



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

Ruskin Company
3900 Dr. Greaves Road
Grandview, MO 64030

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 PHB637HDXD Aluminum Penthouse Louver

APPROVAL DOCUMENT: Drawing No. **60-021966-00D Rev K**, titled "PHB637HDXD PENTHOUSE", sheets 1 through 9 of 9, prepared by Ruskin Company, dated 01/09/2006 and last revised on 02/01/2023, signed and sealed by Jeffrey D. Smith, 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, 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 **revises NOA # 20-0227.04** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.
02/15/2024

NOA-No. 23- 1116.13
Expiration Date: April 26, 2028
Approval Date: February 15, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA #23-0227.04”

1. Drawing No. **60-021966-00D Rev K**, titled “PHB637HDXD PENTHOUSE”, sheets 1 through 9 of 9, prepared by Ruskin Company, dated 01/09/2006 and last revised on 02/01/2023, signed and sealed by Jeffrey D. Smith, P.E.

B. TESTS

1. Test report on TAS 201-Large Missile Impact Test, TAS 203-Cyclic Wind Pressure Test and TAS 202-Uniform Static Air Pressure Test titled "Ruskin Company STRUCTURAL PERFORMANCE TEST", prepared by National Certified Testing Laboratories, Test Report # **210-3247.2**, dated 06/16/2006, signed and sealed on 08/03/2006 by Gerard J. Ferrara, P.E. **“Submitted under NOA # 06-1101.08”**
2. 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. **“Submitted under NOA # 18-0618.01”**

C. CALCULATIONS

1. Structural and anchoring calculations for PHB6375DXD Hinged Roof Penthouse, 23 pages, complying with the 2007 FBC, prepared by Daniel J. Rau P.E., signed and sealed on 01/24/2012 by William J. Mossie, P.E. **“Submitted under NOA # 12-0203.15”**
2. Wind load review prepared by Ruskin Company, dated 09/12/2015 signed and sealed by Chelsea GQ Welch, P.E. **“Submitted under NOA #15-0930.09”**
3. Wind load review prepared by prepared by Ruskin Company, dated 04/12/2018 and Addendum to wind load review prepared by Ruskin Company, dated 07/27/2018, signed and sealed by Melissa M Massar, P.E. **“Submitted under NOA # 18-0618.01”**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 23-1116.14
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F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and of no financial interest issued by Ruskin Company, dated 04/11/2012, signed and sealed by William J. Mossie, P.E. *“Submitted under NOA # 12-0203.15”*
2. Statement letter of code conformance to the **5th edition** (2014) FBC issued by Ruskin Company, dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E. *“Submitted under NOA # 15-0930.09”*
3. Statement letter of code conformance to the **6th edition** (2017) FBC and of no financial interest issued by Ruskin Company, dated 04/12/2018, signed and sealed by Melissa M. Massar, P.E. *“Submitted under NOA # 18-0618.01”*
4. Statement letter of code conformance to the **7th edition** (2020) FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.
5. Statement letter of code conformance to the **8th Edition** (2023) of the FBC and of no financial interest, issued by Ruskin Company, dated 10/30/2023, signed and sealed by Jeffrey Devon Smith, P.E.

G. OTHER

1. This NOA revises NOA # 23-0227.04 for the 8th edition (2023) of the FBC update.



Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 23-1116.14
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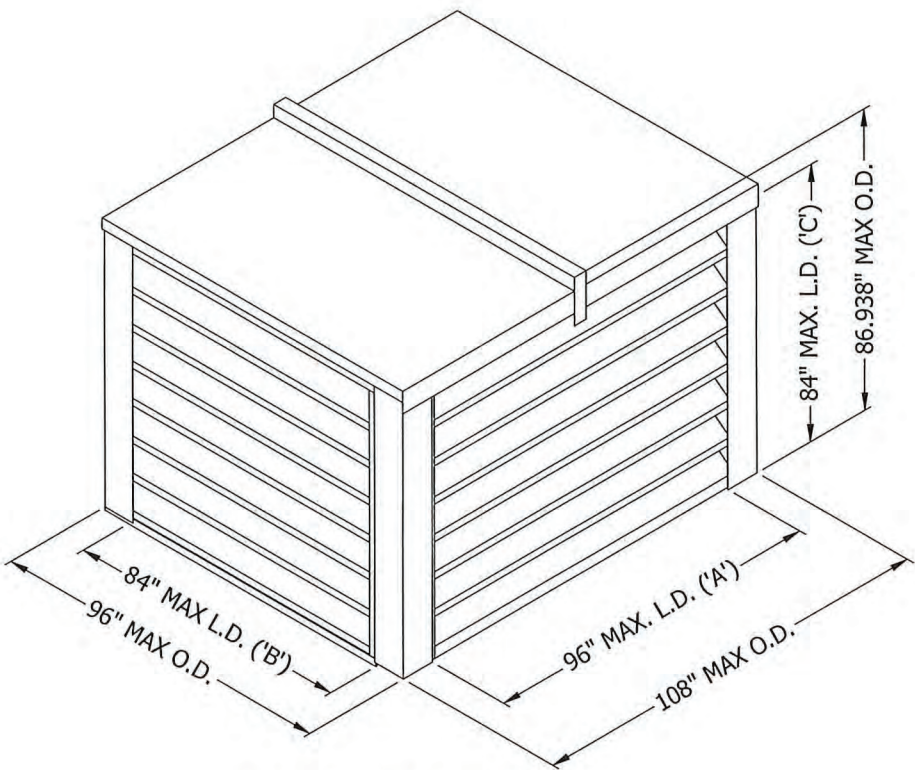
PHB637HDXD STANDARD PARTS			
ITEM	DESCRIPTION	MATERIAL	DWG. #
1	HEAD CHANNEL	.170" THK. EXTRUDED ALUM 6063-T6	CO23511
2	SILL FRAME	.125" THK. EXTRUDED ALUM 6063-T6	70-021130-00B
3	JAMB FRAME	.125" THK. EXTRUDED ALUM 6063-T6	70-020691-00B
4	BLADE	.080" THK. EXTRUDED ALUM 6063-T6	70-020560-00B
5	BLADE 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"

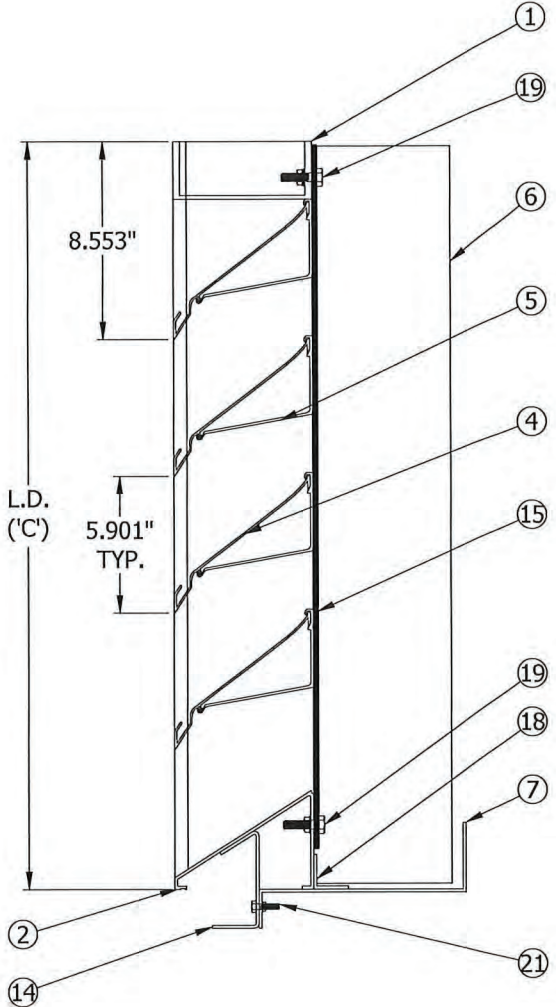
NOTES:

- 1) THE PHB637HDXD 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




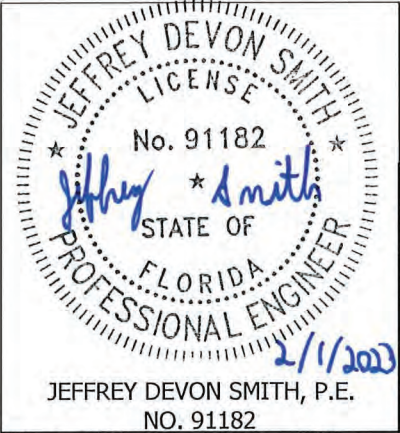
PENTHOUSE ISOMETRIC




PHB637HDXD
N.T.S.

