



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

Air System Components, Inc. dba PennBarry
605 Shiloh Road
Plano, TX 75074

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 PHB-HW Aluminum Penthouse Louver

APPROVAL DOCUMENT: Drawing No. **60-022684-00D**, titled "PHB-HW PENTHOUSE", sheets 1 through 9 of 9, prepared by the manufacturer, dated 02/09/2023, signed and sealed by Jeffrey D. Smith, P.E., bearing the Miami-Dade County Product Control approval 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, Geneva, AL, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This system is to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/water proof equipment, components, or supplies.

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.**



NOA-No. 23-0406.02
Expiration Date: April 26, 2028
Approval Date: June 22, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's AND NEW

A. DRAWINGS

1. Drawing No. **60-022684-00D**, titled "PHB-HW PENTHOUSE", sheets 1 through 9 of 9, prepared by the manufacturer, dated 02/09/2023, signed and sealed by Jeffrey D. Smith, 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 Rooftop Louver System PHB637HDHD, prepared by Intertek, Test Report No. **H8350.01-450-18**, dated 03/30/2018, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Addendum to wind load review prepared by the manufacturer, dated 07/27/2018, signed and sealed by Melissa M. Massar, P.E.
2. Wind load review prepared by prepared by the manufacturer, dated 04/12/2018, signed and sealed by Melissa M Massar, 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, issued by the manufacturer, dated 02/05/2023, signed and sealed by Jeffrey D. Smith, P.E
2. Private label agreement dated 04/20/2023.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 23-0406.02
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PHB-HW STANDARD PARTS

ITEM	DESCRIPTION	MATERIAL	DWG. #
1	HEAD CHANNEL	.170" THK. EXTRUDED ALUM 6063-T6	CO23511
2	SILL FRAME	.125" THK. EXTRUDED ALUM 6063-T6	70-021130-00B
3	JAMB FRAME	.125" THK. EXTRUDED ALUM 6063-T6	70-020691-00B
4	BLADE	.080" THK. EXTRUDED ALUM 6063-T6	70-020560-00B
5	BLADE BRACE	.100" THK. EXTRUDED ALUM 6063-T6	70-020568-00B
6	6" BLADE SUPPORT (H.V.B.S.)	.094" THK. EXTRUDED ALUM 6063-T6	70-021465-00B
7	EXTENDED SILL	.125" THK 5005-H34 FORMED ALUM.	REF DETAIL 18/06
8	6" X 3" ROOF SUPPORT	.125" THK. EXTRUDED ALUM 6063-T6	REF DETAIL 20/06
9	4" X 1" ROOF SUPPORT	.125" THK. EXTRUDED ALUM 6063-T6	A7070
10	WATER SEAL	.125" THK 5005-H34 FORMED ALUM.	REF DETAIL 22/07
11	LIFTING LUG	.375" THK 5005-H34 FORMED ALUM.	REF DETAIL 21/06
12	CORNER FLASHING	.080" THK. 5005-H34 FORMED ALUM.	REF DETAIL 23/07
13	2" X 2" X .250" CORNER ANGLE	.250" THK EXTRUDED ALUM 6063-T6	REF DETAIL 24/07
14	SILL SUPPORT	.125" THK 5005-H34 FORMED ALUM.	REF DETAIL 25/08
15	2" WIDE CROSS STRAP	.125" THK ASTM A653, GRADE 33 GALV. STEEL	REF DETAIL 26/08
16	ROOF SKIN	.125" THK. 5005-H34 FORMED ALUM.	REF DETAIL 17/06
17	ROOF HINGE (3/8" PIN, 2" KNUCKLE)	.125" THK. 5052 ALUM.	REF DETAIL 27/08
18	1.500" X 1.500" X 1/8" X 2" LG CLIP ANGLE	.125" THK 3003-H14 FORMED ALUM.	REF DETAIL 28/08
19	5/8-11 X 1.500" LG H.H.B. W/ LOCKNUT & WASHER	ASTM A325, ZINC COATED	-
20	1/4-20 X 2.500" LG. H.H.B. W/ LOCK WASHER & HEX NUT	ASTM A307, GRADE A, ZINC COATED	-
21	3/8-16 X 1.500" LG. H.H.B. W/ WASHER, LOCK WASHER & HEX NUT	ASTM A307, GRADE A, ZINC COATED	-
22	#10-16 X 1" LG H.W.H. S.D. SCREW	SAE GRADE 2, ZINC COATED	-
23	1/4-14 X 1.500" LG H.W.H. S.D. SCREW	SAE GRADE 2, ZINC COATED	-
24	#10-16 X 1 1/2" LG H.W.H. S.D. SCREW	SAE GRADE 2, ZINC COATED	-

CURB SUBSTRATE FASTENER TABLE 2 (BY OTHERS)

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	0.42 SPECIFIC GRAVITY	3/8" DIA. LAG SCREW	3"	1 1/2"
STEEL	12 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	1/4" DIA. SELF TAPPING SCREW	3 THREADS BEYOND SUB.	3/8"
CONCRETE	2500 PSI COMP. STRENGTH	3/8" DIA. HILTI KWIK BOLT 3, CARBON STEEL	2 1/2"	2 1/2"

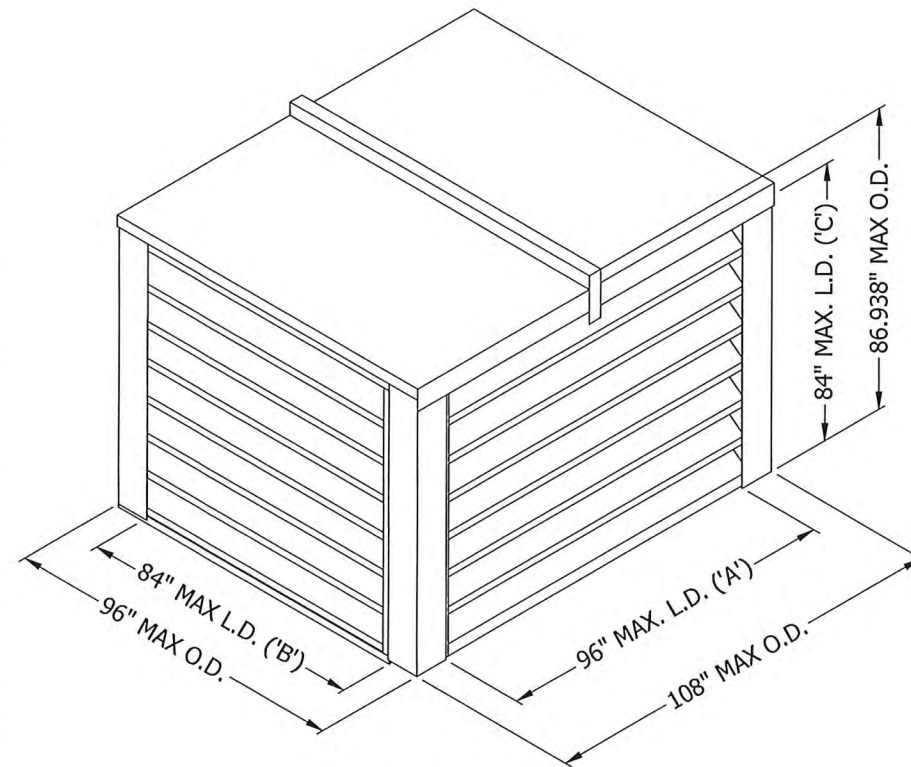
NOTES:

- 1) THE PHB-HW HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE AND CYCLIC WIND PRESSURE.
- 2) THIS PENTHOUSE SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF +/- 110 PSF OR LESS.
- 3) IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER/BUILDING DESIGN ENGINEER OF RECORD TO VERIFY THE STRUCTURAL INTEGRITY OF THE ROOF CURB/STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THIS PENTHOUSE SYSTEM.
- 4) 'A'+12" AND 'B'+12" ARE THE OUTSIDE DIMENSIONS OF THE PENTHOUSE SIDES. 'A' AND 'B' ARE THE INSIDE DIMENSIONS OF THE CURB.
- 5) THE MAXIMUM OUTSIDE DIMENSIONS OF THE PENTHOUSE ARE 96"X108"X84" TALL AS INDICATED ON THESE DRAWINGS. THE MINIMUM OUTSIDE DIMENSIONS OF THE PENTHOUSE ARE 24"X24"X12" TALL.
- 6) SEALING REQUIREMENTS AROUND THE PENTHOUSE SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 15 OF THE FLORIDA BUILDING CODE.

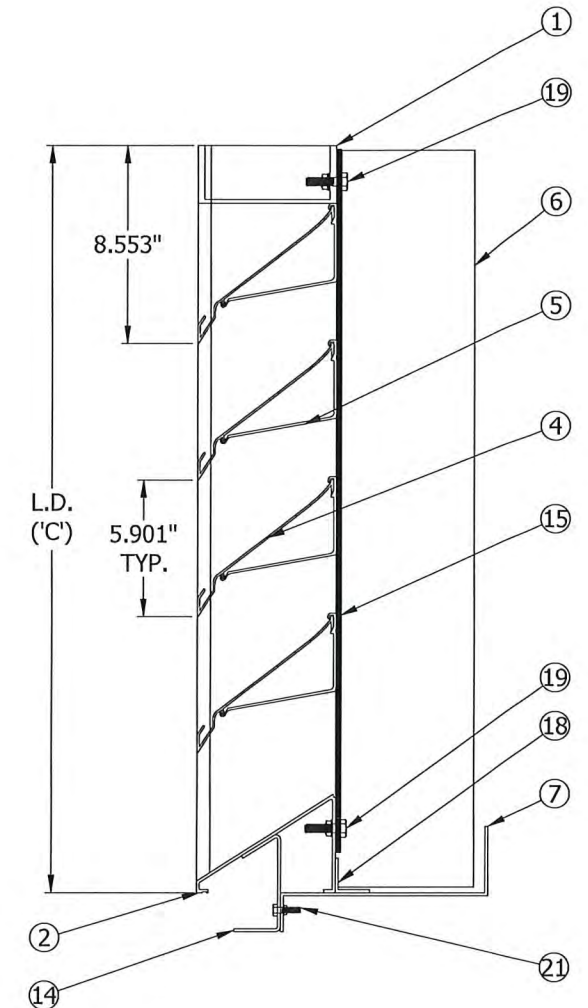
- 7) ALL FASTENERS SHALL BE CORROSION RESISTANT.
- 8) ALL WELDED ATTACHMENTS REQUIRE MIN. FILLER METAL OF 4043 ALUMINUM ALLOY WITH MIN. TENSILE STRENGTH OF 24 KSI.

