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TO OBTAIN AUTOCAD/REVIT COMPATIBLE DETAILS OF THIS PRODUCT, KINDLY GET IN TOUCH WITH US CONTACTING US VIA OUR OFFICIAL EMAIL ADDRESS: CONTACT@JA-PE.COM.

GENERAL NOTES

1. THIS SYSTEM PRESENTED HEREIN HAS UNDERGONE DESIGN AND TESTING IN FULL COMPLIANCE WITH THE FLORIDA BUILDING CODE NINTH EDITION (2026) AND IS INTENDED FOR USE IN HIGH VELOCITY HURRICANE ZONE PER TAS 201/202/203.

2. THE DESIGN PRESSURES OUTLINED IN THIS DOCUMENT ARE DERIVED FROM MAXIMUM TESTED PRESSURES AND INCORPORATE A 1.5 SAFETY FACTOR.

3. THE PRESSURES PROVIDED IN THIS CERTIFICATION ARE DETERMINED USING THE ALLOWABLE STRESS DESIGN METHOD (ASD).

4. THIS PRODUCT HAS BEEN RIGOROUSLY TESTED IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN NOTE 1 OF THE GENERAL NOTES. IT IS CONFIRMED TO BE RESISTANT TO LARGE MISSILE IMPACT, THEREBY NOT NECESSITATING THE USE OF IMPACT-RESISTANT SHUTTERS.

5. THE DESIGN OF THIS SYSTEM DOES NOT INCORPORATE A 33-1/3% INCREASE IN ALLOWABLE STRESS. FOR WOOD ANCHOR DESIGN, A WIND LOAD DURATION FACTOR OF CD=1.6 HAS BEEN EMPLOYED.

6. THE ARCHITECT/ENGINEER OF RECORD RESPONSIBLE FOR THE PROJECT'S SUPERSTRUCTURE, WITH WHICH THIS DESIGN IS ASSOCIATED, SHALL ENSURE THE INTEGRITY OF ALL SUPPORTING SURFACES. COORDINATION WITH THE PERMITTING CONTRACTOR IS REQUIRED, AND PROPER ANCHORING OF WOOD BUCKS (BY OTHERS) MUST FACILITATE LOAD TRANSFER TO THE EXISTING STRUCTURE.
7. THE DETAILS OF THE SYSTEM PROVIDED HEREIN ARE OF A GENERIC NATURE AND DO NOT OFFER SPECIFIC SITE INFORMATION. FOR SITE CONDITIONS THAT DIFFER FROM THOSE SPECIFIED HERE, A LICENSED ENGINEER OR REGISTERED ARCHITECT MUST PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS CERTIFICATION.

8. THE CONTRACTOR IS ACCOUNTABLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS (E.G., STEEL WITH ALUMINUM).

9. THE SUBSTITUTION OF FASTENERS DESCRIBED IN THIS CERTIFICATION IS PERMISSIBLE, PROVIDED THE ALTERNATIVE ANCHOR EXHIBITS STRENGTH EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE GRANTED BY RELEVANT AUTHORITIES.

10. THE WOOD SCREWS REFERENCED IN THIS CERTIFICATION MUST MEET A MINIMUM GRADE OF 2 (FU = 74,000 PSI).

11. THE ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS PRESENTED SOLELY. ANY USE OF THIS SPECIFICATION BY THE CONTRACTOR OR OTHERS INDEMNIFIES AND SAVES THE ENGINEER HARMLESS FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES ARISING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THE SCOPE CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES OR DEVIATIONS FROM THE PLAN.
12. NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED BEYOND WHAT IS EXPRESSLY PROVIDED IN THIS DOCUMENT.

13. ALTERATIONS, ADDITIONS, OR ANY MARKINGS TO THIS DOCUMENT ARE STRICTLY PROHIBITED AND WILL INVALIDATE THIS CERTIFICATION.

14. PROPER SAFETY MEASURES MUST BE OBSERVED DURING THE INSTALLATION AND USE OF THIS SYSTEM, EVEN THOUGH THEY ARE NOT EXPLICITLY LISTED IN THIS CERTIFICATION.

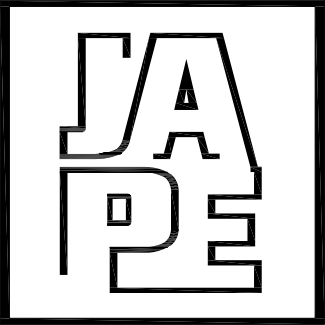
15. MATERIAL SELECTION AND CORROSION PROTECTION SHALL BE VERIFIED FOR THE APPLICABLE COASTAL DISTANCE AND EXPOSURE CONDITION IN ACCORDANCE WITH **SECTION 1711 AND TABLE 1711.1 OF THE 2026 FLORIDA BUILDING CODE**.
CORROSION PROTECTION: ANCHORS AND ALL RELATED ATTACHMENT HARDWARE SHALL BE MANUFACTURED FROM CORROSION-RESISTANT MATERIALS OR PROTECTED BY AN APPROVED CORROSION-RESISTANT FINISH. FOR INSTALLATIONS WITHIN 3,000 FEET OF A SALTWATER COASTLINE, PROVIDE THE FOLLOWING:

1. FASTENERS INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED TO ASTM A153, CLASS D; ASTM A641, CLASS 3S; OR PROVIDED WITH EQUIVALENT CORROSION PROTECTION.

2. CONNECTORS AND METAL PLATES SHALL HAVE A STANDARD GALVANIZED FINISH COMPLYING WITH ASTM A653, G90; ASTM A123; OR AN APPROVED PROTECTIVE COATING COMPLYING WITH TPI 1.

16. EACH PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM, CONTAINING THE FOLLOWING REQUIRED INFORMATION:

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158



JAVAD AHMAD PE, inc

7320 NW 58th Street
Miami, FL 33166
Ph: (305) 424-8001
support@ja-pe.com

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PRODUCT :

ES-SGD1515T
(L.M.I.)

CLIENT :

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REVISION			
No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC
Date:		09-03-26	
Scale:		N/A	
Drawn by:		JM	
Check by:		JA	
Drawing no.		JA-1589-26	

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



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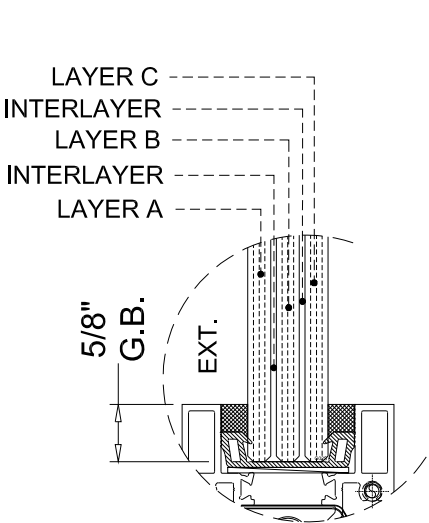
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GENERAL NOTES:

- A. APPROVAL APPLIES TO STAND ALONE DOOR UNITS OR IN COMBINATION WITH APPROVED SIDELITES OR SIDE BY SIDE COMBINATIONS WITH OTHER F.B.C APPR'D WINDOWS / DOOR USING F.B.C. APPROVED MULLIONS IN BETWEEN.
- B. LOWER DESIGN PRESSURE FROM DOORS / SIDELITES WILL APPLY TO ENTIRE SYSTEM.
- C. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2026 (9TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- D. 1BY OR 2BY WOOD BUCKS & BUCKS FASTENERS BY OTHER,MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
- E. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- F. A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- G. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- H. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
- I. THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
- J. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.
- K. DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)' FOR EQUIVALENT LOADS IN 'LOAD AND RESISTANCE FACTOR DESIGN (LRFD)' MULTIPLY 'ASD' LOADS BY 1.67 (ASD LOAD X 1.67 = LRFD LOAD)
- L. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

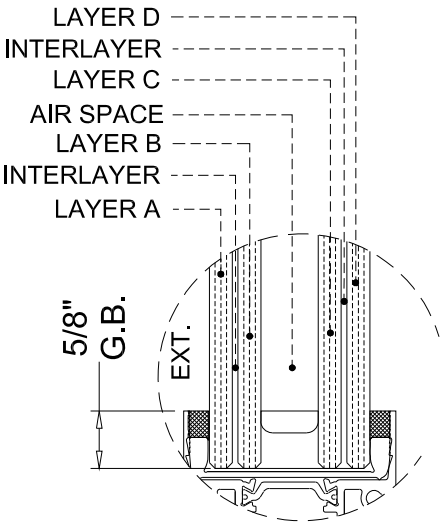
INSTRUCTIONS:

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2: SEE GLASS SPECIFICATIONS ON SHEET 2.
- STEP 3: CHECK SLIDING GLASS DOOR INTERLOCK & ASTRAGAL CAPACITY FOR GIVEN WIDTHS AND HEIGHTS USING CHARTS ON SHEET 7.
- STEP 4: CHECK ANCHOR CAPACITY FOR SLIDING GLASS DOOR SYSTEMS USING CHARTS ON SHEETS 08 OR 09.
- STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 3 AND 4 SHALL APPLY TO THE ENTIRE SYSTEM.



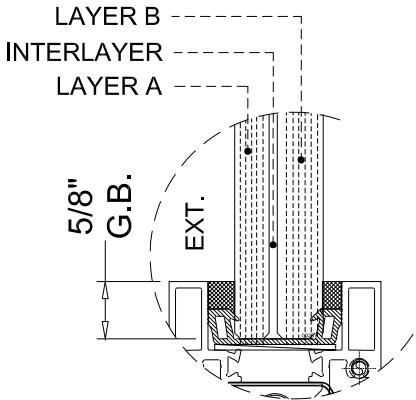
GLASS TYPE 'G1-SGD'

7/8" OVERALL
LAMINATED GLASS



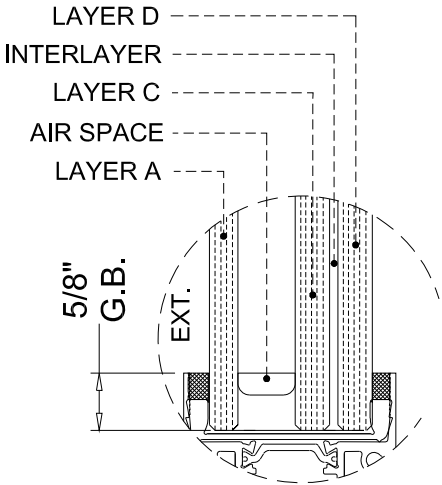
GLASS TYPE 'G2-SGD'

1-3/4" OVERALL INSULATED
LAMINATED GLASS



GLASS TYPE 'G3-SGD'

7/8" OVERALL
LAMINATED GLASS

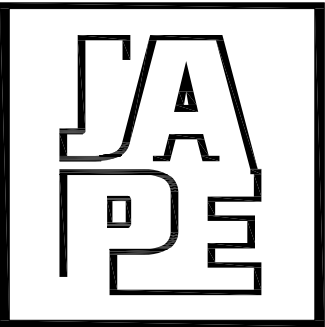


GLASS TYPE 'G4-SGD'

1-3/4" OVERALL INSULATED
LAMINATED GLASS

COMPOSITION OF GLASS							
GLASS TYP.	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	INTERLAYER	LAYER C	INT. SEALANT
G1	SILICONE DS-983	1/4" HEAT STREND GLASS	0.090"SENTRY GLASS BY 'KURARAY AMERICA, INC.'	1/4" HEAT STREND GLASS	0.090" INTERLAYER SGP CLEAR BY 'KURARAY AMERICA, INC.'	1/4" HEAT STREND GLASS	SILICONE DS-983
G3	SILICONE DS-983	3/8" HEAT STREND GLASS	0.090"SENTRY GLASS BY 'KURARAY AMERICA, INC.'	1/2" TEMP. GLASS	-	-	SILICONE DS-983

GLASS TYP.	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	AIR SPACE	LAYER C	INTERLAYER	LAYER D	INT. SEALANT
G2	SILICONE DS-983	1/4" HEAT STREND GLASS	0.090"SENTRY GLASS BY 'KURARAY AMERICA, INC.'	1/4" HEAT STREND GLASS	5/8" AIR SPACER	1/4" HEAT STREND GLASS	0.090"SENTRY GLASS BY 'KURARAY AMERICA, INC.'	1/4" HEAT STREND GLASS	STRUCTURAL SILICONE DS 983
G4	SILICONE DS-983	5/16" TEMP. GLASS	-	-	5/8" AIR SPACER	3/8" HEAT STREND GLASS	0.090"SENTRY GLASS BY 'KURARAY AMERICA, INC.'	3/8" HEAT STREND GLASS	STRUCTURAL SILICONE DS 983



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PRODUCT :

ES-SGD1515T
(L.M.I.)

CLIENT :

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REVISION

No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC

Date: 09-03-26

Scale: N/A

Drawn by: JM

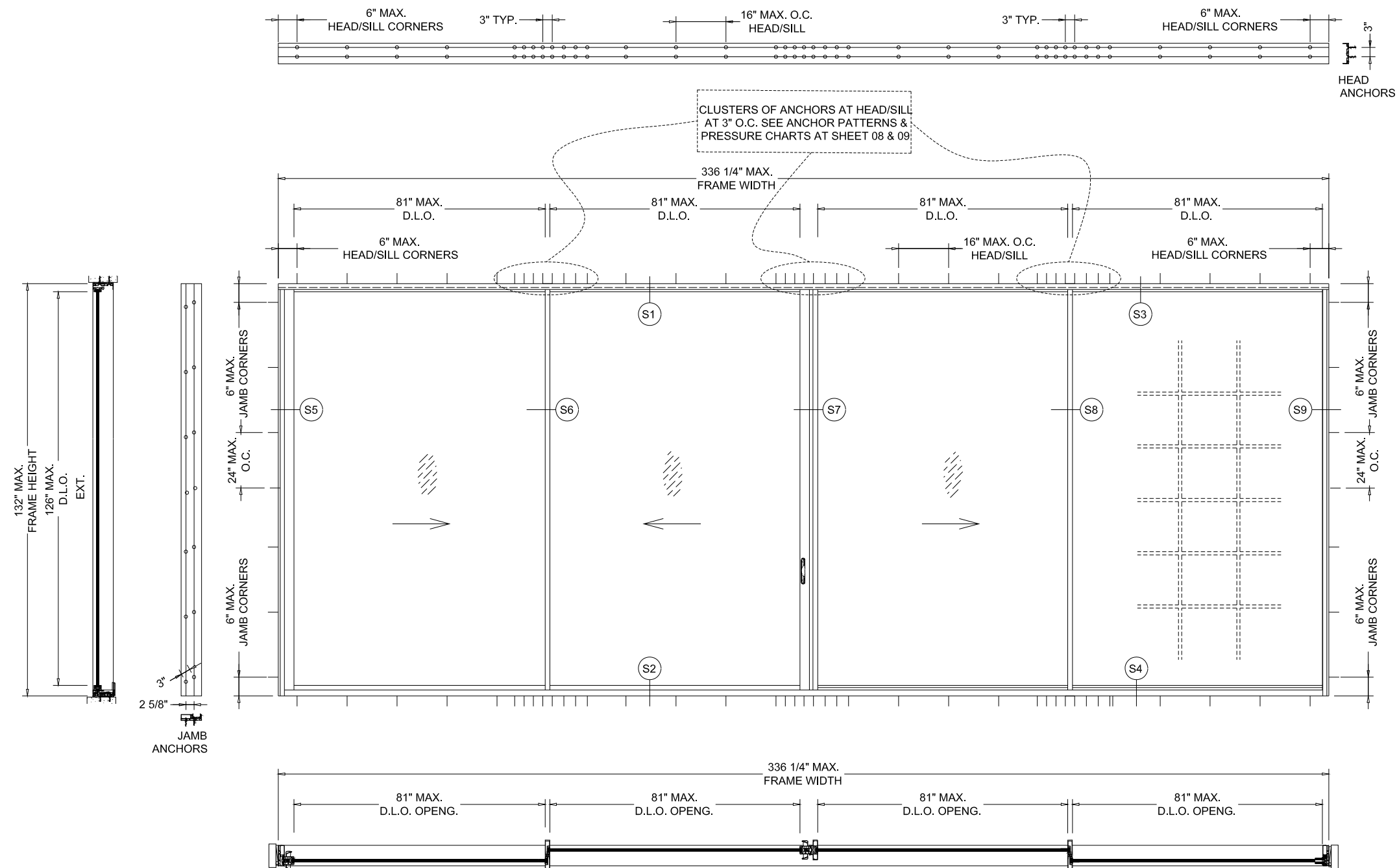
Check by: JA

Drawing no. JA-1589-26

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 09-04-2026



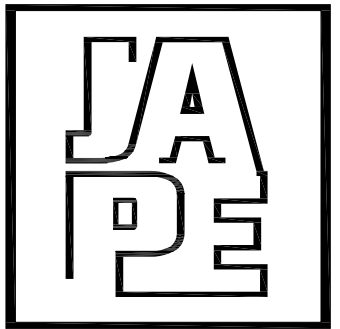
TYPICAL ELEVATION
XX-XO

DESIGN PRESSURE
MAX. +100 / -100 PSF

NOTES:
SEE SHEETS 07, 08 & 09 FOR
DETAILED PRESSURE CHARTS.

NOTES:
SYSTEM IS RATED FOR LARGE & SMALL MISSILE
IMPACT. SHUTTERS ARE NOT REQUIRED.

SEALANT
ALL WINDOW STOP, DRIP CAP, FRAME CORNERS,
JOINT, MULLION SEAMS AND GLAZING BEAD TO
FRAME SEALED WITH SILICONE SEALANT.



