

PEERLESS PRODUCTS

TALON WALL

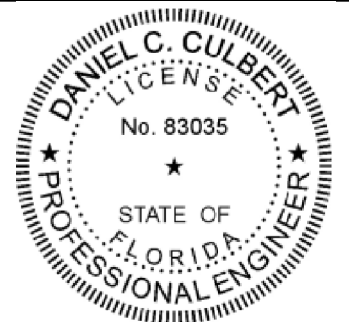
EXTRUDED ALUMINUM UNITIZED CURTAIN WALL

GENERAL NOTES:

1. PROJECT SPECIFIC COMPONENT AND CLADDING DESIGN PRESSURES ARE TO BE CALCULATED BY A BY A FLORIDA LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT
2. ALL MANUFACTURER INSTRUCTION FOR THE INSTALLATION OF THE CURTAIN WALL AND ALL ASSOCIATED HARDWARE ARE TO BE FOLLOWED
3. ALL PROJECT SUBSTRATES ARE TO BE VERIFIED TO HAVE THE CAPACITY TO RESIST THE APPLIED LOADS AND IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT OF RECORD
4. THE DETAILS SHOWN WITHIN THIS DOCUMENT ARE GENERIC AND IF PROJECT DETAILS DEViate FROM THE DETAILS HEREIN, PROJECT SPECIFIC DOCUMENTS SHOULD BE PROVIDED BY A FLORIDA LICENSED ENGINEER OR ARCHITECT
5. TESTED IN ACCORDANCE WITH THE FOLLOWING TEST STANDARDS
 - 5.1. ASTM E283-19
 - 5.2. ASTM E331-00
 - 5.3. TAS 201-94
 - 5.4. TAS 202-94
 - 5.5. TAS 203-94
 - 5.6. AAMA 501-15

TITLE:
TALON WALL®©
UNITIZED
CURTAINWALL LMI/SMI
NOTES

PREPARED FOR: PEERLESS PRODUCTS 2403 SOUTH MAIN STREET FORT SCOTT, KANSAS 66701 (620) 223-4610 www.peerlessproducts.com	PREPARED BY: CHRISLAND ENGINEERING 602 CORNWALL ROAD LEBANON, PENNSYLVANIA (717) 954-6513 www.chrislandengineering.com
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Daniel C. Culbert
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04.28.2025

24-1-0260.01

FL PRODUCT APPROVAL NUMBER:
FL#

DATE:
MARCH 21, 2024

REVISION:			
REMARK	DATE	BY	
REVISED ANCHORS	09/04/24	DCC	
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ADDED SMI TESTING	04/28/25	DCC	

SHEET

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OF 7

TITLE:
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ELEVATION

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GLAZING REQUIREMENTS

DESIGN PRESSURE+/- 65 PSF

MAX GLAZING DLO59-1/8" x 125-15/16"

GLAZING LAYUP1-5/16" INSULATING GLASS UNIT
EXTERIOR LITE1/4" HEAT STRENGTHENED GLASS
AIR SPACE1/2"
INTERIOR LITE1/4" HEAT STRENGTHENED
0.030 SENTRY GLAS PLUS (SGP)
0.030 SENTRY GLAS PLUS (SGP)
0.030 SENTRY GLAS PLUS (SGP)
1/4" HEAT STRENGTHENED

GLAZE PER DETAILS AND PEERLESS PRODUCTS PRODUCT INSTRUCTIONS WITH DOW 983 SILICONE AND MIN 3/4" BITE AND EXTRUDED GLAZING CHAIRS AT THE SILL

