



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

Greenheck Fan Corporation
P.O. Box 410
Schofield, WI 54476

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 ESD-635PD Aluminum Penthouse Louver

APPROVAL DOCUMENT: Drawing No.ESD-635PD, titled "ESD-635PD", sheets 1 through 15 of 15, dated 04/12/2023, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 revises NOA # 23-0425.01 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

Ishag I. Chank

12/14/23



NOA No 23-1026.07
Expiration Date: June 19, 2028
Approval Date: December 14, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS “Submitted under NOA # 08-0505.05”

1. Drawing No. **ESD-635PD**, titled “ESD-635PD, Isometric Views, Plan View, Details, Optional Hood and Curb, Elevation and Itemized Parts Listing”, sheets 1 through 11 of 11, dated 04/03/2008, prepared by Rice Engineering, signed and sealed by L. David Rice, P.E.

B. TESTS “Submitted under NOA # 08-0505.05”

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
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile testing per ASTM E8-03
5) Indentation hardness per ASTM B647-84(2006)
along with marked-up drawings and installation diagram of Series/Model EHH-601PD / ESD-635 combination, severe duty louvered enclosure, prepared by Architectural Testing, Inc., Test Report No. **77229.01-602-18**, dated 03/20/2008, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS “Submitted under NOA # 08-0505.05”

1. Structural calculations prepared by Rice Engineering, dated 04/09/2008, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

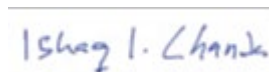
1. None.

F. STATEMENTS “Submitted under NOA # 16-0201.04”

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rice Engineering, dated 01/11/2016, signed and sealed by L. David Rice, P.E.

“Submitted under NOA # 13-0510.05”

2. Statement letter of code conformance to 2010 FBC issued by Rice Engineering, dated 05/01/2013, signed and sealed by L. David Rice, P.E.
3. Statement letter of no financial interest issued by Rice Engineering, dated 05/01/2013, signed and sealed by L. David Rice, P.E.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 23-1026.07
Expiration Date: June 19, 2028
Approval Date: December 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 18-0314.01

A. DRAWINGS

1. Drawing No. **ESD-635PD**, titled “ESD-635PD, Isometric Views, Plan View, Details, Optional Hood and Curb, Elevation and Itemized Parts Listing”, sheets 1 through 11 of 11, dated 04/03/2008, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E. on 02/06/2018.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

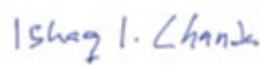
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by Rice Engineering, dated 02/06/2018, signed and sealed by Wayne Helmila, P.E.
2. Statement letter of no financial interest issued by Rice Engineering, dated 02/06/2018, signed and sealed by Wayne Helmila, P.E.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 23-1026.07
Expiration Date: June 19, 2028
Approval Date: December 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **ESD-635PD**, titled “ESD-635PD”, sheets 1 through 15 of 15, dated 04/12/2023, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, 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
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Model EHH-601PD/ESD-635PD combination louvered penthouse, prepared by Quast Consulting Testing, Inc., Test Report No. **QCT23-6937.01**, dated 04/03/2023, signed and sealed by Arlen Fisher, P.E.

C. CALCULATIONS

1. Structural calculations, prepared by Rice Engineering, dated 04/05/2023, 04/10/2023, and 04/11/2023, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

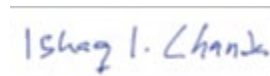
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by Rice Engineering, dated 04/11/2023, signed and sealed by Wayne K. Helmila, P.E.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 23-1026.07
Expiration Date: June 19, 2028
Approval Date: December 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS (submitted under previous approval)

1. Drawing No. **ESD-635PD**, titled “ESD-635PD”, sheets 1 through 15 of 15, dated 04/12/2023, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.

B. TESTS (submitted under previous approval)

1. None.

C. CALCULATIONS (submitted under previous approval)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

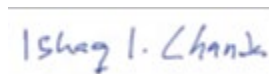
1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC and of no financial interest, issued by Rice Engineering, dated 10/17/2023, signed and sealed by Wayne K. Helmila, P.E
2. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by Rice Engineering, dated 04/11/2023, signed and sealed by Wayne K. Helmila, P.E. (submitted under previous approval)

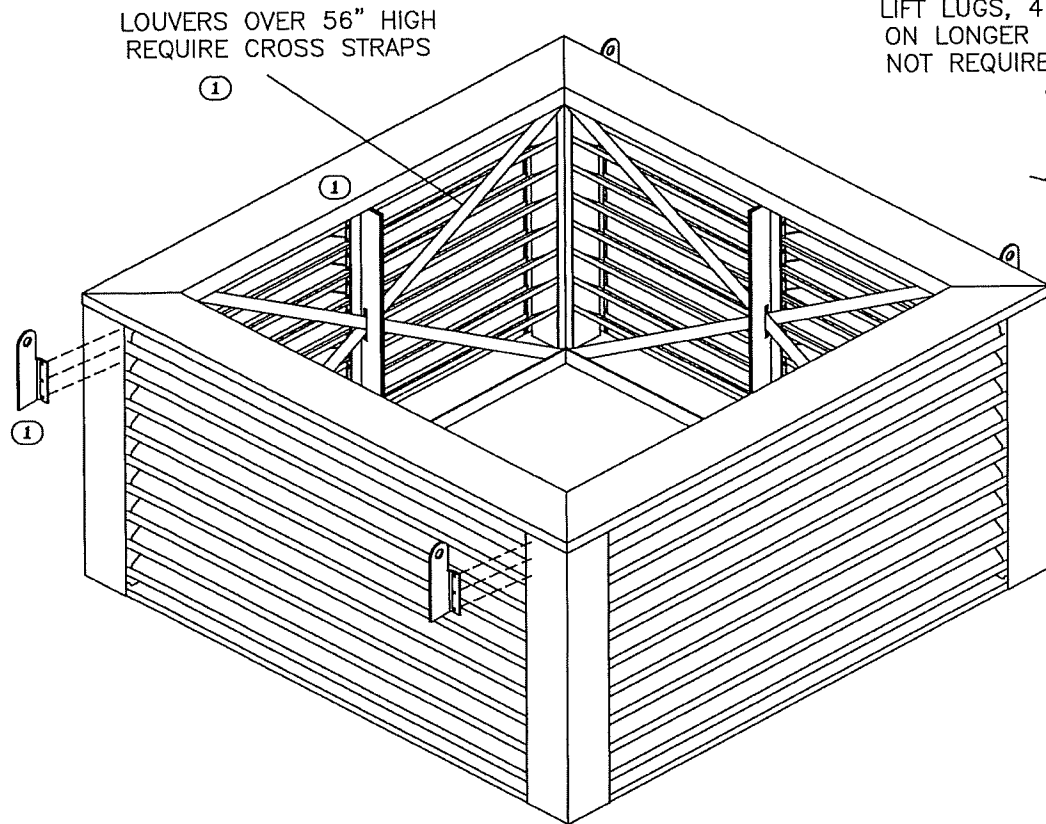
G. OTHER

1. This NOA **revises NOA # 23-0425.01** and updates to FBC 2023, expiring 06/19/2028.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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EXAMPLE OF PENTHOUSE
WITHOUT OPTIONAL HOOD



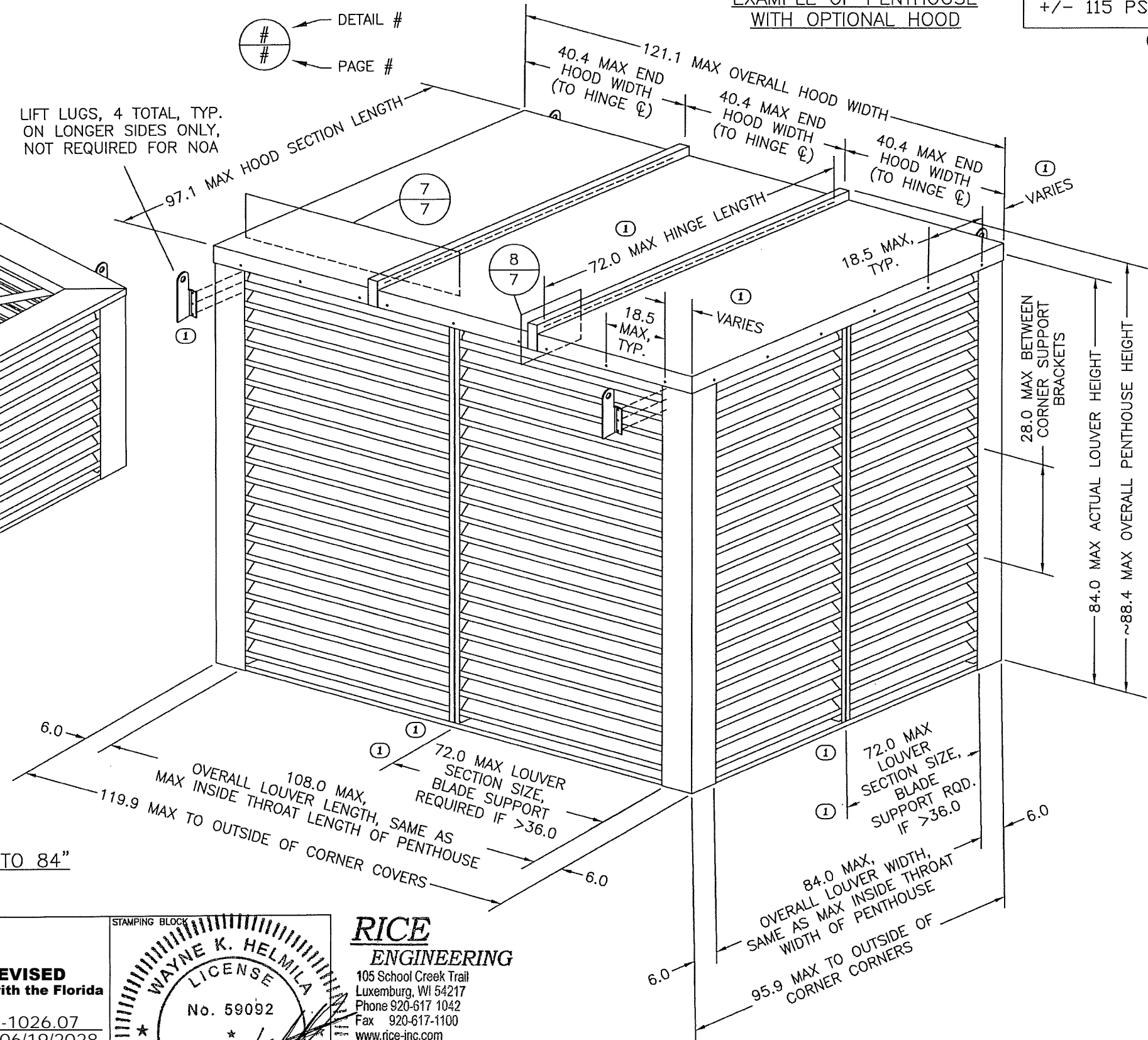
STANDARD, OVERALL, MIN, & MAX
DIMENSIONS & SECTIONS ARE
SAME FOR PENTHOUSES WITH
AND WITHOUT OPTIONAL HOOD.

LOUVER HEIGHTS AVAILABLE UP TO 84"

LIFT LUGS, 4 TOTAL, TYP.
ON LONGER SIDES ONLY,
NOT REQUIRED FOR NOA

97.1 MAX HOOD SECTION LENGTH

EXAMPLE OF PENTHOUSE
WITH OPTIONAL HOOD



DESIGN PRESSURE
RATING
+/- 115 PSF

DATE 4/12/23
DRAWN BY MES
SCALE
SHEET NO. 1 OF 15
CAD DRAWING NO. ESD-635PD

GREENHECK
P.O. BOX 410, SCHOFIELD, WISCONSIN 54476-0410
P 715-359-6171
F 715-355-6515
LOUVERS@GREENHECK.COM

MODEL: ESD-635PD
DESC: ISOMETRIC VIEWS

REVISIONS:
① 4/12/23: ADDED DESIGN PRESSURE, ADDED CROSS STRAPS, UPDATED BLADE SUPPORT PROFILE, ADDED LIFT LUGS, INCREASED MAX HINGE LENGTH, HOOD CORNER FASTENER OFFSET NOW VARIES, MULLIONS NOW CENTERED IN LOUVER SPAN, ADDED SUPPORT DIMENSION INFORMATION TO MAX LOUVER SECTION DIMENSION, AND ON ALL PAGES UPDATED DETAIL CALL-OUT NUMBERS AND ADDED STAMPING BOXES.

STAMPING BLOCK	STAMPING BLOCK	STAMPING BLOCK	STAMPING BLOCK
		PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-1026.07 Expiration Date 06/19/2028 By <i>Ishag I. Chande</i> Miami-Dade Product Control	<p>WAYNE K. HELMILA LICENSE No. 59092 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>

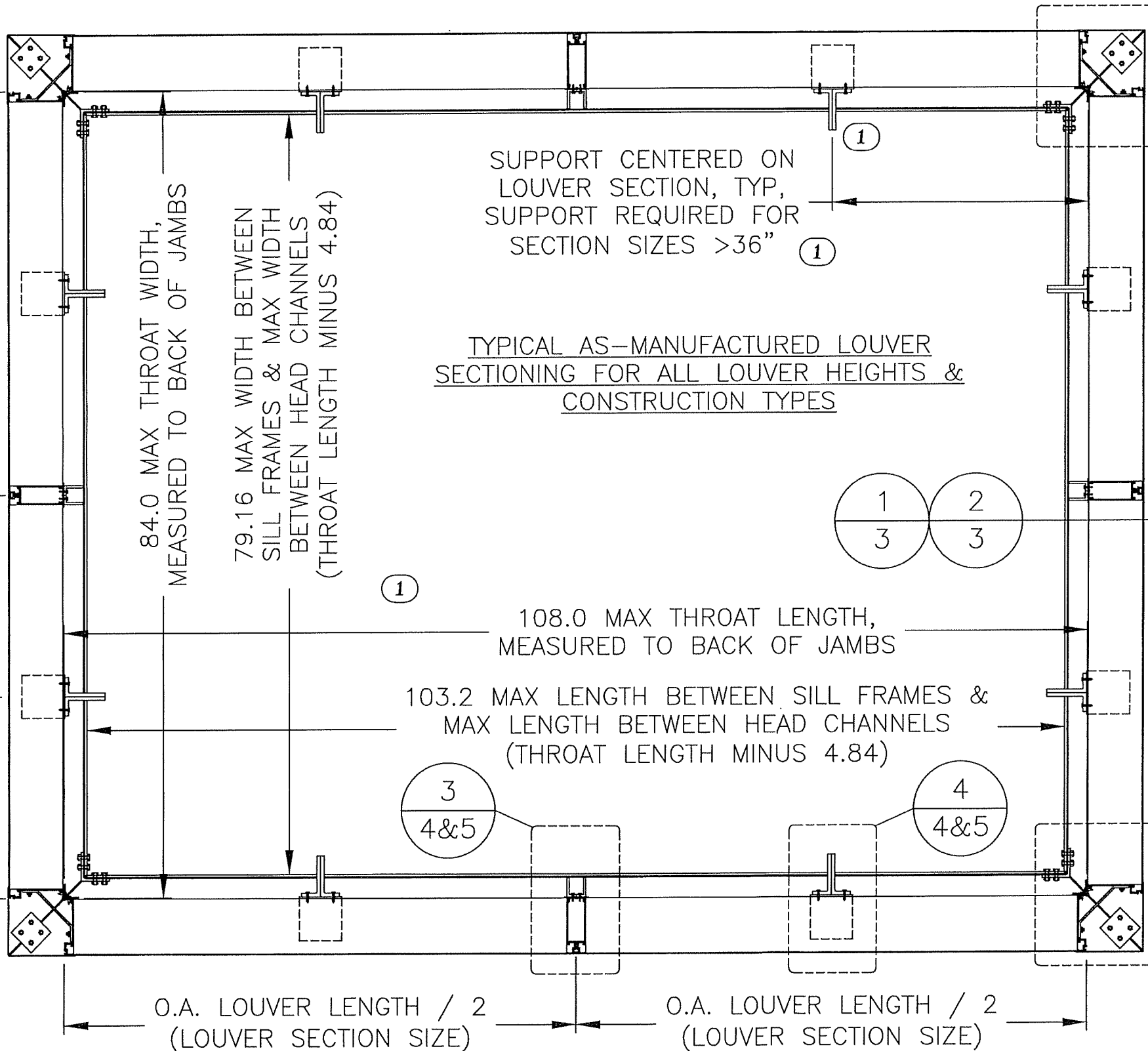
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone 920-617 1042
Fax 920-617-1100
www.rice-inc.com
Florida Firm No. F-01000005081
Certificate of Authorization #9090
Wayne K. Helmila
Registration No. 59092