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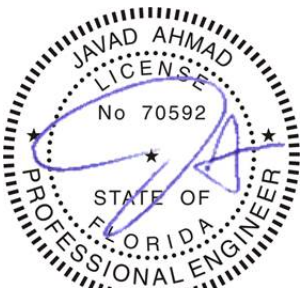
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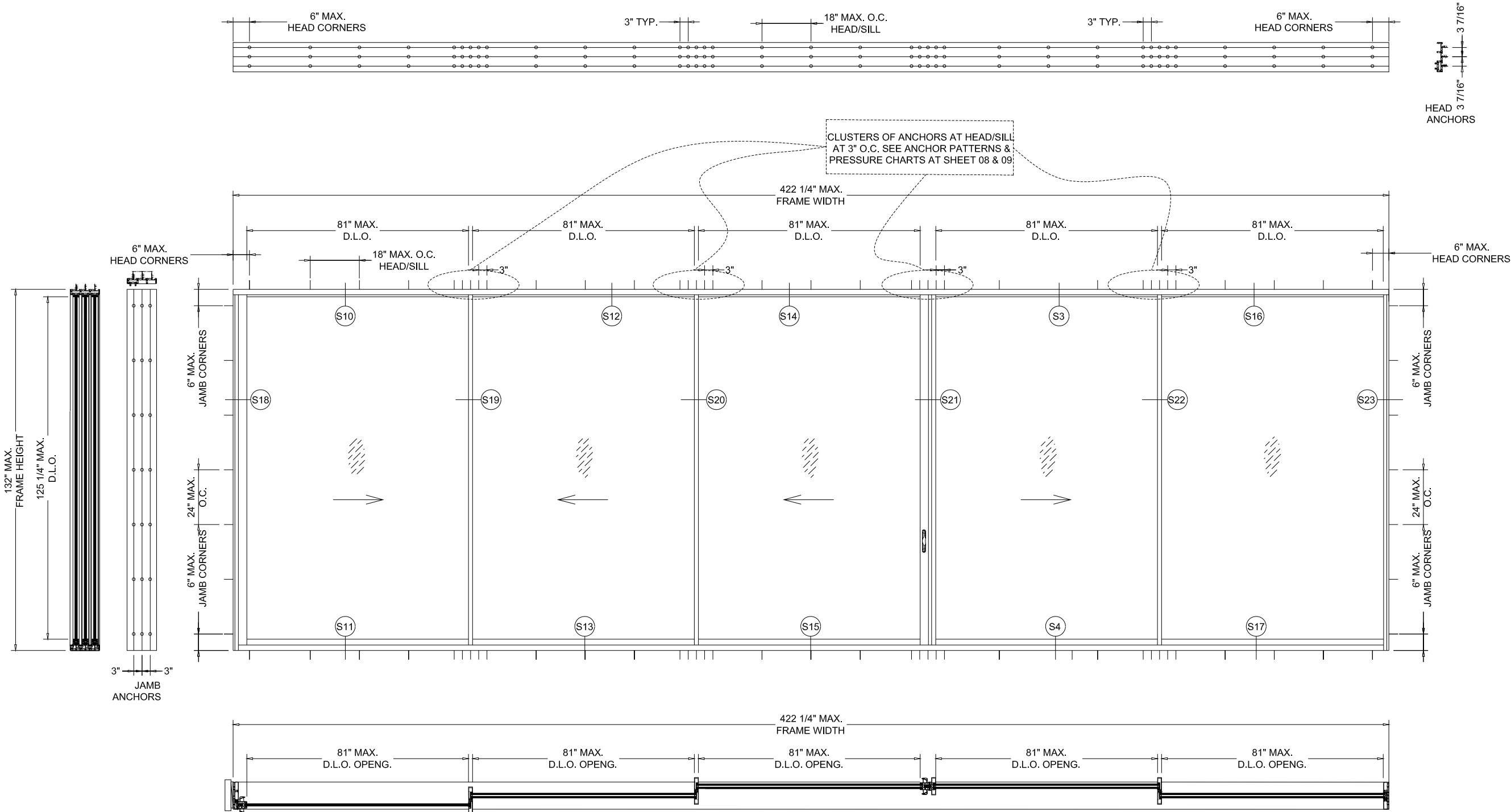


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FL# 47930.2

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OF 28



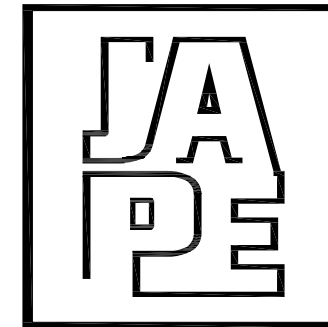
DESIGN PRESSURE
MAX. +100 / -100 PSF

NOTES:
SEE SHEETS 07, 08 & 09 FOR
DETAILED PRESSURE CHARTS.
CAST-IN SILL OPTION IS LIMITED TO 7 PSF WATER RATING.
SILL PAN ANCHORS ARE ONLY INTENDED TO HOLD THE PAN IN PLACE DURING CONCRETE POUR.
SILL ANCHORS ARE NOT REQUIRED WHEN USING CAST-IN OPTION
THE SYSTEM IS NOT RATED FOR WATER ABOVE 46 PSF DP.

TYPICAL ELEVATION XXX-XO

NOTES:
SYSTEM IS RATED FOR LARGE MISSILE
IMPACT. SHUTTERS ARE NOT REQUIRED.

SEALANT
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JOINT, MULLION SEAMS AND GLAZING BEAD TO
FRAME SEALED WITH SILICONE SEALANT.



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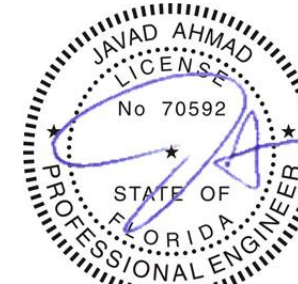
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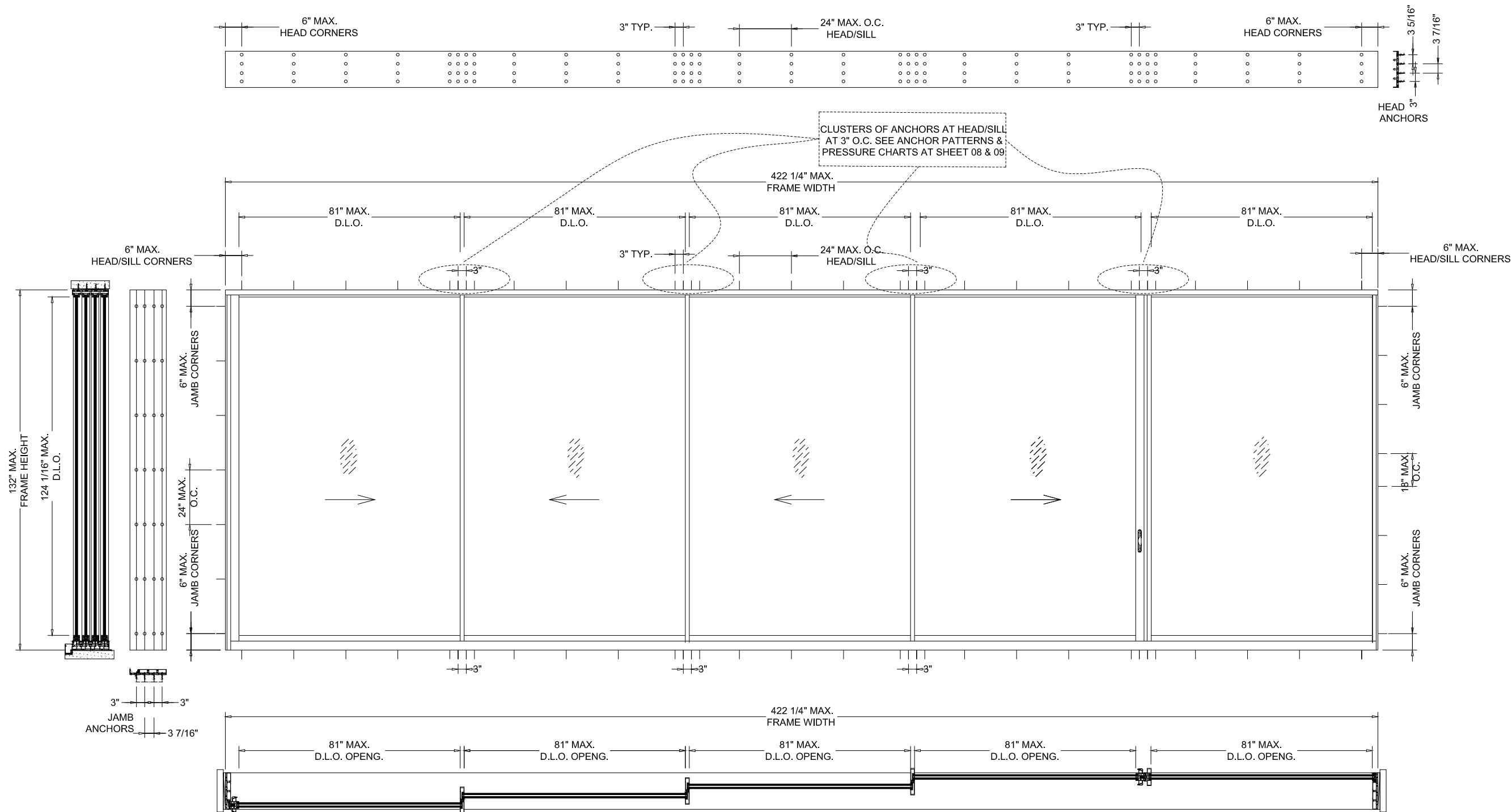


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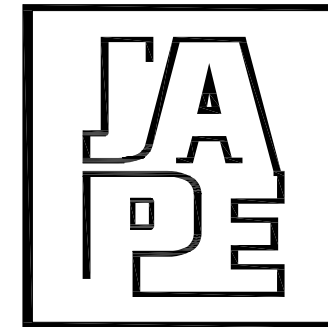
DESIGN PRESSURE
MAX. +100 / -100 PSF

NOTES:
SEE SHEETS 07, 08 & 09 FOR
DETAILED PRESSURE CHARTS.
SUBSILL OPTION IS LIMITED TO 10 PSF WATER RATING.
THE SYSTEM IS NOT RATED FOR WATER ABOVE 66 PSF DP.

TYPICAL ELEVATION XXXX-O

NOTES:
SYSTEM IS RATED FOR LARGE MISSILE
IMPACT. SHUTTERS ARE NOT REQUIRED.

SEALANT
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JOINT, MULLION SEAMS AND GLAZING BEAD TO
FRAME SEALED WITH SILICONE SEALANT.



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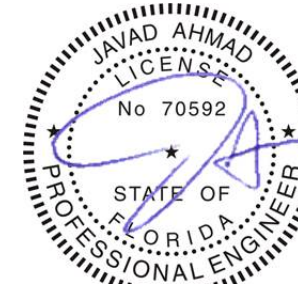
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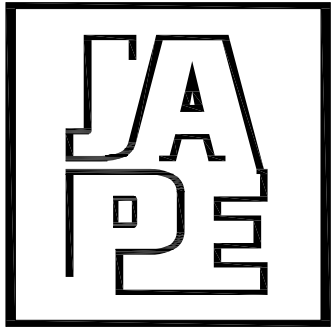


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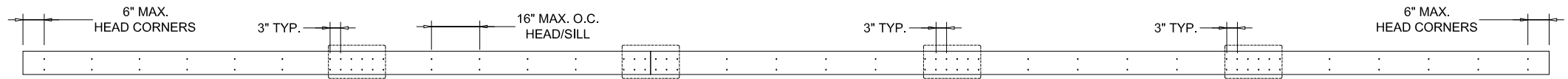


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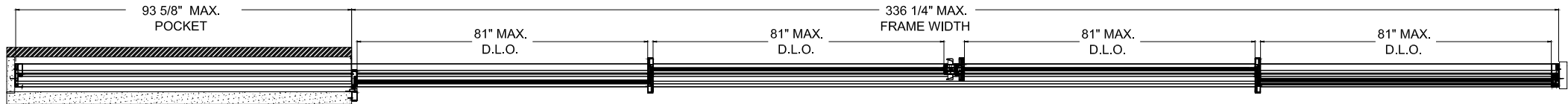
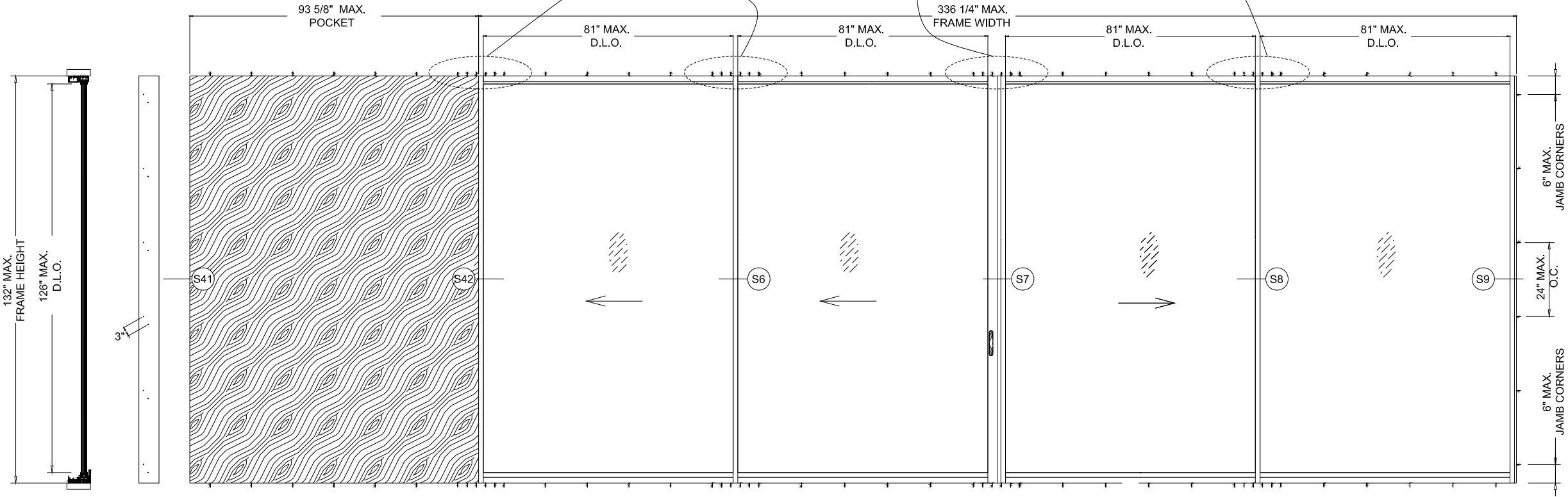
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CLUSTERS OF ANCHORS AT HEAD/SILL
AT 3" O.C. SEE ANCHOR PATTERNS &
PRESSURE CHARTS AT SHEET 08 & 09



DESIGN PRESSURE
MAX. +100 / -100 PSF

NOTES:
SEE SHEETS 06, 07& 08 FOR
DETAILED PRESSURE CHARTS.

TYPICAL ELEVATION
PXX-XO

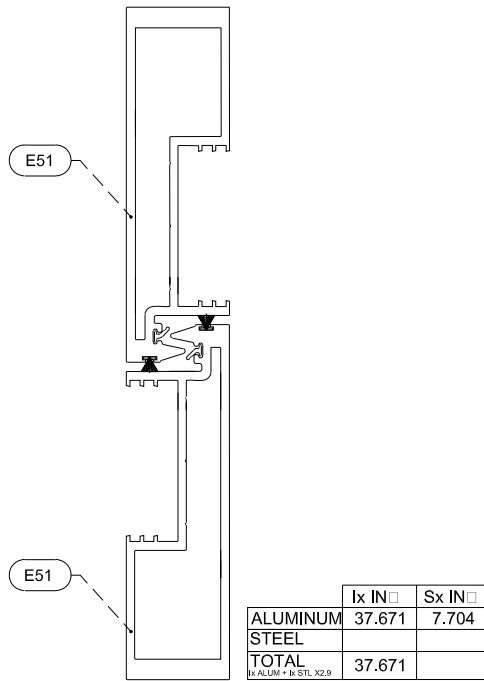
NOTES:
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IMPACT. SHUTTERS ARE NOT REQUIRED.

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JOINT, MULLION SEAMS AND GLAZING BEAD TO
FRAME SEALED WITH SILICONE SEALANT.

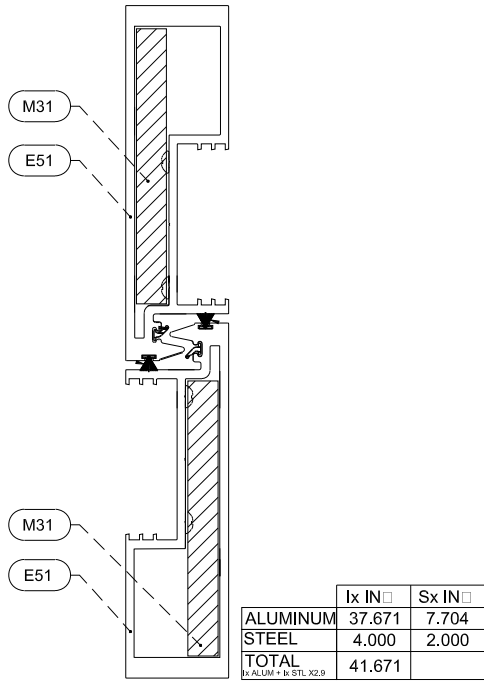
DOOR INTERLOCKS ALLOWABLE PRESSURE CHARTS:

INTERLOCK DESIGN LOAD CAPACITY (PSF)			
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	W/O REINF.	W REINF.
		+/- PSF	+/- PSF
36	102	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		100.0	100.0
36	108	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		100.0	100.0
36	114	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		100.0	100.0
36	120	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		100.0	100.0
36	126	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		94.8	100.0
36	132	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		100.0	100.0
84		86.4	100.0

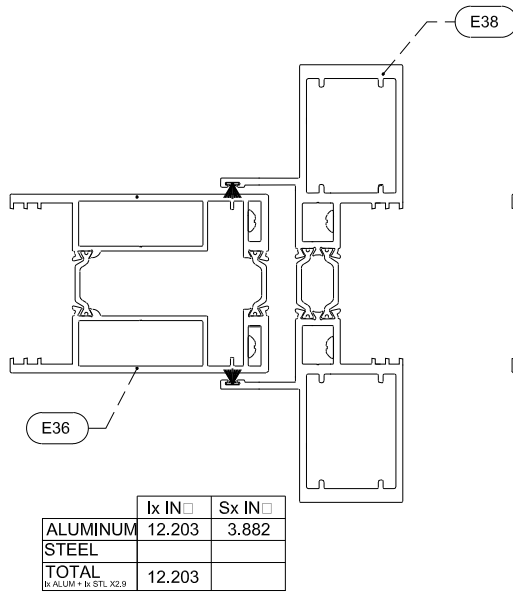
MEETING STILE DESIGN LOAD CAPACITY (PSF)			
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	W/O REINF.	W REINF.
		+/- PSF	+/- PSF
36	102	100.0	100.0
48		100.0	100.0
60		100.0	100.0
72		85.1	100.0
84		72.9	100.0
36	108	100.0	100.0
48		100.0	100.0
60		91.1	100.0
72		75.9	100.0
84		65.0	95.3
36	114	100.0	100.0
48		100.0	100.0
60		81.7	100.0
72		68.1	91.9
84		58.4	83.4
36	120	100.0	100.0
48		91.2	100.0
60		73.0	94.2
72		60.8	81.7
84		52.1	73.7
36	126	100.0	100.0
48		78.8	100.0
60		63.0	84.7
72		52.5	73.2
84		45.0	65.6
36	132	91.4	100.0
48		68.5	93.3
60		54.8	76.6
72		45.7	66.0
84		39.1	58.9



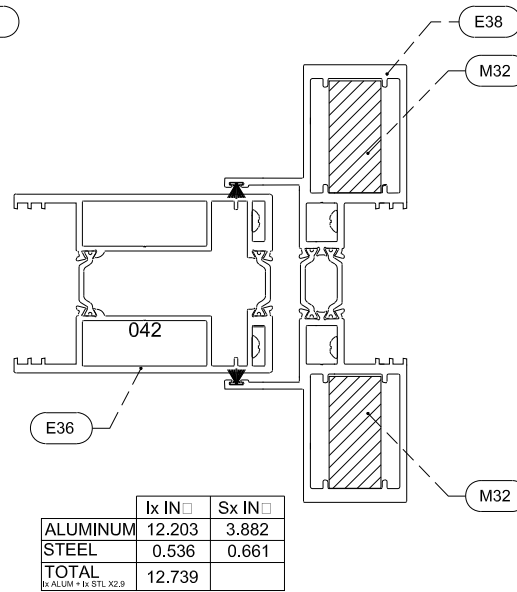
STANDARD INTERLOCK
SCALE = 4-1/2" = 1'-0"



INTERLOCK W/ REINF.
SCALE = 4-1/2" = 1'-0"

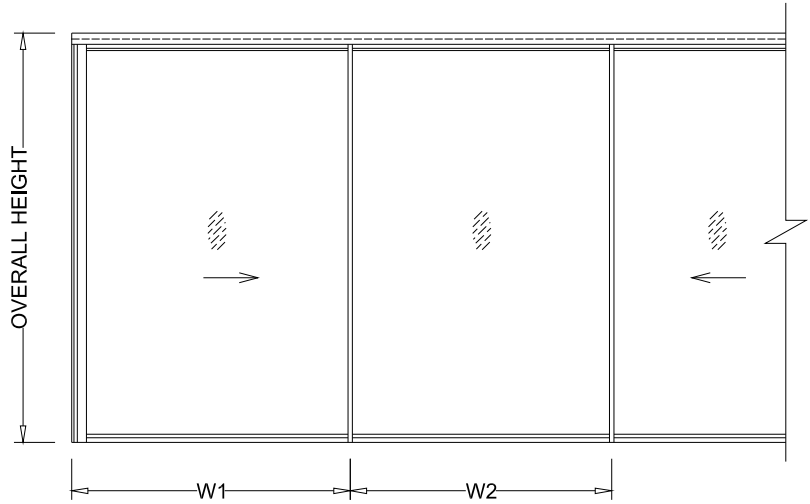


STANDARD ASTRAGAL
SCALE = 4-1/2" = 1'-0"



ASTRAGAL W/ REINF.
SCALE = 4-1/2" = 1'-0"

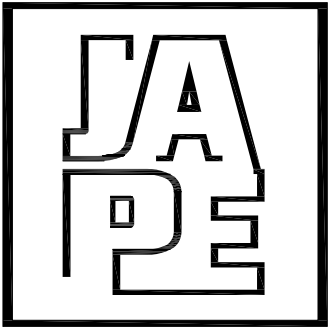
NOTE: INTERPOLATION BETWEEN WIDTHS IS ALLOWED



AT FRAME JAMBS, AVERAGE
PANEL WIDTH, W = W1

AT FRAME MULLIONS, AVERAGE
PANEL WIDTH, W = (W1 + W2) / 2

FOR SGDs ALL CONFIG.