ADDITIONALLY, MAY BE GLAZED WITH AN IMPACT APPROVED METAL PANEL SYSTEM IN LIEU OF GLAZING

GLAZING MAY BE INSTALLED ABOVE OR BELOW 30 FEET ABOVE GRADE IN NON-HVHZ LOCATIONS

WITHOUT INCLUSION OF A TEMPERED EXTERIOR LITE, INSTALLATION IN HVHZ REGIONS ABOVE 30 FEET ABOVE GRADE IS NOT PERMITTED

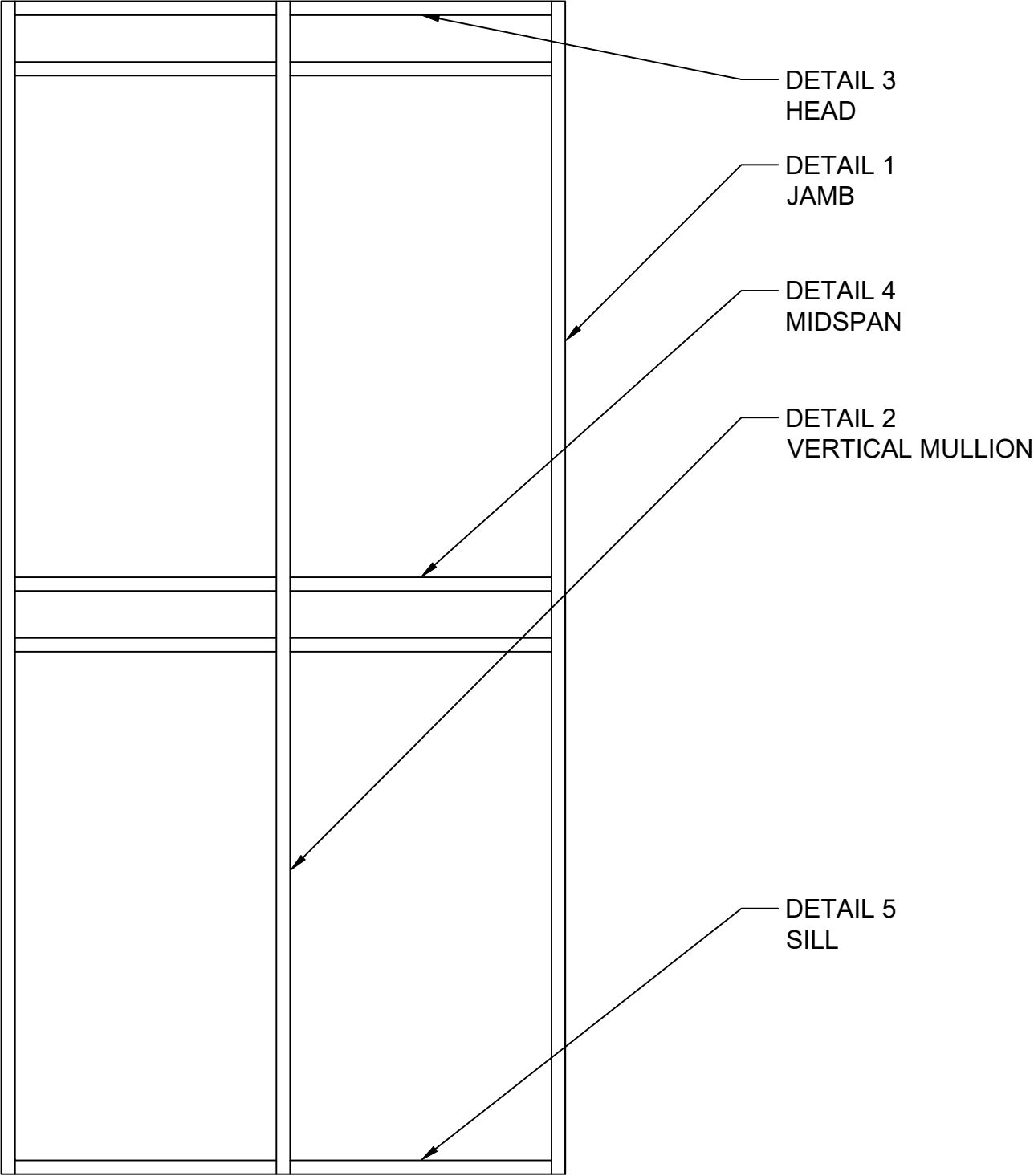
MULLION REQUIREMENTS

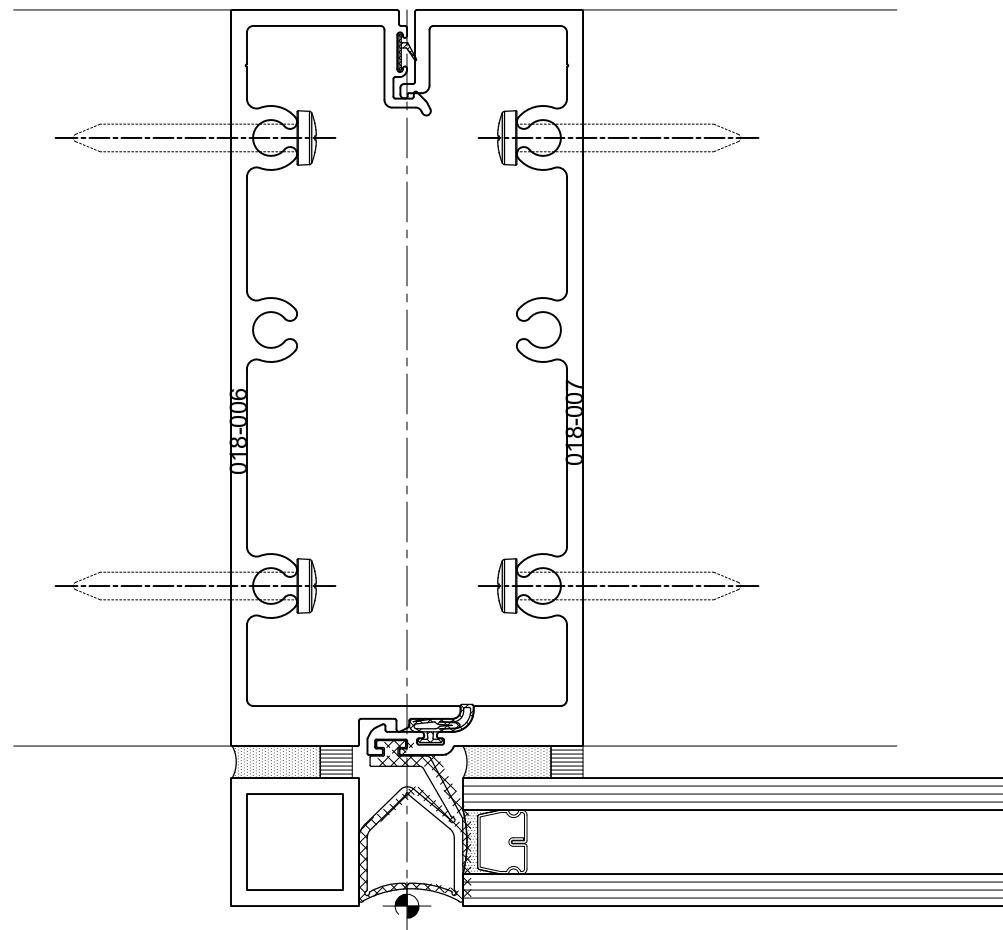
DESIGN PRESSURE+/- 65 PSF

VERTICAL MULLION
MAXIMUM SPAN127-13/16"
MAXIMUM LOAD WIDTH60"

