



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

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

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Haakon Industries (Canada) LTD**  
11851 Dyke Road  
Richmond, BC, Canada V7A-4X8

### 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 High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: "Pentpak" Outdoor Style Air Handling Unit

**APPROVAL DOCUMENT:** Drawing No. 6945, titled "Outdoor Style Air Handling Unit, Pentpak", sheets 1 through 15 of 15, prepared by Haakon Industries, last revision #7 dated March 10, 2021, signed and sealed by Douglas J. Ruggiano, P.E., on March 15, 2021, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the 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, Cheney, WA or Kingston, ON and the 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 and renews** NOA #15-1027.06 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
06/24/2021

NOA No. 20-1005.02  
Expiration Date: 03/10/2026  
Approval Date: 06/24/2021  
Page 1

**Haakon Industries (Canada) LTD**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #10-1210.02**

**A. DRAWINGS**

1. *Drawing No. 6945, titled "Outdoor Style Air Handling Unit, Pentpak", sheets 1 through 15 of 15, prepared by Haakon Industries, last revision #1 dated January 12, 2011, signed and sealed by Douglas J. Ruggiano, P.E., on January 31, 2011.*

**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 4) ASTM E72-05 along with marked-up drawings and installation diagram of Steel Air Handler Model Pentpak, Outdoor Unit, prepared by Intertek Testing Services NA LTD, Test Report No. 100160907COQ-008, dated November 25, 2010, signed and sealed by Rick Curkeet, P.E.*

**C. CALCULATIONS**

1. *Finite Element Analysis on Outdoor-Style air Handling Unit, dated 12/02/10, revised on 01/12/11, signed & sealed by Douglas J. Ruggiano, P.E., on 01/31/11.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building and Neighborhood Compliance Department.*

**E. MATERIAL CERTIFICATIONS**

1. *Tensile Test per ASTM E8 by Intertek Testing Services NA LTD, Test Report No. 100160907COQ-008, dated 11/25/2010, signed and sealed by Rick Curkeet, P.E.*

**F. STATEMENTS**

1. *Letter of conformance with FBC 2007 Edition, dated December 09, 2010, signed and sealed by Douglas J. Ruggiano, P.E.*
2. *Letter of no financial interest, dated December 09, 2010, signed and sealed by Douglas J. Ruggiano, P.E.*
3. *Distributor Agreement.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #15-1027.06**

**A. DRAWINGS**

1. *Drawing No. 6945, titled "Outdoor Style Air Handling Unit, Pentpak", sheets 1 through 15 of 15, prepared by Haakon Industries, last revision #3 dated July 18, 2016, signed and sealed by Douglas J. Ruggiano, P.E., on July 18, 2016.*

**B. TESTS**


1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department Regulatory and Economic Resources (RER).*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 20-1005.02  
Expiration Date: 03/10/2026  
Approval Date: 06/24/2021



**Haakon Industries (Canada) LTD**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. STATEMENTS**

1. *Letter of conformance with FBC 2014 Edition, dated July 18, 2016, signed and sealed by Douglas J. Ruggiano, P.E.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 6945, titled "Outdoor Style Air Handling Unit, Pentpak", sheets 1 through 15 of 15, prepared by Haakon Industries, last revision #7 dated March 10, 2021, signed and sealed by Douglas J. Ruggiano, P.E., on March 15, 2021.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**


1. *By Miami-Dade County Department Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