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PRODUCT :

ES-SGD1515T
(L.M.I.)

CLIENT :

E.S. WINDOWS, LLC

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MIAMI, FL 33142
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REVISION

No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC

Date: 09-03-26

Scale: N/A

Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 09-04-2026

FL# 47930.2

07

OF 28

CLUSTER ANCHORS ALLOWABLE PRESSURE CHARTS:

FOR 2 TRACK & 4 TRACK SLIDING GLASS DOOR

ANCHORS 'A' & 'B' LOAD CHART - 1/4" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		4	8	12	16
36	102	100.0	100.0	100.0	100.0
48		88.8	100.0	100.0	100.0
60		71.0	100.0	100.0	100.0
72		59.2	100.0	100.0	100.0
84		50.7	100.0	100.0	100.0
36	108	100.0	100.0	100.0	100.0
48		83.8	100.0	100.0	100.0
60		67.1	100.0	100.0	100.0
72		55.9	100.0	100.0	100.0
84		47.9	95.8	100.0	100.0
36	114	100.0	100.0	100.0	100.0
48		79.4	100.0	100.0	100.0
60		63.5	100.0	100.0	100.0
72		52.9	100.0	100.0	100.0
84		45.4	90.8	100.0	100.0
36	120	100.0	100.0	100.0	100.0
48		75.5	100.0	100.0	100.0
60		60.4	100.0	100.0	100.0
72		50.3	100.0	100.0	100.0
84		43.1	86.2	100.0	100.0
36	126	95.8	100.0	100.0	100.0
48		71.9	100.0	100.0	100.0
60		57.5	100.0	100.0	100.0
72		47.9	95.8	100.0	100.0
84		41.1	82.1	100.0	100.0
36	132	91.5	100.0	100.0	100.0
48		68.6	100.0	100.0	100.0
60		54.9	100.0	100.0	100.0
72		45.7	91.5	100.0	100.0
84		39.2	78.4	100.0	100.0

ANCHORS 'A' & 'B' LOAD CHART - 3/8" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		4	8	12	16
36	102	85.1	100.0	100.0	100.0
48		63.8	100.0	100.0	100.0
60		51.1	100.0	100.0	100.0
72		42.6	85.1	100.0	100.0
84		36.5	72.9	100.0	100.0
36	108	80.4	100.0	100.0	100.0
48		60.3	100.0	100.0	100.0
60		48.2	96.4	100.0	100.0
72		40.2	80.4	100.0	100.0
84		34.4	68.9	100.0	100.0
36	114	76.1	100.0	100.0	100.0
48		57.1	100.0	100.0	100.0
60		45.7	91.4	100.0	100.0
72		38.1	76.1	100.0	100.0
84		32.6	65.3	97.9	100.0
36	120	72.3	100.0	100.0	100.0
48		54.3	100.0	100.0	100.0
60		43.4	86.8	100.0	100.0
72		36.2	72.3	100.0	100.0
84		31.0	62.0	93.0	100.0
36	126	68.9	100.0	100.0	100.0
48		51.7	100.0	100.0	100.0
60		41.3	82.7	100.0	100.0
72		34.4	68.9	100.0	100.0
84		29.5	59.0	88.6	100.0
36	132	65.8	100.0	100.0	100.0
48		49.3	98.6	100.0	100.0
60		39.5	78.9	100.0	100.0
72		32.9	65.8	98.6	100.0
84		28.2	56.4	84.5	100.0

FOR 3 TRACK SLIDING GLASS DOOR

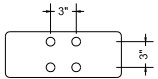
ANCHORS 'A' & 'B' LOAD CHART - 1/4" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		6	9	12	15
36	102	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0
72		88.8	100.0	100.0	100.0
84		76.1	100.0	100.0	100.0
36	108	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		100.0	100.0	100.0	100.0
72		83.8	100.0	100.0	100.0
84		71.9	100.0	100.0	100.0
36	114	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		95.3	100.0	100.0	100.0
72		79.4	100.0	100.0	100.0
84		68.1	100.0	100.0	100.0
36	120	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		90.5	100.0	100.0	100.0
72		75.5	100.0	100.0	100.0
84		64.7	97.0	100.0	100.0
36	126	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		86.2	100.0	100.0	100.0
72		71.9	100.0	100.0	100.0
84		61.6	92.4	100.0	100.0
36	132	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0
60		82.3	100.0	100.0	100.0
72		68.6	100.0	100.0	100.0
84		58.8	88.2	100.0	100.0

ANCHORS 'A' & 'B' LOAD CHART - 3/8" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		6	9	12	15
36	102	100.0	100.0	100.0	100.0
48		95.7	100.0	100.0	100.0
60		76.6	100.0	100.0	100.0
72		63.8	95.7	100.0	100.0
84		54.7	82.1	100.0	100.0
36	108	100.0	100.0	100.0	100.0
48		90.4	100.0	100.0	100.0
60		72.3	100.0	100.0	100.0
72		60.3	90.4	100.0	100.0
84		51.7	77.5	100.0	100.0
36	114	100.0	100.0	100.0	100.0
48		85.7	100.0	100.0	100.0
60		68.5	100.0	100.0	100.0
72		57.1	85.7	100.0	100.0
84		48.9	73.4	97.9	100.0
36	120	100.0	100.0	100.0	100.0
48		81.4	100.0	100.0	100.0
60		65.1	97.7	100.0	100.0
72		54.3	81.4	100.0	100.0
84		46.5	69.8	93.0	100.0
36	126	100.0	100.0	100.0	100.0
48		77.5	100.0	100.0	100.0
60		62.0	93.0	100.0	100.0
72		51.7	77.5	100.0	100.0
84		44.3	66.4	88.6	100.0
36	132	98.6	100.0	100.0	100.0
48		74.0	100.0	100.0	100.0
60		59.2	88.8	100.0	100.0
72		49.3	74.0	98.6	100.0
84		42.3	63.4	84.5	100.0

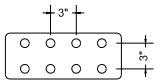
ANCHORS PATTERN AT INTERLOCK & ASTRAGAL ENDS:

2 TRACK DOOR

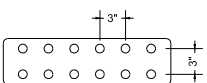
CLUSTER OF (4) ANCHORS:



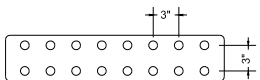
CLUSTER OF (8) ANCHORS:



CLUSTER OF (12) ANCHORS:

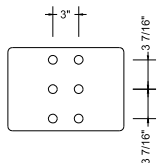


CLUSTER OF (16) ANCHORS:

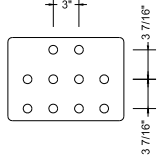


3 TRACK DOOR

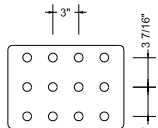
CLUSTER OF (6) ANCHORS:



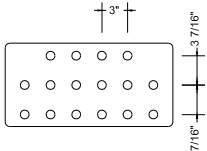
CLUSTER OF (10) ANCHORS:



CLUSTER OF (12) ANCHORS:

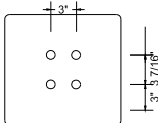


CLUSTER OF (16) ANCHORS:

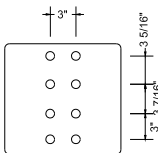


4 TRACK DOOR

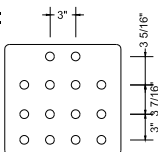
CLUSTER OF (4) ANCHORS:



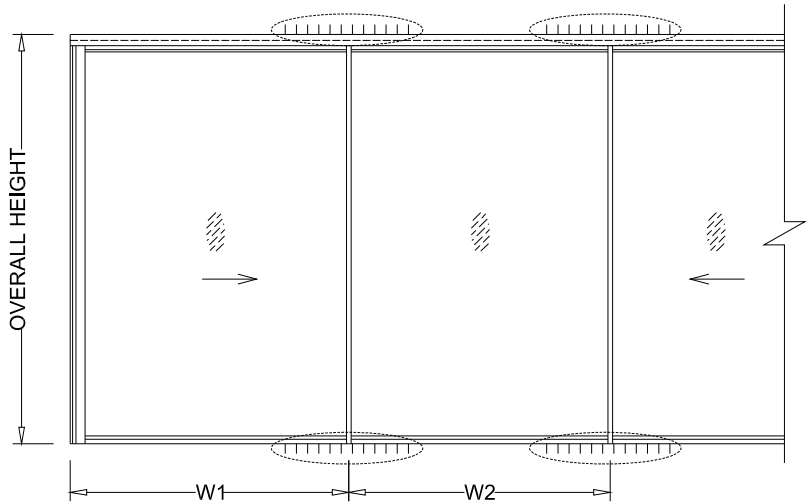
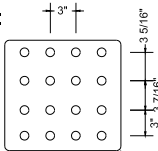
CLUSTER OF (8) ANCHORS:



CLUSTER OF (14) ANCHORS:



CLUSTER OF (16) ANCHORS:



FOR SGD's ALL CONFIG.

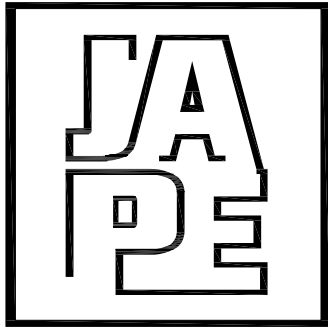
AT FRAME JAMBS, AVERAGE
PANEL WIDTH, W = W1

AT FRAME MULLIONS, AVERAGE
PANEL WIDTH, W = (W1 + W2) / 2

SEE CLUSTER ANCHOR PATTERN ON THE LEFT

NOTE: INTERPOLATION BETWEEN
WIDTHS OR HEIGHTS IS ALLOWED

FL# 47930.2



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PRODUCT :

ES-SGD1515T
(L.M.I.)

CLIENT :

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MIAMI, FL 33142
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FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC

Date: 09-03-26

Scale: N/A

Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



SEALED: 09-04-2026

08

OF 28

CLUSTER ANCHORS ALLOWABLE PRESSURE CHARTS:

FOR 2 TRACK & 4 TRACK SLIDING GLASS DOOR

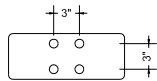
ANCHORS 'C' LOAD CHART - 1/4" MAX. SHIM (PSF)						ANCHORS 'C' LOAD CHART - 3/8" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS				AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		4	8	12	16			4	8	12	16
36	102	100.0	100.0	100.0	100.0	36	102	80.3	100.0	100.0	100.0
48		83.2	100.0	100.0	100.0	48		60.2	100.0	100.0	100.0
60		66.5	100.0	100.0	100.0	60		48.2	96.4	100.0	100.0
72		55.4	100.0	100.0	100.0	72		40.2	80.3	100.0	100.0
84		47.5	95.0	100.0	100.0	84		34.4	68.9	100.0	100.0
36	108	100.0	100.0	100.0	100.0	36	108	75.9	100.0	100.0	100.0
48		78.5	100.0	100.0	100.0	48		56.9	100.0	100.0	100.0
60		62.8	100.0	100.0	100.0	60		45.5	91.0	100.0	100.0
72		52.4	100.0	100.0	100.0	72		37.9	75.9	100.0	100.0
84		44.9	89.8	100.0	100.0	84		32.5	65.0	97.5	100.0
36	114	99.2	100.0	100.0	100.0	36	114	71.9	100.0	100.0	100.0
48		74.4	100.0	100.0	100.0	48		53.9	100.0	100.0	100.0
60		59.5	100.0	100.0	100.0	60		43.1	86.2	100.0	100.0
72		49.6	99.2	100.0	100.0	72		35.9	71.9	100.0	100.0
84		42.5	85.0	100.0	100.0	84		30.8	61.6	92.4	100.0
36	120	94.3	100.0	100.0	100.0	36	120	68.3	100.0	100.0	100.0
48		70.7	100.0	100.0	100.0	48		51.2	100.0	100.0	100.0
60		56.6	100.0	100.0	100.0	60		41.0	81.9	100.0	100.0
72		47.1	94.3	100.0	100.0	72		34.1	68.3	100.0	100.0
84		40.4	80.8	100.0	100.0	84		29.3	58.5	87.8	100.0
36	126	89.8	100.0	100.0	100.0	36	126	65.0	100.0	100.0	100.0
48		67.3	100.0	100.0	100.0	48		48.8	97.5	100.0	100.0
60		53.9	100.0	100.0	100.0	60		39.0	78.0	100.0	100.0
72		44.9	89.8	100.0	100.0	72		32.5	65.0	97.5	100.0
84		38.5	76.9	100.0	100.0	84		27.9	55.7	83.6	100.0
36	132	85.7	100.0	100.0	100.0	36	132	62.1	100.0	100.0	100.0
48		64.3	100.0	100.0	100.0	48		46.6	93.1	100.0	100.0
60		51.4	100.0	100.0	100.0	60		37.2	74.5	100.0	100.0
72		42.8	85.7	100.0	100.0	72		31.0	62.1	93.1	100.0
84		36.7	73.4	100.0	100.0	84		26.6	53.2	79.8	100.0

FOR 3 TRACK SLIDING GLASS DOOR

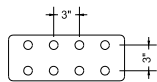
ANCHORS 'C' LOAD CHART - 1/4" MAX. SHIM (PSF)						ANCHORS 'C' LOAD CHART - 3/8" MAX. SHIM (PSF)					
AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS				AVG. PANEL WIDTH (INCH)	OVERALL HEIGHT (INCH)	CLUSTER ANCHORS @ MTG. STILE ENDS			
		6	9	12	15			6	9	12	15
36	102	100.0	100.0	100.0	100.0	36	102	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	48		90.4	100.0	100.0	100.0
60		99.8	100.0	100.0	100.0	60		72.3	100.0	100.0	100.0
72		83.2	100.0	100.0	100.0	72		60.2	90.4	100.0	100.0
84		71.3	100.0	100.0	100.0	84		51.6	77.5	100.0	100.0
36	108	100.0	100.0	100.0	100.0	36	108	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	48		85.3	100.0	100.0	100.0
60		94.3	100.0	100.0	100.0	60		68.3	100.0	100.0	100.0
72		78.5	100.0	100.0	100.0	72		56.9	85.3	100.0	100.0
84		67.3	100.0	100.0	100.0	84		48.8	73.2	97.5	100.0
36	114	100.0	100.0	100.0	100.0	36	114	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	48		80.9	100.0	100.0	100.0
60		89.3	100.0	100.0	100.0	60		64.7	97.0	100.0	100.0
72		74.4	100.0	100.0	100.0	72		53.9	80.9	100.0	100.0
84		63.8	95.7	100.0	100.0	84		46.2	69.3	92.4	100.0
36	120	100.0	100.0	100.0	100.0	36	120	100.0	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	48		76.8	100.0	100.0	100.0
60		84.8	100.0	100.0	100.0	60		61.4	92.2	100.0	100.0
72		70.7	100.0	100.0	100.0	72		51.2	76.8	100.0	100.0
84		60.6	90.9	100.0	100.0	84		43.9	65.8	87.8	100.0
36	126	100.0	100.0	100.0	100.0	36	126	97.5	100.0	100.0	100.0
48		100.0	100.0	100.0	100.0	48		73.2	100.0	100.0	100.0
60		80.8	100.0	100.0	100.0	60		58.5	87.8	100.0	100.0
72		67.3	100.0	100.0	100.0	72		48.8	73.2	97.5	100.0
84		57.7	86.6	100.0	100.0	84		41.8	62.7	83.6	100.0
36	132	100.0	100.0	100.0	100.0	36	132	93.1	100.0	100.0	100.0
48		96.4	100.0	100.0	100.0	48		69.8	100.0	100.0	100.0
60		77.1	100.0	100.0	100.0	60		55.9	83.8	100.0	100.0
72		64.3	96.4	100.0	100.0	72		46.6	69.8	93.1	100.0
84		55.1	82.6	100.0	100.0	84		39.9	59.9	79.8	99.8

ANCHORS PATTERN AT INTERLOCK & ASTRAGAL ENDS:

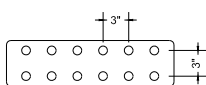
2 TRACK DOOR
CLUSTER OF (4) ANCHORS:



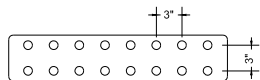
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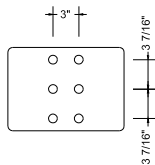
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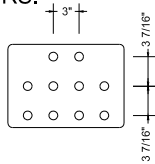
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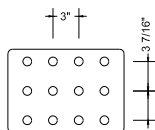
3 TRACK DOOR
CLUSTER OF (6) ANCHORS:



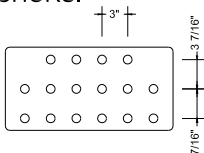
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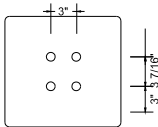
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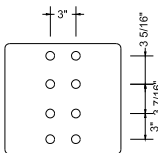
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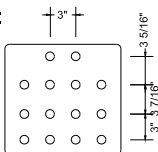
4 TRACK DOOR
CLUSTER OF (4) ANCHORS:



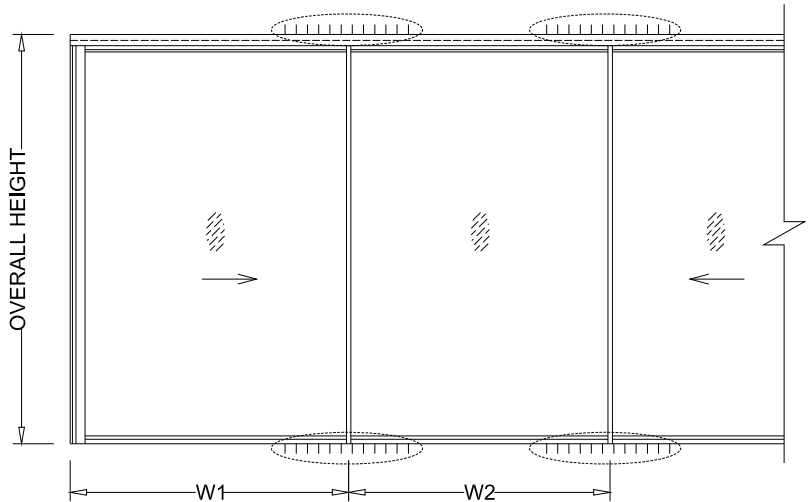
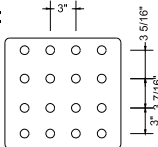
CLUSTER OF (8) ANCHORS:



CLUSTER OF (14) ANCHORS:



CLUSTER OF (16) ANCHORS:



FOR SGD's ALL CONFIG.

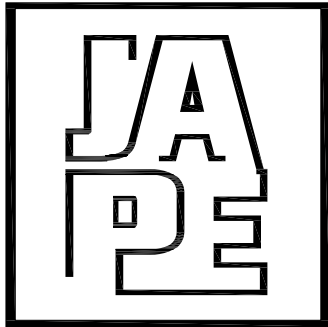
AT FRAME JAMBS, AVERAGE
PANEL WIDTH, W = W1

AT FRAME MULLIONS, AVERAGE
PANEL WIDTH, W = (W1 + W2) / 2

SEE CLUSTER ANCHOR PATTERN ON THE LEFT

NOTE: INTERPOLATION BETWEEN
WIDTHS OR HEIGHTS IS ALLOWED

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(L.M.I.)

