

INSTALLATION INSTRUCTIONS FOR
ELICC AMERICAS CORPORATION
LV-550 SERIES LOUVER LARGE MISSILE IMPACT (LMI)

GENERAL NOTES:

- 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).
- FACADE RATED FOR LARGE MISSILE IMPACT.
- THIS PRODUCT PASSED THE AMCA 550 TEST WITH BACK PAN AND X-VENTS INSTALLED IN THE BACK OF THE SYSTEM.
- ANCHORS SHALL BE AS LISTED. SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- 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.
- 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.
- 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 LT-LMI01 FOR APPROVED WINDOW SIZE AND DESIGN LOAD.

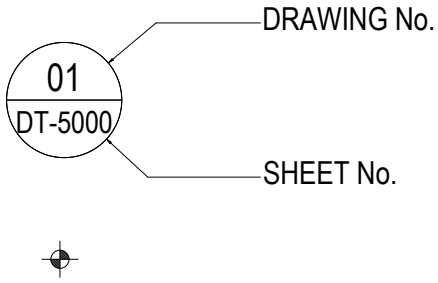
ABBREVIATIONS:

S.T. ----- SELF TAPPING SCREW	DIM. -----DIMENSION	SF-----SQUARE FEET
S.M.S. ----- SHEET METAL SCREW	LG. -----LONG	SIM. -----SIMILAR
H.W.H. ----- HEX WASHER HEAD SCREW	MAX. -----MAXIMUM	SQ. -----SQUARE
H.H. ----- HEX HEAD SCREW	MIN. -----MINIMUM	S.S. -----STAINLESS STEEL
P.H. ----- PAN HEAD SCREW	MS -----MACHINE SCREW	THK. -----THICKNESS
F.H. ----- FLAT HEAD SCREW	NO. -----NUMBER	TYP. -----TYPICAL
G.M.S. ----- GALVANIZED MILD STEEL	N.T.S. -----NOT TO SCALE	U.H. -----UNIT HEIGHT
B.M.U. ----- BUILDING MAINTENANCE UNIT TIEBACK	PSF -----POUNDS PER SQUARE FEET	W/ -----WITH
S.D. ----- SELF DRILL	PVC -----POLYVINYLCHLORIDE	W.P. -----WORK POINT
HS ----- HEAT STRENGTHENED	QTY. -----QUANTITY	C.O. -----CLEAR OPENING
FT ----- TEMPERED	GR-----GRADE	F.O. -----FRAME OPENING
PPC ----- POLYESTER POWDER COATED	O.C.-----ON CENTRAL	T.O.S. -----TOP OF SLAB

SYMBOLS:

DRAWING TAG

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.

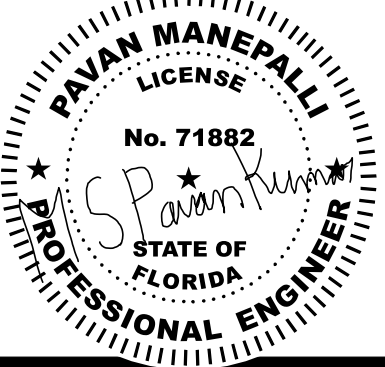
D. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

E. THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

ELICC LV-550 SERIES

FL — 48171

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



Job No.:

Key Plan/Elevation:



No.	Date	Description
-----	------	-------------

Revisions:

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Facade Consultant:

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Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:

COVER

Sheet No.: GN-T001

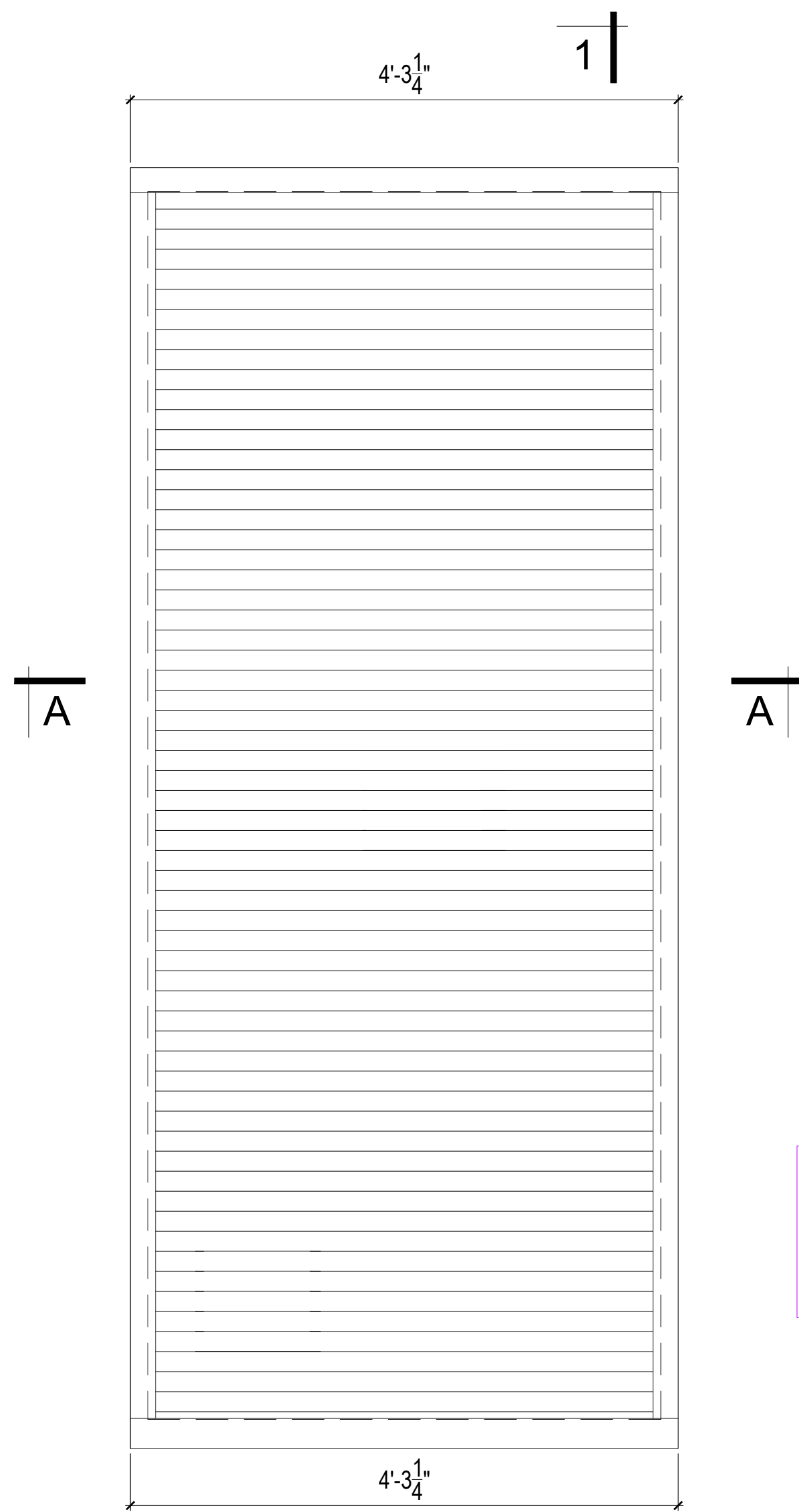
Date: March 20,2026

Revision No.: -

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Size: 22"x34"