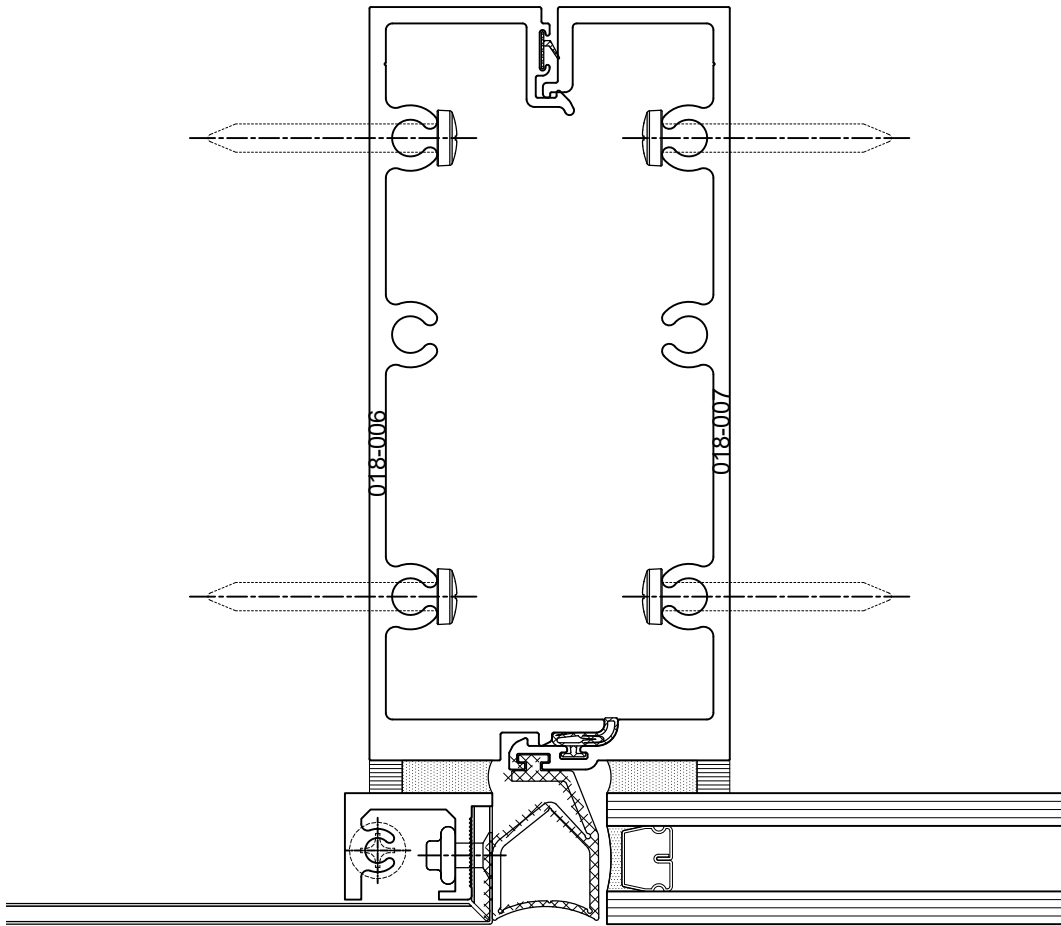
HORIZONTAL MULLION
MAXIMUM SPAN60"
MAXIMUM LOAD WIDTH62-15/16"

REINFORCING OF MULLIONS AND COMPARATIVE ANALYSIS OF LARGER SPANS/TRIBUTARY WIDTHS TO BE ANALYZED ON A PROJECT SPECIFIC BASIS