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FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC

Date: 09-03-26

Scale: N/A

Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

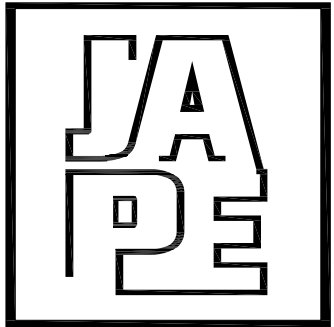
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



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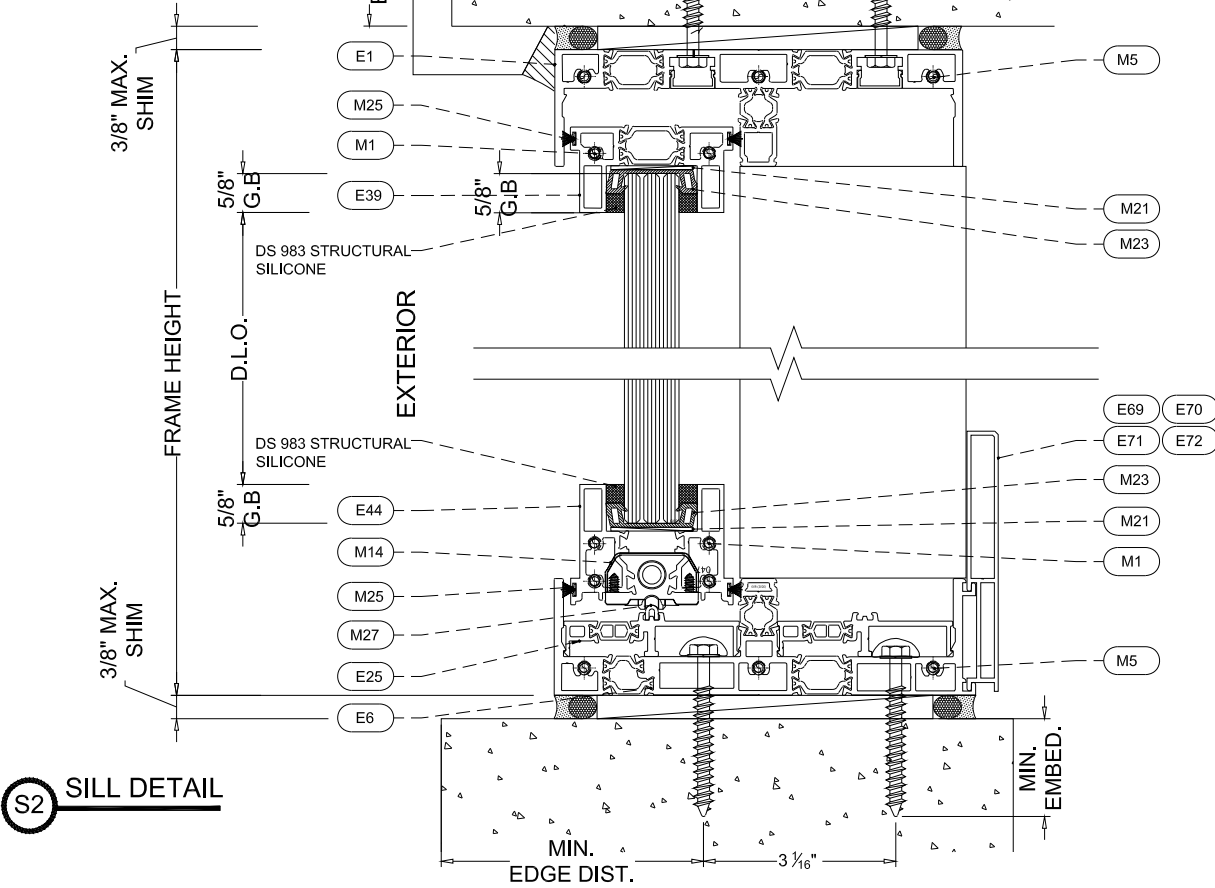
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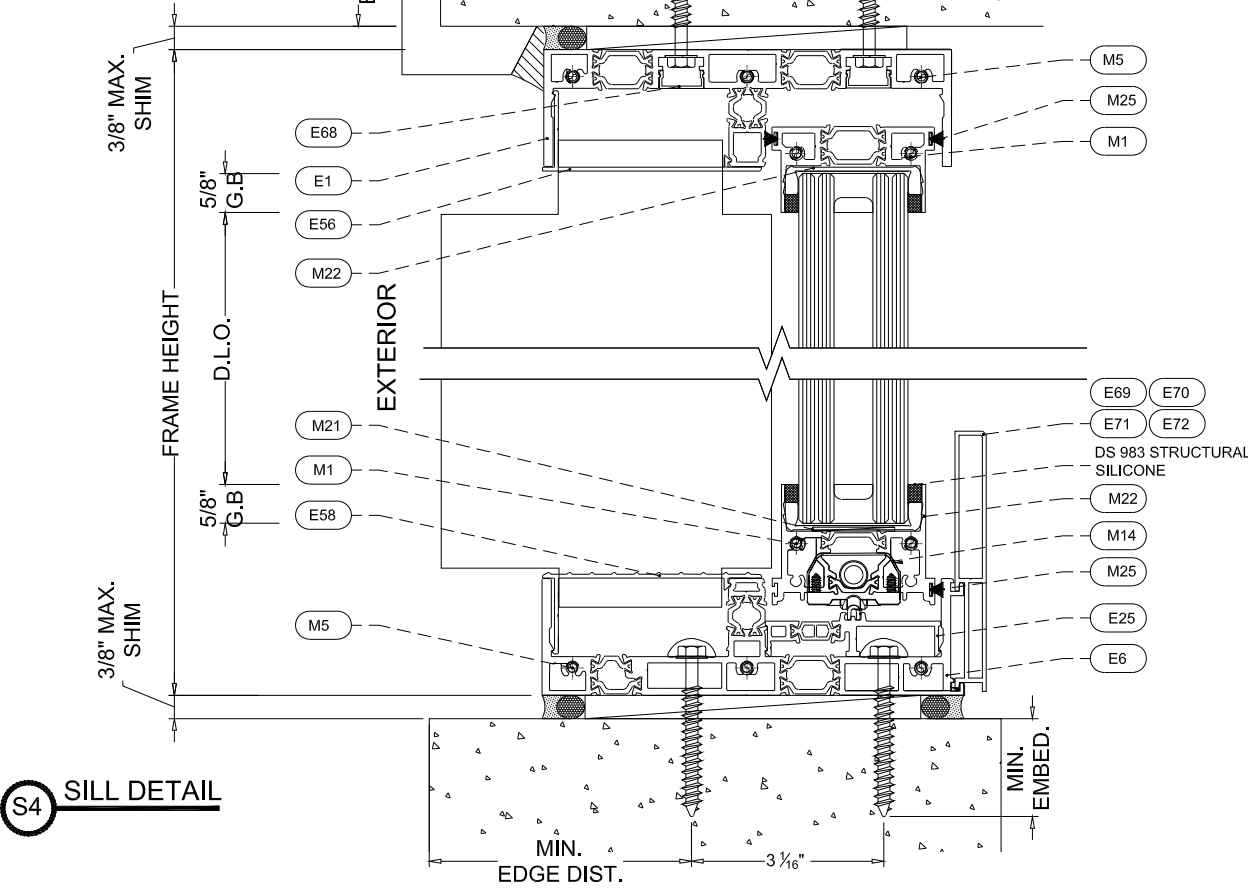
OF 28

S1 HEAD DETAIL



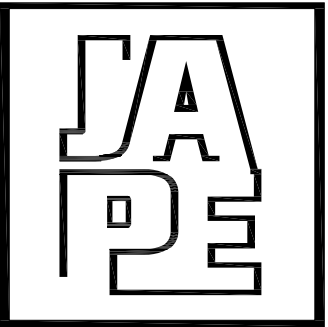
S2 SILL DETAIL

S3 HEAD DETAIL



S4 SILL DETAIL

2 TRACK SYSTEM



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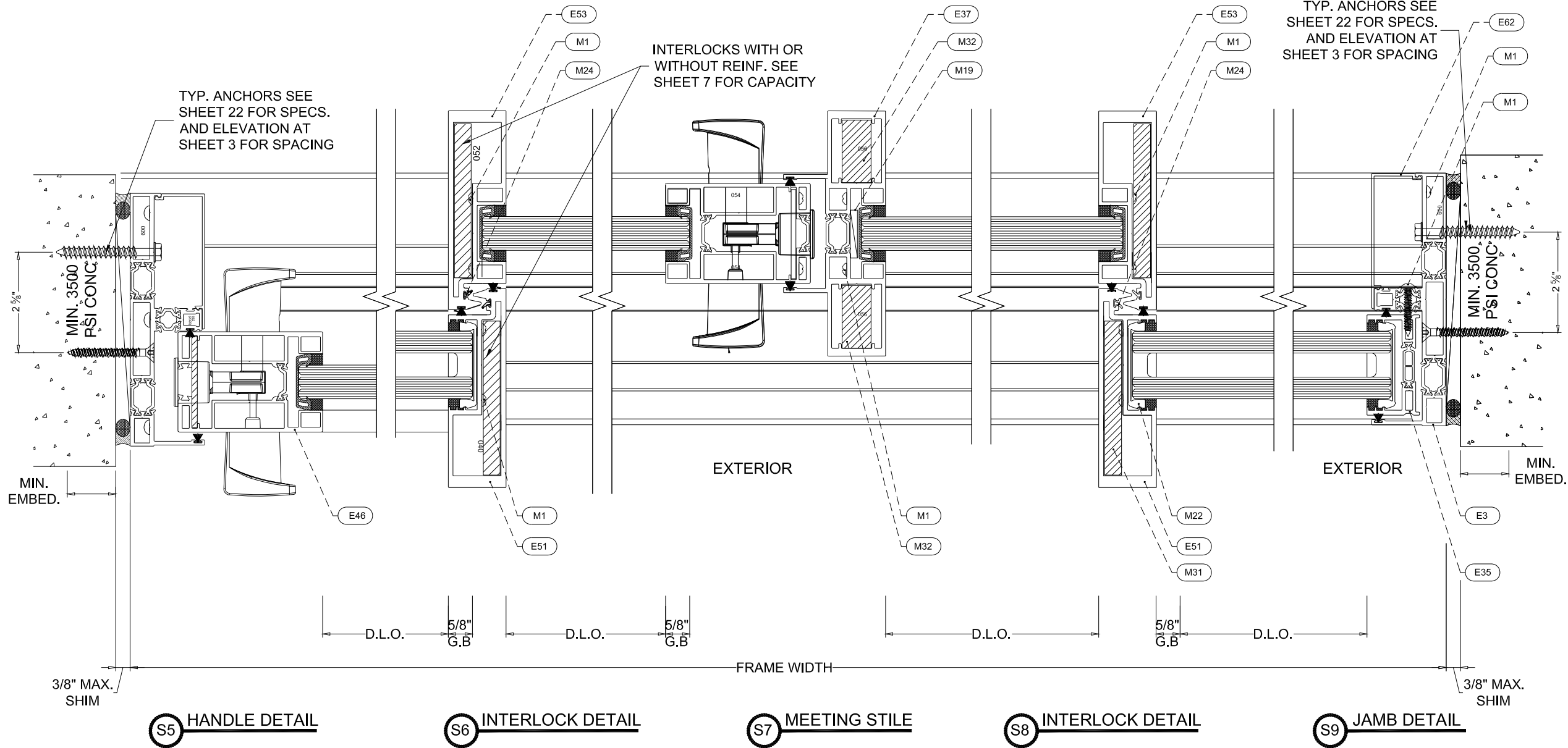


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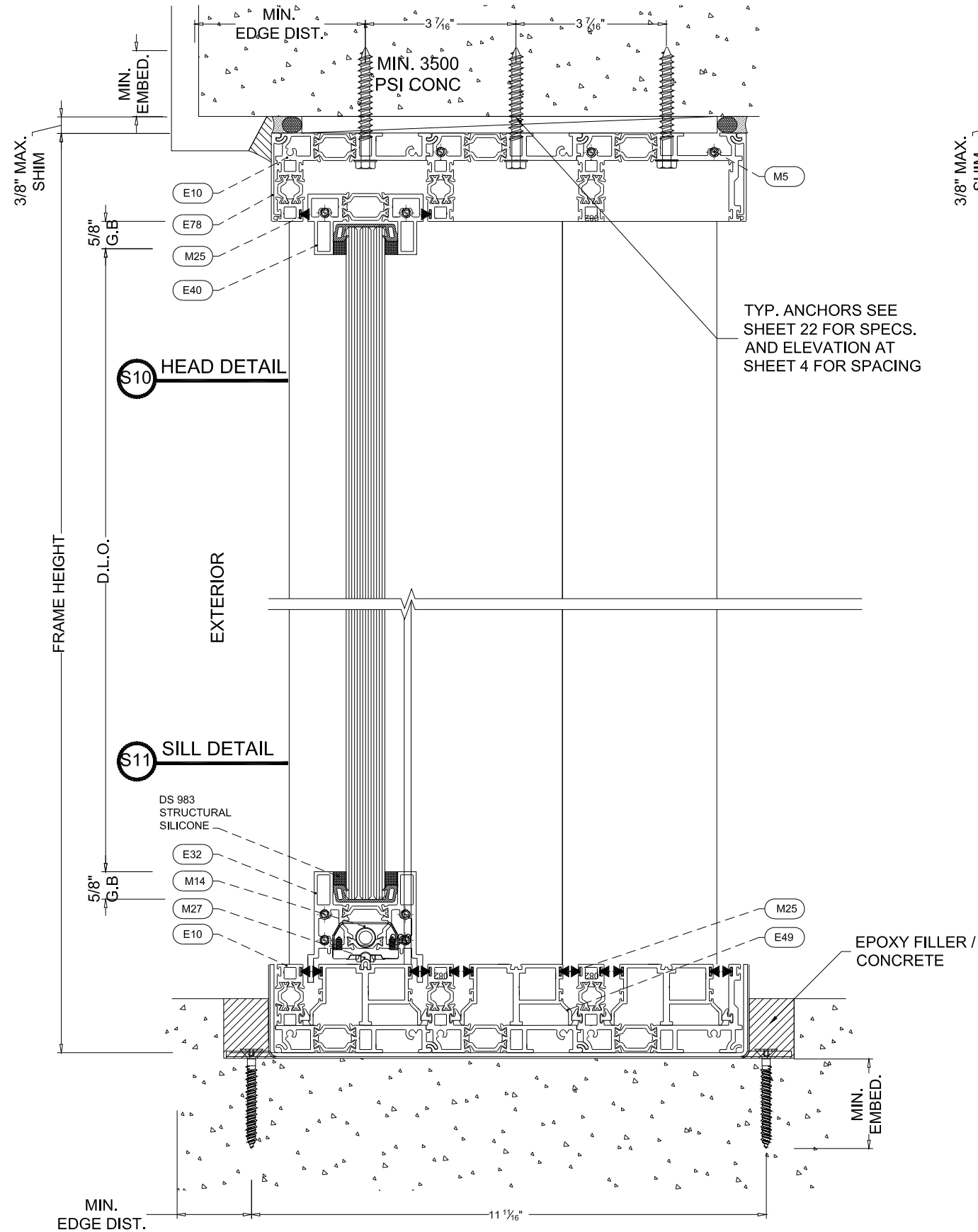
FL# 47930.2

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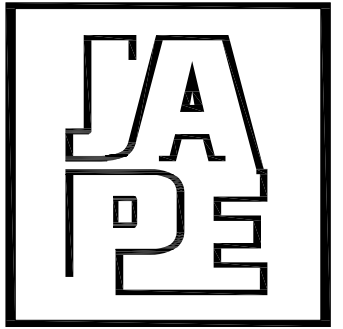
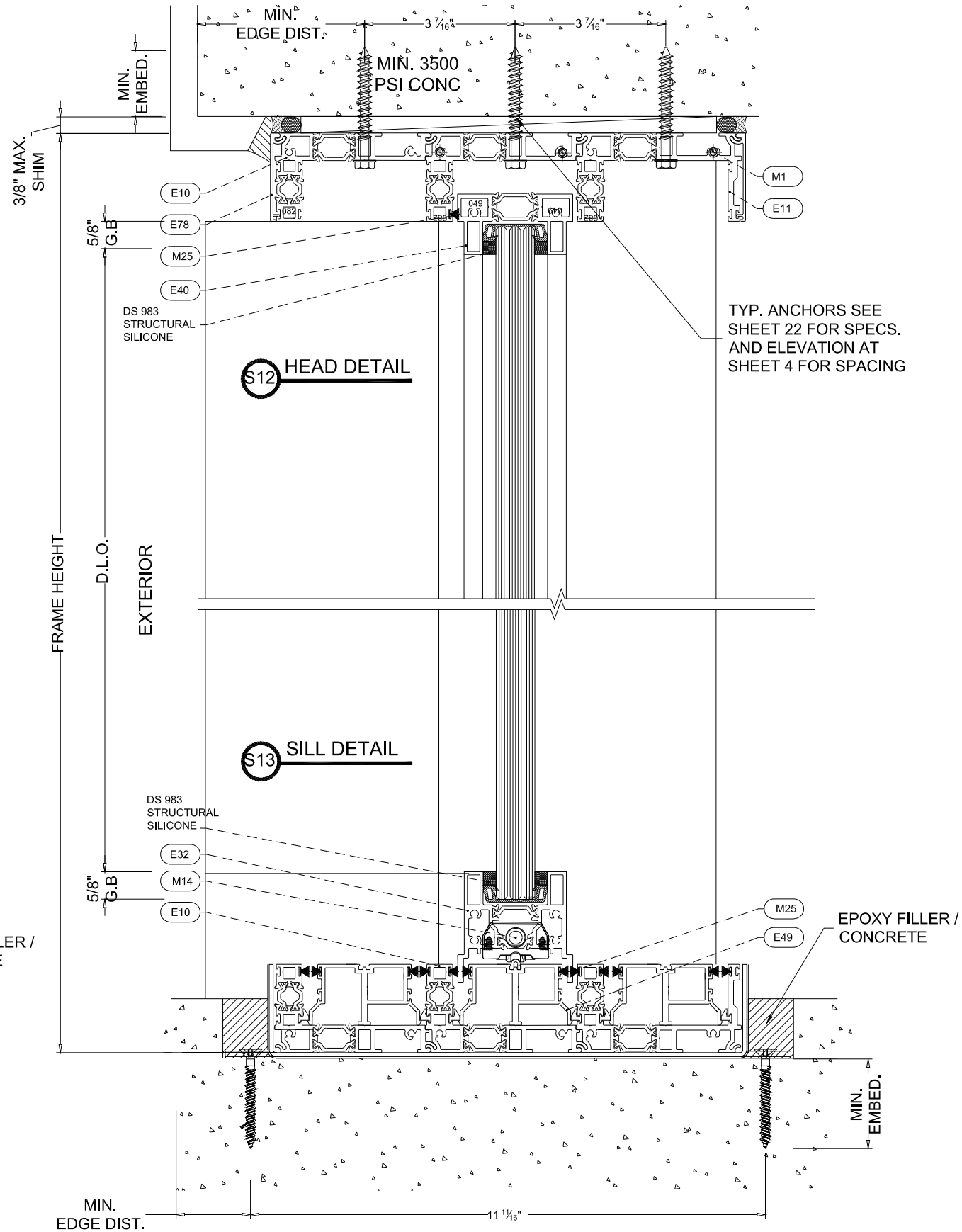
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2 TRACK SYSTEM



3 TRACK SYSTEM



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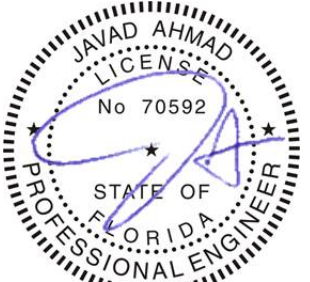
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Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