ABBREVIATIONS:

- CONT. - CONTINUOUS
- H.V.B.S.- HIDDEN VERTICAL BLADE SUPPORT
- L.D. - LOUVER DIMENSION
- MAX. - MAXIMUM
- MIN. - MINIMUM
- NOM. - NOMINAL
- N.T.E. - NOT TO EXCEED
- O/C - ON CENTER
- OPP. - OPPOSITE
- O.D. - OVERALL DIMENSION
- SIM. - SIMILAR
- TYP. - TYPICAL
- U.N.C.- UNLESS NOTED OTHERWISE
- DIM. - DIMENSION
- FLG. - FLANGE
- D - SUBSTRATE DEPTH
- SUB. -SUBSTRATE



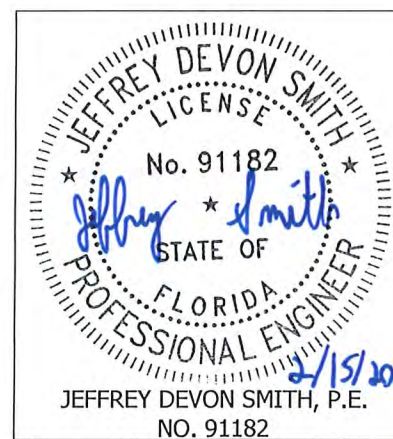
PENTHOUSE ISOMETRIC



PHB-HW
N.T.S.

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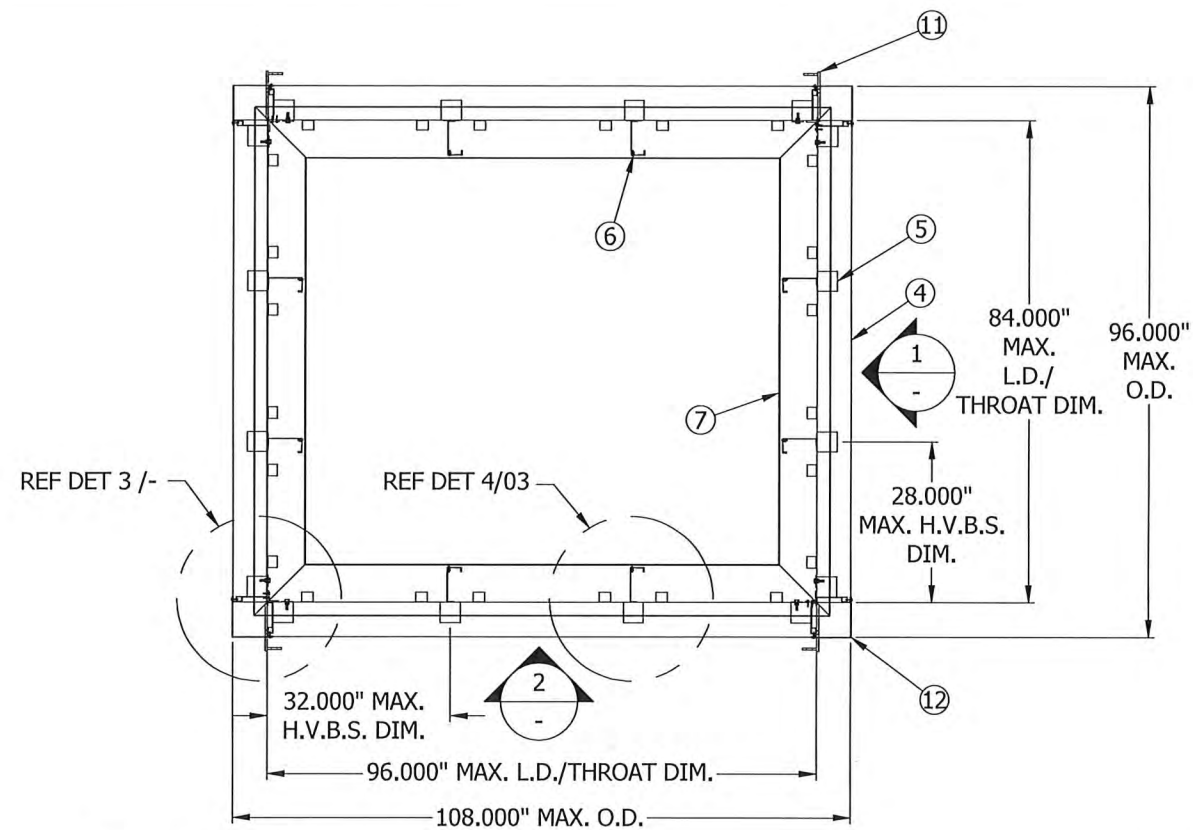
PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 23-0406.02
Approval Date 06/22/2023
By *[Signature]*
Miami-Dade Product Control



JEFFREY DEVON SMITH, P.E.
NO. 91182

DWG. NO. 60-022684-00D
SHEET 01 OF 09

CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPV.D. BY:	APPV.D. BY:	DATE
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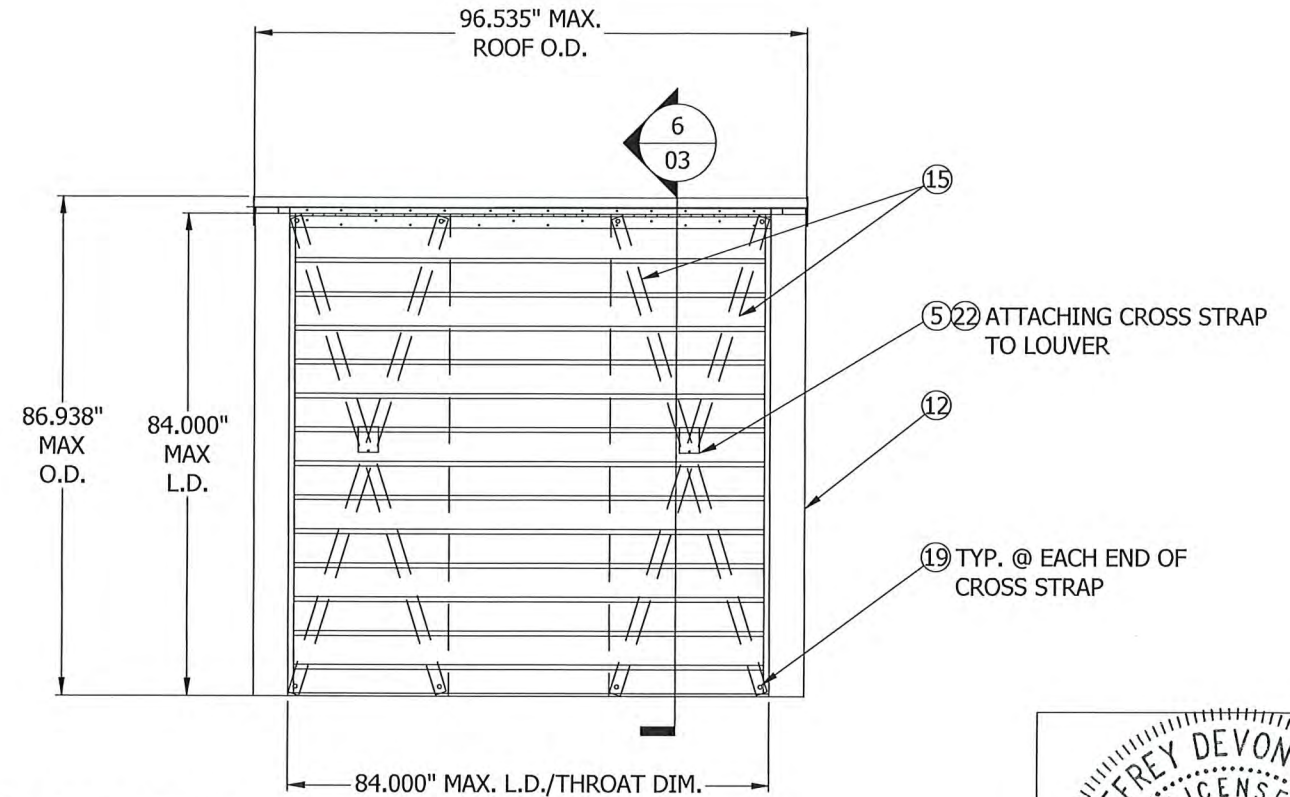


ASSEMBLY "A"

N.T.S.