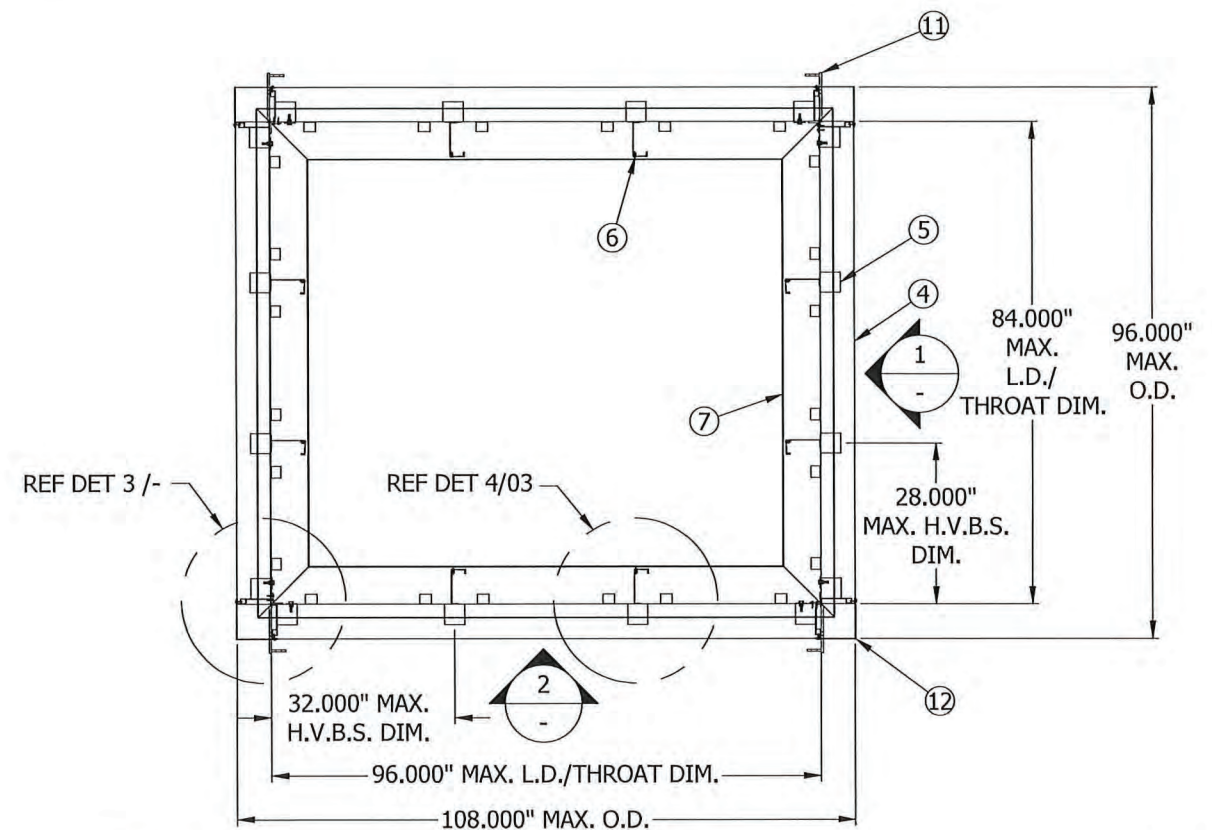
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NOA-No. 23-1116.13
Expiration Date 04/26/2028
By 
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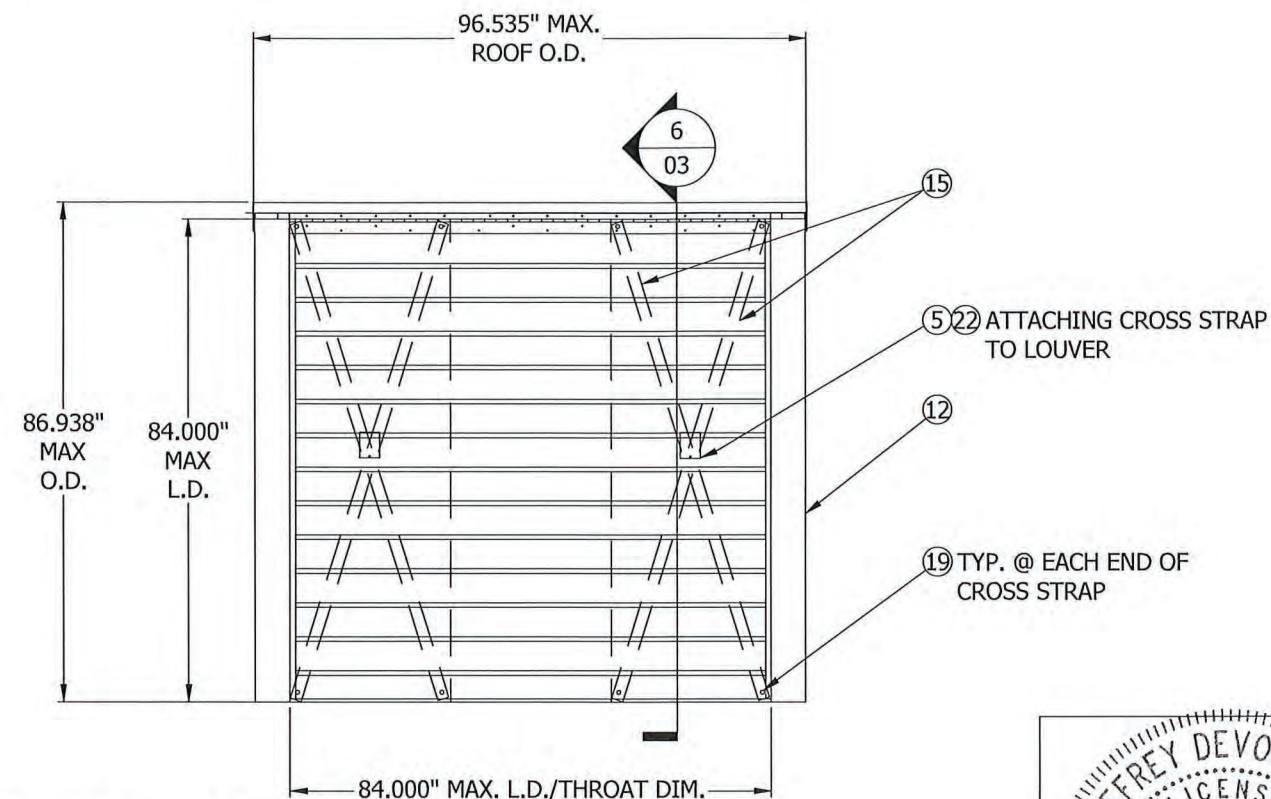
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(K)	REV'D ENGINEER OF RECORD	NS	E-R	VMA	JDS	01/04/23
(J)	COMPLETE REVISION. NEW LAYOUT, ENG. OF RECORD.	CJD	DRS	MMM	-	4/12/18
(H)	GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
(F)	REVISED NOTE 7 REVISED O.D. LOCATIONS	RAT				09/18/07
(E)	MODEL NAME CHANGE	DAR	VMA	VMA		5-18-06
CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D. BY:	APPV'D. BY:	APPV'D. BY:	DATE
 3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE	DWG. CERTIFIED			
TITLE PHB637HDXD PENTHOUSE SPECS, NOTES AND DETAILS		NONE		BY: _____ DATE: _____		
		DWG. NO.		60-021966-00D		

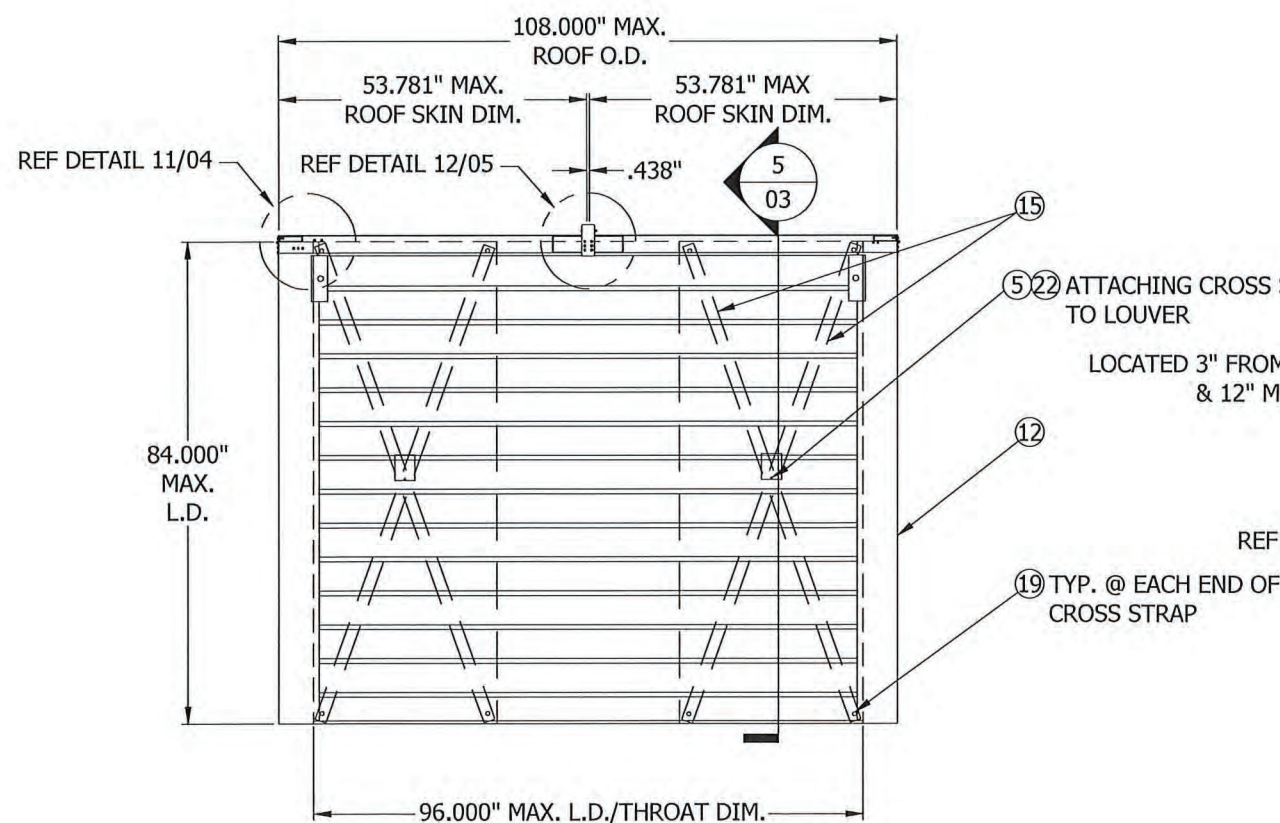


ASSEMBLY "A"
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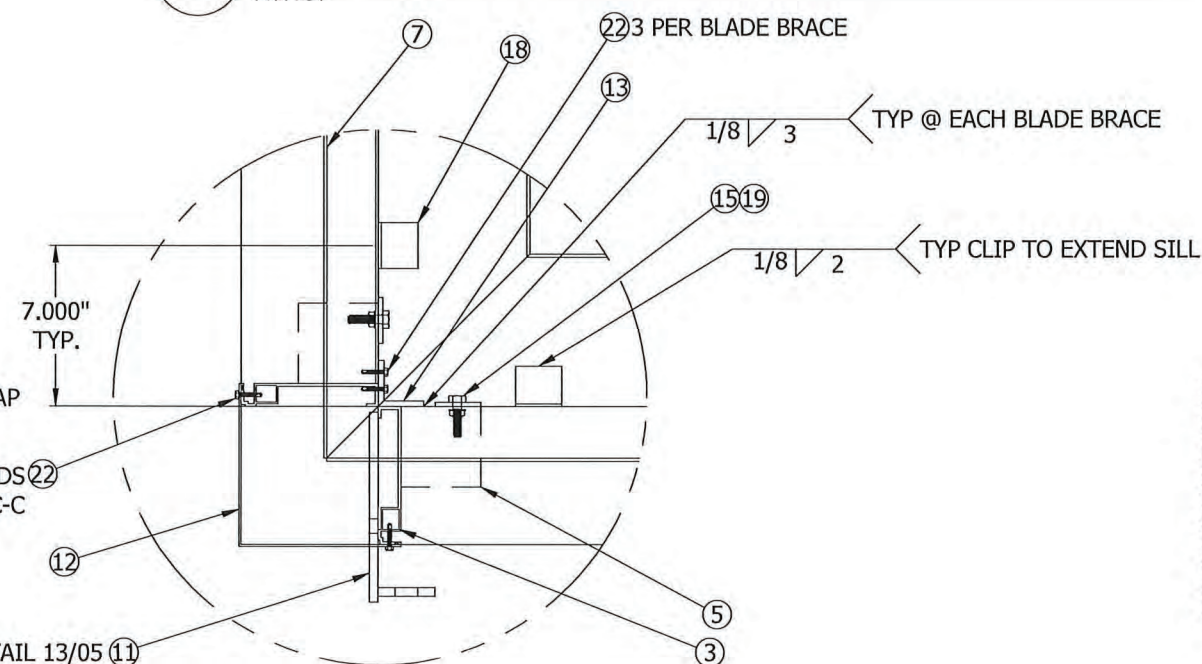
PHB637HDXD
PLAN VIEW



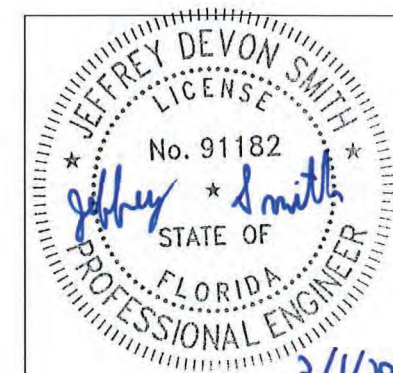
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2 ELEVATION DETAIL
N.T.S.