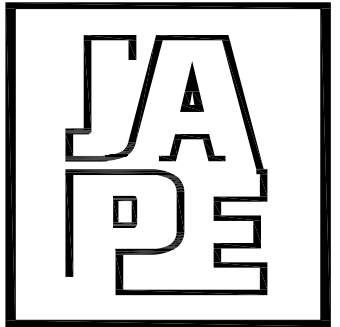
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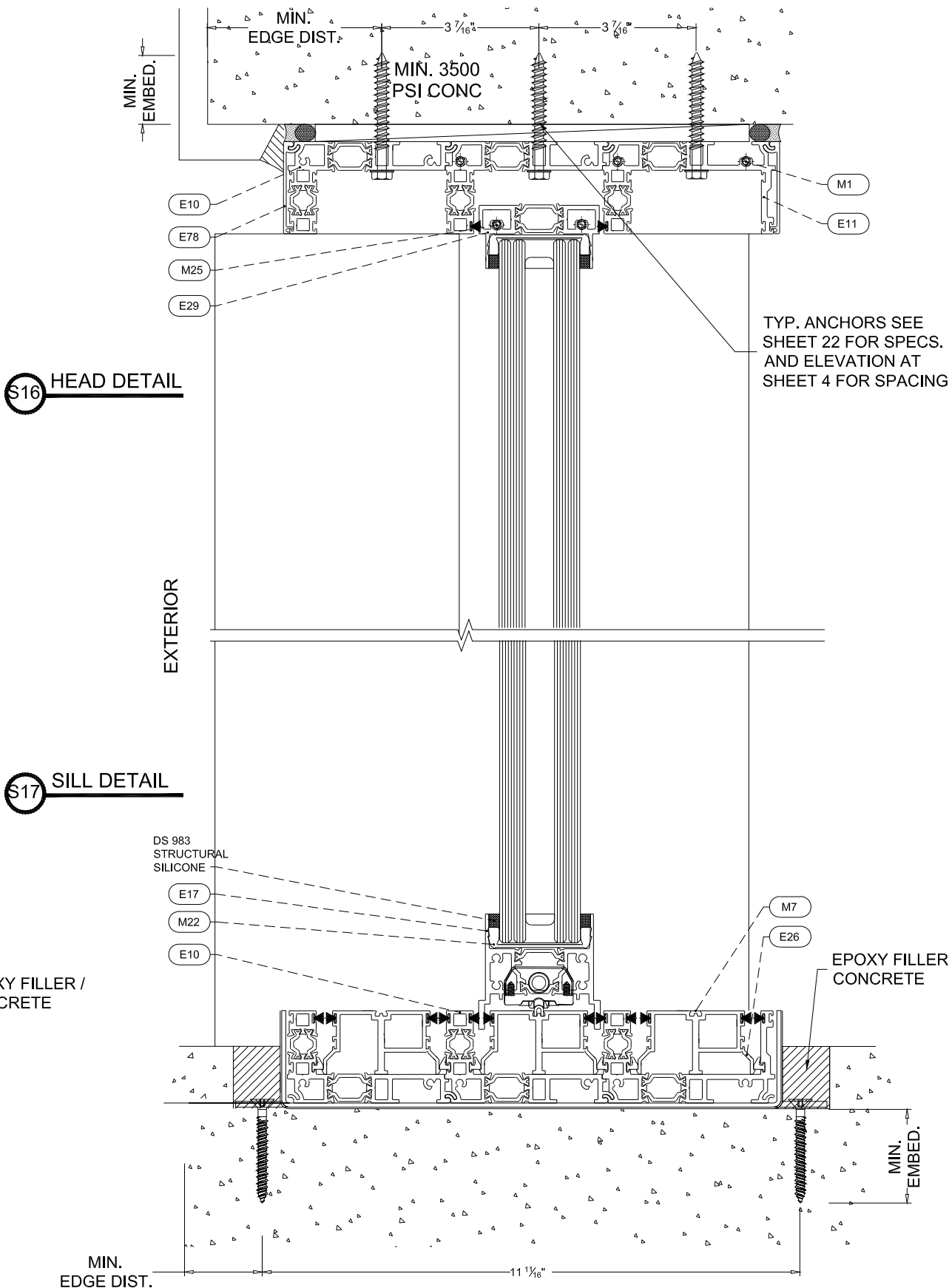
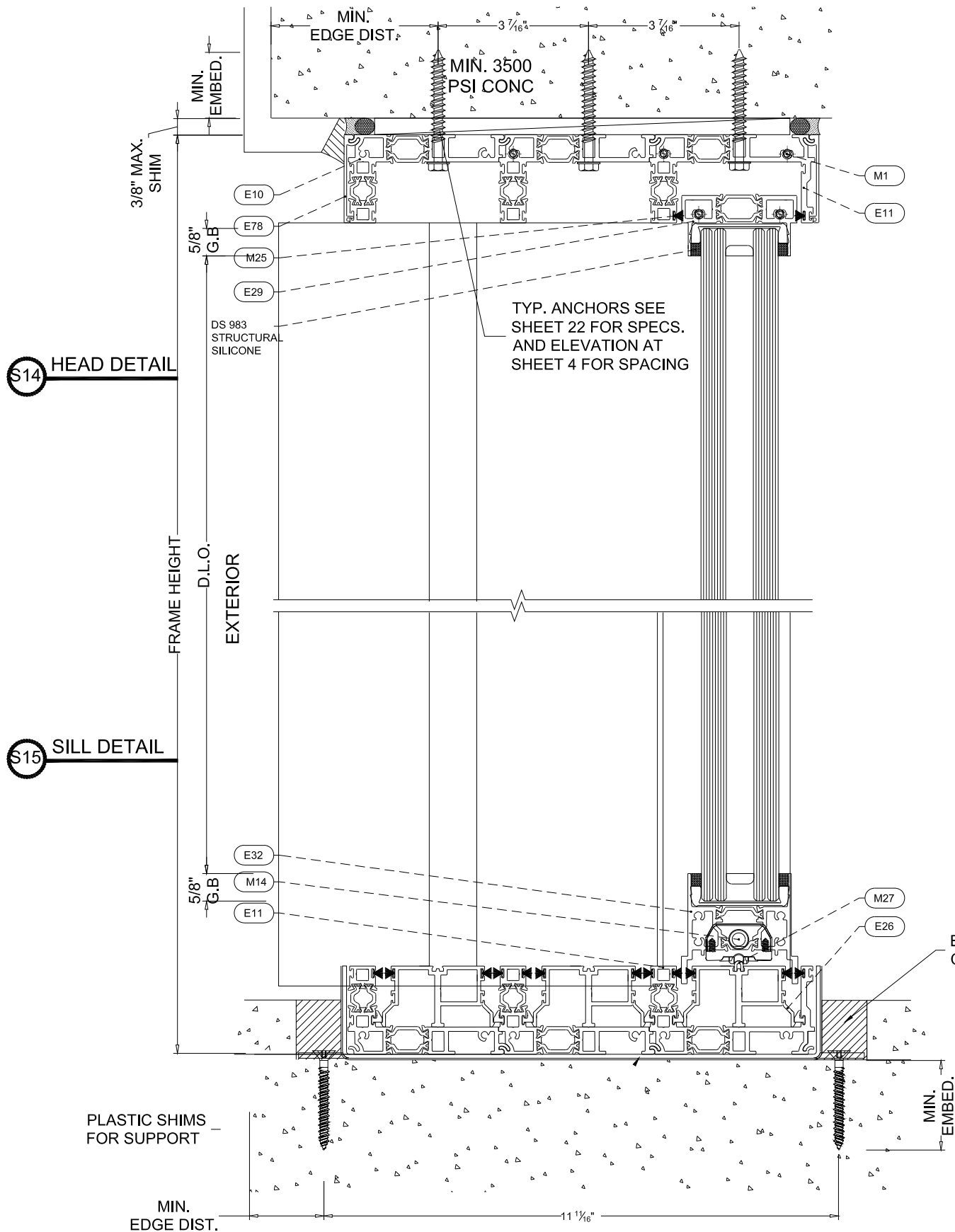


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OF 28



TYP. ANCHORS SEE
SHEET 22 FOR SPECS.
AND ELEVATION AT
SHEET 4 FOR SPACING

DS 983
STRUCTURAL
SILICONE

EPOXY FILLER /
CONCRETE

EPOXY FILLER /
CONCRETE

PLASTIC SHIMS
FOR SUPPORT

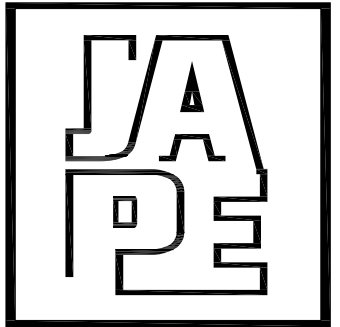
MIN.
EDGE DIST.

MIN.
EDGE DIST.

MIN.
EMBED.

MIN.
EMBED.

3 TRACK SYSTEM



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Scale: N/A

Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



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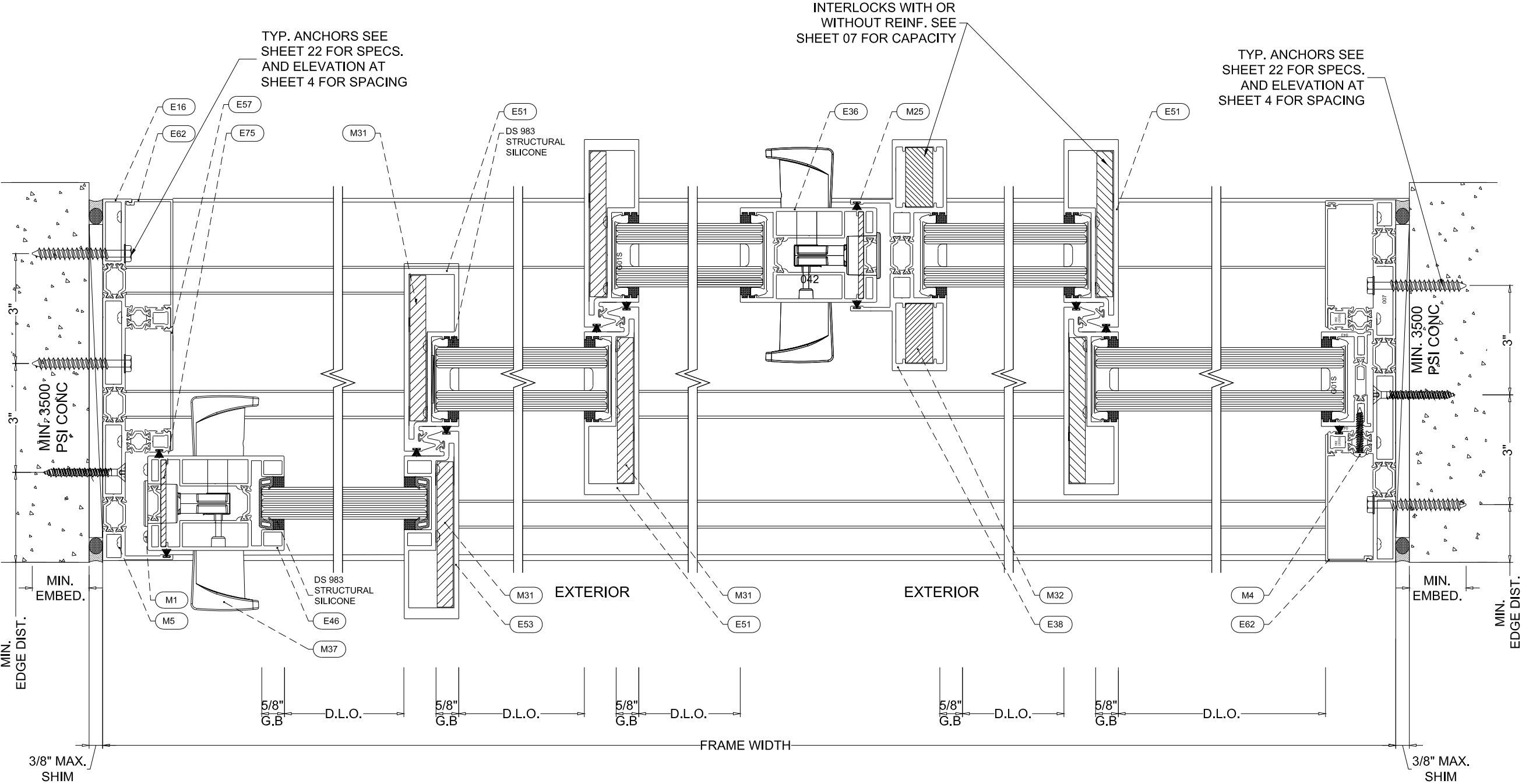
14

OF 28

INTERLOCKS WITH OR
WITHOUT REINF. SEE
SHEET 07 FOR CAPACITY

TYP. ANCHORS SEE
SHEET 22 FOR SPECS.
AND ELEVATION AT
SHEET 4 FOR SPACING

TYP. ANCHORS SEE
SHEET 22 FOR SPECS.
AND ELEVATION AT
SHEET 4 FOR SPACING



S18 HANDLE DETAIL

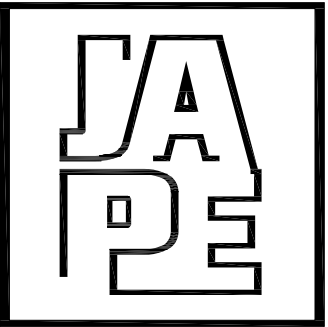
S19 INTERLOCK DETAIL S20

S21 MEETING STILE

S22 INTERLOCK DETAIL

S23 JAMB DETAIL

3 TRACK SYSTEM



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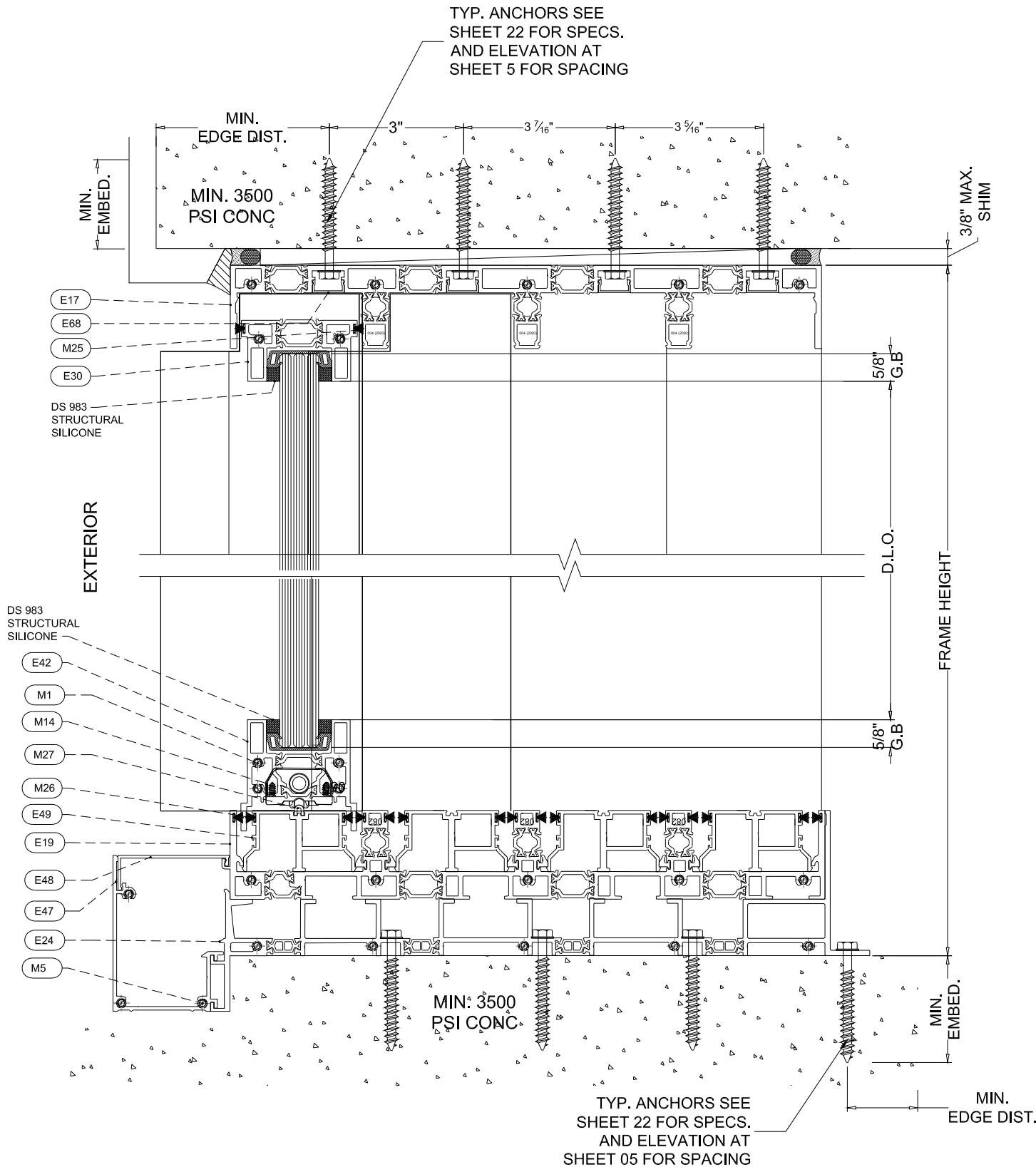
FL# 47930.2

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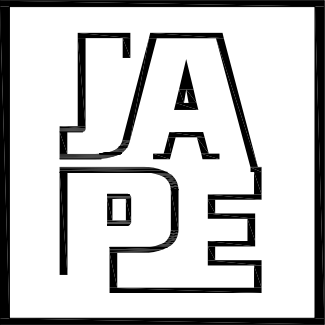
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S24 HEAD DETAIL

S25 SILL DETAIL



4 TRACK SYSTEM



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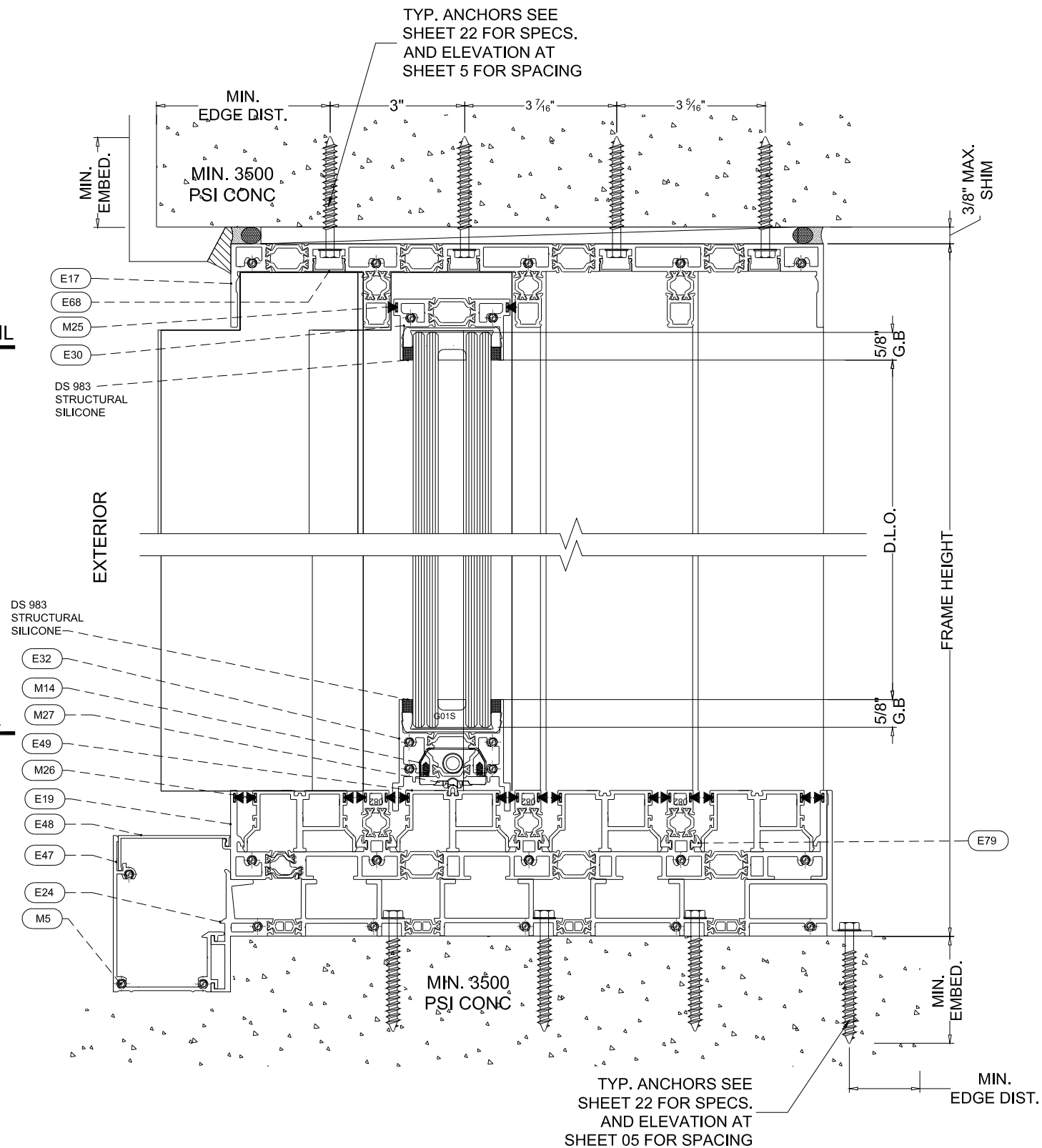
FL# 47930.2

