	08.10.23
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FBC 2023	

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GLAZING CONSULTANTS

MCY

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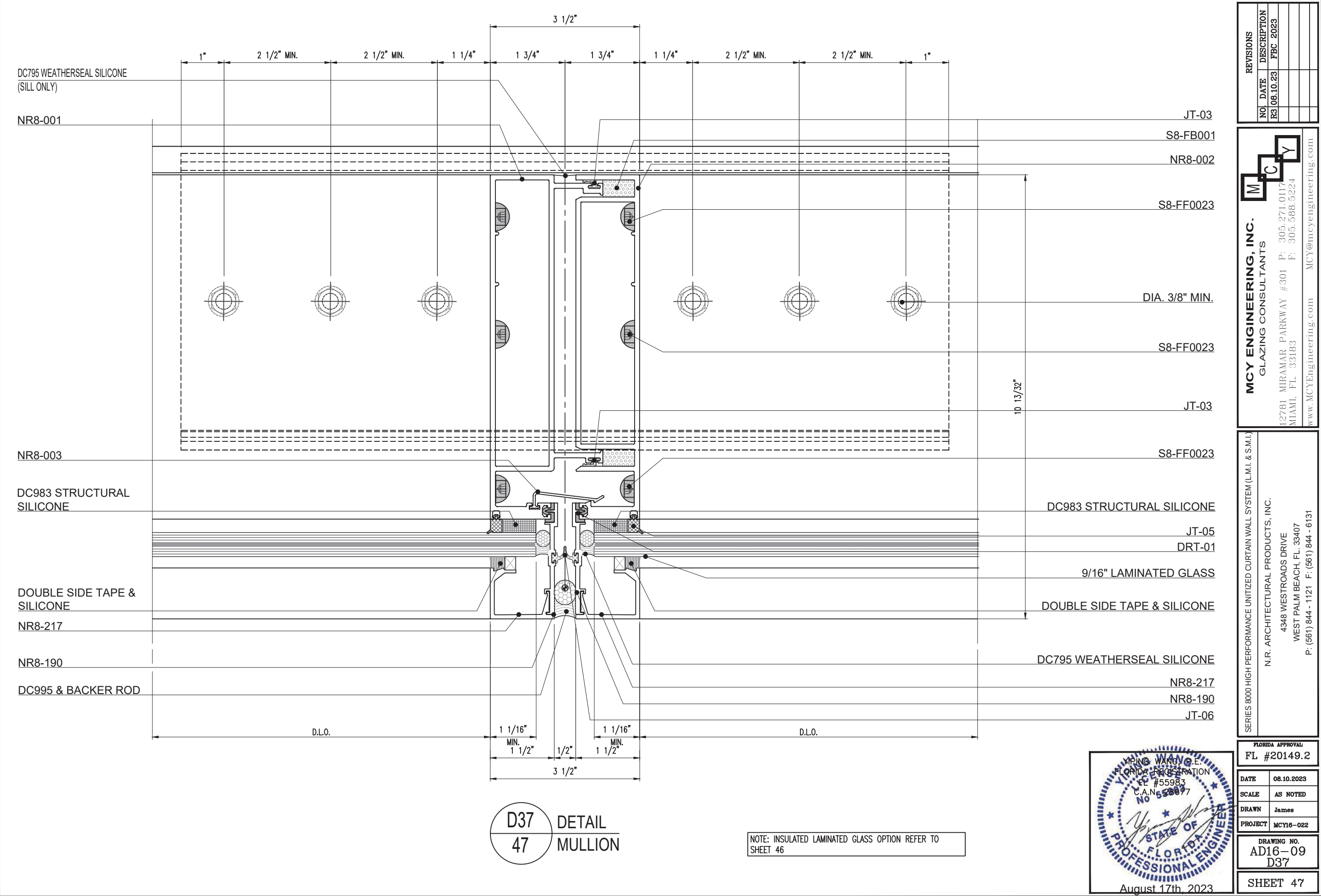
N.R. ARCHITECTURAL PRODUCTS, INC.
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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL: FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO. AD16-09 D36	
SHEET 46	

YOUNG WANG
PENG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. #28877

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 17th, 2023



REVISIONS	
NO.	DESCRIPTION
R3	08.10.23 FBC 2023

MCY ENGINEERING, INC.
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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:
FL #20149.2

DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.
AD16-09
D37

SHEET 47

FOR ANCHOR CONDITIONS, AT LEAST THREE ANCHORS PER SIDE OF JAMB AND MULLION END. FOR OTHER ANCHOR CONDITIONS TO BE CHECKED BY DELEGATED ENGINEER ON JOB BASES PER ASCE 7 CURRENT VERSION.

DIA.3/8" MIN.

S8-SP008

NR8-186

DC795 WEATHERSEAL SILICONE

DC795 WEATHERSEAL SILICONE

DOUBLE SIDE TAPE & SILICONE

1 1/16 X 1 13/32 X 3/32

NR8-199

NR8-190

DC995 & BACKER ROD

JT-06

NR8-190

DRT-01

NR8-217

DOUBLE SIDE TAPE & SILICONE

DC983 STRUCTURAL SILICONE

JT-05

9/16 LAMINATED GLASS

S8-FC002

SUBSTRATE BY OTHER

3/4" MAX.