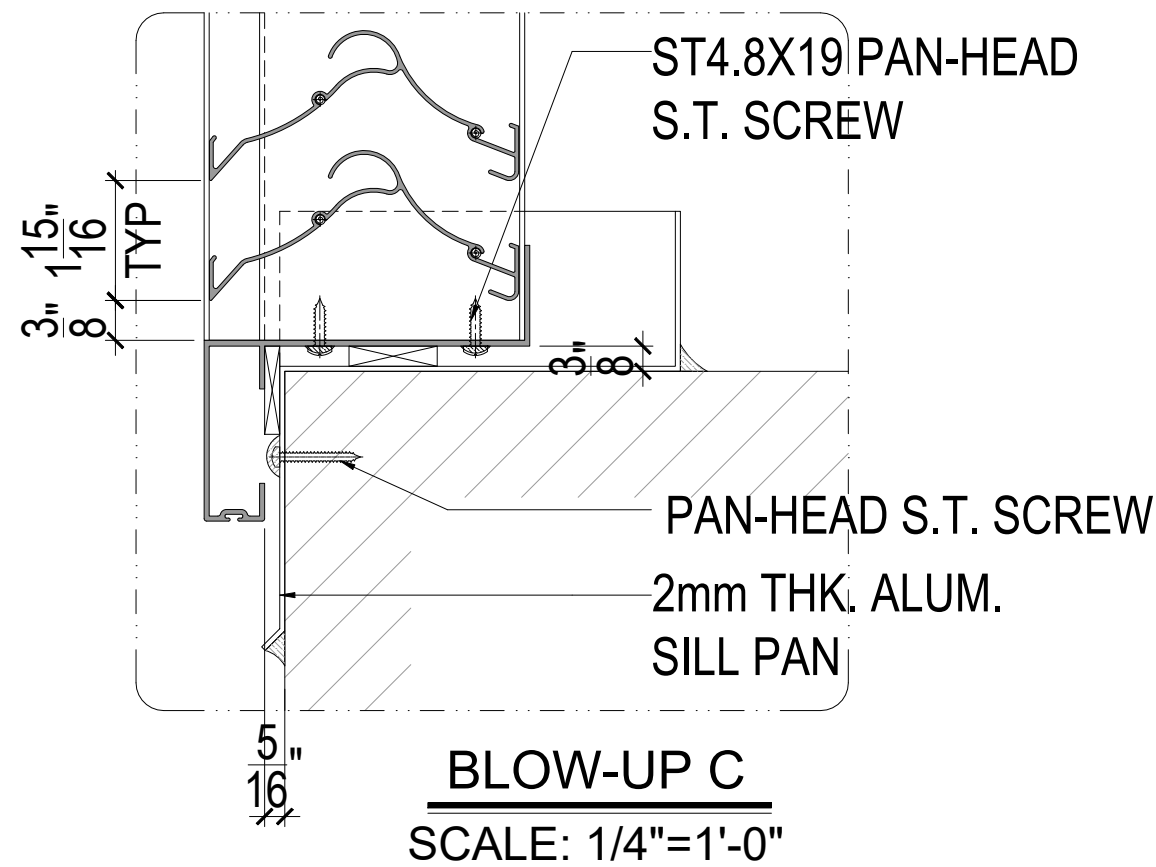
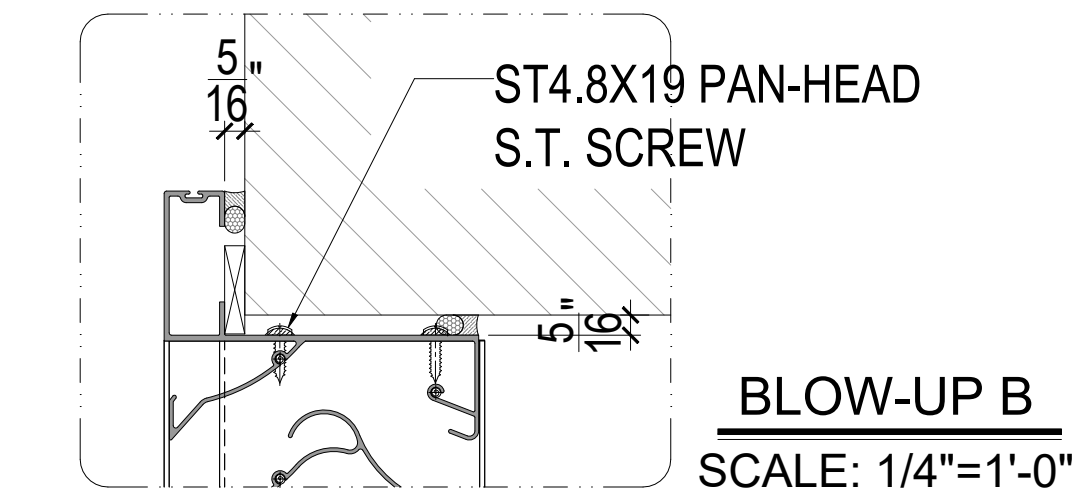