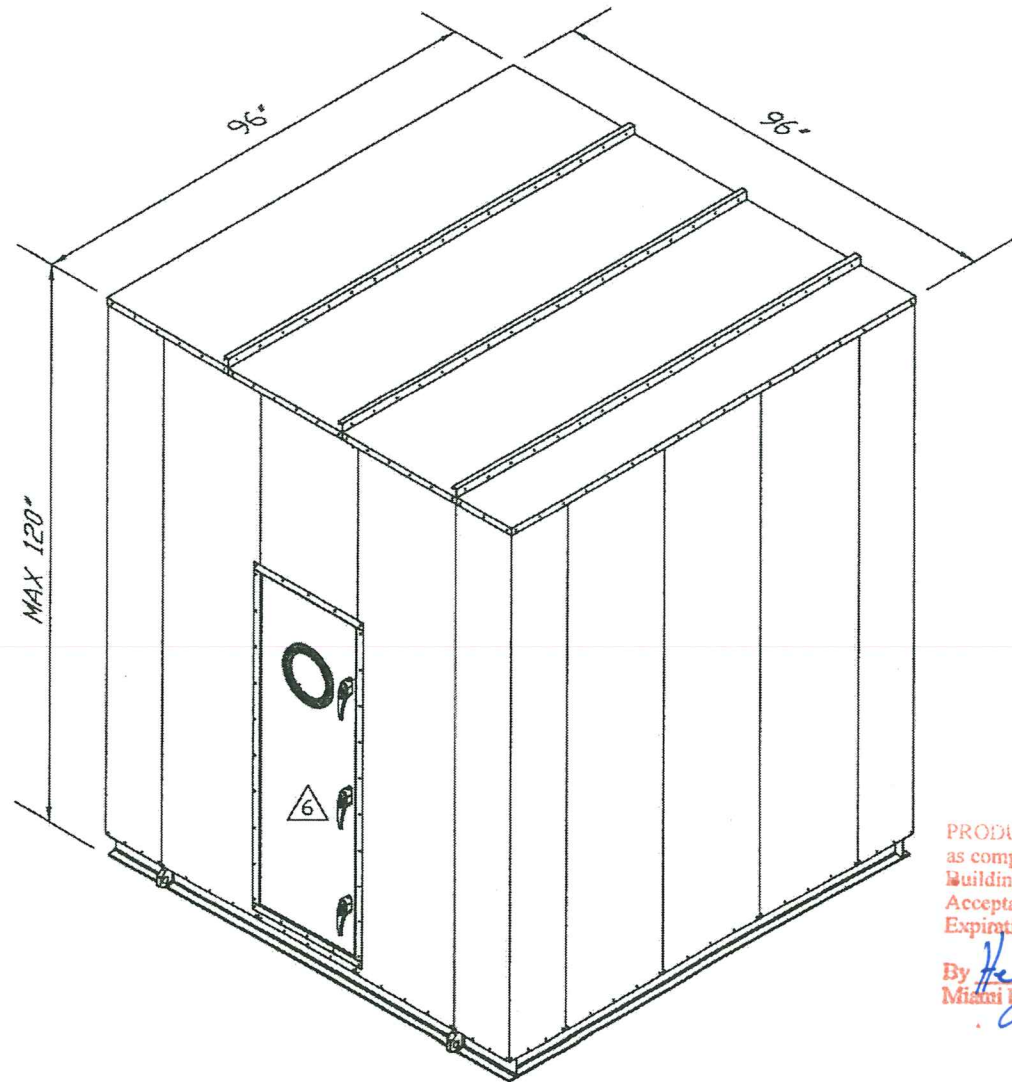
**F. STATEMENTS**

1. *Letter of conformance with FBC 2020 Edition, dated March 15, 2021, signed and sealed by Douglas J. Ruggiano, P.E.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 20-1005.02  
Expiration Date: 03/10/2026  
Approval Date: 06/24/2021

OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK

- A) THIS OUTDOOR STYLE AIR HANDLING UNIT IS DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2020 EDITION, INCLUDING THE PROVISIONS FOR HIGH VELOCITY HURRICANE ZONE (HVHZ).
- B) DESIGN LOADS MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE PROJECT PRESSURE CANNOT EXCEED THE DESIGN PRESSURE LISTED.
- C) ATTACHMENT TO THE ROOF AND THE ROOF CURB TO PREVENT SLIDING AND OVERTURNING OF THE AIR HANDLING UNIT IS NOT PART OF THE SCOPE OF THIS PRODUCT APPROVAL. THEY SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT.
- D) THE UNIT DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, SITE SPECIFIC DOCUMENTS PREPARED BY A LICENSED ENGINEER WILL BE REQUIRED.
- E) DISSIMILAR MATERIALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2020 EDITION.
- F) MECHANICAL EQUIPMENT INSIDE THE AIR HANDLING UNIT ARE NOT PART OF THIS NOA AND THEY SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 26-1005.02  
Expiration Date 03/10/2026  
By *[Signature]*  
Miami Dade Product Control

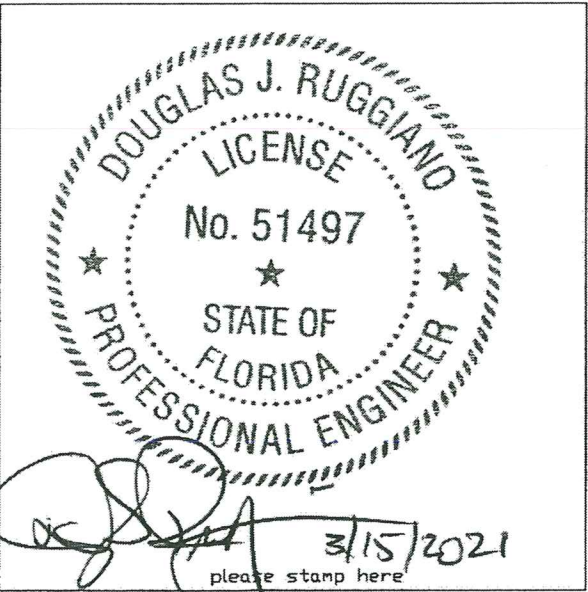
MAXIMUM DESIGN PRESSURE  
WALL: +66 PSF / -66 PSF  
ROOF: +50 PSF / -50 PSF


MAXIMUM NOMINAL DOOR SIZE  
WIDTH: 30"  
HEIGHT: 72"

MAXIMUM RACKING FORCE  
51.5 LBS/L.IN. OF THE WALL  
PANEL

MAXIMUM COMPRESSION FORCE  
230 LBS/L.IN. OF THE WALL  
PANEL

MAXIMUM TENSION FORCE  
26 LBS/L.IN. OF THE WALL  
PANEL



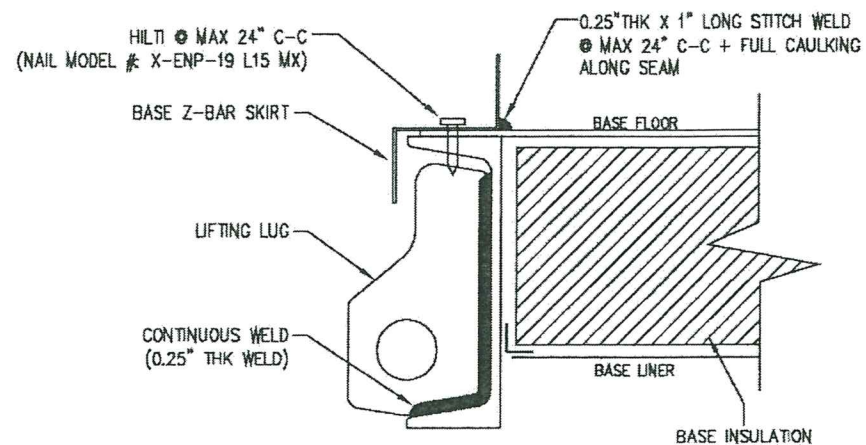
PROJECT						OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK		REVISION	0 (DEC 02, 2010)	 <b>HAAKON INDUSTRIES</b> 11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8
								REVISION	2 (MAY 10, 2016)	
								REVISION	3 (JUL 18, 2016)	
								REVISION	6 (MAR 15, 2018)	
								REVISION	7 (MAR 10, 2021)	
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE 1 OF 15					
TAG	DATE	MAR 10, 2021	TYPE	OUTDOOR	DWG UNITS	IN				



