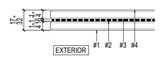
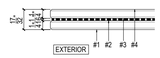
INSTALLATION INSTRUCTIONS FOR
ELICC AMERICAS CORPORATION
CW-400 SERIES SMALL MISSILE IMPACT (SMI)

GLASS TYPE

LEGEND	DESCRIPTION	SECTION
GL-105A	GL-105A: VISION GLASS FT 6MM CLEAR + 1.52MM PVB + FT 6MM CLEAR LAMINATED GLASS（USED FOR SMI）	
GL-105B	GL-105B: VISION GLASS HS 6MM CLEAR + 1.52MM PVB + HS 6MM CLEAR LAMINATED GLASS（USED FOR SMI）	

NOTE:
GLASS COMPLIES WITH EI300-16
(3 SEC. GUSTS)

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS TO THE 8TH EDITION OF FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. FACADE RATED FOR SMALL MISSILE IMPACT.
3. THESE FACADES ARE APPROVED FOR AIR (6.24 PSF) AND (16.5 PSF (15 % OF 110 PSF)) WATER INFILTRATION.
4. ANCHORS SHALL BE AS LISTED. SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
5. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
6. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
7. METAL STRUCTURAL AND/ OR WOOD STRUCTURAL BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
8. ULTIMATE LOAD OBTAINED FROM ASCE 7-10 / ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX.DESIGN LOADS OBTAINED FROM WIND TUNNEL STUDY THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
9. SEALANT: ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS ON WIND VELOCITY. BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.

STEP 2: SEE SHEET PE-110 ~ PE-111 FOR APPROVED WINDOW SIZE AND DESIGN LOAD.

STEP 3: SEE SHEET AN-402 FOR ANCHORS CAPACITY CHARTS

STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2&3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED IN STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS:

S.T. ----- SELF TAPPING SCREW
S.M.S. ----- SHEET METAL SCREW
H.W.H. ----- HEX WASHER HEAD SCREW
H.H. ----- HEX HEAD SCREW
P.H. ----- PAN HEAD SCREW
F.H. ----- FLAT HEAD SCREW
G.M.S. ----- GALVANIZED MILD STEEL
B.M.U. ----- BUILDING MAINTENANCE UNIT TIEBACK
S.D. ----- SELF DRILL
HS ----- HEAT STRENGTHENED
FT ----- TEMPERED
PPC ----- POLYESTER POWDER COATED

DIM. -----DIMENSION
LG. -----LONG
MAX. -----MAXIMUM
MIN. -----MINIMUM
MS -----MACHINE SCREW
NO. -----NUMBER
N.T.S. -----NOT TO SCALE
PSF -----POUNDS PER SQUARE FEET
PVC -----POLYVINYLCHLORIDE
QTY. -----QUANTITY
GR-----GRADE
O.C.-----ON CENTRAL

SF-----SQUARE FEET
SIM. -----SIMILAR
SQ. -----SQUARE
S.S. -----STAINLESS STEEL
THK. -----THICKNESS
TYP. -----TYPICAL
U.H. -----UNIT HEIGHT
W/ -----WITH
W.P. -----WORK POINT
C.O. -----CLEAR OPENING
F.O. -----FRAME OPENING
T.O.S. -----TOP OF SLAB

SYMBOLS:

DRAWING TAG — 01 / DT-5000 — DRAWING No. / SHEET No.

WORKING POINT

LIMITATIONS OF USE

A. THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDED 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.

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/08/2025

Job No.:

Key Plan/Elevation:



No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

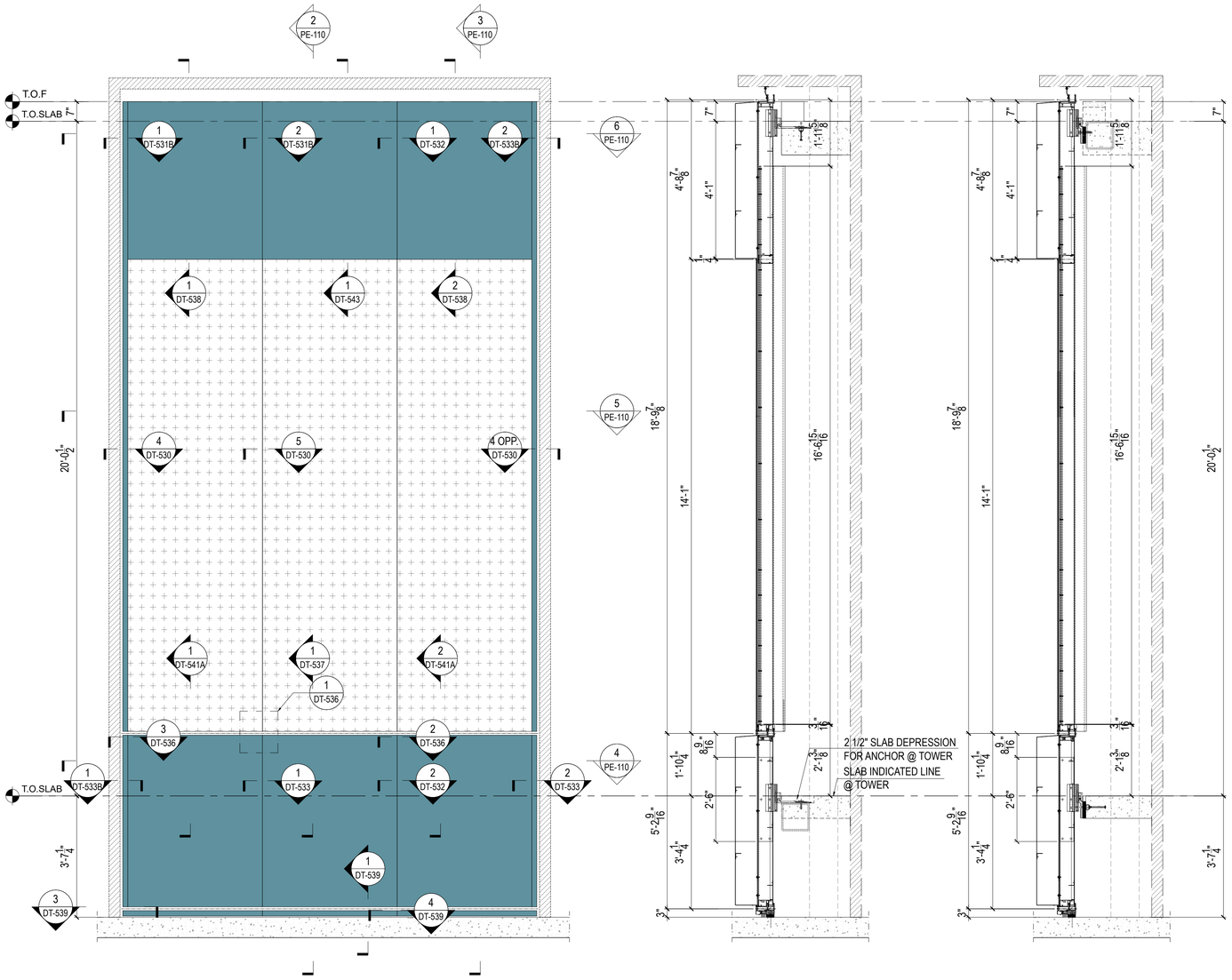
Project:
ELICC CW-400 SERIES

Title:
COVER

Sheet No.: GN-401

Date: Jan. 25, 2025	Revision No.: -
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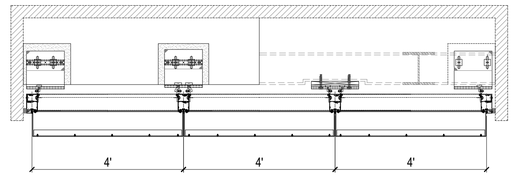
Phase: System Drawing



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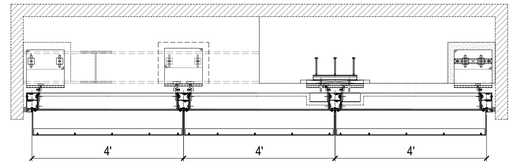
2 SECTION
Scale:1/2"=1'-0"

3 SECTION
Scale:1/2"=1'-0"



6 PLAN
Scale:1/2"=1'-0"

5 PLAN
Scale:1/2"=1'-0"



4 PLAN
Scale:1/2"=1'-0"

REFRENCE WALL TYPE WT-2

TESTS PER:	SPECIMEN # 11
TAS-201	SMALL MISSILE IMPACT
TAS-202	DESIGN WIND LOAD: ±110 PSF
TAS-203	

Legend:

METAL PANEL
PANEL 1 : 3MM THICK ALUMINUM PANEL;COLOR: -

VISION GLASS
GL-105A: FT 6MM CLEAR + 1.52MM PVB + FT 6MM CLEAR LAMINATED GLASS

ELICC CW-400 SERIES

FL – #47352

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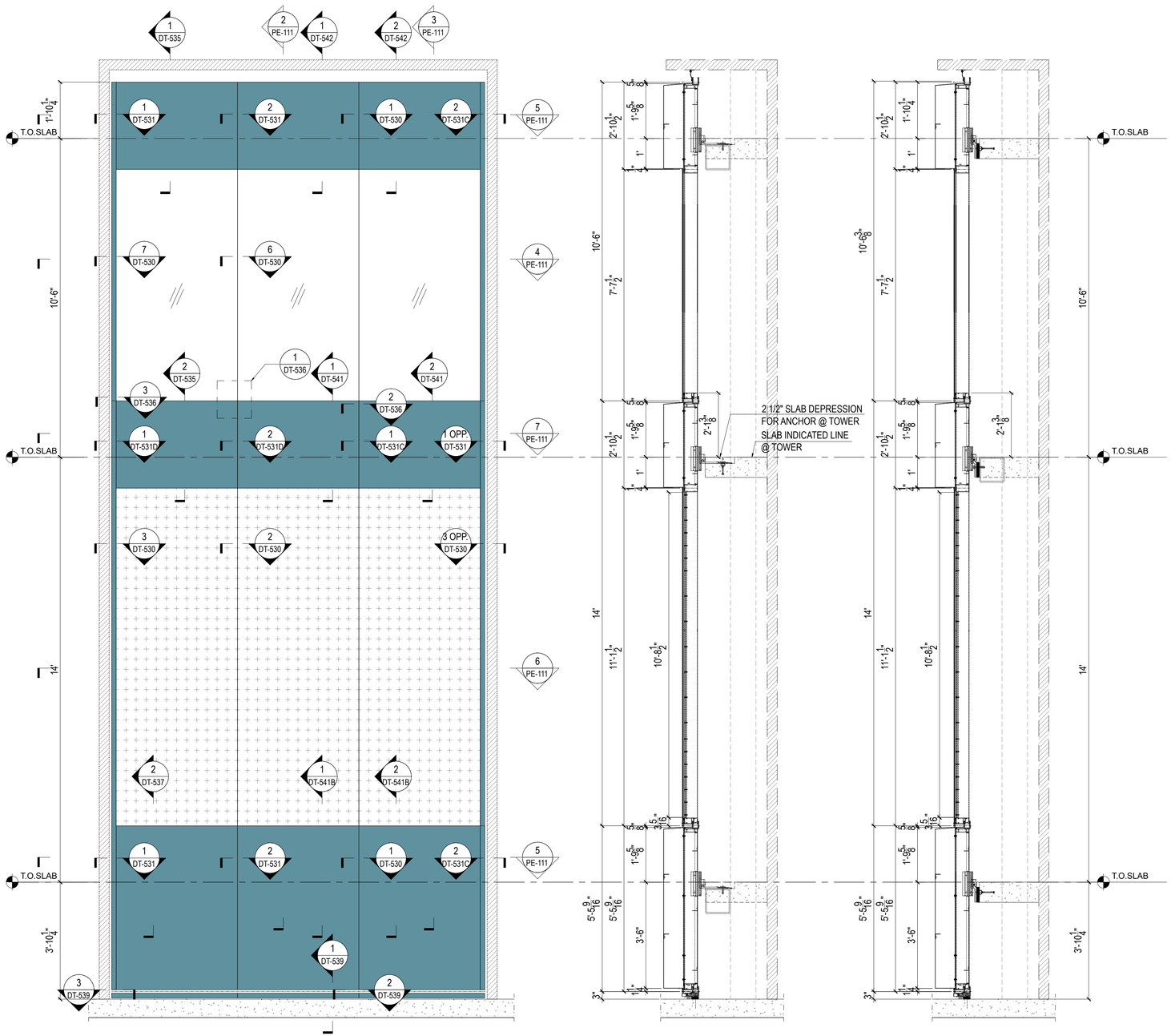
Project:
ELICC CW-400 SERIES

Title:
SMALL MISSILE IMPACT
TESTING ELEVATION

Sheet No.: PE-110

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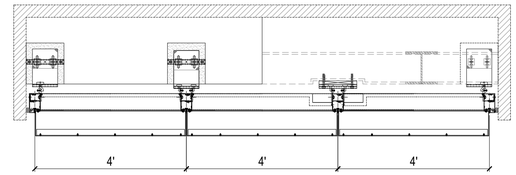
Phase: System Drawing



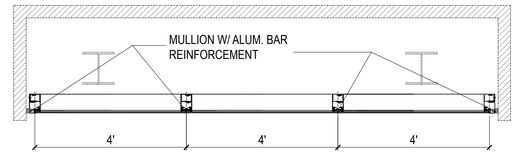
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2 SECTION
Scale:1/2"=1'-0"

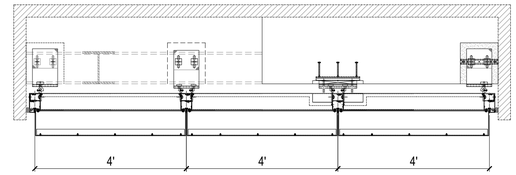
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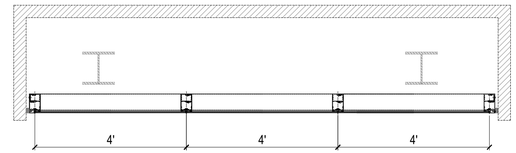
7 PLAN
Scale:1/2"=1'-0"



6 PLAN
Scale:1/2"=1'-0"



5 PLAN
Scale:1/2"=1'-0"



4 PLAN
Scale:1/2"=1'-0"

REFRENCE WALL TYPE WT-2

SPECIMEN # 12	TESTS PER:
SMALL MISSILE IMPACT	TAS-201
DESIGN WIND LOAD: ±110 PSF	TAS-202
	TAS-203

Legend:

- METAL PANEL
  PANEL 1 : 3MM THICK ALUMINUM PANEL;COLOR: -
- VISION GLASS
  GL-105A: FT 6MM CLEAR + 1.52MM PVB + FT 6MM CLEAR LAMINATED GLASS
- VISION GLASS
  GL-105B: HS 6MM CLEAR + 1.52MM PVB + HS 6MM CLEAR LAMINATED GLASS

ELICC CW-400 SERIES

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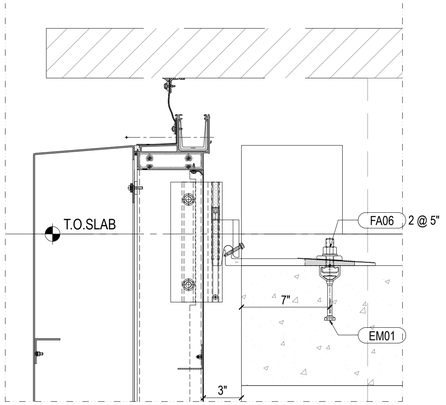
Project:
ELICC CW-400 SERIES

Title:
SMALL MISSILE IMPACT
TESTING ELEVATION

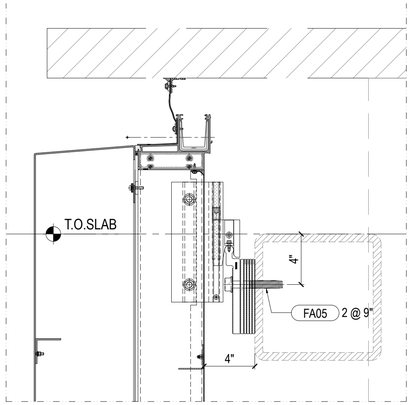
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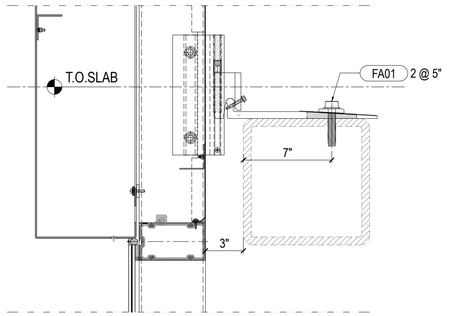
Phase: System Drawing



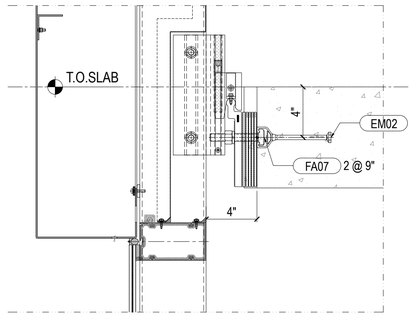
A1 INTERMEDIATE ON STEEL



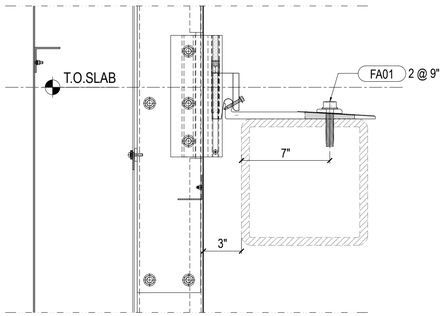
B1 INTERMEDIATE ON STEEL



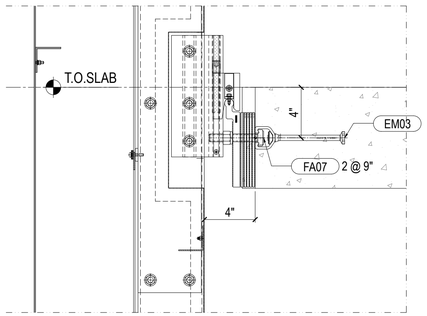
D1 INTERMEDIATE ON STEEL



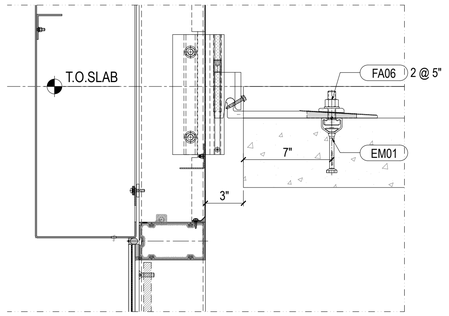
E1 INTERMEDIATE ON STEEL



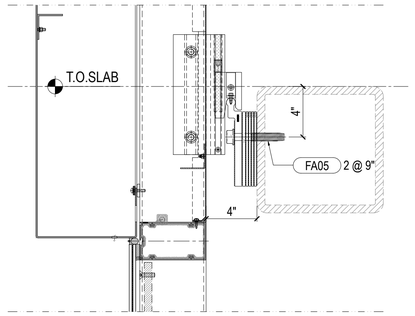
A2 INTERMEDIATE ON STEEL



B2 INTERMEDIATE ON STEEL



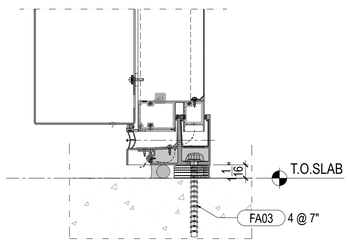
D2 INTERMEDIATE ON STEEL



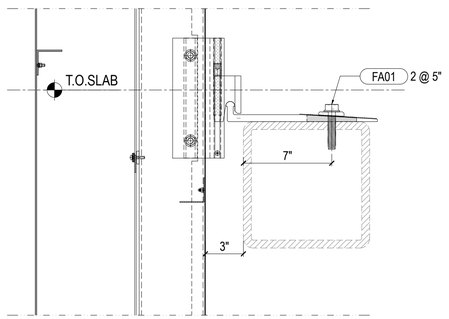
E2 INTERMEDIATE ON STEEL

LIST OF FASTENERS

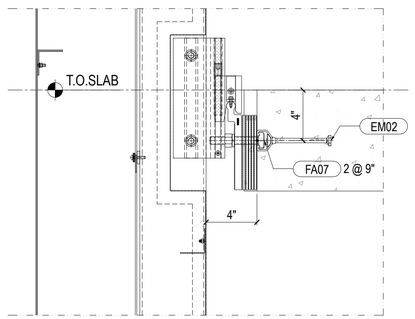
TAG	DESCRIPTION	GRADE	MATERIAL/FINISH
FA01	5/8"-11X3" TAP-FLEX STRUCTURAL SCREWS	GRADE 5	Material:Alloy steel FINISH:Silver Stalgard ® SUB coating
FA03	KH-EZ 1/2"X6" CONCRETE SCREW ANCHOR MANUFACTURER: HILTI		Material:Carbon steel Finish:zinc-plated (min. 8 µm)
FA05	5/8"-11X3" TAP-FLEX STRUCTURAL SCREWS	GRADE 5	Material:Alloy steel FINISH:Silver Stalgard ® SUB coating
FA06	T-HEAD BOLT W/ WASHER MANUFACTURER: HILTI TAG: HBC-C M16x60mm	GRADE:8.8	Material:Steel Grade 8.8 Finish:Hot dip galvanized 45 µm
FA07	T-HEAD BOLT W/ WASHER MANUFACTURER: HILTI TAG: HBC-C M16x100mm	GRADE:8.8	Material:Steel Grade 8.8 Finish:Hot dip galvanized 45 µm
EM01	Hilti ANCHOR CHANNEL Hilti HAC-V 50 106/300 F	GRADE:8.8	Material:A 283 C(Q235B) Finish:Hot dip galvanized ≥ 56 µm
EM02	Hilti ANCHOR CHANNEL Hilti HAC-V 50 144/350 F	GRADE:8.8	Material:A 283 C(Q235B) Finish:Hot dip galvanized ≥ 56 µm
EM03	Hilti ANCHOR CHANNEL Hilti HAC-V 70 175/350 F	GRADE:8.8	Material:A 283 C(Q235B) Finish:Hot dip galvanized ≥ 56 µm