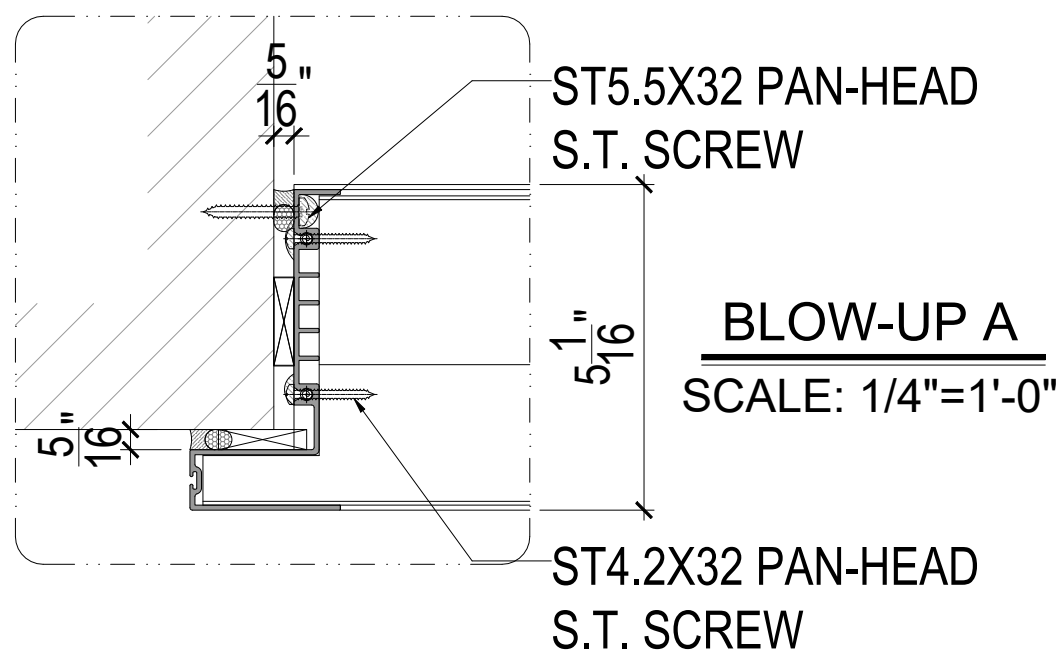
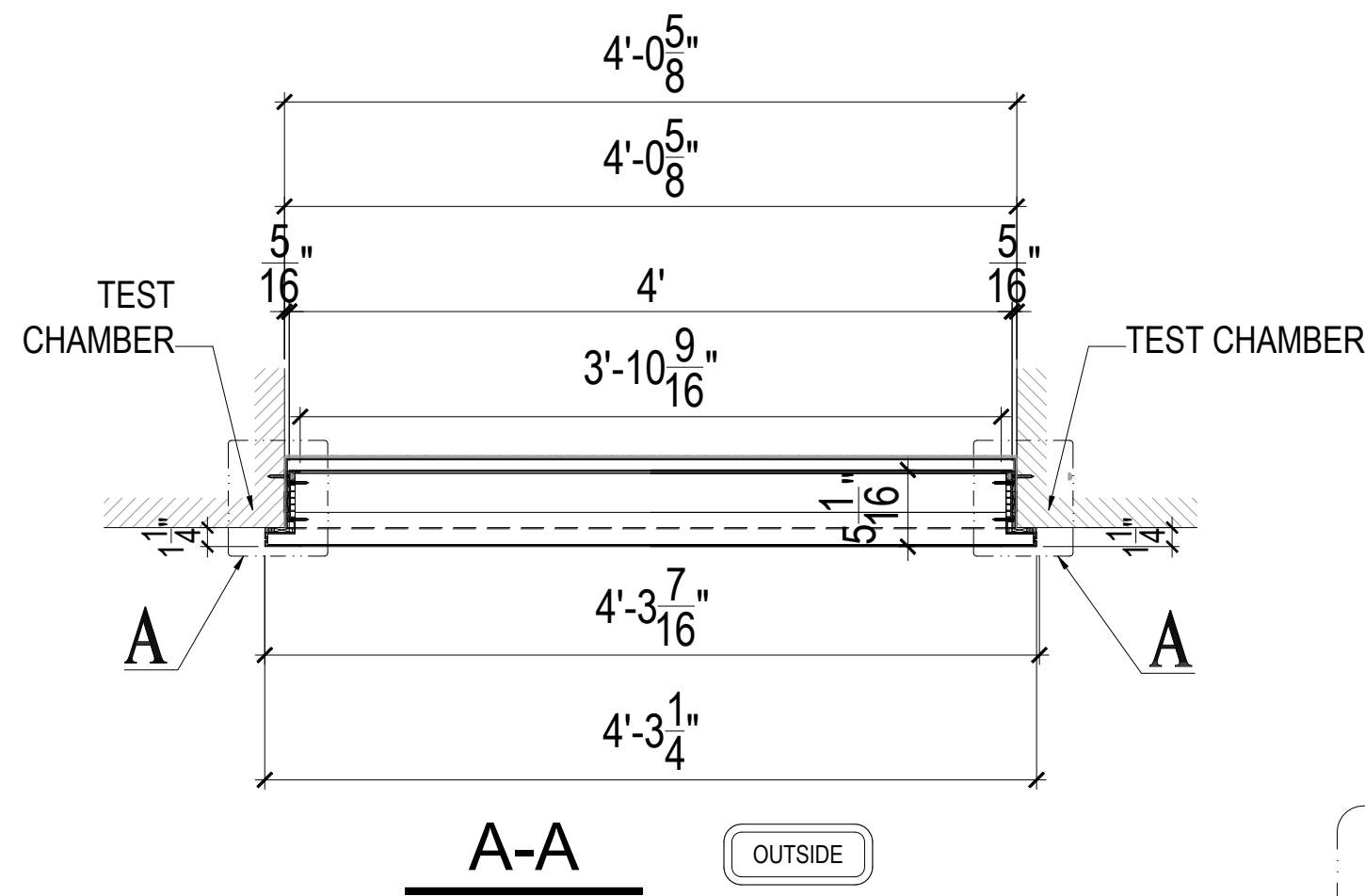
Phase: System Drawing



