

SENTECH

ARCHITECTURAL SYSTEMS

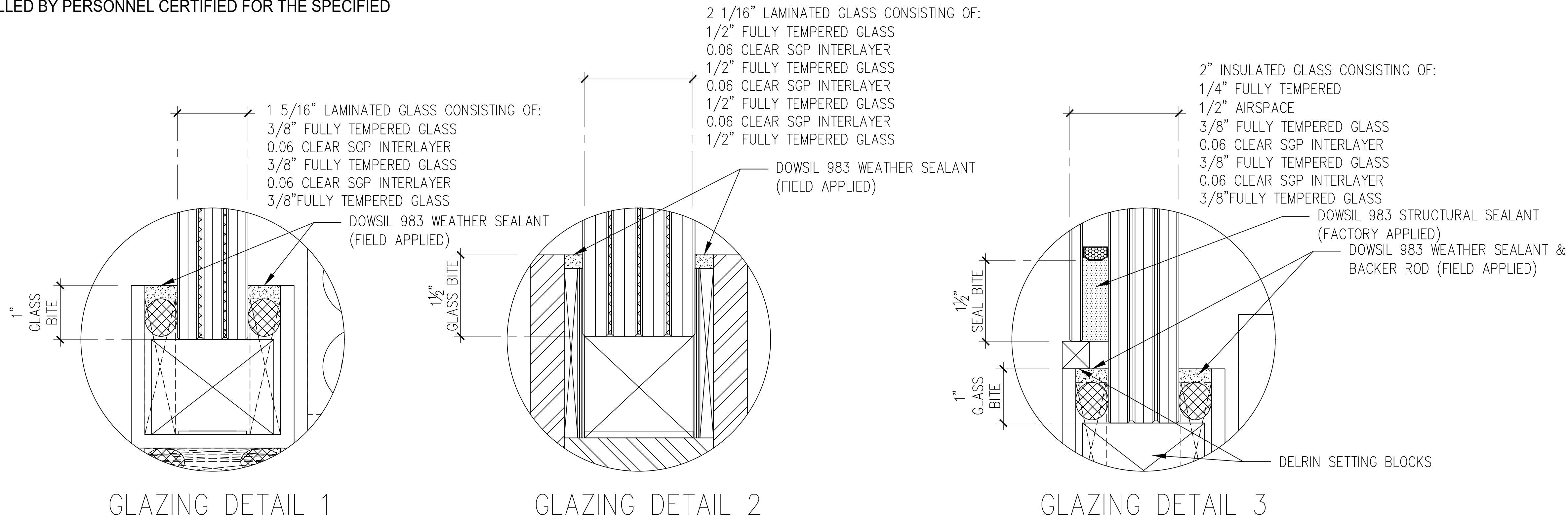
BUILDING ENVELOPE SOLUTIONS

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITH OUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- REFER TO SHEET 5-6 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, INCLUDING REQUIREMENTS FOR HVHZ AND HAS BEEN EVALAUTED ACCORDING TO THE FOLLOWING:
TAS 201-94
TAS 202-94
TAS 203-94
AAMA 501-15
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY , AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITION CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN , A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- THIS PRODUCT **DOES NOT REQUIRE** IMPACT PROTECTIVE DEVICES.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE.

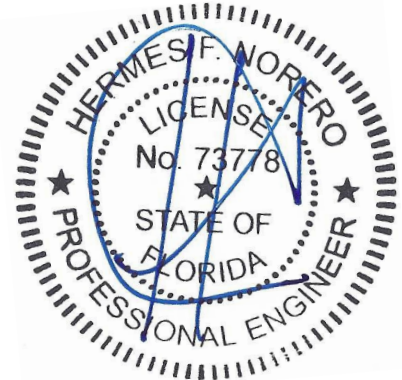


REVISIONS

No.	DESCRIPTION	DATE	BY
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APPROVAL / SUBMITTAL DATES

DESCRIPTION	DATE	BY
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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL

SENTECH
ARCHITECTURAL SYSTEMS
BUILDING ENVELOPE SOLUTIONS
4421 Supply Court Austin, TX 78744
Tel: (512) 266-7045 Fax: (512) 266-3844

Project Title
FLORIDA SUBMITTAL

Drawing Title
COVER SHEET

Project No.
C-18500

Designer/ Engineer KK	Sr. Engineer DD	Project Manager MM
Drawing No. 1	Revision No.	Drawing Scale 1

