



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

S&P Air Control, LLC
3005 South Hickory Street
Chattanooga, TN 37407

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model D-HV-5 Aluminum Louver System

APPROVAL DOCUMENT: Drawing No. **25-022**, titled “Model D-HV-5 Horizontal & Vertical Louver System (L.M.I.)”, sheets 1 through 15 of 15, dated 03/24/2025, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant (Level E, 80 fps)

LABELING: A permanent label with the manufacturer's name or logo, Chattanooga, TN or Hartford, AL, model/series, and following statement: "Miami-Dade County Product Control Approved", is to be located on each unit.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



09/11/25

NOA No. 25-0819.01
Expiration Date: September 18, 2030
Approval Date: September 18, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **25-022**, titled “Model D-HV-5 Horizontal & Vertical Louver System (L.M.I.)”, sheets 1 through 15 of 15, dated 03/24/2025, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94 (Level E, 80 fps)
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Models D-HV-5 Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T007**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.
2. Test Report on Test Method for Louvers Impacted by Wind Borne Debris per ANSI/AMCA 540 on Models D-HV-5 Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T006**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.
3. Test Report on High Velocity Wind Driven Rain Resistance per ANSI/AMCA 550-15 on a Model D-HV-5 Aluminum Louver System, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T005**, dated 07/21/2025, signed and sealed by Zachary R. Priest, P.E.

C. CALCULATIONS

1. Anchoring calculations, prepared by Tilteco, Inc, dated 07/24/2025, signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Tilteco, Inc., dated 04/09/2025, signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement letter of no financial interest letter, issued by Tilteco, Inc., dated 04/09/2025, signed and sealed by Walter A. Tillit Jr., P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0819.01
Expiration Date: September 18, 2030
Approval Date: September 18, 2025

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

GENERAL NOTES

1. MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM (L.M.I) SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE **2023 (8th EDITION)** OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING **ASCE 7-22** AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.

MODEL D-HV-5 CONSISTING OF THE INSTALLATION OF HORIZONTAL LOUVER SYSTEM AS FRONT DECORATIVE COVER TO REAR VERTICAL LARGE MISSILE IMPACT RESISTANT ALUM. LOUVER SYSTEM ADEQUACY FOR WIND AND FATIGUE DUE TO WING RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PRI CONSTRUCTION MATERIALS TECHNOLOGIES LLC. REPORTS #1697T0007, 1697T0006, 1697T0005 AS PER TAS 201 (80 FT/SEC), TAS-202, TAS-203 AND AMCA 540.

2. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY & TEMPER, UNLESS NOTED OTHERWISE.
3. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 AND SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
4. ANCHORS (16) USED FOR CONNECTION TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 15 FOR MAX. SPACING).

ANCHORS (16) SHALL BE INSTALLED FOLLOWING ALL THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHORS MANUFACTURER. E.D. IS BEYOND ANY WALL FINISH. LAG SCREWS SHALL COMPLY WITH 2018 NDS.

ANCHOR TYPE	MANUFACTURER	DIAMETER OR GAGE	MIN. EMBEDMENT			MIN. EDGE DISTANCE (E.D)			
			TO CONCRETE (f'c=3,000 psi) MIN.	TO CONCRETE BLOCK ASTM (C-90 UNIT) (f'c=1.5 ksi) GROUTED	1/8" MIN. (Fy=36ksi) GALV. STEEL OR 1/8" 6063-T6 ALUMINUM	TO WOOD (G ≥ 0.55)	CONCRETE OR GROUTED CONCRETE BLOCK	STEEL & ALUM.	WOOD
SCREW-BOLT	DEWALT	3/8"	3 1/4"	3 1/4"	N/A	N/A	1 1/2"	N/A	N/A
LAG SCREW	-	3/8"	N/A	N/A	N/A	1 1/2"	N/A	N/A	1 1/2"
TAP-FLEX	ELCO CONSTRUCTION PRODUCTS	3/8"	N/A	N/A	FULLY EMB. PLUS 3 THREADS BEYOND.	N/A	N/A	3/4"	N/A

5. MODEL D-HV-5 CONSISTING OF THE INSTALLATION OF HORIZONTAL LOUVER SYSTEM AS FRONT DECORATIVE COVER TO REAR VERTICAL LARGE MISSILE IMPACT RESISTANT ALUM. LOUVER SYSTEM MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, OR THE ROOM WILL HOUSE NON-WATER RESISTANT EQUIPMENT. COMPONENTS OR SUPPLIES INSTALLATION ON LOUVER IS LIMITED TO 40 FT. IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.
6. ALUMINUM MEMBERS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

7. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.
8. (A). THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(B). CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C). THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(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.A.D.

(E). ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.
9. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1703.5 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

A.S.D DESIGN PRESSURE RATING:
+110, -110 psf. FOR SINGLE & MULTIPLE PANELS W/ (11)

+110, -110 psf. ONLY FOR SINGLE PANELS W/ (10) & W/O (11)
 (FOR SPECIFIC CONNECTION TO CURTAIN WALLS SEE SHEETS 6, 11 & 14)

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

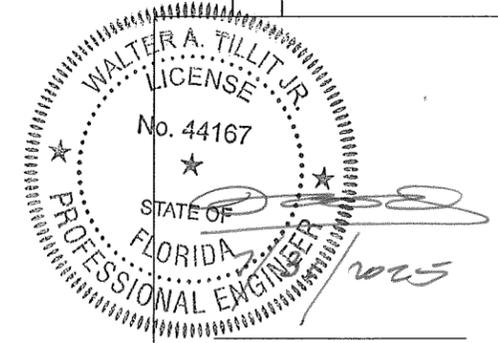
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 1 OF 15

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

©2025 TILTECO, INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th, St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167



P.E. SEAL/SIGNATURE/DATE

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 25-0819.01
Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY

BILL OF MATERIALS

COMPONENT #	DESCRIPTION	MATERIAL	NOTES
①	HEAD	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS W/(2) ⑫ TO ③ AT CORNERS
②	SILL	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS USE W/(8)
③	SIDE JAMB	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS, CONNECTED TO SILL AT CORNERS W/(2) ⑫
③A	LAST BLADE BLANK-OFF ANGLE	6063-T5 ALUMINUM ALLOY/TEMPER	W/ ⑬ @8"O.C TO ③
④	BIRD SCREEN FRAME	6063-T5 ALUMINUM ALLOY/TEMPER	OPTIONAL
⑤A	HORIZONTAL FRONT BLADE	6063-T5 ALUMINUM ALLOY/TEMPER	SPACED @ 2 3/8"O.C W/(2) ⑬ AT ENDS TO JAMBS ③
⑤B	VERTICAL REAR BLADE	6063-T5 ALUMINUM ALLOY/TEMPER	SPACED AT 13/16"O.C & W/(2) ⑬ TO HEAD ① & SILL ② AT ENDS.
⑥	BLADE BRACE FOR ⑤B	6063-T5 ALUMINUM ALLOY/TEMPER	2" LONG, SHALL CATCH (3)BLADES ⑤B & FASTENED TO ⑥A W/⑮
⑥A	BLADE BRACE STRIP FOR ⑤B	6063-T5 ALUMINUM ALLOY/TEMPER	CONTINUOUS HORIZONTALLY ACROSS UNIT W/(1) ⑭ TO ③ EA END
⑦	STANDARD BIRD SCREEN	3/4" x 0.051" FLATTENED ALUMINUM	OPTIONAL
⑧	SILL BAFFLE	3003 H14 ALUMINUM ALLOY/HARDNESS	CONTINUOUS, CONNECTED TO ② W/ ⑬ @8"O.C
⑨	HEAD FLANGE	6063-T5 ALUMINUM ALLOY/TEMPER	OPTIONAL
⑩	GLAZING ADAPTER FOR CURTAIN WALL	6063-T5 ALUMINUM ALLOY/TEMPER	PER CURTAIN WALL MANUFACTURER
⑪	HEAD/SILL MOUNTING ANGLE	6061-T6 ALUMINUM ALLOY/TEMPER	CONTINUOUS
⑫	#8 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S.	MIN. Fy=90 ksi	USE AT FRAME ASSEMBLY AT CORNERS
⑬	#10 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S.	-	USE (2) FOR BLADES ATTACHMENT EA. END
⑭	1/4 -14 x 1-1/2" HEX HEAD TEK SCREW	-	ATTACHMENT OF ⑪ TO HEAD & SILL & FOR ⑥A TO ③
⑮	#10 x 3/4" HEX HEAD TEK SCREW	-	⑥A CONNECTION TO ⑥
⑯	ANCHOR FOR ⑪	VARIES SEE NOTE 4/1	SEE NOTE 4/1
⑰	STRUCTURAL SILICONE DOW 795 (SEE NOTES)	SILICONE SEALANT	QUALIFIES ALSO DOW 983. USE ONLY AT SPECIFIC CURTAIN WALL SUBSTRATE, SEE SHEET 11

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 2 OF 15

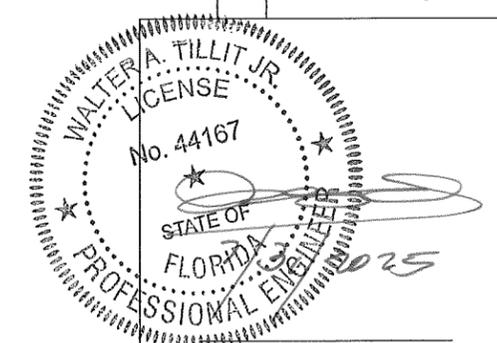
MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

REV. NO.	DATE	DESCRIPTION
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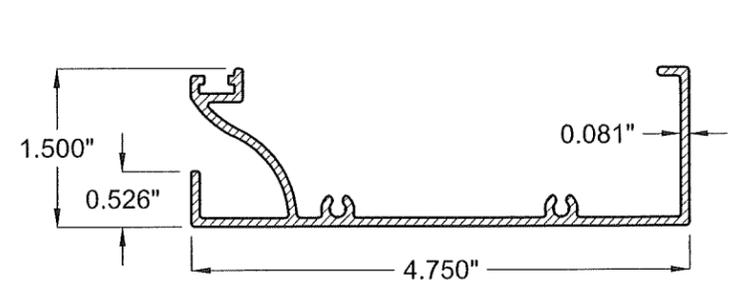
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167



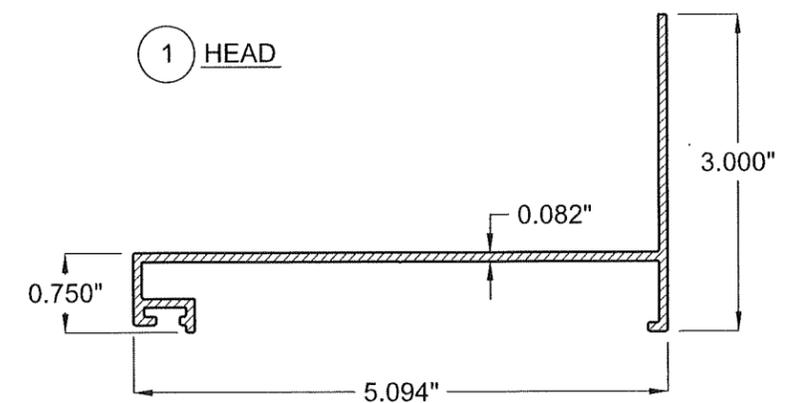
P.E. SEAL/SIGNATURE/DATE

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Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control

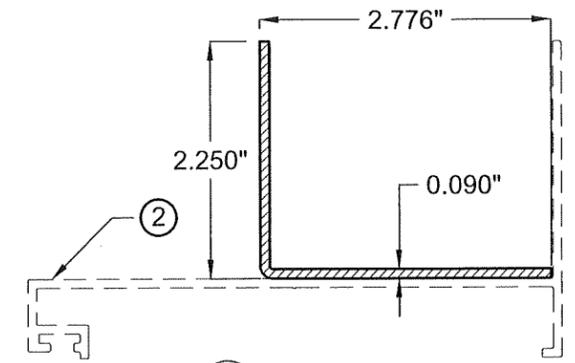
MIAMI DADE COUNTY



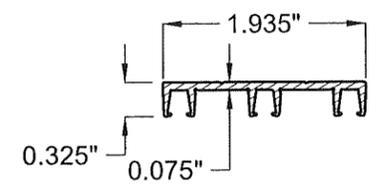
1 HEAD



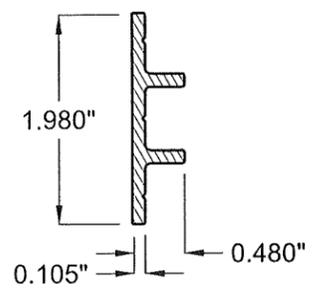
2 SILL



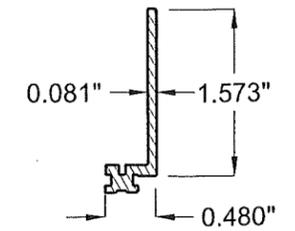
8 SILL BAFFLE



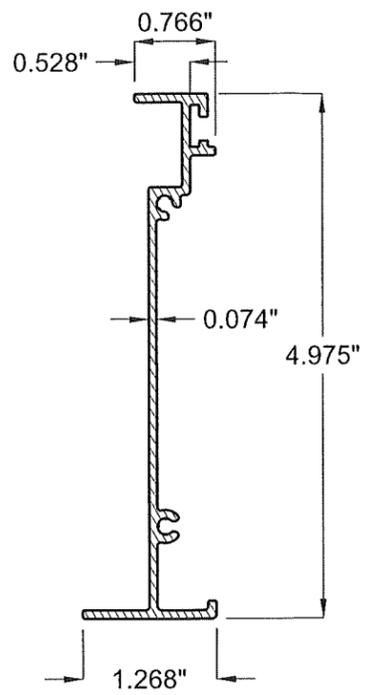
6 BLADE BRACE FOR (5B)
2" LONG.