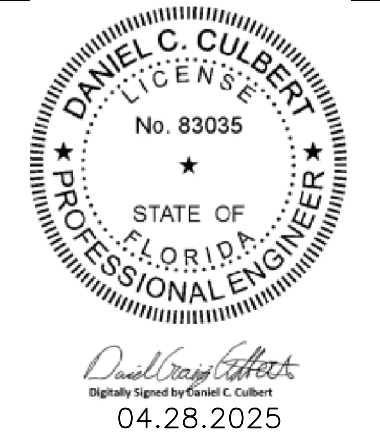
DETAIL 1
JAMB



DETAIL 2
VERTICAL INTERMEDIATE MULLION

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VERTICALS

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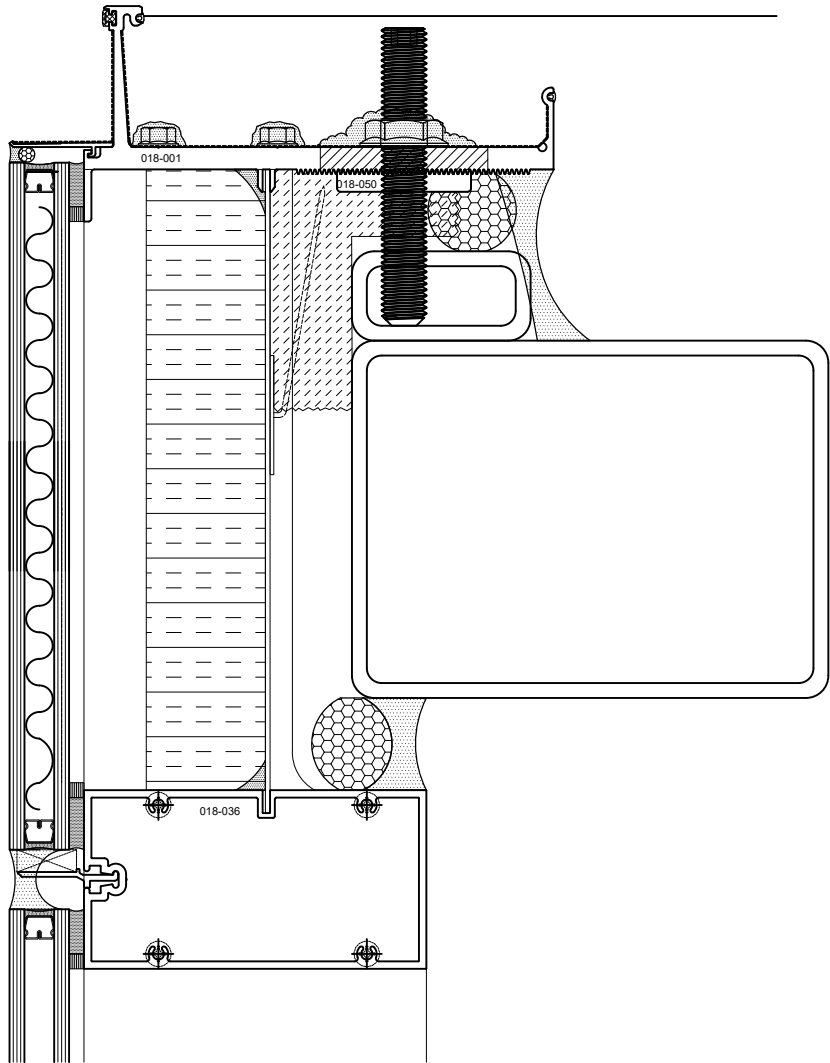
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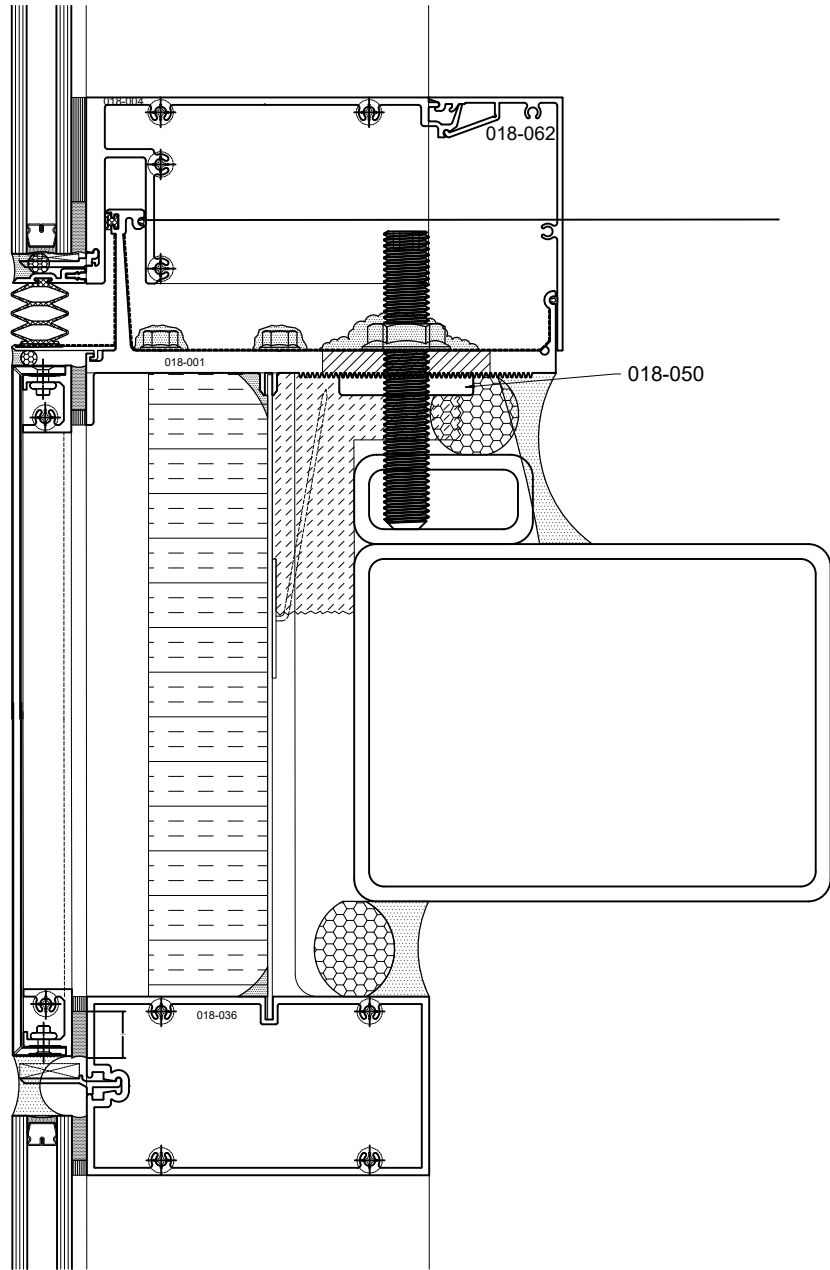
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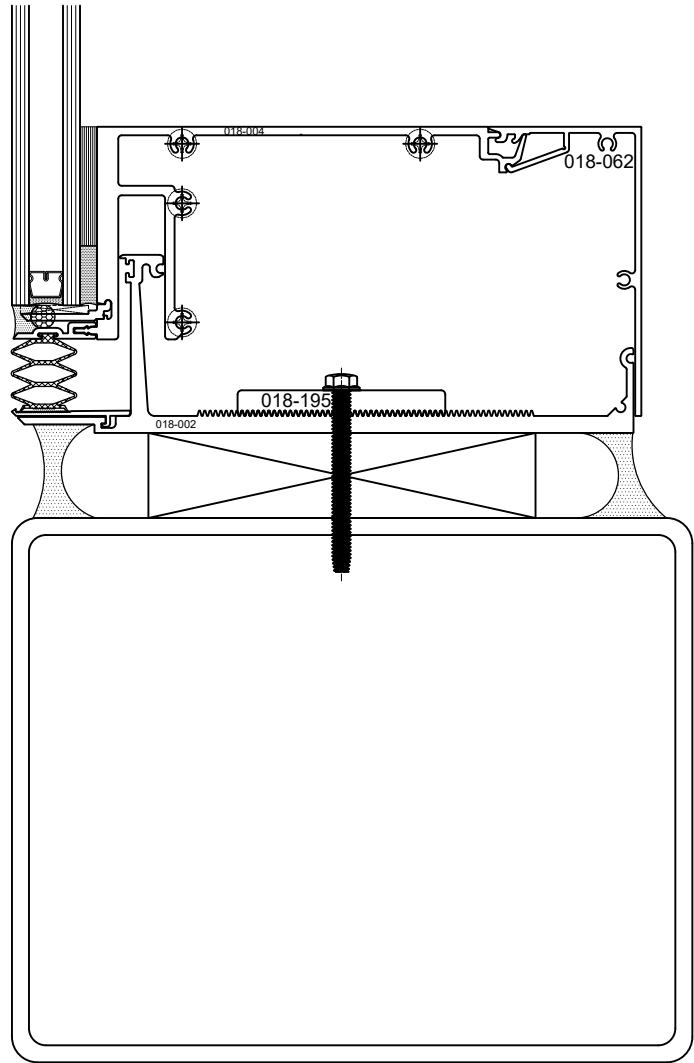
OF 7