C SILL ON CONCRETE



D3 INTERMEDIATE ON STEEL



E3 INTERMEDIATE ON STEEL

ELICC CW-400 SERIES

FL #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

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04/08/2025

Job No.:

Key Plan/Elevation:

No.	Date	Description
-	-	-

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Architect:

Facade Consultant:

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13475 DANIELSON ST.
POWAY, CA 92064
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Design Team:

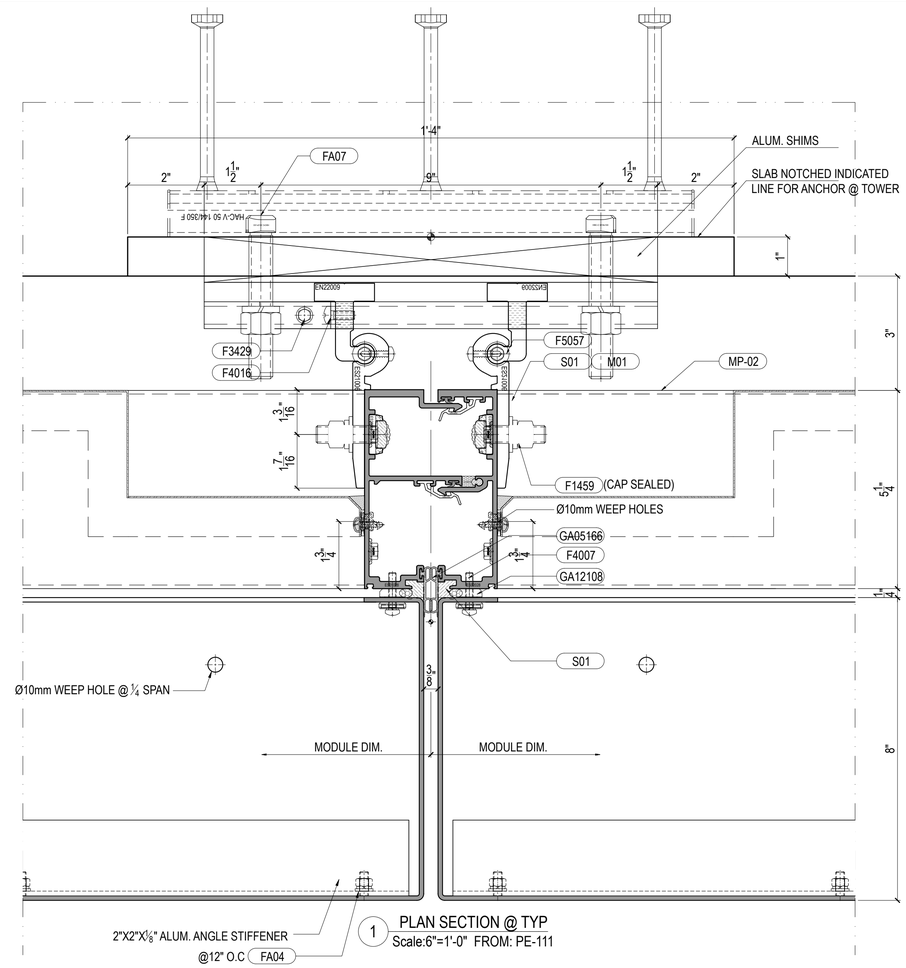
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL

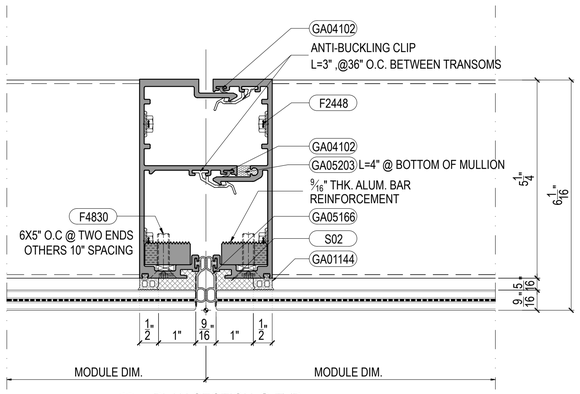
Sheet No.: AN-402

Date: Jan. 25, 2025	Revision No.: -
Scale: 2'-0"=1'-0"	Size: 22"x34"

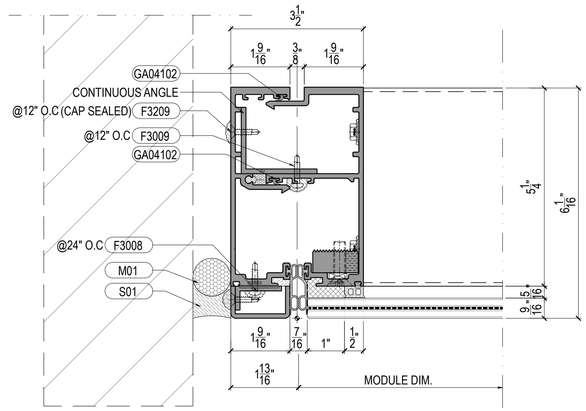
Phase: System Drawing



1 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM: PE-111



2 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-111



3 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM: PE-111

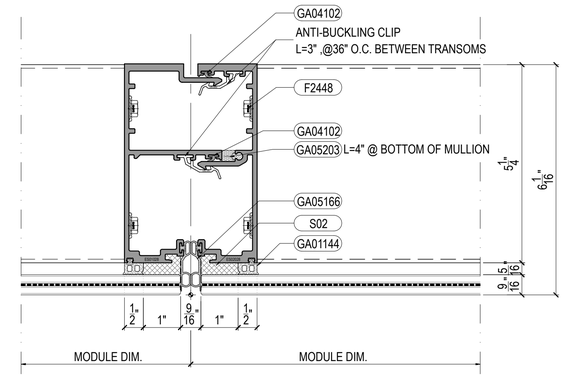
ELICC CW-400 SERIES

FL – #47352

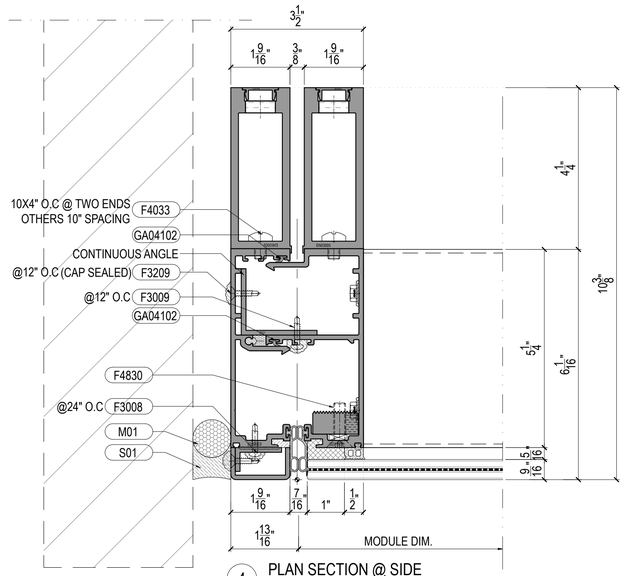
PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

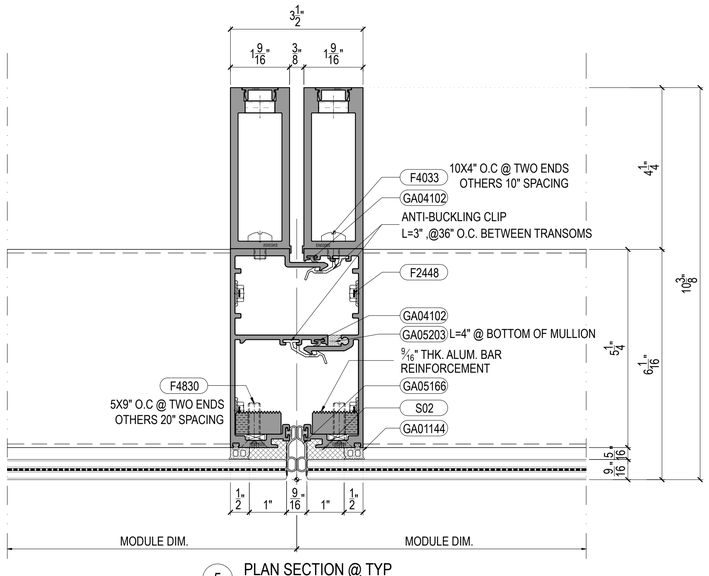
04/08/2025



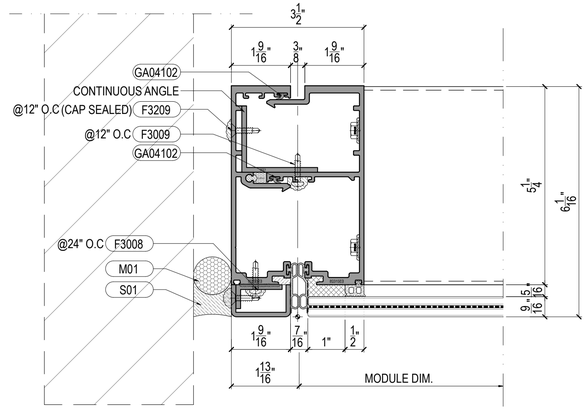
6 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM: PE-111



4 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-110



5 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-110



7 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM: PE-111

Job No.:

Key Plan/Elevation:

No.	Date	Description
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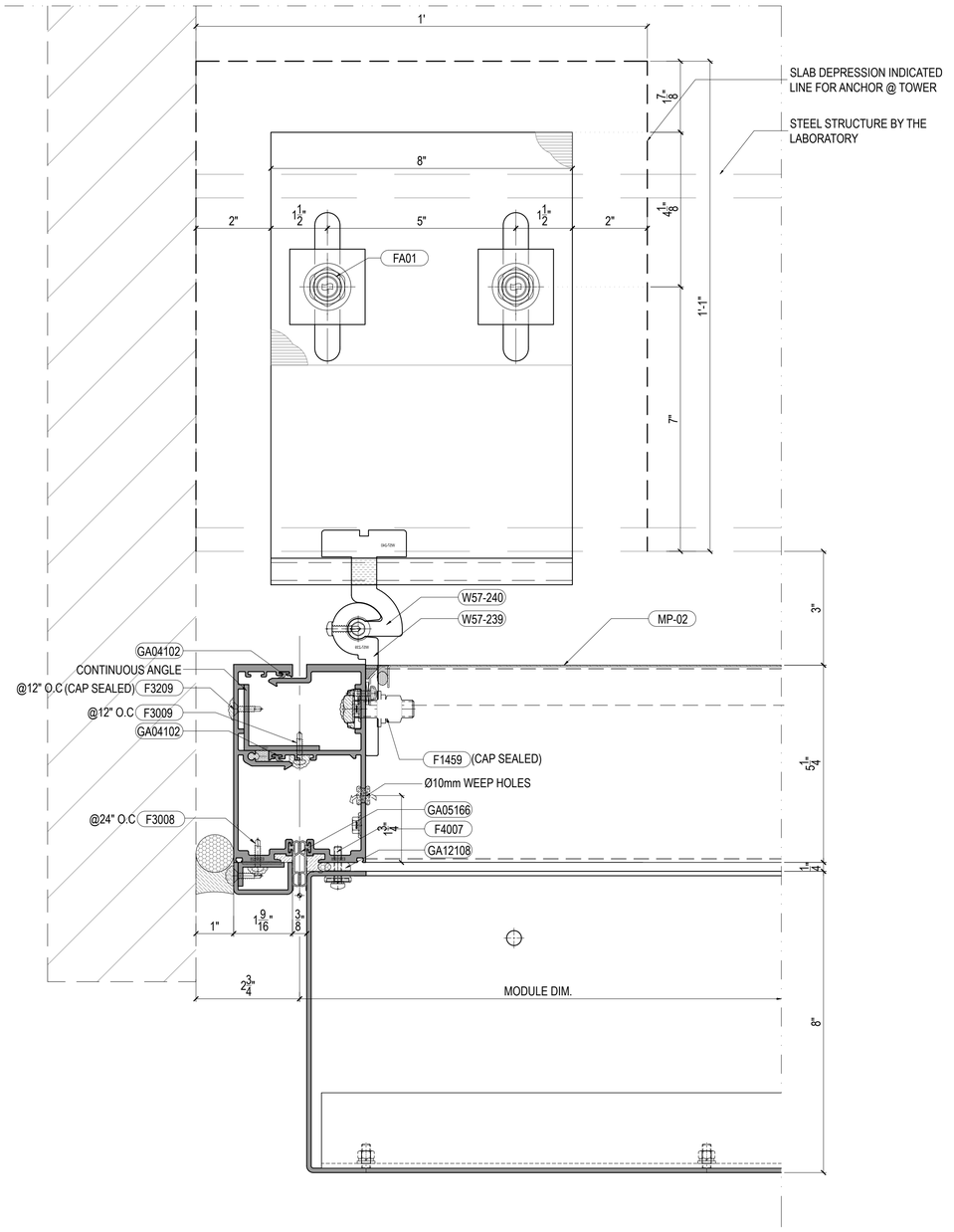
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

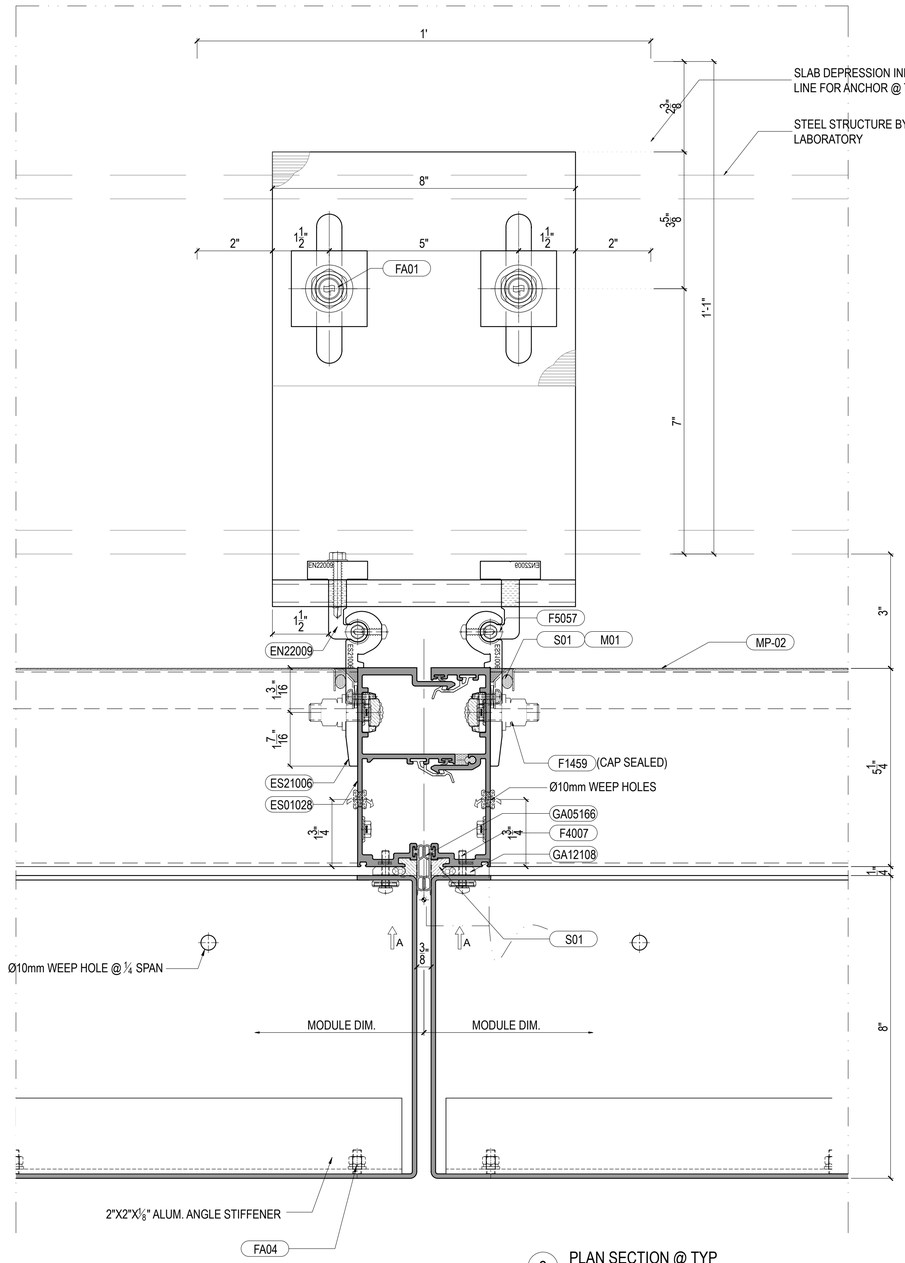
Sheet No.: DT-530

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

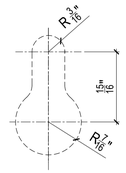
Phase: System Drawing



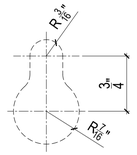
1 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-111



2 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-111



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/08/2025

Job No.:

Key Plan/Elevation:

No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

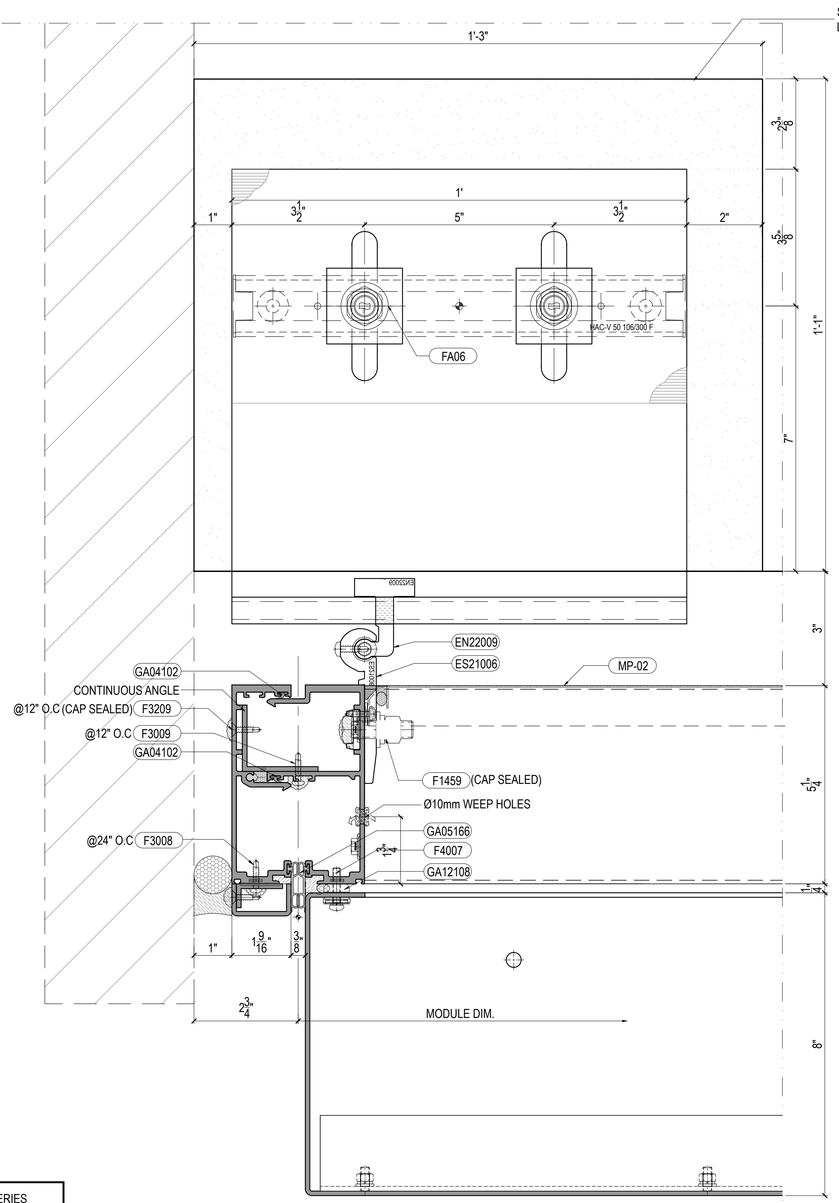
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