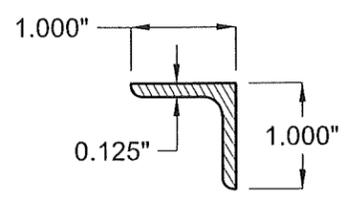
6A BLADE BRACE STRIP FOR (5B)
CONT.



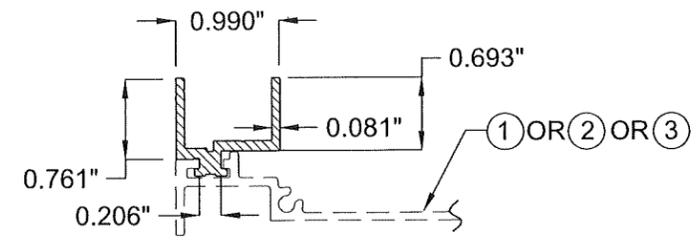
9 HEAD FLANGE
(OPTIONAL)



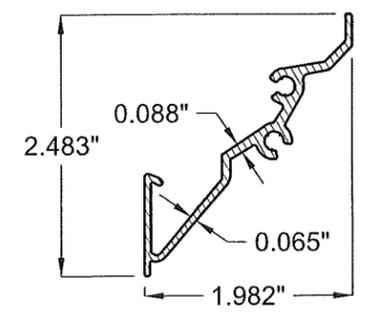
3 SIDE JAMB



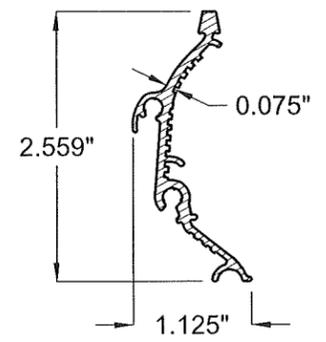
3A LAST BLADE
BLANK-OFF ANGLE



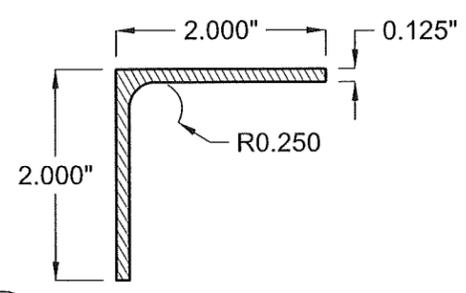
10 GLAZING
ADAPTER



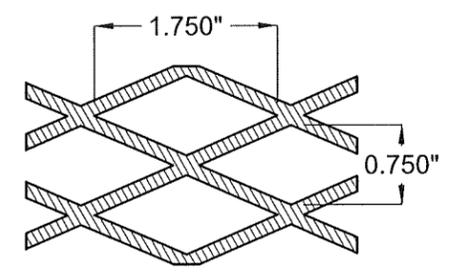
5A HORIZONTAL
FRONT BLADE



5B VERTICAL
REAR BLADE



11 HEAD/SILL MOUNTING ANGLE



7 OPTIONAL BIRD SCREEN

COMPONENTS

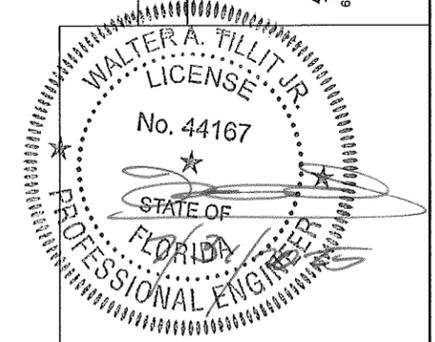
SCALE:N.T.S

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
W.H. DRAWN BY:
03/24/2025 DATE:
25-022 DRAWING No.
SHEET 3 OF 15

MODEL D-HV-5 HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

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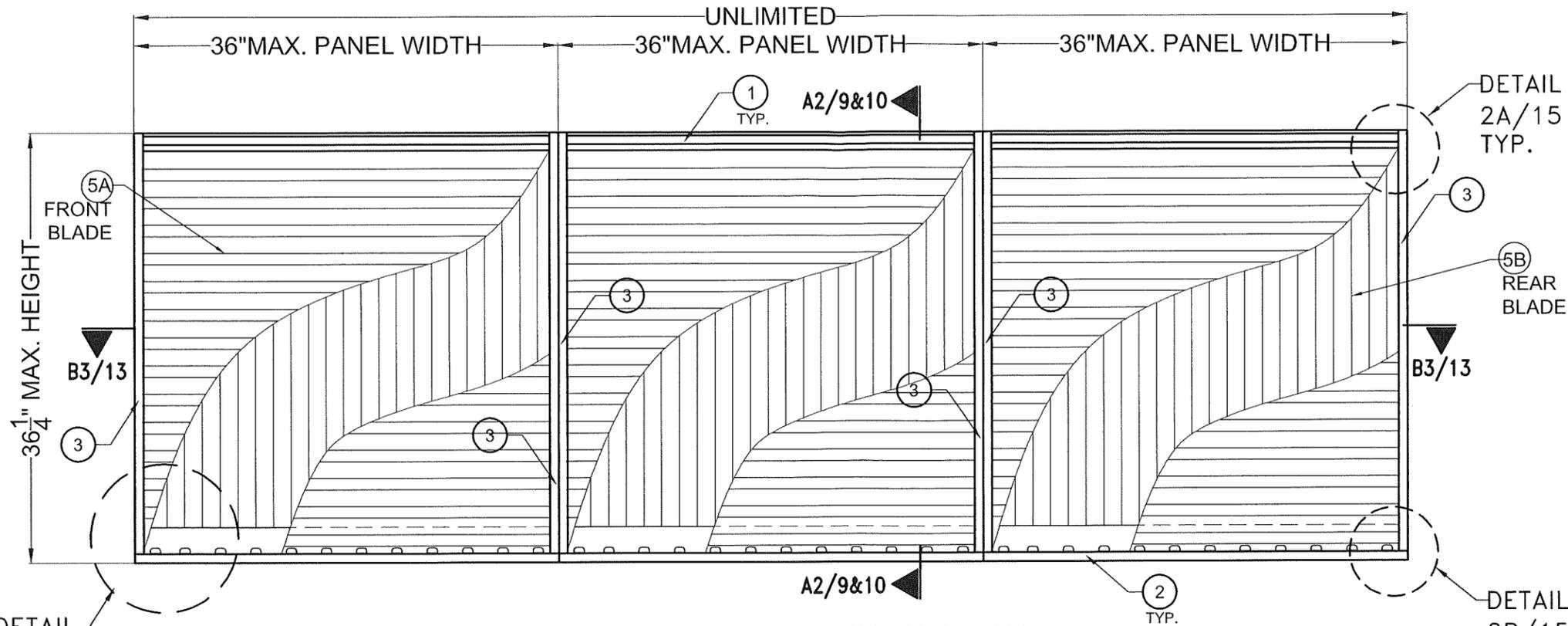
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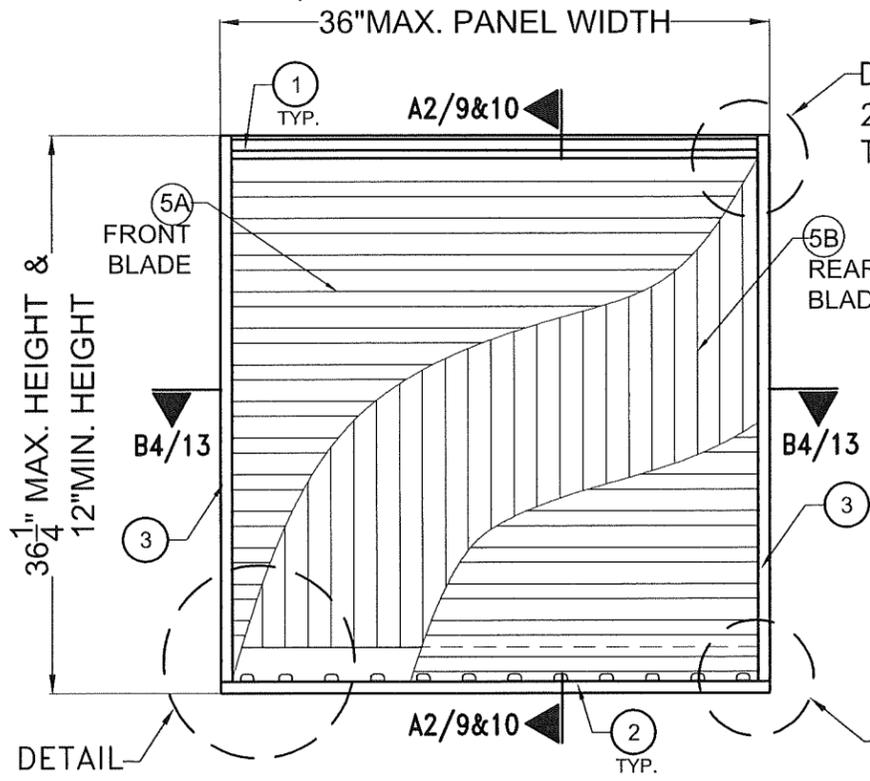
By *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY



**EXTERIOR ELEVATION MULTIPLE UNITS
W/O (6) & (6A) BLADE BRACE * W/(11)**

SCALE: N.T.S



**EXTERIOR ELEVATION SINGLE UNIT
W/O (6) & (6A) BLADE BRACE * W/(11)**

SCALE: N.T.S

NOTE:

(NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. SEE SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER CASE)

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

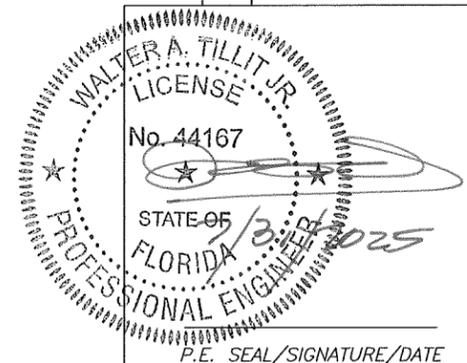
MODEL D-HV-5 HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

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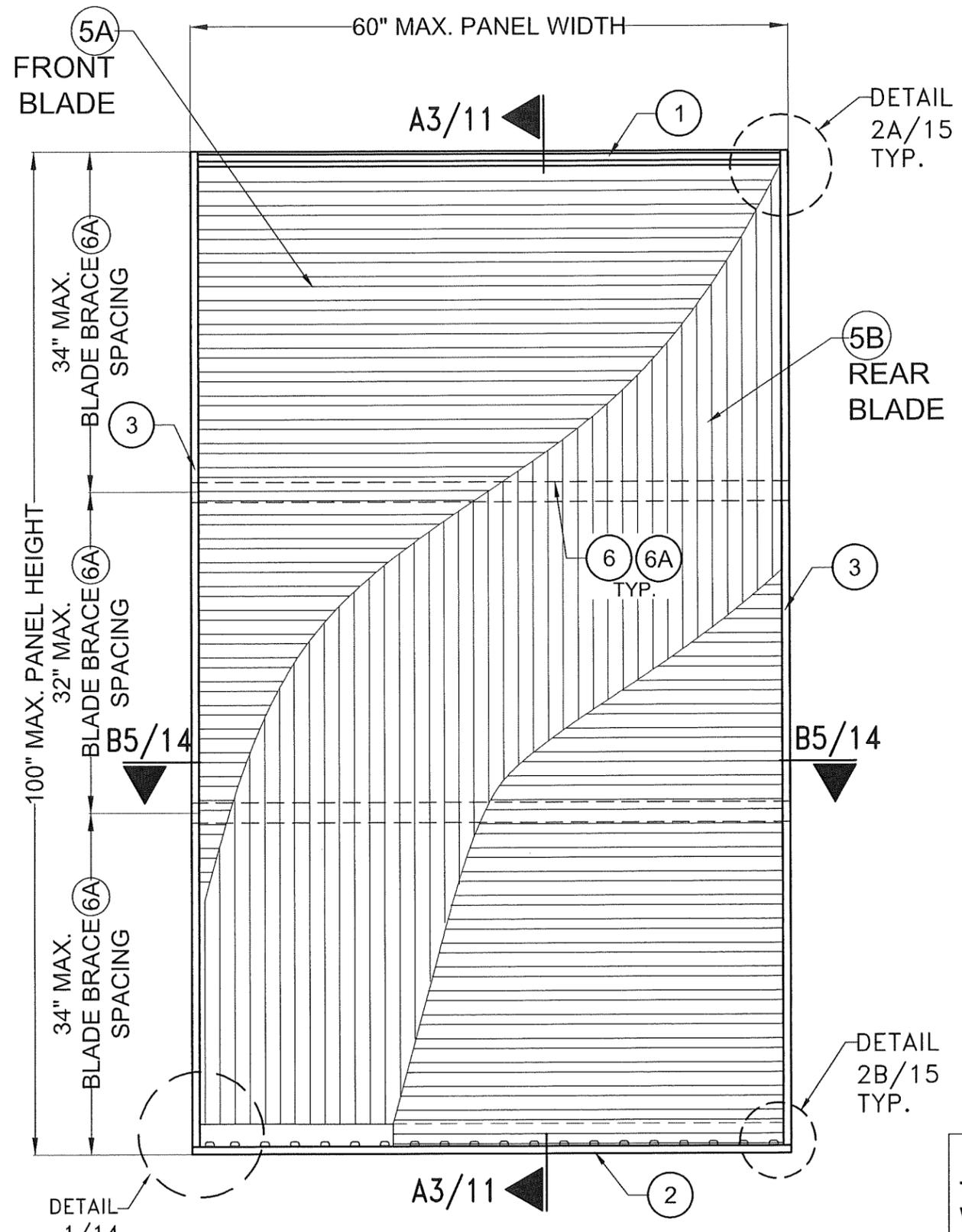
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 5 OF 15