APR 13 2023

O.A. LOUVER WIDTH / 2
(LOUVER SECTION SIZE)

O.A. LOUVER WIDTH / 2
(LOUVER SECTION SIZE)

LOUVER SECTION SIZE / 2
(TO SUPPORT)
TYP. ALL SECTIONS



TYPICAL AS-MANUFACTURED LOUVER
SECTIONING FOR ALL LOUVER HEIGHTS &
CONSTRUCTION TYPES

SUPPORT CENTERED ON
LOUVER SECTION, TYP,
SUPPORT REQUIRED FOR
SECTION SIZES >36"

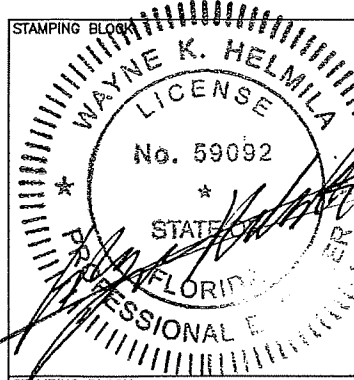
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APR 13 2023



P: 715-359-6171
F: 715-355-6515
LOUVERS@GREENHECK.COM

P.O. BOX 410, SCHWABFIELD,
WISCONSIN 54476-0410

MODEL:
DESC:

ESD-635PD

CROSS SECTIONAL PLAN VIEW

2 OF 15
ESD-635PD

PRODUCT REVISED
as complying with the Florida
Building Code

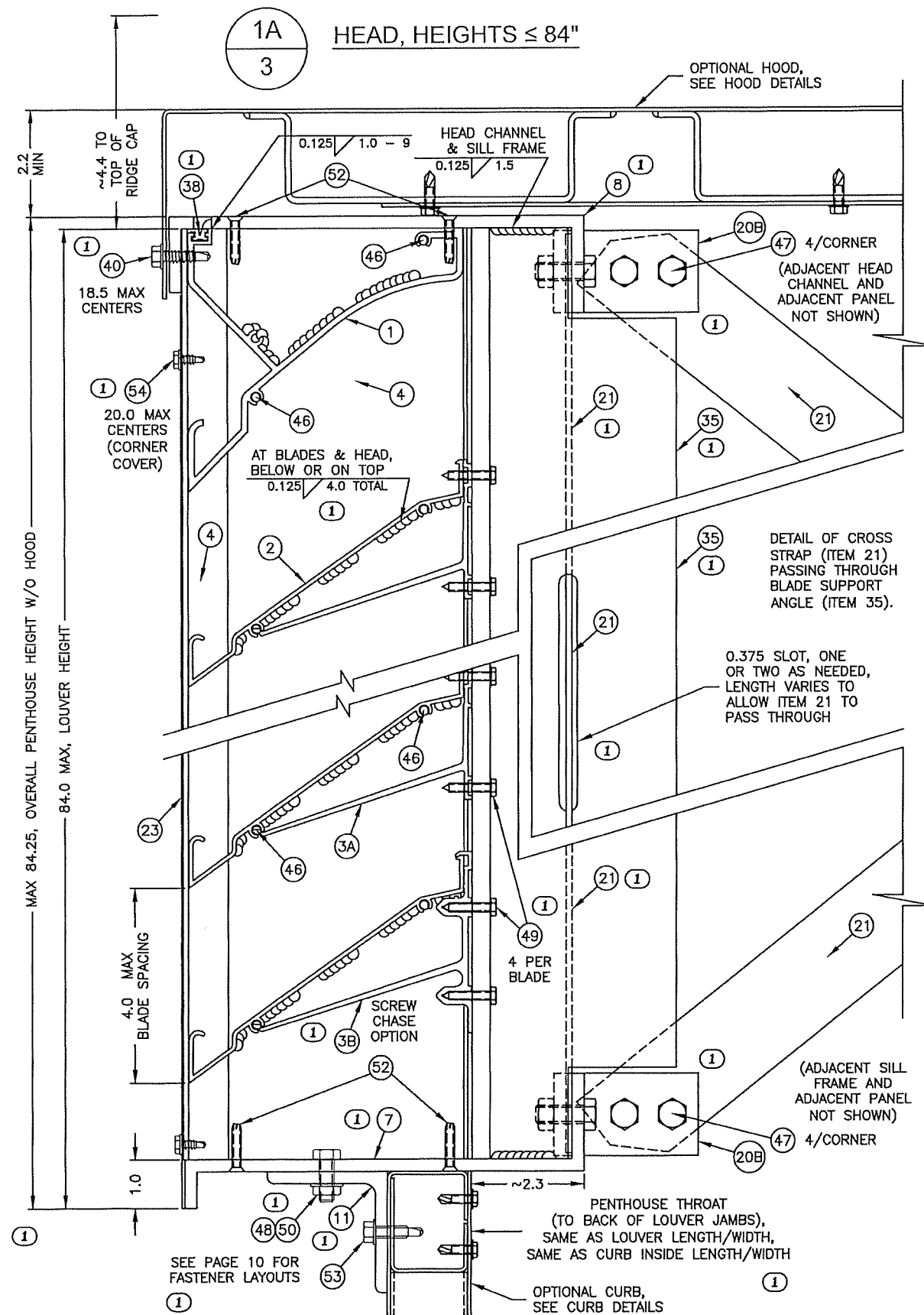
NOA-No. 23-1026.07

Expiration Date 06/19/2028

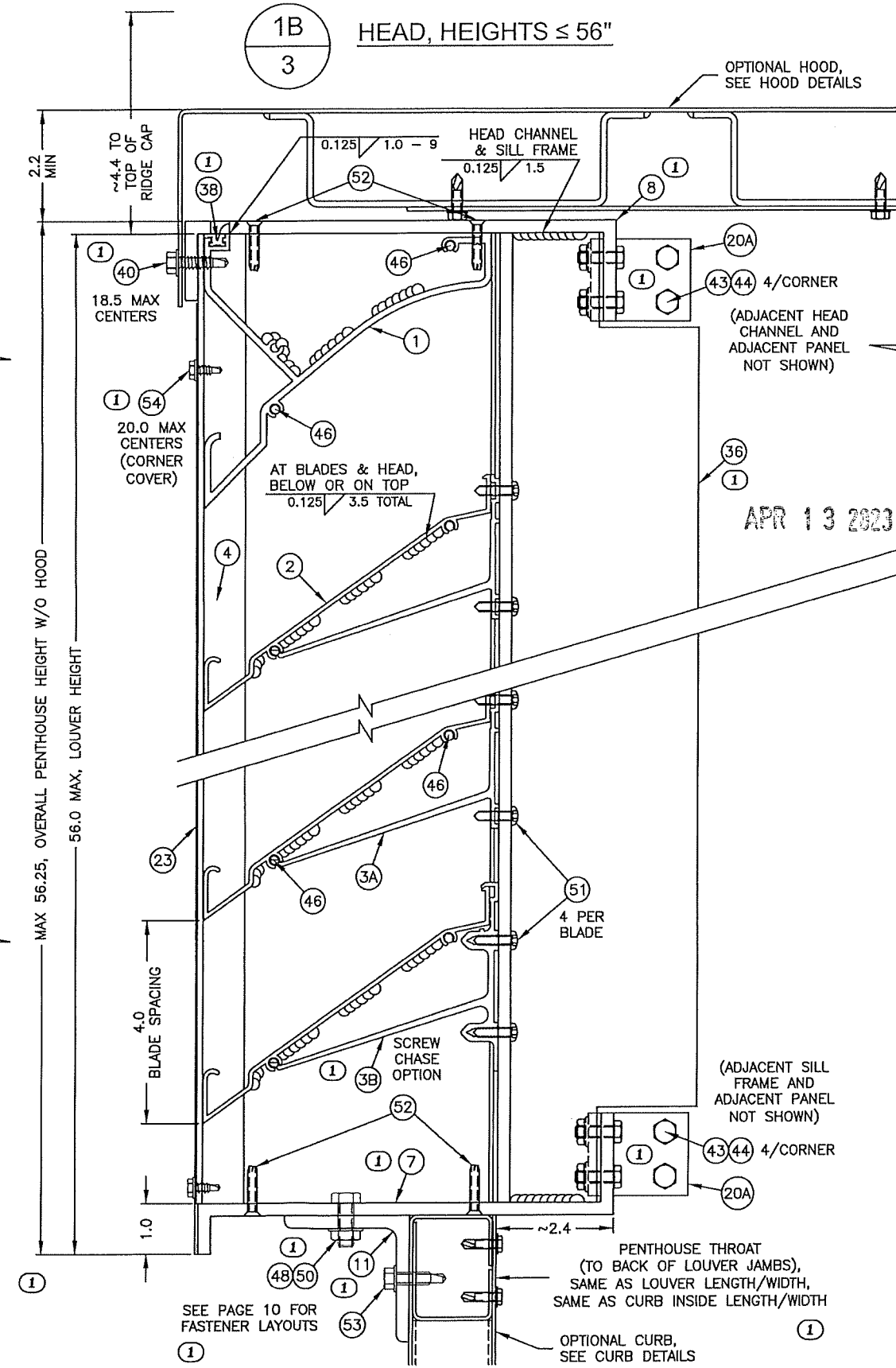
By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:

① 4/12/23: UPDATED BLADE SUPPORT ANGLE PROFILE, ADDED BLADE SUPPORT DIMENSIONS,
AND ADDED INSIDE DIMENSIONS.



2A SILL, HEIGHTS $\leq 84"$



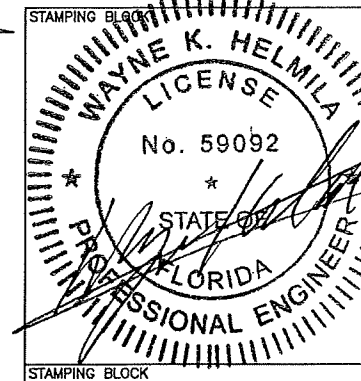
2B SILL, HEIGHTS $\leq 56"$

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APR 13 2023

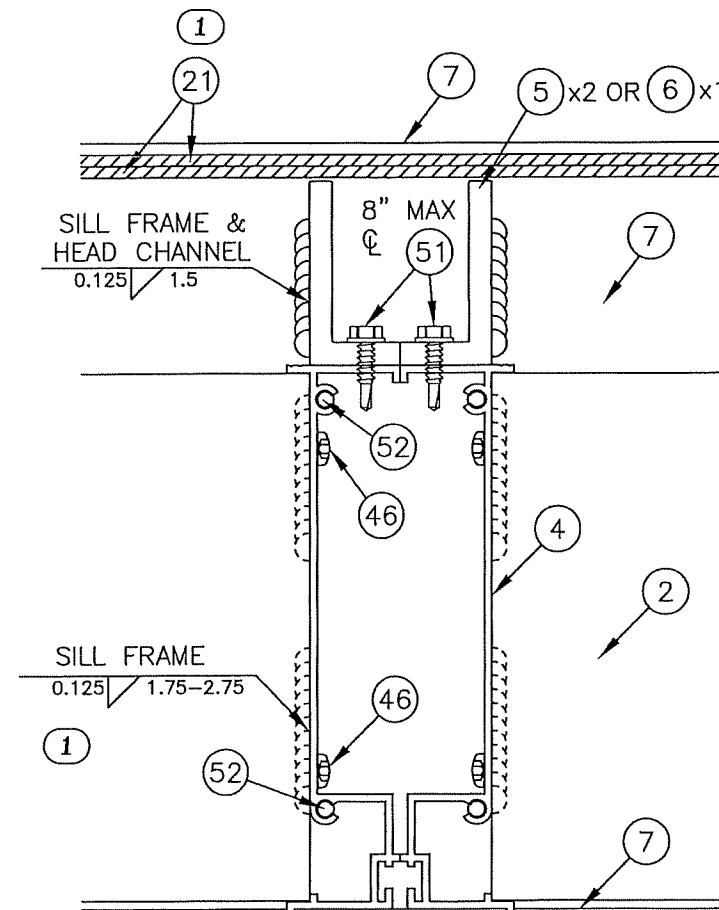


REVISIONS: 4/12/23: DELETED SHALLOW HEAD/SILL SETUPS AND REPLACED THEM WITH 356" SETUPS, RE-NAMED DETAIL TITLES, ADDED MORE DIMENSIONS, REPLACED BLADE SUPPORT ANGLES WITH NEW PROFILES (ITEMS 35 & 36), REMOVED BLADE SUPPORT CONFIGURATION TABLES, REMOVED SILL FRAME AND HEAD CHANNEL (ITEMS 7 & 8) CONFIGURATION TABLES AND NOW ONLY HAVE EXTRUDED OPTION AND PROFILES UPDATED AND NOW USED FOR ALL HEIGHTS, ADDED MISSING ITEM 36, FASTENER (ITEM 40) UPDATED TO NEW TYPE, UPDATED FASTENER LENGTH (ITEM 54), UPDATED CURB ATTACHMENT ANGLE PROFILE (ITEM 11), FASTENER DIAMETER INCREASED (ITEMS 48 & 50), ADDED BLADE BRACKET OPTION (ITEM 38), ADDED CROSS STRAPS (ITEM 21), ADDED SLOT IN BLADE SUPPORT (ITEM 35) CORNER SUPPORT ANGLES (ITEMS 20A/B) AND THEIR CONNECTIONS NOW SHOWN, REMOVED WELDED ON OPTION OF BLADE BRACKET (ITEM 5), LONGER SCREW (ITEM 49) USED WITH THICKER BLADE SUPPORT ANGLE (ITEM 35), & INCREASED TOTAL WELD LENGTH AT HEAD & BLADE (ITEMS 1 & 2) IN 1A & 2A.

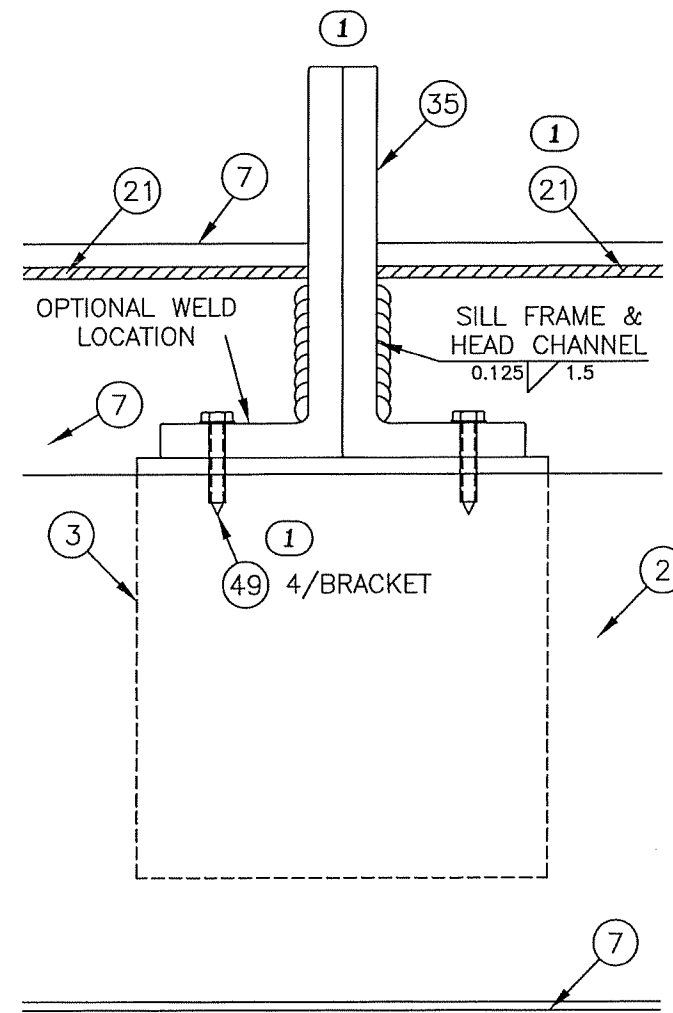
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1026.07
Expiration Date 06/19/2028