1. Do not order glass or glazing materials except from the final erection drawings.
We will assume no responsibility for errors resulting from the use of these drawings by other trades.
2. Final approval constitutes acceptance of all finishes, connections, dimensions and deviations detailed on these drawings.
G.C. VERIFY ALL DIMENSIONS.
Revisions must be submitted in writing before any action will be taken.
3. These drawings represent our interpretation of the application of Sentech's products to this project in functional compliance with the Architect's drawings and specifications. It is important that this interpretation be reviewed dimensionally and functionally with respect to actual Architect intent, interfacing conditions and materials, and job site conditions.
4. Request for revisions after we have been authorized to fabricate will be subject to a handling charge plus cost of any additional materials.
5. All Arch/Contr. notes must be responded to before we can proceed.
6. The General Contractor shall provide surrounding conditions sufficient to withstand loads imposed by our framing system.
7. Structural silicone to be DOWSIL 983. Structurally sealed surfaces to be cleaned and primed with DOWSIL Primer-C OS.
8. Weather seal to be DOWSIL 983.
9. All setting blocks and spacer blocks are to be made from Delrin.
10. All glass to be fully tempered.
11. All glass edges to be polished.
12. All glazing channels to be clear anodized aluminum U.N.O.

1. Glass to be provided to the minimum tolerances outlined in ASTM C1048.
2. Squareness of panels shall be within $\frac{1}{16}$ " per 39" of specified dimensions. Edge lengths shall be within $\frac{3}{32}$ " of specified dimensions. Holes shall be within $\frac{1}{16}$ " of specified dimensions. Bow shall be better than 0.2%.
3. Local distortion (roller waves): maximum allowable distortion to be .2 mm over 300 mm. Measurement is to be taken at least 25 mm from the glass edge.
4. Edge alignment tolerance = $\pm \frac{1}{8}$ " U.N.O.

Glass deflection shall not exceed $L/100$.

1. Comply with manufacturer's written instructions.
2. Do not install damaged products.
3. Fit joints to produce joints free of burrs and distortion.
4. Rigidly secure non-movement joints.
5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
6. Erect structural glazing and accessory items in strict accordance with the approved shop/installation drawings and installation process.
7. Glass shall not be positioned by the use of force. Provide temporary bracing and support as required to ensure stability during installation process.
8. Bolts shall be fully tightened in accordance with methods indicated in the installation drawings.
9. Clean glazing connectors receiving glazing materials of any substances that might impair the work. Remove protective coatings that might fail in adhesion or interfere with bond of sealants. Comply with the manufacturer's instructions for final wiping of surfaces immediately before the application of primer and glazing sealants. Wipe metal surfaces with an appropriate cleaning agent.
10. Prime surfaces are to receive glazing sealants in accordance with the manufacturer's recommendations, using recommended primers.
11. Locate setting blocks as required by the drawings. Use blocks of proper sizes to support the glass in accordance with the manufacturer's recommendations.
12. Ensure delrin spacers separate the glass from the attachment plates.
13. Set the glass in a manner that produces the greatest possible degree of uniformity in appearance. Face all glass, which has a dissimilar face, with matching faces in the same direction. Carefully remove all stickers and clean affected area.
14. Use masking tape or other suitable protection to limit the coverage of glazing materials on the surfaces intended for sealants.
15. Tool exposed surfaces of glazing materials.
16. Clean excess sealant from the glass and support members immediately after the application, using solvents or cleaners recommended by the manufacturers.
17. Use two setting blocks per panel for all glass set into glazing channels on bottom side, located 6" from panel edge, unless noted otherwise on drawings.