## UNIT BASE CONSTRUCTION DETAIL

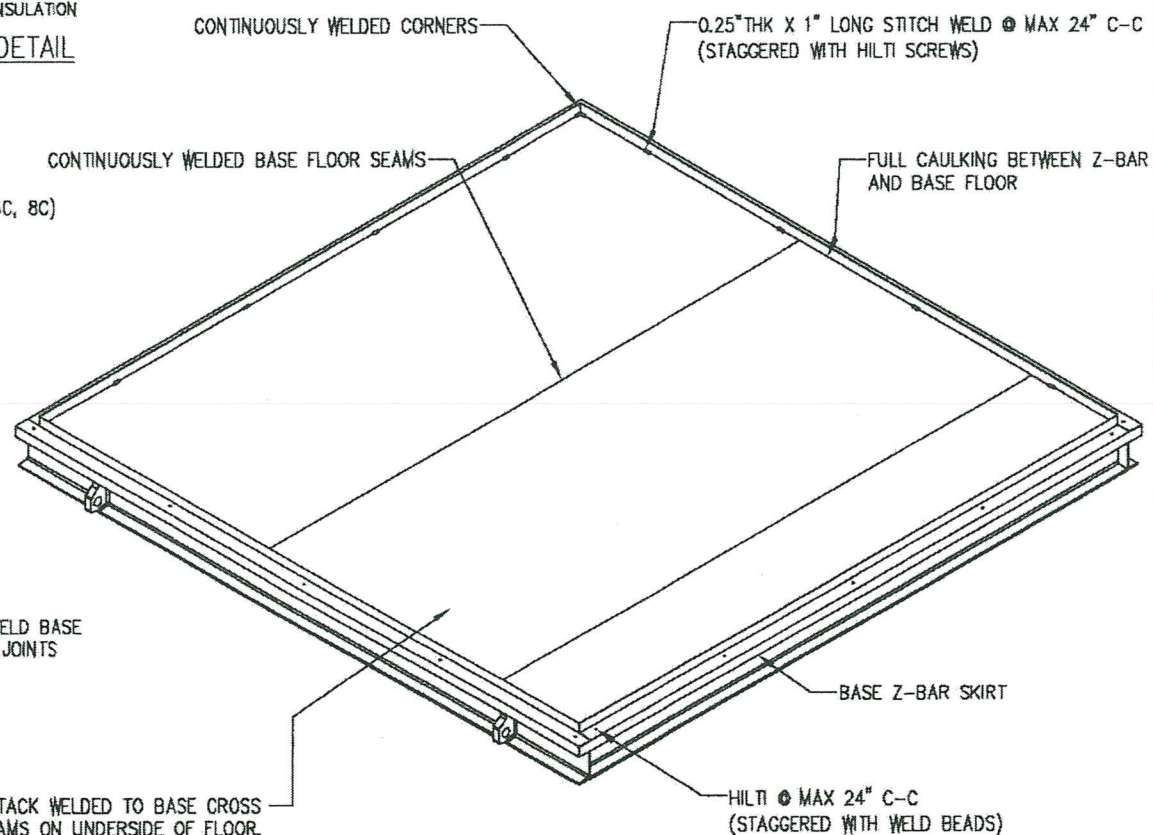