By Ishag I. Chank
Miami-Dade Product Control

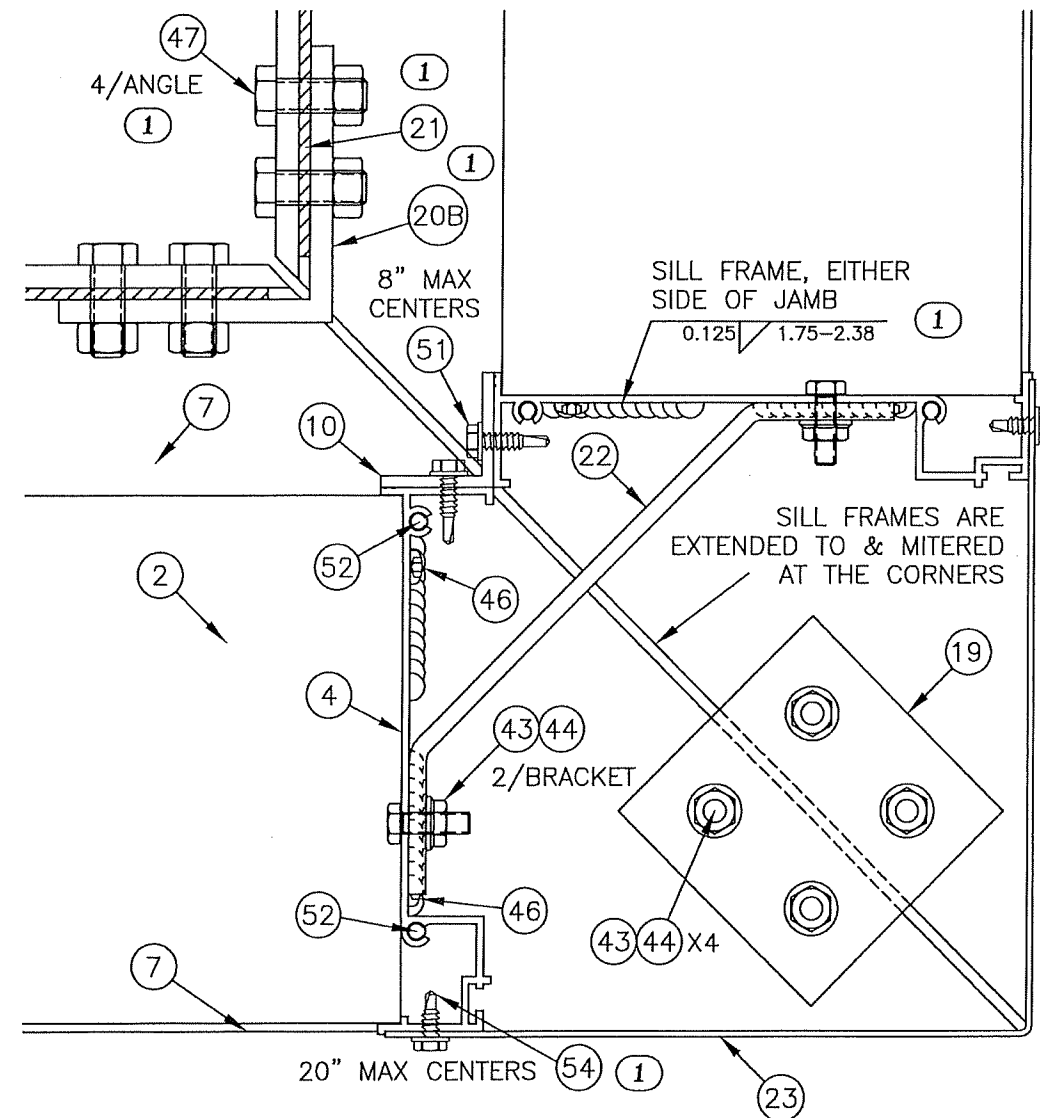
DATE	4/12/23
DRAWN BY	MES
SCALE	
SHEET NO.	3 OF 15
CAD DRAWING NO.	ESD-635PD
MODEL:	ESD-635PD
DESC:	DETAILS: HEAD & SILL



3A
4
MULLION, HEIGHTS ≤ 84"



4A
4
BLADE SUPPORT, HEIGHTS ≤ 84"

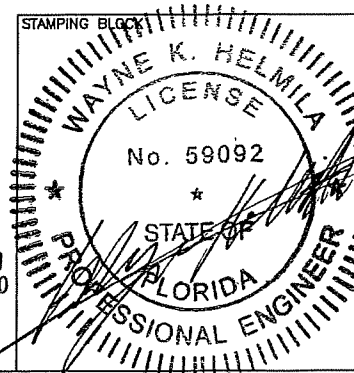


5A
4
CORNER, w/ SILL FRAME, HEIGHTS ≤ 84"

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Phone 920-617 1042
Fax 920-617-1100
www.rice-inc.com

Florida Firm No. F-01000005081
Certificate of Authorization #9090
Wayne K. Helmila
Registration No. 59092



STAMPING BLOCK

STAMPING BLOCK

STAMPING BLOCK

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1026.07

Expiration Date 06/19/2028

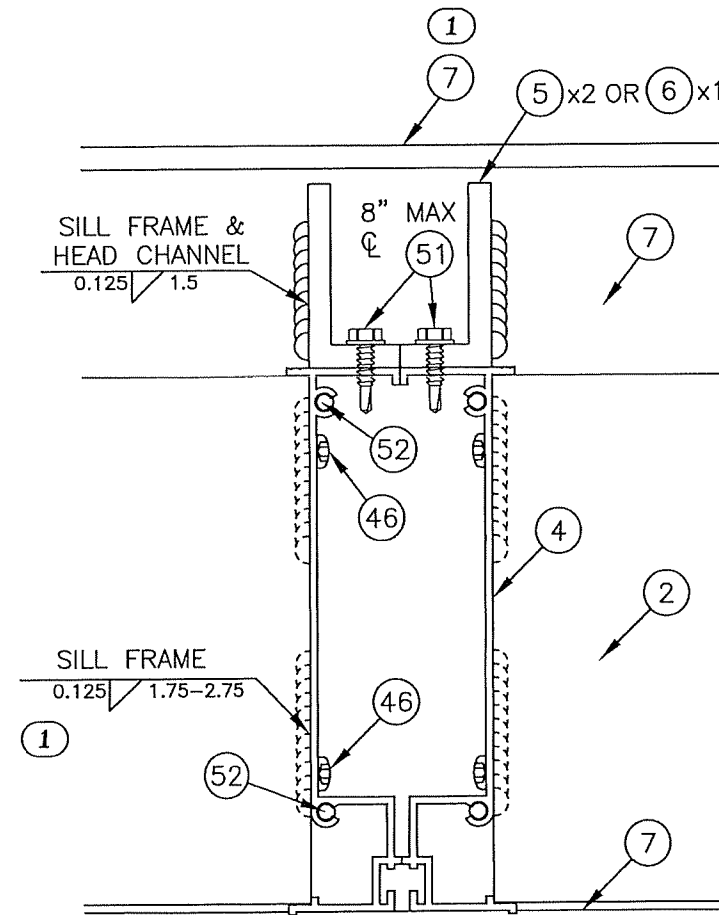
By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:

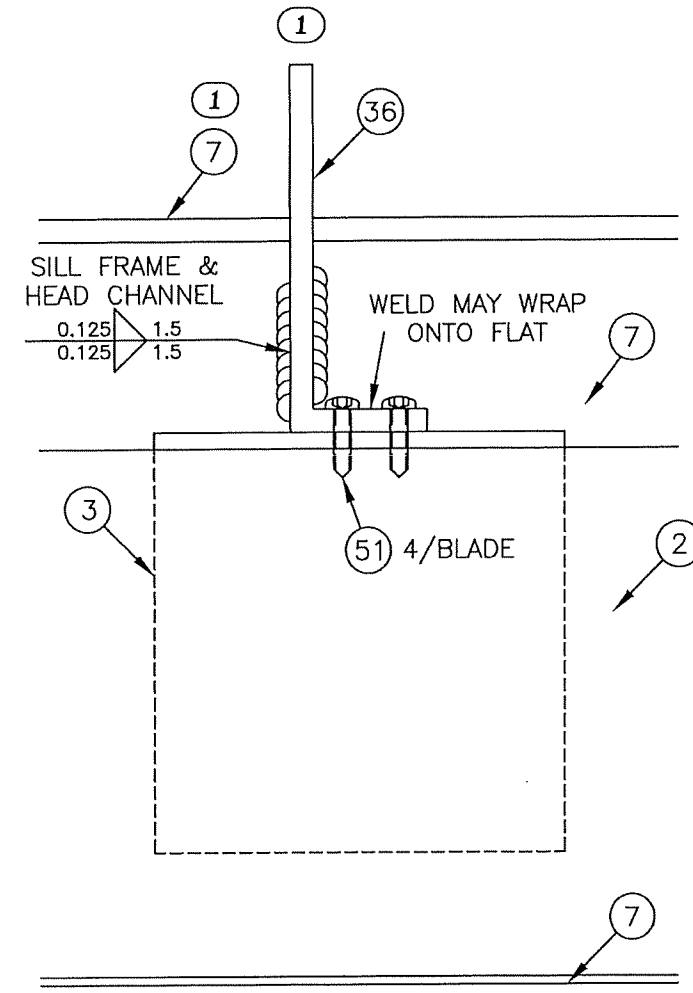
① 4/12/23: DELETED SHALLOW SILL/HEAD "B" DETAILS AND REPLACED THEM WITH "≤56" SETUPS LOCATED ON NEW PAGES. MOVED DETAIL 6A TO A NEW PAGE, RE-NAMED DETAIL TITLES, REPLACED BLADE SUPPORT ANGLES (ITEM 35) WITH NEW PROFILE, REMOVED BLADE SUPPORT AND SILL FRAME CONFIGURATION TABLES, ADDED CROSS STRAPS (ITEM 21), CORNER SUPPORT ANGLE (ITEM 20B) PROFILE UPDATED AND CONNECTIONS UPDATED, REMOVED WELDED ON OPTION FOR BLADE BRACKET (ITEM 3), REMOVED WELDED ON OPTION FOR MULLION SUPPORTS (ITEMS 5 AND 6), INCREASED JAMB TO SILL FRAME (ITEMS 4 & 7) WELD LENGTHS AT ALL JAMBS, AND CORNER COVER SCREW (ITEM 54) NOW ALLOWED TO BE SHORTER.

	DATE	4/12/23
	DRAWN BY	MES
	SCALE	
	SHEET NO.	4 OF 15
P: 715-359-6171 F: 715-355-6515 LOUVESGREENHECK.COM		
P.O. BOX 410, SCHOFIELD, WISCONSIN 54476-0410		
MODEL: ESD-635PD		
DESC: DETAILS: NEAR SILL, HEIGHTS ≤ 84"		
CDD DRAWING NO. ESD-635PD		

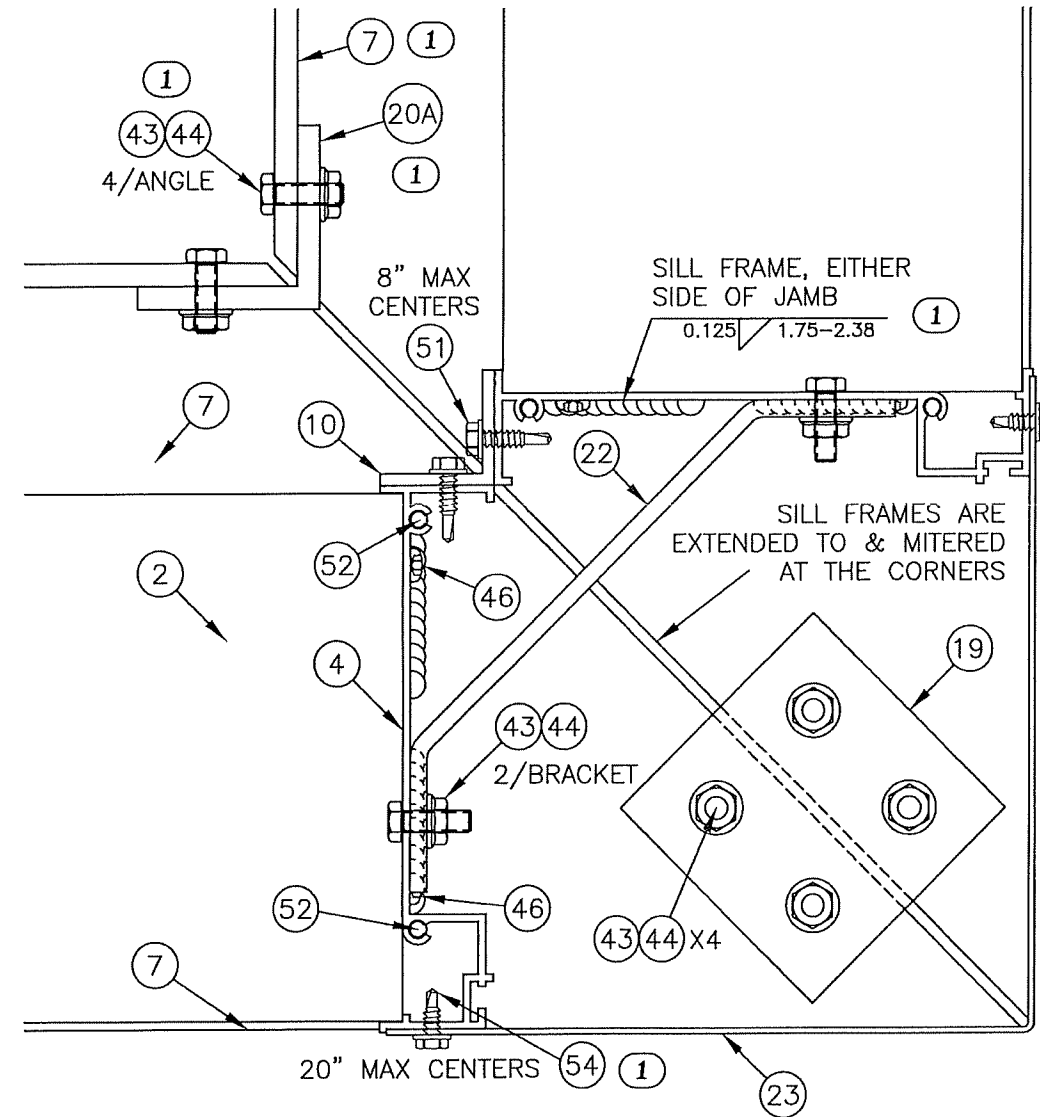
APR 13 2023



3B
5 MULLION, HEIGHTS ≤ 56"



4B
5 BLADE SUPPORT, HEIGHTS ≤ 56"

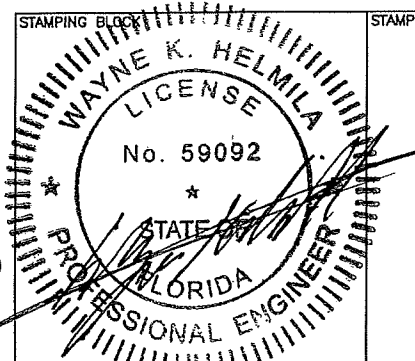


5B
5 CORNER, w/ SILL FRAME, HEIGHTS ≤ 56"