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
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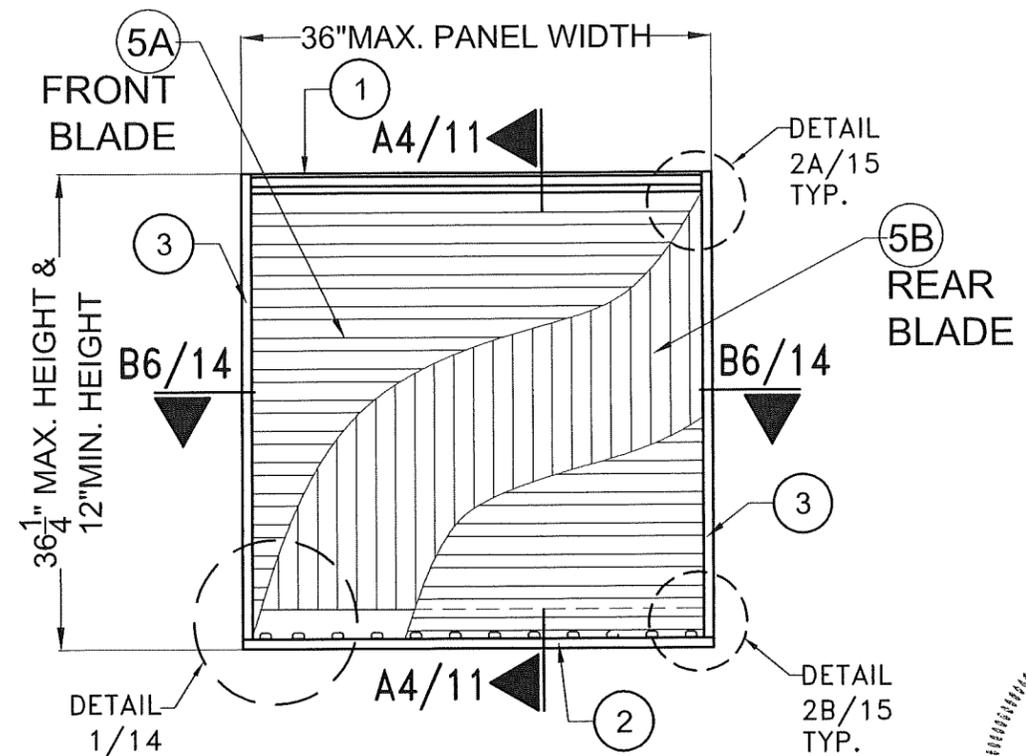


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By *[Signature]*
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MIAMI DADE COUNTY



**EXTERIOR ELEVATION SINGLE UNIT
W/ (6) & (6A) BLADE BRACE AT REAR BLADE (5B)*
(CURTAIN WALL INSTALLATION)
SCALE: N.T.S**



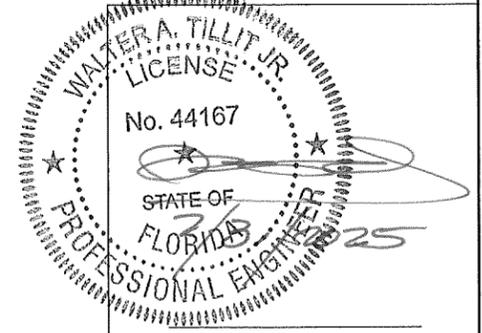
**EXTERIOR ELEVATION SINGLE UNIT
W/O (6) & (6A) BLADE BRACE
AT REAR BLADE (5B)*
(CURTAIN WALL INSTALLATION)
SCALE: N.T.S**

NOTE: *
THIS INSTALLATION FOR SINGLE LOUVER PANEL IS CLIPPED
W/ COMPONENT (10) TO CURTAIN WALLS. ALL AROUND.

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 6 OF 15

MODEL D-HV-5 HORIZONTAL & VERTICAL
LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

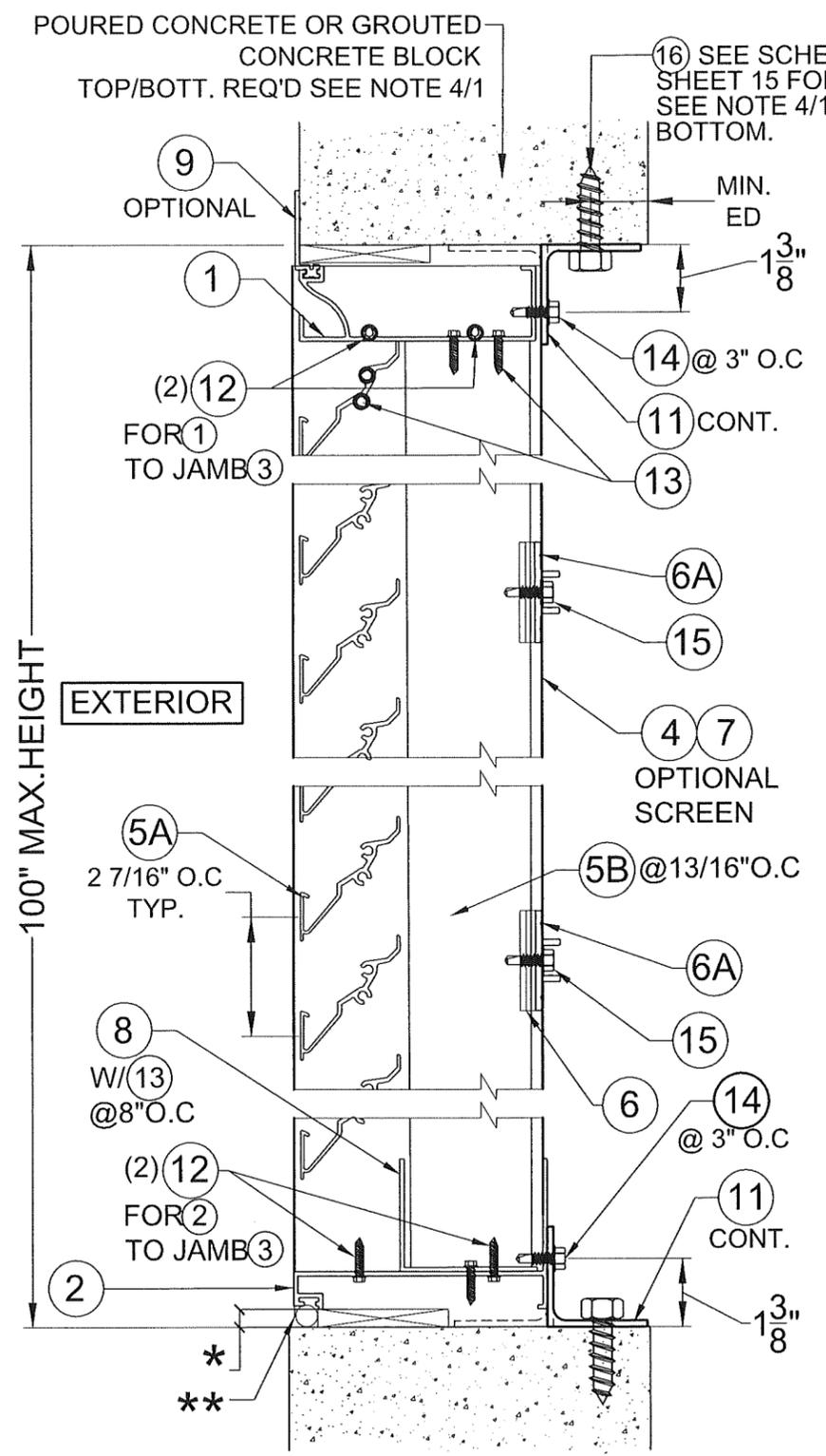
©2025 TILTECO, INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167



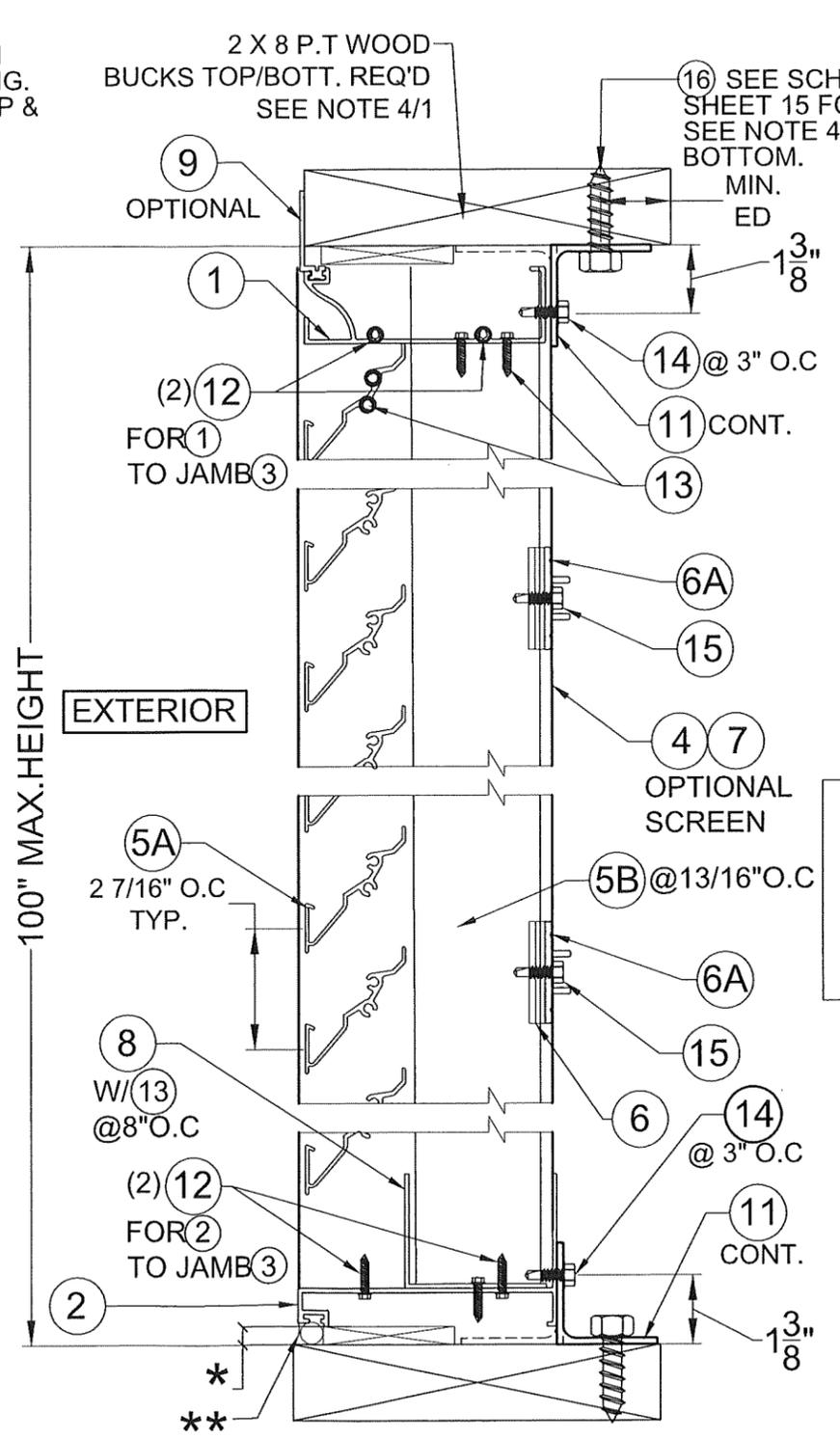
P.E. SEAL/SIGNATURE/DATE

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0819.01
Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY



**SECTION A1 W/ (6) & (6A):
CONCRETE OR GROUTED
CONCRETE BLOCK SUBSTRATE**
SCALE: N.T.S



**SECTION A1 W/ (6) & (6A):
WOOD SUBSTRATE**
SCALE: N.T.S

*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE (11) INSTALLATION)
**BACKER ROD & CAULK NOT SUPPLIED BY S&P

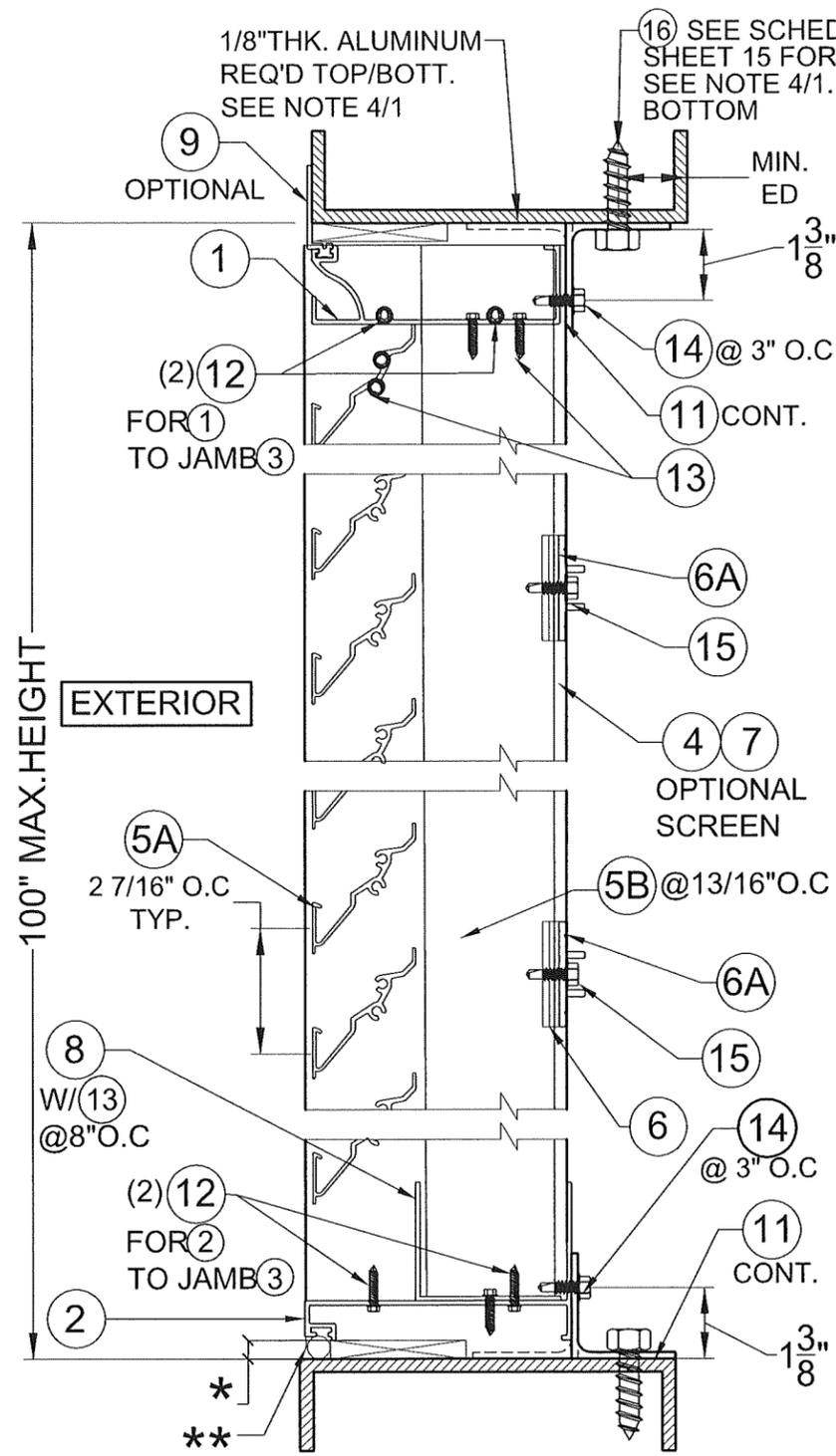
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 7 OF 15

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

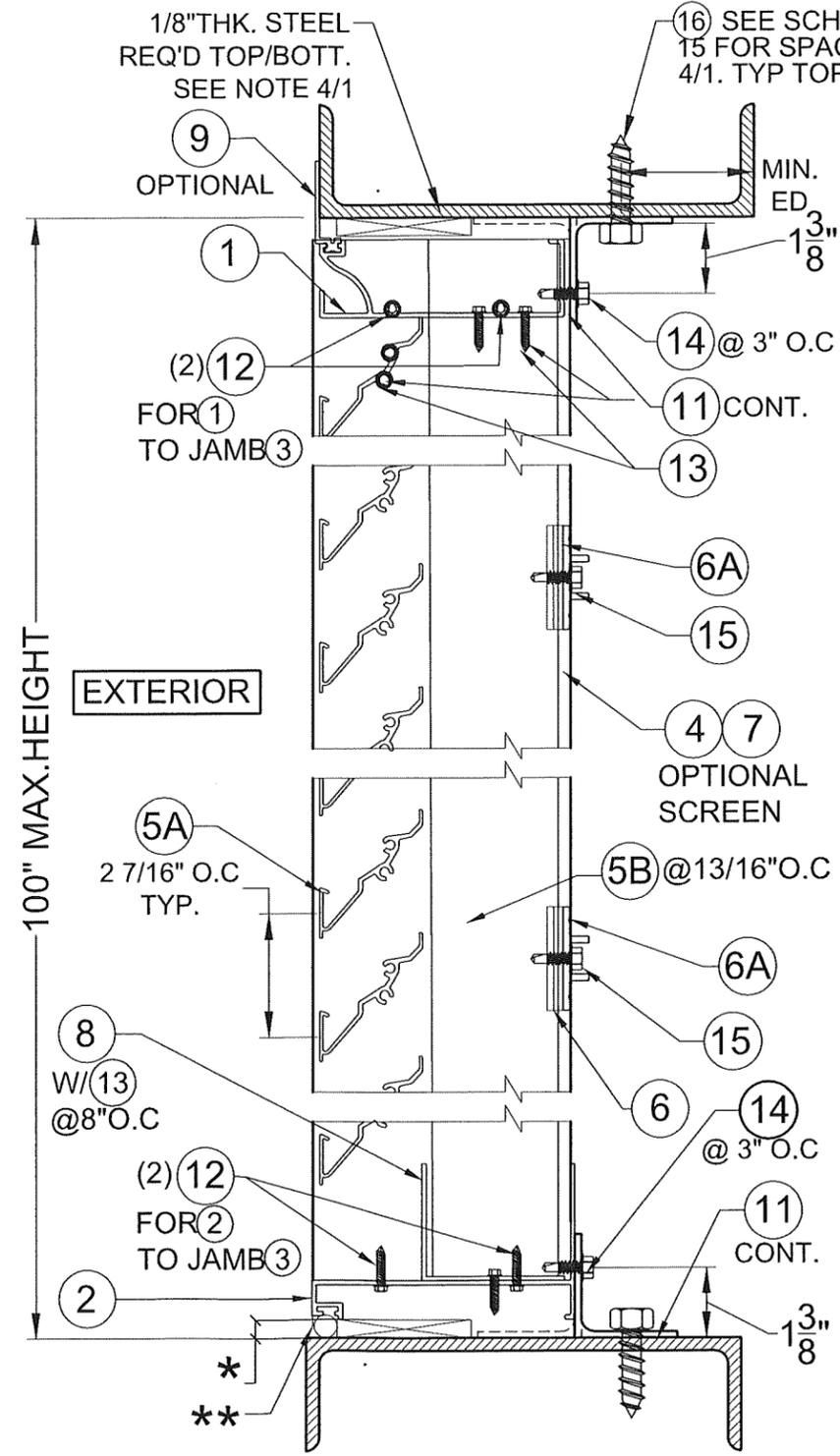
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FLORIDA Lic. # 44167

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
09/18/2025
P.E. SEAL/SIGNATURE/DATE

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NOA-No. 25-0819.01
Approval Date 09/18/2025
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Miami-Dade Product Control



**SECTION A1 W/ (6) & (6A):
ALUMINUM SUBSTRATE**
SCALE: N.T.S

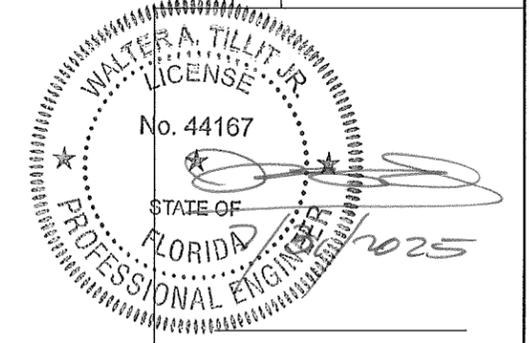


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STEEL SUBSTRATE**
SCALE: N.T.S

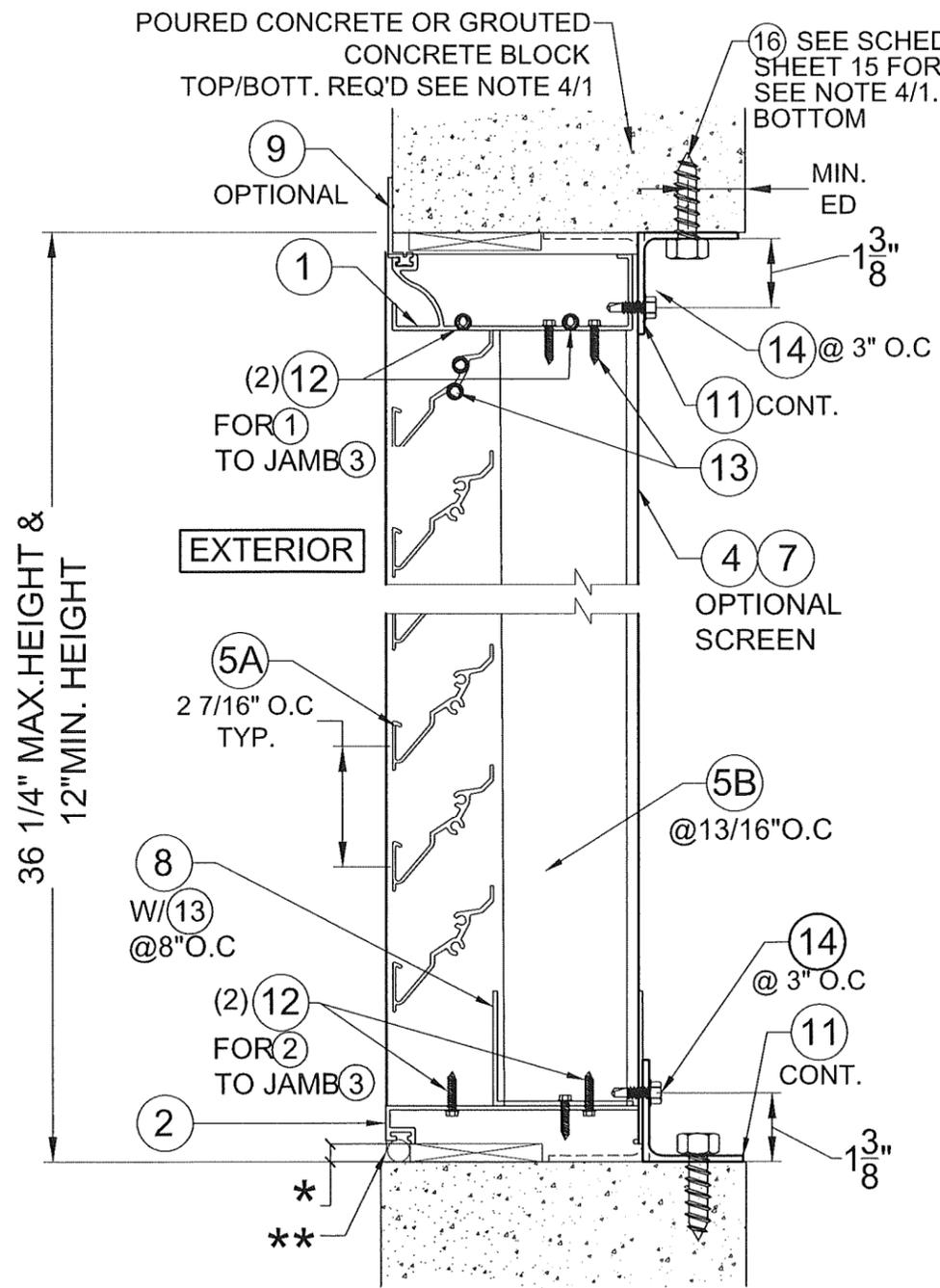
*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE (11) INSTALLATION)
**BACKER ROD & CAULK NOT SUPPLIED BY S&P