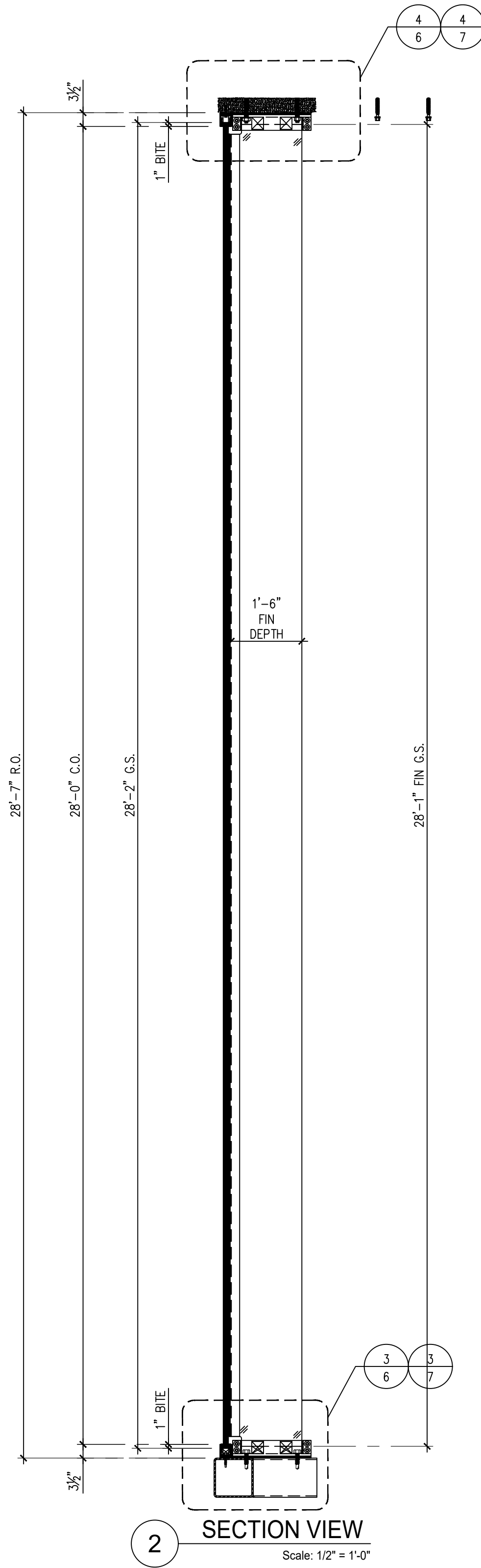
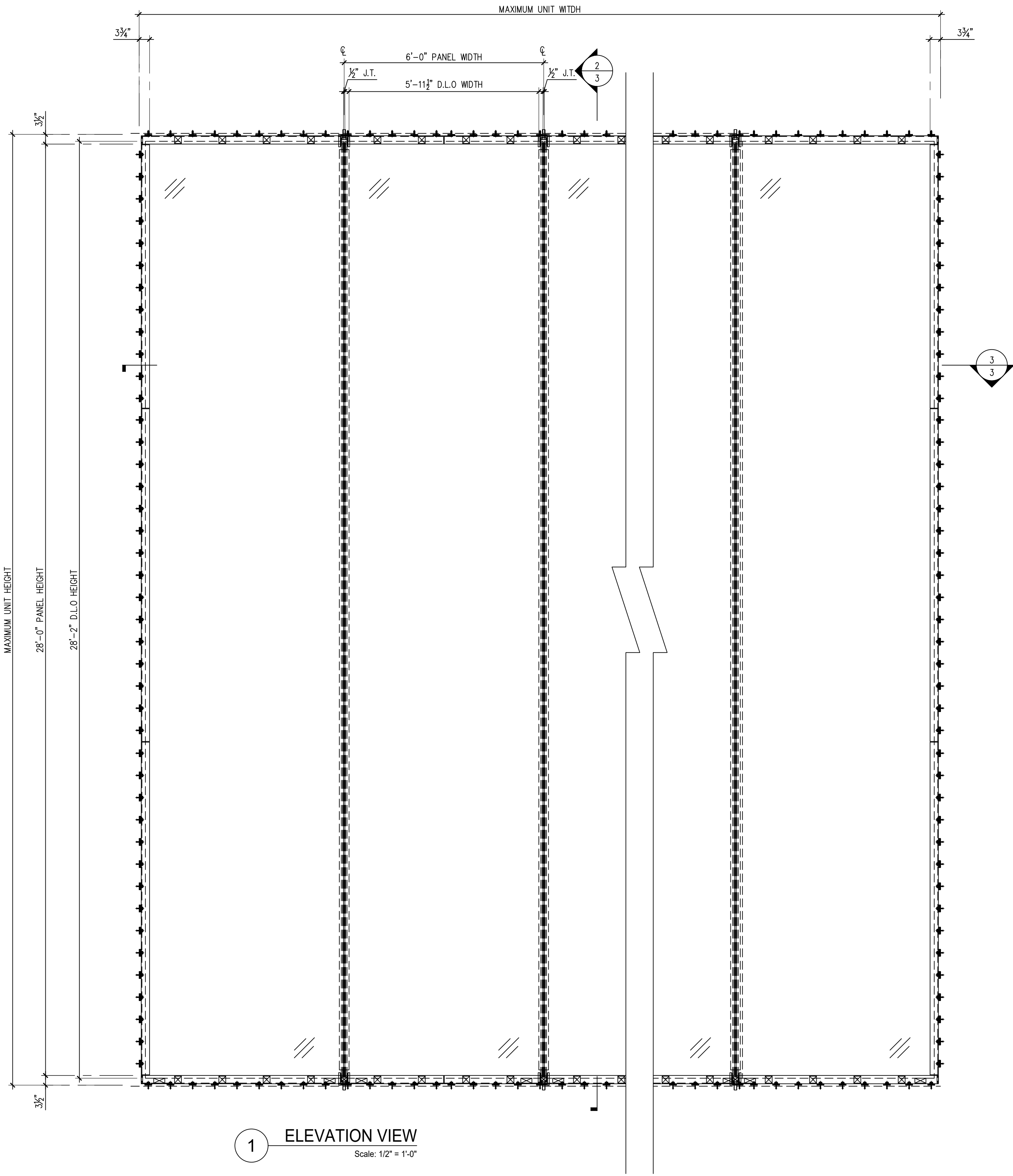
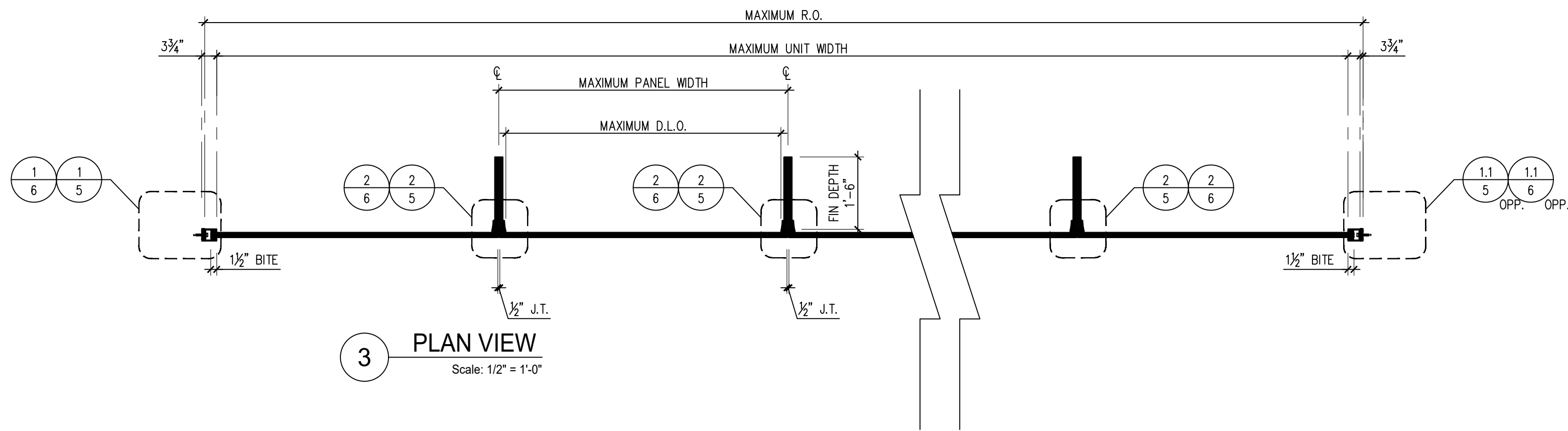
No.	DESCRIPTION
1	COVER SHEET
2	NOTES / DRAWING INDEX
3	INSTALLATION SEQUENCE
4	SPECIMEN DIMENSIONS
5	INSTALLATION ELEVATION
6	DETAILS
7	DETAILS
8	DETAILS