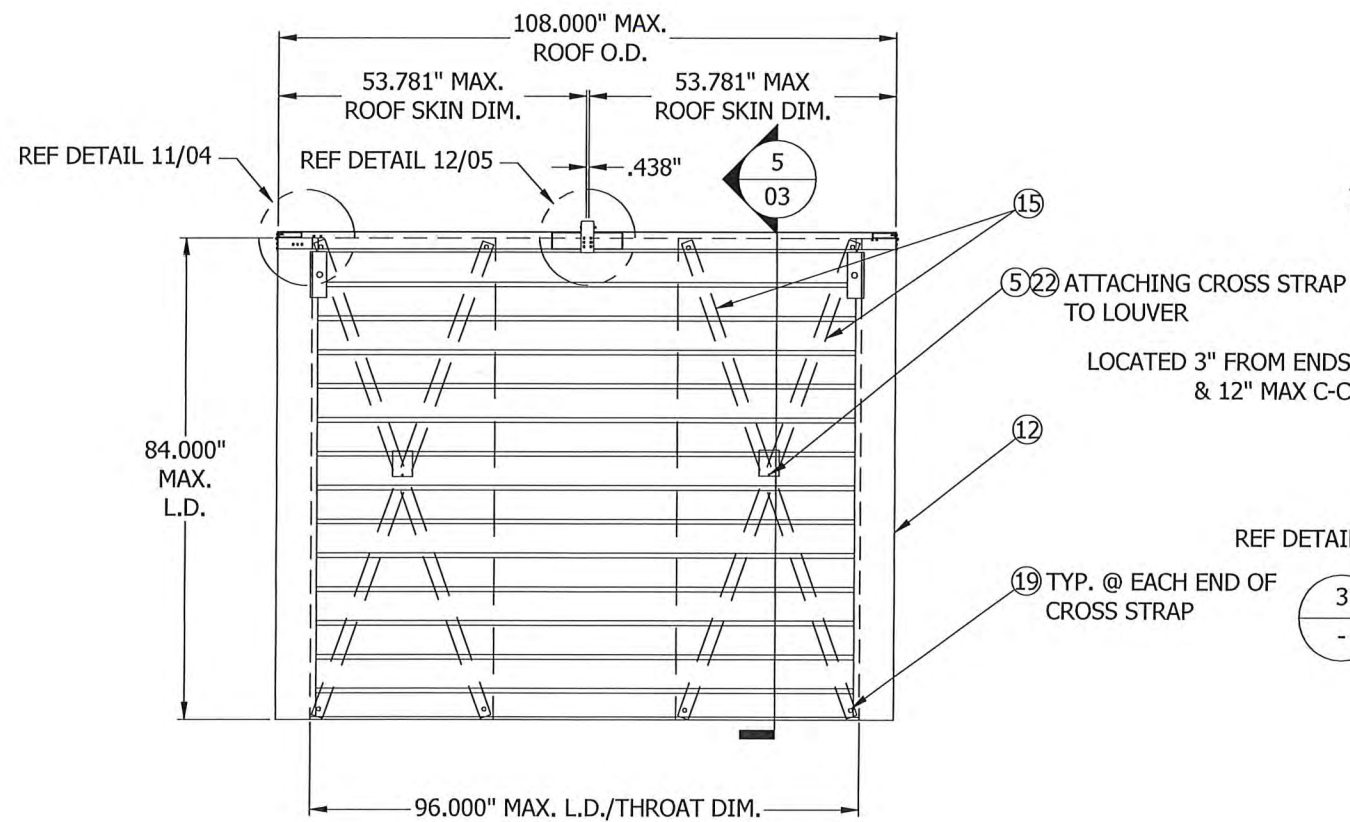
PHB-HW

PLAN VIEW



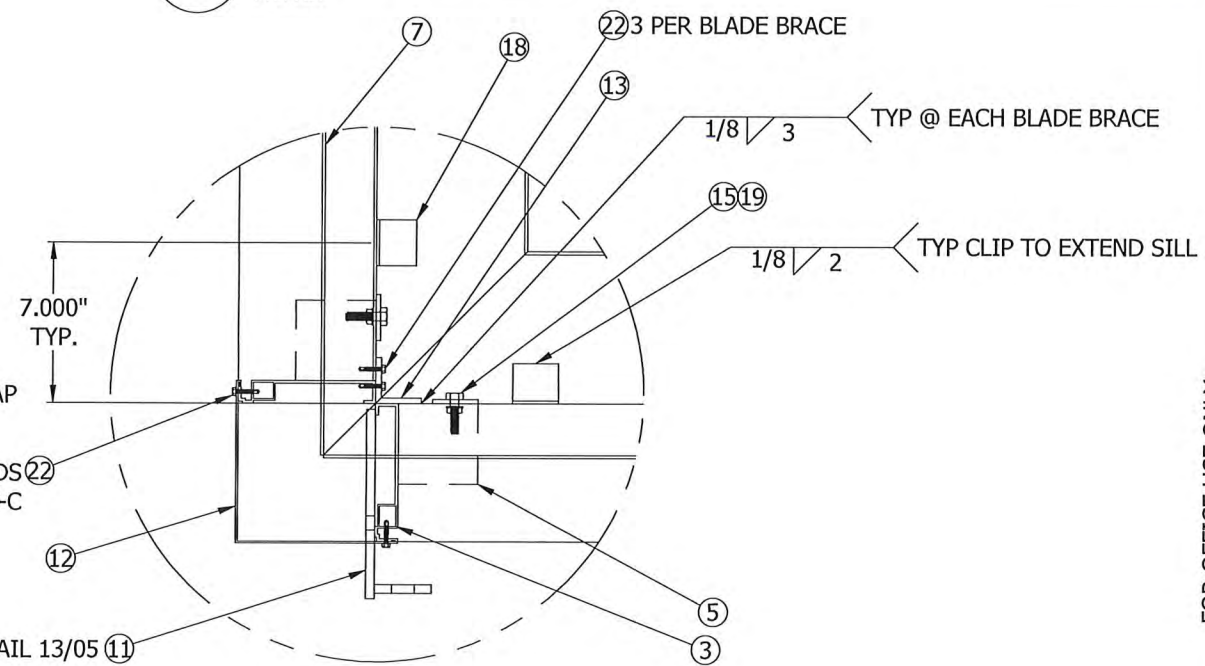
1 ELEVATION DETAIL

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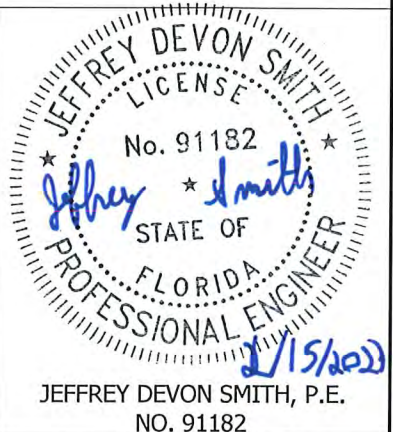
2 ELEVATION DETAIL

N.T.S.



3 CORNER DETAIL

N.T.S.



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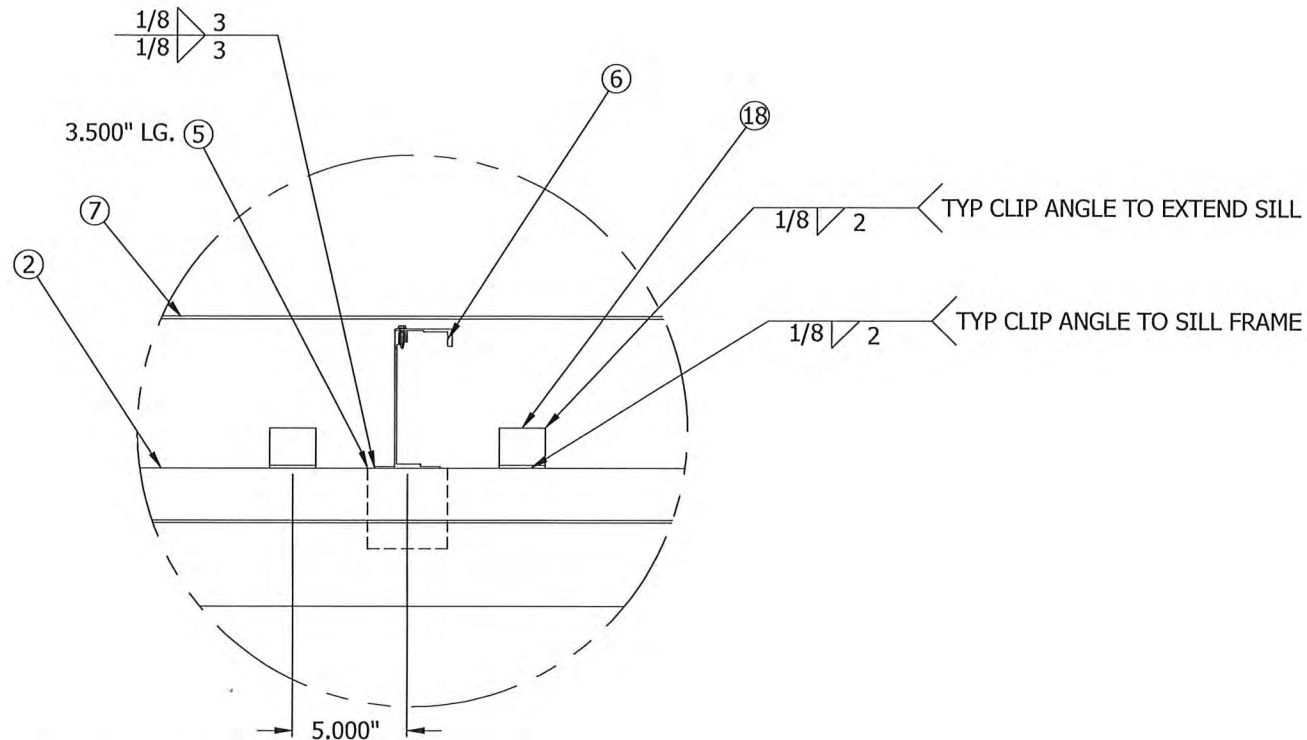
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Approval Date 06/22/2023