3 CORNER DETAIL
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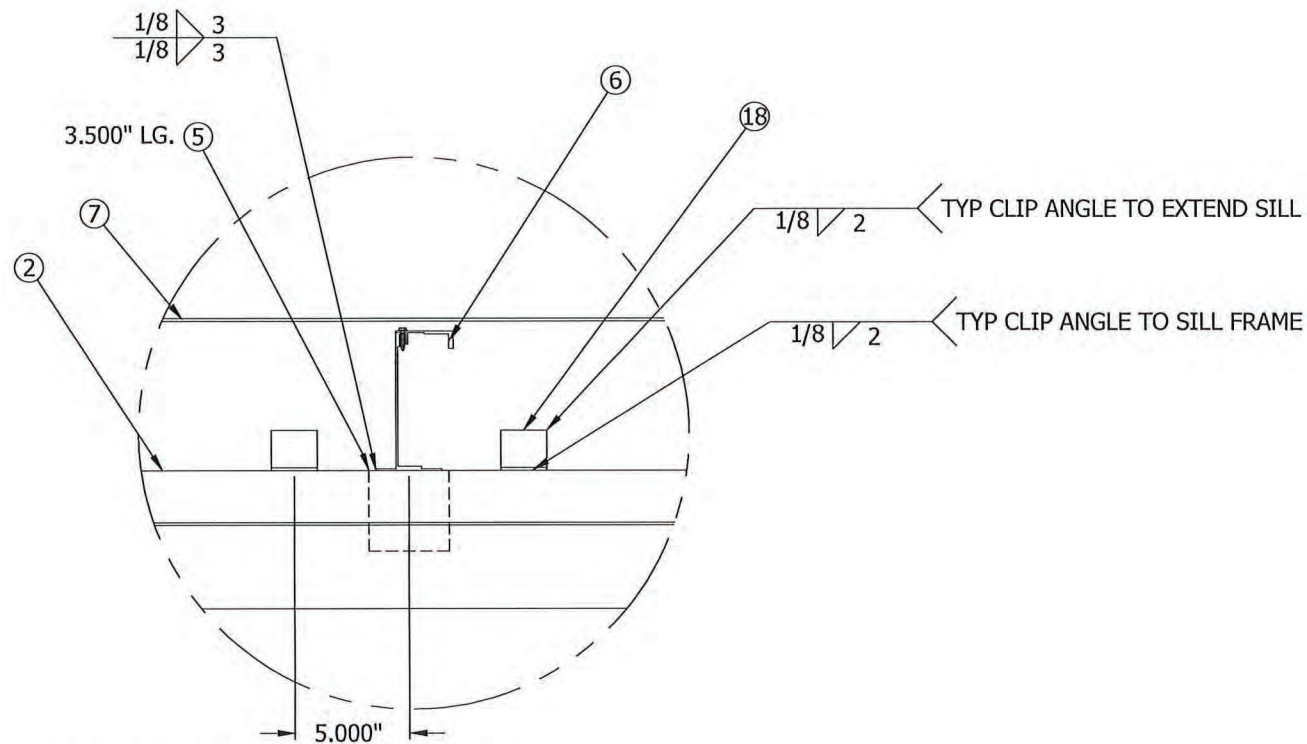


JEFFREY DEVON SMITH, P.E.
NO. 91182

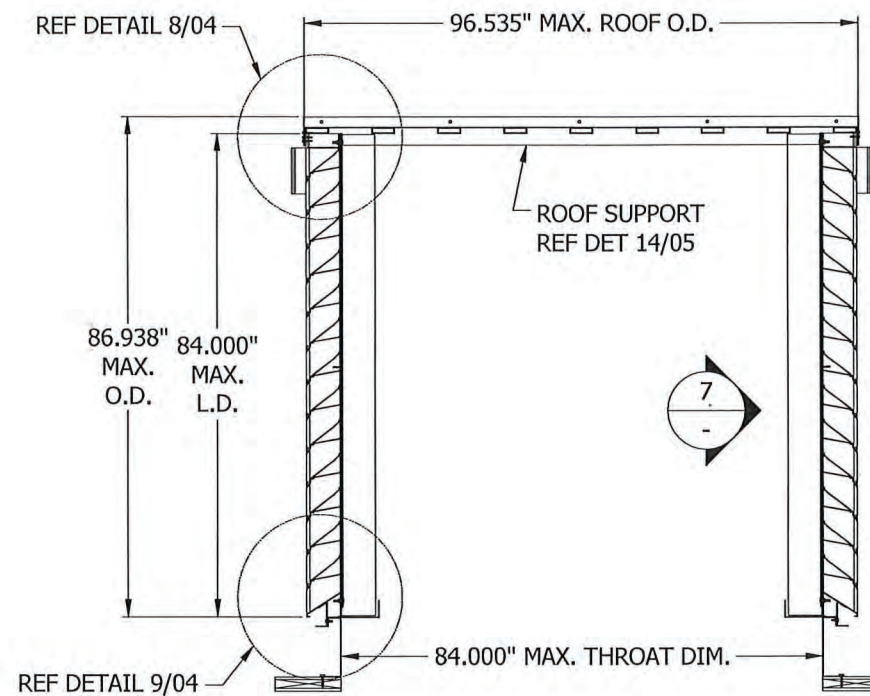
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NOA-No. 23-1116.13
Expiration Date 04/26/2028
By *[Signature]*
Miami-Dade Product Control

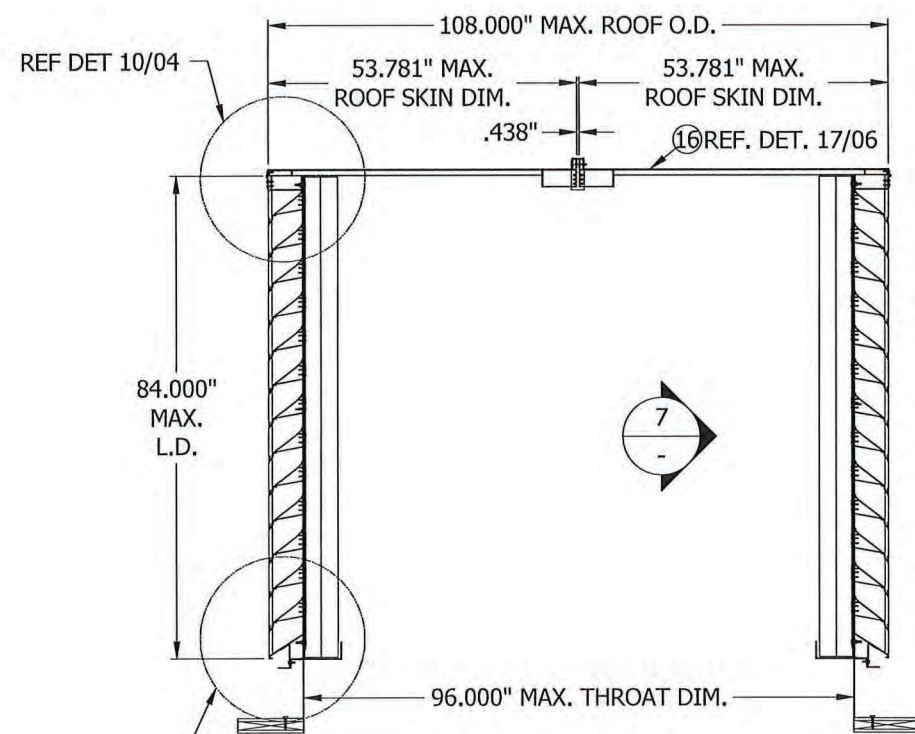
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(C)	MODEL NAME CHANGE	DAR	VMA	VMA		5-18
CHANGE LETTER	REVISION DESCRIPTION	DWNL. BY:	CHKD. BY:	APPVD. BY:	APPVD. BY:	DATE
 RUSKIN 3900 DR. GREAVES RD GRANDVIEW, MO 64030 AUTHORITY IN AIR CONTROL		PLOT SCALE NONE		DWG. CERTIFIED BY: _____ DATE: _____		
TITLE (C) PHB637HDXD PENTHOUSE DETAILS		DWG. NO.		(H) 60-021966-00D		



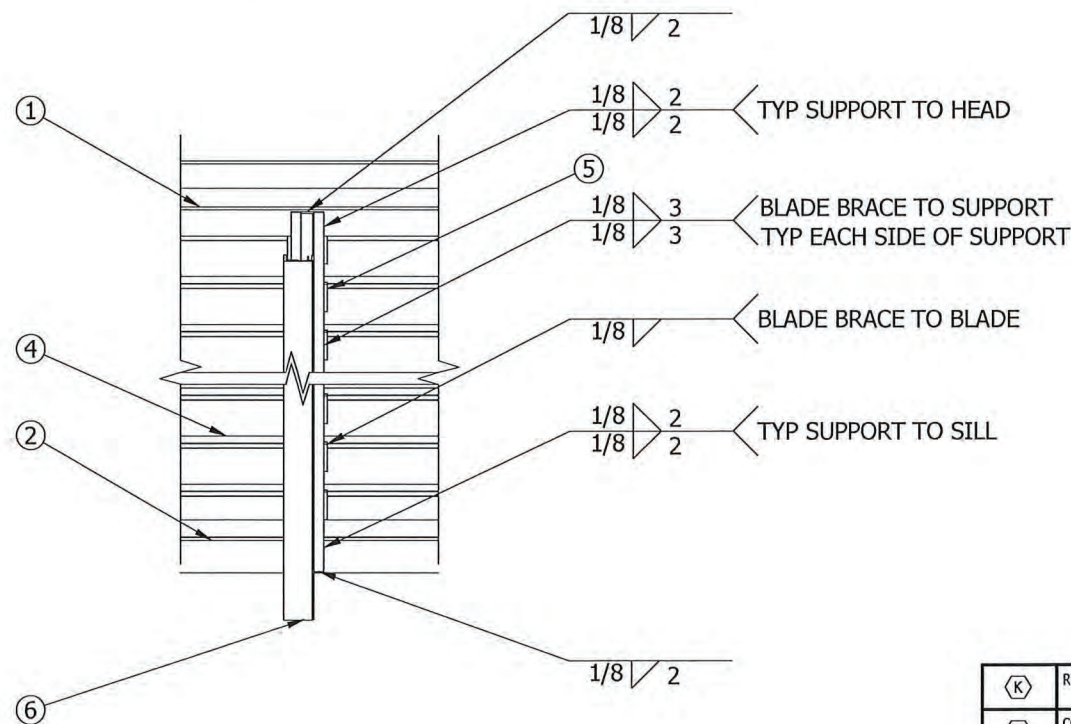
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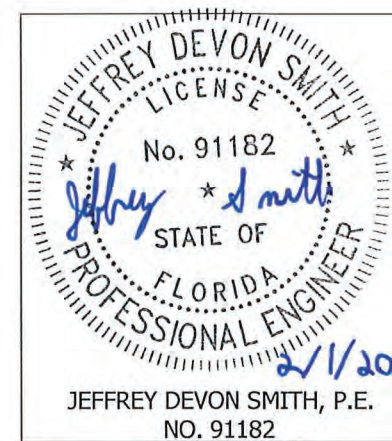
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6 PENTHOUSE DETAIL
02 N.T.S.