Louver
specimen#1
100 Psf D.P.

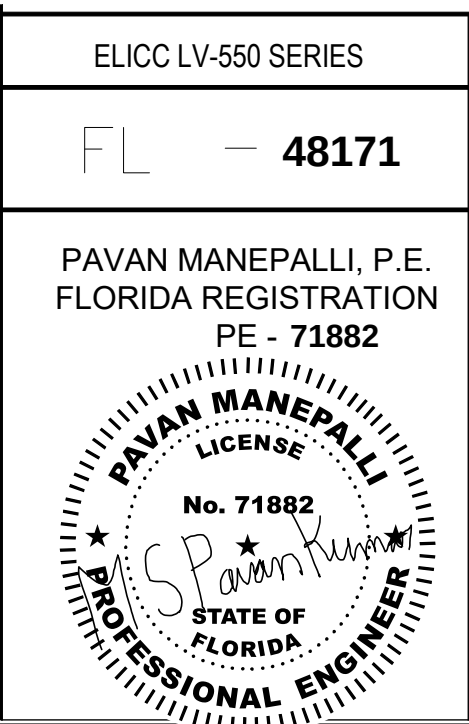
TAS 202-94 (Design Test Pressure);
TAS 201-94 (Enhanced Large Missile Impact);
TAS 203-94 (Test Pressure);

1 LOUVER TEST MOCK-UP
Scale: 1"=1'-0"



LARGE MISSILE IMPACT
DESIGN WIND LOAD: ±100 PSF

THIS PRODUCT PASSED THE
AMCA 550 TEST WITH BACK PANS
AND X-VENTS INSTALLED IN THE
BACK OF THE SYSTEM.