MODEL D-HY-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

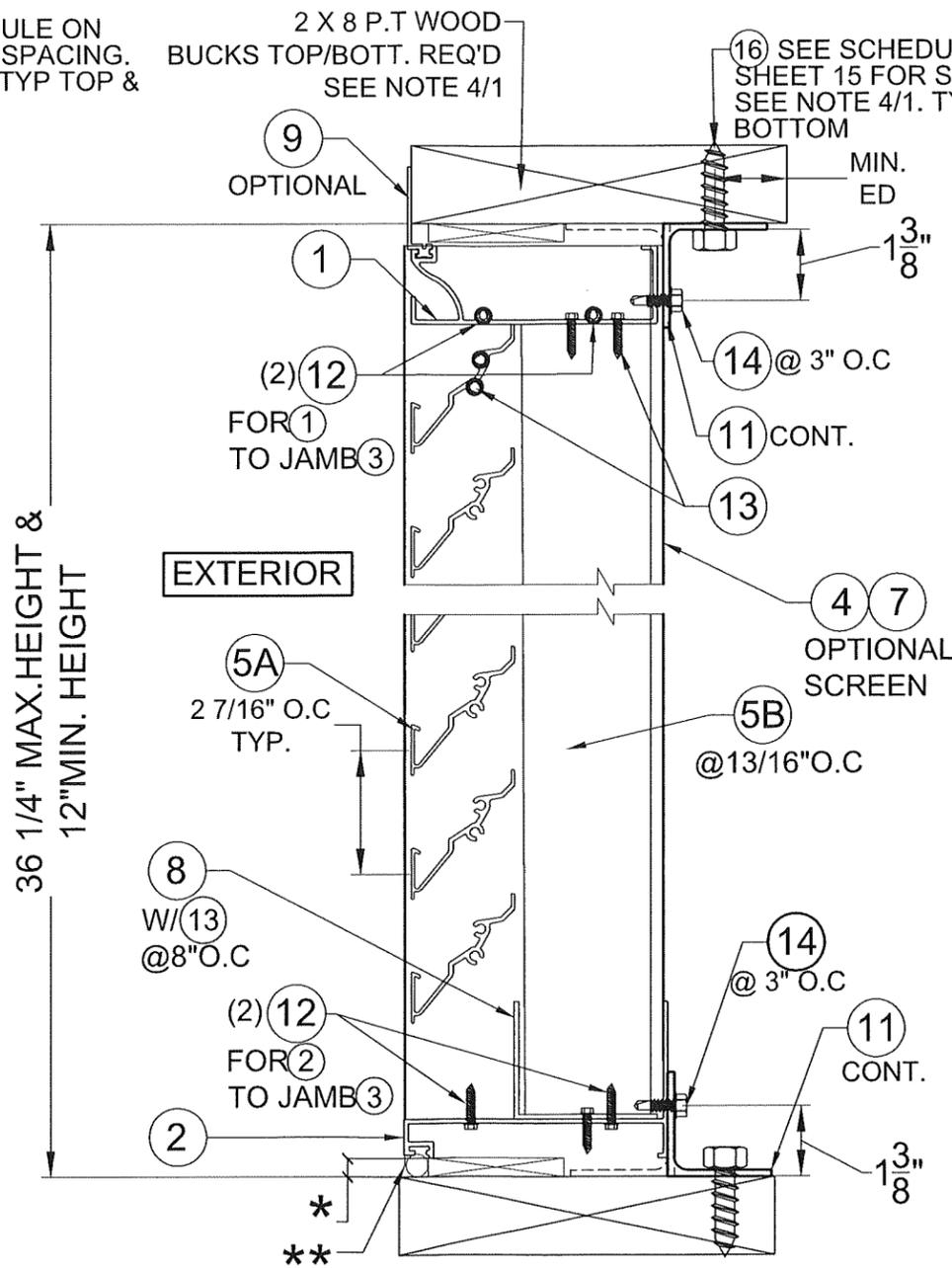
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Miami-Dade Product Control



**SECTION A2 W/O (6) & (6A):
CONCRETE OR GROUTED
CONCRETE BLOCK SUBSTRATE**
SCALE: N.T.S



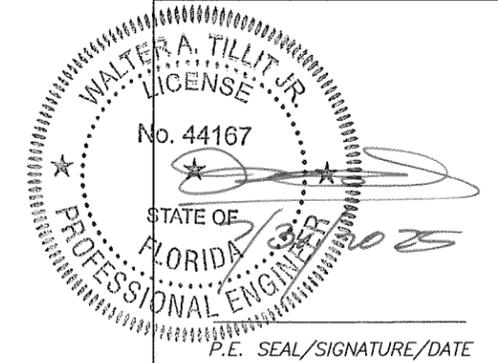
**SECTION A2 W/O (6) & (6A):
WOOD SUBSTRATE**
SCALE: N.T.S

*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE (11) INSTALLATION)
**BACKER ROD & CAULK NOT SUPPLIED BY S&P

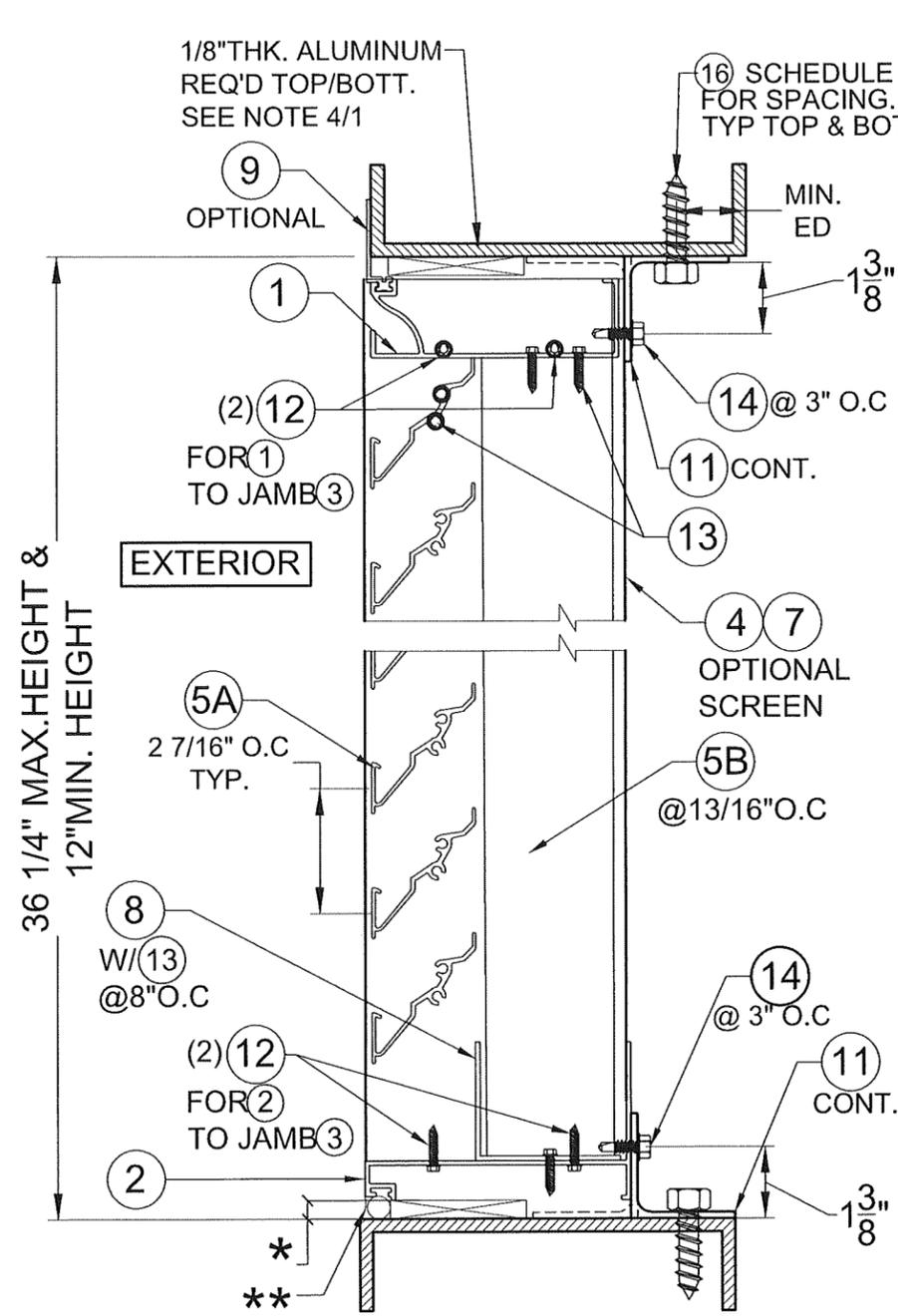
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 9 OF 15

MODEL D-HY-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

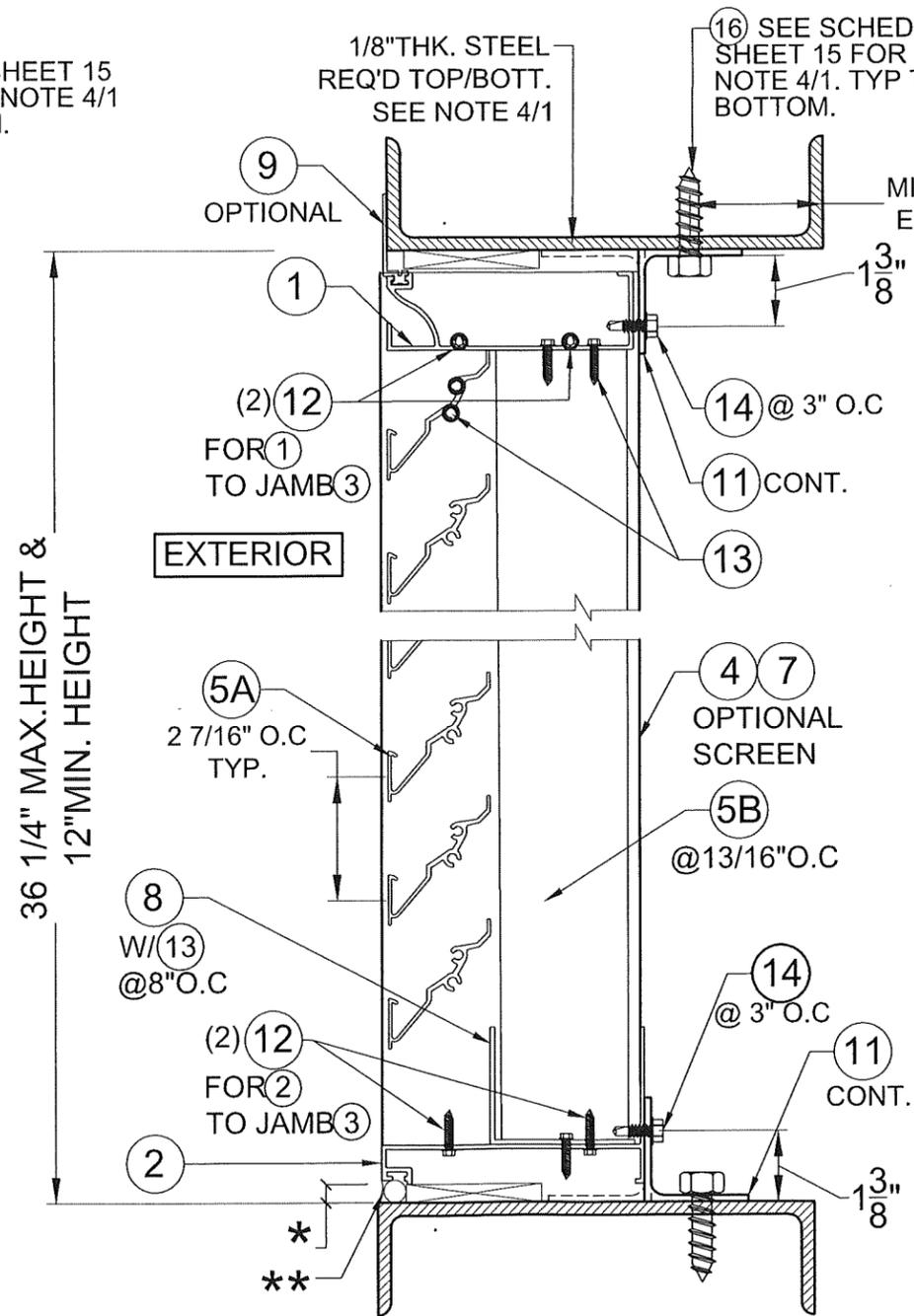
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Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control



**SECTION A2 W/O (6) & (6A):
ALUMINUM SUBSTRATE**
SCALE: N.T.S



**SECTION A2 W/ (6) & (6A):
STEEL SUBSTRATE**
SCALE: N.T.S

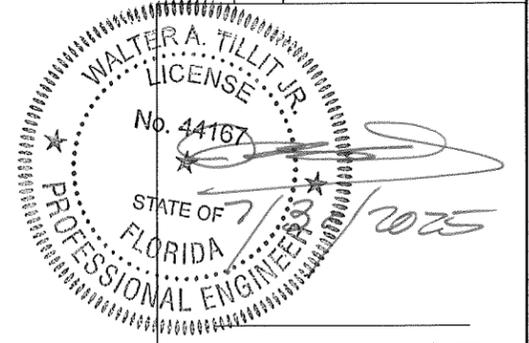
*MAX. 3/8" ALLOWABLE SHIM SPACE (REQUIRED FOR MOUNTING ANGLE (11) INSTALLATION)
**BACKER ROD & CAULK NOT SUPPLIED BY S&P

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
W.H. DRAWN BY: 03/24/2025 DATE:
25-022 DRAWING NO.
SHEET 10 OF 15

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT
S&P AIR CONTROL, LLC.
3005 South Hickory St.
Chattanooga, TN 37407

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
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2			4		