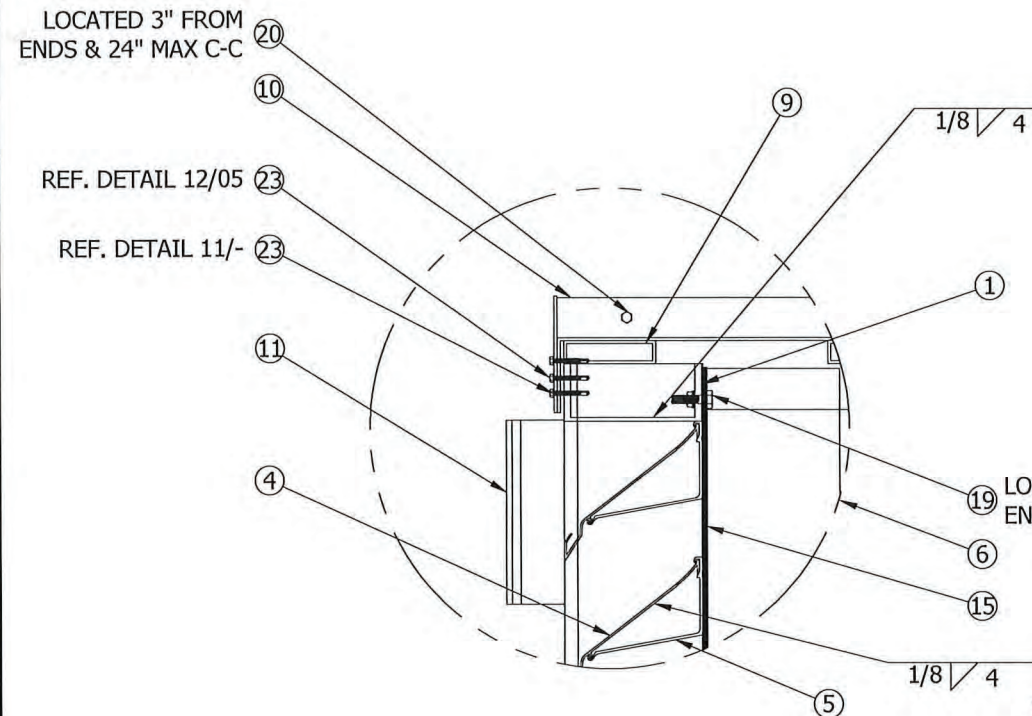
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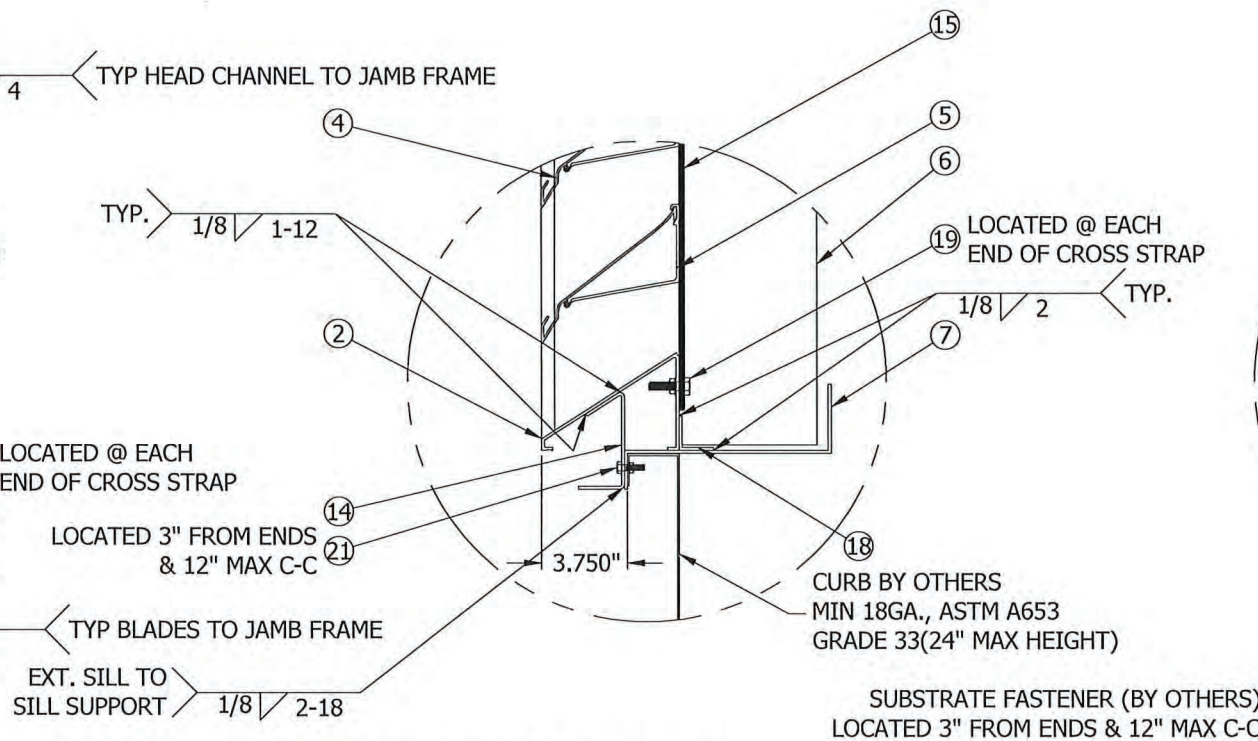
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By *[Signature]*
Miami-Dade Product Control

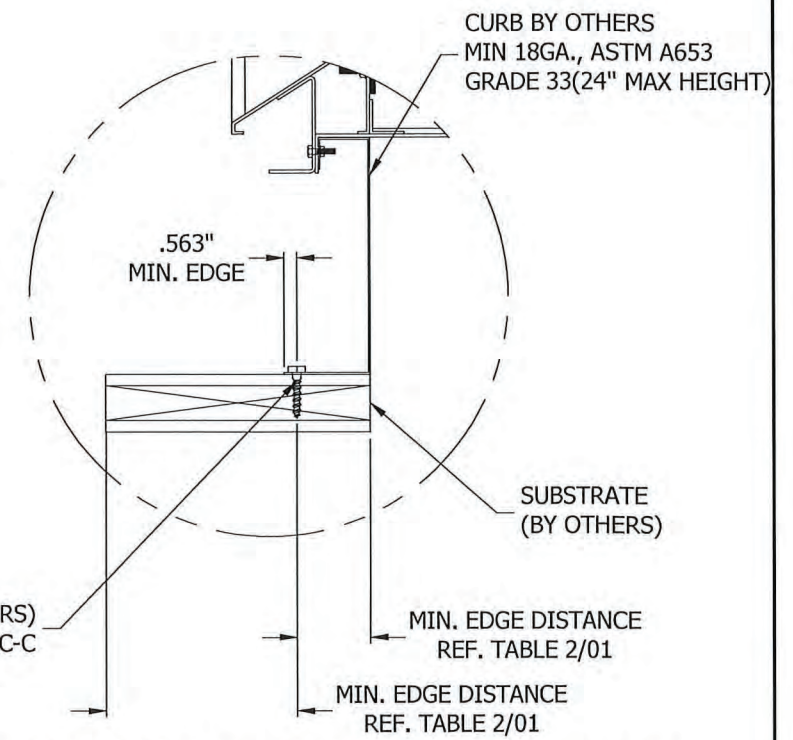
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(H)	GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
(E)	MODEL NAME CHANGE	DAR	VMA	VMA		5-18-6
CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D. BY:	APP'VD. BY:	APP'VD. BY:	DATE
 3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE NONE		DWG. CERTIFIED BY: _____ DATE: _____		
TITLE PHB637HDXD PENTHOUSE DETAILS		DWG. NO.		(H) 60-021966-00D		



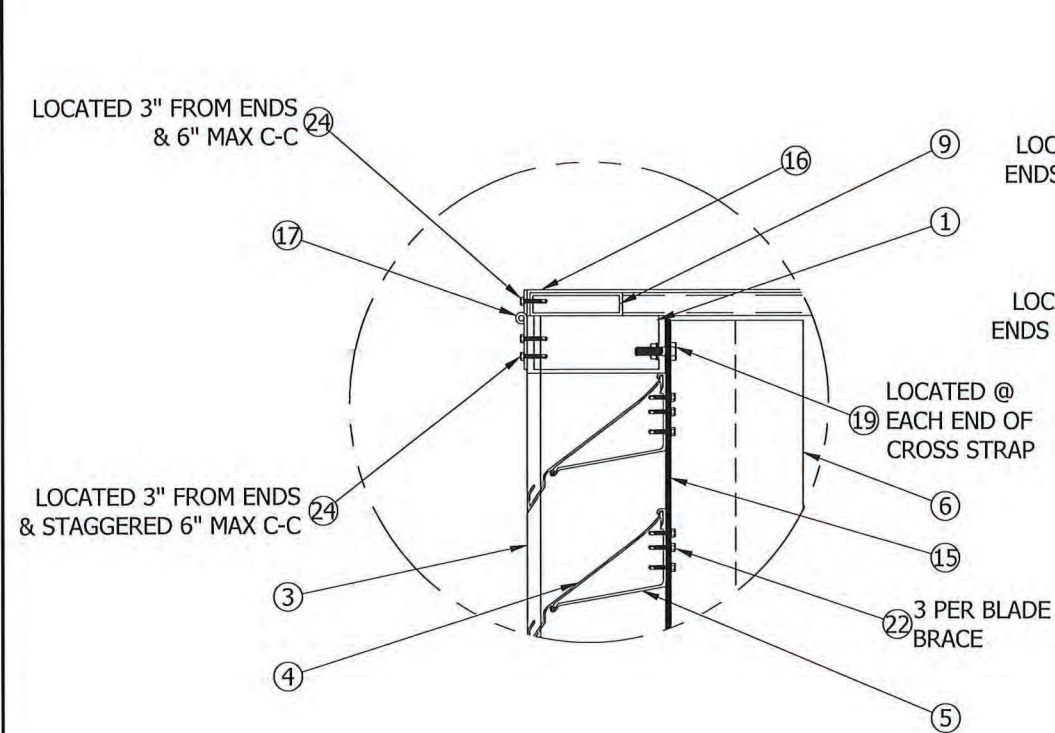
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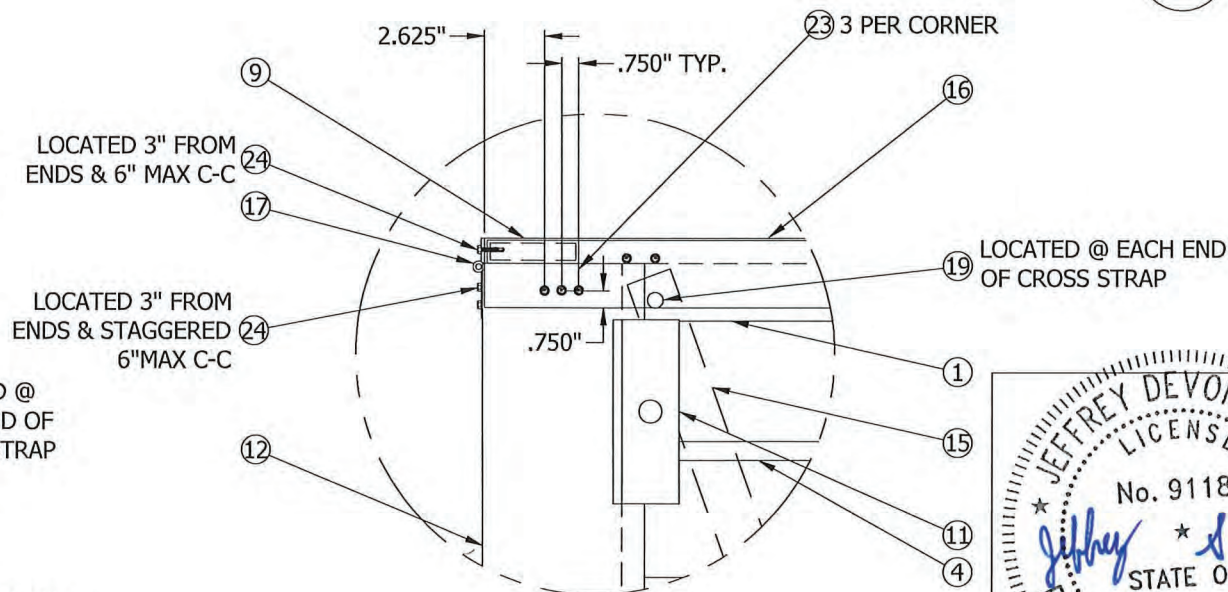
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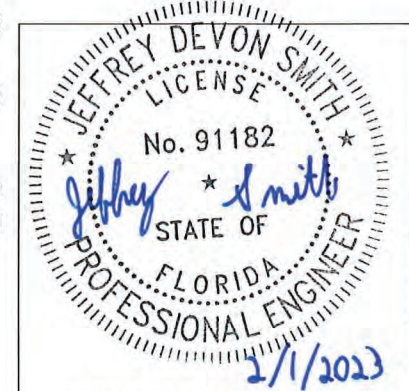
9A CURB ATTACHMENT DETAIL (BY OTHERS)
- N.T.S.