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APR 13 2023

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NOA-No. 23-1026.07

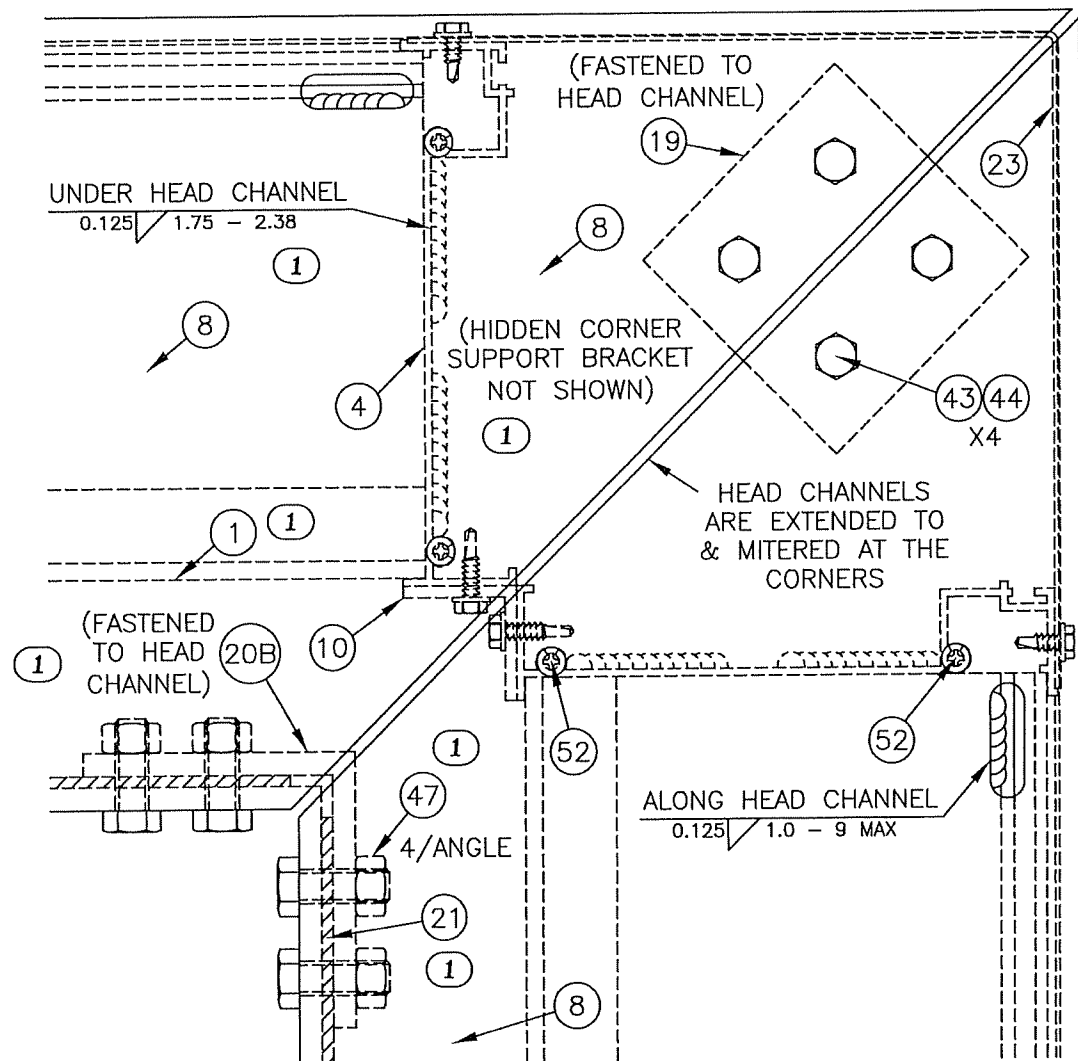
Expiration Date 06/19/2028

By Ishag I. Chank
Miami-Dade Product Control

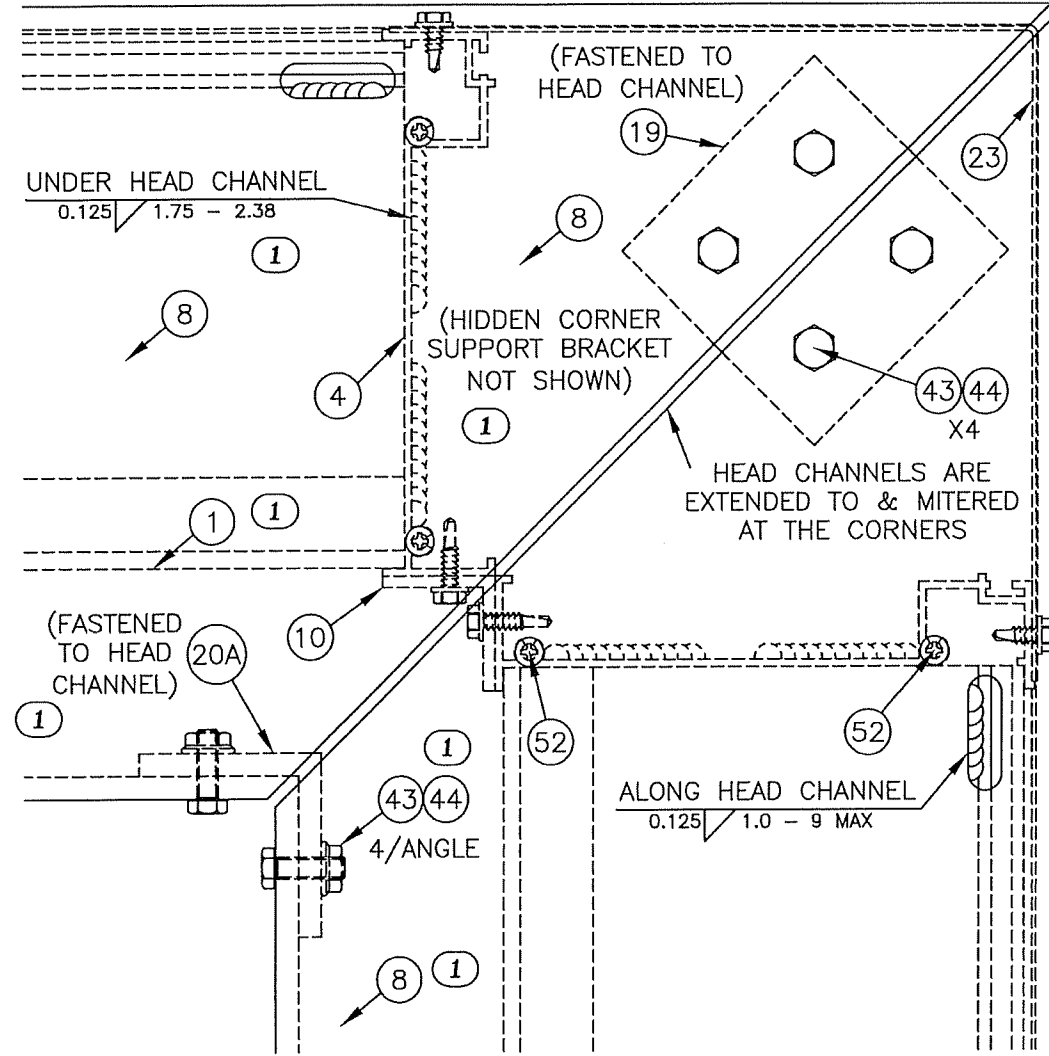
REVISIONS:

① 4/12/23: ADDED THIS NEW PAGE, THESE DETAILS REPLACE THE SHALLOW SILL "B" DETAILS FROM PAGE 4. RE-NAMED DETAIL TITLES, SILL FRAME PROFILE UPDATED (ITEM 7), REPLACED BLADE SUPPORT ANGLES WITH NEW PROFILE (ITEM 36), NOW SHOWS CORNER SUPPORT ANGLE AND BOLTS (ITEMS 20A, 43 & 44), REMOVED BLADE SUPPORT AND SILL FRAME CONFIGURATION TABLES, REMOVED WELDED ON OPTION FOR BLADE BRACKET (ITEM 3), REMOVED WELDED ON OPTION FOR MULLION SUPPORTS (ITEMS 5 & 6), INCREASED JAMB TO SILL FRAME (ITEMS 4 & 7) WELD LENGTHS AT ALL JAMBS, AND CORNER COVER SCREW (ITEM 54) NOW ALLOWED TO BE SHORTER.

DRAWN BY MES	DATE 4/12/23
	SCALE
P.O. BOX 410, SCHOFIELD, WISCONSIN 54476-0410 P 715-359-6171 F 715-355-4515 LOUVERS@GREENHECK.COM	
MODEL: ESD-635PD	
SHEET NO. 5 OF 15	
QAD DRAWING NO. ESD-635PD	
DESC: DETAILS: NEAR SILL, HEIGHTS ≤ 56"	



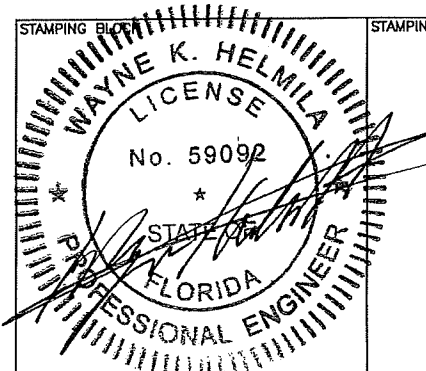
6A
6 CORNER, w/ HEAD CHANNEL, HEIGHTS ≤ 84"



6B
6 CORNER, w/ HEAD CHANNEL, HEIGHTS ≤ 56"

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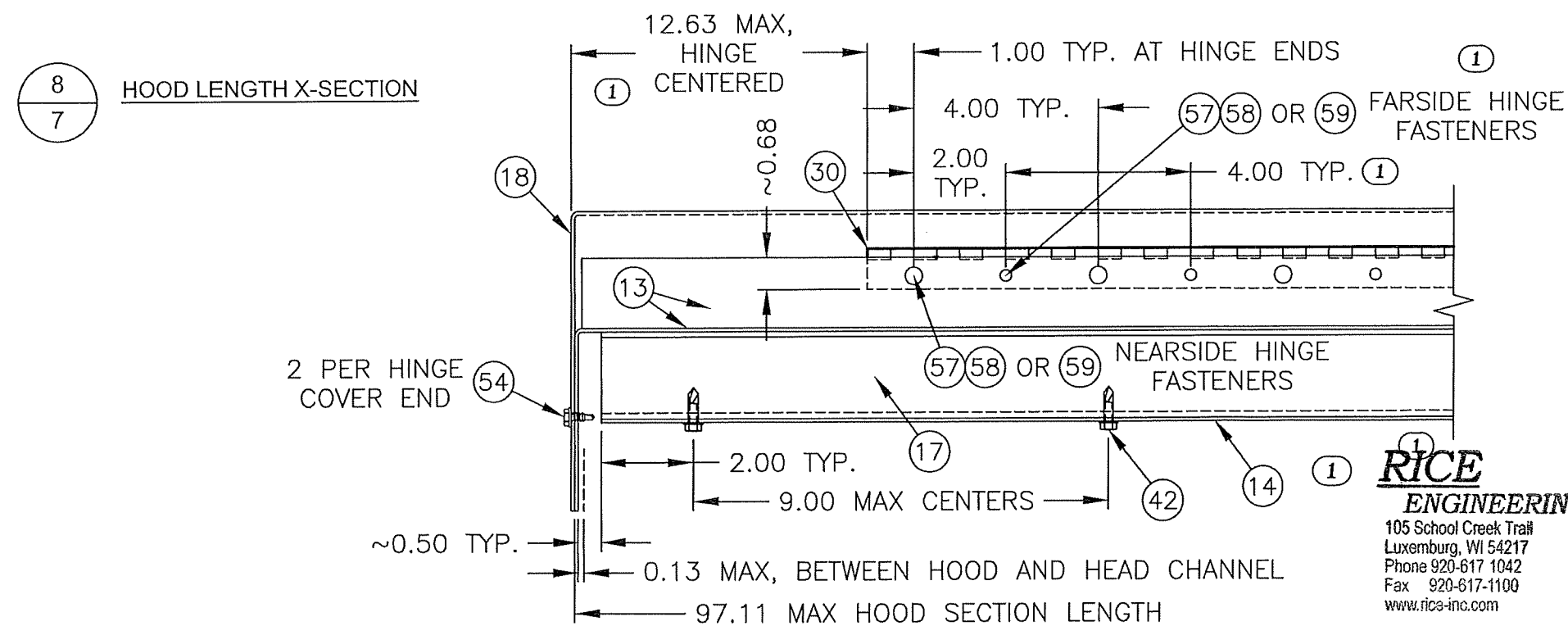


STAMPING BLOCK	STAMPING BLOCK	STAMPING BLOCK	STAMPING BLOCK
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-1026.07 Expiration Date 06/19/2028 By Ishag I. Chank Miami-Dade Product Control			

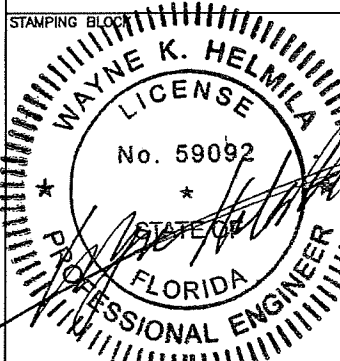
GREENHECK P.O. BOX 410, SCHOFIELD, WISCONSIN 54476-0410 P 715-359-6171 F 715-355-6515 LOUVER@GREENHECK.COM	DRAWN BY MES	DATE 4/12/23
	SCALE	SHEET NO. 6 OF 15
	MODEL ESD-635PD	CAD DRAWING NO. ESD-635PD
	DESC: DETAILS: NEAR HEAD	

REVISIONS:
① 4/12/23: ADDED THIS NEW PAGE, MOVED DETAILS 6A & 6B TO THIS PAGE, ORIGINAL DETAIL 6B (SHALLOW HEAD SETUP) WAS DELETED AND REPLACED WITH ≤56" HEAD SETUP, RE-NAMED DETAIL TITLES, REMOVED HEAD CHANNEL CONFIGURATION TABLES, ADDED HIDDEN NOTES, HEAD CHANNEL (ITEM 8) NOW USED FOR ALL HEIGHTS, ADDED CROSS STRAPS (ITEM 21), CORNER SUPPORT ANGLE (ITEM 20B) PROFILE UPDATED AND CONNECTIONS UPDATED, CORNER SUPPORT ANGLE (ITEM 20A) PROFILE AND CONNECTIONS ADDED, REMOVED WELDED ON OPTION FOR BLADE BRACKET (ITEM 3), REMOVED WELDED ON OPTION FOR MULLION SUPPORTS (ITEMS 5 & 6), CORRECTLY LABELED LOUVER HEAD (ITEM 1), AND INCREASED JAMB TO HEAD CHANNEL (ITEMS 4 & 8) WELD LENGTHS IN BOTH DETAILS.

APR 13 2023



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By Ishaq I. Chande
Miami-Dade Product Control

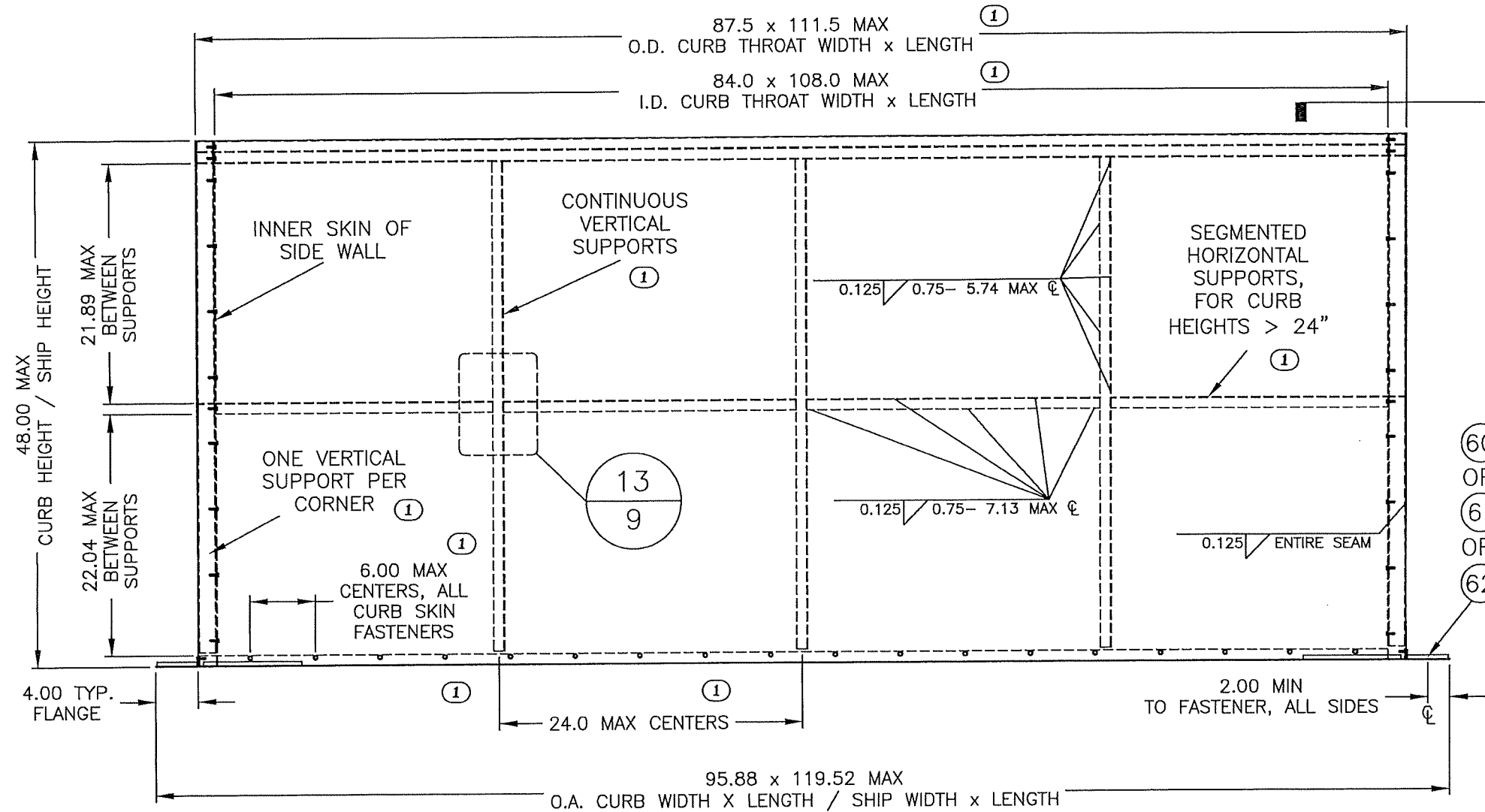
① 4/12/23: WAS PAGE 5, SWITCHED DETAIL POSITIONS FOR BETTER LAYOUT, ADDED HOOD HINGE CALLOUTS FOR CLARITY (ITEMS 57, 58, & 59), REMOVED ONE HAT CHANNEL (ITEM 17) TO ALLOW FOR ENLARGEMENT OF DETAIL 8, LARGER SCREW (ITEM 42) NOW USED AT HAT CHANNEL (ITEM 17), ADDED DIMENSIONS TO HINGE FOR CLARITY OF DETAIL 8, AND ADDED ITEMS AND DIMENSIONS TO UNDERSIDE OF DETAIL 8 FOR CLARITY.