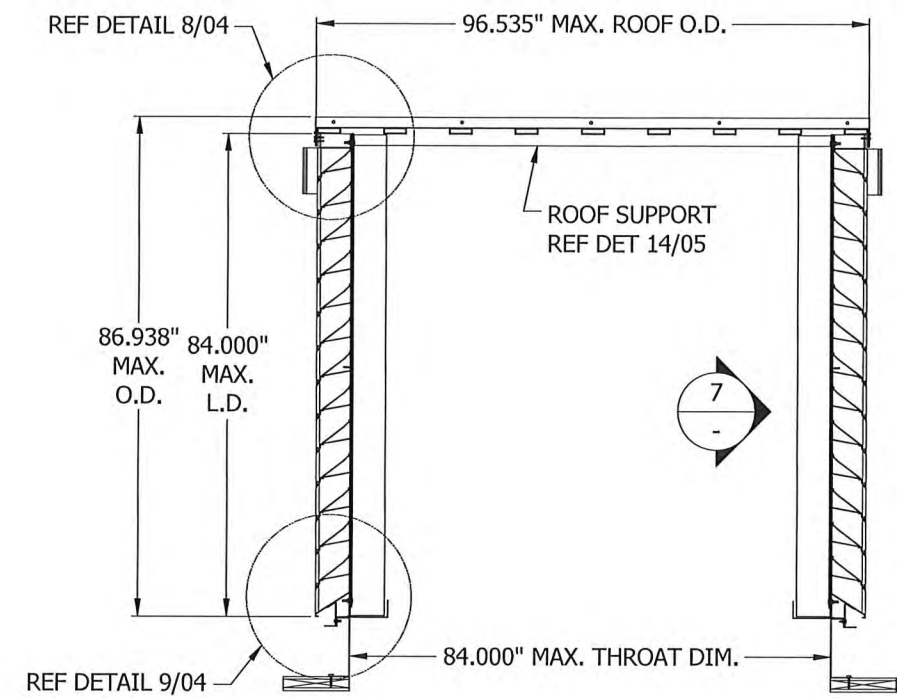
By *[Signature]*
Miami-Dade Product Control

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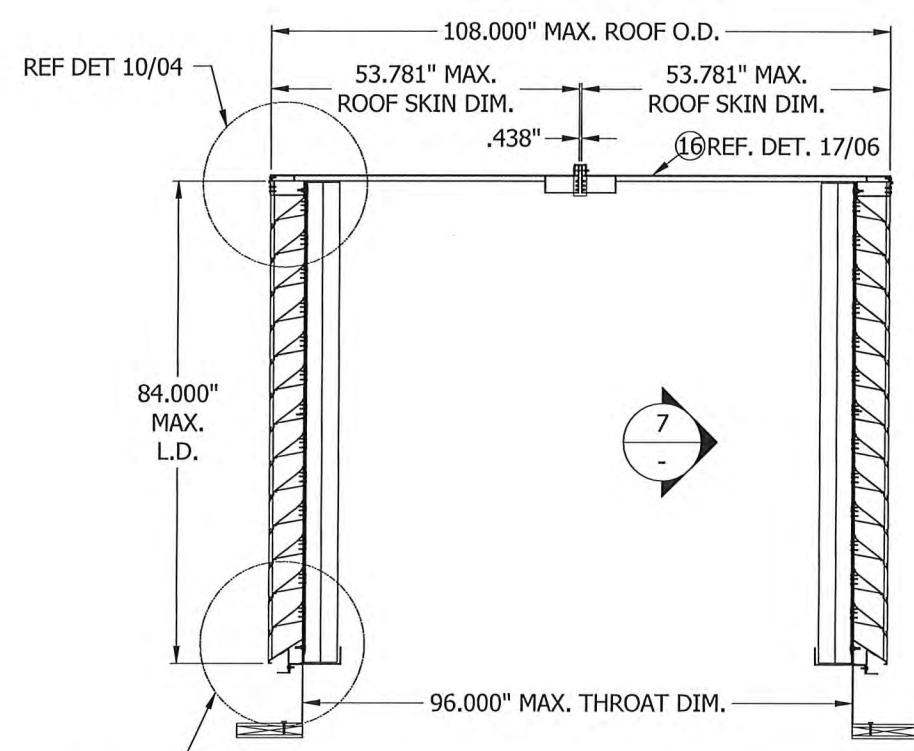
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TITLE: PHB-HW PENNHOUSE DETAILS		DWN. NO.:		60-022684-00D		
SHEET 02 OF 09		605 Shiloh RD PENN BARRY Plano, TX 75074		PLOT SCALE: NONE		



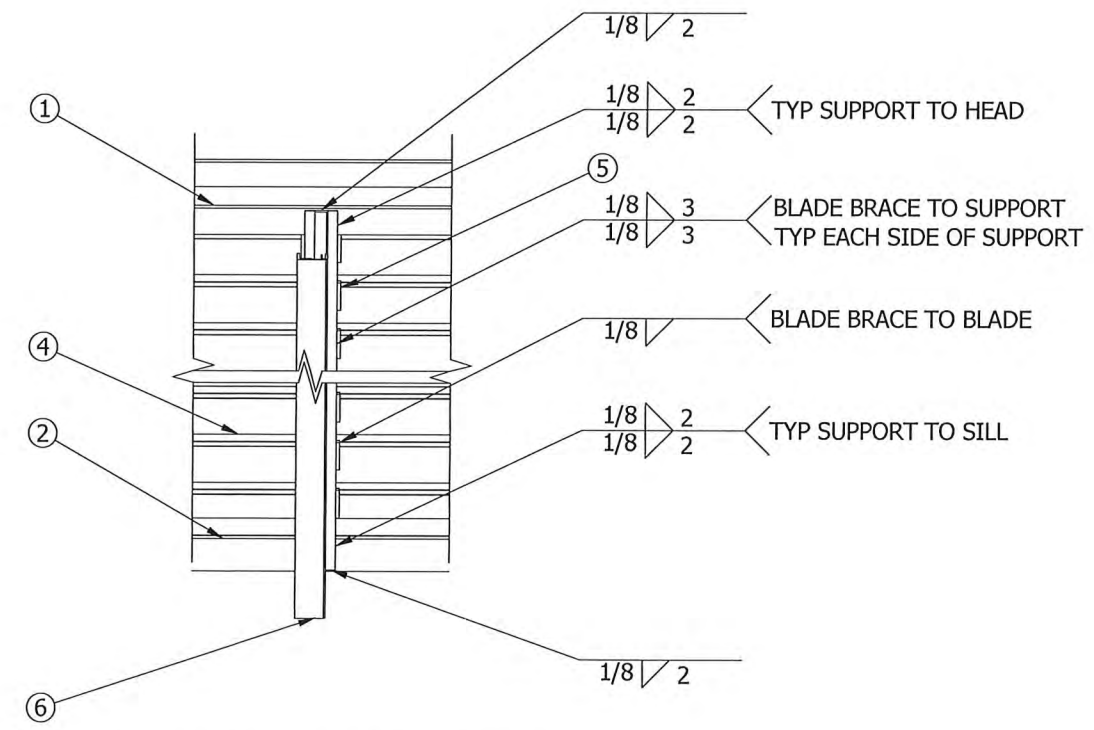
4 BLADE SUPPORT DETAIL
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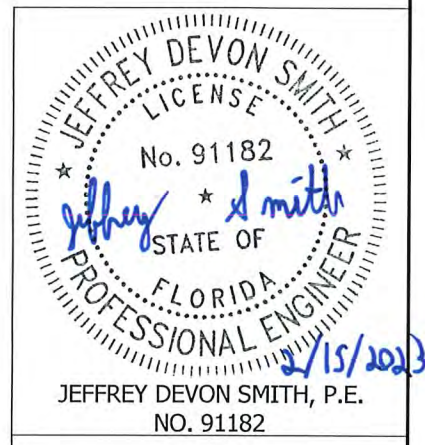
5 PENTHOUSE DETAIL
02 N.T.S.