1. Survey and verify the rough opening dimensions as shown on 1.00.
2. Proceed to install the perimeter glazing channels. Ref. drawing 1.00A for part callouts and locations. Ref. details on 2.00. Note when installing the channels:
 - a. Adjacent channels have 1/4" gaps between them as shown on 1.00A. Use Dow 123 tape and DOWSIL 983 weather sealant as required to fill these gaps so the system remains watertight.
 - b. The head and sill channels overlap the jamb channels as shown on 1.00A. There should be a maximum 1/4" gap between the jamb channel and the overlapping head/sill channel. Fill these gaps as instructed in step 2a.
 - c. Use the provided CHSH-A, CHSH-B, and CHSH-C channel shims as required when installing the channels. Channels should be installed level, plumb, and within 1/16" of their theoretical location.
 - d. The centerline of the channels should be 3" from the exterior face of steel (as shown on 1.00) so that the first fin shoe bolt will land on the workable flat of the 10x10 steel tube. Ref. details 3,4/2.00.
3. Proceed to install the FSA-1 and FSA-2 fin shoes. Ref. drawing 1.00A for part callouts. Ref. details on 2.00. Note when installing the fin shoes:
 - a. Fin shoes should be installed with a 1/4" gap between the front edge of the fin shoe and the inside face of channel as shown on 2.00.
 - b. Ensure the fin shoes are installed centered along the vertical joint centerline locations and that the head fin shoes are aligned with the sill fin shoes.
 - c. Use the provided FSSH-A, FSSH-B, and FSSH-C fin shoe shims as required when installing the fin shoes. Fin shoes should be installed level, plumb, and within 1/16" of their theoretical location.
4. Proceed to install the glass fin assemblies. Ref. details on 2.00 and 2.00A. Note when installing the glass fins:
 - a. Ensure all the fin shoe setting blocks and spacer blocks are installed within the fin shoes when installing the fins. Ref. drawing 2.00A. Note that additional 1/32" thick spacer blocks have been provided for the back edge of the shoe to account for any glass edge mis-alignment as well as on the sides of the fin shoe to center the fin within the shoe. Use as required.
 - b. IMPORTANT: Ensure the centerline of the fin aligns with the vertical joint centerline to ensure adequate sealant bite between the face of the aluminum fin edge extrusion and the facade panels. Use temporary shoring as required to remove any bow from the fins to achieve this alignment.
 - c. When installed, verify the fin is plumb and that the front face of the aluminum fin extrusion is at the 2-17/32" dimension from the exterior face of the glazing channel as shown on 2.00. This will help ensure the 3/8" sealant glue line between the inside face of glass and the face of the extrusion.
5. Proceed to install the facade panels. Ref. details on 2.00. Note when installing the panels:
 - a. Ensure the CHSB-1 setting blocks are used within the sill channels. Use (2) per panel.
 - b. Ensure the CHSB-2 wind load blocks are used within the head and sill channels. Use structural sealant to adhere these wind load blocks to the channel walls. CHSB-2 blocks should be spaced at 16" o/c as shown on 1.00A.
 - c. Install the (2) jamb panels prior to installing the center panel to ensure adequate installation clearance for the panels.
6. Once all the panel locations and joint sizes have been verified, proceed to glaze the system with DOWSIL 983 structural sealant. Ref. the details on drawing 2.00 for callouts of where 983 will be used as weather sealant vs. structural sealant as well as required sealant bites where 983 will be used as a structural sealant. Note that in locations where the DOWSIL 983 will be used as a structural sealant (facade glass to fin edge extrusion-2/2.00 and jamb channels-1/2.00), the sealant surfaces must be cleaned and primed using DOWSIL Primer-C OS. Ref. DOWSIL instructions for cleaning and primer application.