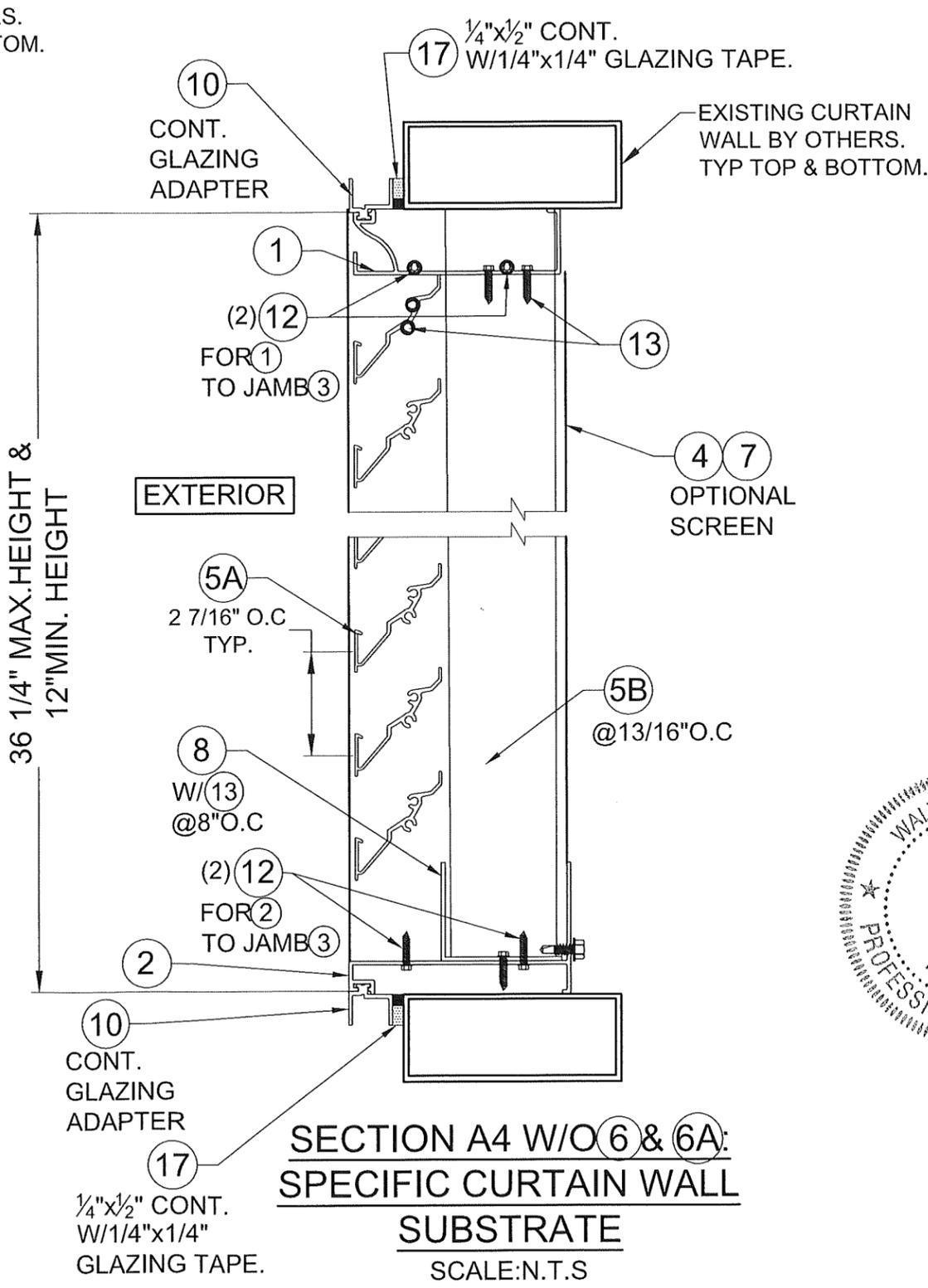
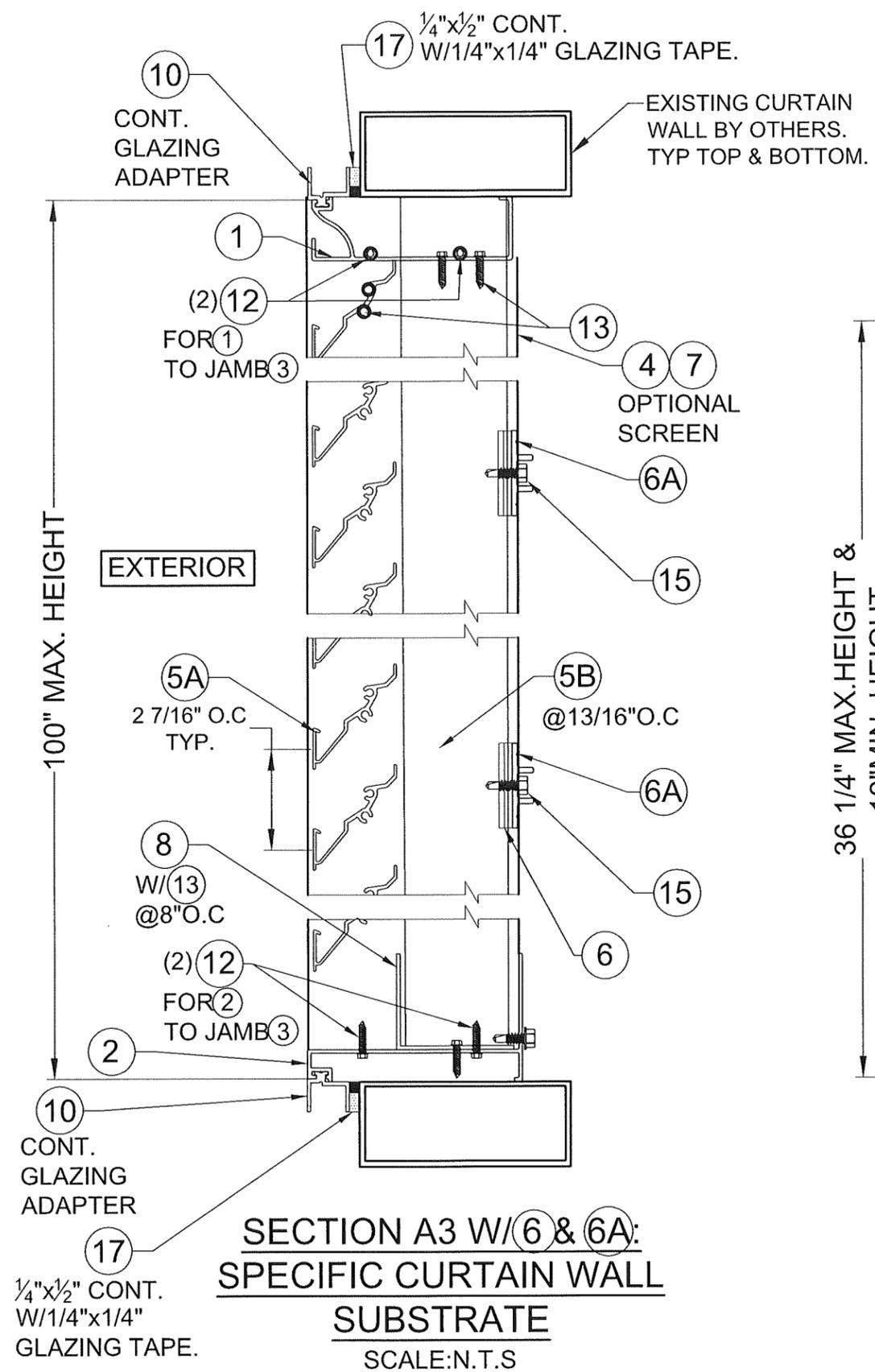
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MIAMI DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING NO. SHEET 11 OF 15

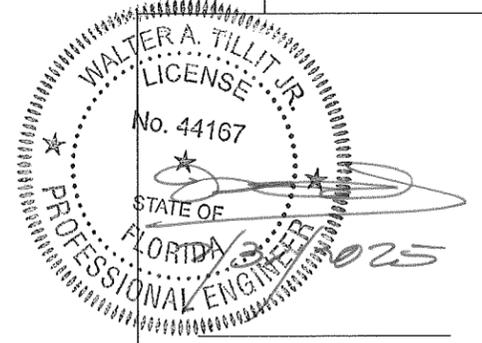
MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

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Chattanooga, TN 37407

REV. NO.	DATE	DESCRIPTION
1		
2		
3		
4		

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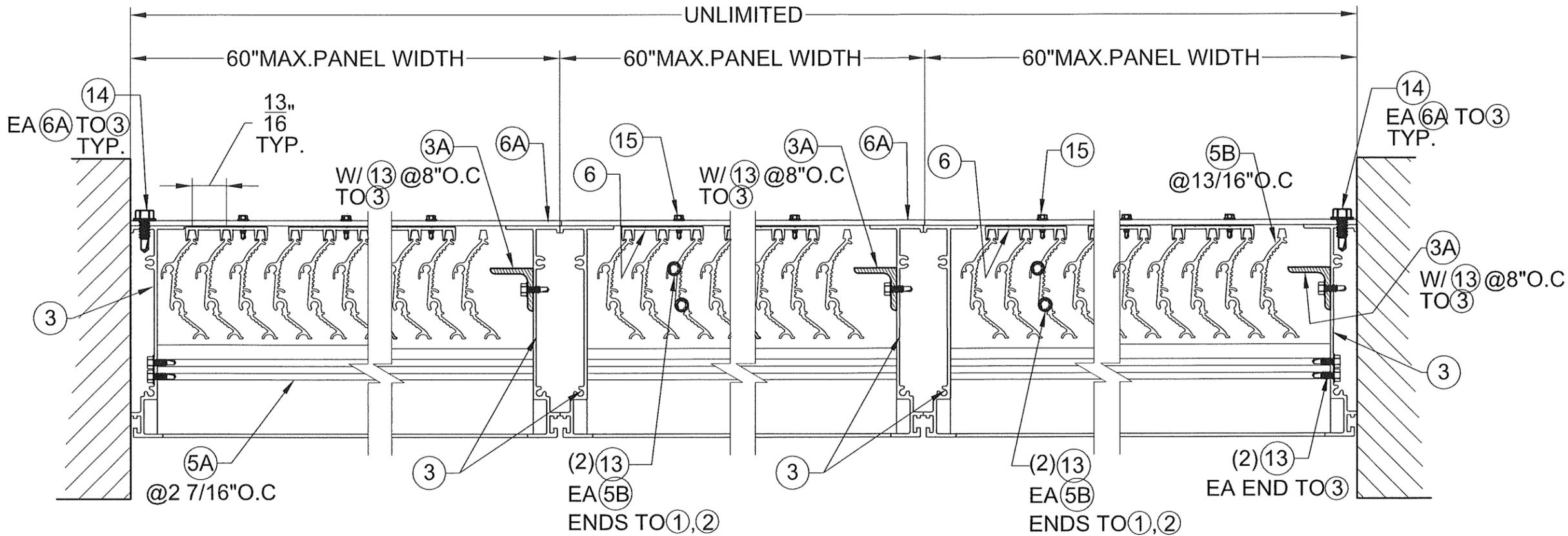
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6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530, Fax: (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167



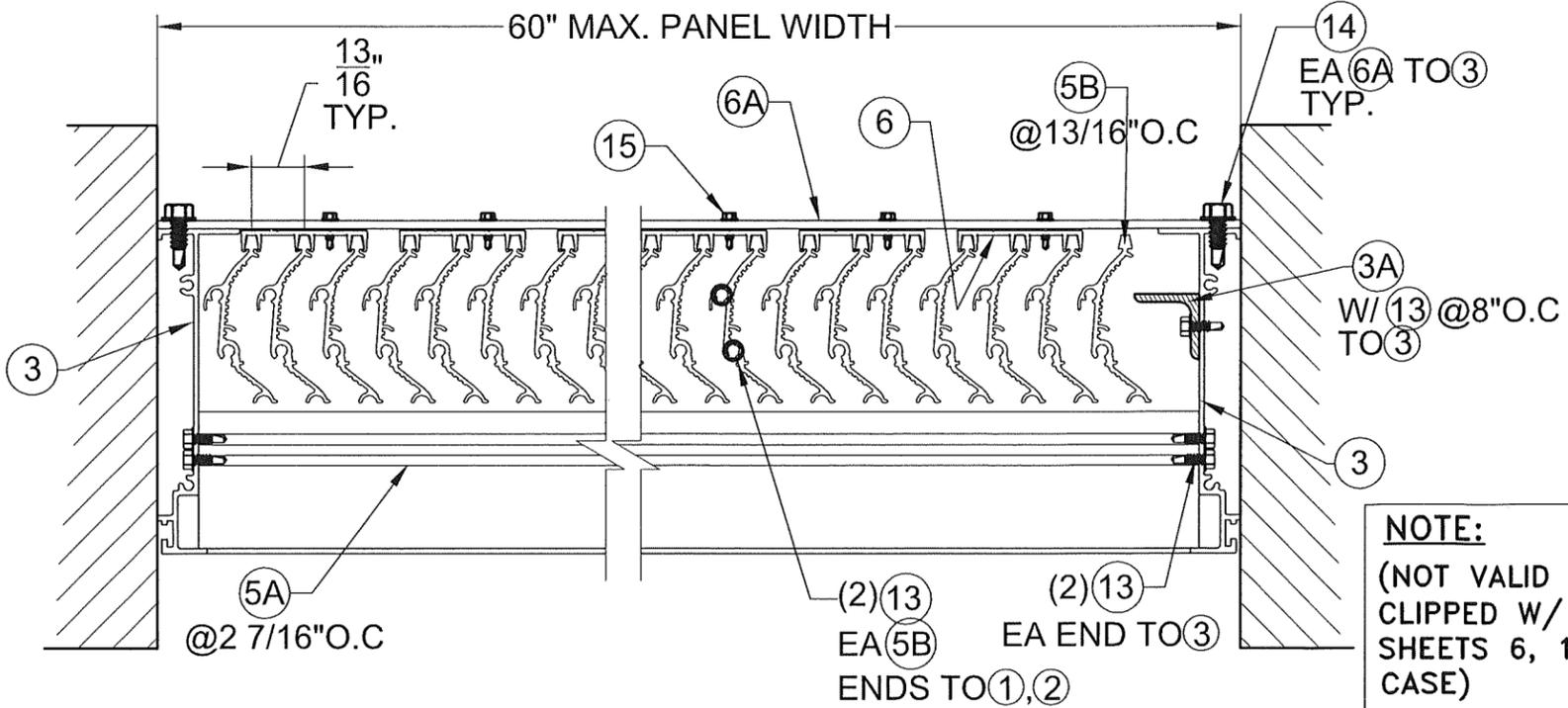
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Miami-Dade Product Control