6 PENTHOUSE DETAIL
02 N.T.S.



7 SUPPORT CONNECTION DETAIL
- N.T.S.

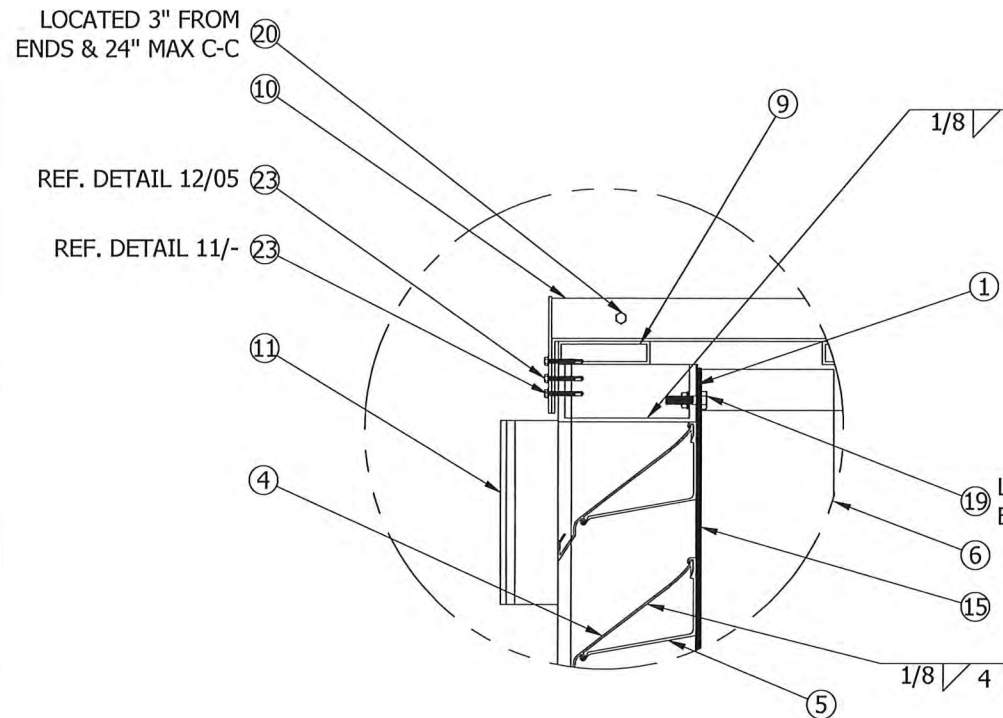


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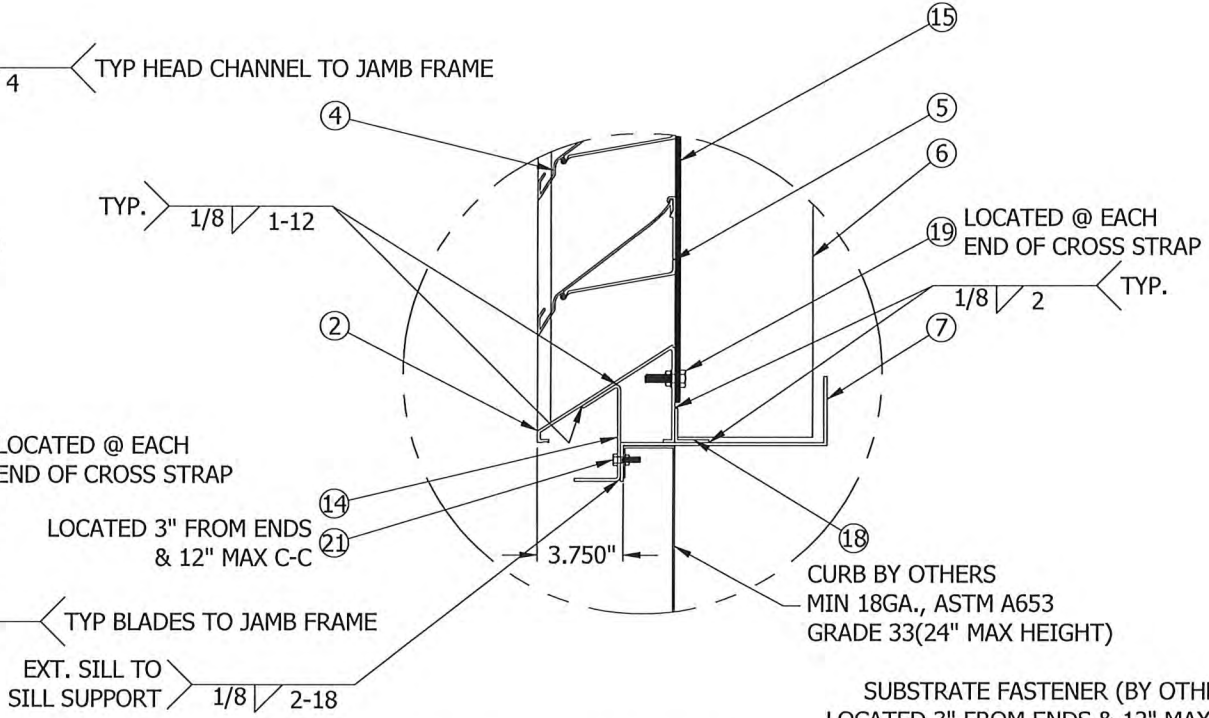
PRODUCT APPROVED
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Approval Date 06/22/2023
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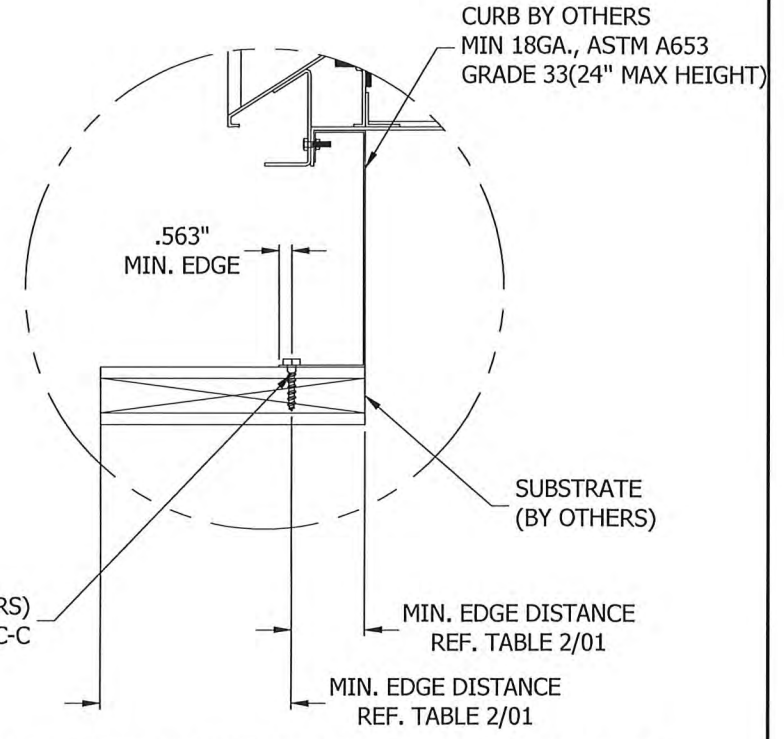
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TITLE PHB-HW PENNHOUSE DETAILS		PLOT SCALE NONE		DWG. NO. 60-022684-00D		
SHEET 03 OF 09						



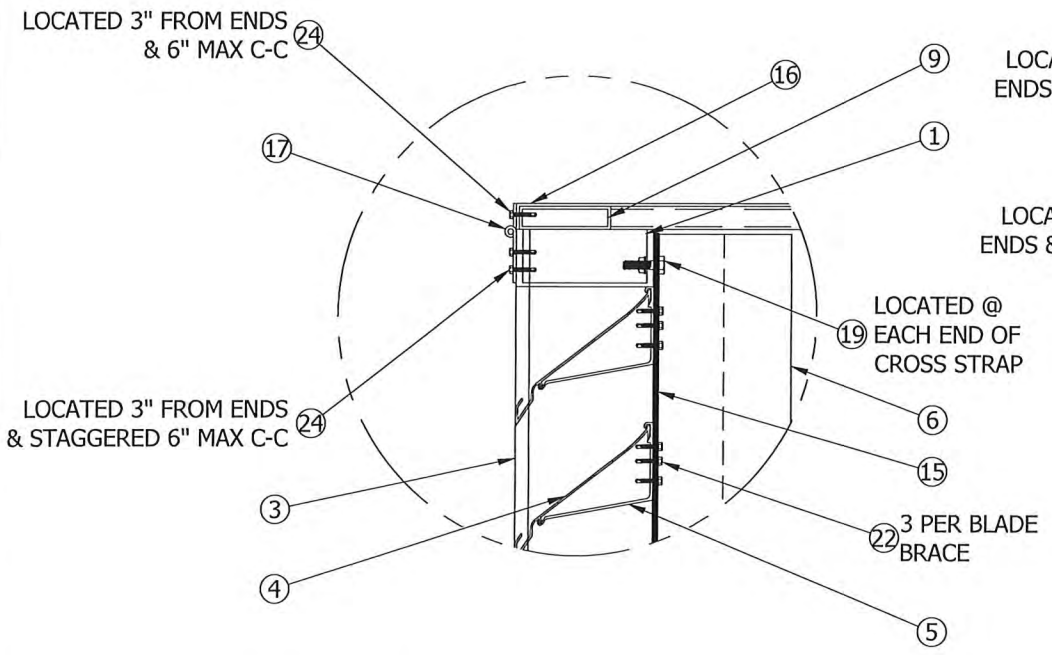
8 ROOF ATTACHMENT DETAIL
03 N.T.S.



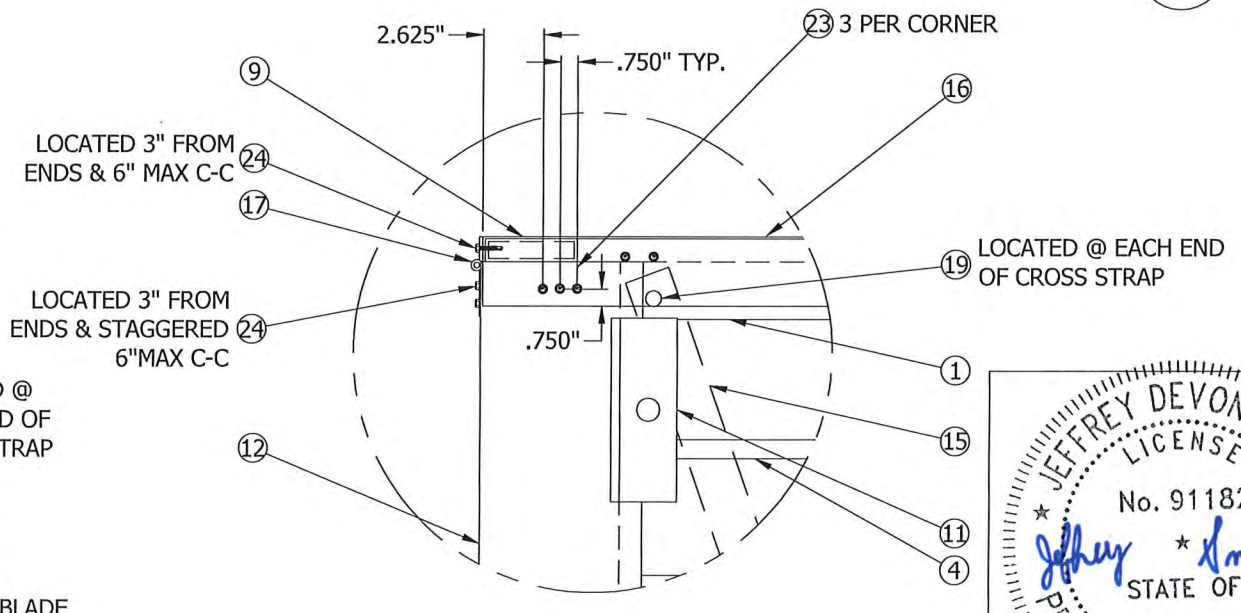
9 SILL ATTACHMENT DETAIL
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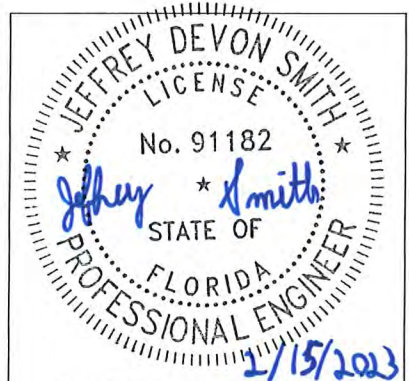
9A CURB ATTACHMENT DETAIL (BY OTHERS)
- N.T.S.