1. Use Loctite thread locker on all threaded fastener connections to the perimeter structure.
2. If shim spaces exceed what is outlined in the details for any of the structural connections, contact Sentechn prior to proceeding with installation for review and approval of the connection.

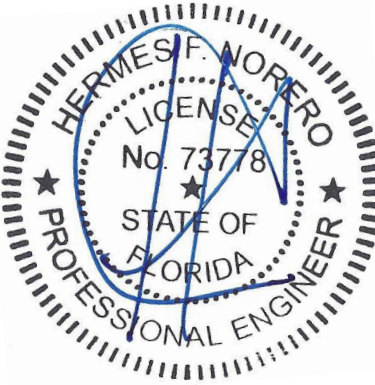
DESIGN PRESSURE TABLE (PSF)							
WINDOW WIDTH (INCHES)							
WINDOW HEIGHT (INCHES)		70.0	78.0	84.0	96.0	108.0	120.0
	192.0	120.0	110.0	103.0	90.0	80.0	72.0
	216.0	120.0	110.0	103.0	90.0	80.0	72.0
	240.0	120.0	110.0	103.0	90.0	80.0	72.0
	252.0	120.0	110.0	103.0	90.0	-	-
	264.0	120.0	110.0	103.0	-	-	-
	288.0	120.0	110.0	103.0	-	-	-
	312.0	120.0	110.0	-	-	-	-
	336.0	120.0	-	-	-	-	-
	343.0	120.0	-	-	-	-	-