DETAIL 3
HEAD CONNECTION



DETAIL 4
HORIZONTAL MID-SPAN
CONNECTON



DETAIL 5
SILL CONNECTION

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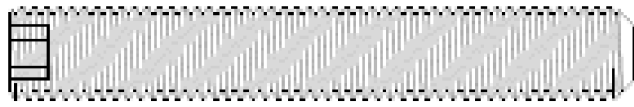
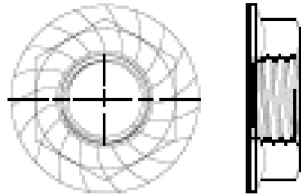
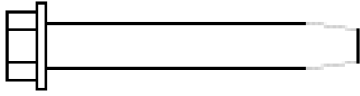
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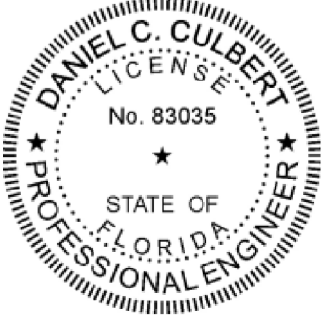
OF 7

FASTENER SCHEDULE			
FASTENER NUMBER	DESCRIPTION	APPLICATION	
F1	#12 - 14 X 1 3/4" PPH SMS TYPE AB, ZINC-PLATED	SCREW SPLINE FASTENER @ HORIZONTALS	
F2	3/4"-10 x 5" THREADED STUD WITH 3/8" HEX DRIVE (GRADE 5), DACROMET 500B PLATING	TALON® ANCHOR STUD	
F3	3/4"-10 SERRATED LOW-PROFILE JAM NUT (GRADE 5), DACROMET 500B PLATING	FLANGE NUT FOR TALON ANCHOR	
F4	5/16"-18 X 2 1/2" FLANGED HH TAP BOLT (GRADE 5), ZINC-PLATED	SCREW SPLINE FASTENER @ VERTICALS	
F5	#10-16 X 3/4" PPH SDS, ZINC PLATED	BACK PAN FASTENER	
F6	#10-16 x 3/4" PFHU TYPE AB SMS, ZINC-PLATED (PAINTED HEADS TO MATCH PROJECT FINISH)	SILL TRIM END DAM FASTENER	
F7	#8 X 3/4" PPH SMS TYPE AB, ZINC PLATED	SILL TRACK END DAM FASTENER	
F8	#6 X 3/4" PPH SMS TYPE AB, ZINC PLATED	SILL TRACK END DAM FASTENER	
F9	#10-16 x 3/4" PFHU TYPE AB SMS, ZINC-PLATED	JAMB CHANNEL FASTENER	
F10	#6-20 X 3/8" HWH SDS, ZINC PLATED	STICKPIN FASTENER	
F11	#12-14 x 3/4" PPH SDS, ZINC PLATED	SPLICE PLATE FASTENER	
F12	#12-14 x 3" HWH DRIL-FLEX SDS, ZINC PLATED	RE-GLAZING RETAINER FASTENER	
F13	#10 x 3/4" PFH TYPE AB SMS, ZINC PLATED	COPING ASSEMBLY FASTENER	
F14	#12-14 x 1" PUFH DRIL-FLEX	FIELD ANCHOR COPING FASTENER	
F15	#10 x 3/4" PPH TYPE AB SMS, ZINC PLATED	END DAM FASTENER	
F16	AS REQUIRED BY STRUCTURAL ENGINEER OF RECORD (SEOR)	PERIMETER ANCHOR FASTENERS	