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OF 28

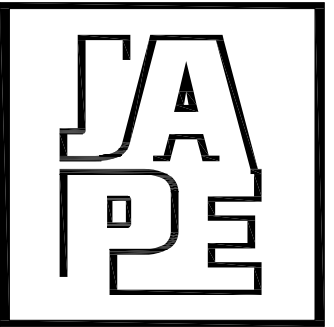
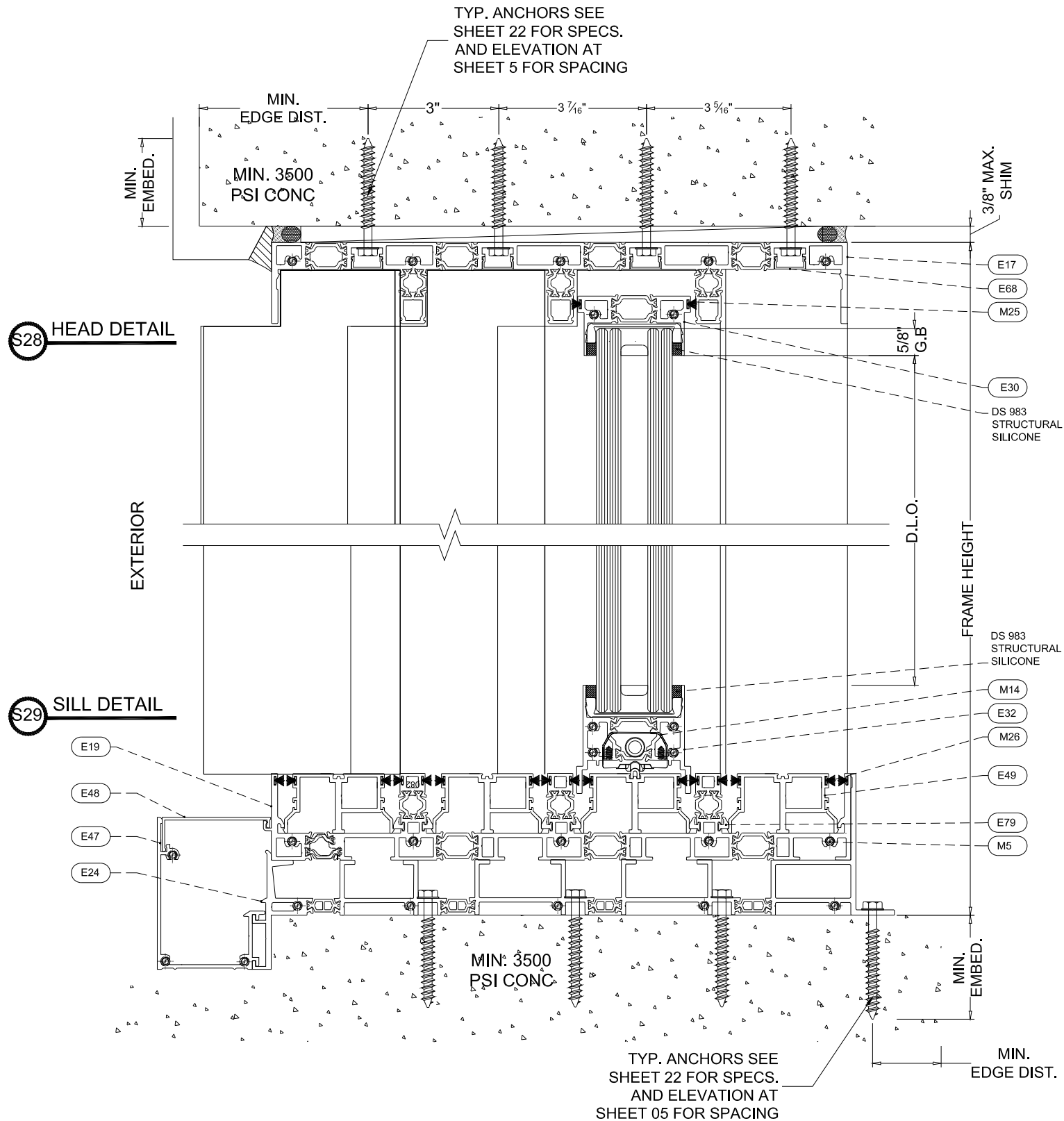
S26 HEAD DETAIL

S27 SILL DETAIL



4 TRACK SYSTEM

4 TRACK SYSTEM



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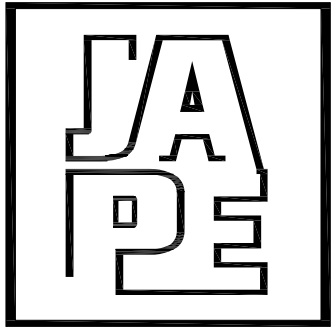


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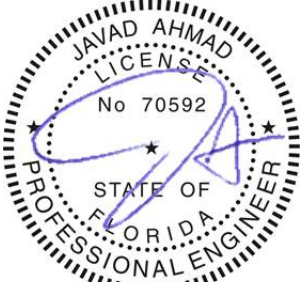
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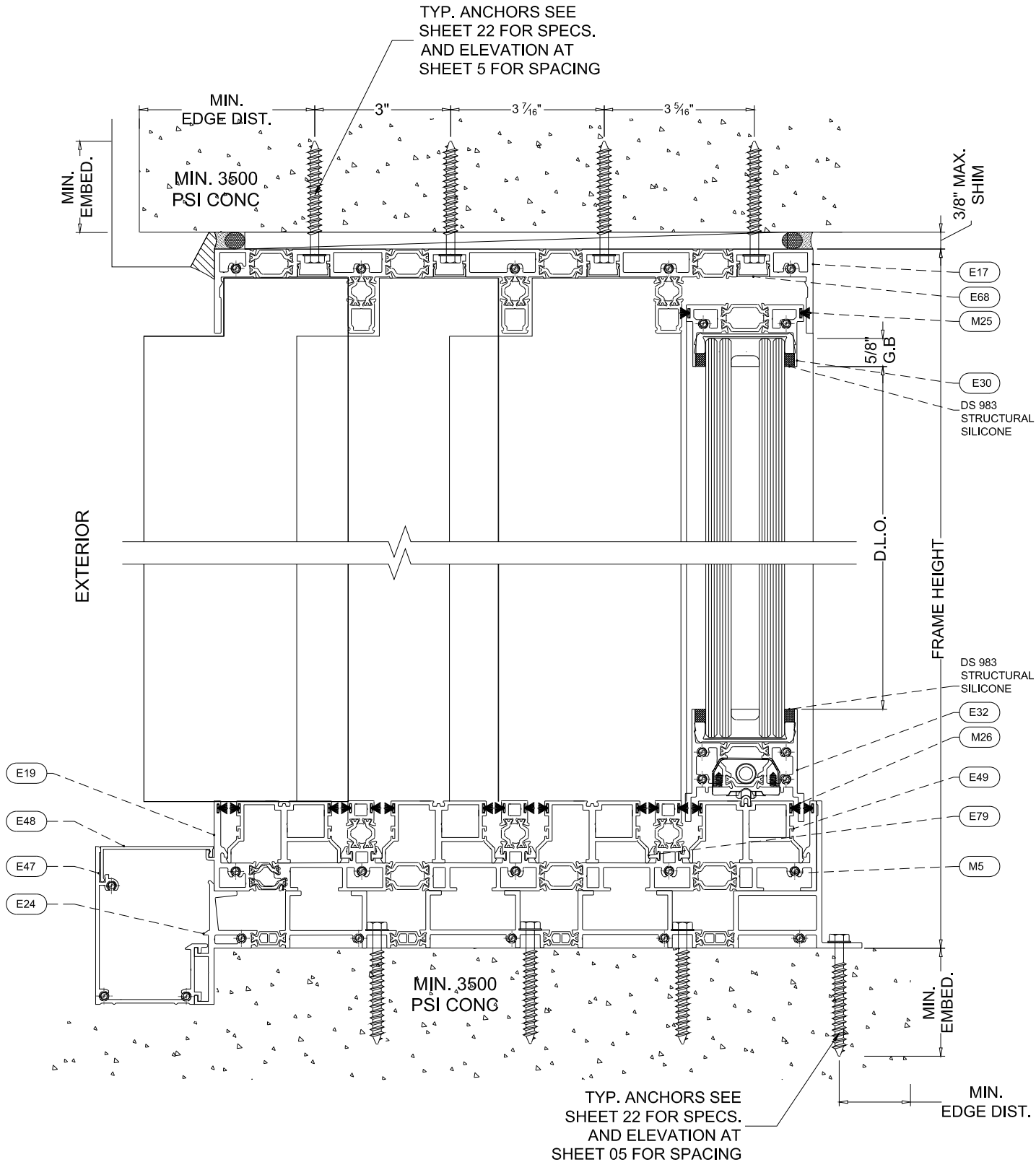
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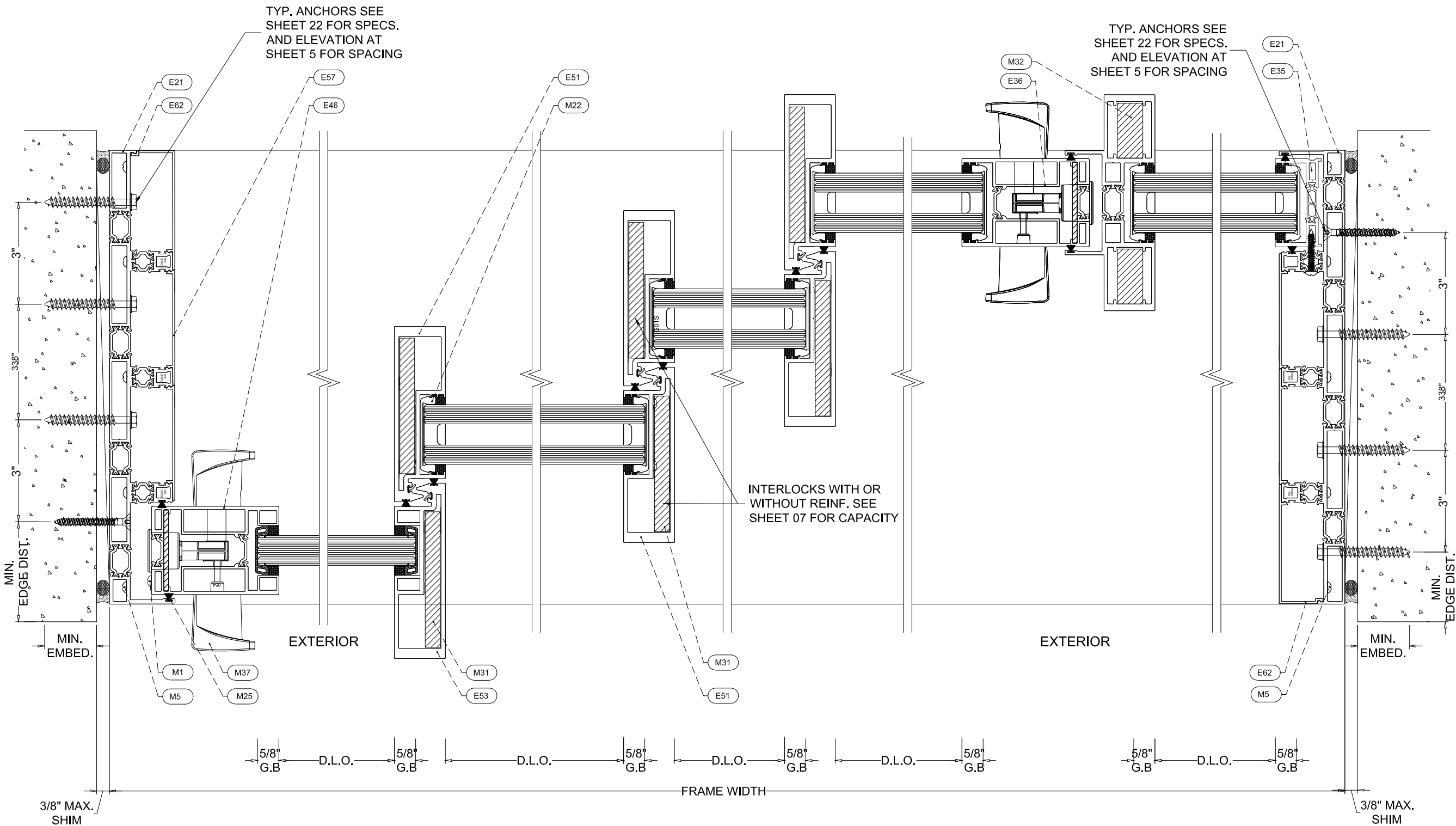
18 OF 28

S30 HEAD DETAIL

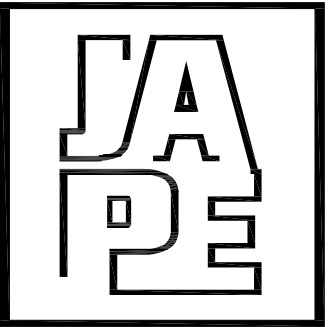
S32 SILL DETAIL



4 TRACK SYSTEM



4 TRACK SYSTEM



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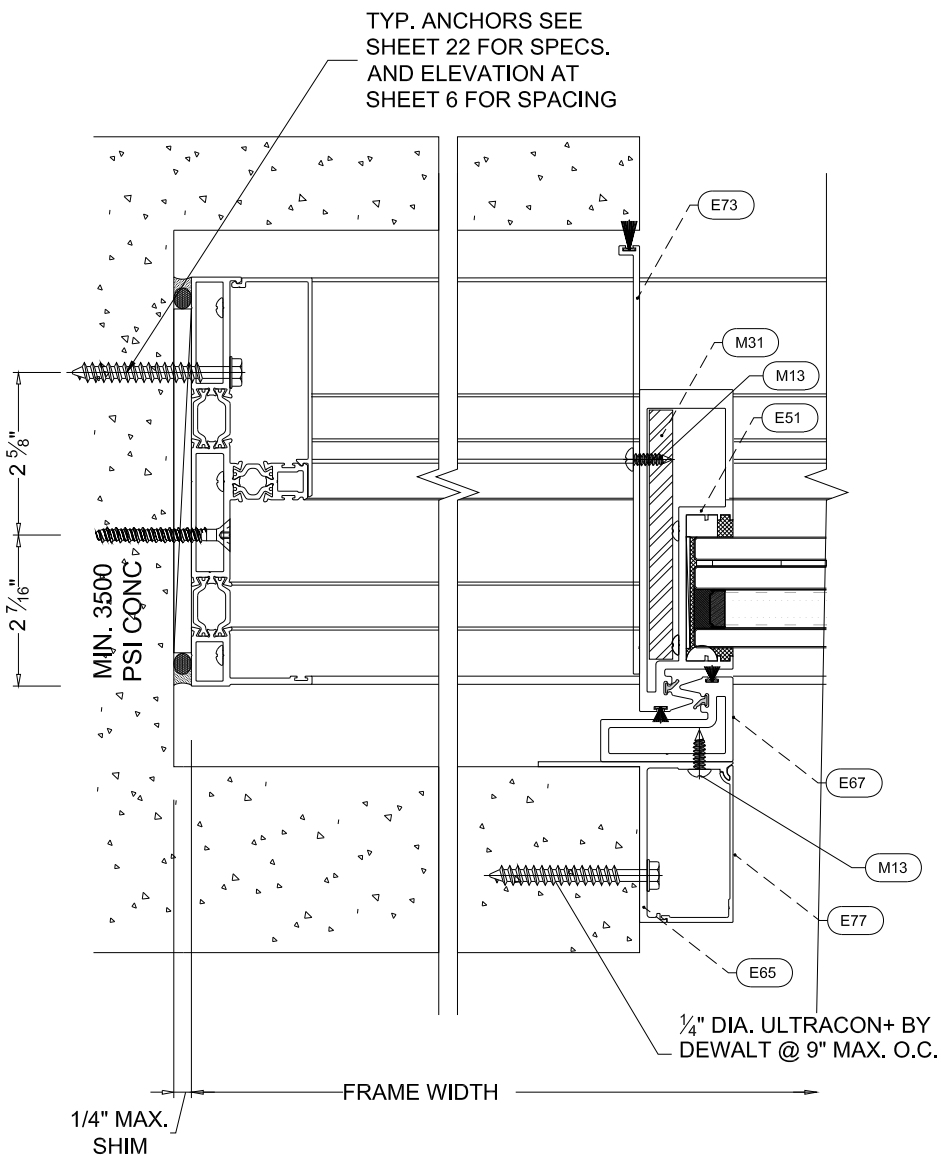


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S41 POCKET DETAIL

S42 POCKET JAMB DETAIL

2 TRACK SYSTEM (POCKET)

DOOR CONFIGURATIONS

TRACKS	CONFIGURATIONS
2-TRACK	□X, X□, XX, □X-X□, XX-XX, X□□X, □X-□-L, □X-□-R
3-TRACK	XXX, XX0, OXX, OXX-XX0
4-TRACK	XXXX, OXXX, XXX0, OXXX-XXX0
POCKET	PX, XP, PX-XP, PXX, XXP, PXX-XXP, PXXX, XXXP, PXXX-XXXP, PXXXX, XXXXP, PXXXX-XXXXP

SILL OPTIONS

CONFIGURATION TYPE	NORMAL SILL	CAST-IN SILL	SUBSILL
STANDARD	☐	☐	☐
REVERSIBLE	☐	☐	☐
POCKET	☐	☐	-

NOTES:

R = REVERSIBLE CONFIGURATION.

UNLESS OTHERWISE NOTED, STANDARD AND REVERSIBLE CONFIGURATIONS ARE AVAILABLE WITH NS, CIS, AND SB SILL OPTIONS.

POCKET CONFIGURATIONS ARE AVAILABLE WITH NORMAL SILL AND CAST-IN SILL OPTIONS ONLY.