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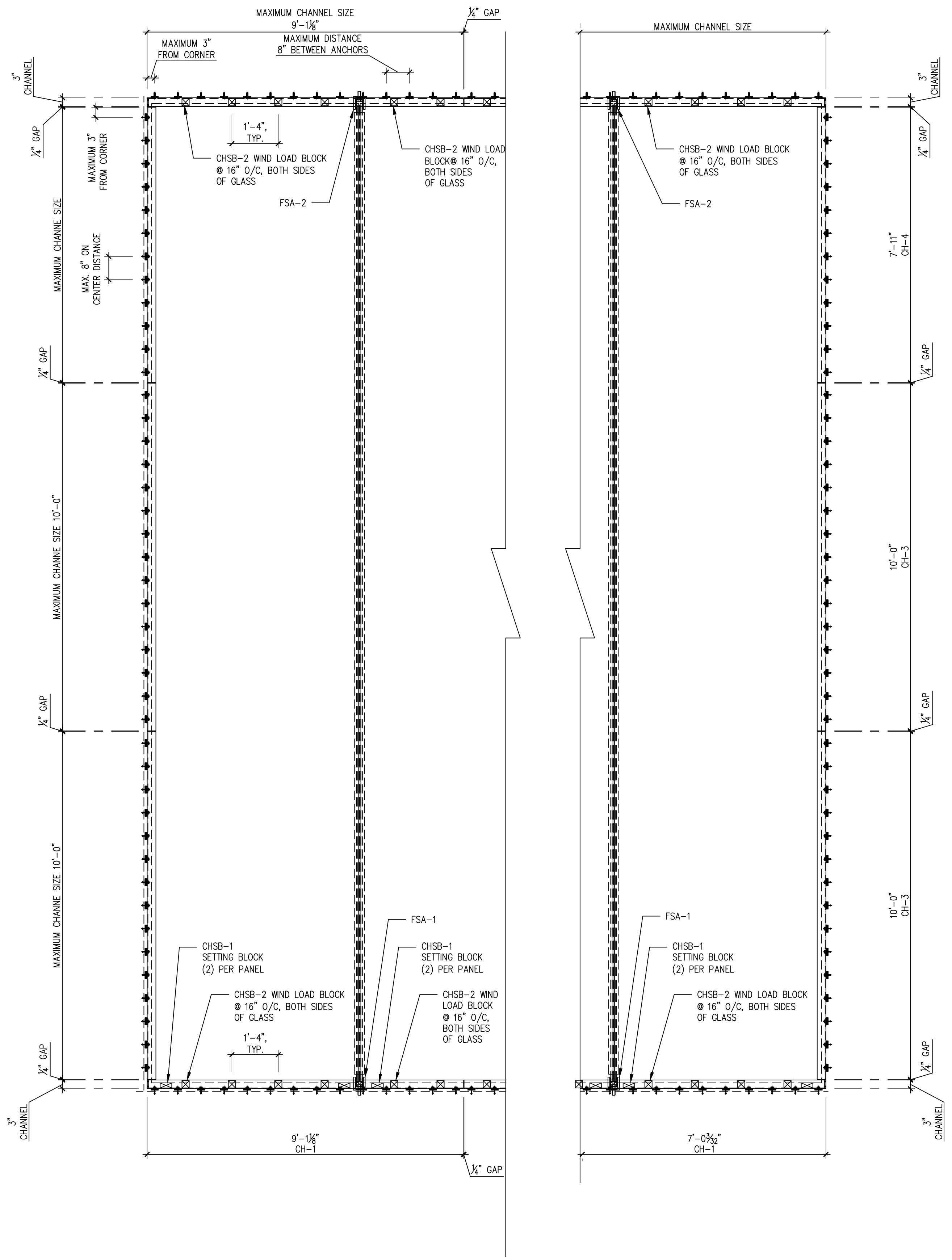
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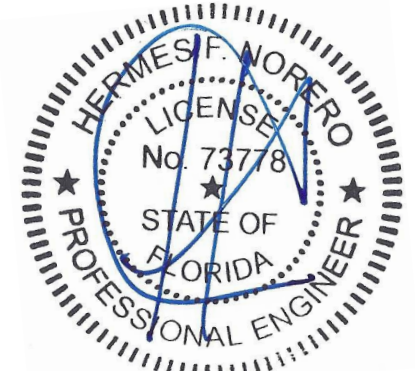
Project Title		
FLORIDA SUBMITTAL		
Drawing Title		
SPECIMEN DIMENSIONS		
Project No.		
C-18500		
Designer/ Engineer	Sr. Engineer	Project Manager
KK	DD	MM
Drawing No.	Revision No.	Drawing Scale
3	1	