10 ROOF ATTACHMENT DETAIL
03 N.T.S.



11 ROOF ATTACHMENT DETAIL
02 N.T.S.



JEFFREY DEVON SMITH, P.E.
NO. 91182

DWG. BY: WRT	CHK. BY: DJR	APPV. BY: DJR	APPV. BY: DJR
DATE: 7/11/05	DATE: 1/9/06	DATE: 1/9/06	DATE:

TITLE
PHB637HDXD PENTHOUSE DETAILS

(K) REV'D ENGINEER OF RECORD	NS	E-R	VMA	JDS	01/04/23
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(H) GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
(G) REVISED CURB LOCATION ADDED DIM. TO VIEW 7A	RAT				09/18/07
CHANGE LETTER	REVISION DESCRIPTION	DWG. BY:	CHKD. BY:	APPV. BY:	APPV. BY:
					DATE:

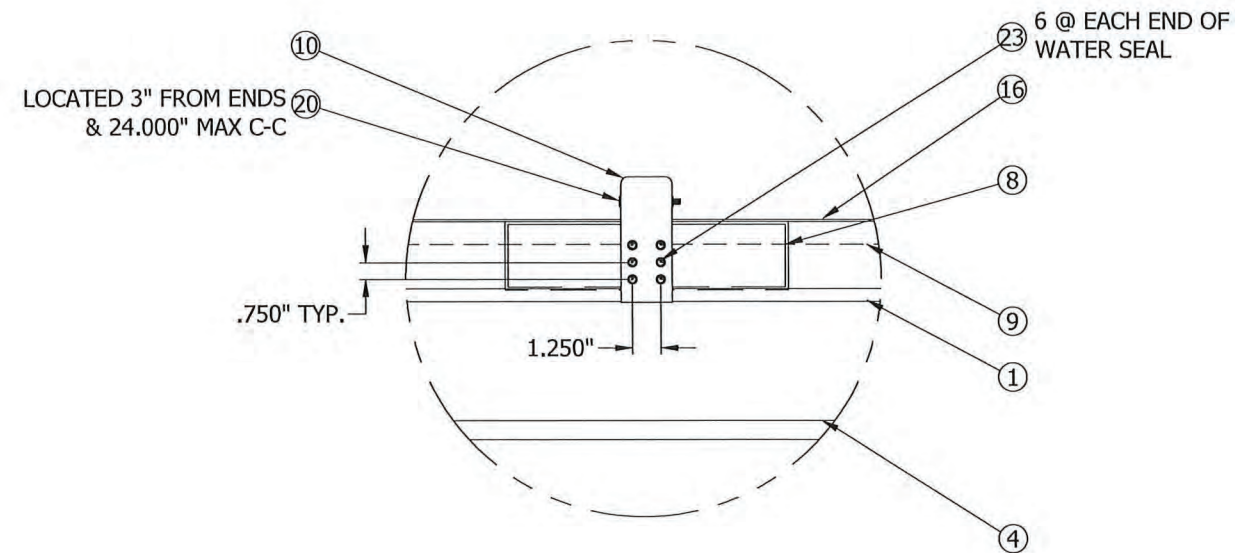
RUSKIN 3900 DR. GREAVES RD
GRANDVIEW, MO 64030

TITLE
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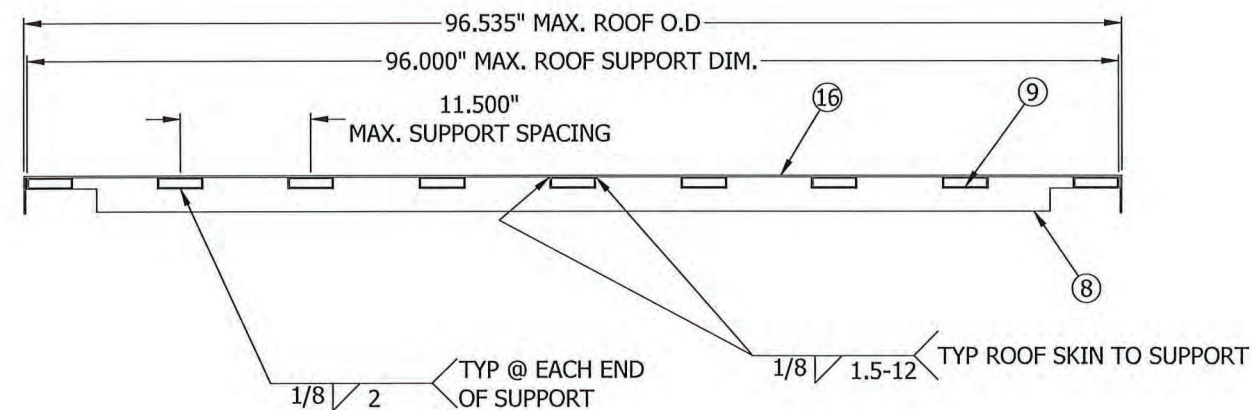
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60-021966-00D

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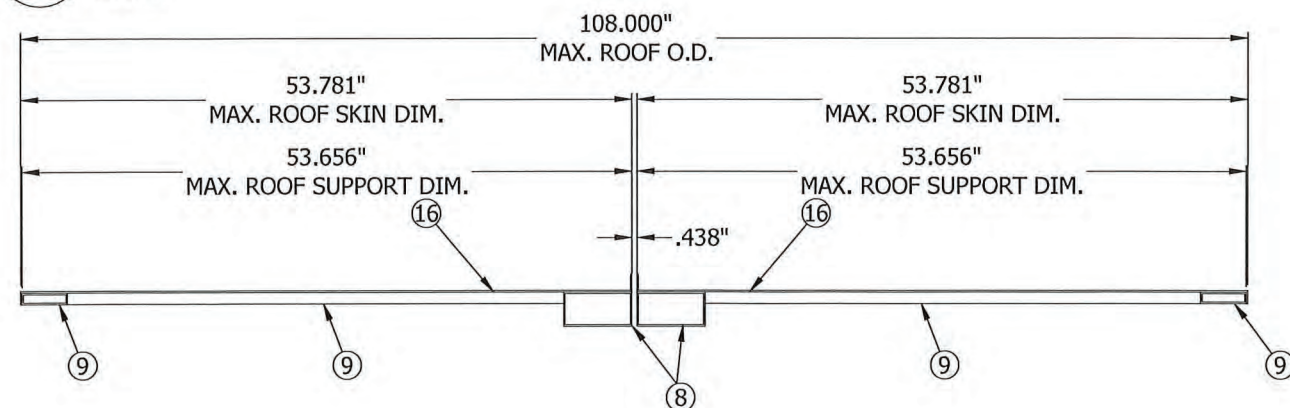
PRODUCT REVISED
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By *CS*
Miami-Dade Product Control



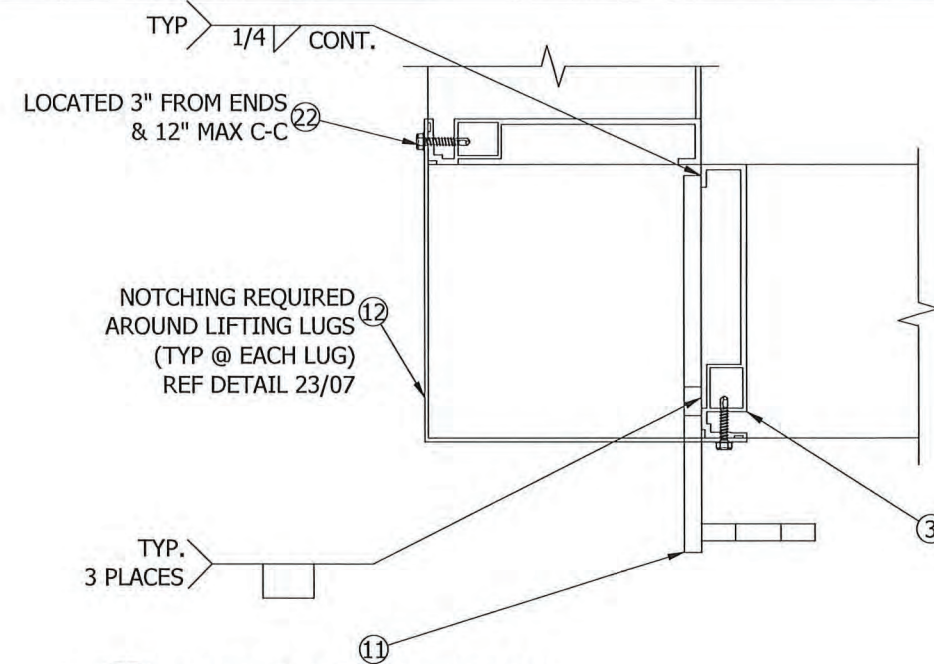
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02, 04 N.T.S.