TITLE:
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CONNECTIONS

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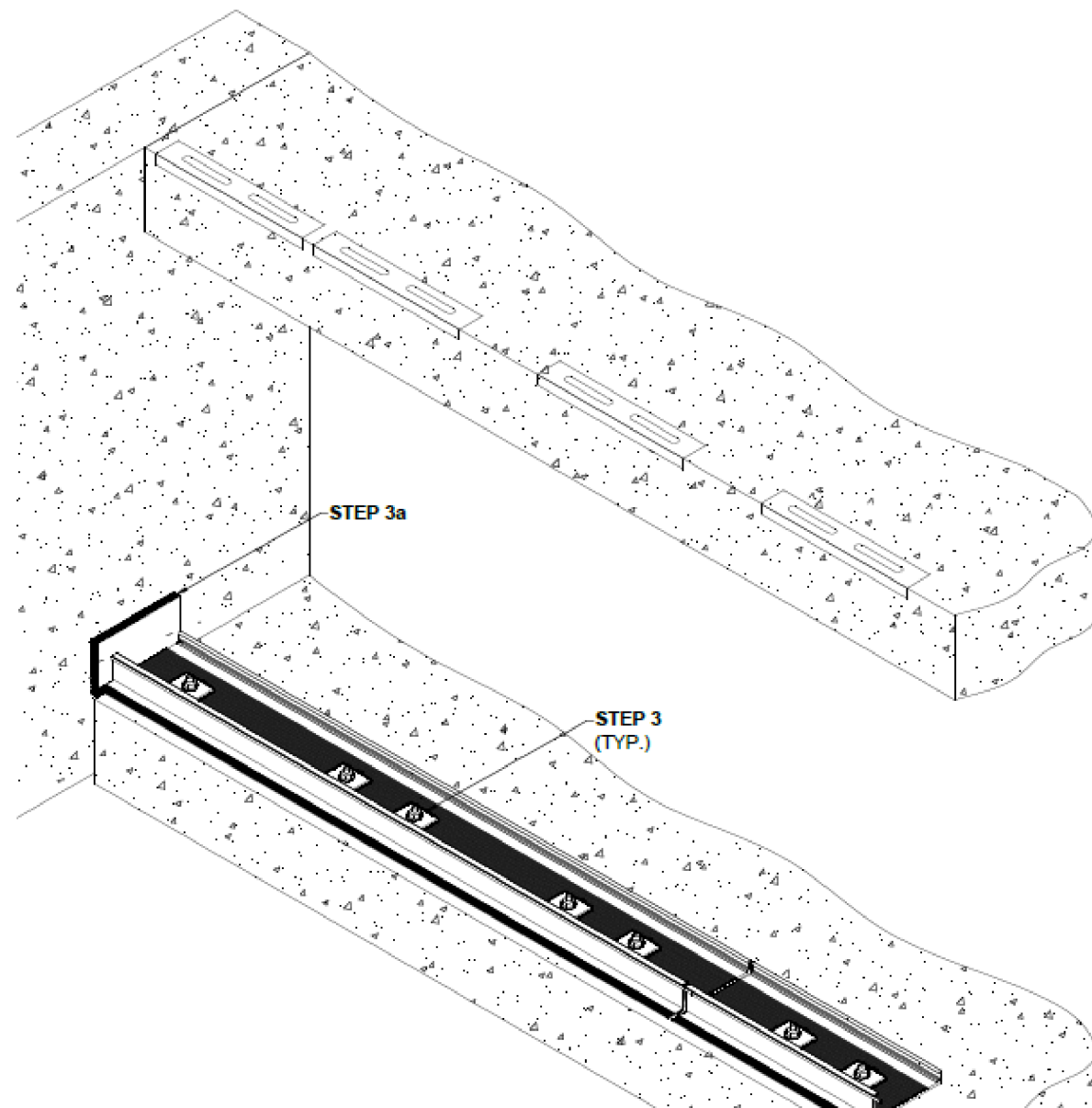
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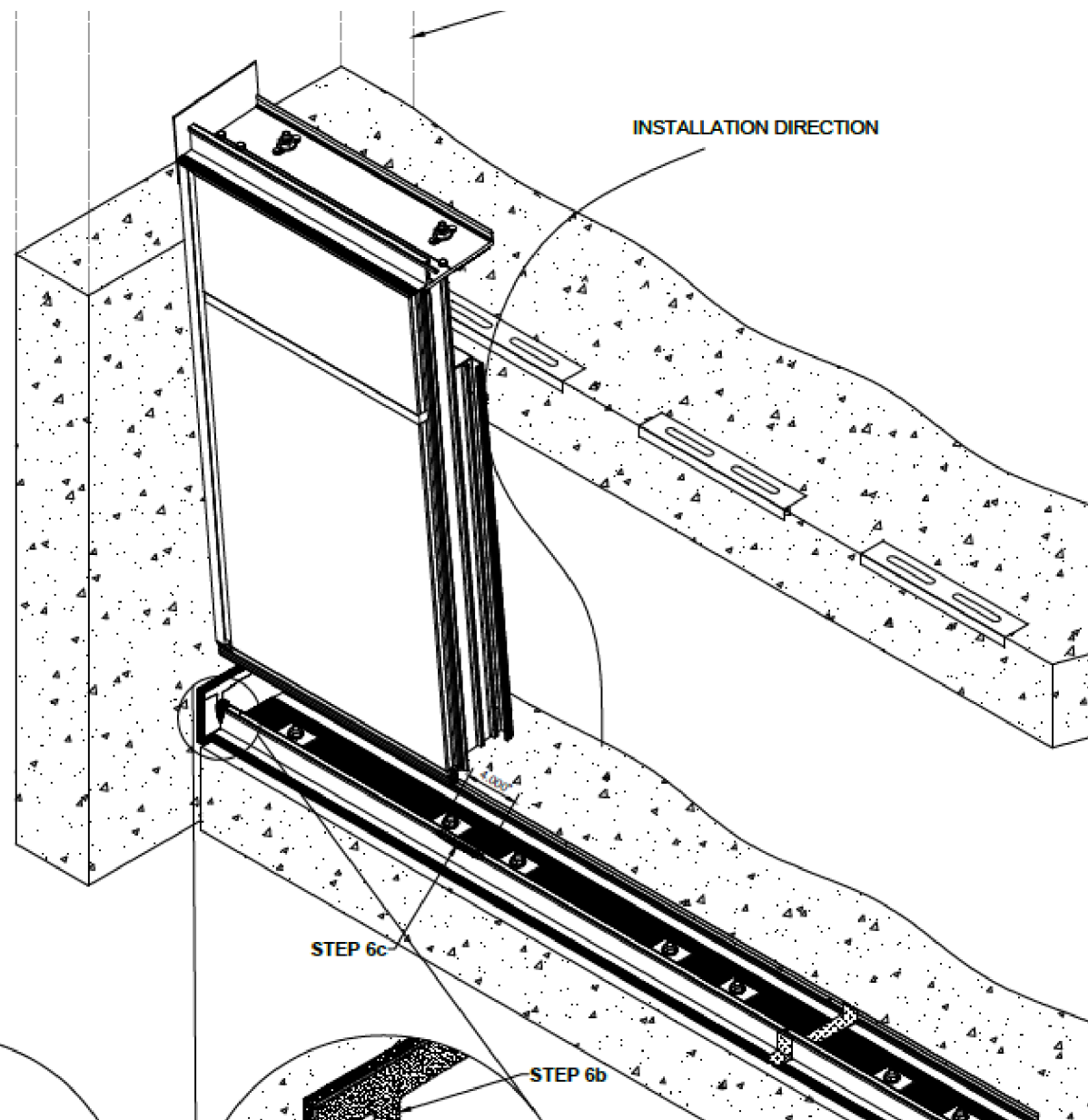
OF 7



ISOMETRIC 1
SILLCONNECTON

ANCHOR NOTES

1. MINIMUM ANCHORAGE OF TWO (2) ANCHORS AT THE ENDS OF THE VERTICAL MULLIONS AND ONE (1) ANCHOR AT THE JAMBS. SEE CONNECTION DETAILS ON SHEET 7.
2. ALL ANCHORAGE AND WATERPROOFING DETAILS ARE TO BE PER FULL MANUFACTUERER INSTALLATION INSTRUCTIONS
3. PROJECT SPECIFIC SUBSTARTE STRUCUTRAL INTEGRITY IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT

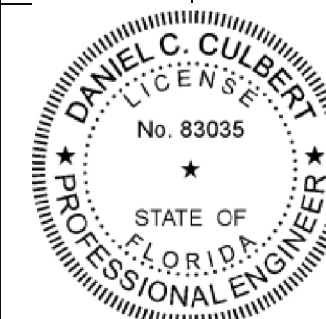


ISOMETRIC 2
MID-SPAN CONNECTON

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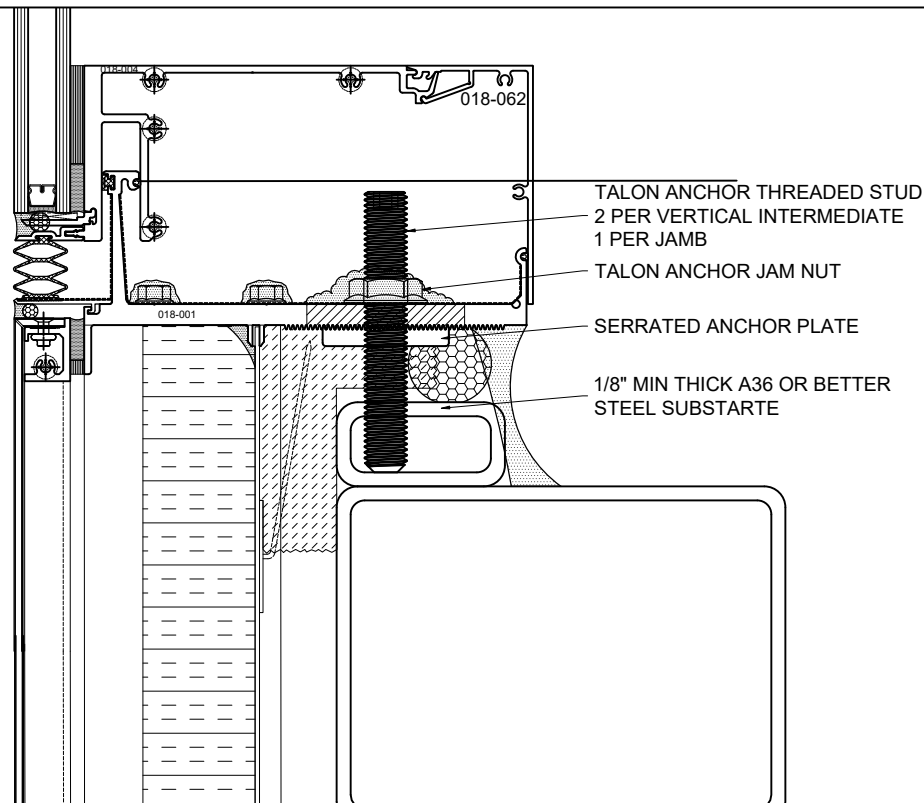
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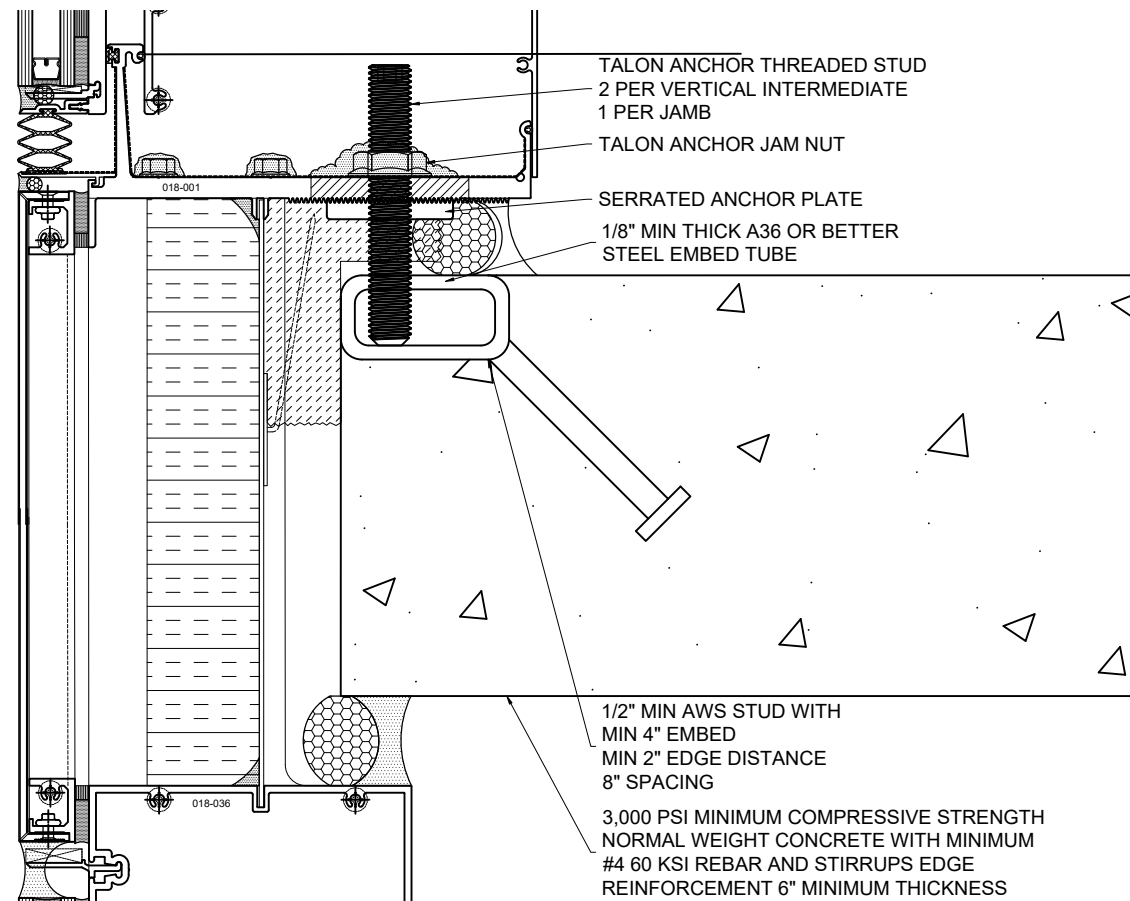
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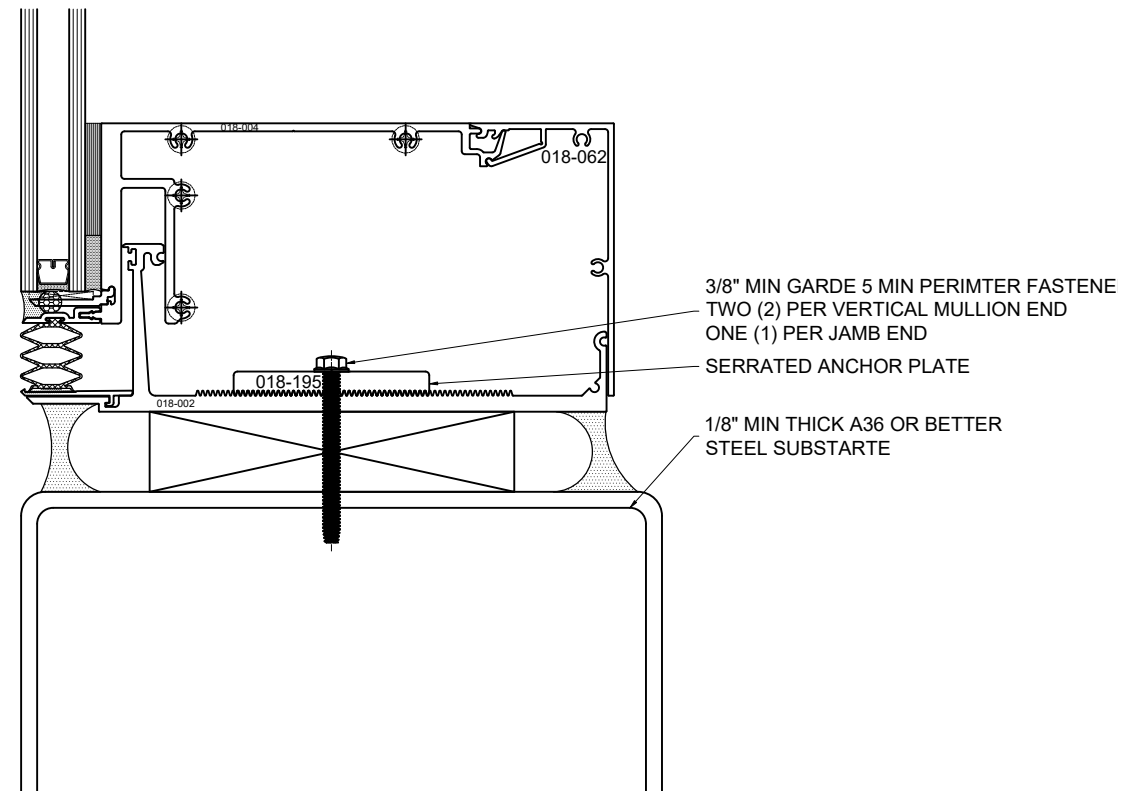