MIAMI DADE COUNTY



SECTION B1 W/ (6) & (6A): MULTIPLE PANELS W/(11) (NOT SHOWN)*
SCALE:N.T.S



SECTION B2 W/ (6) & (6A): SINGLE PANELS W/(11) (NOT SHOWN)*
SCALE:N.T.S

NOTE:
(NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. SEE SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER CASE)

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

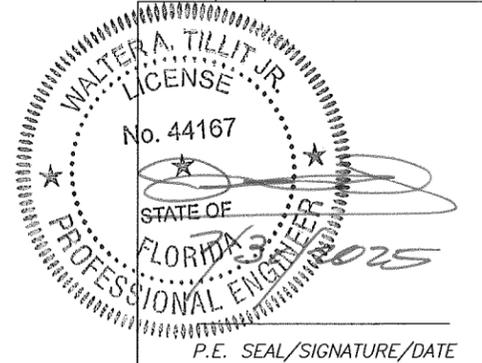
S&P AIR CONTROL, LLC.
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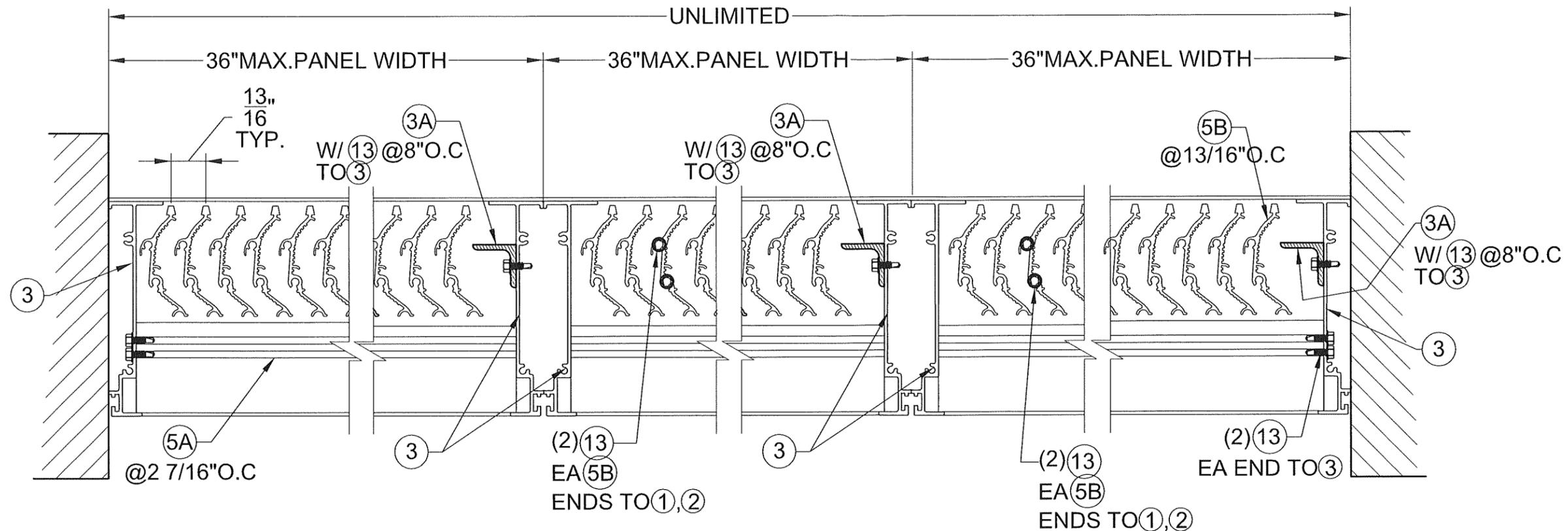
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Phone : (305)971-1530 . Fax : (305)971-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

REV. NO	DATE	DESCRIPTION
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2	-	-
3	-	-
4	-	-

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 12 OF 15



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Approval Date 09/18/2025
By *[Signature]*
Miami-Dade Product Control

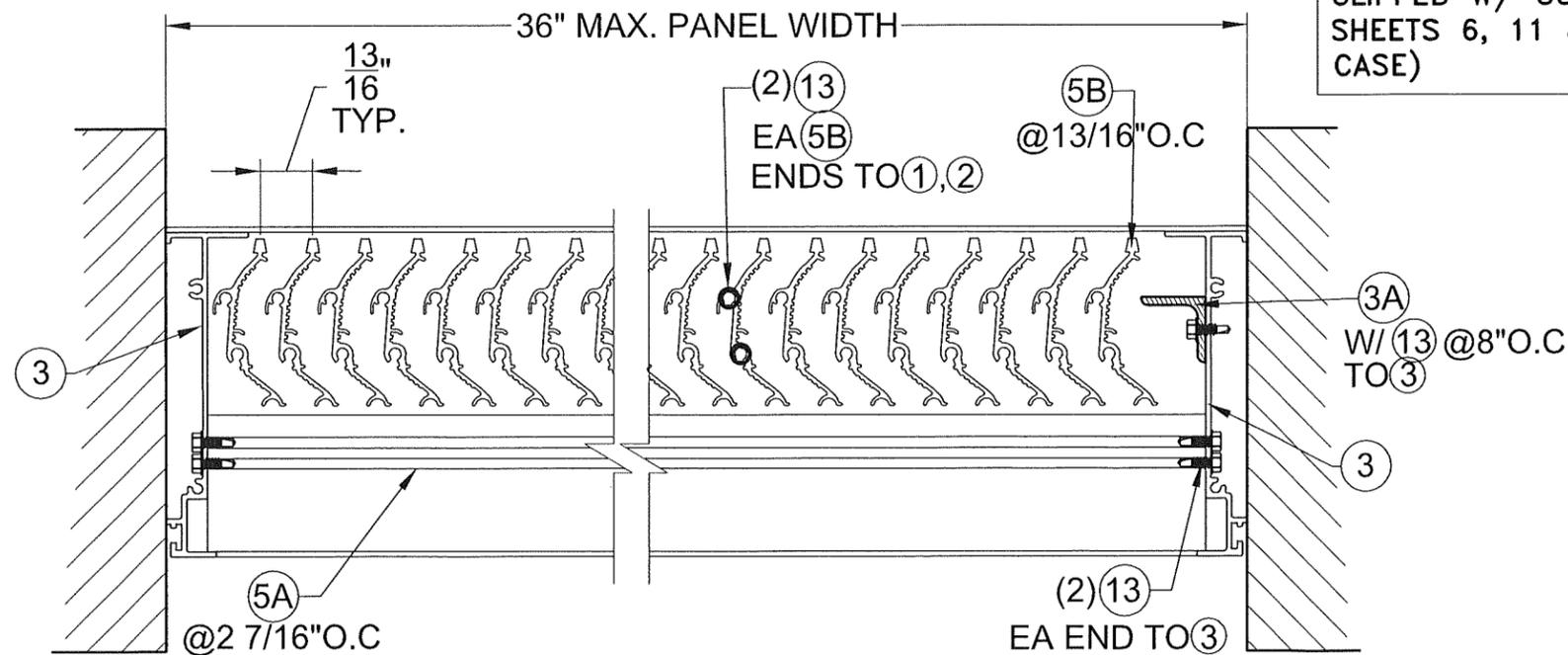


SECTION B3 W/O (6) & (6A): MULTIPLE PANELS W/(11) (NOT SHOWN)*

SCALE:N.T.S

NOTE:

(NOT VALID FOR INSTALLATION WHERE LOUVER PANEL IS CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. SEE SHEETS 6, 11 & 14 FOR DETAILS COVERING THIS LATTER CASE)



SECTION B4 W/O (6) & (6A): SINGLE PANELS W/(11) (NOT SHOWN)*

SCALE:N.T.S

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

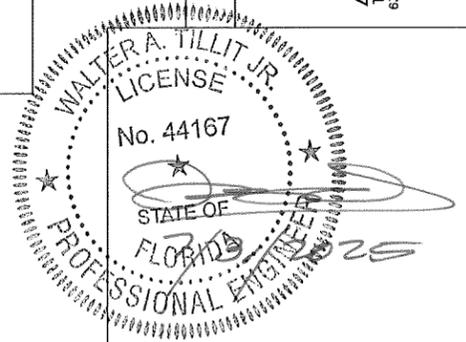
MODEL D-HY-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