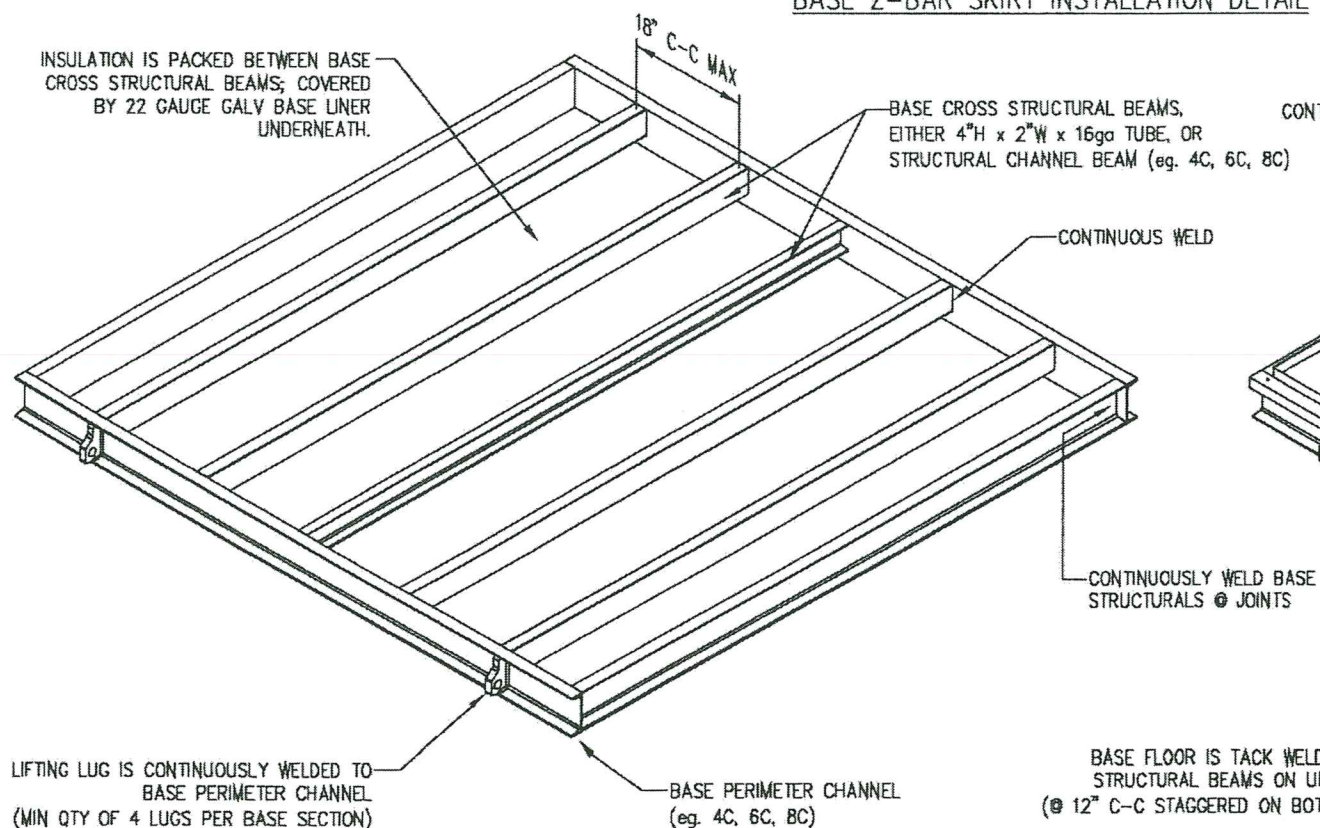
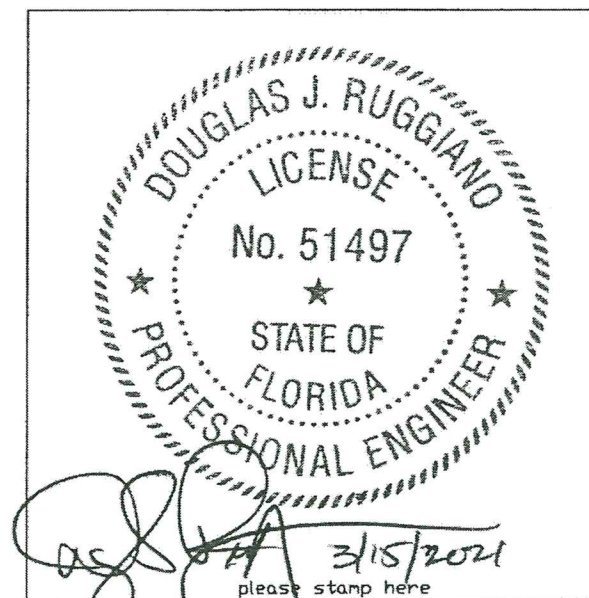
NOTES:


1. JOINTS OF BASE STRUCTURAL MEMBERS ARE CONTINUOUSLY WELDED TOGETHER, UNLESS OTHERWISE SPECIFIED.
2. CROSS STRUCTURAL MEMBERS ARE TYPICALLY AT MAX. 18" C-C.
3. BASE FLOOR IS WELDED TO BASE STRUCTURE AS SHOWN. ALL BASE FLOOR SEAMS ARE CONTINUOUSLY WELDED TOGETHER TO PREVENT LEAKAGE.
4. BASE Z-BAR SKIRT IS SECURED TO THE BASE STRUCTURE BY 0.25" THK X 1" LONG STITCH WELD AND HILT (w/ NAIL MODEL #: X-ENP-19 L15 MX), @ MAX 24" C-C STAGGERED. BASE Z-BAR SKIRT IS CONTINUOUSLY CAULKED ALONG BASE FLOOR SEAM.
5. LIFTING LUG IS CONTINUOUSLY WELDED TO BASE PERIMETER CHANNEL. TYP. WITH 0.25" THK WELD AND MIN. QTY OF 4 LUGS PER SECTION.
6. SEE DRAWING [PAGE 11 -- UNITBASE\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF UNITBASE COMPONENTS.



BASE Z-BAR SKIRT INSTALLATION DETAIL

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 20-1008.02  
Expiration Date 03/10/2026  
By Healy D. McIn  
Miami Code Product Control