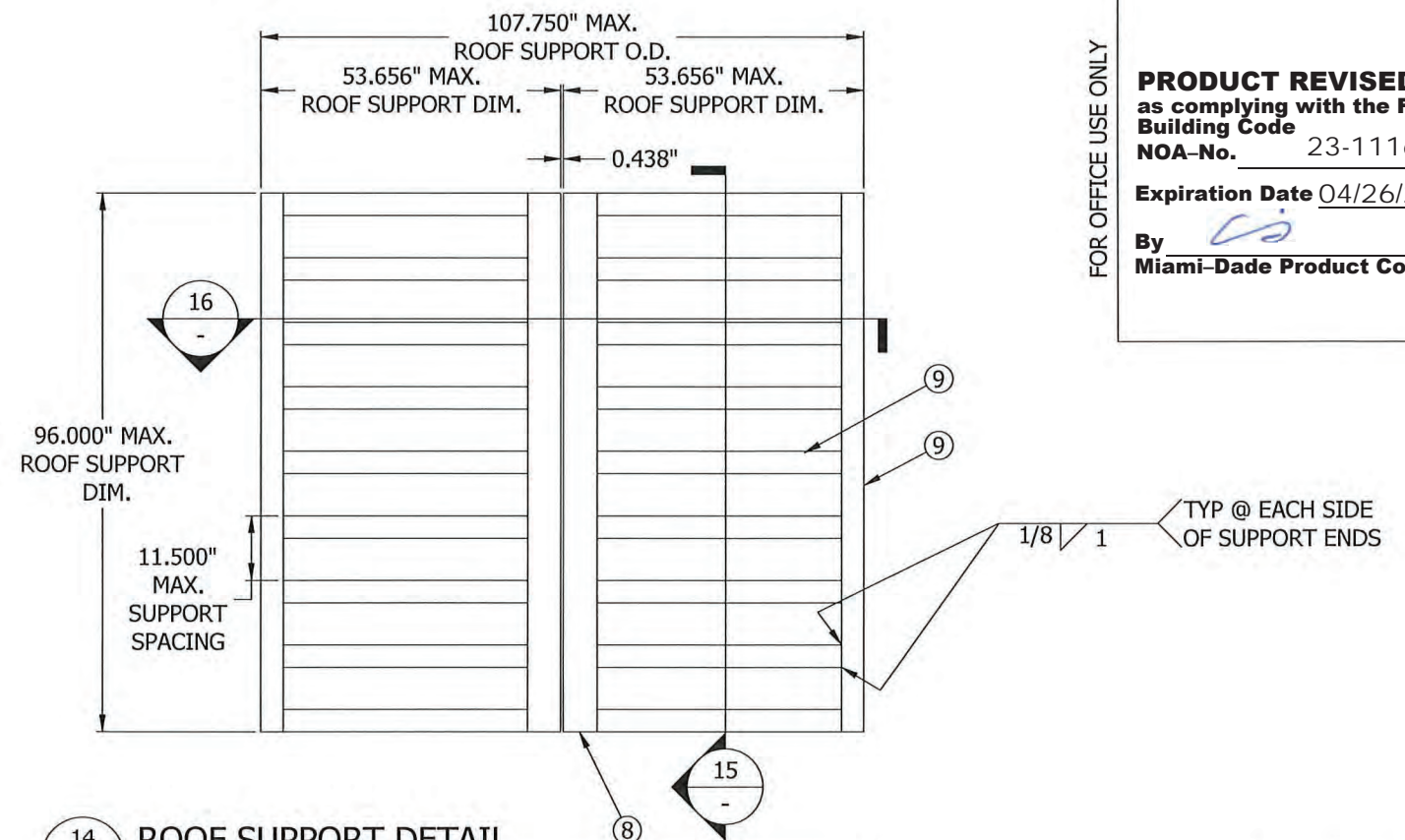
15 ROOF CONNECTION DETAIL
- N.T.S.



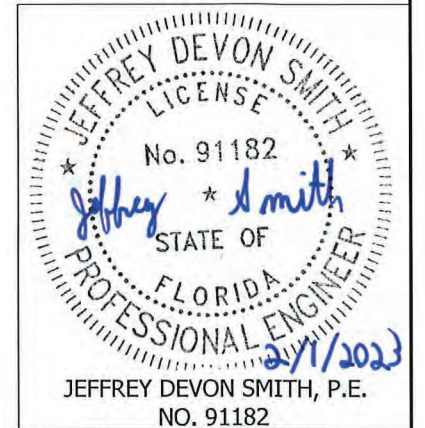
16 ROOF CONNECTION DETAIL
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13 LIFT LUG CONNECTION
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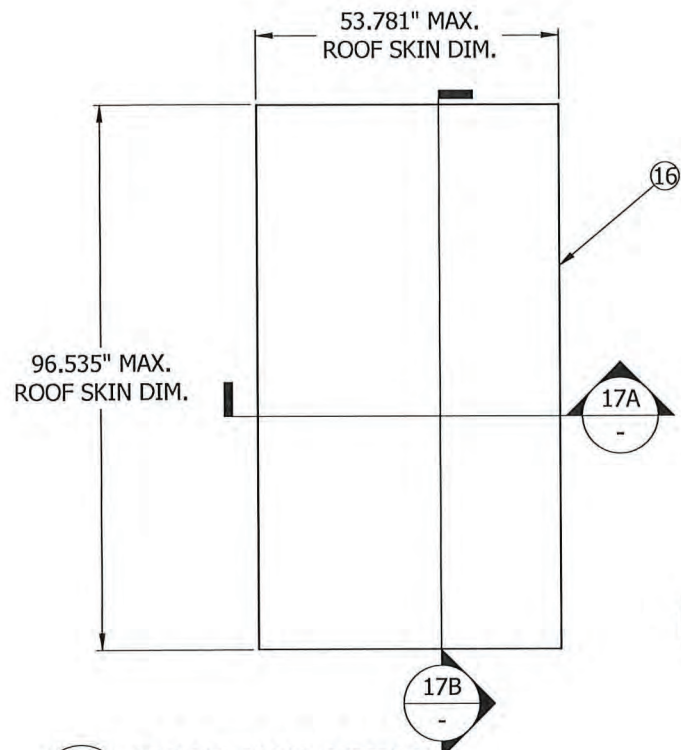


14 ROOF SUPPORT DETAIL
03 N.T.S.

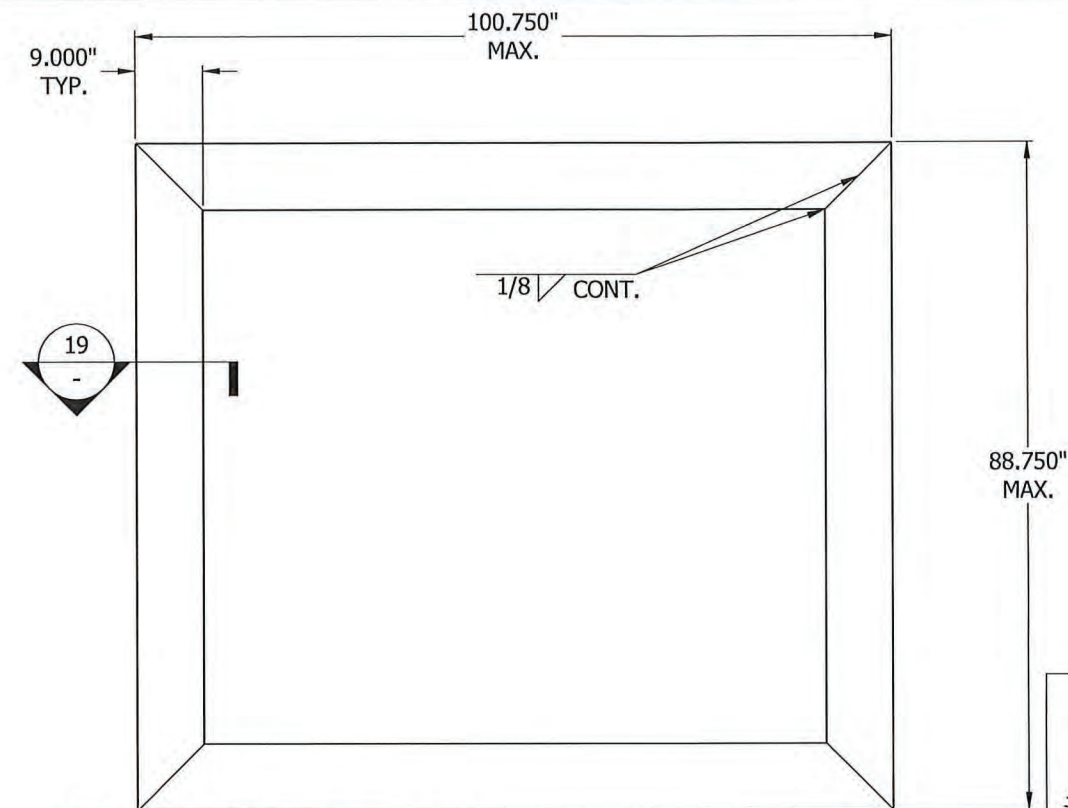
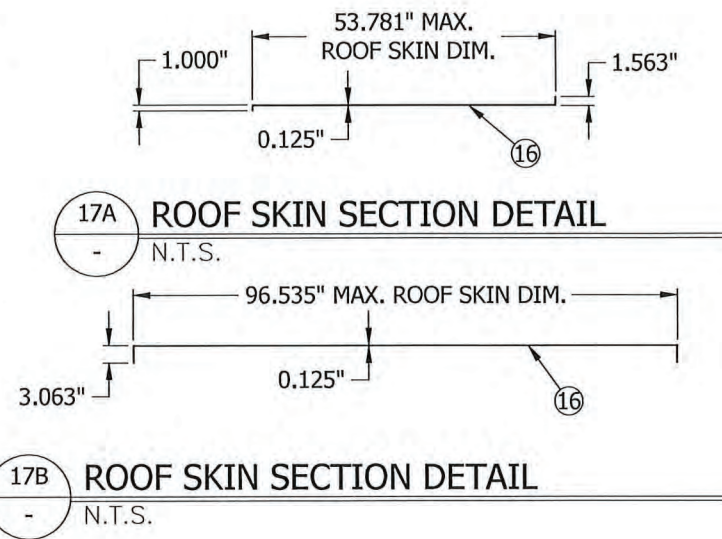


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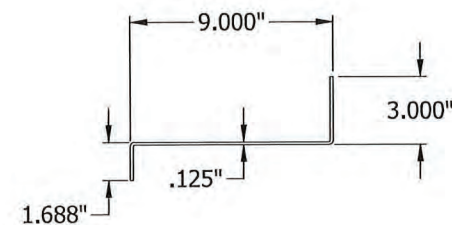
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COMPLETE REVISION. NEW LAYOUT, ENG. OF RECORD.	CJD	DRS	MMM	-	4/12/18
GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPV'D. BY:	DATE
WRT	DJR	DJR	DJR	DJR	7/11/05
DATE: 7/11/05	DATE: 1/9/06	DATE: 1/9/06	DATE: 1/9/06	DATE: 1/9/06	DATE: 1/9/06
TITLE		PLOT SCALE		DWN. CERTIFIED	
PHB637HDXD PENTHOUSE DETAILS		NONE		BY: DATE:	
SHEET 05 OF 09 (H)(J)		60-021966 -00D		(H)	



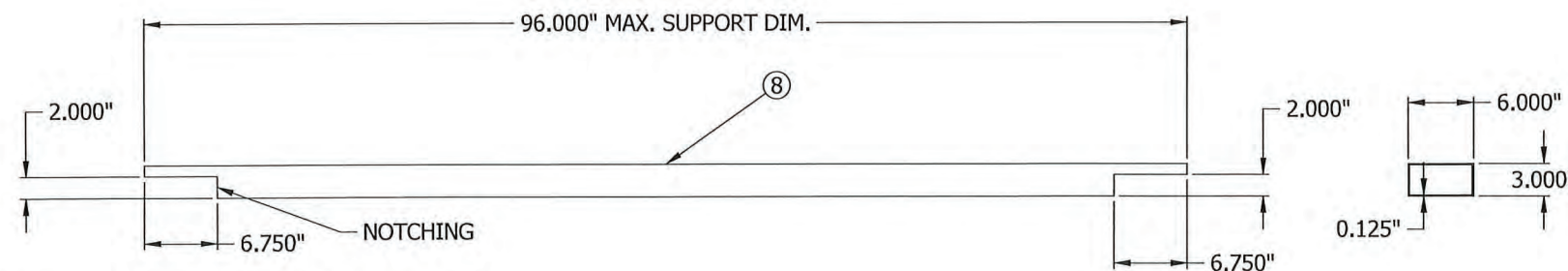
17 ROOF SKIN DETAIL
01, 03 N.T.S.