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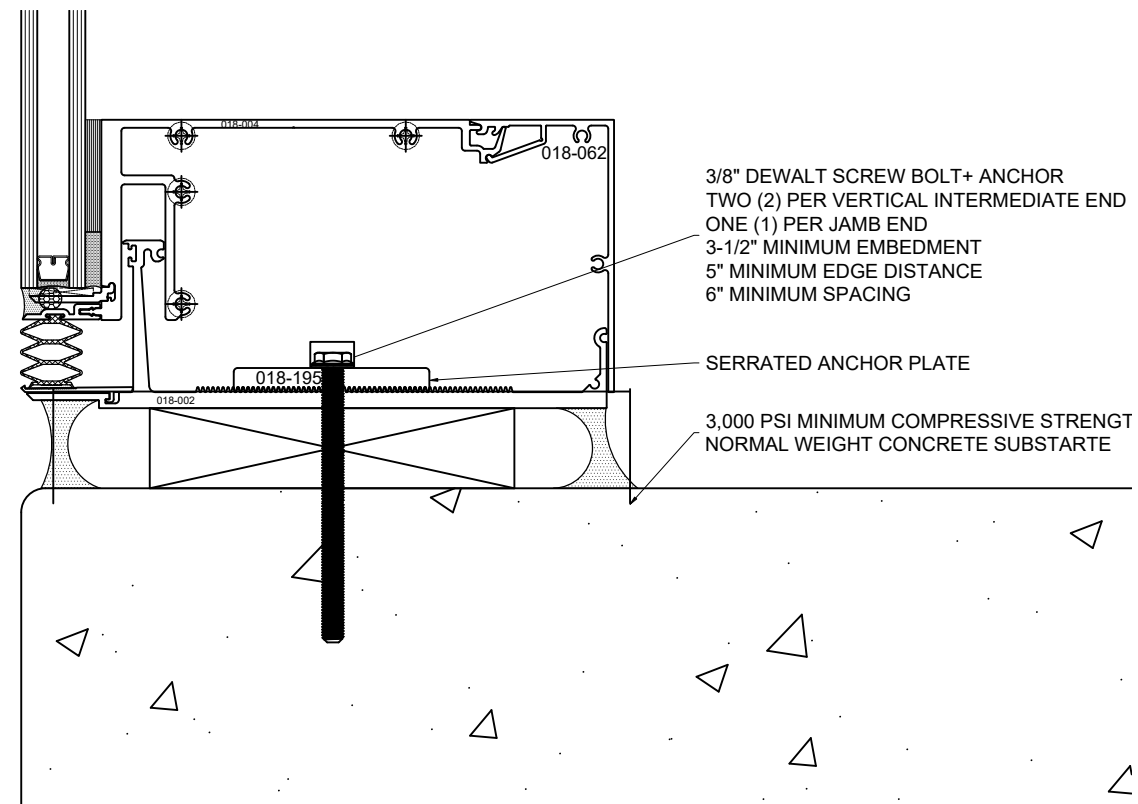
CONNECTION 1
STEEL CONNECTION AT MID-SPAN/HEAD



CONNECTION 3
CONCRETE CONNECTION AT MID-SPAN/HEAD



CONNECTION 2
STEEL CONNECTION AT SILL

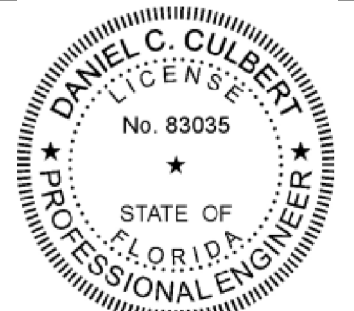


CONNECTION 4
CONCRETE CONNECTION AT SILL

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