Job No.: --

Key Plan/Elevation:

No.	Date	Description

Revisions:

Owner:
Name Shore Club Property Owner LLC
Address 4400 Biscayne Blvd, Suite 900
Address Miami, FL 33137
Name: Adam Gottlieb
Email gottlieba@witkoff.com

Design Architect:
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Tel: 212.967.5100
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Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
LOUVER TEST MOCK UP 2
LARGE MISSILE IMPACT

Sheet No.: LT-LMI01

Date: Mar. 20,2026

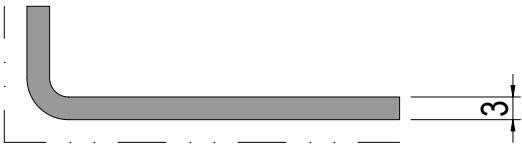
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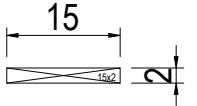
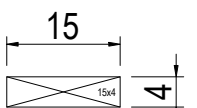
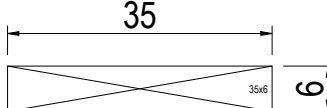
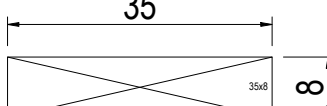
Size: 22"x34"

Phase: Testing Drawing

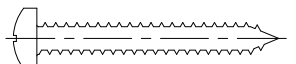
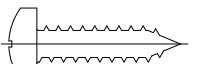
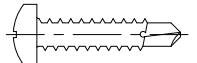
1.MATERIAL LIST OF ALUM. PANEL

LEGEND NUMBER	MATERIAL DESCRIPTION	SECTION
AP-03	3mm THICK ALUMINUM PANEL ALLOY: 3003-H14 FINISH: NON-CHROMATE	
AP-04	2mm THICK ALUMINUM PANEL ALLOY: 3003-H14 FINISH: NON-CHROMATE	

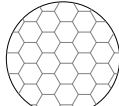
2.MATERIAL LIST OF GASKET AND THERMAL BREAK AND SETTING-BLOCK

TAG	DIAGRAM	SCALE	DIE NO.	MATERIAL/COLOR/DUROMETER
G01		1:1	15×2	SILICONE (BLACK)A85°±5°
G02		1:1	15×3	SILICONE (BLACK)A85°±5°
G03		1:1	20×4	SILICONE (BLACK)A85°±5°
G04		1:1	20×5	SILICONE (BLACK)A85°±5°

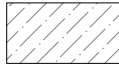
3.MATERIAL LIST OF FASTENERS

TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F2013		ST4.2x32mm PH. S.T SCREW	S.S. 316	STAINLESS STEEL
F2022		ST4.8x19mm PH. S.T SCREW	S.S. 316	STAINLESS STEEL
F2036		ST5.5x32mm PH. S.T SCREW	S.S. 316	STAINLESS STEEL
F3009		ST4.2x19mm PH. S.T SCREW	S.S. 316	STAINLESS STEEL

4.MISCELLANEOUS MATERIAL LIST

M01	SOFT BACKER ROD MATERIAL: BI-CELLUAR POLYETHYLENE FOAM	
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5.SEALANT MATERIAL LIST

S01	SILICONE WEATHERPROOFING SEALANT BRAND: DOW TYPE: DOWSIL 791 COLOR: BLACK	
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Job No.: --

Key Plan/Elevation:

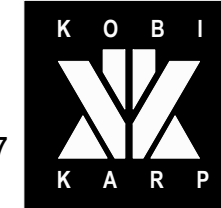
No.	Date	Description

Revisions:

Owner:
Name Shore Club Property Owner LLC
Address 4400 Biscayne Blvd, Suite 900
Address Miami, FL 33137
Name: Adam Gottlieb
Email gottlieba@witkoff.com