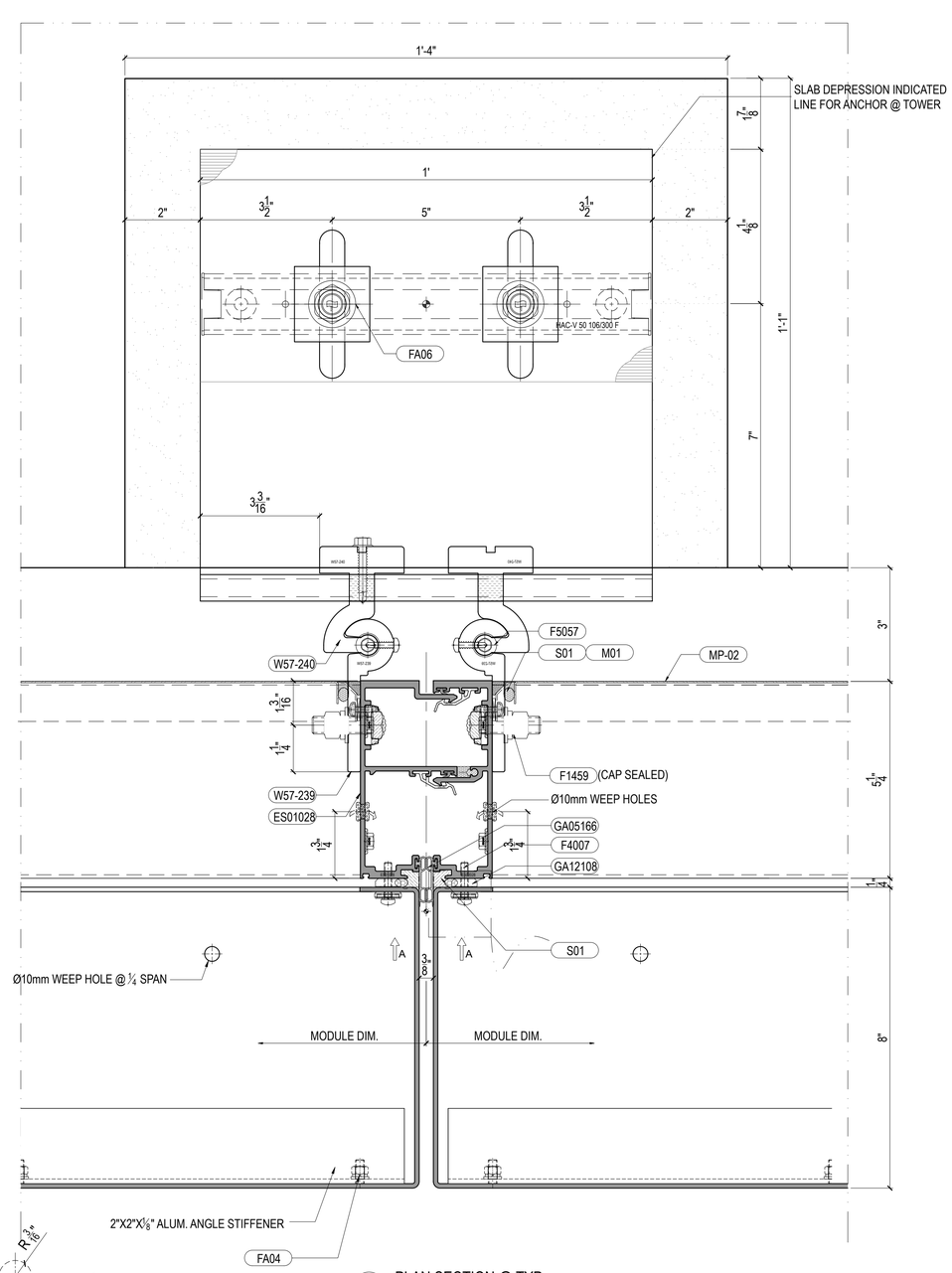
Sheet No.: DT-531

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

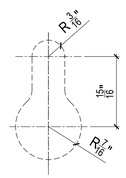
Phase: System Drawing



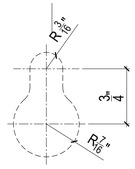
1 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-110



2 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-110



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"

ELICC CW-400 SERIES

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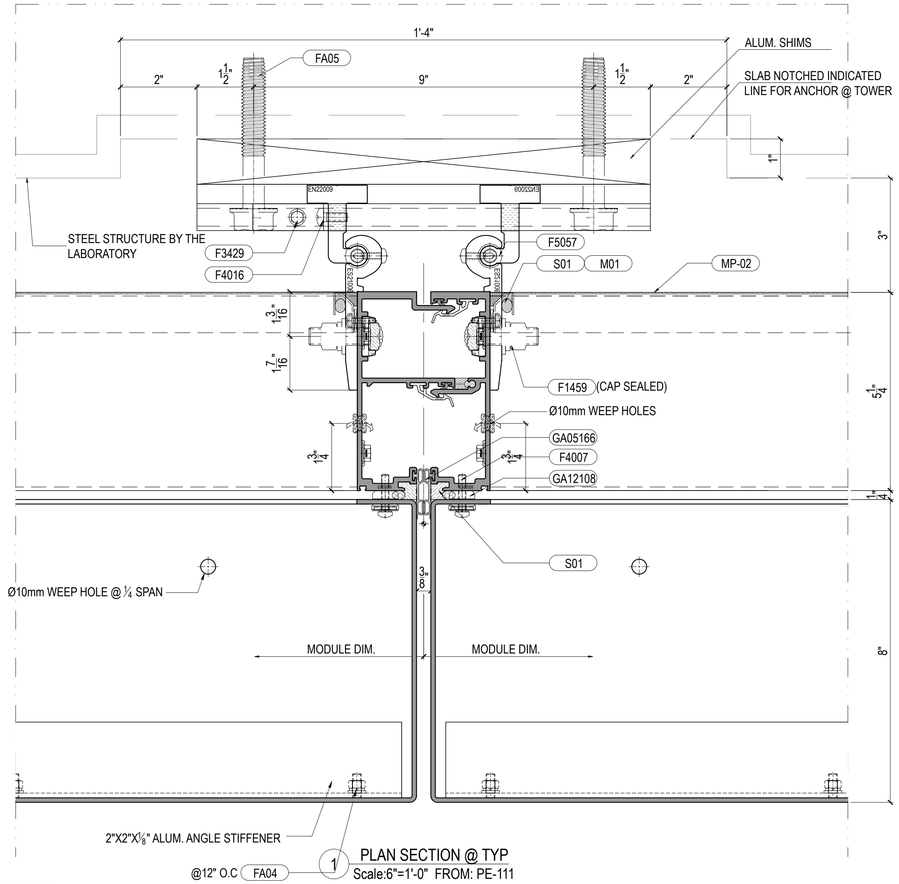
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

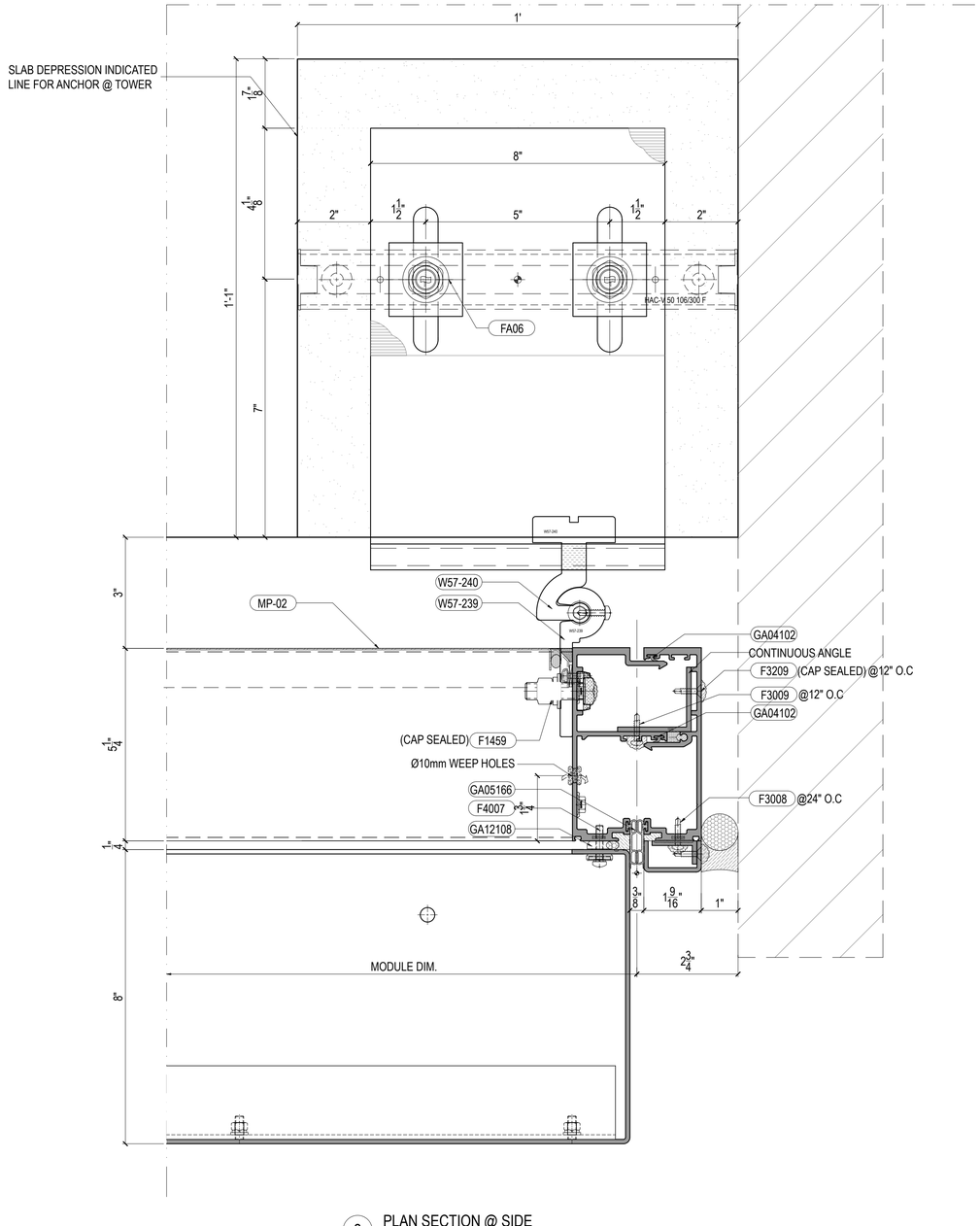
Sheet No.: DT-531B

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

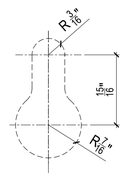
Phase: System Drawing



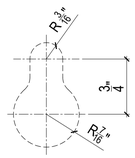
1 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM: PE-111



2 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-111



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"

ELICC CW-400 SERIES

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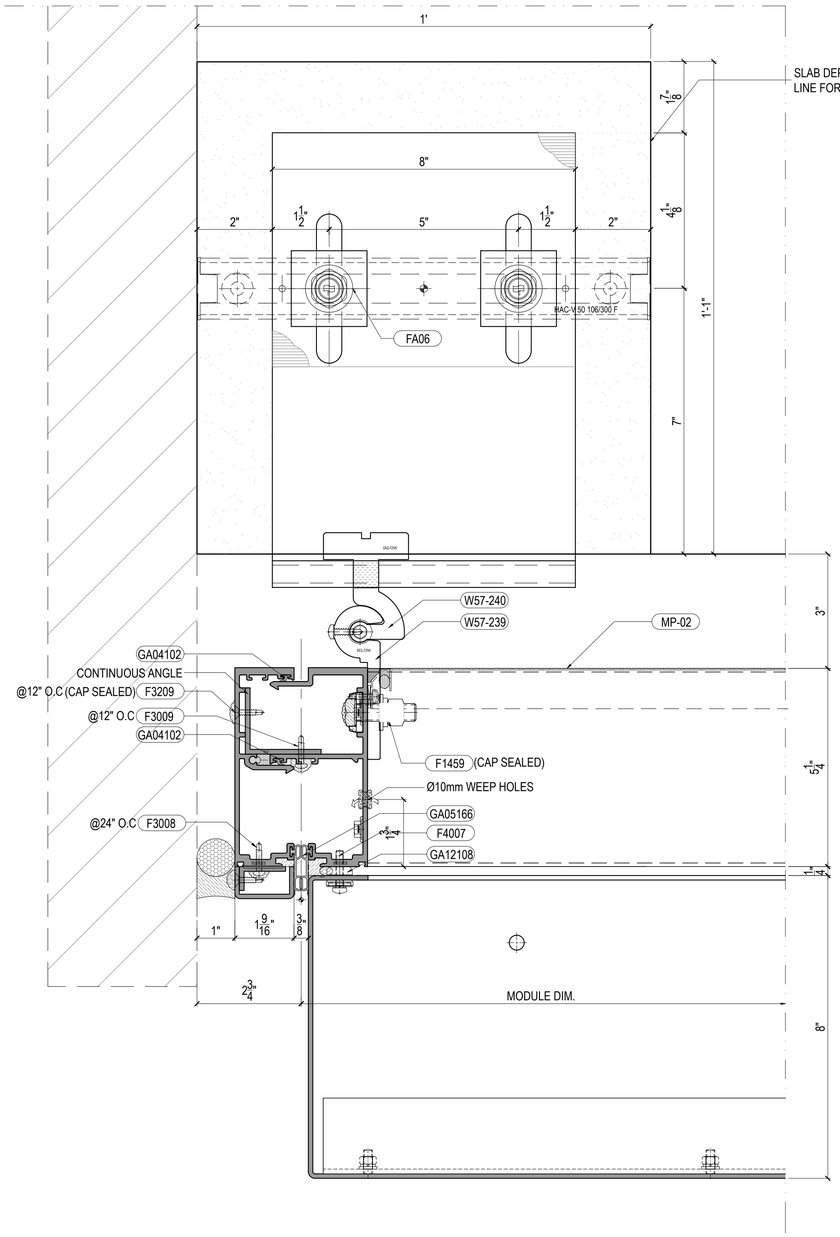
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

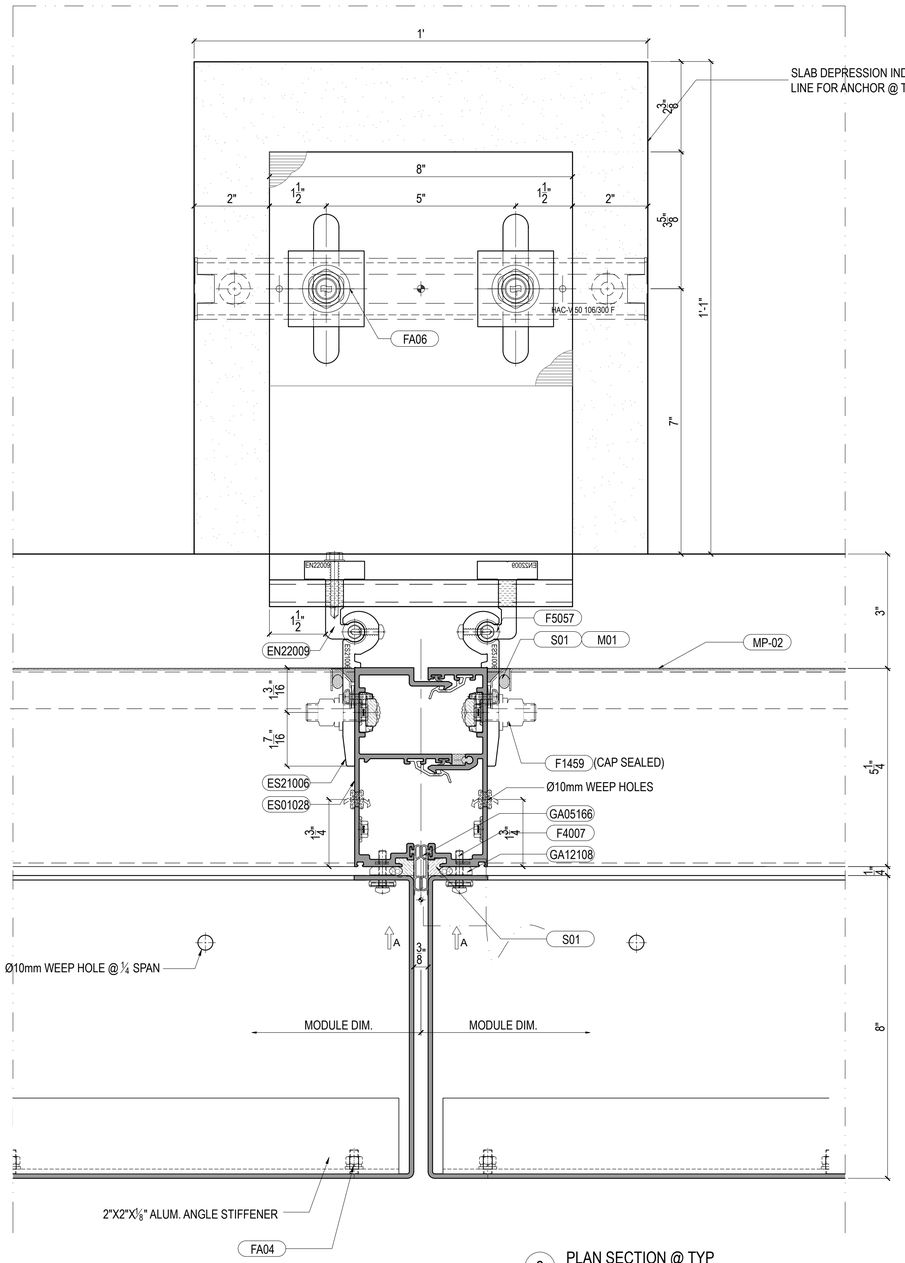
Sheet No.: DT-531C

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

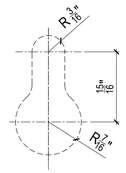
Phase: System Drawing



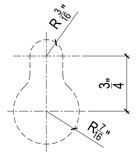
1 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-111



2 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-111



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"

ELICC CW-400 SERIES

FL – #47352

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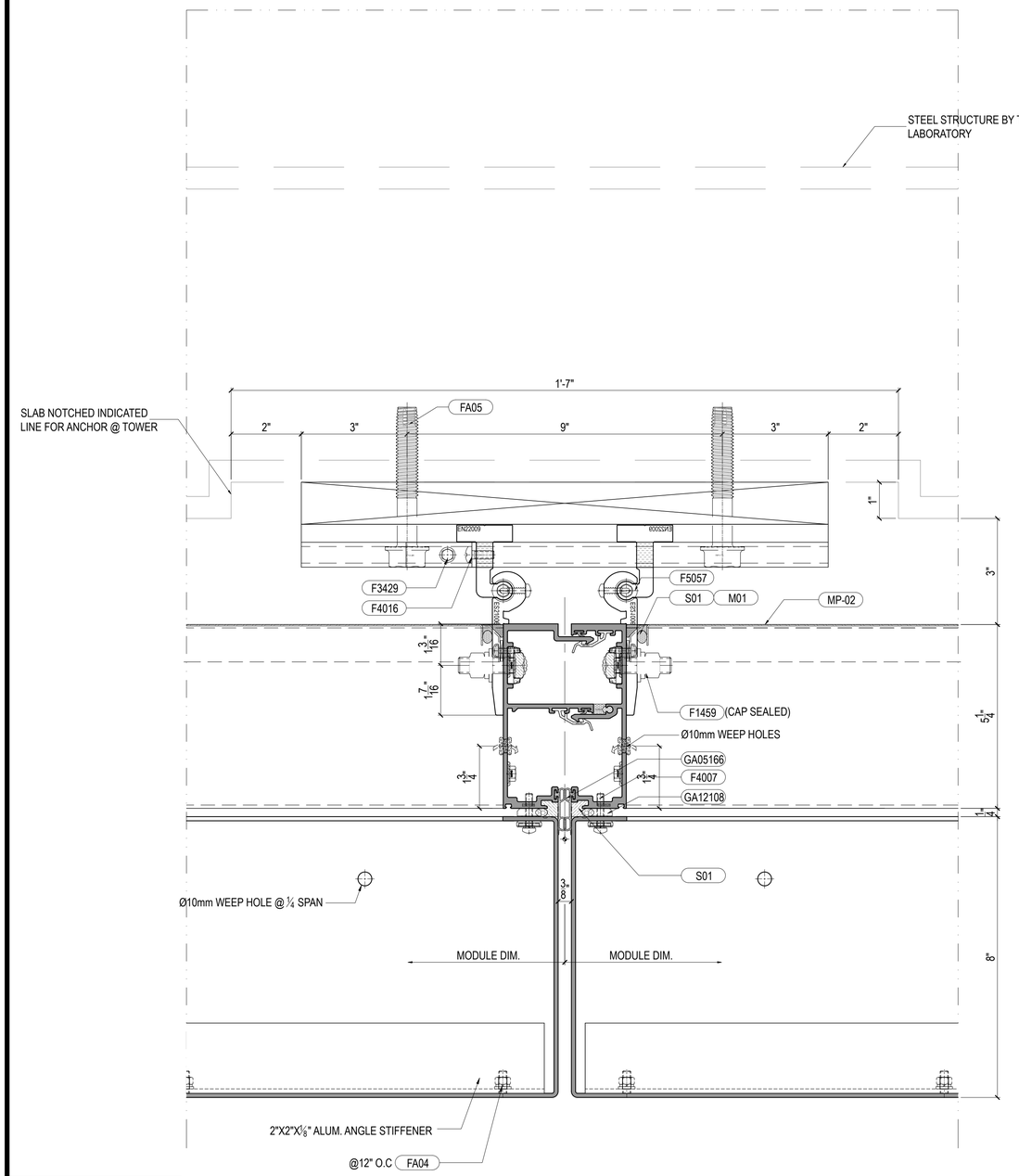
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