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Chattanooga, TN 37407

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 13 OF 15

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CA-0006719
WALTER A. TILLIT JR., P.E.
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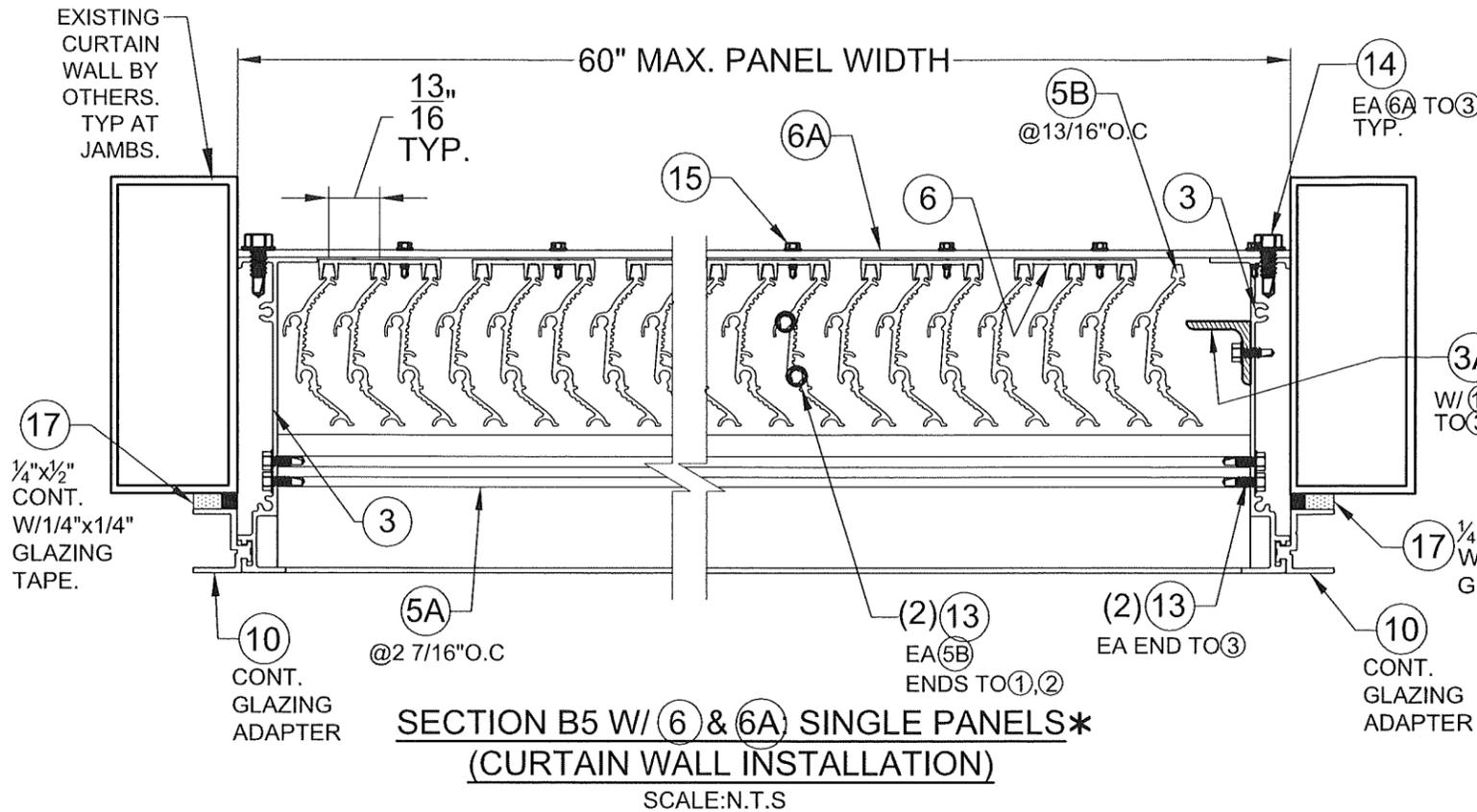
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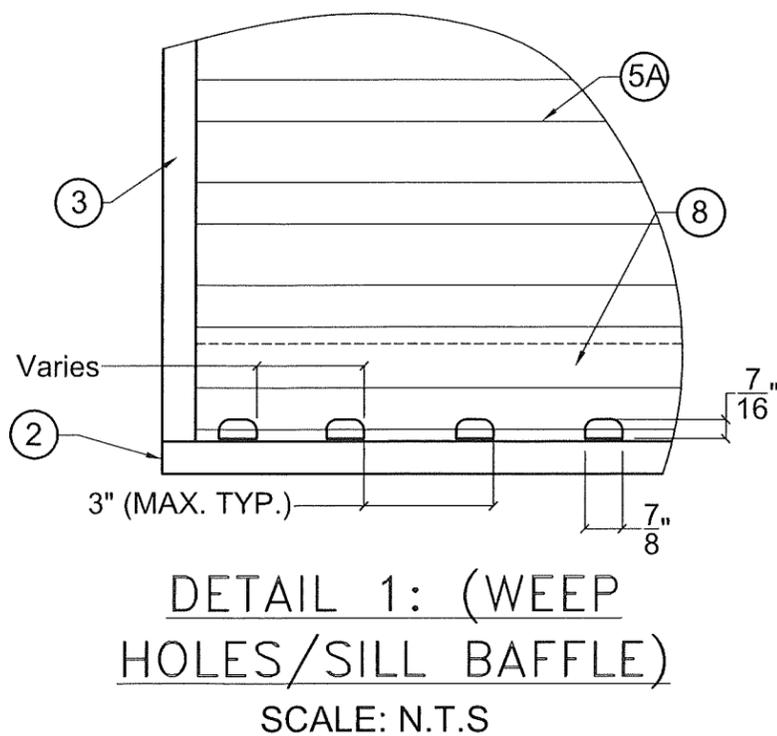
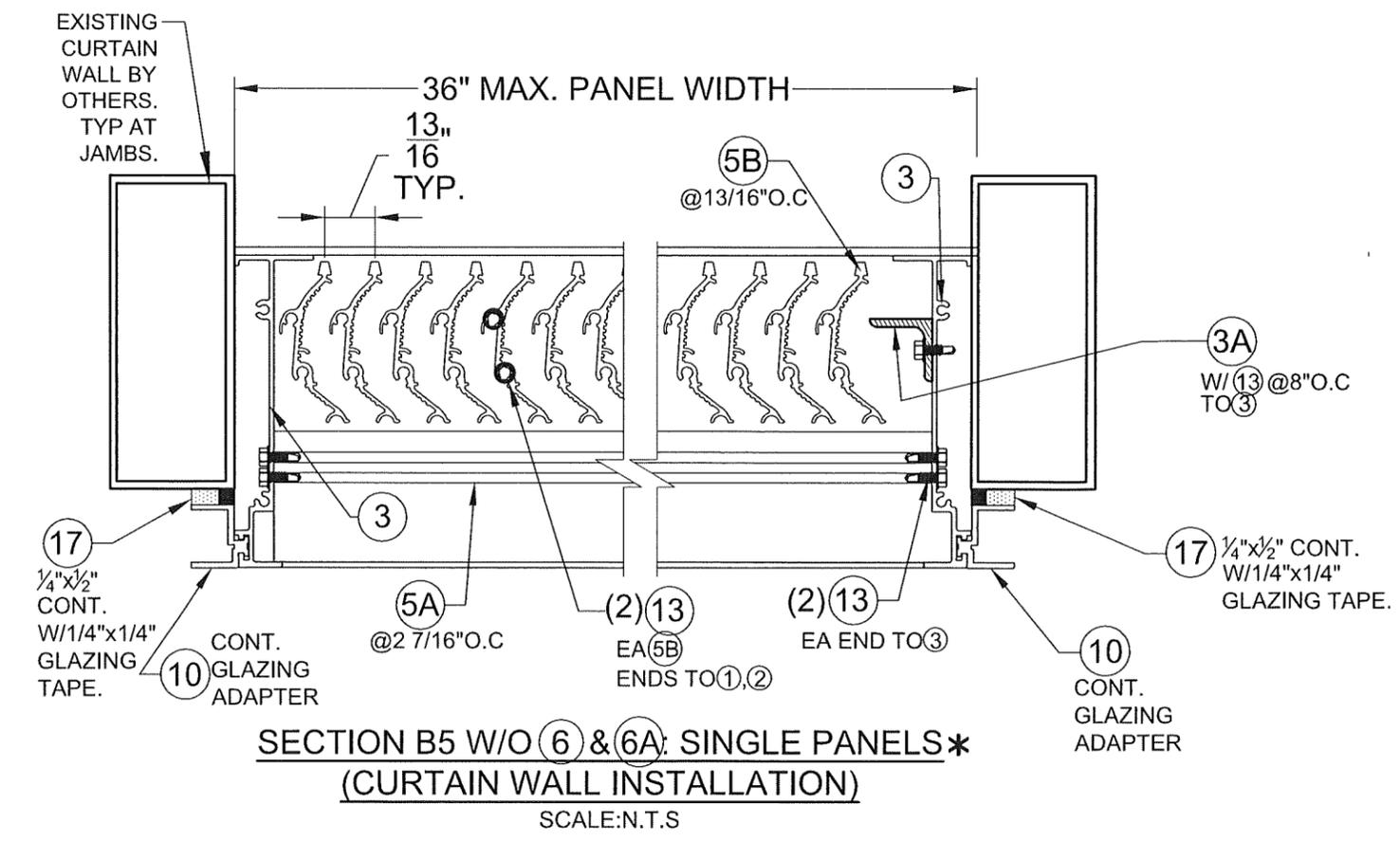
Approval Date 09/18/2025

By *[Signature]*
Miami-Dade Product Control

MIAMI DADE COUNTY



NOTE: *
 THIS INSTALLATION FOR SINGLE LOUVER PANEL IS CLIPPED W/ COMPONENT (10) TO CURTAIN WALLS. ALL AROUND.



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 03/24/2025 DATE: 25-022 DRAWING No. SHEET 14 OF 15

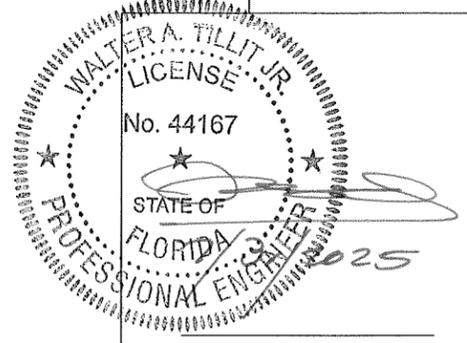
MODEL D-HV-5 HORIZONTAL & VERTICAL LOUVER SYSTEM LARGE MISSILE IMPACT RESISTANT

S&P AIR CONTROL, LLC.
 3005 South Hickory St.
 Chattanooga, TN 37407

REV. NO.	DATE	DESCRIPTION
1	-	-
2	-	-
3	-	-
4	-	-

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 CA-0006719
 WALTER A. TILLIT JR. P.E.
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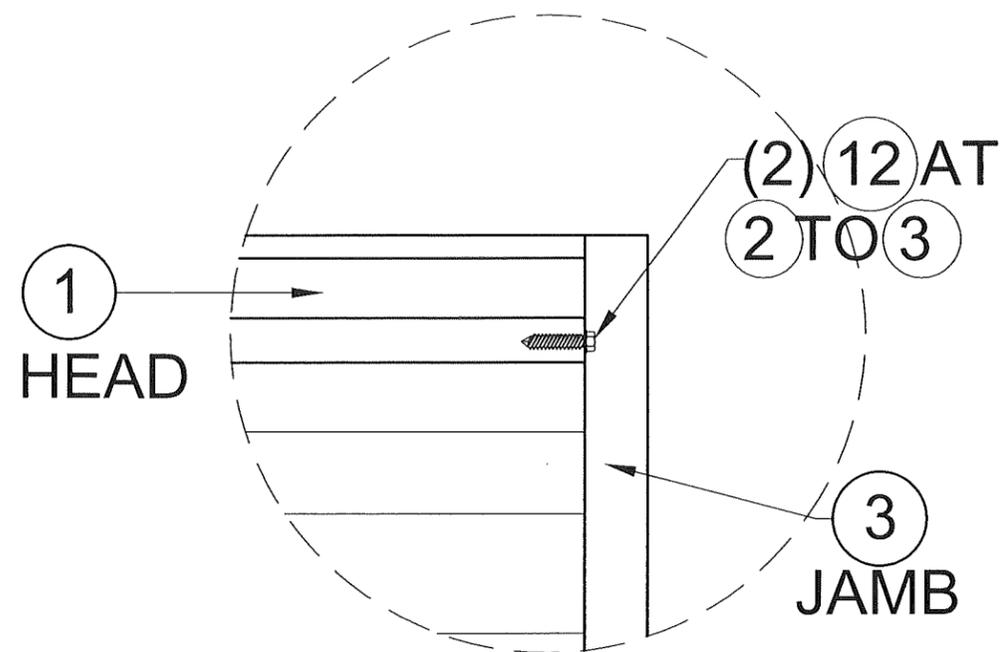
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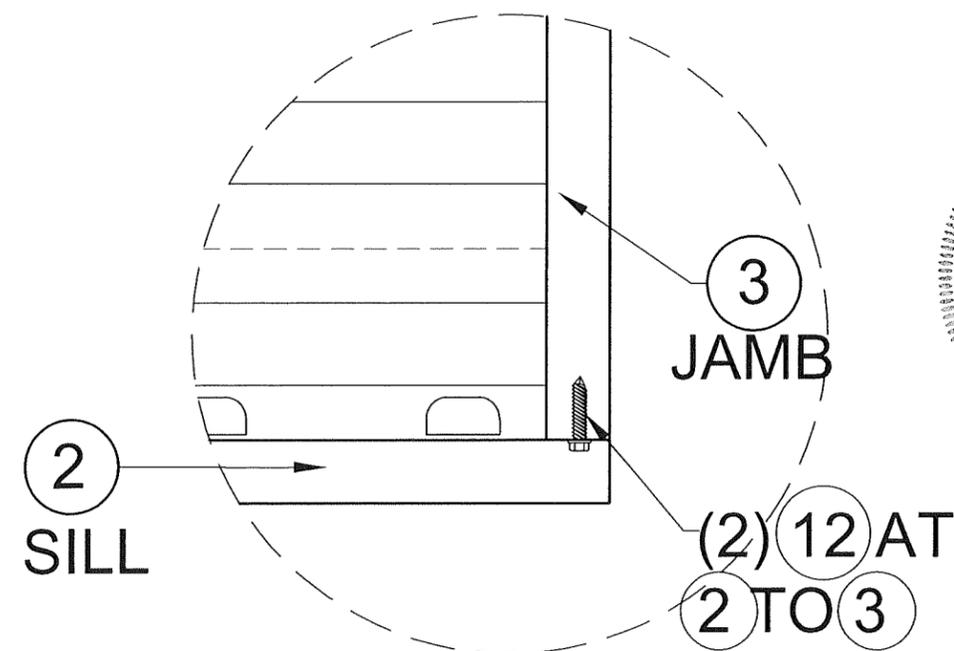
MIAMI DADE COUNTY

MAX. ANCHOR (16) SPACING SCHEDULE AS PER NOTE 4/1
 AT INSTALLATION WITH SINGLE & MULTIPLE PANELS
 W/ ANGLE (11) PER SECTIONS A1 & A2 (TOP & BOTTOM)

A.S.D. DESIGN LOAD (p.s.f.)	MAX. UNIT HEIGHT (FT)	SUBSTRATE		
		POURED CONCRETE OR GROUTED CONCRETE BLOCK	ALUMINUM OR STEEL	WOOD
≤ 75.0	≤ 5'-0"	6" O.C.	6" O.C.	6" O.C.
	> 5'-0" - 8'-4"	6" O.C.	6" O.C.	3 1/2" O.C.
>75-110	≤ 5'-0"	6" O.C.	6" O.C.	4" O.C.
	>5'-0" - 8'-4"	6" O.C.	6" O.C.	N/A



DETAIL 2A: PANEL ASSEMBLY
 SCALE: N.T.S



DETAIL 2B: PANEL ASSEMBLY
 SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

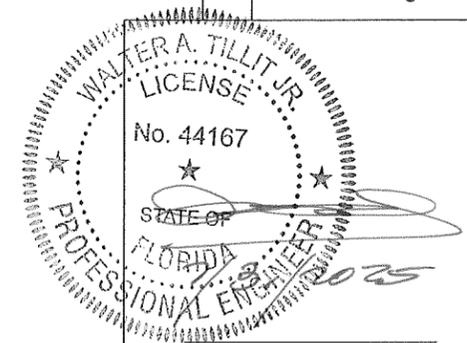
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 Chattanooga, TN 37407

W.H. DRAWN BY:
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25-022 DRAWING No.
 SHEET 15 OF 15

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