Design Architect:
Name Robert A.M Stern Architects LLP
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Architect:
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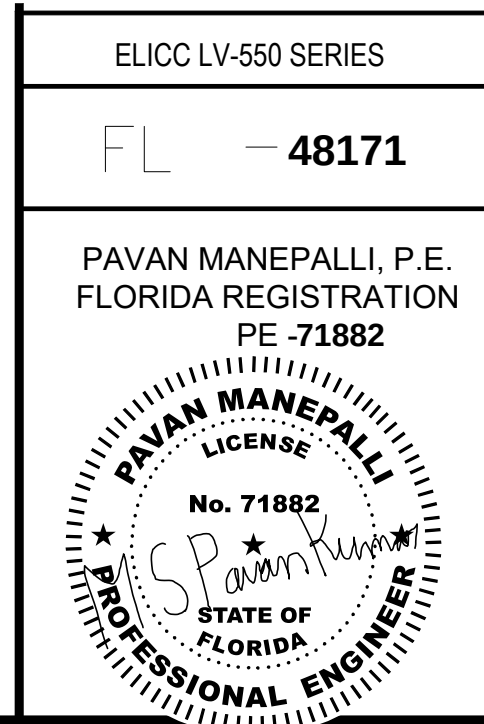
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MATERIAL LIST