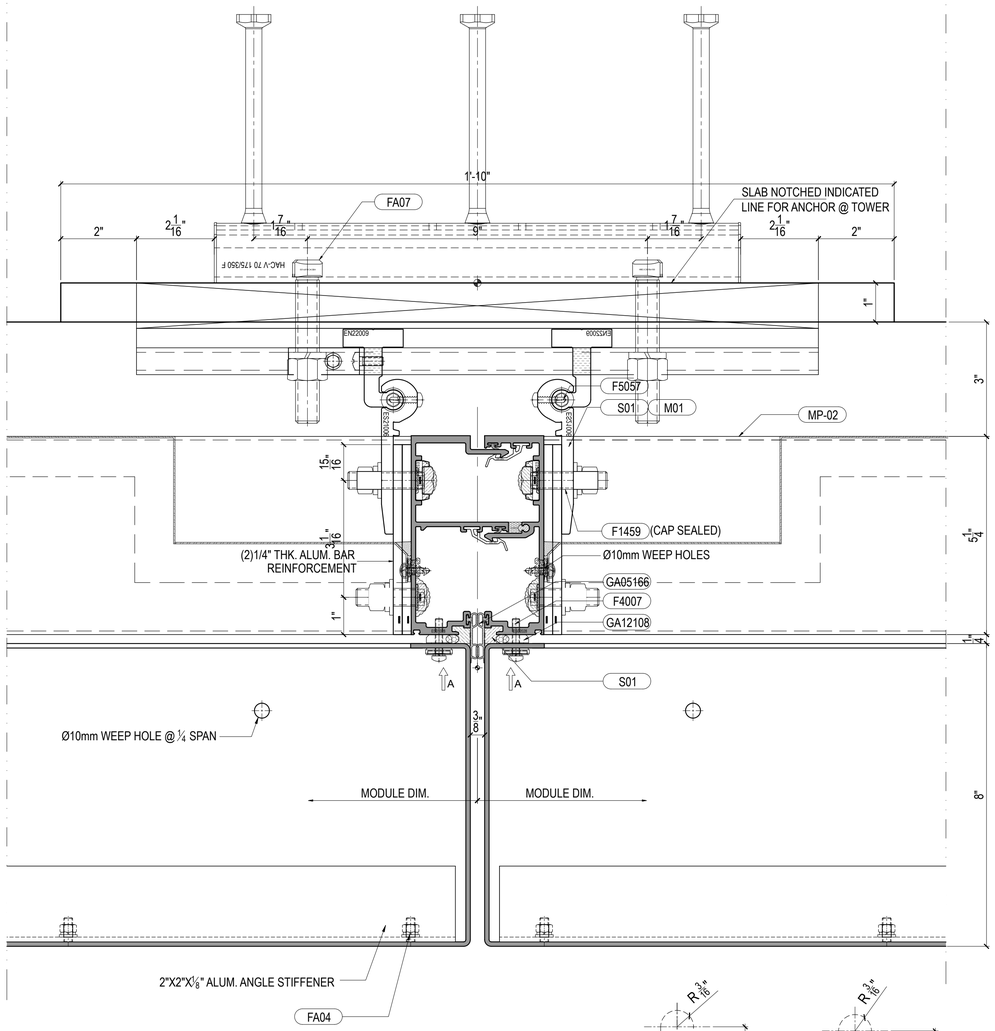
Sheet No.: DT-531D

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

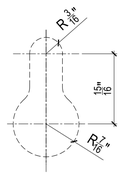
Phase: System Drawing



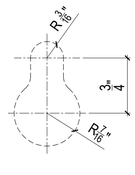
1 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM:PE-110



2 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM: PE-110



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"

ELICC CW-400 SERIES

FL – #47352

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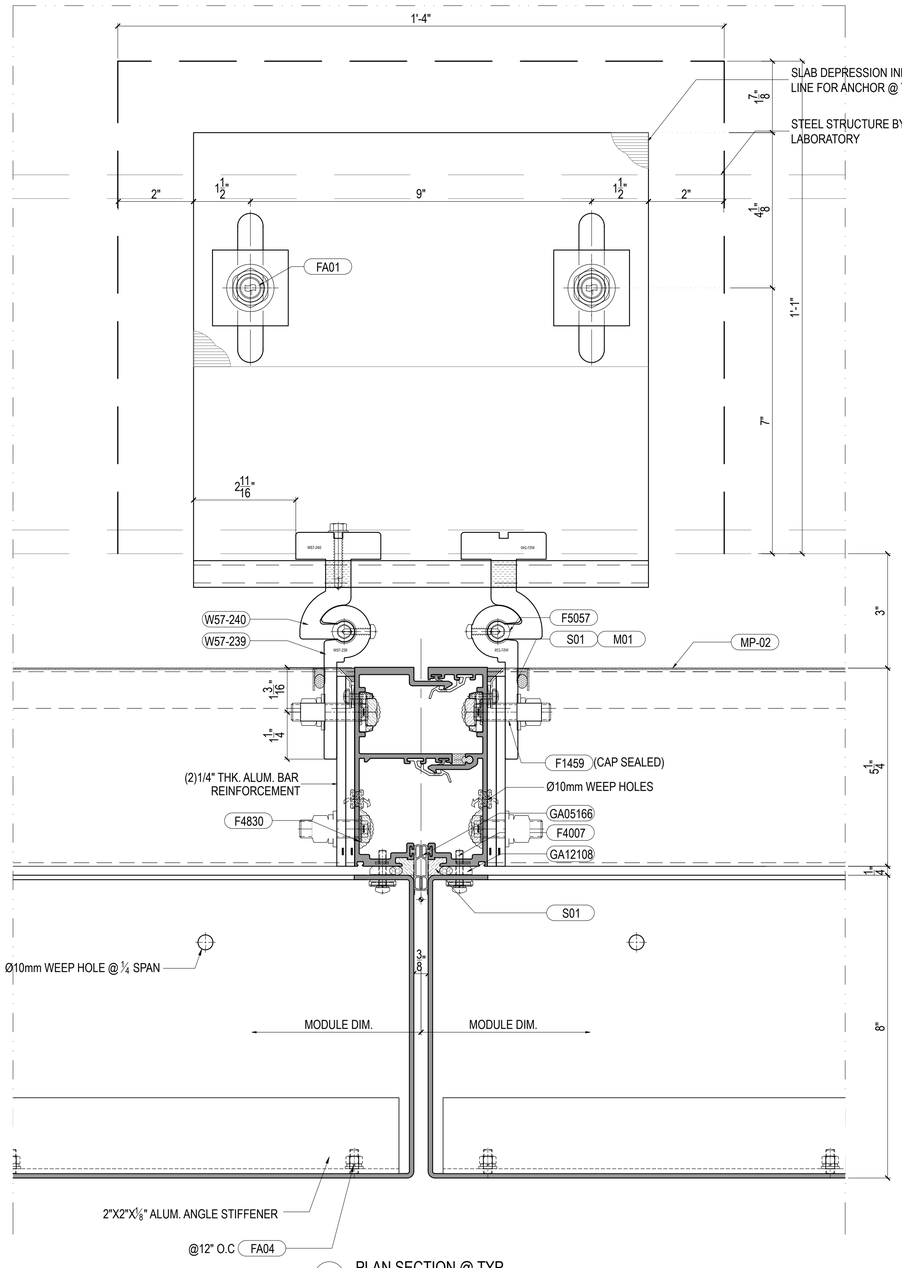
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

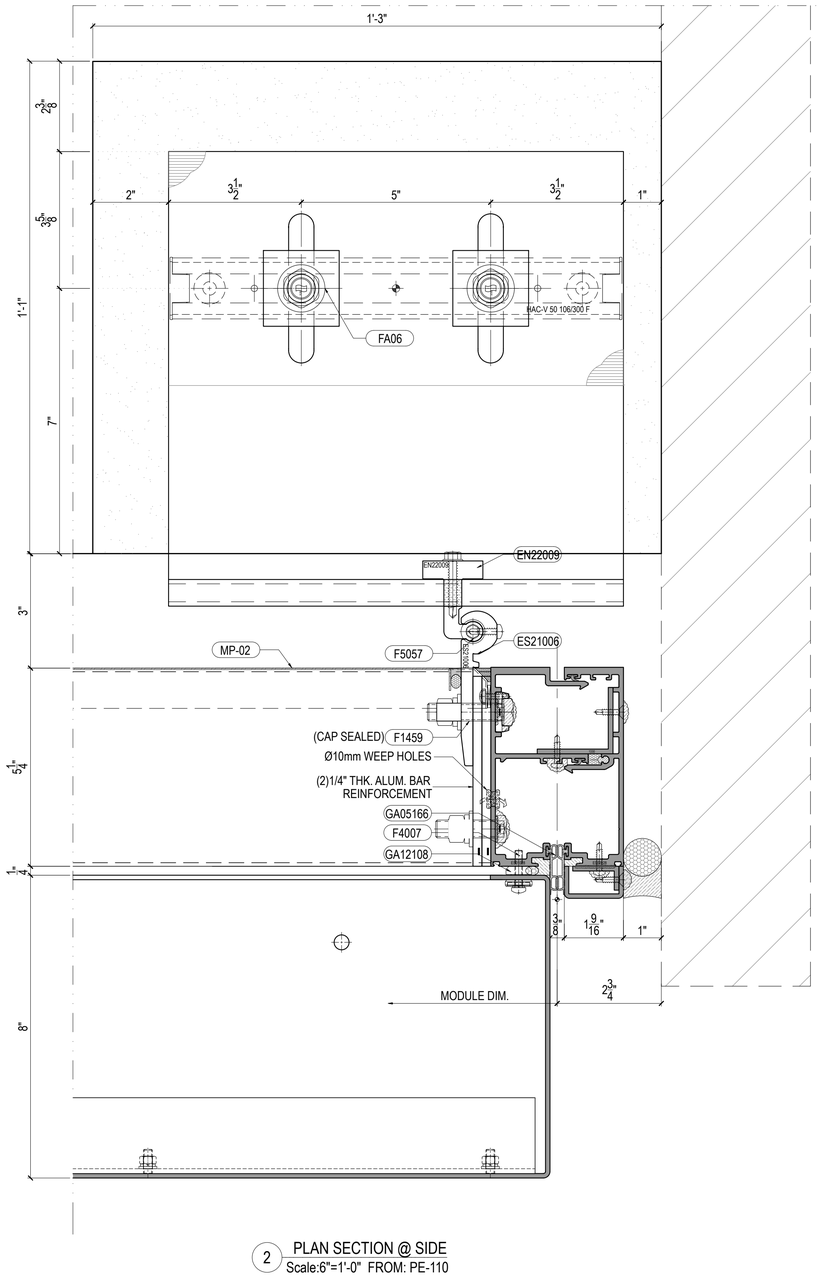
Sheet No.: DT-532

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 PLAN SECTION @ TYP
Scale:6"=1'-0" FROM: PE-110



2 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM: PE-110

ELICC CW-400 SERIES

FL – #47352

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04/08/2025

Job No.:

Key Plan/Elevation:

No.	Date	Description
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Architect:

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Approved By:

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Design Team:

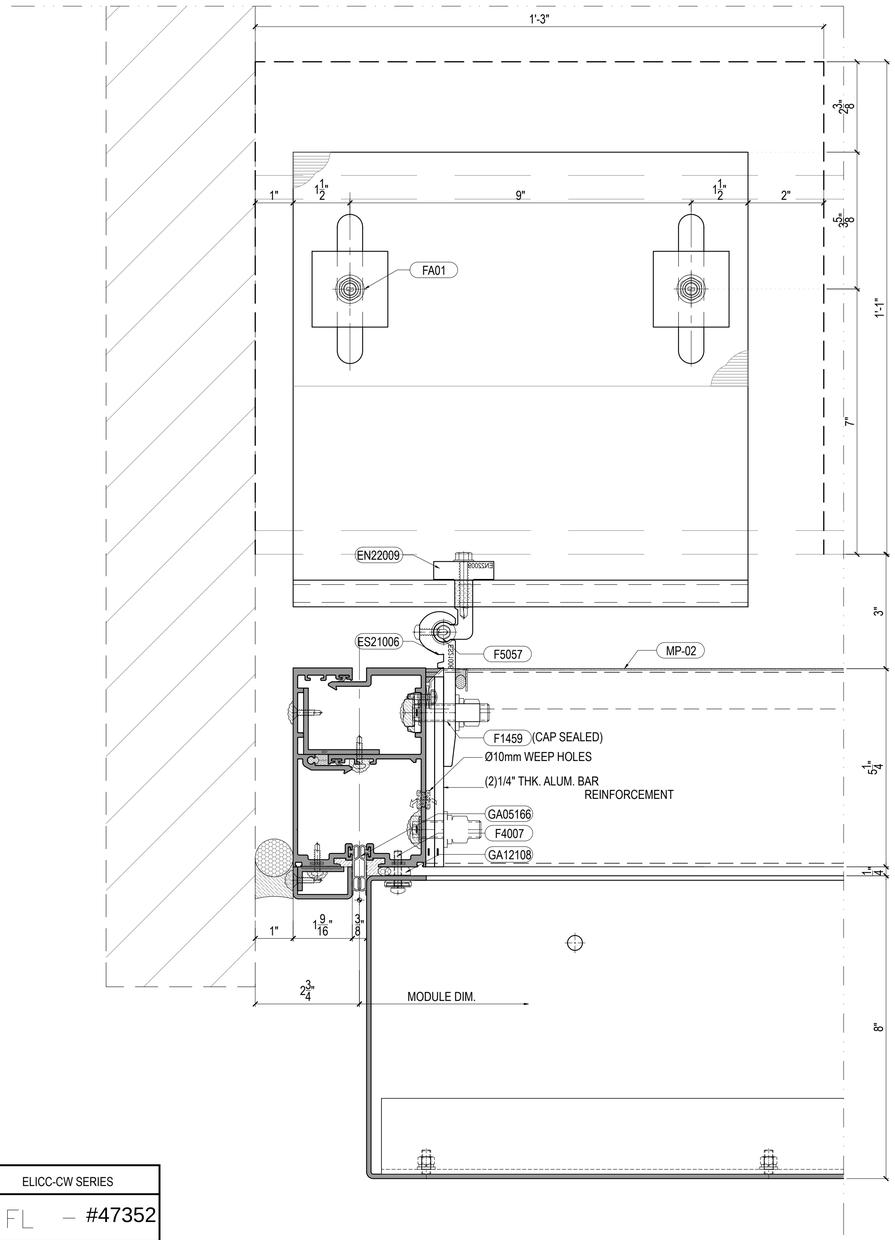
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

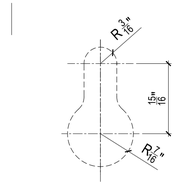
Sheet No.: DT-533

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

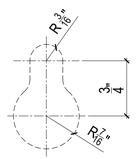
Phase: System Drawing



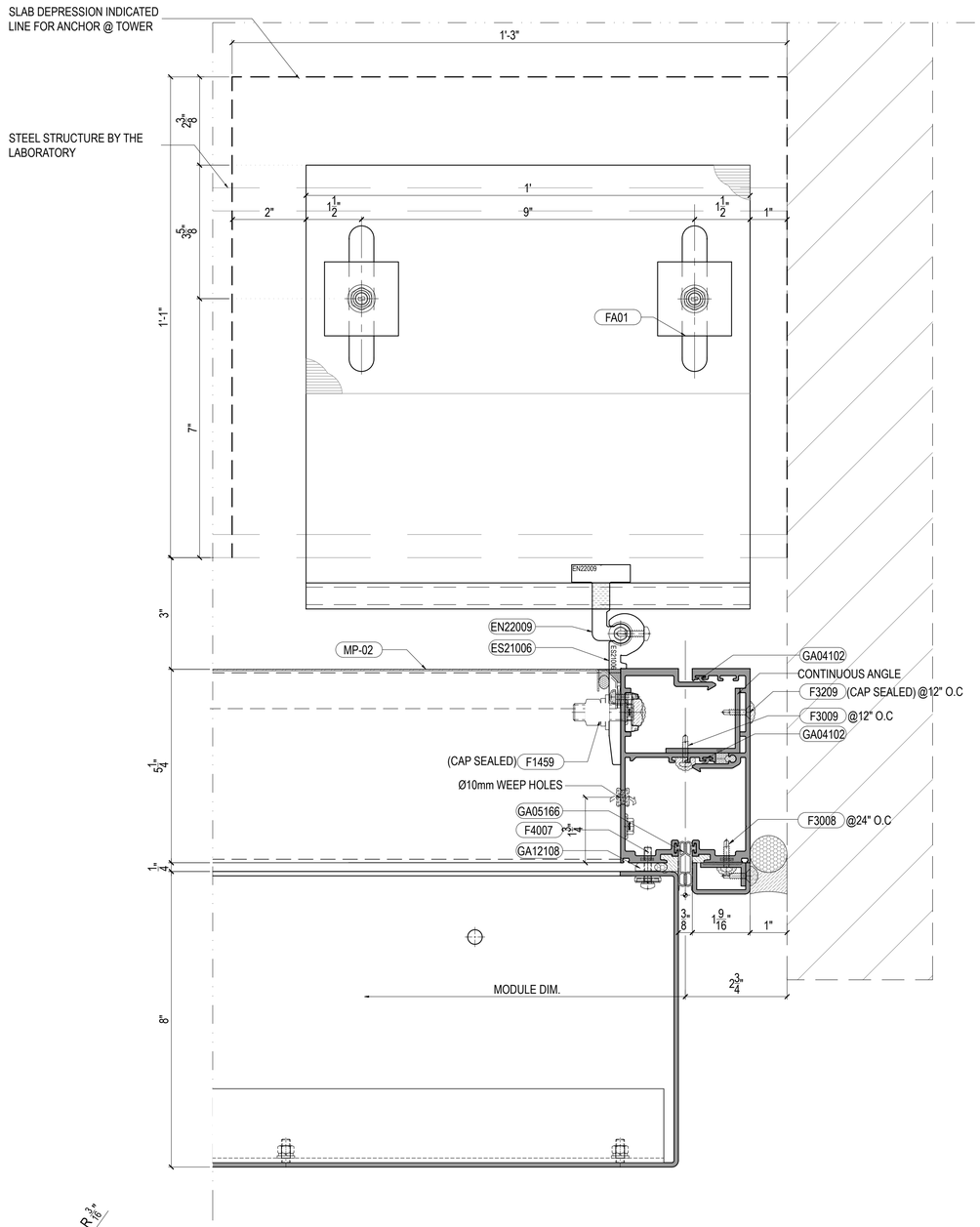
1 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM:PE-110



VIEW-A KEY HOLE FOR W.L.
SCALE 1'-0"=1'-0"



VIEW-A KEY HOLE FOR D.L.
SCALE 1'-0"=1'-0"



2 PLAN SECTION @ SIDE
Scale:6"=1'-0" FROM: PE-110

ELICC-CW SERIES

FL – #47352

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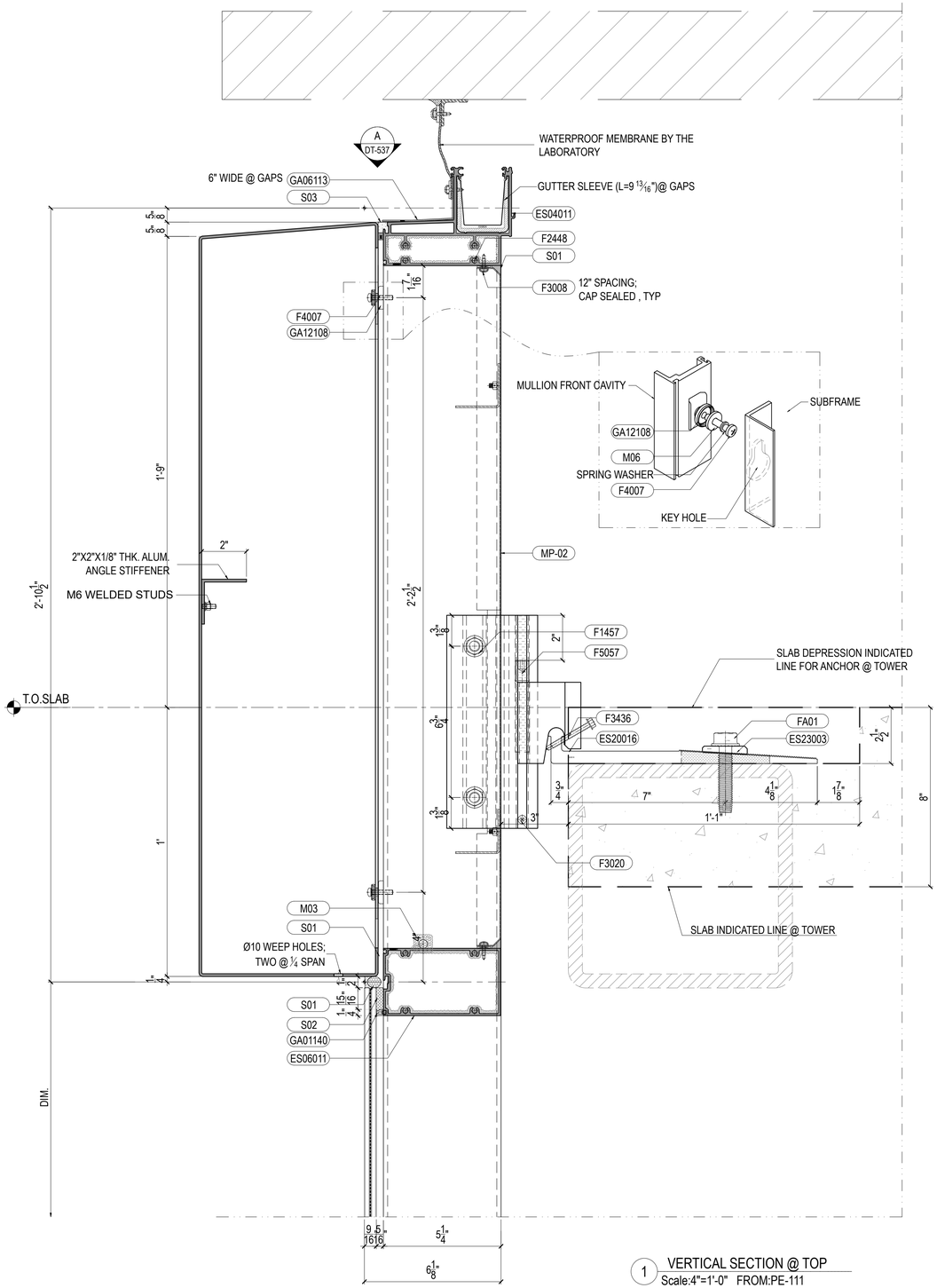
Project:
ELICC CW-400 SERIES