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F) 715-355-6515
LOUVERS@GREENHECK.COM

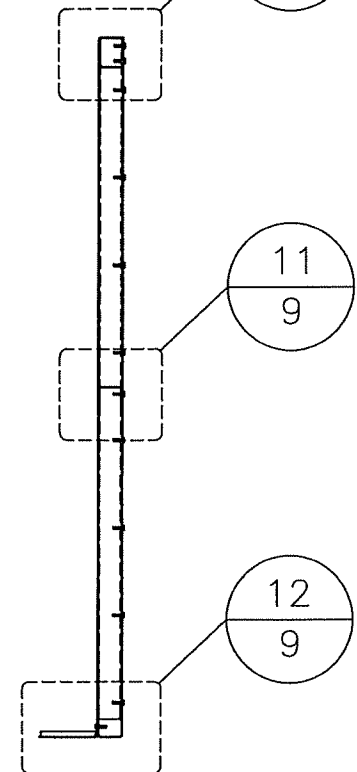
DRAWN BY MES	DATE 4/12/23
SCALE	
SHEET NO. 7 OF 15	
CAD DRAWING NO.	ESD-635PD

MODEL:	ESD-635PD, OPTIONAL HOOD
DESC:	DETAILS: SECTION CUTS

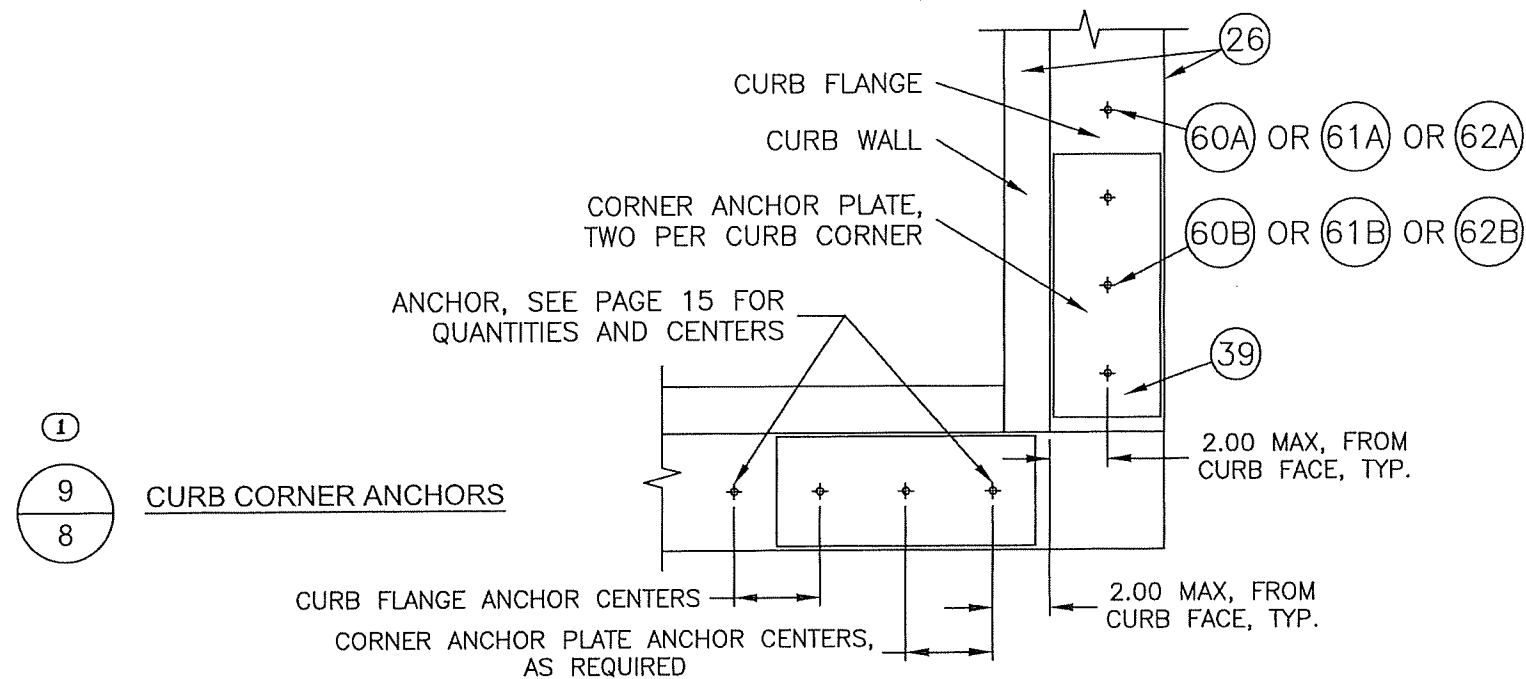
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FOR CURB HEIGHTS
UP TO 48"



VERTICAL
CROSS SECTION



1
9
8
CURB CORNER ANCHORS


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Certificate of Authorization #9090
Wayne K. Helmila
Registration No. 59092

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WAYNE K. HELMILA
LICENSE
No. 59092
STATE OF FLORIDA
PROFESSIONAL ENGINEER

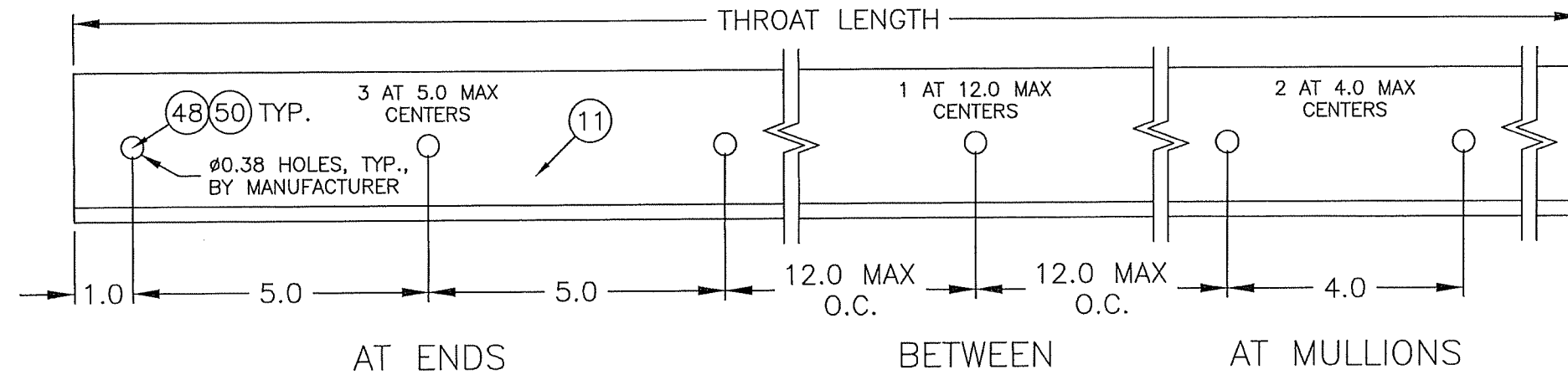
PRODUCT REVISED
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NOA-No. 23-1026.07
Expiration Date 06/19/2028
By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:
1 4/12/23: WAS PAGE 6, ADJUSTED MAX LENGTH AND WIDTH INSIDE DIMENSIONS TO BE CONSISTENT WITH THE 84X108 MAX OF PAGE 1, VERTICAL SUPPORTS NOW RUN CONTINUOUS AND CLARIFIED WHEN REQUIRED, HORIZONTAL MID-HEIGHT SUPPORTS NOW RUN SEGMENTED, ADDED ONE VERTICAL SUPPORT TO EACH CORNER, VERTICAL SUPPORT MAX CENTERS NOW 24.0, ADDED NOTE TO CURB SKIN FASTENER DIMENSION, CURB SKIN FASTENER CENTERS NOW 6.0, AND NEW DETAIL 9 ADDED.

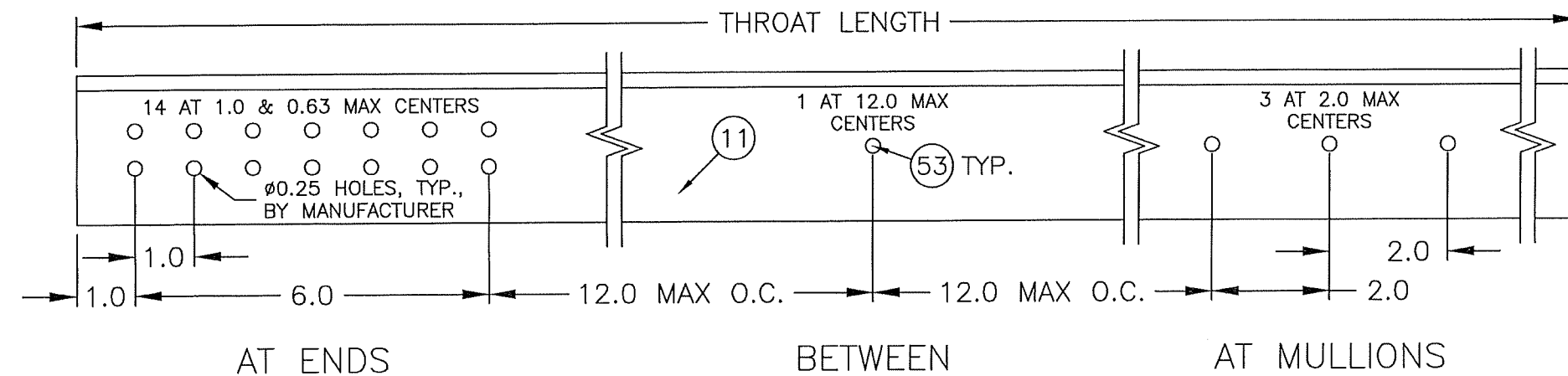
 GREENHECK P.O. BOX 410, SCHOFFIELD, WISCONSIN 54476-0410 P) 715-359-6171 F) 715-355-6515 LOUVERS@GREENHECK.COM	DRAWN BY MES		DATE 4/12/23
	SCALE		
	SHEET NO. 8 OF 15		
	CAD DRAWING NO. ESD-635PD		
MODEL: ESD-635PD, OPTIONAL CURB			
DESC: ELEVATION, X-SECTION, ANCHORS			

APR 13 2023

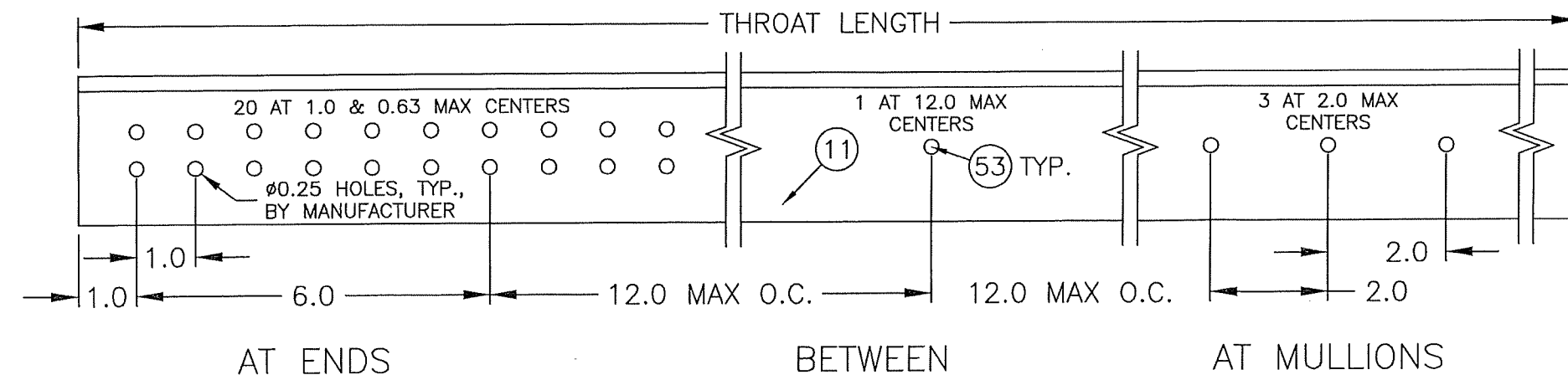
ALL LOUVER HEIGHTS: CURB ATTACHMENT ANGLE BOLT LOCATIONS FOR
SECURING ANGLE TO PENTHOUSE SILL (BOTTOM VIEW)



84" MAX LOUVER HEIGHTS: CURB ATTACHMENT ANGLE SCREW LOCATIONS
FOR SECURING ANGLE TO CURB (SIDE VIEW)



56" MAX LOUVER HEIGHTS: CURB ATTACHMENT ANGLE SCREW LOCATIONS
FOR SECURING ANGLE TO CURB (SIDE VIEW)

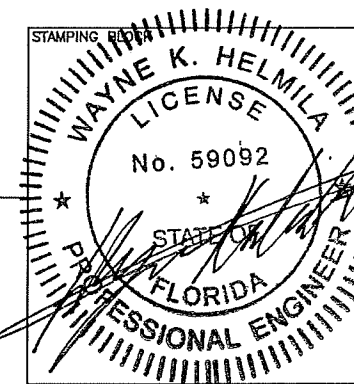


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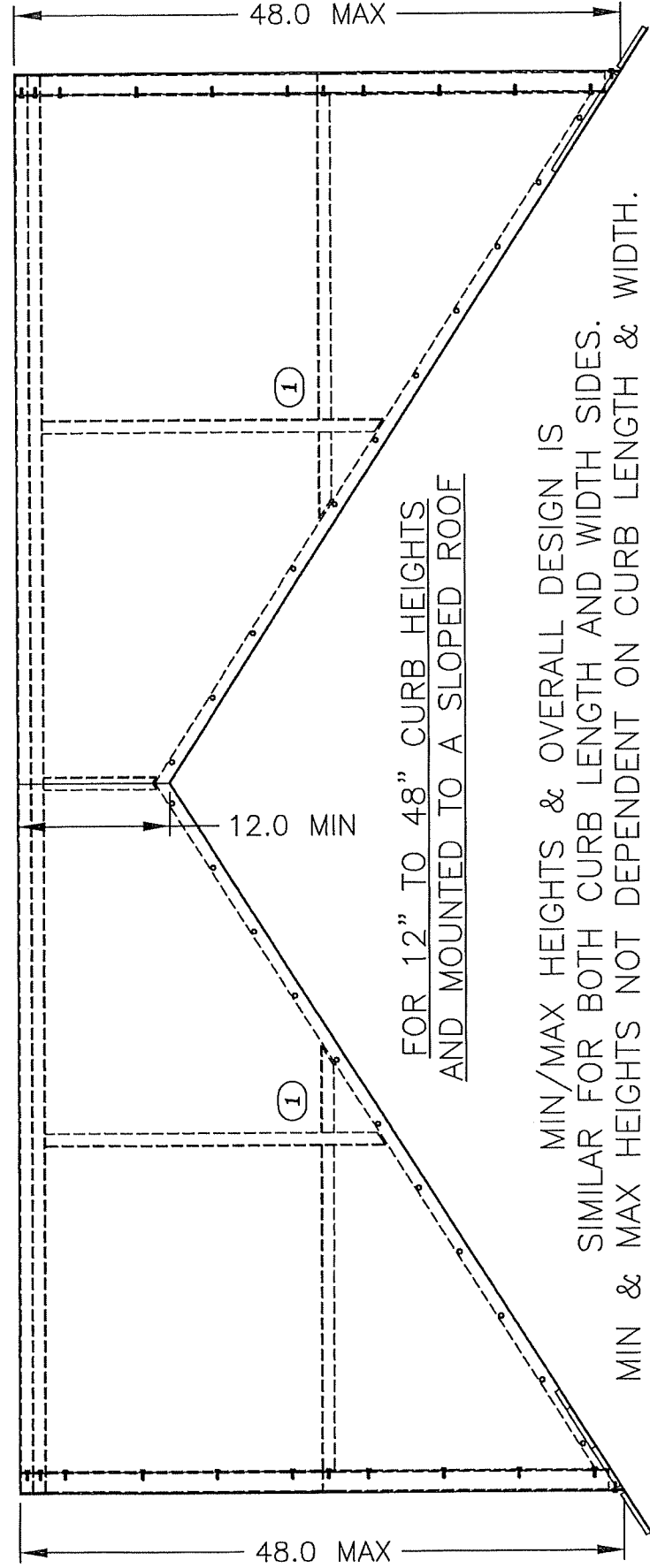
Expiration Date 06/19/2028

By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:
① 4/12/23: ADDED THIS NEW PAGE, NEW FASTENER PATTERNS AT ENDS AND AT MULLION FOR
THE CURB ATTACHMENT ANGLE (ITEM 11).