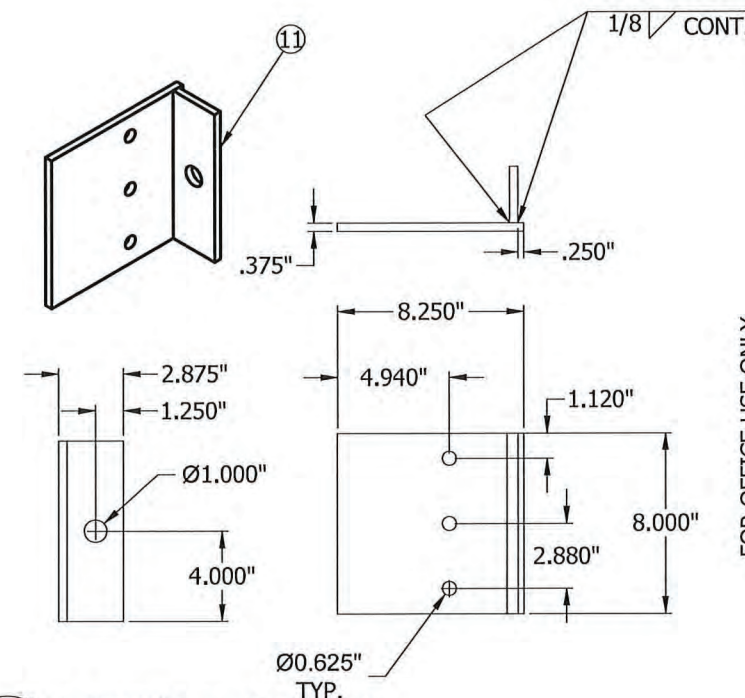
18 EXTENDED SILL DETAIL
01 N.T.S.



19 EXTENDED SILL SECTION DETAIL
- N.T.S.



20 ROOF SUPPORT NOTCHING
01 N.T.S.



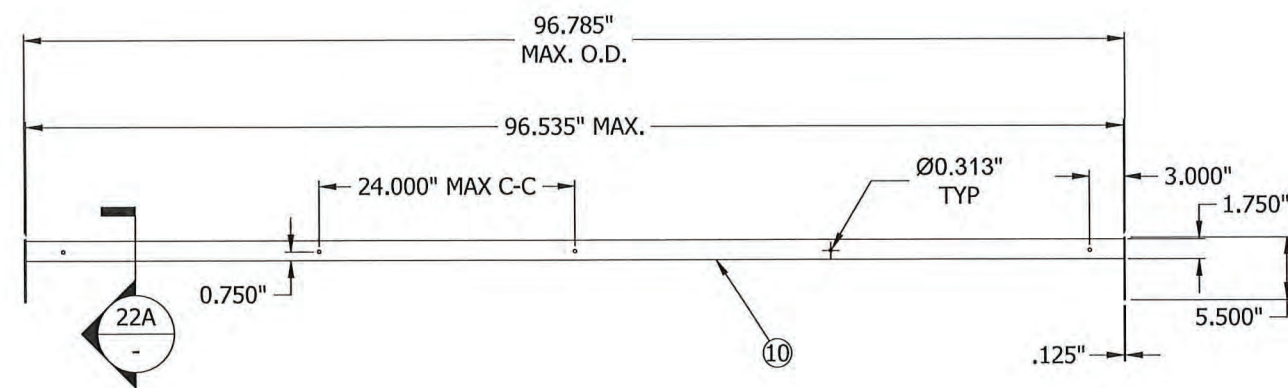
21 LIFTING LUG DETAIL
01 N.T.S.

JEFFREY DEVON SMITH, P.E.
NO. 91182

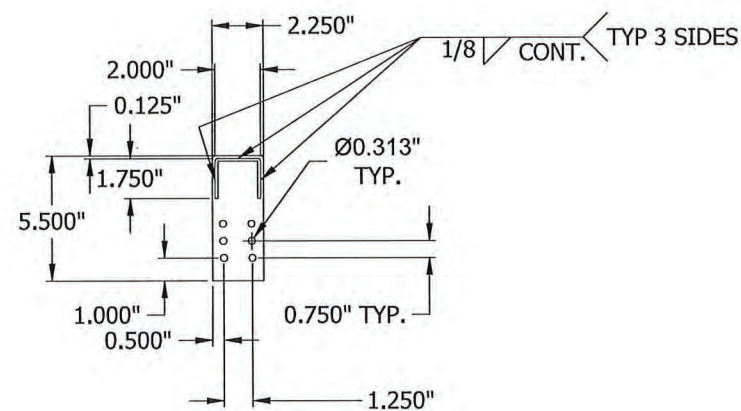
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.13
Expiration Date 04/26/2028
By *[Signature]*
Miami-Dade Product Control

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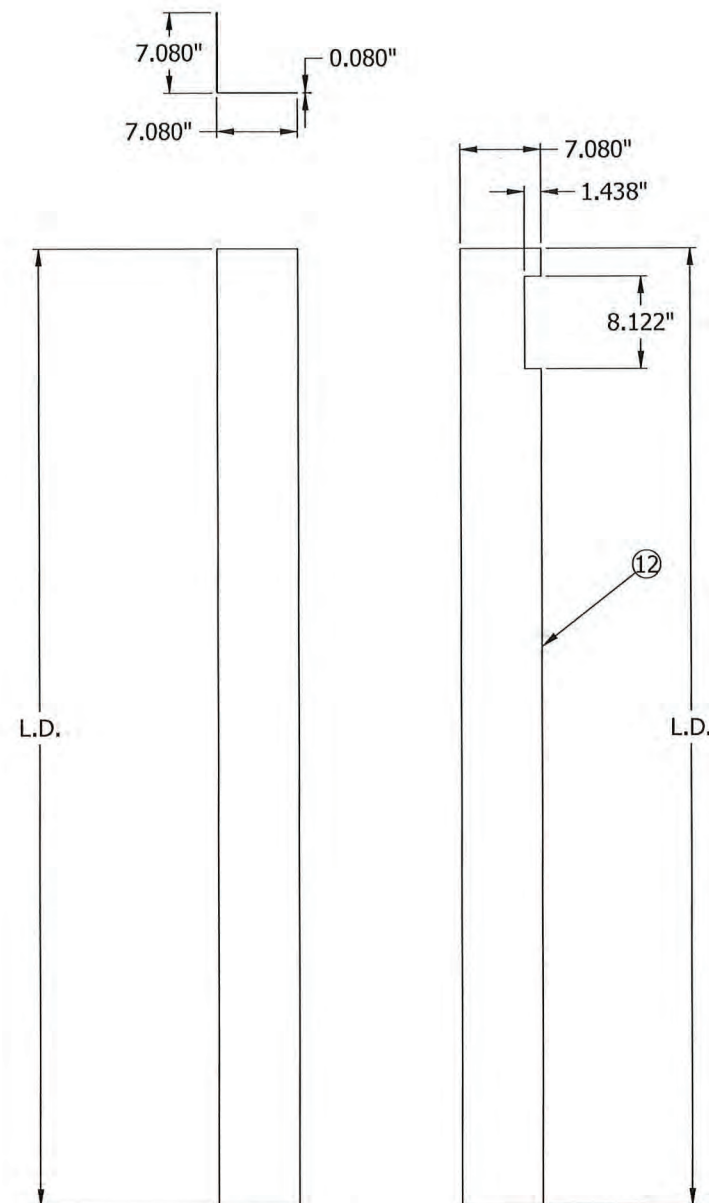
DESIGNED BY: WRT	CHECKED BY: DJR	APPROVED BY: DJR	DATE: 7/11/05	DATE: 1/9/06	DATE: 1/9/06	DATE:	DATE:	DATE:	DATE:	DATE:
RUSKIN <small>3900 DR. GREAVES RD GRANDVIEW, MO 64030</small>							PLOT SCALE NONE			DWG. CERTIFIED BY: _____ DATE: _____
TITLE PHB637HDXD PENTHOUSE DETAILS							DWG. NO. 60-021966-00D			



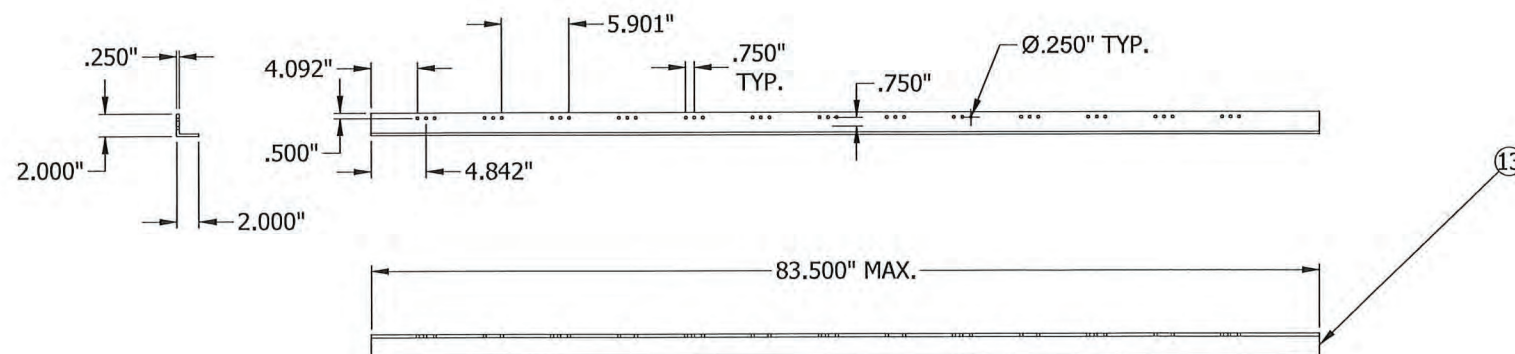
22 WATER SEAL DETAIL
01 N.T.S.



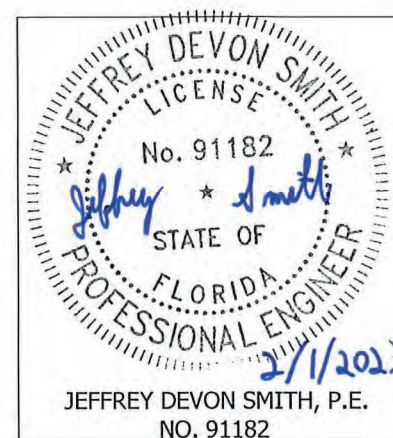
22A WATER SEAL DETAIL
- N.T.S.