Title:
HORIZONTAL SECTION DETAIL

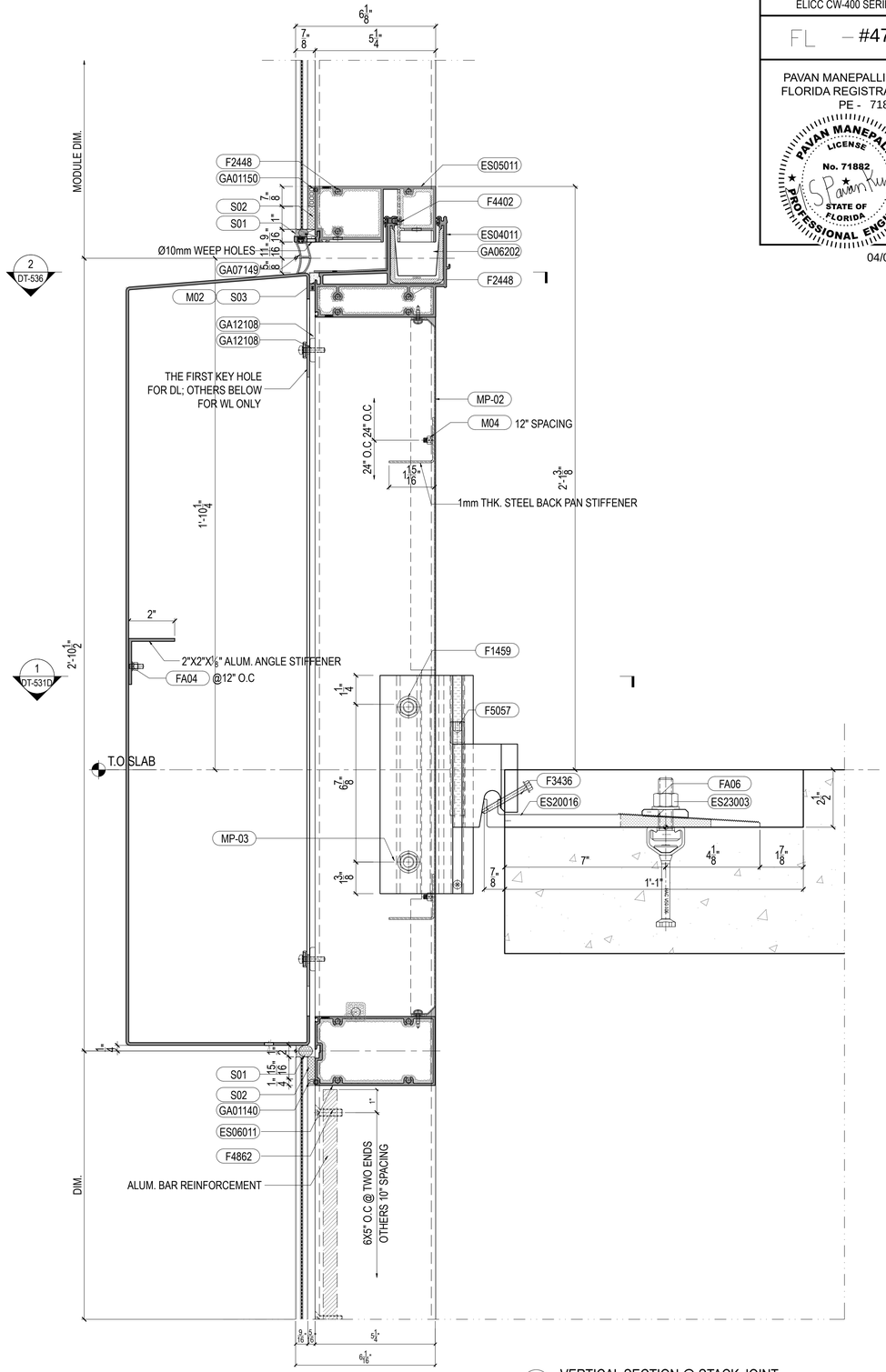
Sheet No.: DT-533B

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM:PE-111



2 VERTICAL SECTION @ STACK JOINT
Scale:4"=1'-0" FROM:PE-111

ELICC CW-400 SERIES

FL – #47352

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Project:
ELICC CW-400 SERIES

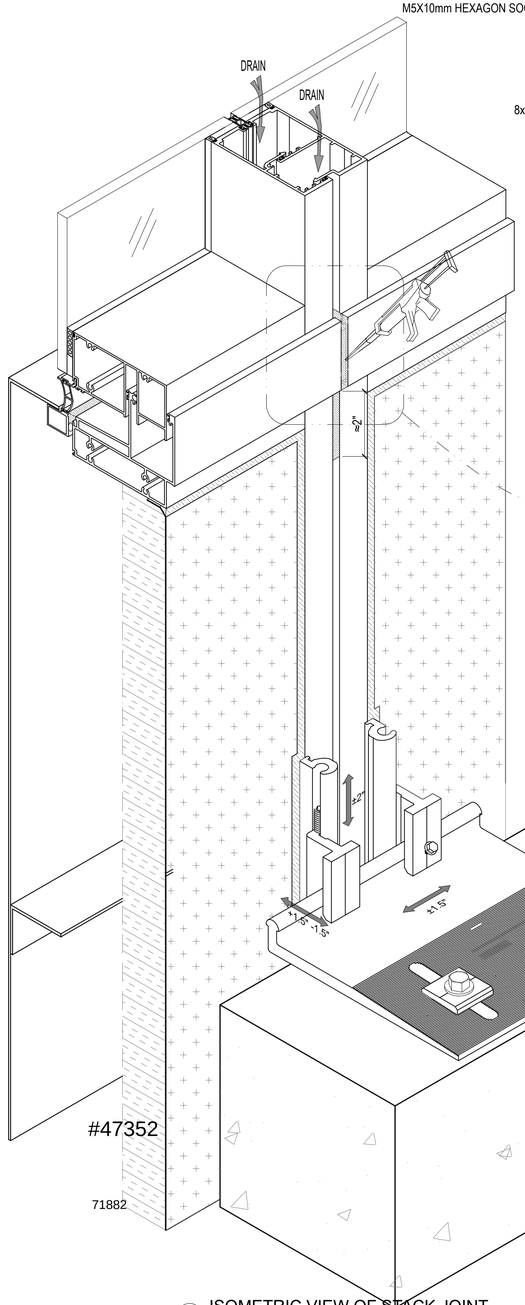
Title:
VERTICAL SECTION DETAIL @ CW SYSTEM

Sheet No.: DT-535

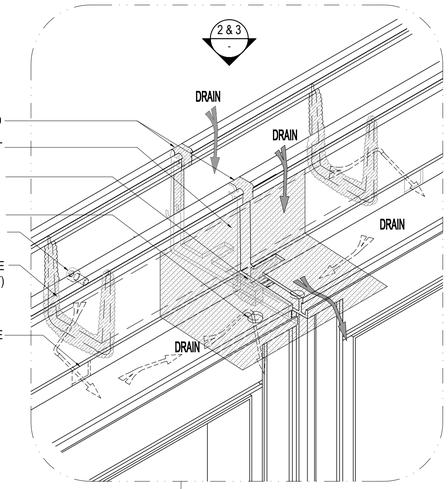
Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

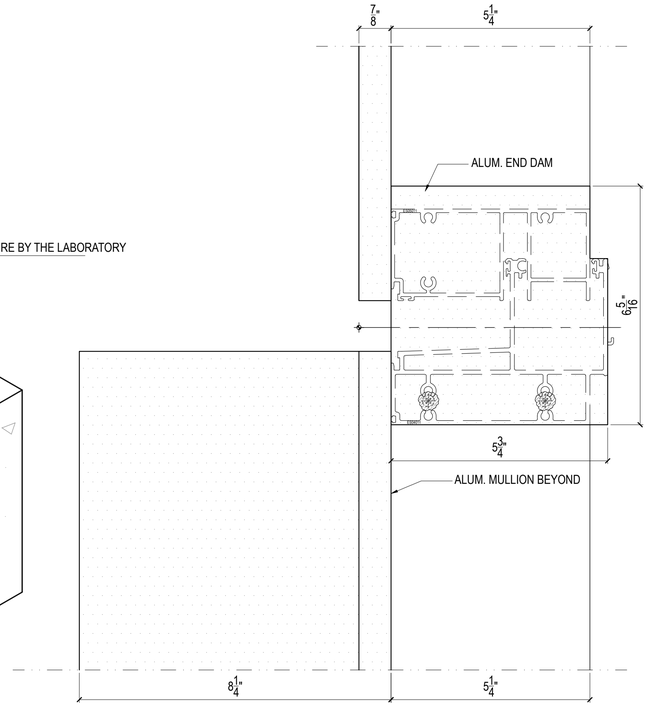
Phase: System Drawing

GUTTER SLEEVE LENGTH	
SPECIMENS	L
SPECIMEN # 11	1'-8"
SPECIMEN # 12	1'-0"

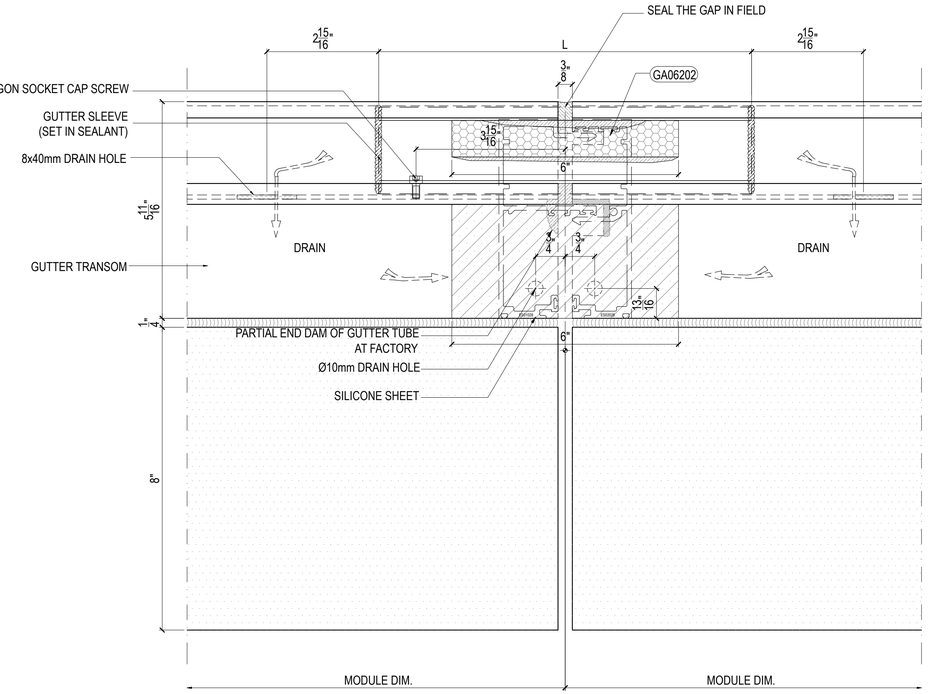


1 ISOMETRIC VIEW OF STACK JOINT
SCALE 6"=1'-0" FROM:DT-531

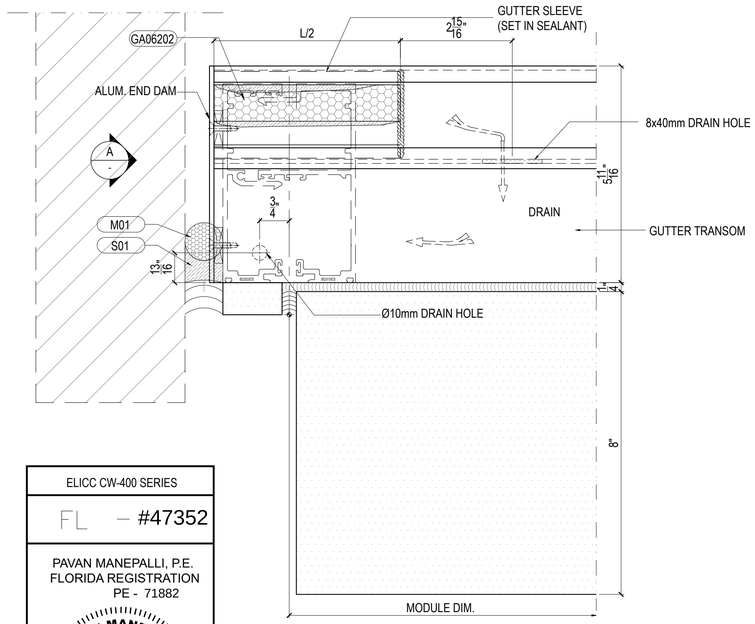




A ELEVATION OF END OF GUTTER TRANSOM
SCALE 6"=1'-0" FROM:



2 PLAN DETAIL OF THE GUTTER TRANSOM @ TYP.
SCALE 6"=1'-0" FROM:PE-110 / PE-111



3 PLAN DETAIL OF THE GUTTER TRANSOM @ SIDE
SCALE 6"=1'-0" FROM:PE-110 / PE-111

ELICC CW-400 SERIES
FL – #47352

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Design Team:

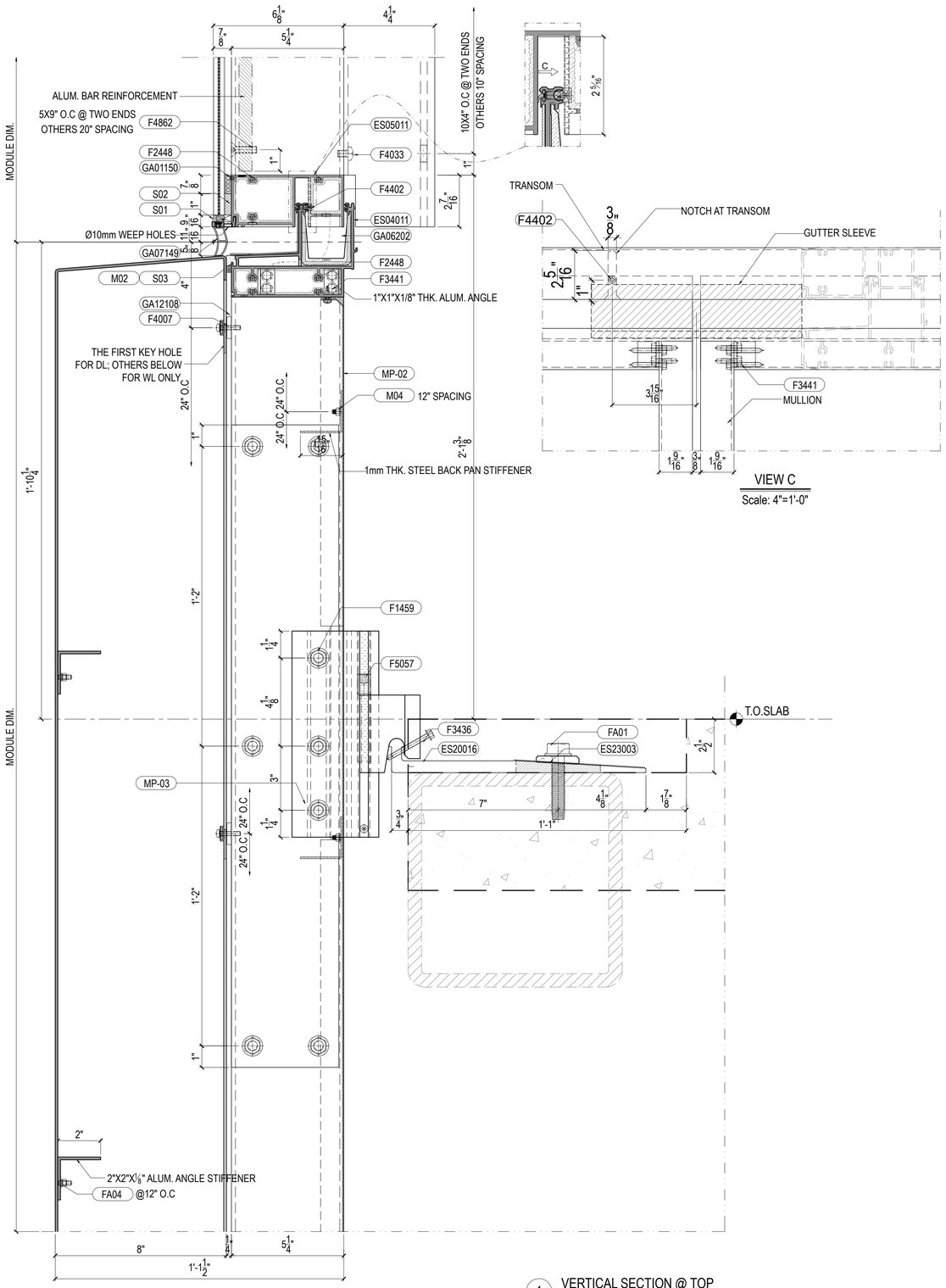
Project:
ELICC CW-400 SERIES

Title:
STACK JOINT DETAIL
@ CW SYSTEM

Sheet No.: DT-536

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: System Drawing



ELICC CW-400 SERIES

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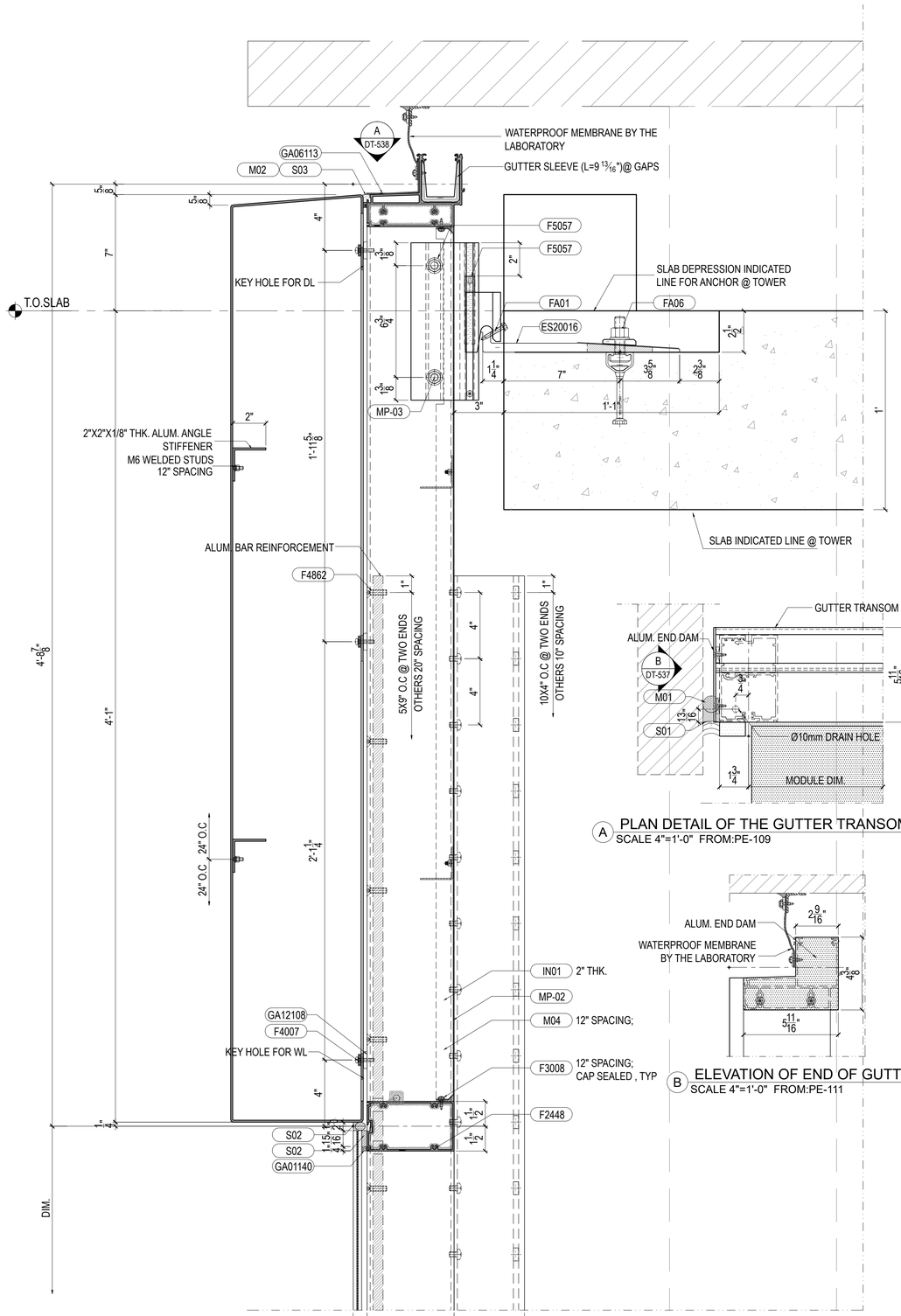
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL
@ CW SYSTEM