3 1/2"

1 1/2"

1 5/32" MIN.

10 13/32"

NR8-190

DC995 & BACKER ROD

DC795 WEATHERSEAL SILICONE

NR8-199

DOUBLE SIDE TAPE & SILICONE

DC983 STRUCTURAL SILICONE

INSULATED LAMINATED GLASS OPTION

D38

48

DETAIL
HEAD



August 17th, 2023

REVISIONS	
NO.	DATE
R3	08.10.23
DESCRIPTION	
FBC 2023	

MCY

ENGINEERING, INC.

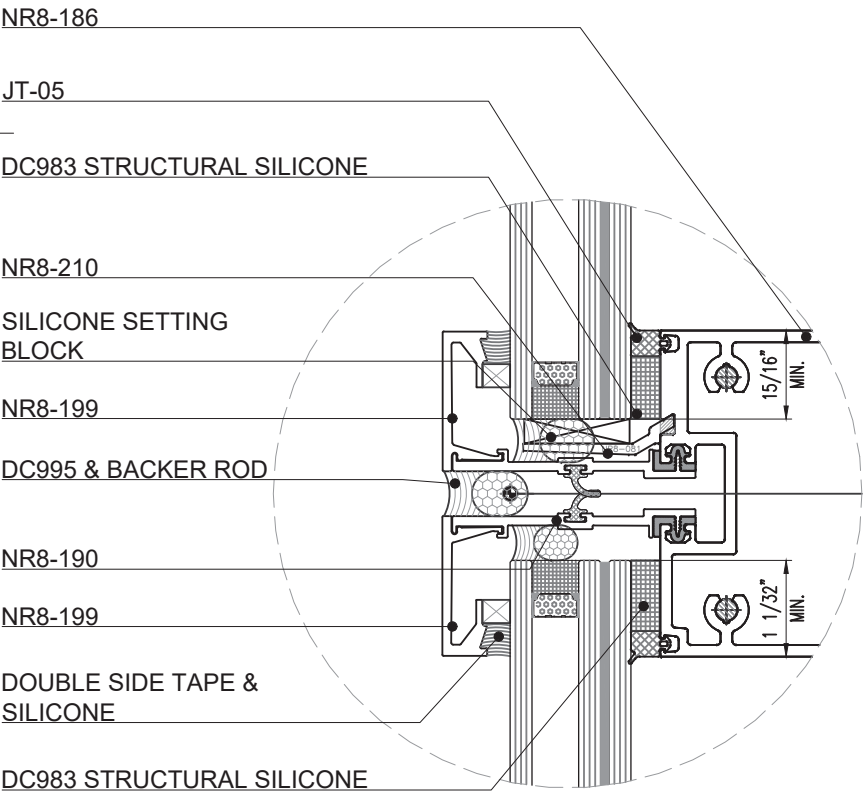
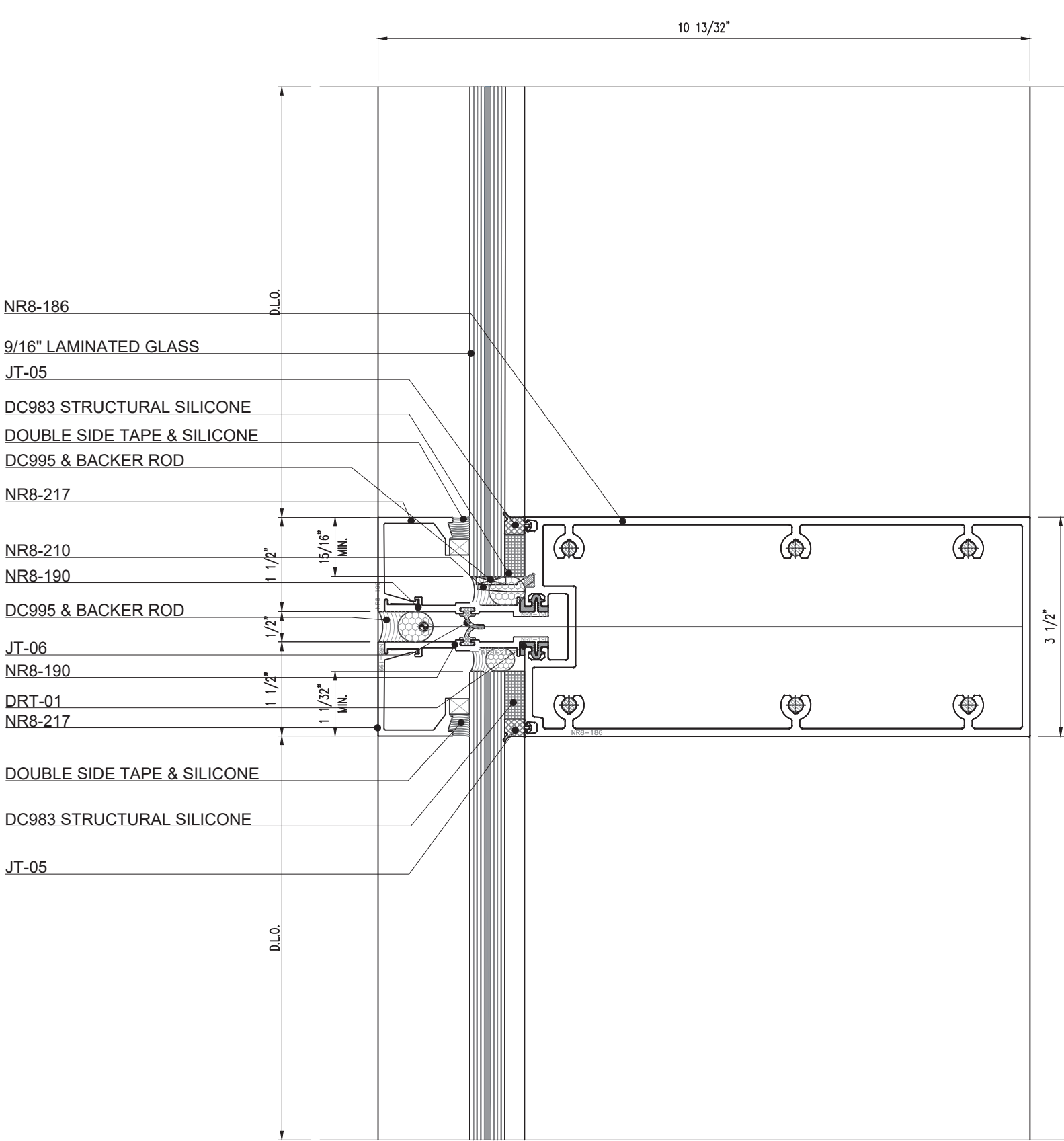
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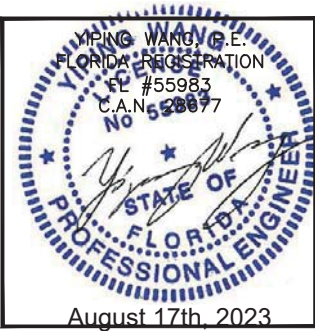
N.R. ARCHITECTURAL PRODUCTS, INC.
4348 WESTROADS DRIVE
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P: (561) 844 - 1121 F: (561) 844 - 6131