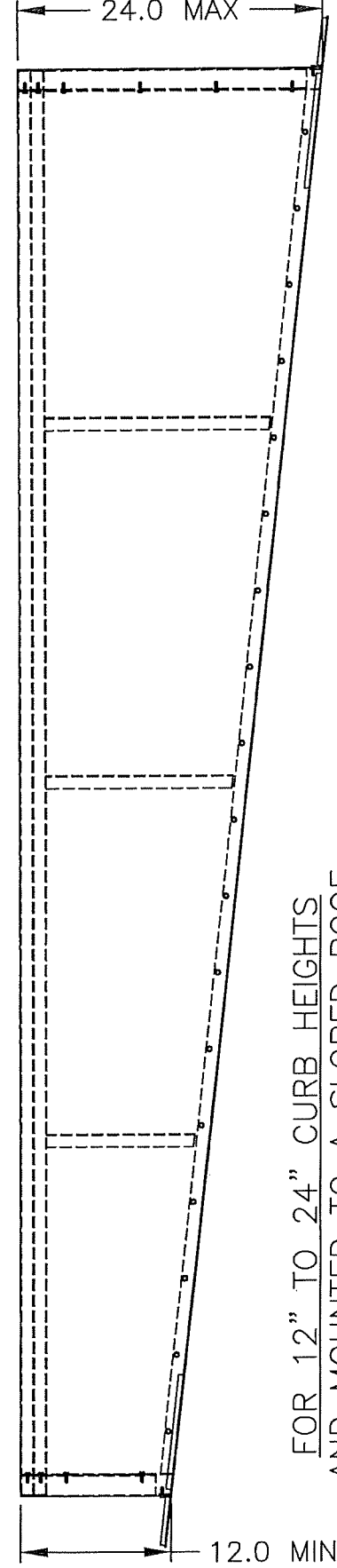
APR 13 2023
DRAWN BY MES
SCALE
SHEET NO. 10 OF 15
CAD DRAWING NO. ESD-635PD

MODEL: ESD-635PD, OPTIONAL CURB
DESC: DETAILS: CURB ATTACHMENT ANGLE



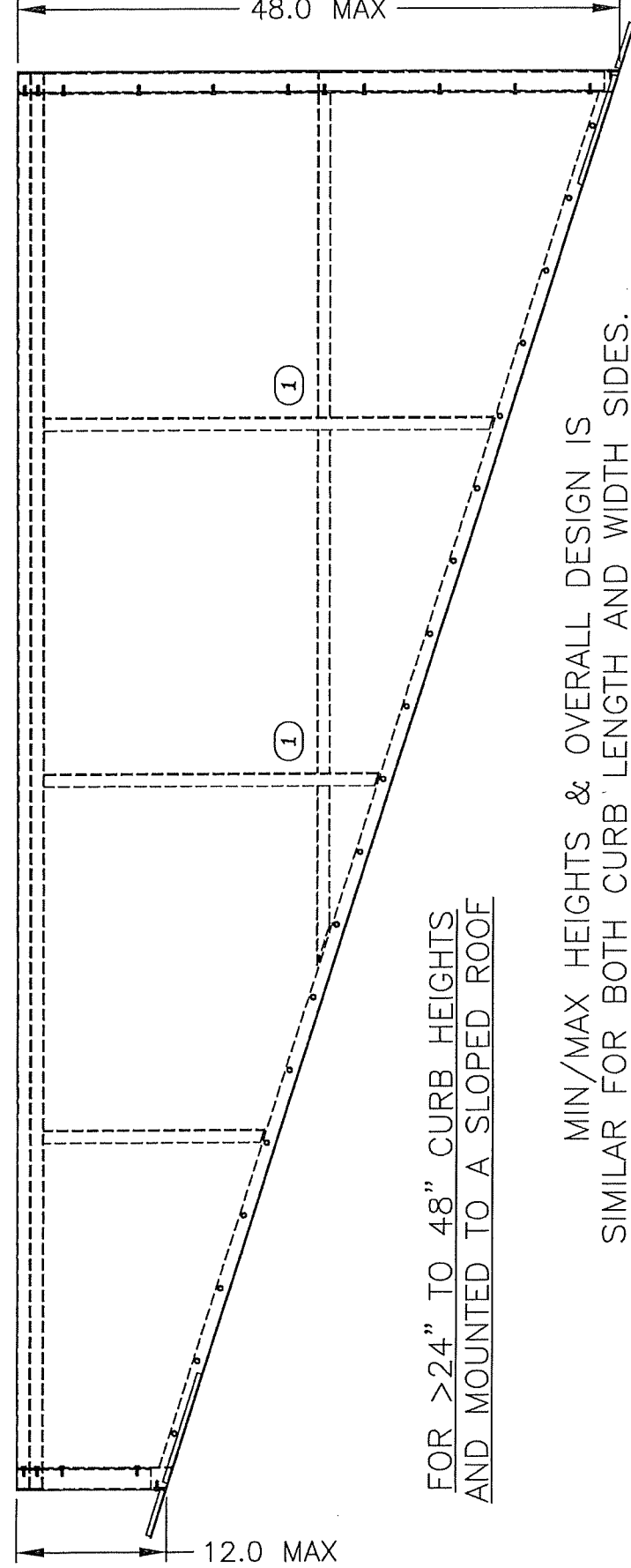
FOR 12" TO 48" CURB HEIGHTS
AND MOUNTED TO A SLOPED ROOF

MIN/MAX HEIGHTS & OVERALL DESIGN IS
SIMILAR FOR BOTH CURB LENGTH AND WIDTH SIDES.
MIN & MAX HEIGHTS NOT DEPENDENT ON CURB LENGTH & WIDTH.
RIDGE POINT MAY BE OFF CENTER.



FOR 12" TO 24" CURB HEIGHTS
AND MOUNTED TO A SLOPED ROOF

MIN/MAX HEIGHTS & OVERALL DESIGN IS
SIMILAR FOR BOTH CURB LENGTH AND WIDTH SIDES.
MIN & MAX HEIGHTS NOT DEPENDENT ON CURB LENGTH & WIDTH.

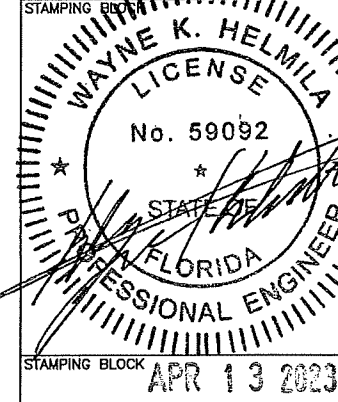


FOR >24" TO 48" CURB HEIGHTS
AND MOUNTED TO A SLOPED ROOF

MIN/MAX HEIGHTS & OVERALL DESIGN IS
SIMILAR FOR BOTH CURB LENGTH AND WIDTH SIDES.
MIN & MAX HEIGHTS NOT DEPENDENT ON CURB LENGTH & WIDTH.

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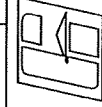
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REVISIONS:
① 4/12/23: WAS PAGE 8, VERTICAL SUPPORTS NOW RUN CONTINUOUS, AND HORIZONTAL
MID-HEIGHT SUPPORTS NOW RUN SEGMENTED.

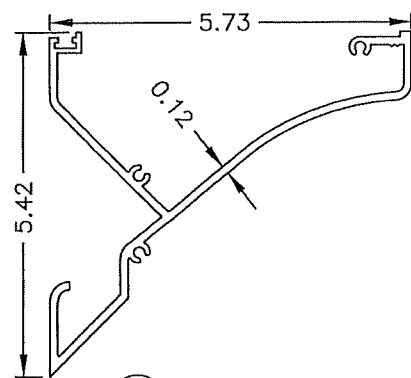


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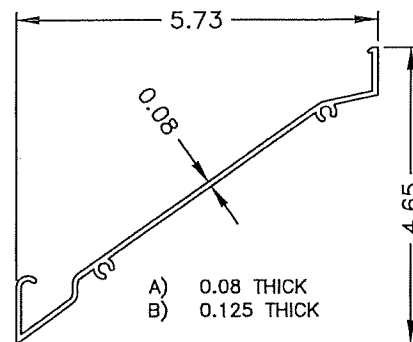
DRAWN BY	MES	DATE	4/12/23
SCALE			
SHEET NO.	11	OF	15
CAD DRAWING NO.	ESD-635PD		

MODEL: ESD-635PD, OPTIONAL CURB

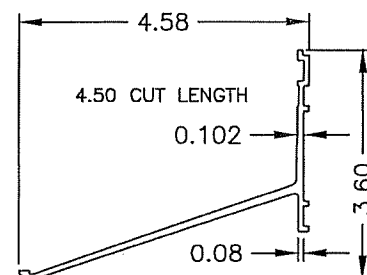
DESC: ELEVATION: SLOPED ROOFS



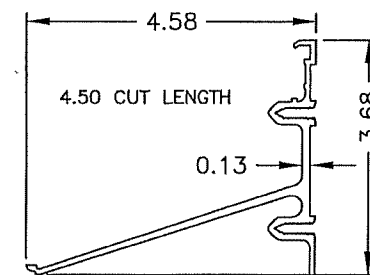
1 LOUVER HEAD
6063-T5 ALUMINUM



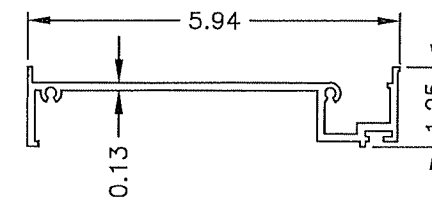
2 LOUVER BLADE
6063-T5 ALUMINUM



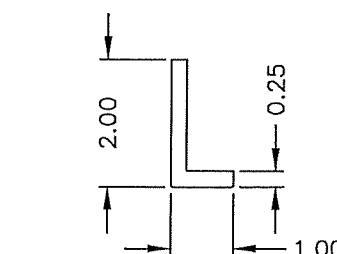
3A BLADE BRACKET
6063-T5 ALUMINUM



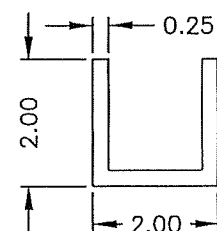
3B BLADE BRACKET WITH SCREW CHASE
6063-T5 ALUMINUM



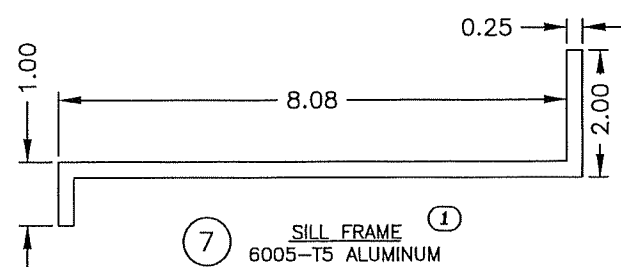
4 LOUVER JAMB
6063-T5 ALUMINUM



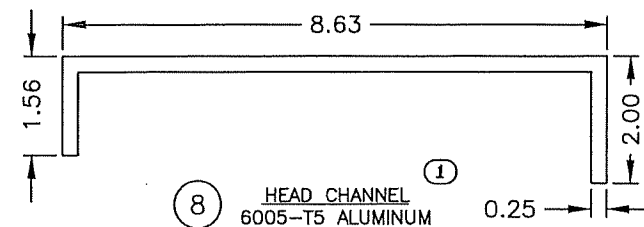
5 MULLION SUPPORT ANGLE
6005-T5 ALUMINUM



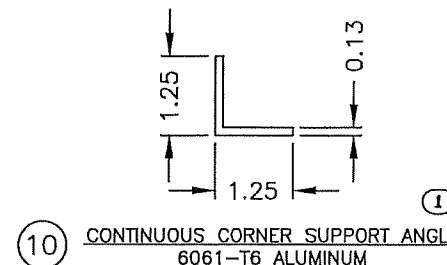
6 MULLION SUPPORT CHANNEL
6005-T5 ALUMINUM



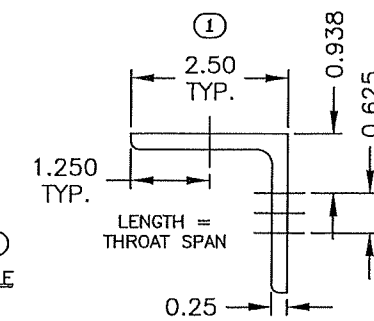
7 SILL FRAME
6005-T5 ALUMINUM



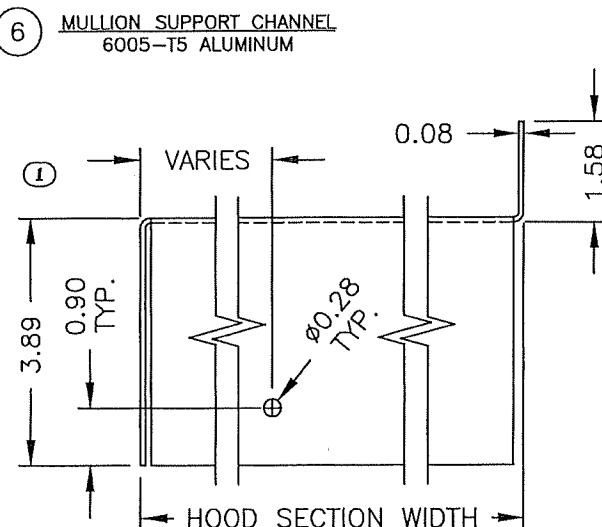
8 HEAD CHANNEL
6005-T5 ALUMINUM



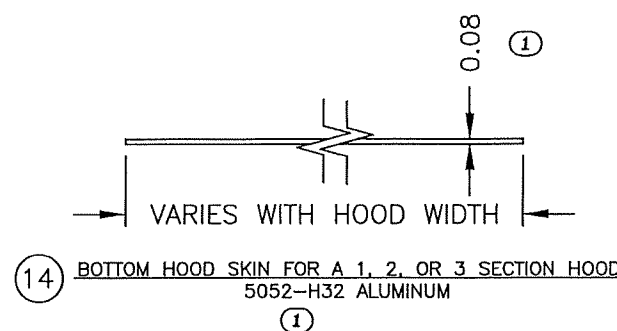
10 CONTINUOUS CORNER SUPPORT ANGLE
6061-T6 ALUMINUM



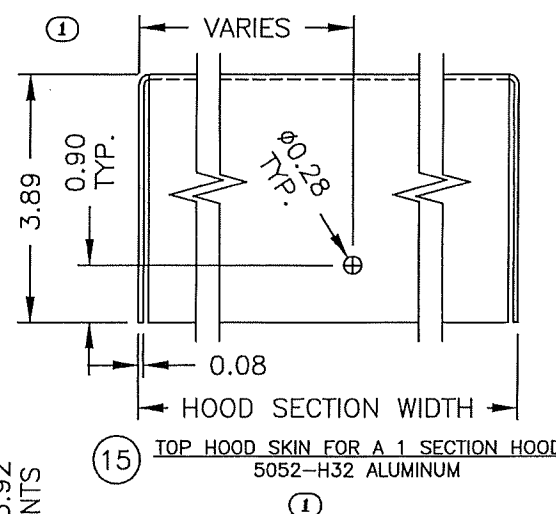
11 CURB ATTACHMENT ANGLE
6061-T6 ALUMINUM



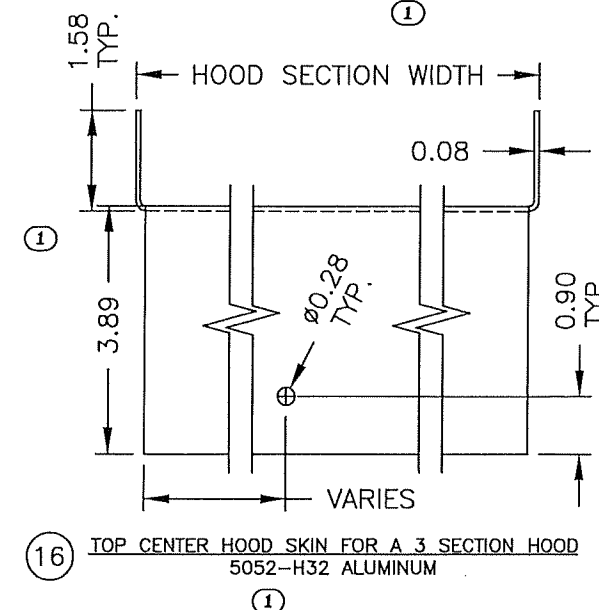
13 END TOP HOOD SKIN FOR A 2 OR 3 SECTION HOOD
5052-H32 ALUMINUM