Sheet No.: DT-537

Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

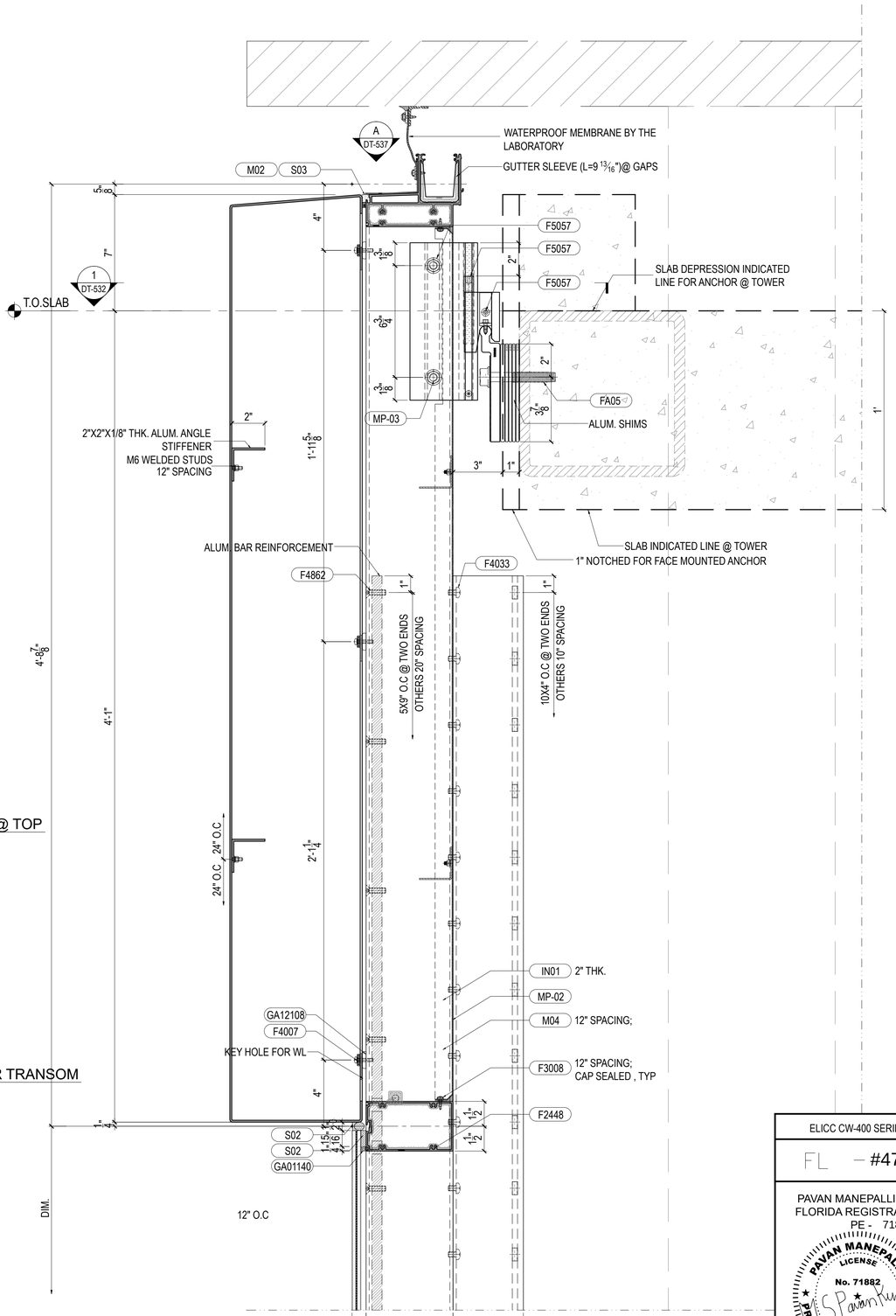
Phase: System Drawing



A PLAN DETAIL OF THE GUTTER TRANSOM @ TOP
SCALE 4"=1'-0" FROM:PE-109

B ELEVATION OF END OF GUTTER TRANSOM
SCALE 4"=1'-0" FROM:PE-111

1 VERTICAL SECTION @ TOP
Scale:3"=1'-0" FROM:PE-110



2 VERTICAL SECTION @ TOP
Scale:3"=1'-0" FROM:PE-110

No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
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Approved By:

Checked By:

Design Team:

Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL @ CW SYSTEM

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

Job No.:

Key Plan/Elevation:

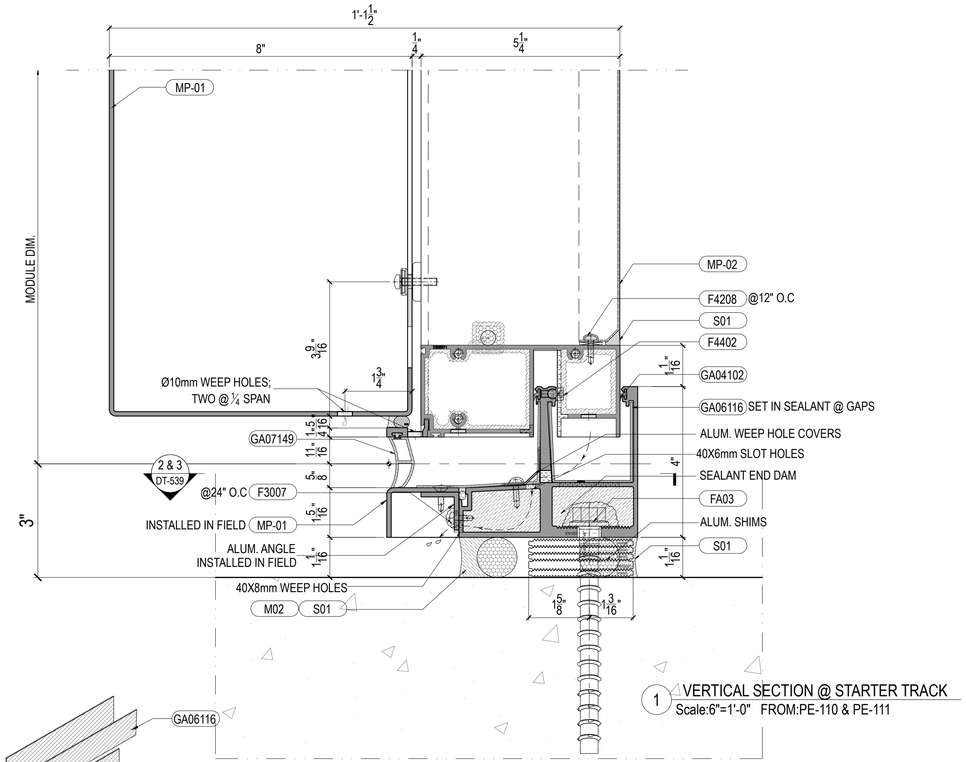
Sheet No.: DT-538

Date: Jan. 25, 2025 | Revision No.: -

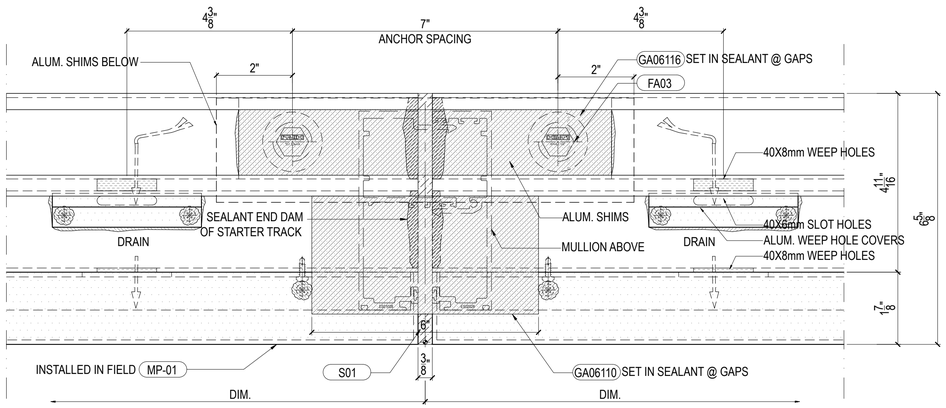
Scale: 3"=1'-0" | Size: 22"x34"

Phase: System Drawing

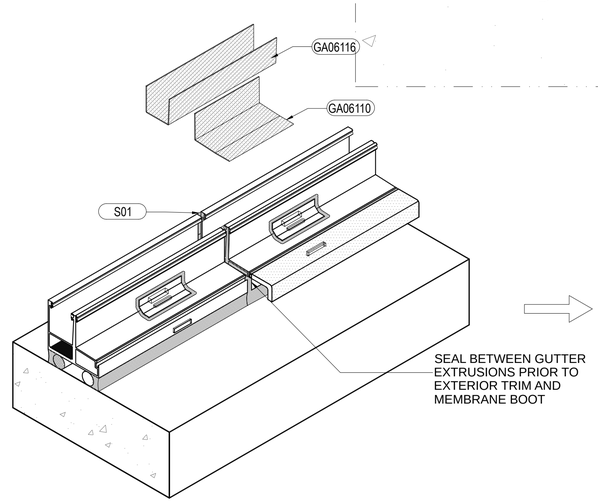
04/08/2025

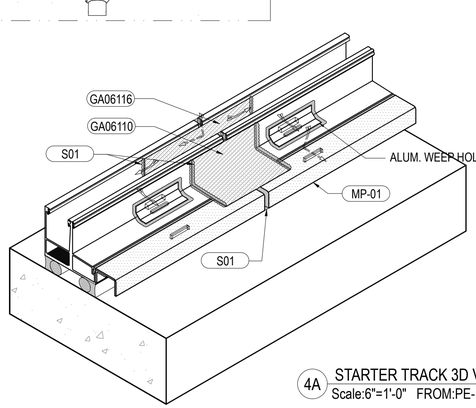


1 VERTICAL SECTION @ STARTER TRACK
Scale:6"=1'-0" FROM:PE-110 & PE-111

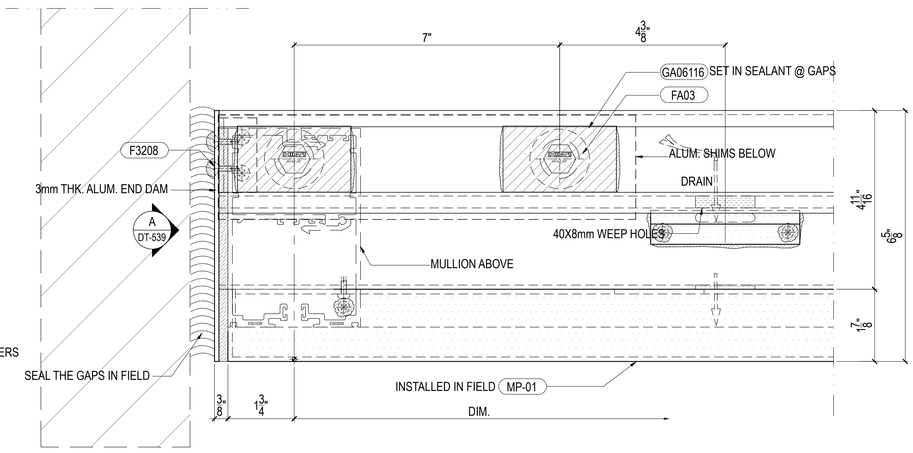


2 PLAN DETAIL @ STARTER TRACK
Scale:6"=1'-0" FROM: PE-111

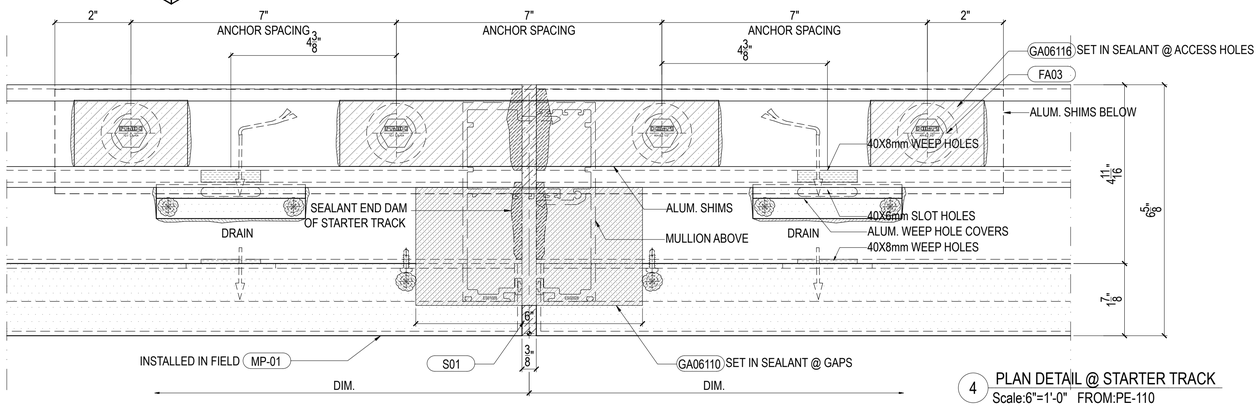




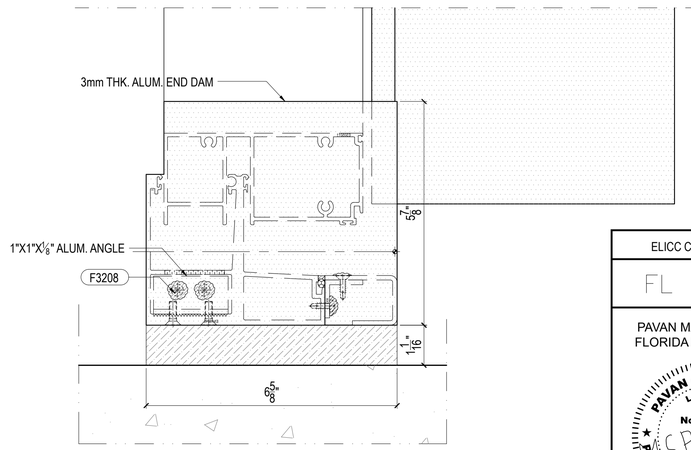
4A STARTER TRACK 3D VIEW
Scale:6"=1'-0" FROM:PE-110



3 PLAN DETAIL @ STARTER TRACK
Scale:6"=1'-0" FROM:PE-110 & PE-111



4 PLAN DETAIL @ STARTER TRACK
Scale:6"=1'-0" FROM:PE-110



VIEW A
Scale: 6"=1'-0"

ELICC CW-400 SERIES

FL – #47352

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Job No.:

Key Plan/Elevation:

No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

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Approved By:

Checked By:

Design Team:

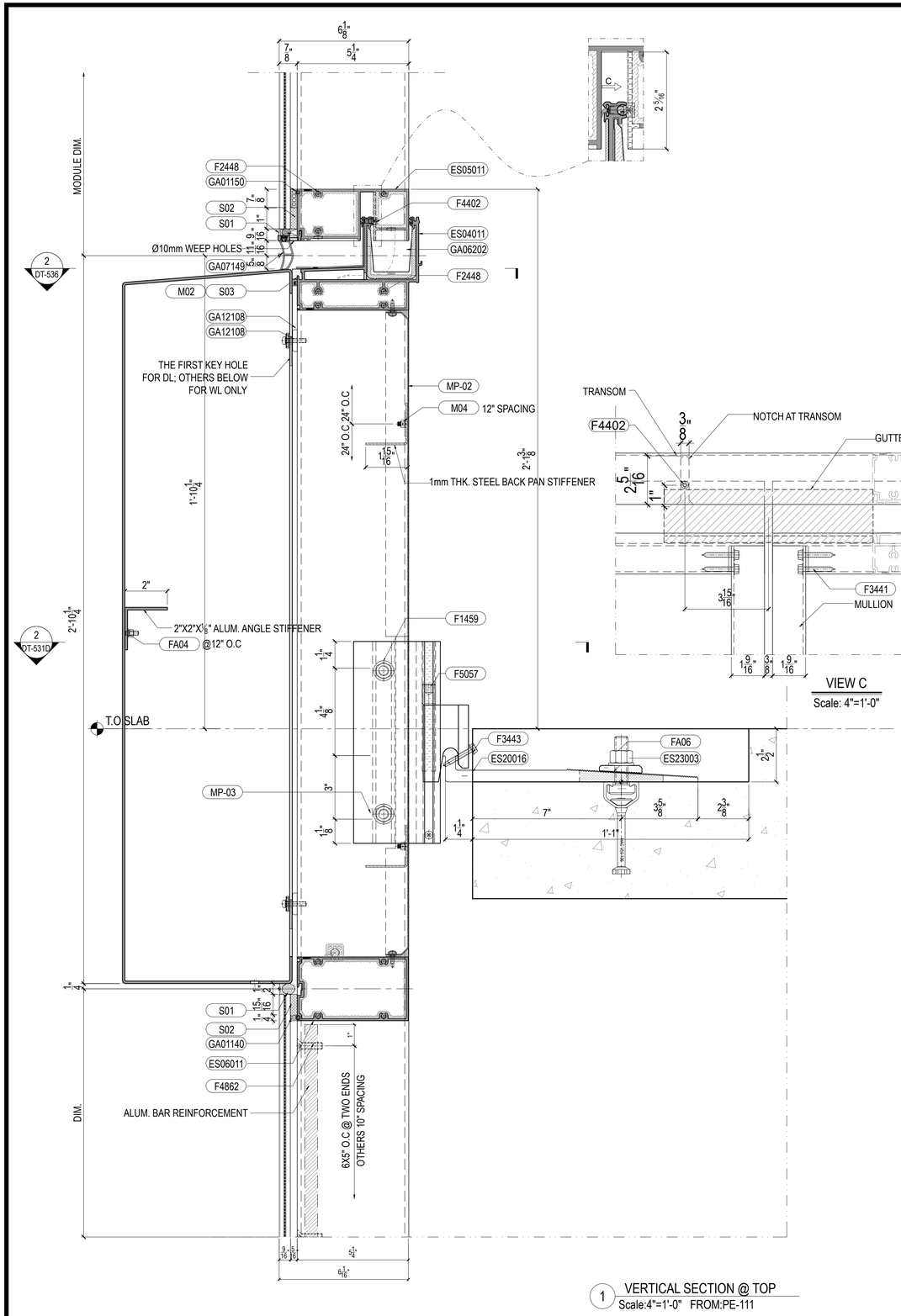
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL @ CW SYSTEM

Sheet No.: DT-539

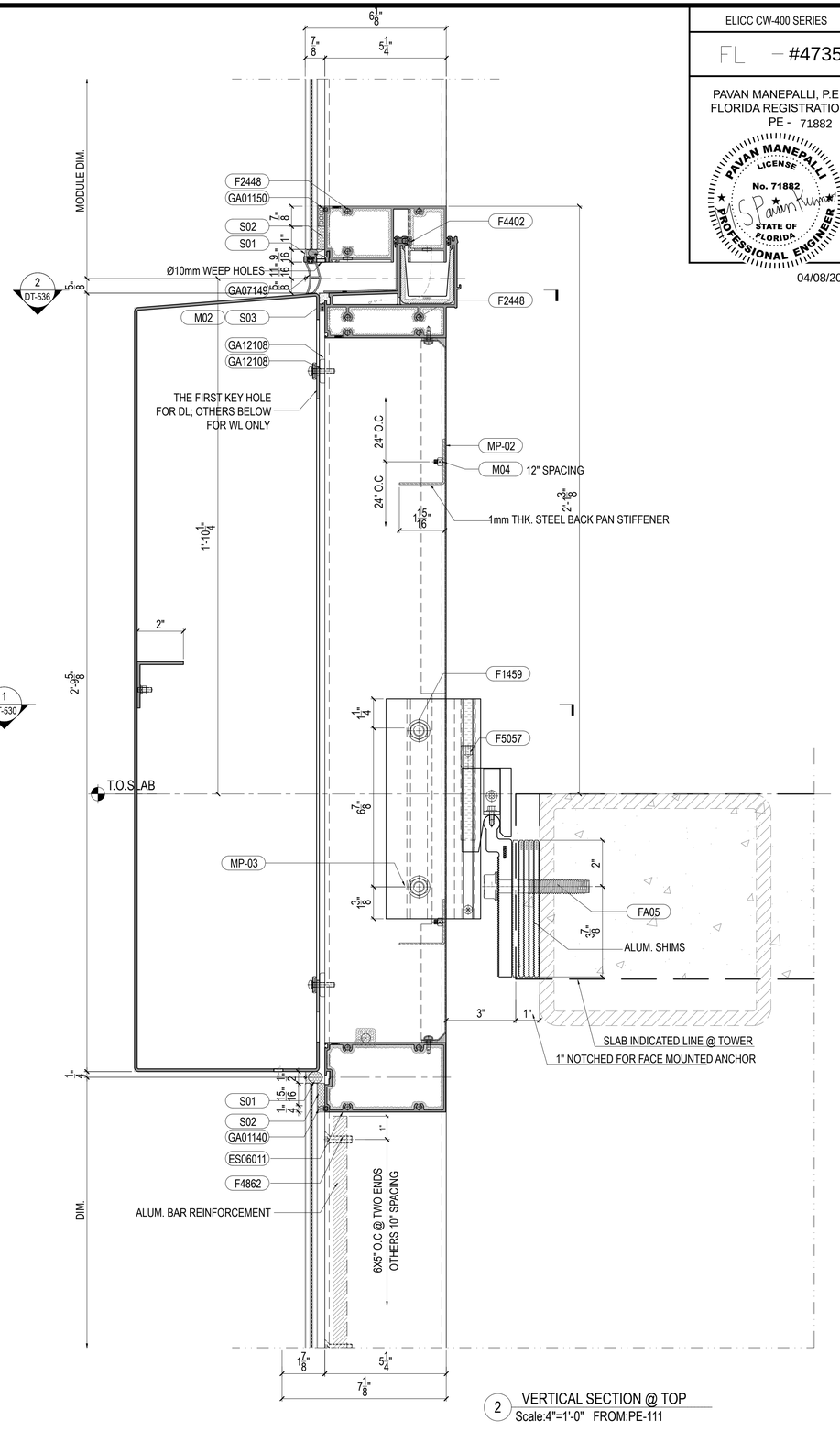
Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM:PE-111

VIEW C
Scale: 4"=1'-0"



2 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM:PE-111

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
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Job No.:

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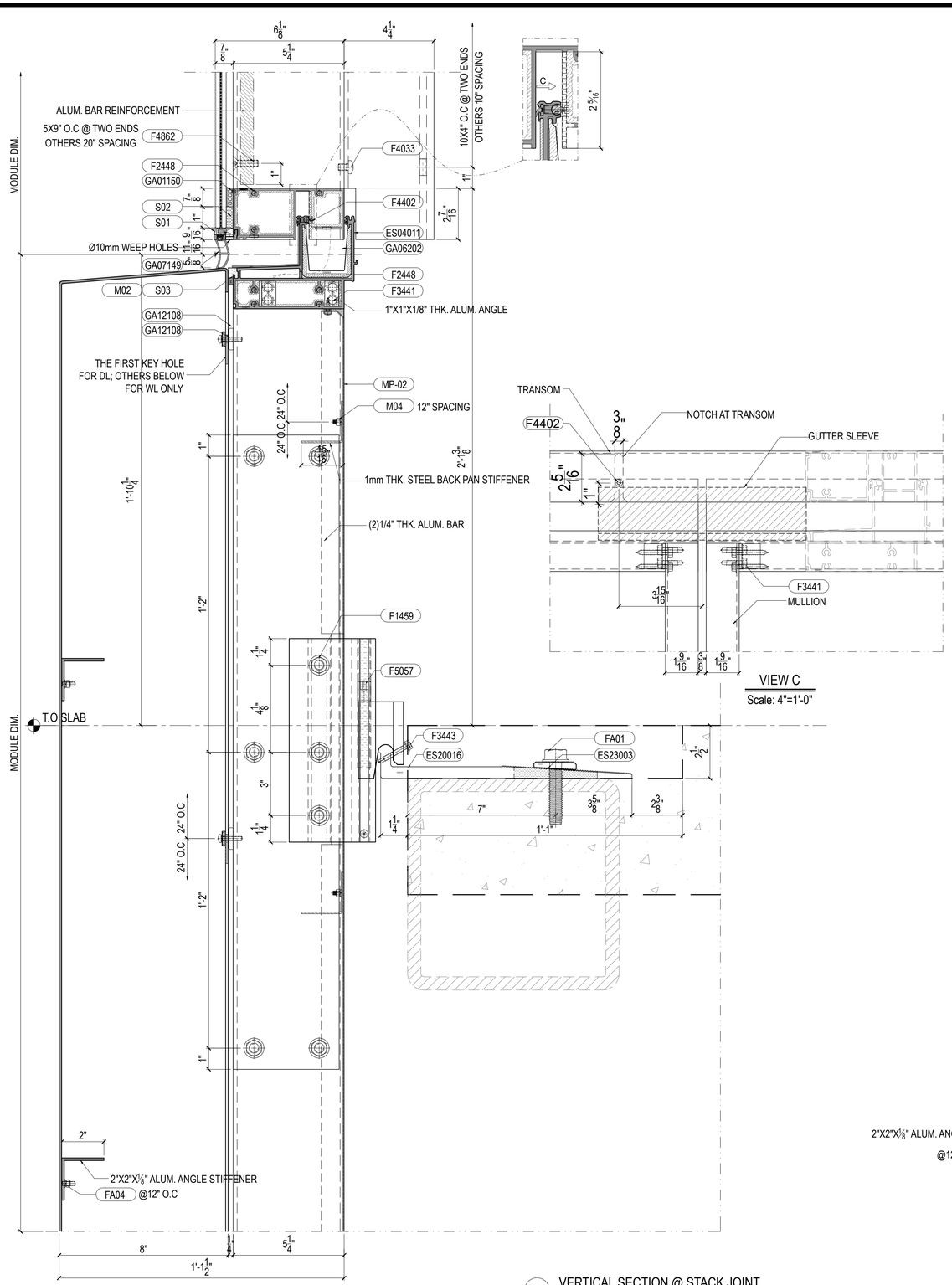
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL @ CW SYSTEM

Sheet No.: DT-541

Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

Phase: System Drawing



ELICC CW-400 SERIES

FL – #47352

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PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Job No.:

Key Plan/Elevation:

No.	Date	Description
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Revisions:

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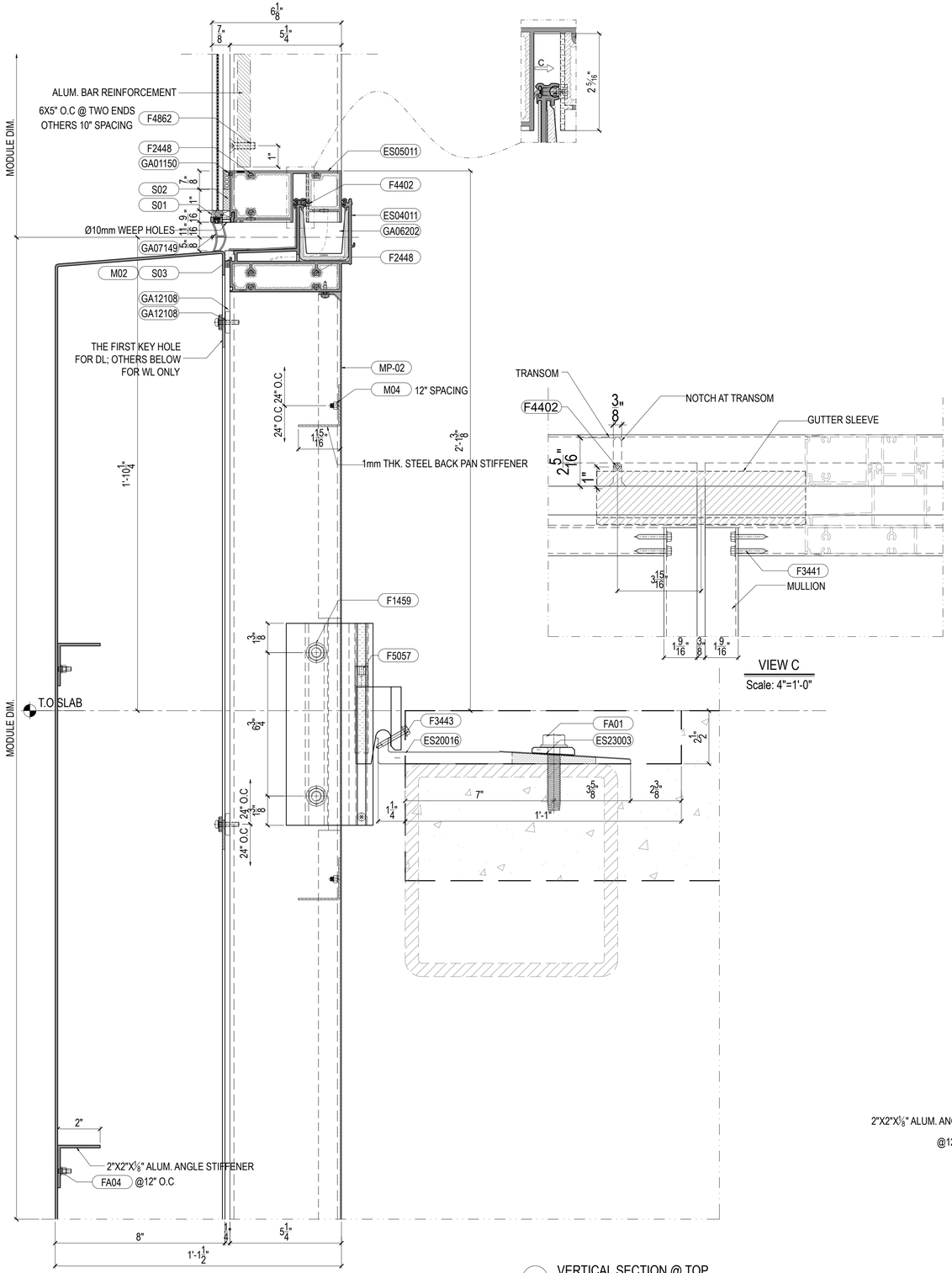
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL
@ CW SYSTEM

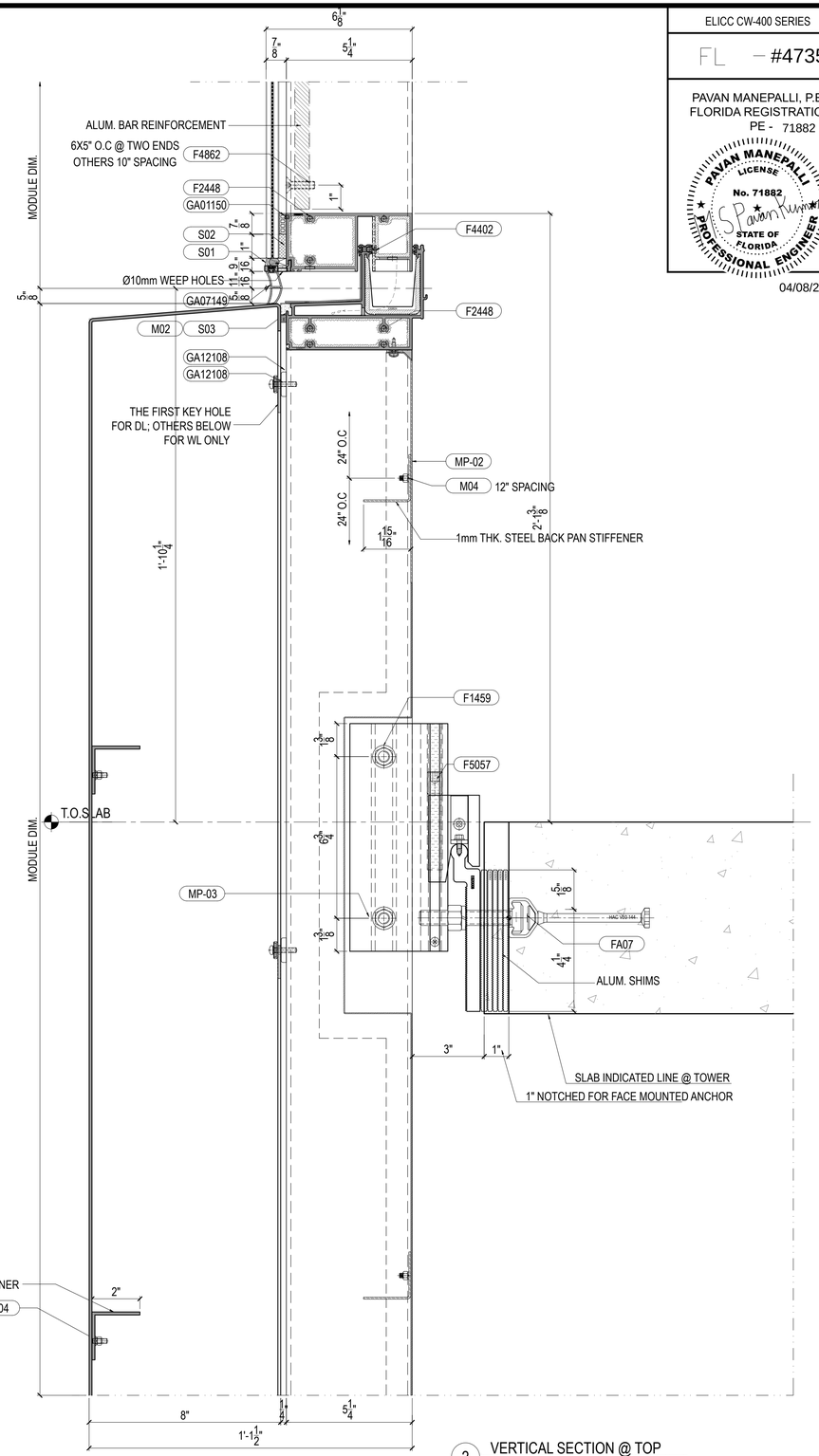
Sheet No.: DT-541A

Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM: PE-111



2 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM: PE-111

ELICC CW-400 SERIES

FL – #47352

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FLORIDA REGISTRATION
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Job No.:

Key Plan/Elevation:

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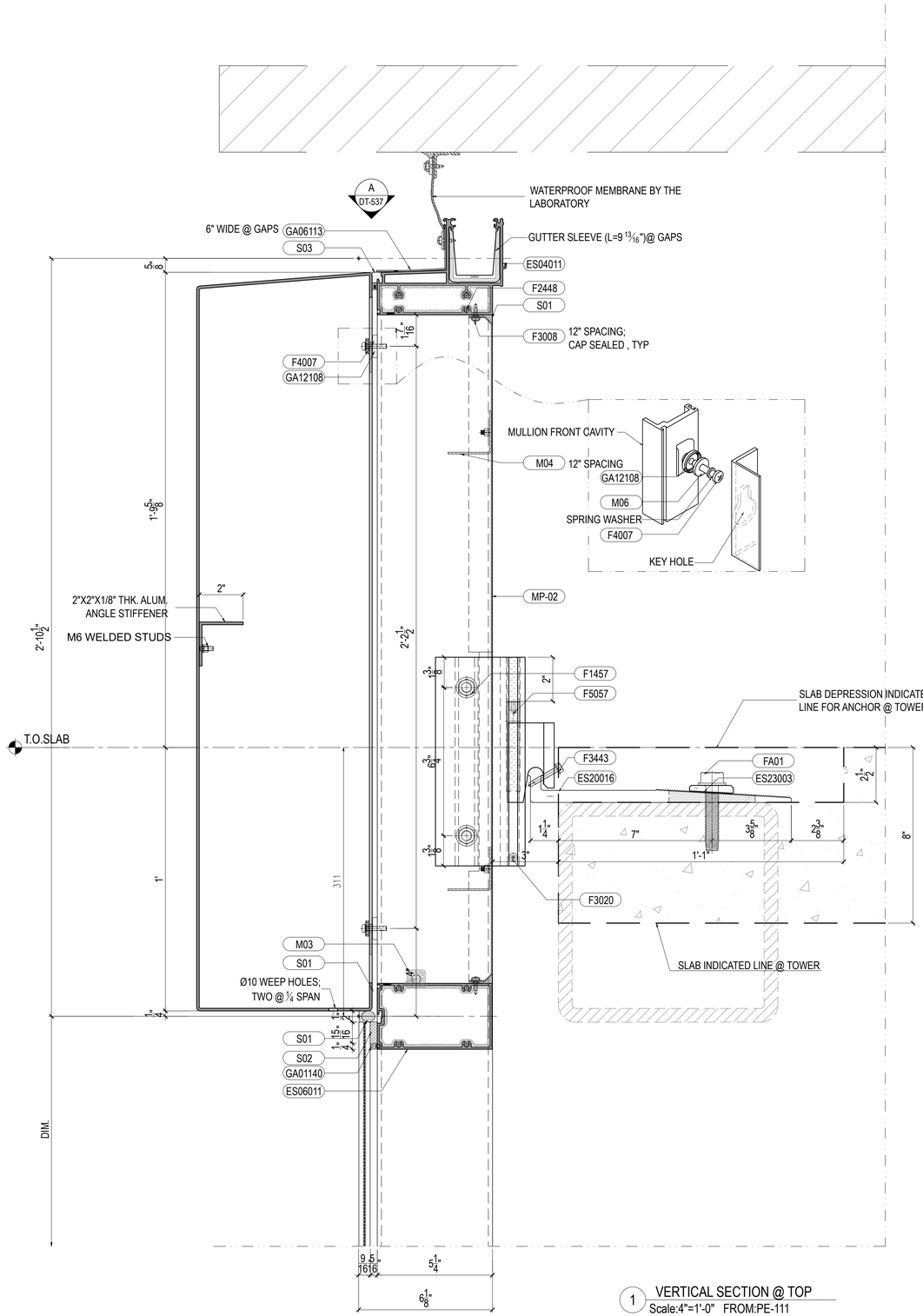
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL
@ CW SYSTEM

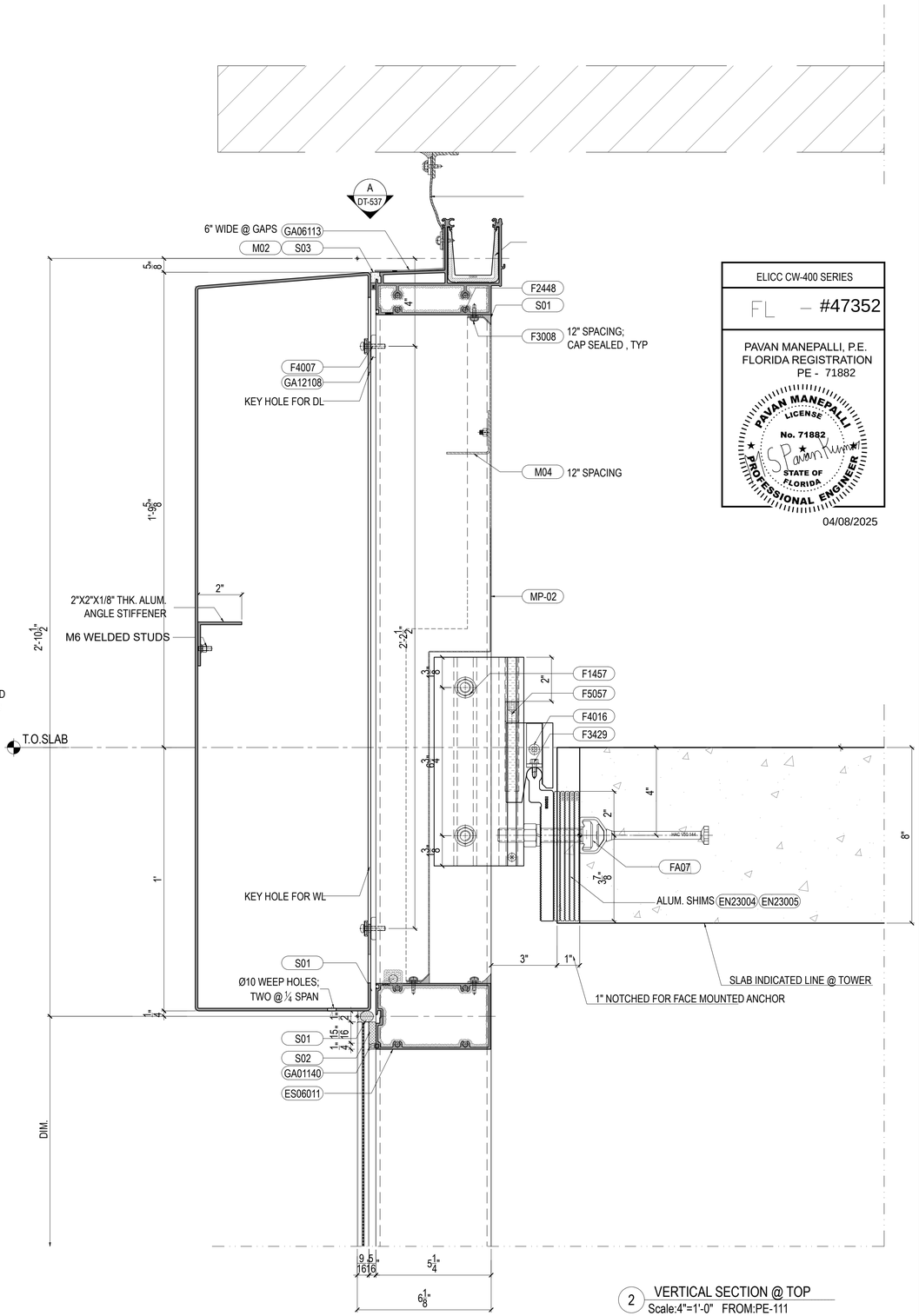
Sheet No.: DT-541B

Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM:PE-111



2 VERTICAL SECTION @ TOP
Scale:4"=1'-0" FROM:PE-111

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
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Job No.:

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No.	Date	Description
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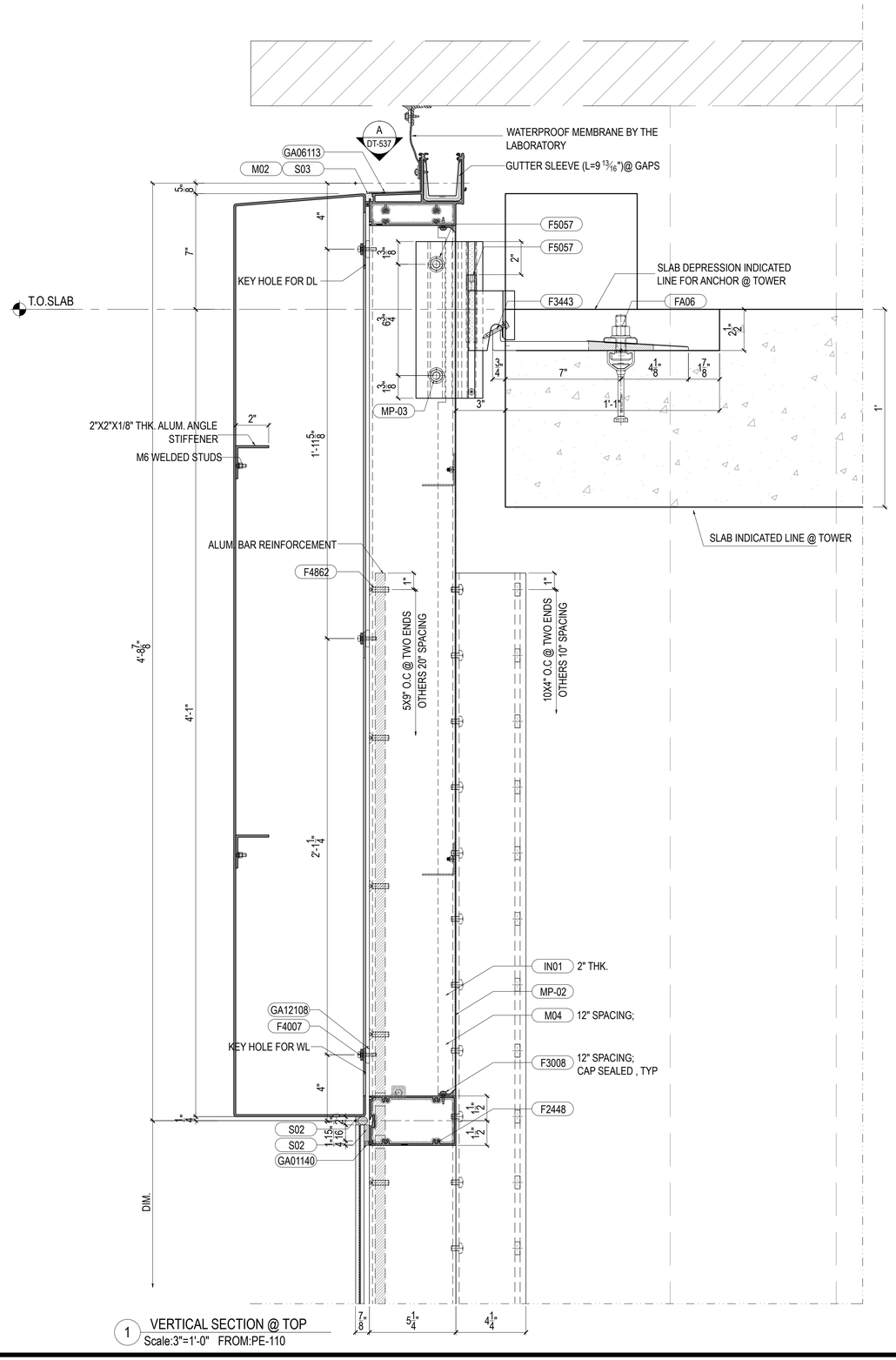
Project:
ELICC CW-400 SERIES