Sheet No.: MA-T101

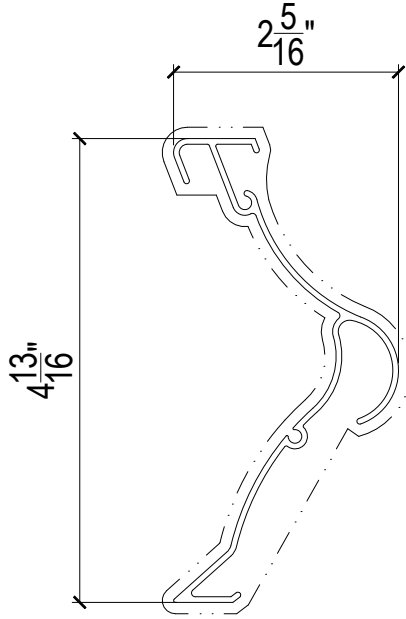
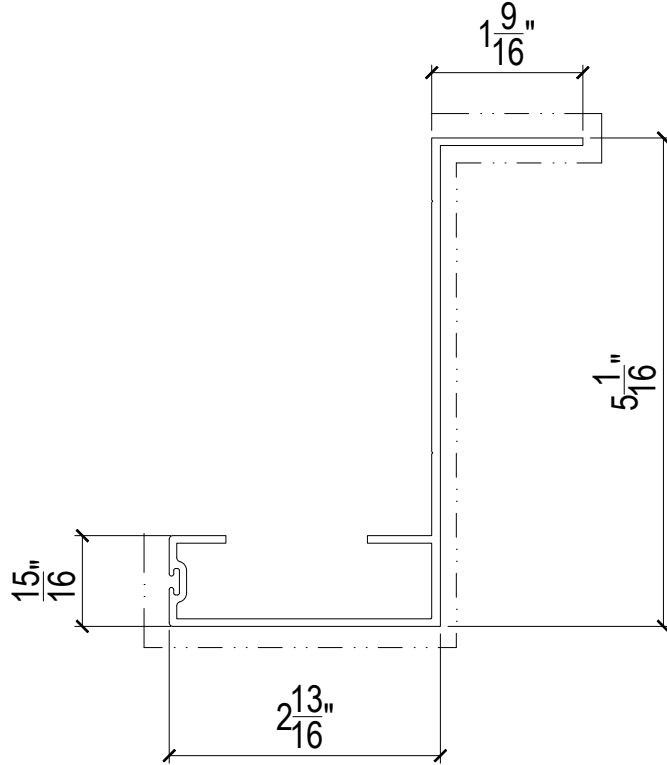
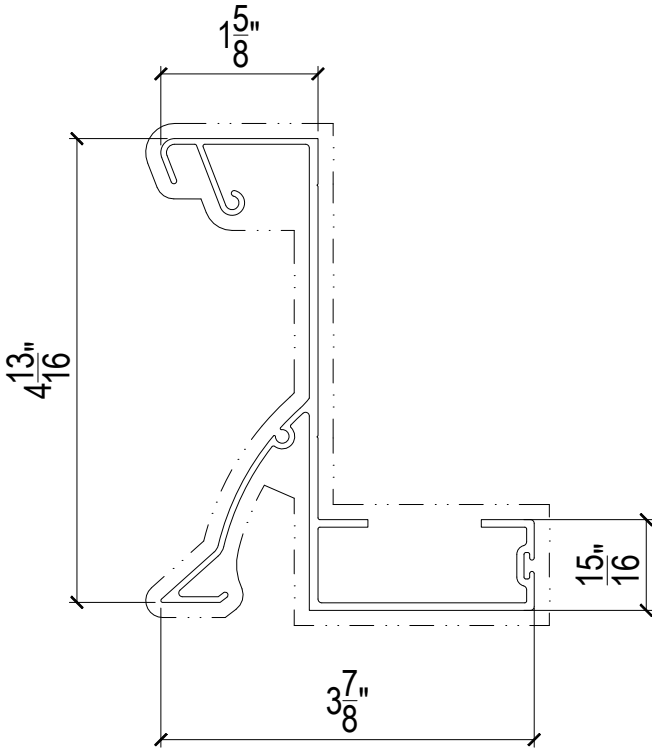
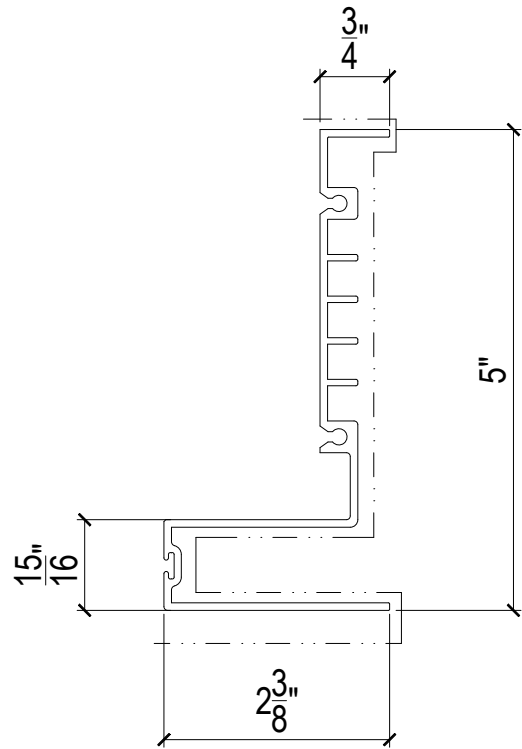
Date: Mar. 20,2026 Revision No.: -

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

Phase: Testing Drawing



04/20/2026



DIE NO.: EN45016
MATERIAL: 6063-T6
FINISH: PPC AAMA2605
PURPOSE: Louver Frame
COLOR: TBD

LEGEND:
POWDER COAT-----

DIE NO.: ES44003
MATERIAL: 6063-T6
FINISH: PPC AAMA2605
PURPOSE: Louver Blade
COLOR: TBD

LEGEND:
POWDER COAT-----

DIE NO.: EN45017
MATERIAL: 6063-T6
FINISH: PPC AAMA2605
PURPOSE: Louver Blade
COLOR: TBD

LEGEND:
POWDER COAT-----

DIE NO.: ES44002
MATERIAL: 6063-T6
FINISH: PPC AAMA2605
PURPOSE: Louver Blade
COLOR: TBD

LEGEND:
POWDER COAT-----

Job No.: --

Key Plan/Elevation:

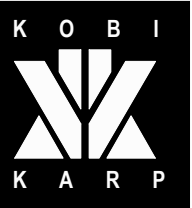
No.	Date	Description

Revisions:

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Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T102

Date: Mar. 20,2026

Revision No.: -

Scale: 6"=1'-0"

Size: 22"x34"

Phase: Testing Drawing