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



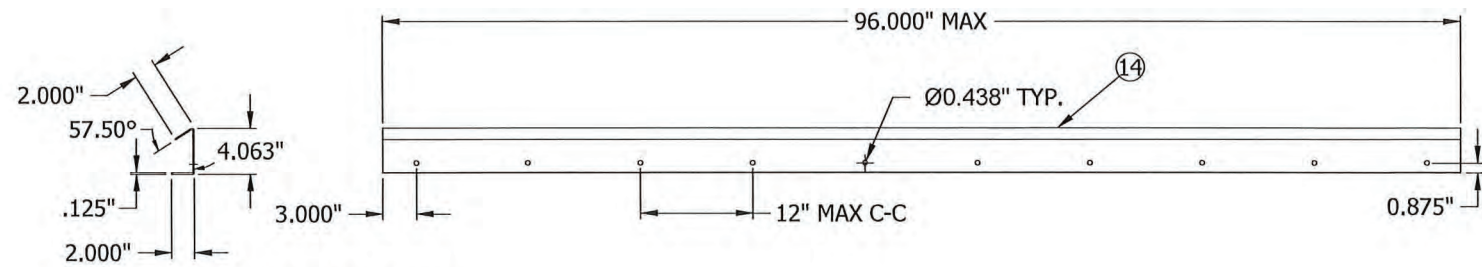
24 CORNER ANGLE DETAIL
01 N.T.S.



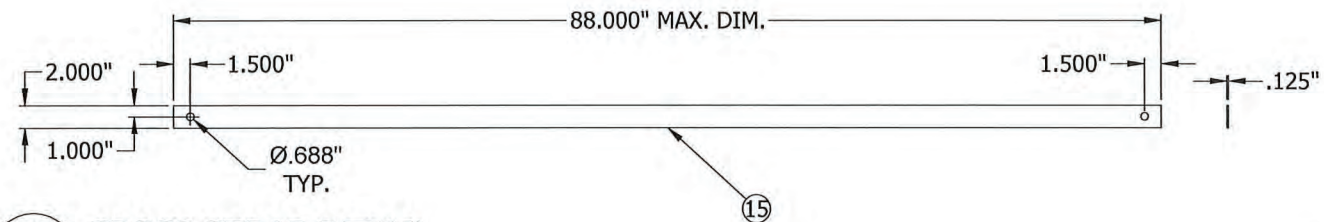
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Miami-Dade Product Control

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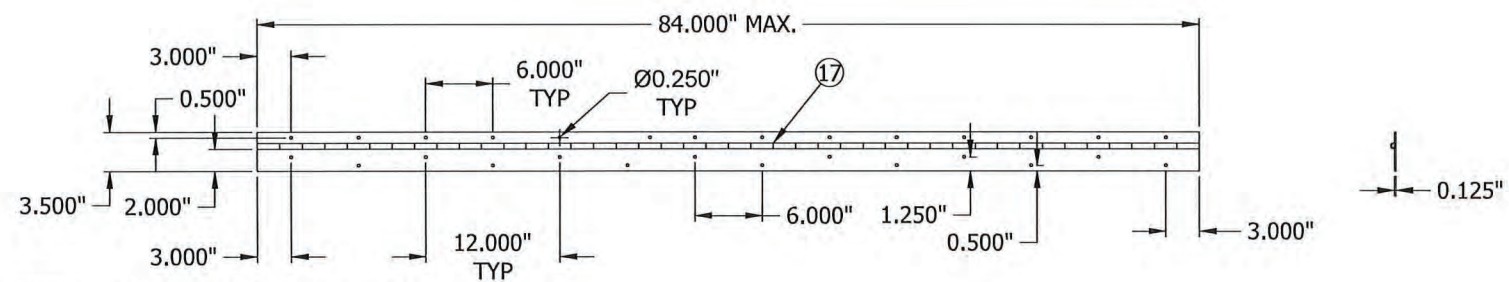
(K)	REV'D ENGINEER OF RECORD	NS	E-R	VMA	JDS	01/04/23
(J)	COMPLETE REVISION, NEW LAYOUT, ENG. OF RECORD.	CJD	DRS	MMM	-	4/12/18
(H)	GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
(E)	MODEL NAME CHANGE	DAR	VMA	VMA		5-18-6
CHANGE LETTER	REVISION DESCRIPTION	DWN. BY:	CHKD. BY:	APPV'D. BY:	APPV'D. BY:	DATE
WRT	3900 DR. GREAVES RD	DJR	DJR			
DATE: 7/11/05	GRANDVIEW, MO 64030	DATE: 1/9/06	DATE: 1/9/06			
TITLE		PLOT SCALE		D/WG. CERTIFIED		
PHB637HDXD PENTHOUSE DETAILS		NONE		BY: _____		
SHEET 07 OF 09 (H)(J)		DWG. NO.		60-021966-00D		



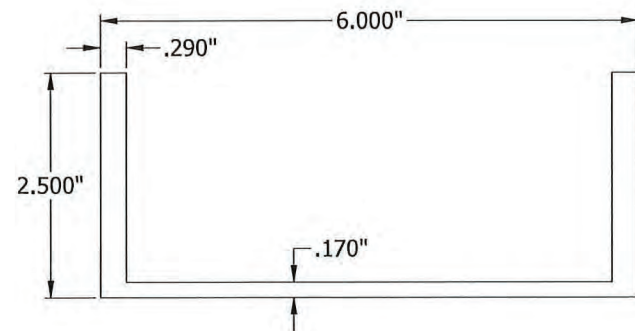
25 SILL SUPPORT DETAIL
01 N.T.S.



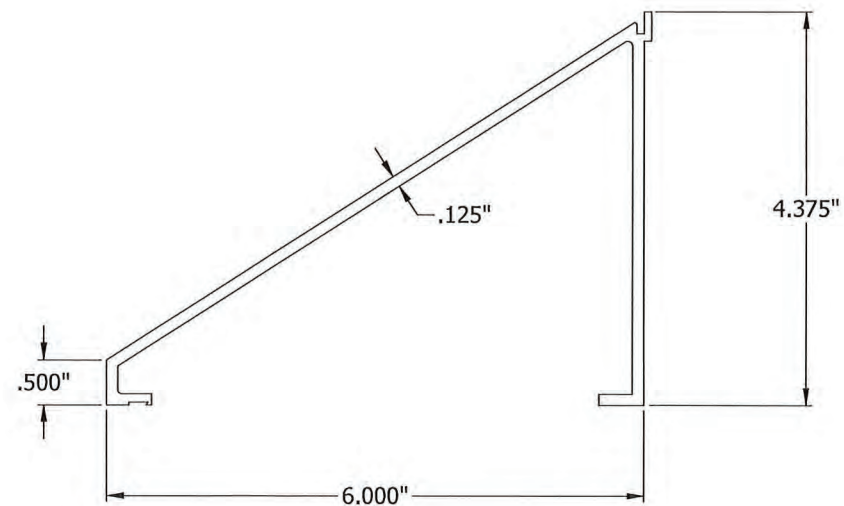
26 CROSS STRAP DETAIL
01 N.T.S.



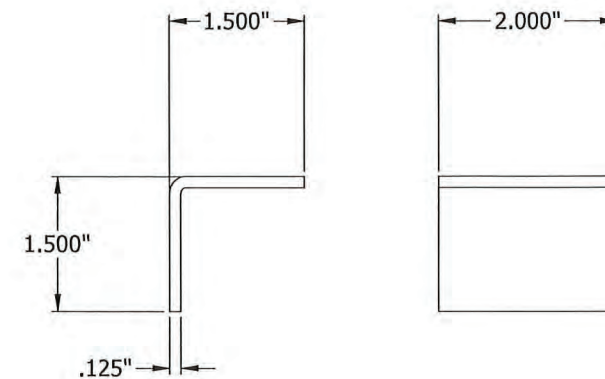
27 ROOF HINGE DETAIL
01 N.T.S.



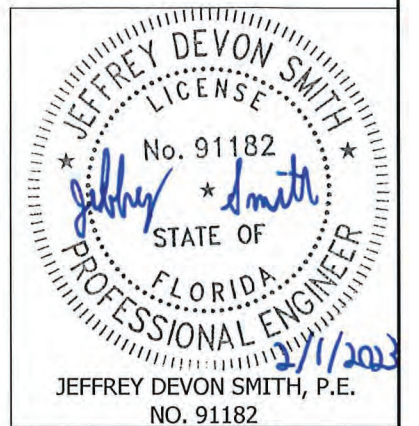
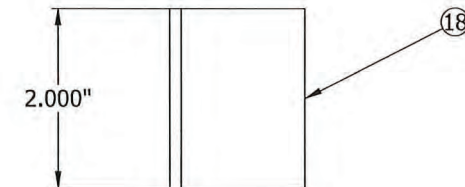
ITEM 1 HEAD CHANNEL
N.T.S.
RUSKIN # CO23511



ITEM 2 SILL FRAME
N.T.S.
RUSKIN # 70-021130-00B



28 CLIP ANGLE DETAIL
01 N.T.S.

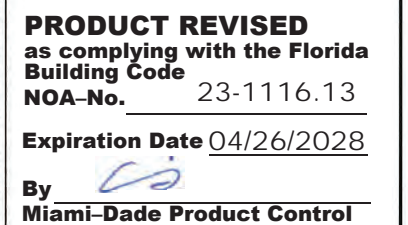
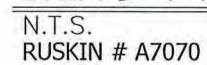
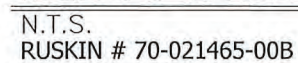
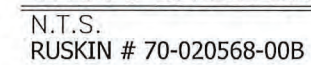
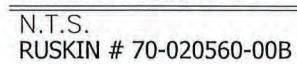
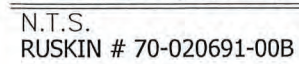


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(K)	REV'D ENGINEER OF RECORD	NS	E-R	VMA	JDS	01/04/23
(J)	COMPLETE REVISION. NEW LAYOUT, ENG. OF RECORD.	CJD	DRS	MMM	-	4/12/18
(H)	GENERAL REVISIONS	DLB	KJM	NLT	CGW	9/22/15
(E)	MODEL NAME CHANGE	DAR	VMA	VMA		5-18-6
CHANGE LETTER	REVISION DESCRIPTION	DWNL. BY:	CHKD. BY:	APPVD. BY:	APPVD. BY:	DATE:
RUSKIN 3900 DR. GREAVES RD. GRANDVIEW, MO 64030		PLOT SCALE NONE		DWG. CERTIFIED BY: DATE:		
TITLE PHB637HDXD PENTHOUSE DETAILS		DWG. NO. 60-021966-00D		(H)		

DWNL. BY: WRT	CHK. BY: DJR	APPVD. BY: DJR	APPVD. BY:
DATE: 7/11/05	DATE: 1/9/06	DATE: 1/9/06	DATE:
SHEET 08 OF 09 (HJ)			



DWIN. BY: WRT	CHK. BY: DJR	APPLY D. BY: DJR	APPLY D. BY:
DATE: 7/11/05	DATE: 1/9/06	DATE: 1/9/06	DATE:

SHEET 09 OF 09 $\langle H \rangle \langle J \rangle$