Title:
VERTICAL SECTION DETAIL @ CW SYSTEM

Sheet No.: DT-542

Date: Jan. 25, 2025	Revision No.: -
Scale: 4"=1'-0"	Size: 22"x34"

Phase: System Drawing



1 VERTICAL SECTION @ TOP
Scale:3"=1'-0" FROM:PE-110

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Key Plan/Elevation:

No.	Date	Description
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Tel: (760)-233-0066
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Approved By:

Checked By:

Design Team:

Project:
ELICC CW-400 SERIES

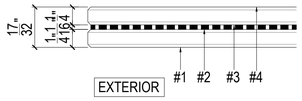
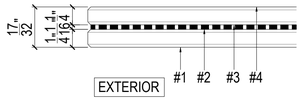
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VERTICAL SECTION DETAIL @ CW SYSTEM

Sheet No.: DT-543

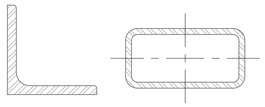
Date: Jan. 25, 2025	Revision No.: -
Scale: 3"=1'-0"	Size: 22"x34"

Phase: System Drawing

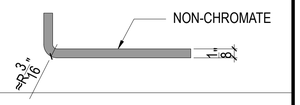
1.MATERIAL LIST OF GLASS

LEGEND NUMBER	MATERIAL	SECTION
GL-105A	GL-105A: VISION GLASS L-105A: FT 6MM CLEAR + 1.52MM PVB + FT 6MM CLEAR LAMINATED GLASS	
GL-105B	GL-105B: VISION GLASS GL-105B: HS 6MM CLEAR + 1.52MM PVB + HS 6MM CLEAR LAMINATED GLASS	

2.MATERIAL LIST OF STEEL

SL01	STEEL HOLLOW FINISH:HOT-DIP GALVANIZED COATING GRADE COMPLY WITH ASTM A123	
SL02	STEEL PLATE FINISH:HOT-DIP GALVANIZED COATING GRADE COMPLY WITH ASTM A123	
SL03	STAINLESS STEEL MATERIAL: 316	

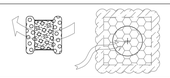
3.MATERIAL LIST OF METAL PANEL

LEGEND NUMBER	MATERIAL DESCRIPTION	SECTION
MP-01	1/8" (3mm) THICK ALUMINUM PANEL ALLOY: 3003-H14 FINISH: NON-CHROMATE COLOR: -	
MP-02	0.039" (1.0mm) THICK STEEL SHEET FINISH: HOT-DIP GALVANIZED COATING THICKNESS: TOTAL BOTH SIDES 80g/m² (COMPLY WITH ASTM A 653/A 653M, G30)	

4.SEALANT MATERIAL LIST

S01	WEATHER SEALANT BRAND: DOW TYPE: DOWSILL 791 COLOR: BLACK	
S02	STRUCTURAL SEALANT BRAND: DOW TYPE: DOWSILL 983 COLOR: BLACK	
S03	STRUCTURAL SEALANT BRAND: DOW TYPE: DOWSILL 795 COLOR: BLACK	

5.MISCELLANEOUS MATERIAL LIST

M01	BI-CELLUAR BACKER ROD	
M02	DOUBLE-SIDED ADHESIVE TAPE	
M03	OPEN CELL WEEP BAFFLE	
M05	SILICONE PLUG (BED SEALED)	
M06	2mm THK. S.S 316 FLAT WASHER(FOR THE GA12108)	

Job No.:

Key Plan/Elevation:



No.	Date	Description
-	-	-

Revisions:

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Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
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Approved By:

Checked By:

Design Team:

Project:
ELICC CW-400 SERIES

Title:
MATERIAL LIST
GLASS \ STEEL & METAL PANEL

Sheet No.: ML-036

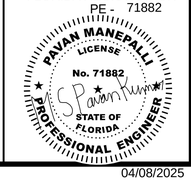
Date: Jan. 25, 2025	Revision No.: -
Scale: 1'-0"=1'-0"	Size: 22"x34"

Phase: System Drawing

ELICC CW-400 SERIES

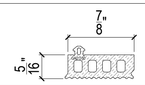
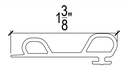
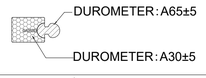
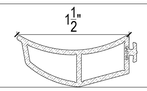
FL – #47352

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FLORIDA REGISTRATION
PE - 71882



04/08/2025

4.MATERIAL LIST OF GASKET AND THERMAL BREAK AND SETTING-BLOCK

TAG	DIAGRAM	SCALE	DIE NO.	MATERIAL/COLOR/DUROMETER
GA01140		1:1	GA01140	SILICONE (BLACK)A65°±5°
GA01144		1:1	GA01144	SILICONE (BLACK)A65°±5°
GA01150		1:1	GA01150	SILICONE (BLACK)A65°±5°
GA04102		1:1	GA04102	SILICONE (BLACK)A65°±5°
GA05166		1:1	GA05166	SILICONE (BLACK)A65°±5°
GA05203		1:1	GA05203	SILICONE (BLACK)
GA07149		1:1	GA07149	SILICONE (BLACK)A65°±5°
GA06116		1:3	GA06116	SILICONE (TRANSLUCENT)A65°±5°
GA06110		1:2	GA06110	SILICONE (BLACK)A65°±5°
GA06202		1:2	GA06202	EPDM FOAM (BLACK)A7±2
GA04201		1:1	GA04201	RIGID PVC (BLACK)D80±5°
GA12108		1:1	GA12108	PA66+GF25 D85°±5°
GA01		1:1	14x4mm	SILICONE (BLACK)A85°±5°
GA02		1:1	15x2mm	SILICONE (BLACK)A85°±5°
GA03		1:1	24x6mm	SILICONE (BLACK)A85°±5°
GA04		1:1	22x4mm	SILICONE (BLACK)A85°±5°
GA05		1:1	20x10mm	SILICONE (BLACK)A85°±5°

Job No.:

Key Plan/Elevation:



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Checked By:

Design Team:

Project:

ELICC CW-400 SERIES

Title:

MATERIAL LIST
GASKET/ SEALANT/ INSULATIION
& MISCELLANEOUS MATERIAL

Sheet No.: ML-037

Date: Jan. 25, 2025	Revision No.: -
Scale: 1'-0"=1'-0"	Size: 22"x34"

Phase: System Drawing

ELICC CW-400 SERIES

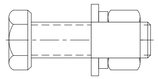
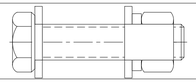
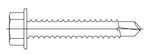
FL – #47352

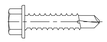
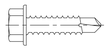
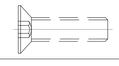
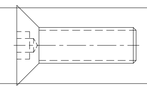
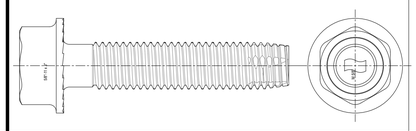
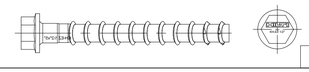
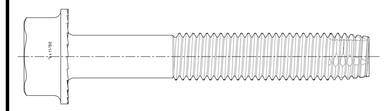
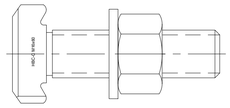
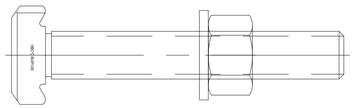
PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/08/2025

8.MATERIAL LIST OF FASTENERS

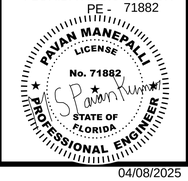
TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F1457		M12X40mm H.H. BOLT (FULL THREAD) W/ FLAT WASHER SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F1459		M12X50mm H.H. BOLT (FULL THREAD) W/ FLAT WASHER SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F2448		ST6.3x38mm HEX HEAD S.T. SCREW	S.S. 316	STAINLESS STEEL
F3007		ST4.2x13mm PAN-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3008		ST4.2x16mm PAN-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3009		ST4.2x19mm PAN-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3020		ST4.8x19mm PAN-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3208		ST4.2x16mm FLAT-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3209		ST4.2x19mm FLAT-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3220		ST4.8x19mm FLAT-HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3443		ST6.3x38mm HEX HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F4007		M5X25mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4016		M6X16mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4015		M6X12mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4033		M8X12mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4204		M5X12mm CROSS REVESSED COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F4205		M5X16mm CROSS REVESSED COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F4208		M5X30mm CROSS REVESSED COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL

TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F5057		M16x25 HEXAGON SOCKET HEAD FLATNENS SET BOLT	S.S. 316	STAINLESS STEEL
F3436		ST6.3x50mm HEX HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3432		ST5.5x25mm HEX HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F3441		ST6.3x25mm HEX HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F4830		M8X30mm HEXAGON SOCKET COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F3429		ST5.5x16mm HEX HEAD S.D. SCREW	S.S. 316	STAINLESS STEEL
F4862		M12X40mm HEXAGON SOCKET COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
FA01		5/8"-11x3" TAP-FLEX STRUCTURAL SCREWS	GRADE 5	Material:Alloy steel FINISH:Silver Stalgard ® SUB coating
FA03	 SCALE: 2:1	KH-EZ 1/2"X6" CONCRETE SCREW ANCHOR MANUFACTURER: HILTI		Material:Carbon steel Finish:zinc-plated (min. 8 µm)
FA04		M6 WELDED STUDS W/ FLAT WASHER SPRING WASHER AND NUT		ALUM.
FA05		5/8"-11x4" TAP-FLEX STRUCTURAL SCREWS	GRADE 5	Material:Alloy steel FINISH:Silver Stalgard ® SUB coating
FA06		T-HEAD BOLT W/ WASHER MANUFACTURER: HILTI TAG: HBC-C M16x60mm	GRADE:8.8	Material:Steel Grade 8.8 Finish:Hot dip galvanized 45 µm
FA07		T-HEAD BOLT W/ WASHER MANUFACTURER: HILTI TAG: HBC-C M16x100mm	GRADE:8.8	Material:Steel Grade 8.8 Finish:Hot dip galvanized 45 µm

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882



04/08/2025

Job No.:

Key Plan/Elevation:



No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

Project:
ELICC CW-400 SERIES

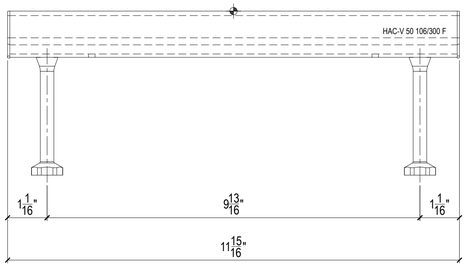
Title:
MATERIAL LIST
FASTENERS

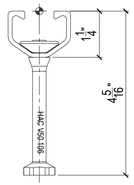
Sheet No.: ML-038

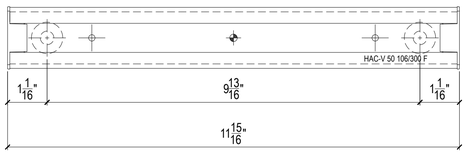
Date: Jan. 25, 2025	Revision No.: -
Scale: 1'-0"=1'-0"	Size: 22"x34"

Phase: System Drawing

9.EMBED DRAWING LIST







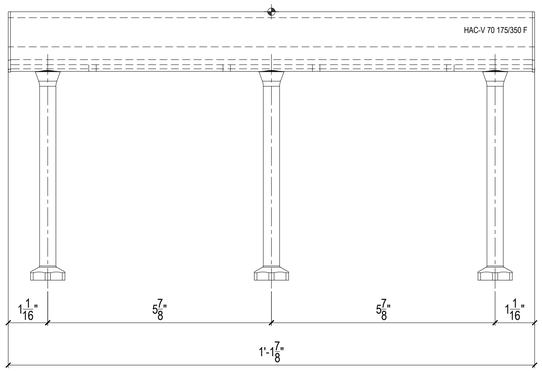
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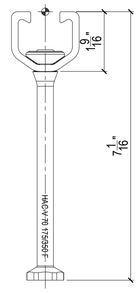
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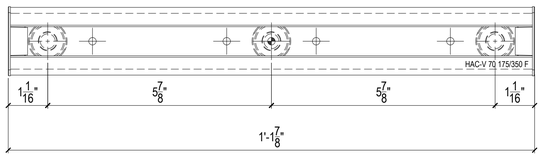
2.Material:A 283 C(Q235B).

3.Surface Finish:Hot dip galvanized ≥ 56 μm.

4.For use with: HBC-C-N M16 T-head bolt.







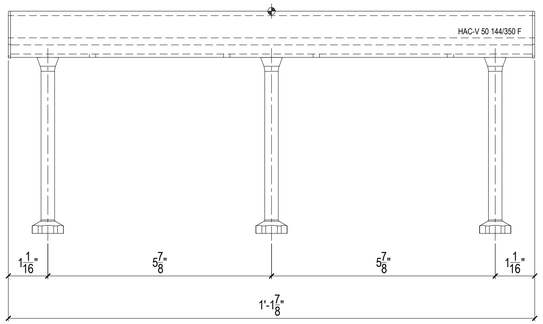
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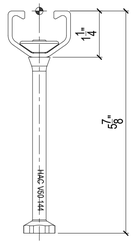
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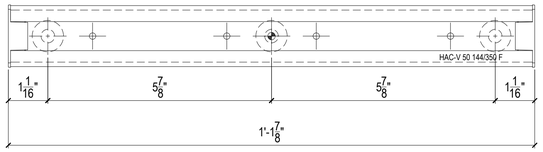
2.Material:A 283 C(Q235B).

3.Surface Finish:Hot dip galvanized ≥ 56 μm.

4.For use with: HBC-C-N M16 T-head bolt.







Technical data:

1.Groove embed type：EM02 (Hilti HAC-V 50 144/350 F)：

2.Material:A 283 C(Q235B).

3.Surface Finish:Hot dip galvanized ≥ 56 μm.

4.For use with: HBC-C-N M16 T-head bolt.

Job No.:

Key Plan/Elevation:



No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

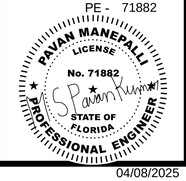
Project:
ELICC CW-400 SERIES

Title:
MATERIAL LIST
GLASS \ STEEL & METAL PANEL

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

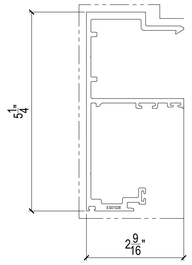


04/08/2025

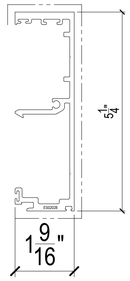
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Date: Jan. 25, 2025	Revision No.: -
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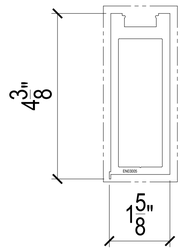
Phase: System Drawing



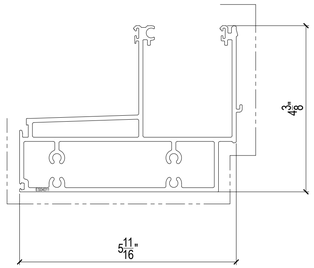
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FINISH : AAMA2604	
PURPOSE : MALE MULLION	LEGEND:
COLOR: -	POWDER COAT



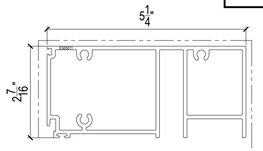
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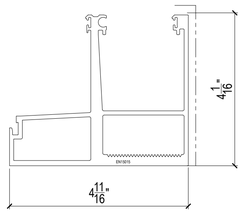
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COLOR: -	POWDER COAT



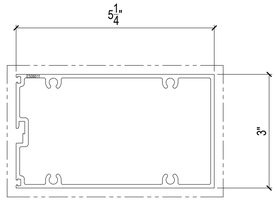
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COLOR: -	POWDER COAT



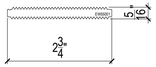
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COLOR: -	POWDER COAT



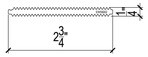
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COLOR: -	POWDER COAT



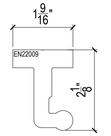
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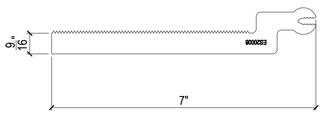
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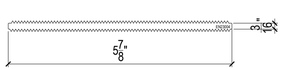
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COLOR: -	POWDER COAT



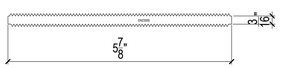
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COLOR: -	POWDER COAT



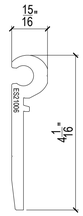
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FINISH : AAMA 2604	
PURPOSE : ANCHOR	LEGEND:
COLOR: -	POWDER COAT



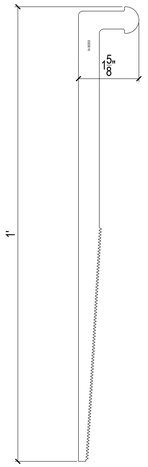
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PURPOSE : SHIM	LEGEND:
COLOR: -	POWDER COAT



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FINISH : NON-CHROMATE	
PURPOSE : SHIM	LEGEND:
COLOR: -	POWDER COAT



DIE NO. : ES21006	
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COLOR: -	POWDER COAT



DIE NO. : ES20016	
MATERIAL : 6005A-T61	
FINISH : AAMA 2604	
PURPOSE : ANCHOR	LEGEND:
COLOR: -	POWDER COAT

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER PAVAN MANEPALLI

04/08/2025

Job No.:

Key Plan/Elevation:

No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

Project:
ELICC CW-400 SERIES

Title:
MATERIAL LIST
Aluminum Extrusion

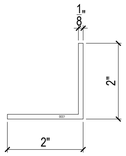
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Phase: System Drawing



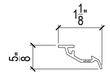
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PURPOSE : WASHER	LEGEND:
COLOR: -	POWDER COAT



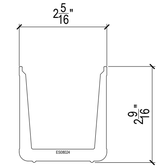
DIE NO. :1330	
MATERIAL : 6063-T5	
FINISH : NON-CHROMATE	
PURPOSE : ANGLE	LEGEND:
COLOR: -	POWDER COAT



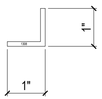
DIE NO. : ES22001	
MATERIAL : 6005A-T61	
FINISH : NON-CHROMATE	
PURPOSE : ANCHOR SLEEVE	LEGEND:
COLOR: -	POWDER COAT



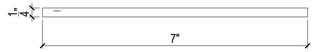
DIE NO. :EW12002	
MATERIAL : 6063-T6	
FINISH :NON-CHROMATE	
PURPOSE : ANTI-BUCKLING CLIP	LEGEND:
COLOR: -	POWDER COAT



DIE NO. :ES08024	
MATERIAL : 6005A-T61	
FINISH :NON-CHROMATE	
PURPOSE : GUTTER SLEEVE	LEGEND:
COLOR: -	POWDER COAT



DIE NO. :1308	
MATERIAL : 6063-T5	
FINISH : NON-CHROMATE	
PURPOSE : ANGLE	LEGEND:
COLOR: -	POWDER COAT



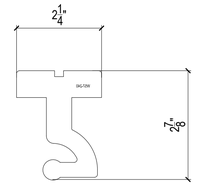
DIE NO. : ES55003	
MATERIAL : 6063-T6	
FINISH : NON-CHROMATE	
PURPOSE : BAR	LEGEND:
COLOR: -	POWDER COAT



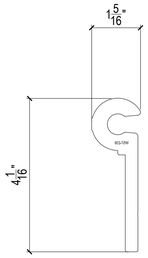
DIE NO. : -	
MATERIAL : 6063-T5	
FINISH : NON-CHROMATE	
PURPOSE : BAR	LEGEND:
COLOR: -	POWDER COAT



DIE NO. :EN13013	
MATERIAL : 6063-T5	
FINISH : AAMA2604	
PURPOSE :CAP	LEGEND:
COLOR: -	POWDER COAT



DIE NO. : W57-240	
MATERIAL : 6005A-T61	
FINISH : NON-CHROMATE	
PURPOSE : BRACKET	LEGEND:
COLOR: -	POWDER COAT



DIE NO. : W57-239	
MATERIAL : 6005A-T61	
FINISH : NON-CHROMATE	
PURPOSE : BRACKET	LEGEND:
COLOR: -	POWDER COAT

ELICC CW-400 SERIES

FL – #47352

PAVAN MANEPALLI, P.E.
FLORIDA REGISTRATION
PE - 71882

PAVAN MANEPALLI LICENSE No. 71882 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/08/2025

Job No.:

Key Plan/Elevation:

N

No.	Date	Description
-	-	-

Revisions:

Owner:

Architect:

Facade Consultant:

Issued By:

ELICC GROUP

ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

Project:

ELICC CW-400 SERIES

Title:

MATERIAL LIST
Aluminum Extrusion

Sheet No.: ML-040

Date: Jan. 25, 2025	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: System Drawing