10 ROOF ATTACHMENT DETAIL
03 N.T.S.



11 ROOF ATTACHMENT DETAIL
02 N.T.S.

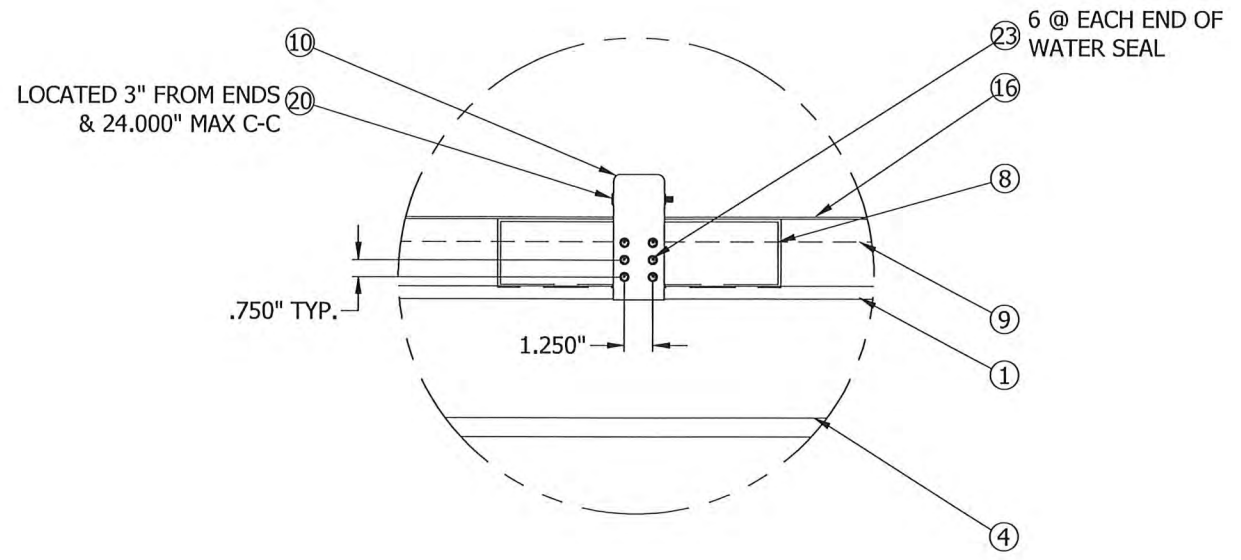


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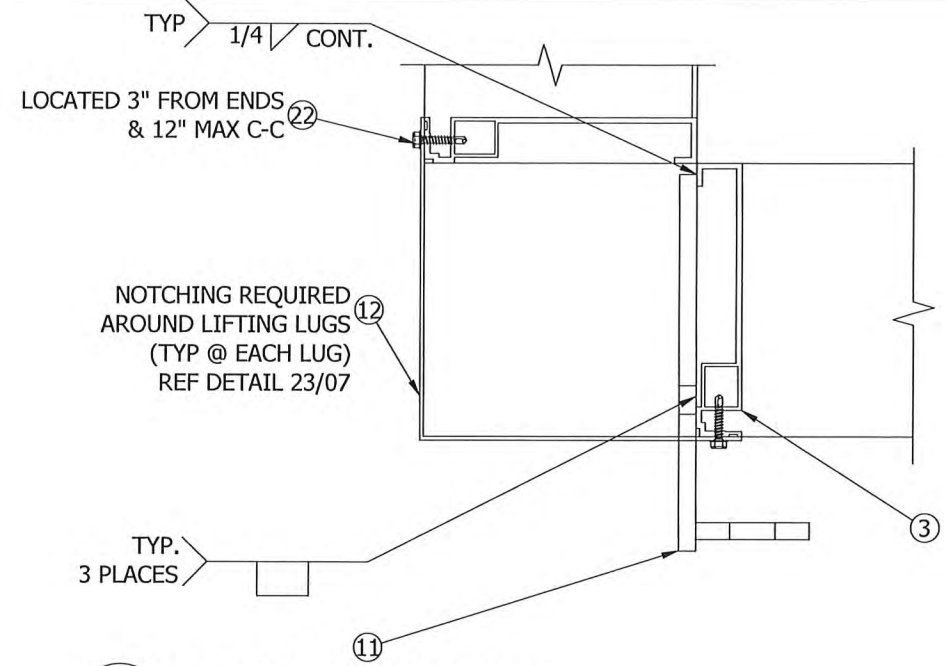
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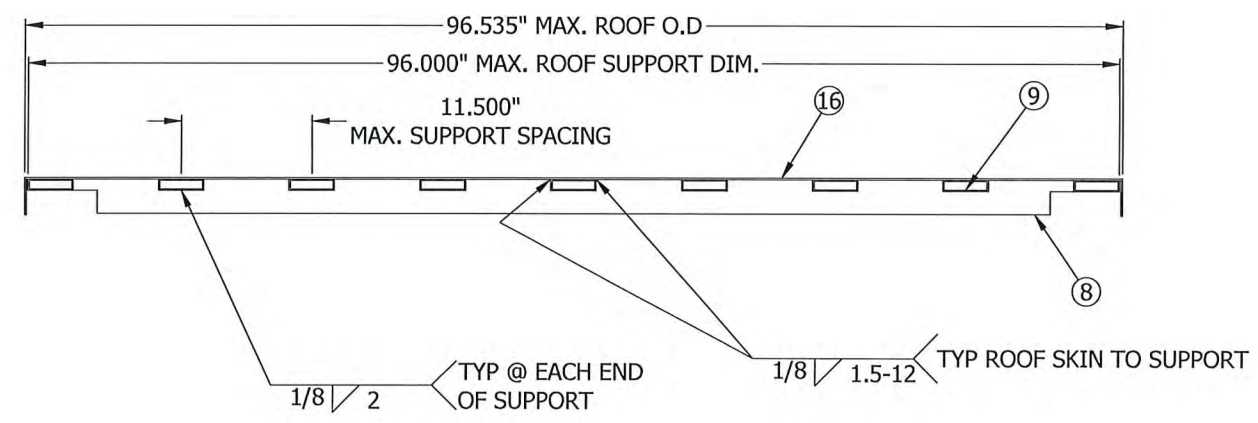
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DATE: 02/01/23	DATE: 02/08/23	DATE: 02/09/23	DATE:	FLOT SCALE: NONE	DWG. CERTIFIED BY: DATE:	
SHEET 04 OF 09				PHB-HW PENNHOUSE DETAILS		60-022684-00D



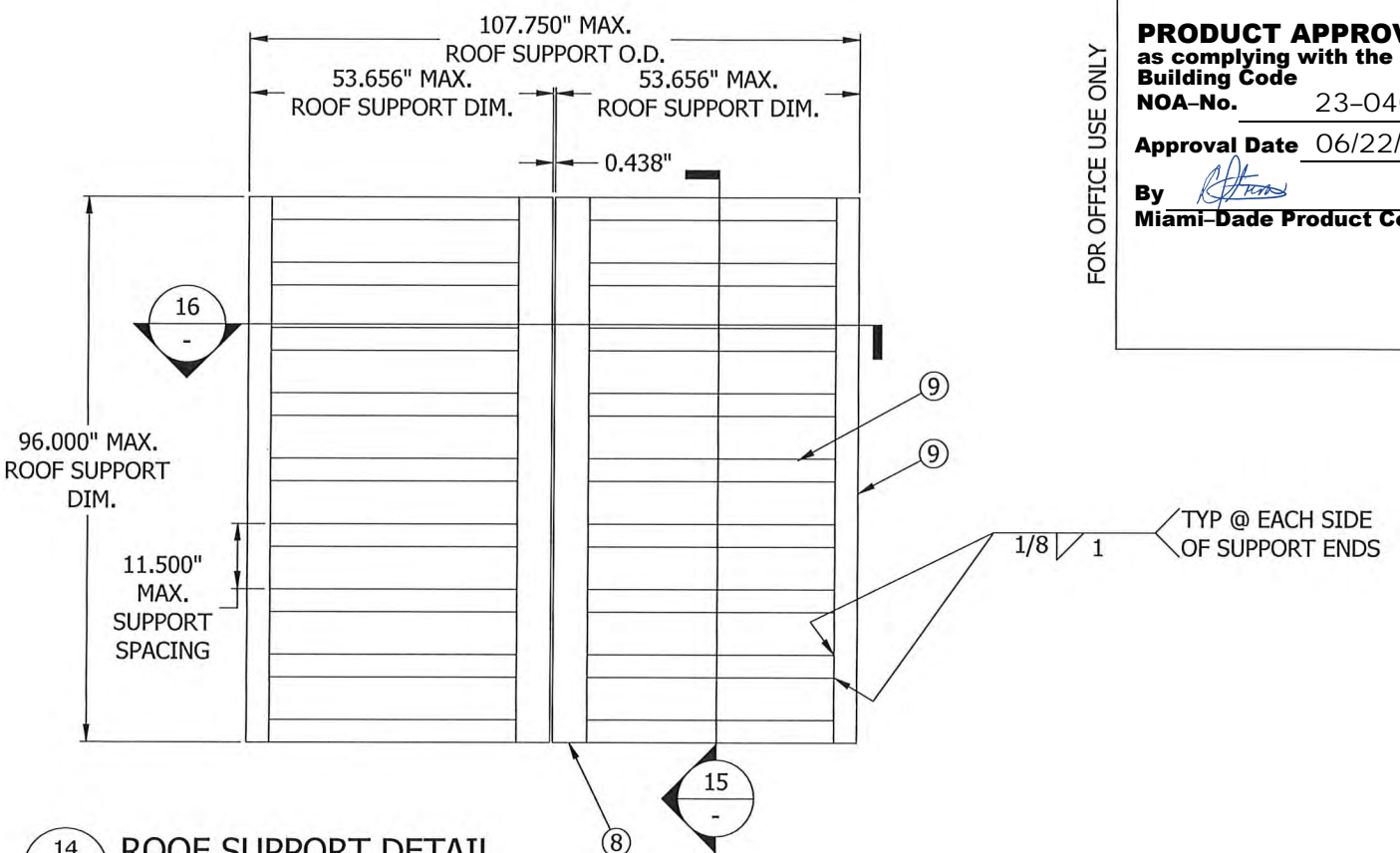
12 ROOF ATTACHMENT AT MIDDLE
02, 04 N.T.S.