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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

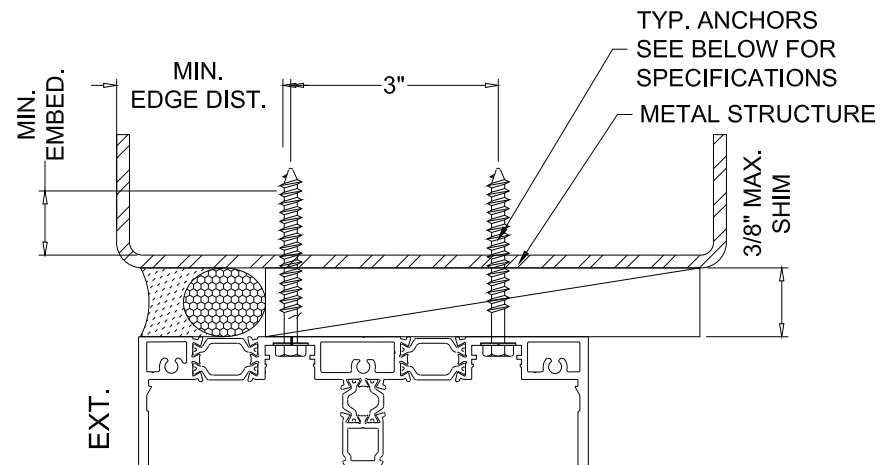
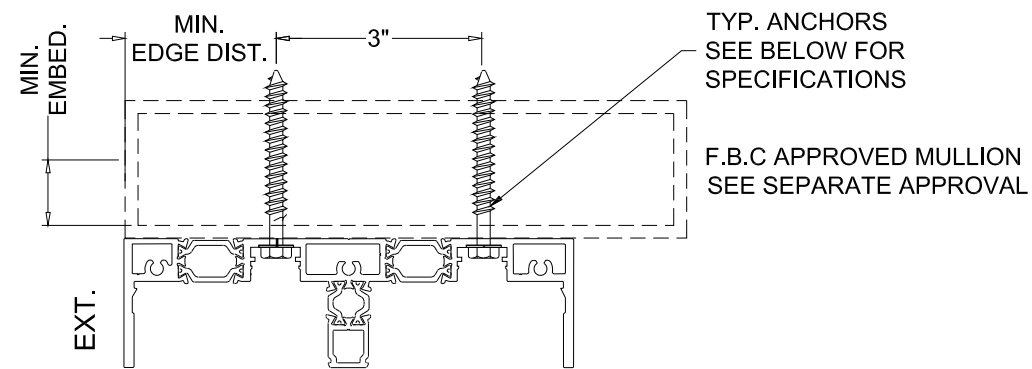
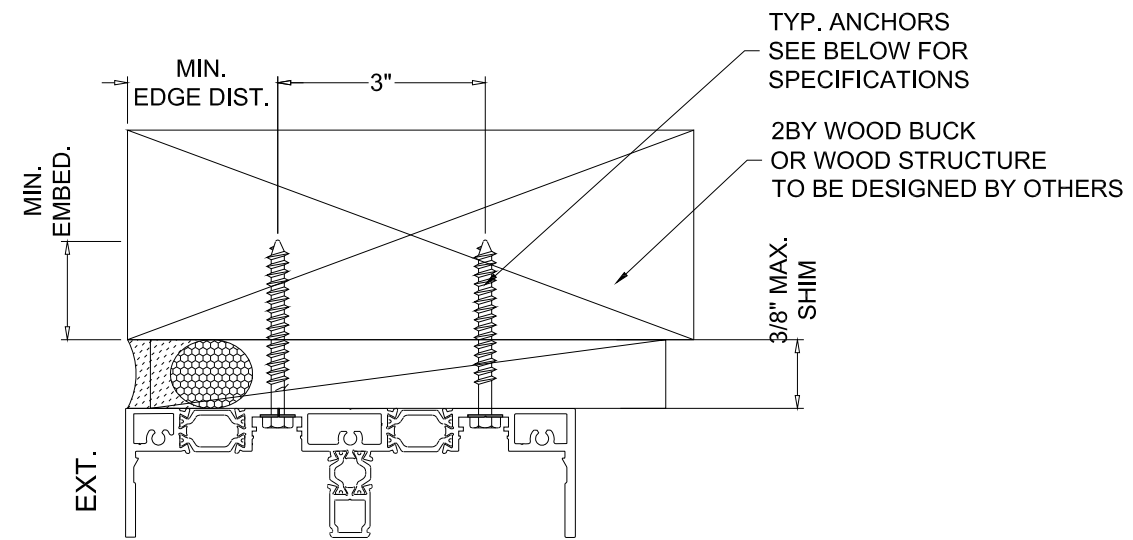
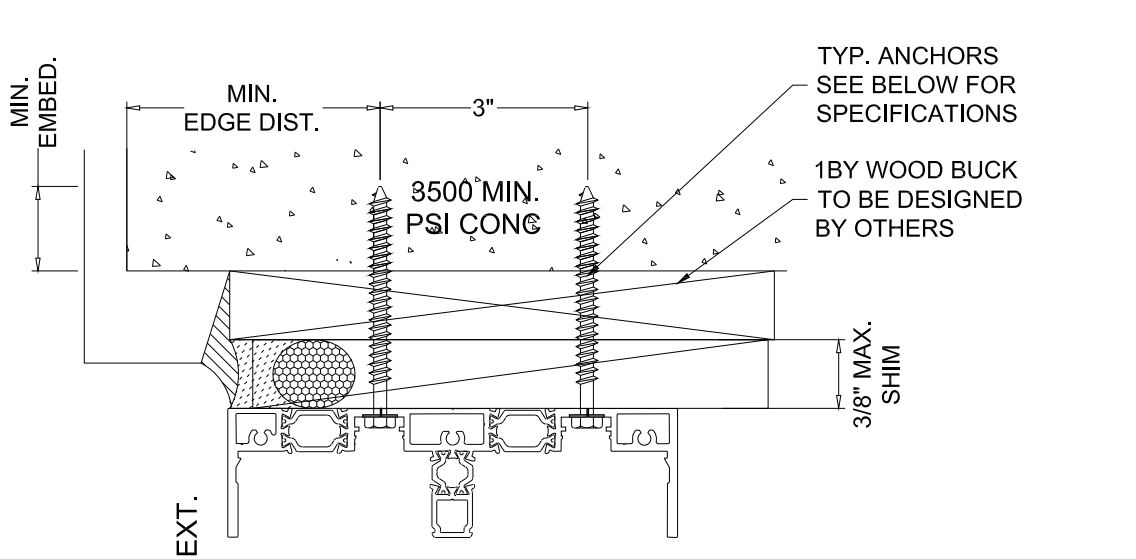


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FL# 47930.2

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OF 28



TYPICAL SUBSTRATE ANCHORS:

- A** 5/16" DIA ULTRACON+ BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY BUCKS INTO CONG. (MIN. 3500 PSI CONG.)
2" MIN. EMBED INTO CONCRETE (HEAD / SILL / JAMBS)

DIRECTLY INTO CONCRETE
2" MIN. EMBED INTO CONCRETE (MIN. 3500 PSI CONG.)
1-3/4" MIN. EMBED INTO BLOCK

ANCHOR EDGE DISTANCES
INTO CONCRETE = 3-1/8" MIN.
INTO BLOCKS = 2-1/2" MIN.

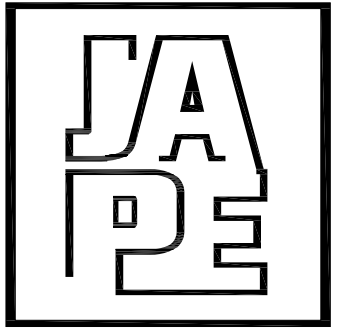
- B** 5/16" DIA ULTRACON+ BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES (MIN. S.G. 0.55)
2" MIN. PENETRATION INTO WOOD (HEAD / SILL / JAMBS)

ANCHOR EDGE DISTANCES
INTO WOOD STRUCTURE = 1-9/16" MIN.

- C** 5/16" DIA. DRILL-FLEX (Fu=120 KSI, Fy=48 KSI)
INTO METAL STRUCTURES. (HEAD / SILL / JAMBS)
(3) THREAD MIN. PENETRATION BEYOND METAL SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 3/4" MIN.

NOTE:
1/4" ANCHORS CAN BE USED IN LIEU OF 5/16" ANCHORS
ONLY IF SHIM SPACE DOES NOT EXCEED 1/4" MAX.



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PRODUCT :

ES-SGD1515T
(L.M.I.)

CLIENT :

E.S. WINDOWS, LLC

3550 N.W. 49 STREET
MIAMI, FL 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

REVISION

No.	DATE	BY	DESCRIPTION
4	09-03-26	JM	2026 FBC

Date: 09-03-26

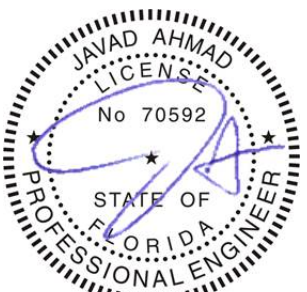
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Drawn by: JM

Check by: JA

Drawing no. JA-1589-26

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CIVIL FLA. PE # 70592 - C.A.N.34254

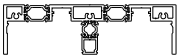
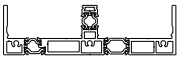
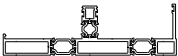
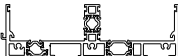
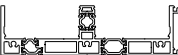
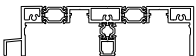
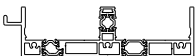
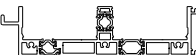


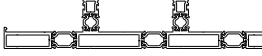
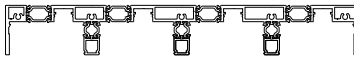
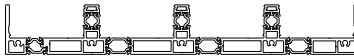
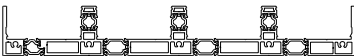
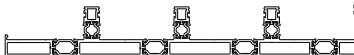
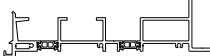
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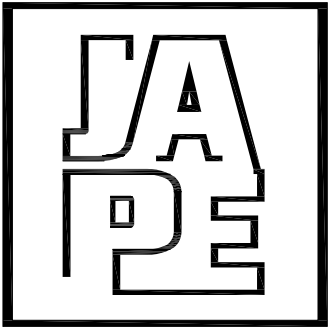
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OF 28

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
EXTRUSIONS				
E1	ES-SGD1515T-501		HEAD 2 TRACKS	6063-T3
E2	ES-SGD1515T-502		SILL 2 TRACK	6063-T6
E3	ES-SGD1515T-503		JAMB 2 TRACK	6063-T6
E4	ES-SGD1515T-504		OPERABLE JAMB	6063-T6
E5	ES-SGD1515T-505		SILL 2 TRACKS (SUBSILL)	6063-T6
E6	ES-SGD1515T-506		SILL 2 TRACKS WITH SILL RISER	6063-T6
E7	ES-SGD1515T-507		HEAD 2 TRACKS + SCREEN (NORMAL SILL)	6063-T6
E8	ES-SGD1515T-508		SILL 2 TRACKS + SCREEN (NORMAL SILL)	6063-T6
E9	ES-SGD1515T-509		SILL 2 TRACKS + SCREEN + SILL RISER	6063-T6
E10	ES-SGD1515T-510		FRONT SILL L/HEAD (CAST IN SILL)	6063-T6
E11	ES-SGD1515T-511		BACK SILL/HEAD (CAST IN SILL)	6063-T6
E12	ES-SGD1515T-512		HEAD 3 TRACKS (N.S & SUB SILL)	6063-T6
E13	ES-SGD1515T-513		SILL 3 TRACKS (N.S)	6063-T6
E14	ES-SGD1515T-514		SILL 3 TRACKS (SUBSILL)	6063-T6
E15	ES-SGD1515T-515		SILL 3 TRACKS SILL RISER (N.S)	6063-T6

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
EXTRUSIONS				
E16	ES-SGD1515T-516		JAMB 3 TRACKS	6063-T6
E17	ES-SGD1515T-517		HEAD 4 TRACKS (N.S & SUBSILL)	6063-T6
E18	ES-SGD1515T-518		SILL 4 TRACKS (N.S)	6063-T6
E19	ES-SGD1515T-519		SILL 4 TRACKS (SUB SILL)	6063-T6
E20	ES-SGD1515T-520		SILL 4 TRACKS + SILL RISER (N.S)	6063-T6
E21	ES-SGD1515T-521		JAMB 4 TRACKS	6063-T6
E22	ES-SGD1515T-522		SUBSILL 2 TRACKS	6063-T6
E23	ES-SGD1515T-523		SUB SILL 3 TRACKS	6063-T6
E24	ES-SGD1515T-524		SUBSILL 4 TRACKS	6063-T6
E25	ES-SGD1515T-525		SILL TRACT W/STEEL GUIDE	6063-T6
E26	ES-SGD1515T-526		SILL TRACK W/O STEEL GUIDE	6063-T6
E29	ES-SGD1515T-529		PANEL TOP (CAST IN STILL)	6063-T6
E30	ES-SGD1515T-530		PANEL TOP (N.S & SUBSILL)	6063-T6
E31	ES-SGD1515T-531		HIGH BOTTO (CAST IN STILL & SUBBSILL)	6063-T6
E32	ES-SGD1515T-532		LOW BOTTOM (CAST IN STILL & SUBSILL)	6063-T6



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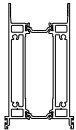
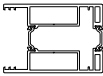
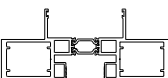
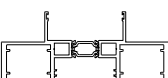
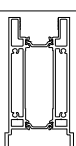
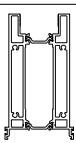
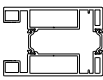
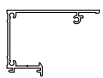
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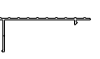
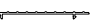
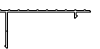
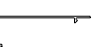
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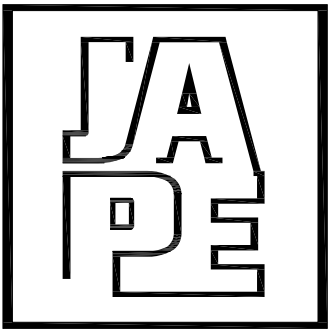
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ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
EXTRUSIONS				
E33	ES-SGD1515T-533		HIGH BOTTOM (N.S)	6063-T6
E34	ES-SGD1515T-534		LOW BOTTOM (N.S)	6063-T6
E35	ES-SGD1515T-535		FIXED STILE	6063-T6
E36	ES-SGD1515T-536		LOCKED STILE	6063-T6
E37	ES-SGD1515T-537		ASTRAGAL LAM GLASS	6005-T5
E38	ES-SGD1515T-538		ASTRAGAL	6005-T5
E39	ES-SGD1515T-539		TOP PANEL LAM.GLASS (N.S & SUBSILL)	6063-T6
E40	ES-SGD1515T-540		TOP PANEL LAM.GLASS (CAST IN STILL)	6063-T6
E41	ES-SGD1515T-541		HIGH BOTTOM LAM. GLASS	6063-T6
E42	ES-SGD1515T-542		LOW BOTTO LAM.GLASS (C.I.S. & SUBSILL)	6063-T6
E43	ES-SGD1515T-543		HIGH BOTTOM LAM. GLASS (N.S)	6063-T6
E44	ES-SGD1515T-544		LOW BOTTOM LAM. GLASS (N.S)	6063-T6
E45	ES-SGD1515T-545		FIXED STILE LAM.GLASS	6063-T6
E46	ES-SGD1515T-546		LOCKS STILE LAM.GLASS	6063-T6
E47	ES-SGD1515T-021		GUTTER	6063-T6

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
EXTRUSIONS				
E48	ES-SGD1515T-022		COVER GUTTER	6063-T6
E49	ES-SGD1515T-032		SILL TRACK STEEL INSERT (CAST IN SILL & SUBSILL)	6063-T6
E50	ES-SGD1515T-033		SILL TRACK W/O STEEL INSERT (CAST IN SILL & SUBSILL)	6063-T6
E51	ES-SGD1515T-040		INTERLOCK NON THERMAL 1½"	6005-T5
E52	ES-SGD1515T-041		INTERLOCK NON THERMAL 1 ⁵ / ₁₆ "	6005-T65
E53	ES-SGD1515T-052		INTERLOCK NON THERMAL 1½" LAMINATED GLASS	6005-T5
E54	ES-SGD1515T-053		INTERLOCK NON THERMAL 1 ⁵ / ₁₆ " LAMINATED GLASS	6005-T5
E55	ES-SGD1515T-058		PLATINE LOCK STILE	6063-T6
E56	ES-SGD1515T-063		HEAD COVER	6063-T5
E57	ES-SGD1515T-064		HEAD COVER MULTITRACK	6063-T5
E58	ES-SGD1515T-065		SILL COVER (NORMAL SILL)	6063-T5
E59	ES-SGD1515T-066		SILL COVER MULTITRACK	6063-T5
E60	ES-SGD1515T-067		SILL COVER (SUBSILL)	6063-T5
E61	ES-SGD1515T-068		SILL COVER MULTITRACK (SUBSILL)	6063-T5
E62	ES-SGD1515T-069		JAMB COVER	6063-T5



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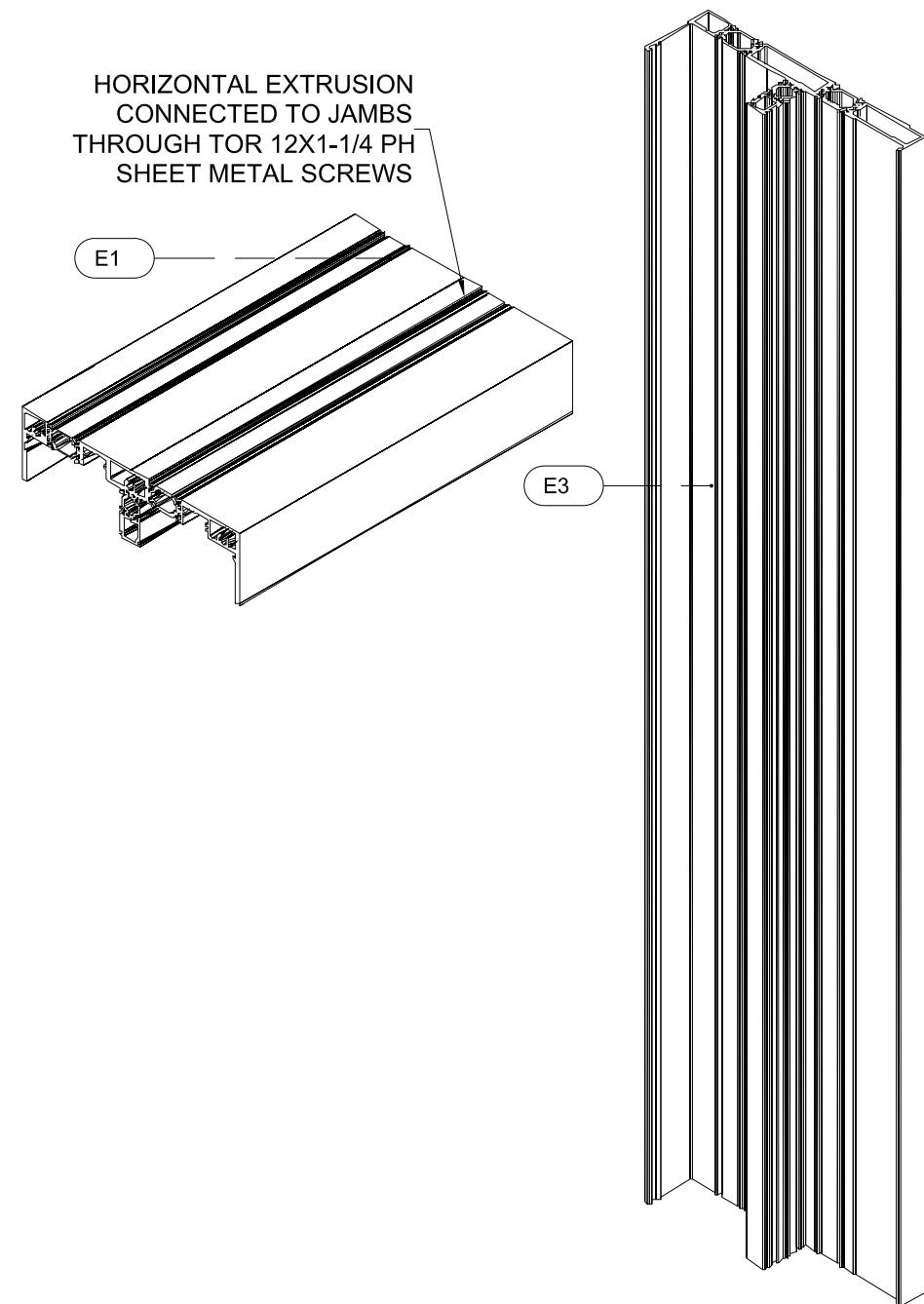
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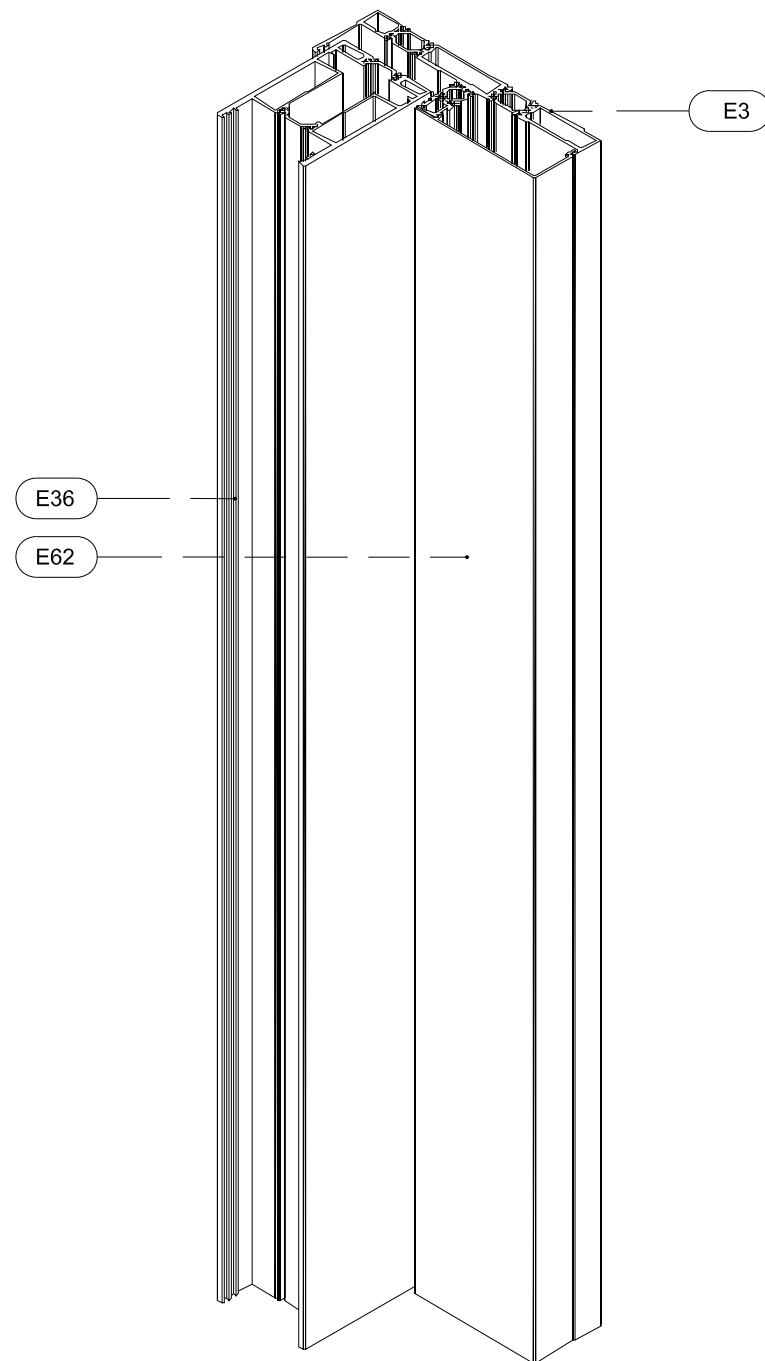
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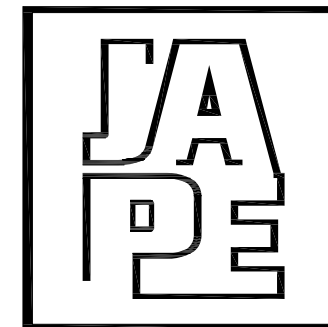
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○ HEAD / JAMB ASSEMBLY VIEW