1 INSTALLATION ELEVATION
Scale: 1/2" = 1'-0"

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Project Title FLORIDA SUBMITTAL		
Drawing Title INSTALLATION ELEVATION		
Project No. C-18500		
Designer/ Engineer KK	Sr. Engineer DD	Project Manager MM
Drawing No. 4	Revision No. 1	Drawing Scale



Designer/ Engineer KK	Sr. Engineer DD	Project Manager MM
Drawing No. 5	Revision No. 1	Drawing Scale



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ARCHITECTURAL SYSTEMS

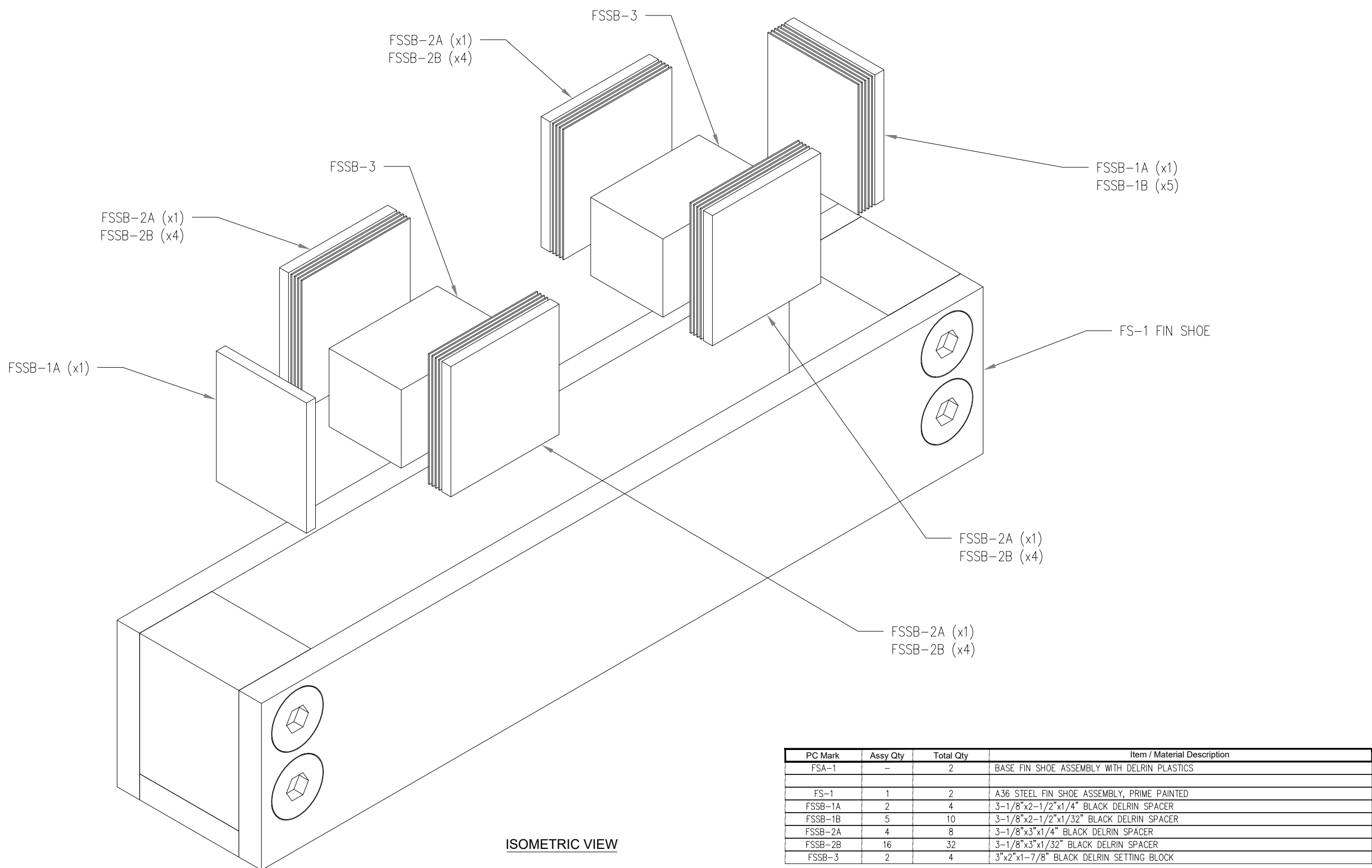
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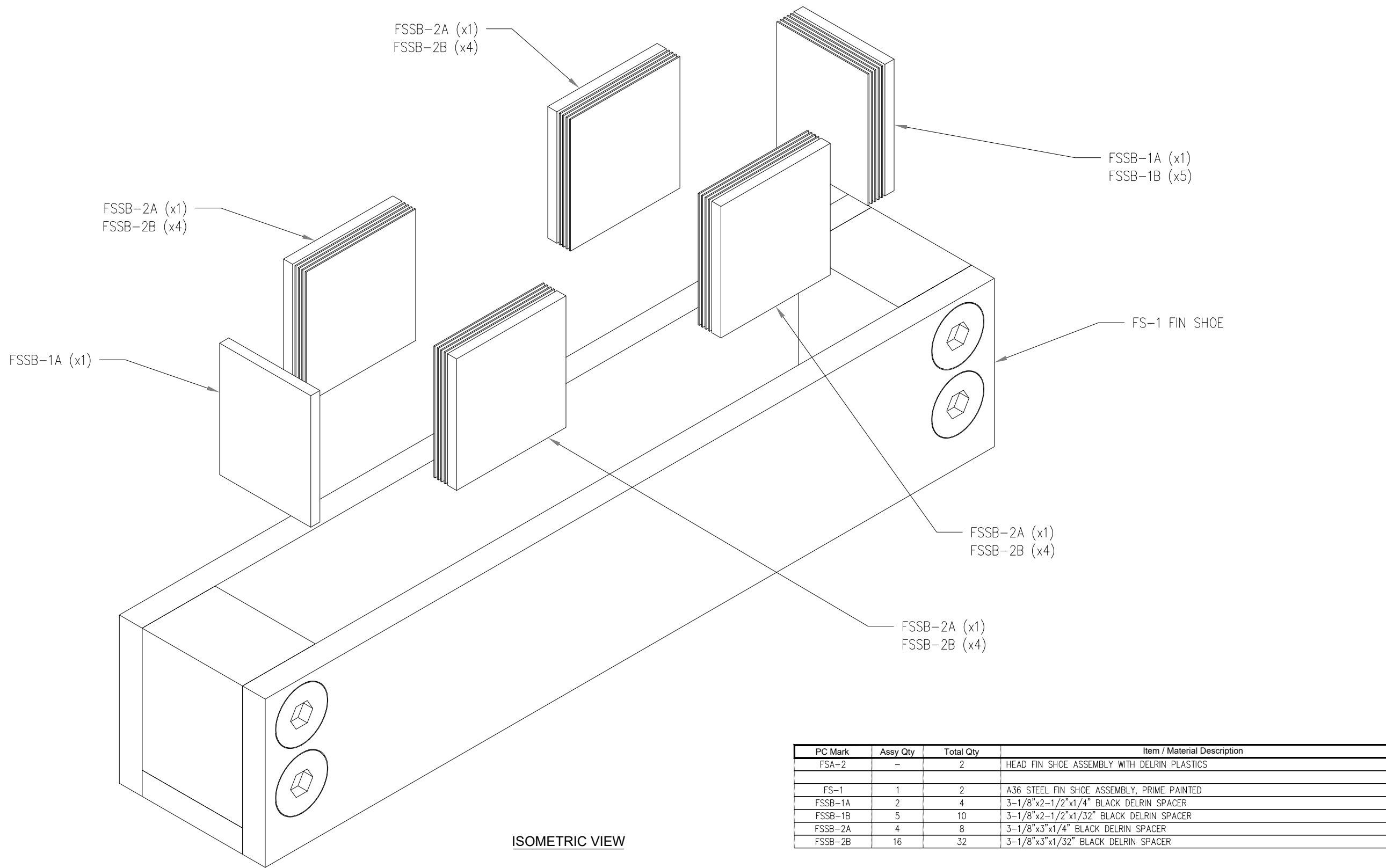
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Drawing Title		
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C-18500		
Designer/ Engineer	Sr. Engineer	Project Manager
KK	DD	MM
Drawing No.	Revision No.	Drawing Scale
6	1	



ISOMETRIC VIEW

1 FSA-1 FIN SHOE DETAIL

Scale: 1'-0" = 1'-0"



ISOMETRIC VIEW

2 FSA-2 FIN SHOE DETAIL

Scale: 1'-0" = 1'-0"

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7		1