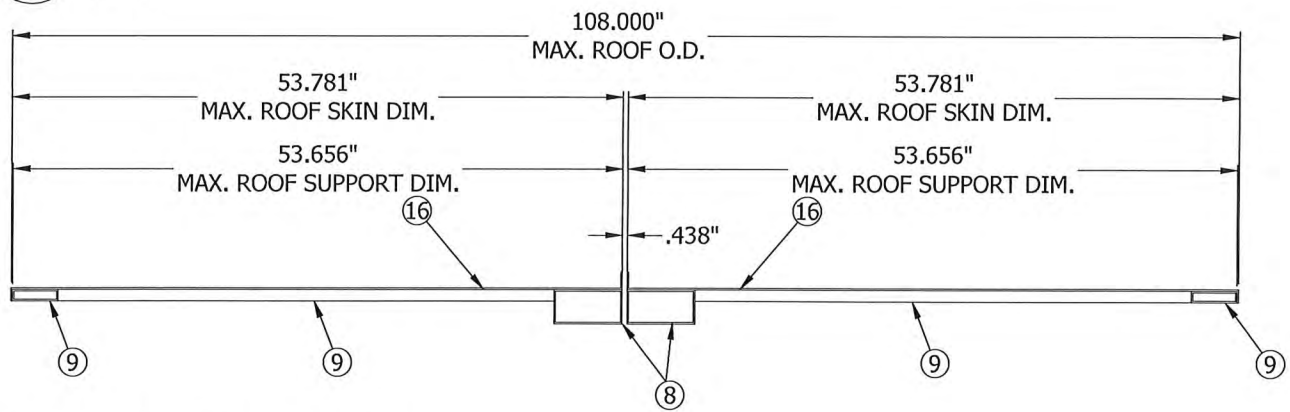
13 LIFT LUG CONNECTION
02 N.T.S.



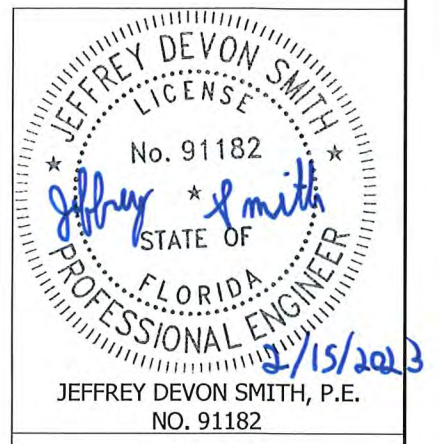
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- N.T.S.



14 ROOF SUPPORT DETAIL
03 N.T.S.



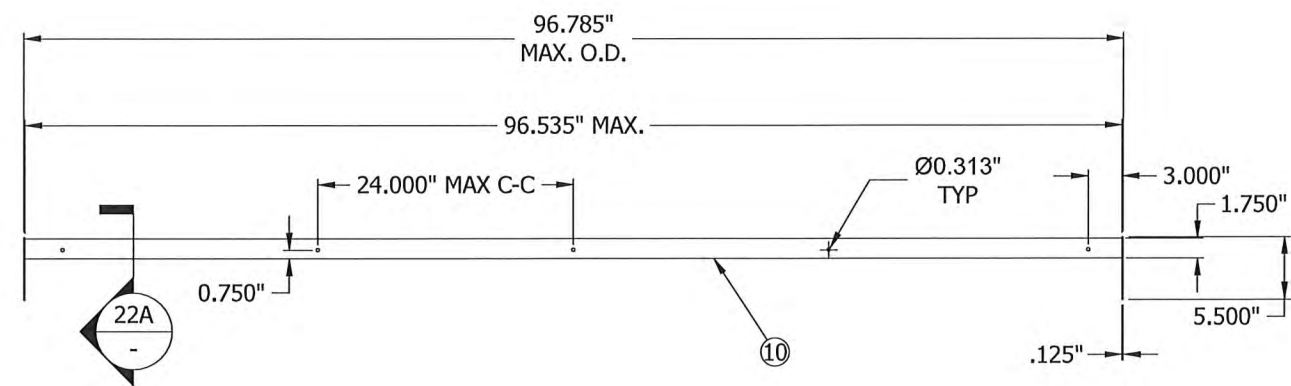
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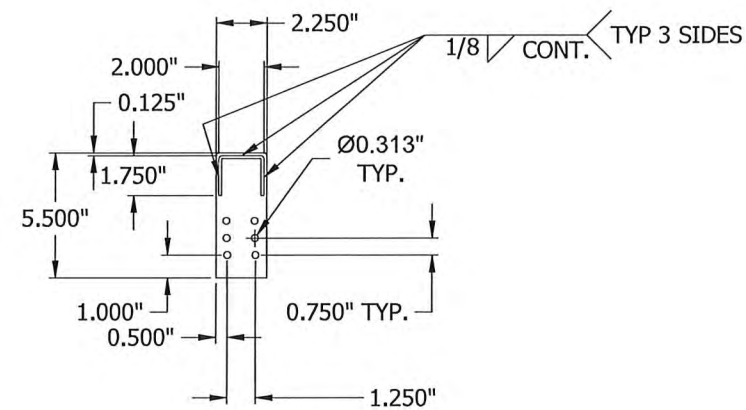
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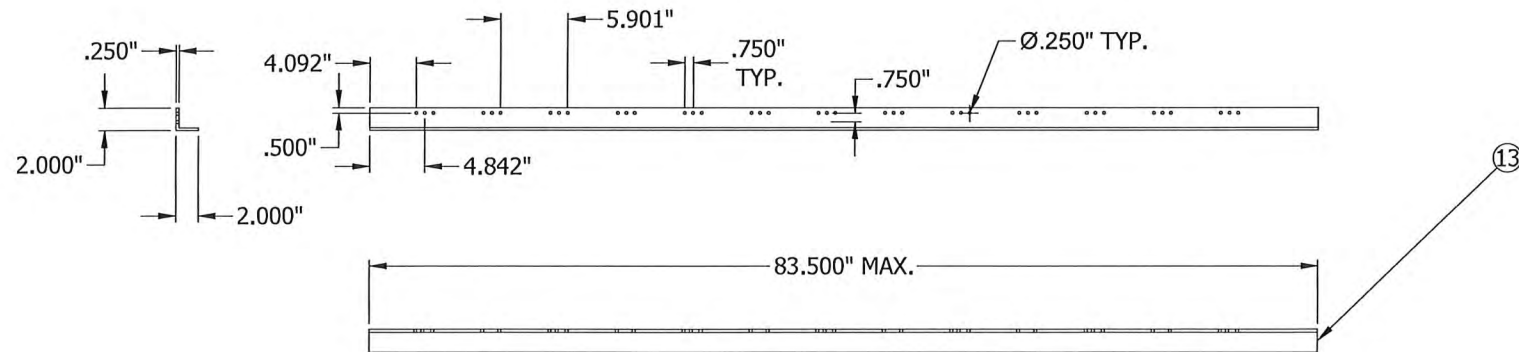
CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPVD. BY:	APPVD. BY:	DATE
NS	605 Shiloh RD PENN BARRY Plano, TX 75074	VMA	JDS			
DATE: 02/01/23		DATE: 02/08/23	DATE: 02/09/23			
TITLE PHB-HW PENNHOUSE DETAILS		PLOT SCALE NONE		DWG. NO. 60-022684-00D		
SHEET 05 OF 09						



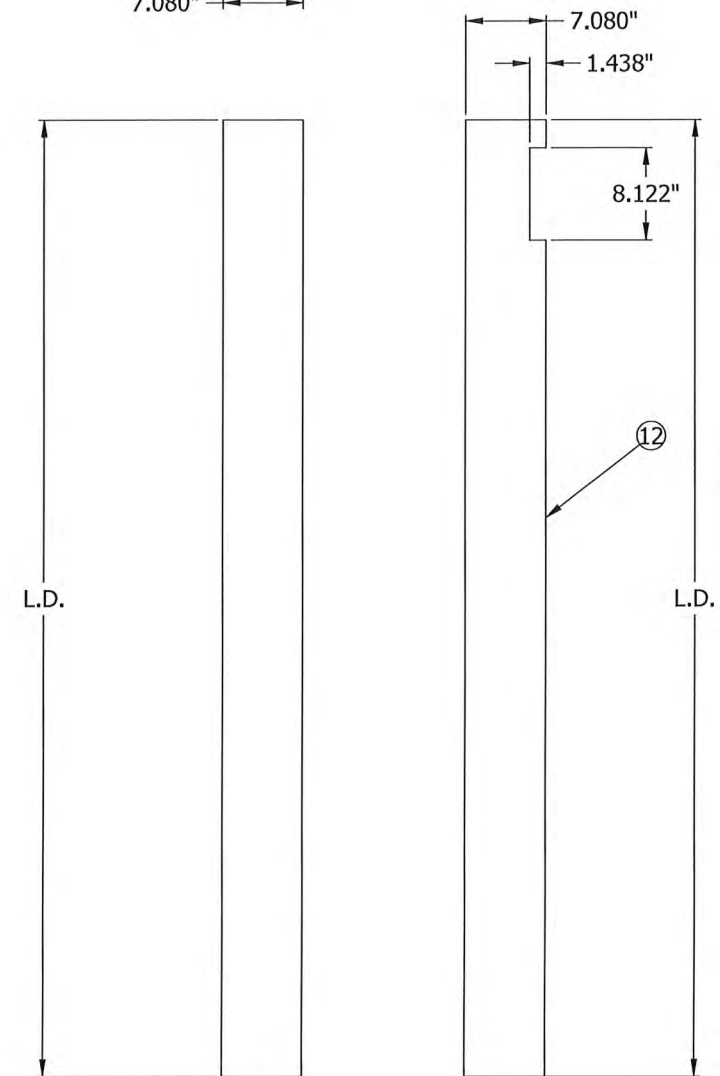
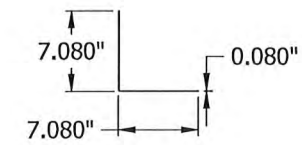
22 WATER SEAL DETAIL
01 N.T.S.