○ SLIDING PANEL WITH JAMB



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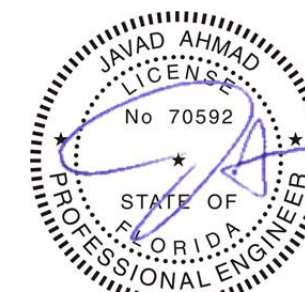
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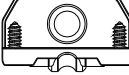
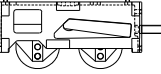


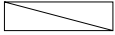
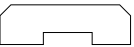
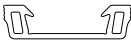
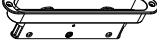
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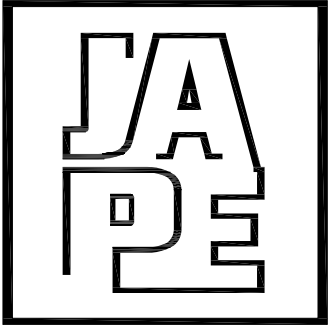
FL# 47930.2

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OF 28

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
MISCELLANEOUS DE ENSAMBLE				
M1	TDR 10x1 1/4 Phil Pan Type A 18-8ss		ASSEMBLY SCREW @ PANEL ASSEMBLY	STAINLESS STEEL
M2	TORNILLO 8*1 1/4 AVELLANADO AC INOX		ASSEMBLY SCREW @ MORTICE	STAINLESS STEEL
M3	TORNILLO 10*3/4 PHIL FLAT TYPE A 18-8SS		PLATE SUPPORT	STAINLESS STEEL
M4	TORNILLO # 10 *1-1/4 P.H.		FOR FIXED PANEL	STAINLESS STEEL
M5	TDR 12x1-1/4 Phil Pan Type A 18-8ss		ASSEMBLY SCREW @ FRAME ASSEMBLY	STAINLESS STEEL
M6	TORNILLO 10-24*3/4 AVELLANADO AC INOX		CIERRE JAMB	STAINLESS STEEL
M7	TDR 10x1 Phil Pan Type A 18-8ss		BUMPER	STAINLESS STEEL
M8	TDR M4x0.7x40mm Phil Flat Screw 18-8ss		CIERRE ACTIVO	STAINLESS STEEL
M9	TDR 8x1/2 Phil Flat T-A 18-8ss		PLATE HIGH BOTTOM	STAINLESS STEEL
M10	TDR 10x1/2 Phil Flat Type A 18-8ss		FOR SPLICE	STAINLESS STEEL
M11	TORNILLO 10-24 X1/2 PH TYPE B		FOR SPLICE SILL NS	STAINLESS STEEL
M12	TORNILLO 6*1 FH		FOR ENDAN	STAINLESS STEEL
M13	TDR 10x5/8 Phil Pan Type A 18-8ss		FOR POCKET	STAINLESS STEEL
M14	PP6677.66 RODAJA MINIMALISTA 700KG/PANEL		ROLLER STANDARD BOTTOM RAIL	ZAMAK
M15	FS.0101.CD TC51-HK1012 ROLLER ES-SD2020 (DMET) 600KG/PANEL		ROLLER HIGH BOTTOM RAIL	ZAMAK

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
MISCELLANEOUS DE ENSAMBLE				
M16	SET-018 ES-SGD1010T-B01 S		SETTING BLOCK FOR FIXED PANEL	SILICONE HARDNESS 80±5 SHORE A
M17	SET-025 ES-SGD1010T-B03 S		SETTING BLOCK FOR FIXED PANEL	SILICONE HARDNESS 80±5 SHORE A
M18	EMP-212 ES-8011A S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M19	EMP-497 ES-9550-B01A S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M20	EMP-688 NS-25-B04A S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M21	SET-022 ES-PZ250T-B02 S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M22	EMP-884 ES-SGD1515T-G01 S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M23	EMP-885 ES-SGD1515T-G02 S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M24	EMP-060 ES-7530-G06		GASKET FOR INTERLOCKS	SILICONE
M25	W33251NG		WEATHERSTRIPPING PILE	POLYETHYLENE
M26	W33481NK		WEATHERSTRIP BLACK FOR SILL TRACK	POLYETHYLENE
M27	A2016.52 Guia SS		FOR SILL TRACK	GALVANIZED STAINLESS STEEL
M28	PS01-0035-00B		2 POINT MORTISE LOCK	ZINC DIE CAST
M29	PS01-1005- FINISH		2 POINT LOCK STRIKER 1.35" TO 1.45" @ FRAME JAMB	INTERLOCK
M30	ES-W625-F01 RETIC FOAM 3/8"x 11/16"x 2"			FOAM



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(L.M.I.)

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4	09-03-26	JM	2026 FBC

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Check by: JA

Drawing no. JA-1589-26

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

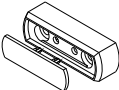


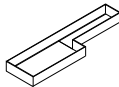
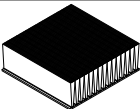
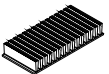
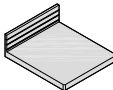
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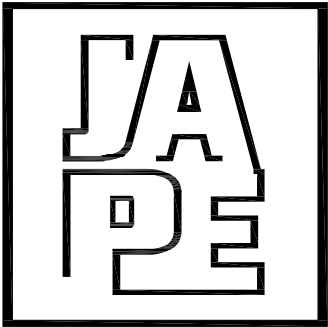
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ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
MISCELLANEOUS DE ENSAMBLE				
M31	INTERLOCK REINFORCEMENT		STEEL PLATE 3/8" x 4" x LENGTH	GALVANIZED STAINLESS STEEL
M32	ASTRAGAL REINFORCEMENT		STEEL PLATE 1 5/8" x 3/4" x LENGTH	GALVANIZED STAINLESS STEEL
M33	ASTRAGAL CORNER 90 REINFORCEMENT		STEEL PLATE 1/2" x 1 3/4" x LENGTH	GALVANIZED STAINLESS STEEL
M34	ASTRAGAL CORNER 90 REINFORCEMENT		STEEL PLATE 1/2" x 1 1/2" x LENGTH	GALVANIZED STAINLESS STEEL
M35	ASTRAGAL CORNER 135 REINFORCEMENT		STEEL PLATE 1/4" x 1" x LENGTH	GALVANIZED STAINLESS STEEL
M36	2101		HOLE PLUG	POLYPROPYLENE
M37	PS01-0205-000 WHT PS01-0205-115 BRZ PS01-0205-117 SILV PS01-0205-00B BLK		CREST TURN LEVELER LONG	DIE CAST ALUMINUM
M38	PS01-0208-000 WHT PS01-0208-115 BRZ PS01-0208-117 SILV PS01-0208-00B BLK		CREST HANDLE INT-EXT	ZAMAK
M39	PS01-0206-000 WHT PS01-0206-115 BRZ PS01-0206-117 SILV PS01-0206-00B BLK		INTERIOR CREST HANDLE	ZAMAK
M40	PS01-3124-000 WHT PS01-3124-115 BRZ PS01-3124-117 SILV PS01-3124-00B BLK		EXTERIOR LOCKING CRES SLIDE HANDLE	ZAMAK
M41	180259 180260		CYLINDER	BRASS
M42	BUMPER BASE AND SNAP-FIT		BUMPER	STEEL AND RUBBER
M43	SGD 1600		BUMPER @POCKET DOOR	ZAMAK
M44	WA2L-BLK WA2L-SLV WA2L-WHT WA2L-BZE		WEEP HOLE COVER	POLYPROPYLENE
M45	ES-SD2020T-G07 S		SEAL GASKET @ ASTRAGAL CORNER	SILICONE 60 SHORE A

ES-SGD1515T				
CODE	PART	DETAIL	DESCRIPTION	MATERIAL
MISCELLANEOUS DE ENSAMBLE				
M46	CAST IN SILL		1 X SILL TRACK	ALUMINUM
M47	ES-SD2020T-FE01		ADHESIVE FOAM @ FRAME HEAD	POLYPROPYLENE
M48	ES-SD2020T-FE02		ADHESIVE FOAM @ FRAME SILL	POLYPROPYLENE
M49	ES-SD2020T-FE03		ADHESIVE FOAM @ INTERLOCKS	POLYPROPYLENE
M50	RIVER NUT M5X0.8 RN58033*LR		FOR CREST HANDLE	STAINLESS STEEL
M51	TDR 10x3/4 Phil Pan Type A 18-8ss		FOR ASTRAGAL	STAINLESS STEEL
M52	PS01-0060-00B		2 POINT LOCK STRIKER 1.03" TO 1.15" @ ASTRAGAL	INTERLOCK
M53	EMP-406 80-378A S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M54	EMP-684 80-373A S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M55	SET-017 ES-1500-B01 S		GLAZING SETTING BLOCK	SILICONE HARDNESS 80±5 SHORE A
M56	CDV-076 ES-SGD1515T-C01		COVER FOR INTERLOCK	NYLON 6 WITH UV PROTECTION

SYMBOLS	
DETAIL	DESCRIPTION
	LEADER FOR INSTALLATION MISCELLANEOUS
	LEADER FOR ASSEMBLY MISCELLANEOUS
	LEADER FOR EXTRUSIONS



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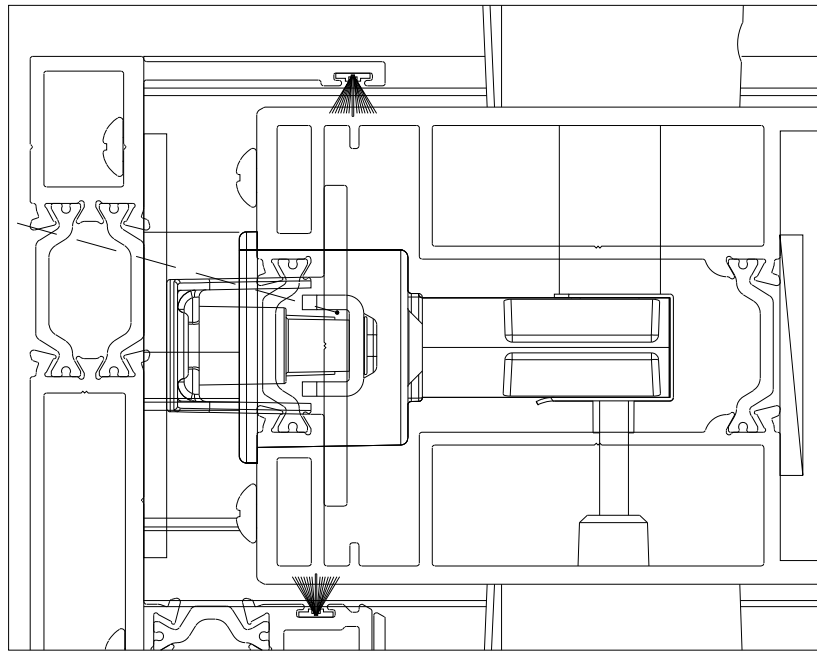
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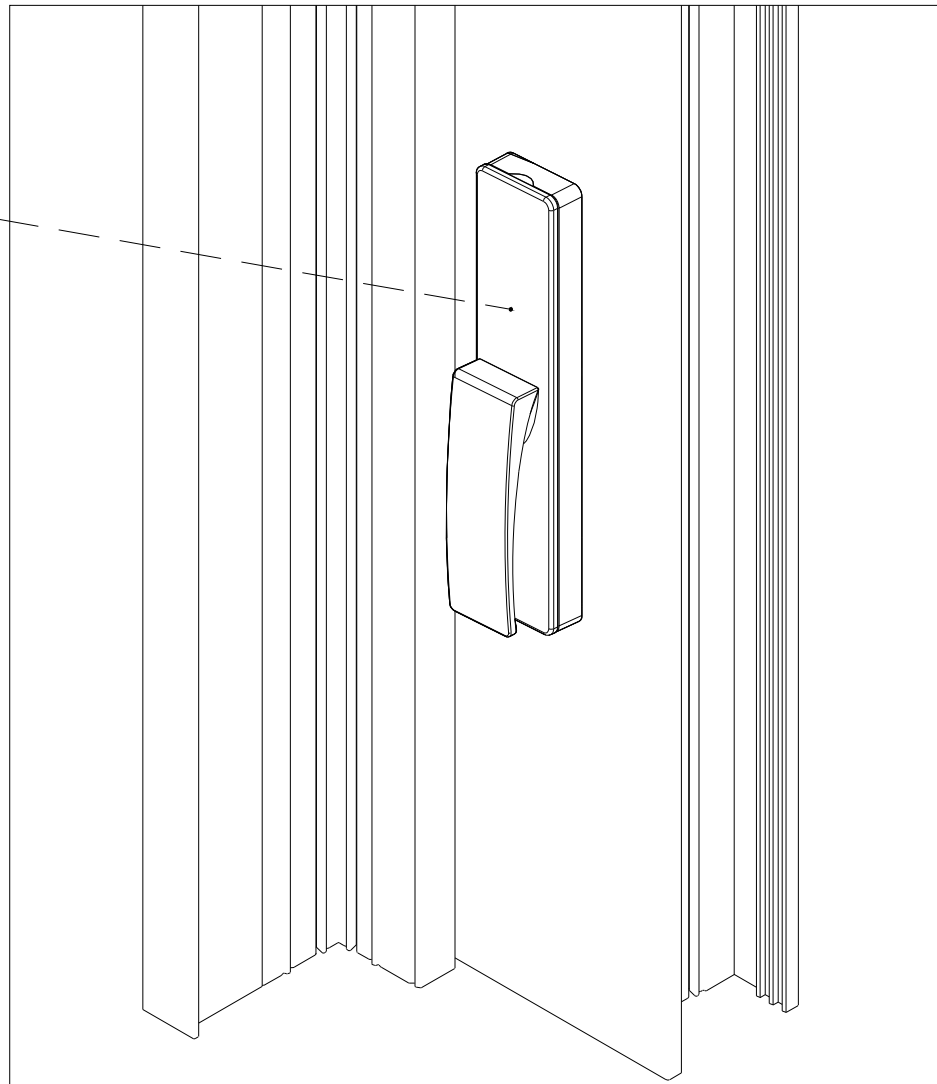
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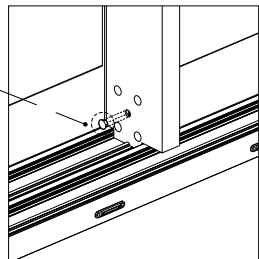
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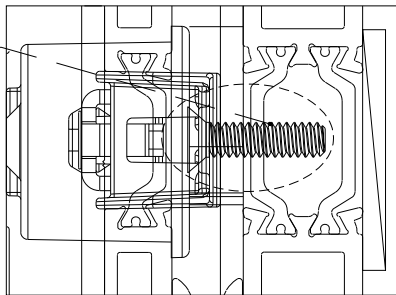
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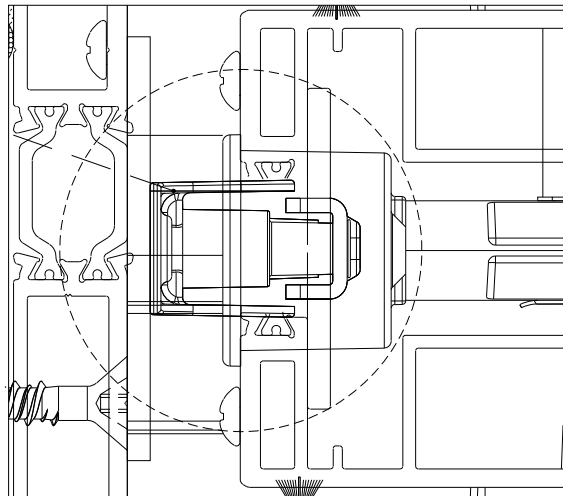
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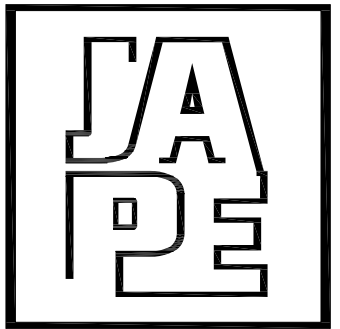
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M 29



LEVER HANDLE INSTALLATION



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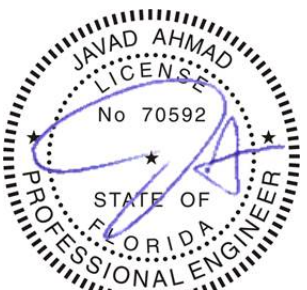
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