FLORIDA APPROVAL:	
FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022
DRAWING NO.	
AD16-09	
D38	
SHEET 48	



D39
49

DETAIL
HORIZONTAL



REVISIONS		NO. DATE		DESCRIPTION	
		R3		08.10.23 FBC 2023	

MCY ENGINEERING, INC.		GLAZING CONSULTANTS	
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FL #20149.2	
DATE	08.10.2023
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DRAWN	James
PROJECT	MCY16-022

DRAWING NO.	
AD16-09	
D39	

SHEET 49	
----------	--

S8-FB005

9/16" LAMINATED GLASS

S8-FB015

JT-05

DC983 STRUCTURAL SILICONE

DOUBLE SIDE TAPE & SILICONE

NR8-219

DRT-01

DC995 & BACKER ROD

NR8-210

NR8-190

DC995 & BACKER ROD

NR8-218

NR8-193

SILL AIRLOCK SPONGE NBR/PVC

DOUBLE SIDE TAPE &
DC795 WEATHERSEAL SILICONE

1 1/16 X 25/32 X 1/16

DC795 WEATHERSEAL SILICONE

SUBSTRATE BY OTHER

11 3/32"

1 27/32"
MIN.

1"

1 5/16"

1 3/16"

3 17/32"

3/4"
MAX.

D40
50

DETAIL
SILL

JT-05

DC983 STRUCTURAL
SILICONE

DOUBLE SIDE TAPE
& SILICONE

NR8-199

NR8-210

DRT-01

NR8-190

DC995 & BACKER ROD

NR8-193

JT-08

DEAD LOAD BLOCK

NR8-025

DC795 WEATHERSEAL SILICONE
(SILL ONLY)

JT-03

S8-FB005

NR8-027

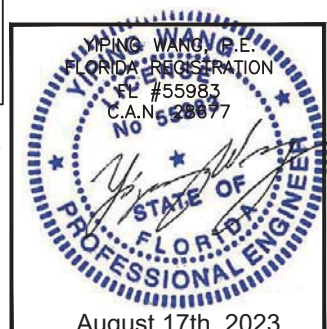
NR8-028

DOUBLE SIDE TAPE &
STRUCTURAL SILICONE

INSULATED LAMINATED GLASS
OPTION

FOR ANCHOR CONDITIONS, AT LEAST
THREE ANCHORS PER SIDE OF JAMB
AND MULLION END. FOR OTHER
ANCHOR CONDITIONS TO BE CHECKED
BY DELEGATED ENGINEER ON JOB
BASES PER ASCE 7 CURRENT VERSION.

DIA.3/8" MIN.



August 17th, 2023

REVISIONS		NO. DATE		DESCRIPTION	
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FL #20149.2	
DATE	08.10.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	MCY16-022

DRAWING NO.	
AD16-09	
D40	

SHEET 50	
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