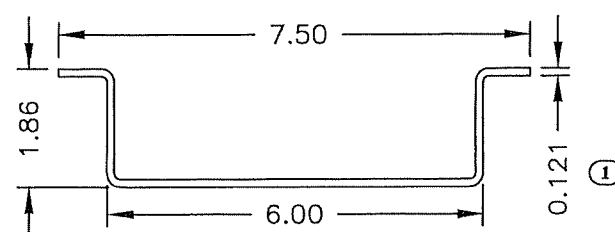
14 BOTTOM HOOD SKIN FOR A 1, 2, OR 3 SECTION HOOD
5052-H32 ALUMINUM



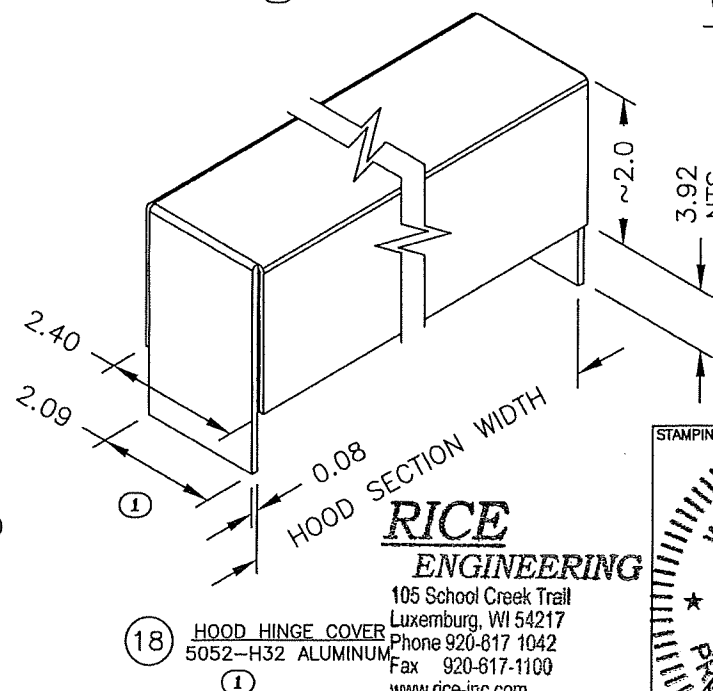
15 TOP HOOD SKIN FOR A 1 SECTION HOOD
5052-H32 ALUMINUM



16 TOP CENTER HOOD SKIN FOR A 3 SECTION HOOD
5052-H32 ALUMINUM



17 HOOD HAT CHANNEL
5052-H32 ALUMINUM

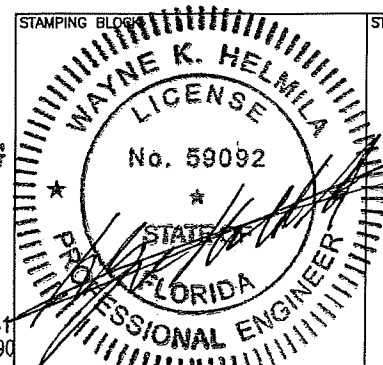


18 HOOD HINGE COVER
5052-H32 ALUMINUM

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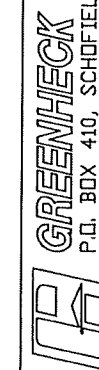
NOA-No. 23-1026.07

Expiration Date 06/19/2028

By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:

1 4/12/23: WAS PAGE 9, ADDED ITEM 3B, RENAMED ITEMS 7 & 10, ITEM 11 NOW 6061-T6 AND LONGER LEGS, ADJUSTED HEIGHTS AND HOLE SIZES OF ITEMS 13 14 & 16, ITEMS 13 THRU 16 NOW 5052-H32, ITEM 14 NOW 0.08 THICK, ITEM 17 NOW 0.12 THICK, ADJUSTED HEIGHT AND WIDTH OF ITEM 18 AND IS NOW 5052-H32, AND MOVED ITEMS 19 & 20 TO A DIFFERENT PAGE.



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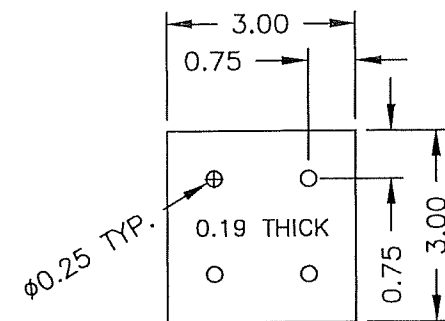
SCALE
SHEET NO.

12 OF 15
CAD DRAWING NO.

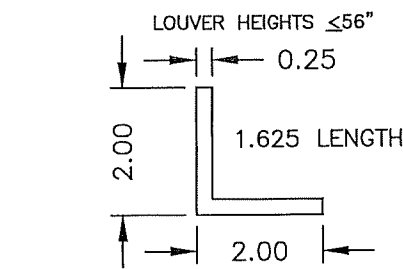
ESD-635PD & OPTIONS

PART DETAILS, 1 OF 2

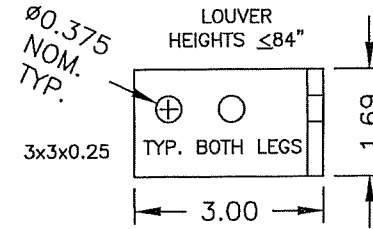
ESD-635PD



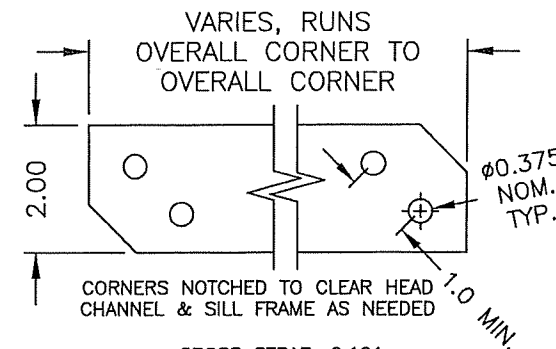
① (19) CORNER PLATE
5052-H32 ALUMINUM



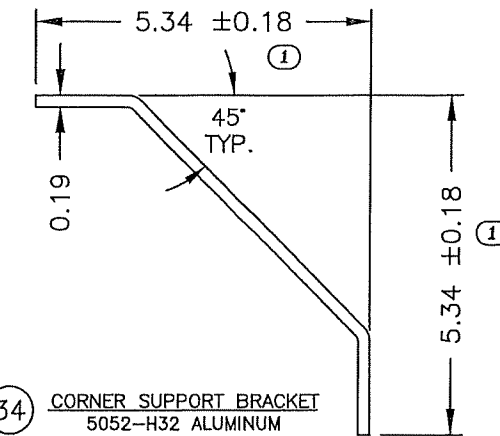
① (20A) CORNER SUPPORT ANGLE
6063-T5 ALUMINUM



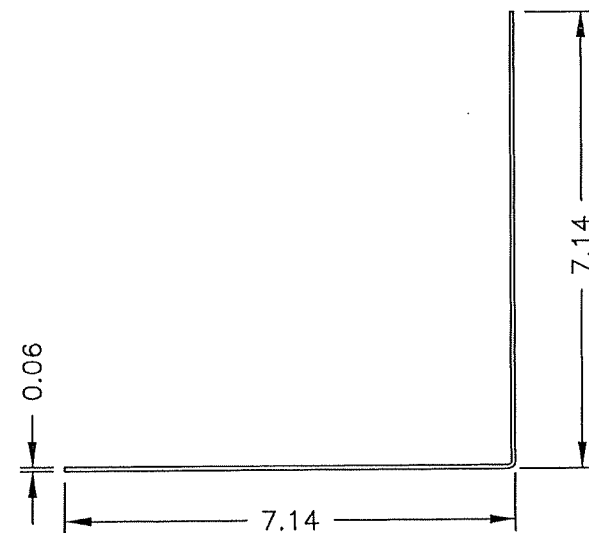
① (20B) CORNER SUPPORT ANGLE
6061-T6 ALUMINUM



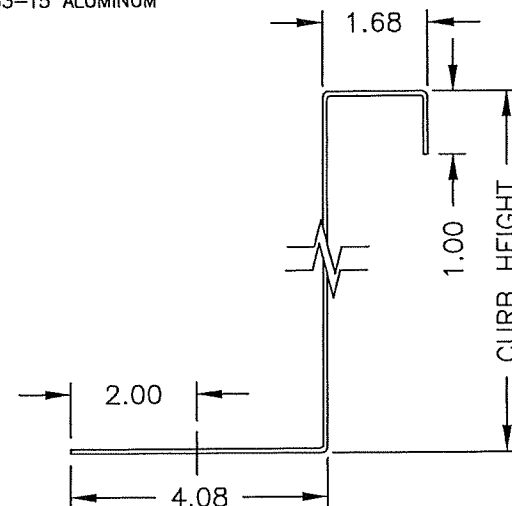
① (21) CROSS STRAP, 0.121
5052-H32 ALUMINUM
6063-T5 ALUMINUM



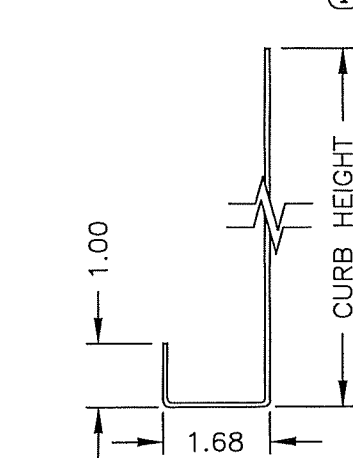
① (34) CORNER SUPPORT BRACKET
5052-H32 ALUMINUM



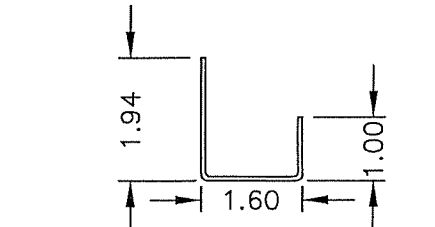
① (23) OUTSIDE CORNER COVER
5052-H32 ALUMINUM



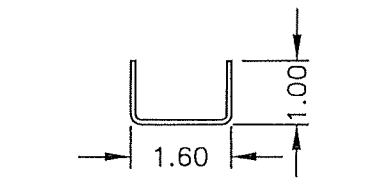
① (26) OUTER CURB SKIN
PLATED/PAINTED STEEL 14 GA.



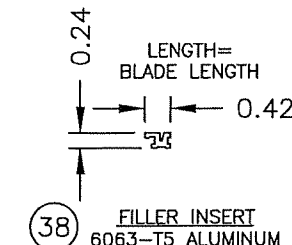
① (27) INNER CURB SKIN
PLATED/PAINTED STEEL 14 GA.



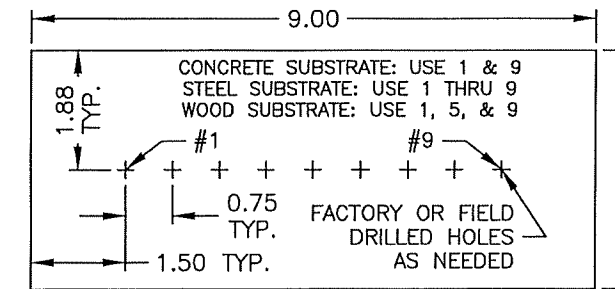
① (28) TOP EDGE INTERIOR CURB SUPPORT
PLATED/PAINTED STEEL 14 GA.



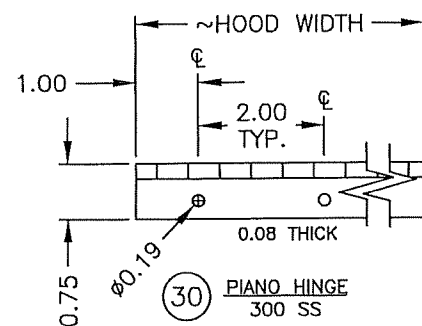
① (29) INTERIOR CURB SUPPORT
PLATED/PAINTED STEEL 14 GA.



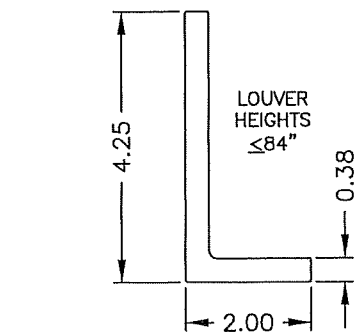
① (38) FILLER INSERT
6063-T5 ALUMINUM



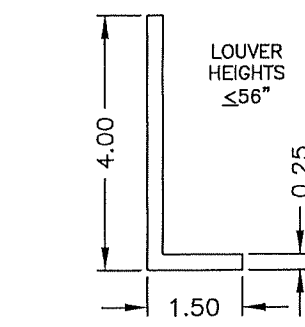
① (39) CORNER ANCHOR PLATE
0.375 6061-T6 ALUMINUM



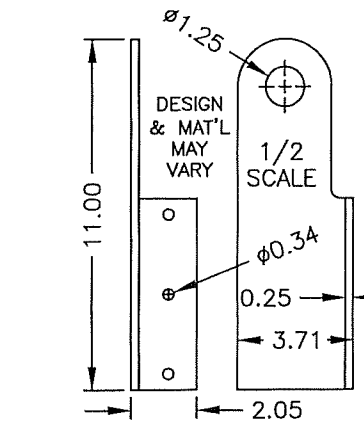
① (30) PIANO HINGE
300 SS



① (35) BLADE SUPPORT ANGLE
6005-T5 ALUMINUM



① (36) BLADE SUPPORT ANGLE
6005-T5 ALUMINUM

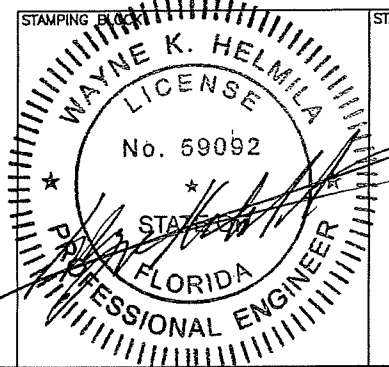


① (37) LIFTING LUG, REMOVABLE
300 STAINLESS STEEL

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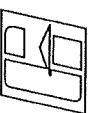
NOA-No. 23-1026.07

Expiration Date 06/19/2028

By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:

① 4/12/23: WAS PAGE 10, ITEMS 19 AND 20A (WAS ITEM 20) MOVED TO THIS PAGE, ADDED NEW ITEMS 20B & 21, ITEMS 22 AND 23 NOW 5052-H32, DELETED ITEMS 31 THRU 38, ADDED TOLERANCES TO ITEM 34, AND ADDED NEW ITEMS 35 THRU 39.