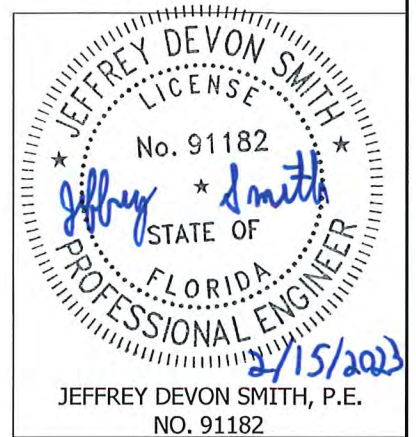
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- N.T.S.



24 CORNER ANGLE DETAIL
01 N.T.S.



23 CORNER FLASHING DETAIL
01, 05 N.T.S.



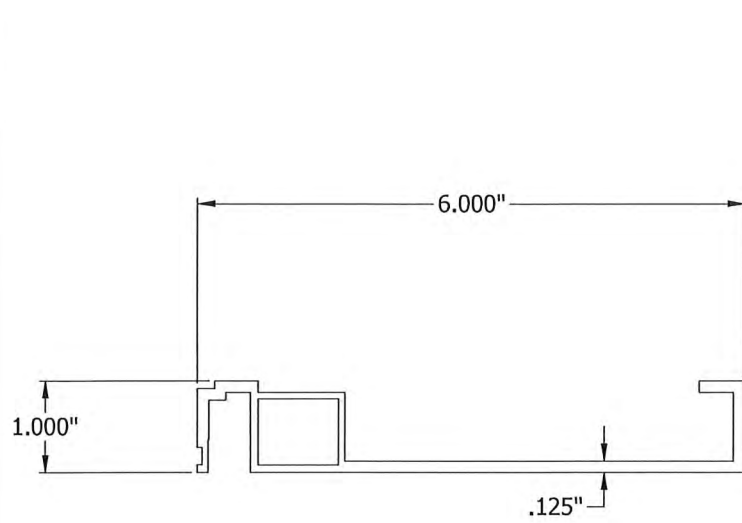
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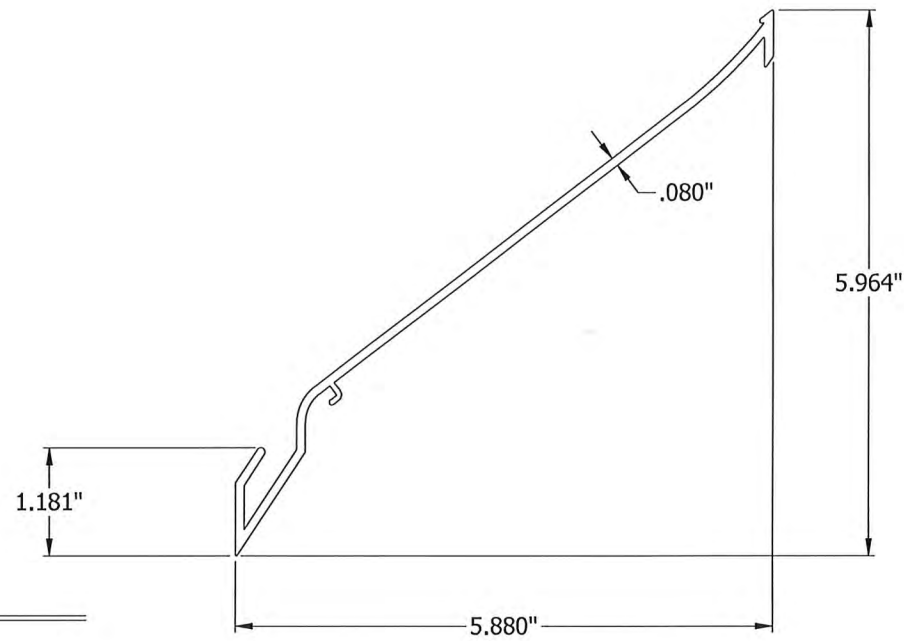
FOR OFFICE USE ONLY

CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPVD. BY:	APPVD. BY:	DATE
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DATE: 02/01/23		DATE: 02/08/23	DATE: 02/09/23			
TITLE PHB-HW PENNHOUSE DETAILS		PLOT SCALE NONE		DWG. CERTIFIED BY: _____ DATE: _____		DWG. NO. 60-022684-00D
SHEET 07 OF 09						



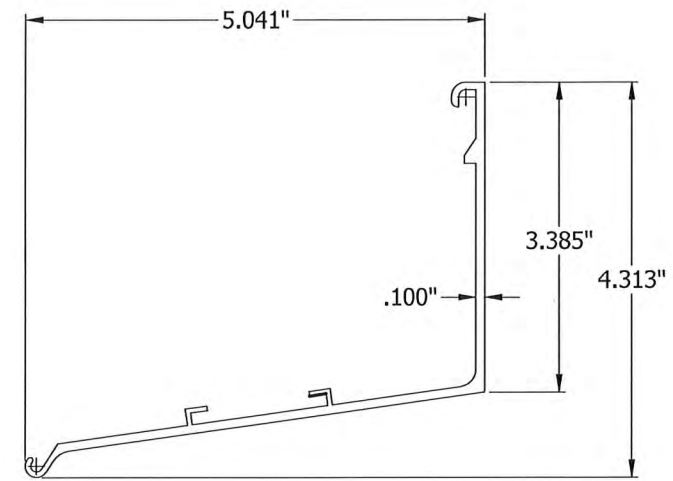
ITEM 3 JAMB FRAME

N.T.S.
RUSKIN # 70-020691-00B



ITEM 4 BLADE

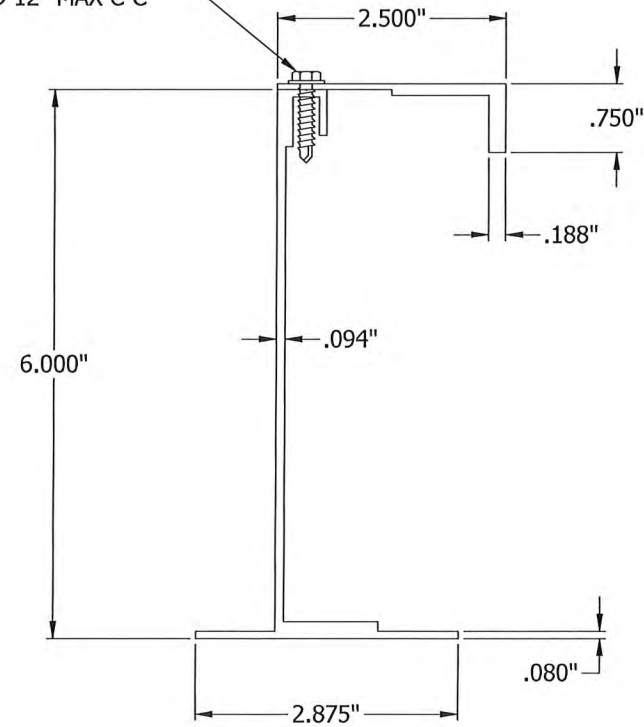
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RUSKIN # 70-020560-00B



ITEM 5 BLADE BRACE

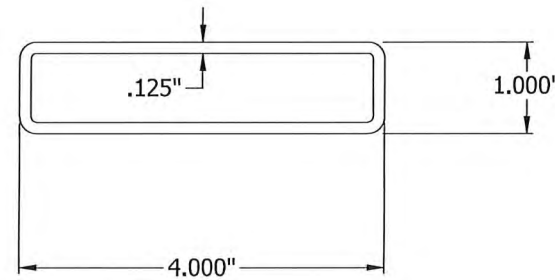
N.T.S.
RUSKIN # 70-020568-00B

#10-16 X .750" LG S.D. SCREW
LOCATED 4" FROM ENDS
AND 12" MAX C-C



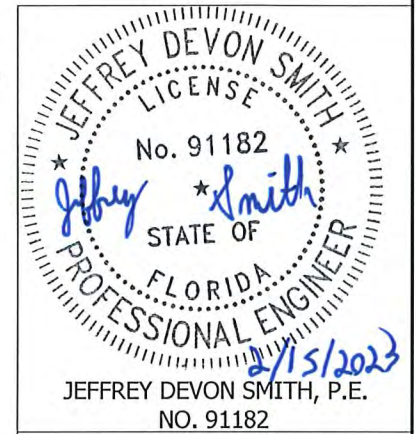
ITEM 6 6" BLADE SUPPORT (H.V.B.S.)

N.T.S.
RUSKIN # 70-021465-00B



ITEM 9 4" X 1" ROOF SUPPORT

N.T.S.
RUSKIN # A7070



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 23-0406.02
Approval Date 06/22/2023
By *[Signature]*
Miami-Dade Product Control

FOR OFFICE USE ONLY

CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPVD. BY:	APPVD. BY:	DATE
NS	605 Shiloh RD PENN BARRY Plano, TX 75074	NS	VMA	JDS		02/01/23
						02/08/23
						02/09/23

SHEET 09 OF 09	TITLE	DWG. NO.
	PHB-HW PENNHOUSE DETAILS	60-022684-00D