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DATE 4/12/23

SHEET NO. 13 OF 15

CAD DRAWING NO. ESD-635PD

ESD-635PD & OPTIONS

PART DETAILS, 2 OF 2

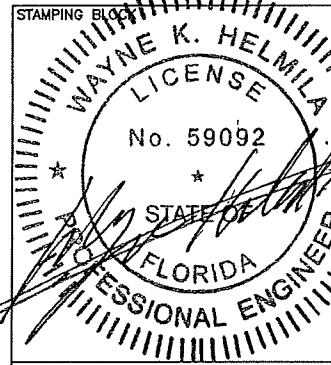
APR 13 2023

ITEM	DESCRIPTION	MAT'L	ID #	NOTES
1	LOUVER HEAD	ALUM.	125096	ESD-635
2	A) LOUVER BLADE, 0.08 THICKNESS	ALUM.	125263	ESD-635
	B) LOUVER BLADE, 0.125 THICKNESS	ALUM.	125274	ESD-635, AN ALTERNATE TO ITEM 2A
3	A) BLADE BRACKET	ALUM.	125262	ESD-635, ON LOUVER SECTION WIDTHS >36" ONLY
	B) BLADE BRACKET WITH SCREW CHASE (1)	ALUM.	125904	ESD-635, AN ALTERNATE TO ITEM 3A
4	LOUVER JAMB	ALUM.	125094	ESD-635
5	MULLION SUPPORT ANGLE	ALUM.	125832	ON >72" OVERALL LOUVER WIDTHS ONLY
6	MULLION SUPPORT CHANNEL	ALUM.	125819	ON >72" OVERALL LOUVER WIDTHS ONLY, AN ALTERNATE TO TWO OF ITEM 5
7	SILL FRAME, EXTRUDED	ALUM.	126295	-
8	HEAD CHANNEL, EXTRUDED	ALUM.	126294	-
10	CONTINUOUS CORNER SUPPORT ANGLE (1)	ALUM.	-	MAY STOP 7.5" BEFORE LOUVER HEAD TO ALLOW FOR LIFTING LUG FASTENERS
11	CURB ATTACHMENT ANGLE	ALUM.	130205	-
13	END TOP HOOD SKIN FOR A 2 OR 3 SECTION HOOD	ALUM.	100173	-
14	BOTTOM HOOD SKIN FOR A 1, 2, OR 3 SECTION HOOD	ALUM.	100173	USED ONLY IF MORE THAN ONE ITEM 17 IS USED PER HOOD SECTION
15	TOP HOOD SKIN FOR A 1 SECTION HOOD	ALUM.	100173	-
16	TOP CENTER HOOD SKIN FOR A 3 SECTION HOOD	ALUM.	100173	-
17	HOOD HAT CHANNEL	ALUM.	100175	-
18	HOOD HINGE COVER (1)	ALUM.	100173	ONE USED ON A 2-SECTION HOOD, TWO USED ON A 3-SECTION HOOD
19	CORNER PLATE	ALUM.	100176	-
20	A) CORNER SUPPORT ANGLE	ALUM.	130326	LOUVER HEIGHTS ≤ 56", AN ALTERNATE TO ITEM 20B (1)
	B) CORNER SUPPORT ANGLE (1)	ALUM.	130228	LOUVER HEIGHTS ≤ 84"
21	CROSS STRAP (1)	ALUM.	130372	ON LOUVER HEIGHTS > 56" ONLY, OPTIONAL ID # 100175
22	CORNER SUPPORT BRACKET	ALUM.	100176	28" MAX CENTERS
23	OUTSIDE CORNER COVER	ALUM.	100172	-
26	OUTER CURB SKIN, 14 GA	STEEL	165356	PLATED/PAINTED, OPTIONAL ID # 165370
27	INNER CURB SKIN, 14 GA	STEEL	165356	PLATED/PAINTED, OPTIONAL ID # 165370
28	TOP EDGE INTERIOR CURB SUPPORT, 14 GA	STEEL	165356	PLATED/PAINTED, OPTIONAL ID # 165370
29	INTERIOR CURB SUPPORT, 14 GA	STEEL	165356	PLATED/PAINTED, OPTIONAL ID # 165370
30	PIANO HINGE	300 SS	453743	72" MAX CONTINUOUS LENGTH, ONE PER HOOD JOINT (1)
35	BLADE SUPPORT ANGLE, 0.375x2x4.25 (1)	ALUM.	126132	TWO REQUIRED FOR LOUVER HEIGHTS > 56", ELSE ONE REQUIRED (1)
36	BLADE SUPPORT ANGLE, 0.25x1.5x4 (1)	ALUM.	-	ONE REQUIRED, FOR LOUVER HEIGHTS ≤ 56" ONLY, AN ALTERNATE TO ITEM 35 (1)
37	LIFTING LUG, REMOVABLE (1)	300 SS	516841	NOT REQUIRED FOR NOA, DESIGN MAY VARY, TYPICALLY ON LONGER SIDES ONLY
38	FILLER INSERT (1)	ALUM.	125229	-
39	CORNER ANCHOR PLATE (1)	ALUM.	100180	TWO PER CORNER, OPTIONAL ID # 130530
40	1/4-20 X 1 SCREW, MIN (1)	300 SS	-	ATTACHES HOOD TO HEAD CHANNEL (1)
42	#12 X 3/4 SCREW, MIN (1)	300 SS	417152	ATTACHES BOTTOM HOOD SKIN TO HOOD HAT CHANNEL (1)
43	1/4-20 X 3/4 BOLT, MIN	300 SS	415869	ATTACHES VARIOUS ITEMS (1)
44	1/4-20 NUT	300 SS	415575	ATTACHES VARIOUS ITEMS (1)
45	#10 X 1/2 SCREW, MIN	MULTI	-	ATTACHES CURB SKINS, 300 SS HEAD/SHANK W/ COATED STEEL DRILL POINT OR ALL COATED STEEL WITH HEAD SEALED WITH LIQUID PROSE FLASHING (1)
46	#10 X 1.25 SCREW, MIN	300 SS	416196	ATTACHES JAMBS TO LOUVER BLADES AND LOUVER HEAD (1)
47	3/8-16 X 1.5 BOLT & NUT, MIN (1)	300 SS	-	ATTACHES CORNER SUPPORT ANGLE TO SILL FRAME WHEN ITEM 20B IS USED
48	5/16-18 X 3/4 BOLT, MIN	300 SS	-	ATTACHES CURB ATTACHMENT ANGLE TO SILL (1)
49	#10 X 1.0 SCREW, MIN (1)	300 SS	416349	ATTACHES BLADE SUPPORT ANGLE TO BLADE BRACKET
50	5/16-18 NUT, MIN	300 SS	415576	ATTACHES CURB ATTACHMENT ANGLE TO SILL (1)
51	#10 X 3/4 SCREW, MIN	300 SS	416108	ATTACHES VARIOUS ITEMS, OPTIONAL SELF-DRILLER (ID # 417518) ALLOWED (EXCEPT WITH ITEM 3) (1)
52	#10 X 1 COUNTERSUNK SCREW, MIN	300 SS	416462	ATTACHES SILL FRAME AND HEAD CHANNEL TO JAMBS (1)
53	1/4-14 X 1.0 SCREW, MIN	MULTI	-	ATTACHES CURB ATTACHMENT ANGLE TO CURB, 300 SS HEAD/SHANK W/ COATED STEEL DRILL POINT, IF ITEM 11 AND OPTIONAL CURB SANDWICH OTHER MATERIALS (ROOFING, SKIRTS, ETC.) THEN THE INSTALLER MUST USE SCREWS OF AT LEAST 1" PLUS THE TOTAL THICKNESS OF THE SANDWICHED MATERIALS TO ENSURE PROPER CURB PENETRATION (LONGER SCREWS BY OTHERS) (1)
54	#10 X 1/2 MIN SCREW (1)	300 SS	417151	ATTACHES CORNER COVER TO JAMBS, ATTACHED HOOD HINGE COVER TO HOOD (1)
57	#10 X 1/2 BOLT, MIN	300 SS	415988	ATTACHES PIANO HINGE (1)
58	#10 NUT, MIN	300 SS	415991	ATTACHES PIANO HINGE (1)
59	3/16 X 3/8 SS/SS BLIND RIVET, MIN	300 SS	-	AN ALTERNATE TO ITEMS 57 & 58 (1)

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STAMPING BLOCK

STAMPING BLOCK

STAMPING BLOCK

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1026.07

Expiration Date 06/19/2028

By Ishag I. Zhan
Miami-Dade Product Control

REVISIONS:
(1) 4/12/23: WAS PAGE 11, MOVED NOTES TO A NEW PAGE, ADDED ID NUMBERS, REMOVED ITEMS 5A 6A 24 25 & 31-34, ADDED ITEMS 3B 20B 21 39 47 49 & 54, REMOVED SOME NOTES FROM ITEMS 5 & 6, REMOVED ALL NOTES FROM ITEMS 7 & 8, RENAMED ITEMS 10 & 18, ADDED NOTES TO ITEM 20A, UPDATED ITEM 30 NOTES, NEW ANGLE PROFILES AND NOTES FOR ITEMS 35 & 36, REMOVED ITEM 37 & 38 AND REPLACED WITH NEW ITEMS 37 & 38, ADDED ALLOYS AND NOTES TO ALL FASTENERS, ITEM 40 NOW A SCREW (WAS A MACHINE SCREW), REMOVED ITEM 42 AND REPLACED WITH NEW ITEM 42 (FOR A LARGER SIZE HOOD FASTENER), ADDED MORE NOTES TO ITEM 53, MOVED ITEMS 60 61 & 62 TO A NEW PAGE, AND REMOVED ALL UNUSED ROWS.

APR 13 2023
DRAWN BY MES
DATE 4/12/23
SCALE
SHEET NO. 14 OF 15
OLD DRAWING NO. ESD-635PD

ESD-635PD & OPTIONS

PARTS LIST

SUBSTRATES & ANCHORS					①
ITEM	SUBSTRATE	ANCHOR DESCRIPTION	MAT'L	ANCHOR NOTES	
60A	CONCRETE: MIN 4" THICK, MIN 3 KSI, MIN NORMAL WEIGHT CRACKED	HILTI KWIK BOLT TZ2 EXPANSION ANCHOR, 6" MAX CENTERS ALONG CURB FLANGE, Ø3/8" ONLY X MIN LENGTH OF 3"	300 SS	MIN 2.5" NOM. EMBEDMENT, MIN 4.38" TO CONCRETE EDGE/END, FULL BEARING REQUIRED UNDER CURB FLANGE, ALSO ACCEPTABLE IS 300 SS THRU-BOLT MIN 3/8-16 WITH MIN 2" O.D. BY MIN 0.05" THICK WASHER AT NUT	
60B		HILTI KWIK BOLT TZ2 EXPANSION ANCHOR, 2 PER CORNER ANCHOR PLATE AT 6" MAX CENTERS, Ø3/8" ONLY X MIN LENGTH OF 3.5"			
61A	STEEL: MIN 16 GA, MIN FY 50 KSI OR MIN 1/8" ASTM A3, MIN FY 36KSI	ELCO BI-FLEX SELF-DRILLING SCREW, 3" MAX CENTERS ALONG CURB FLANGE, MIN 1/4-(14 OR 20) X 1" MIN LENGTH	MULTI	FULL THREAD ENGAGEMENT, MIN 0.5" STEEL EDGE/END, 300 SS HEAD/SHANK WITH COATED STEEL DRILL POINT, FULL BEARING REQUIRED UNDER CURB FLANGE, ALSO ACCEPTABLE IS 300 SS THRU-BOLT MIN 1/4-20 WITH MIN 0.5" O.D. BY MIN 0.04" THICK WASHER AT NUT	
61B		ELCO BI-FLEX SELF-DRILLING SCREW, 9 PER CORNER ANCHOR PLATE AT 0.75" MAX CENTERS, MIN 1/4-(14 OR 20) X 1.5" MIN LENGTH			
62A	WOOD: MIN 3" ACTUAL THICKNESS, MIN S.G. 0.042	LAG BOLT, 3" MAX CENTERS ALONG CURB FLANGE, MIN Ø1/2" X 3" MIN LENGTH	300 SS	MIN 2" THREAD ENGAGEMENT, MIN 2.9" PENETRATION, MIN 1.5" WOOD EDGE, MIN 2.63" WOOD END, FULL BEARING REQUIRED UNDER CURB FLANGE, ALSO ACCEPTABLE IS 300 SS THRU-BOLT MIN 1/2-13 WITH MIN 2" O.D. BY MIN 0.05" THICK WASHER AT NUT	
62B		LAG BOLT, 3 PER CORNER ANCHOR PLATE AT 3" MAX CENTERS, MIN Ø1/2" X 3.5" MIN LENGTH			

GENERAL NOTES:

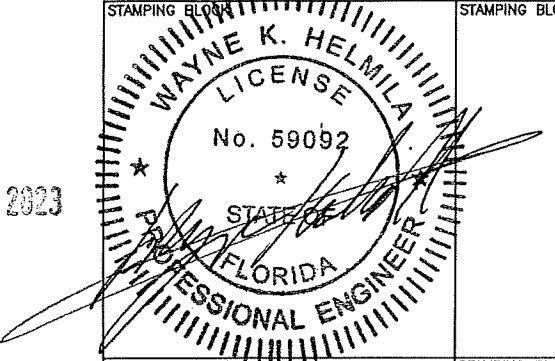
1. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE PENTHOUSE ASSEMBLY.
2. THE PENTHOUSE WITH OPTIONAL HOOD AND WITH OPTIONAL CURB HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE MIAMI-DADE COUNTY PROTOCOLS (AND QUALIFIED IN ACCORDANCE WITH THE CURRENT FL. BLDG. CODE AND TEST PROTOCOLS/ STANDARDS THEREIN) TO: TAS-201 (LARGE MISSILE IMPACT, 50 FT/S IMPACT SPEED), TAS-202 (UNIFORM STATIC WIND PRESSURE), AND TAS-203 (UNIFORM CYCLIC WIND PRESSURE).
3. THE PENTHOUSE, OPTIONAL HOOD, AND OPTIONAL CURB HAVE BEEN DESIGNED, TESTED, AND APPROVED TO WITHSTAND DESIGN PRESSURES OF +/- 115 PSF (ASD).
4. A CURB AND A HOOD ARE AVAILABLE AS OPTIONS. A PENTHOUSE WITHOUT THESE OPTIONS STILL MAINTAINS FULL NOA APPROVAL. THE PENTHOUSE MANUFACTURER IS NOT RESPONSIBLE FOR QUALIFICATIONS, APPROVALS, INSTALLATION, FASTENING, ETC. OF A CURB OR HOOD PROVIDED BY OTHERS.
5. CONSTRUCTION: HEADS, JAMBS, AND BLADES ARE SQUARE CUT AT BOTH ENDS. SILLS ARE MITERED AT BOTH ENDS. OVERALL LOUVER SECTION SIZES GREATER THAN 72" WIDE CONSIST OF TWO LOUVER SECTIONS WHICH SHARE A COMMON SILL. BLADE SPACING IS 4" MAX. EACH JAMB IS SECURED TO THE SILL WITH (2) #10x1" COUNTERSUNK SCREWS AND WELDED. BLADES AND HEADS ARE SECURED TO JAMBS WITH (2) #10x1.25" SCREWS AND WELDED. ALL WELD FILLER ALLOY IS 5356.
6. THE PENTHOUSE MANUFACTURER DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUBSTRATE STRUCTURE.
7. THE SYSTEM SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ENCLOSED AREA/ROOM INSIDE THE PENTHOUSE IS DESIGNED TO DRAIN WATER PENETRATING INTO THE AREA/ROOM, AND THE AREA/ROOM WILL HOUSE WATER RESISTANT/PROOF EQUIPMENT, COMPONENTS, AND/OR SUPPLIES.
8. INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED.
9. PLATED/PAINTED STEEL ITEMS MAY BE REPLACED WITH EQUIVALENT STAINLESS STEEL ITEMS. STEEL, STAINLESS-STEEL, ALUMINUM PARTS MAY BE MADE OUT OF AN ALTERNATE ALLOY THAT HAS EQUAL OR GREATER YIELD STRENGTH. EXTRUDED ALUMINUM 6061-T6 AND 6005-T5 ARE EQUIVALENT. SHOWN DIMENSIONS ARE MINIMUMS UNLESS NOTED OTHERWISE. ALL DIMENSIONS ARE IMPERIAL/USCS.
10. ALL ALUMINUM, STAINLESS STEEL, AND PLATED/COATED STEEL PARTS PROVIDED BY THE PENTHOUSE MANUFACTURER ARE INHERENTLY CORROSION RESISTANT AND/OR HAVE A CORROSION RESISTANT COATING.
11. THE ITEM ID NUMBERS SHOWN ARE FOR FACTORY TRACKING PURPOSES AND MAY BE UPDATED AT ANY TIME. ANY ID NUMBER UPDATE WILL NOT ALTER THE ITEM AS DESCRIBED HEREIN.

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APR 13 2023



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1026.07
Expiration Date 06/19/2028
By Ishag I. Chank
Miami-Dade Product Control

REVISIONS:
① 4/12/23: GENERAL NOTES AND ITEMS 60-62 MOVED TO THIS NEW PAGE. ITEMS 60-62 INFORMATION INCORPORATED INTO A SUBSTRATE & ANCHOR TABLE, SEPARATED ANCHORS INTO ALONG CURB FLANGE (ITEMS 60A-62A) AND AT CORNER ANCHOR PLATE LOCATIONS (ITEMS 60B-62B). UPDATED TABLE ON-CENTERS & OFFSETS, CALLED OUT SPECIFIC ANCHOR BRANDS & TYPES FOR ITEMS 60-61, ADDED THRU-BOLT OPTIONS FOR ITEMS 60-62, RE-WORDED NOTE 2, PRESSURE REMOVED FROM NOTE 2 AND MOVED TO A NEW NOTE 3, OLD NOTES 3-4 WERE COMBINED AND RE-WORDED INTO A NEW NOTE 4, WELD FILLER ALLOY ADDED TO NOTE 5, OLD NOTES 6-9 DELETED AND INFORMATION MOVED INTO SUBSTRATE & ANCHOR TABLE, WOOD S.G. DENSITY UPDATED, OLD NOTE 10 REMOVED, RE-NUMBERED OLD NOTES 11-14 TO NOW BE NOTES 6-9, ADDED LAST 4 SENTENCES TO NOTE 9, AND ADDED NEW NOTES 10-11.

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MODEL: ESD-635PD & OPTIONS

DESC: SUBSTRATE, ANCHORS, GENERAL NOTES

DRAWN BY MES
DATE 4/12/23
SCALE
SHEET NO. 15 OF 15
CADD DRAWING NO. ESD-635PD