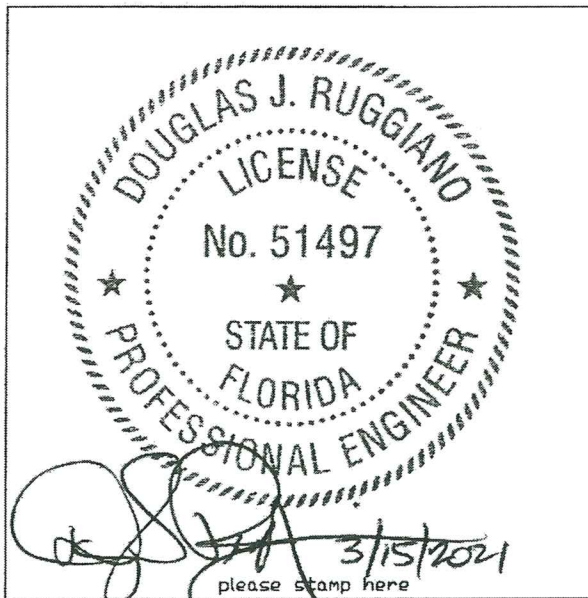
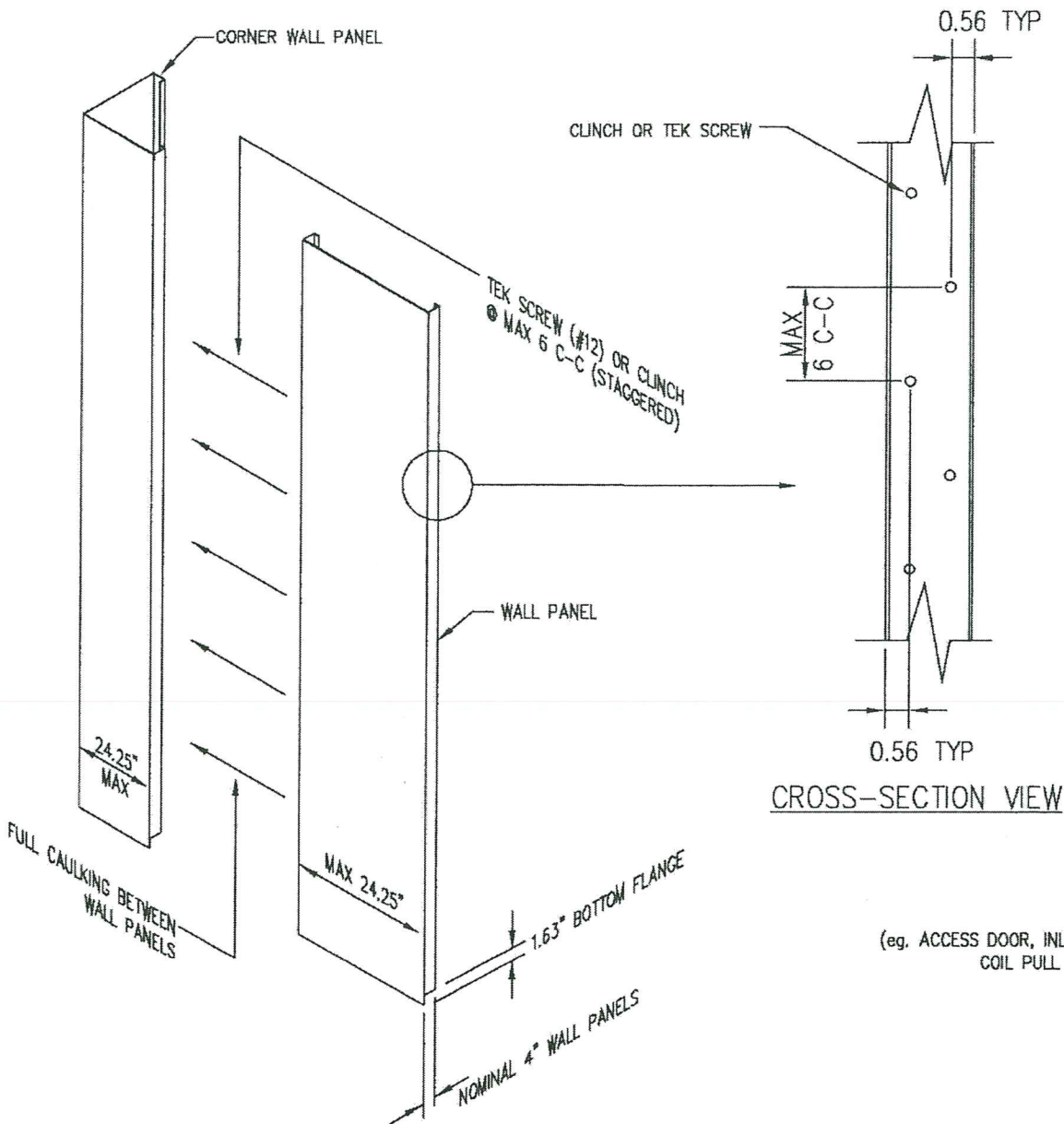
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												REVISION		1 (JAN 12, 2011)		
												REVISION		3 (JUL 18, 2016)		
JOB NO.		DRAWN BY		DY		DWG NO.		6945		PAGE		2 OF 15				
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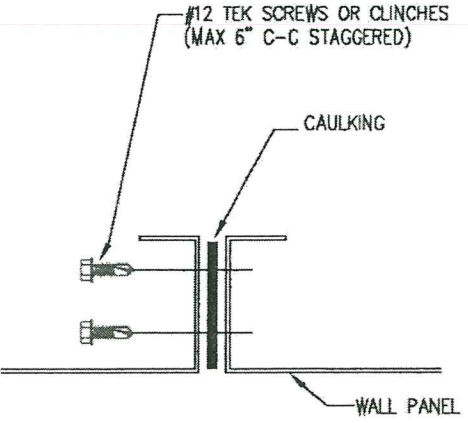
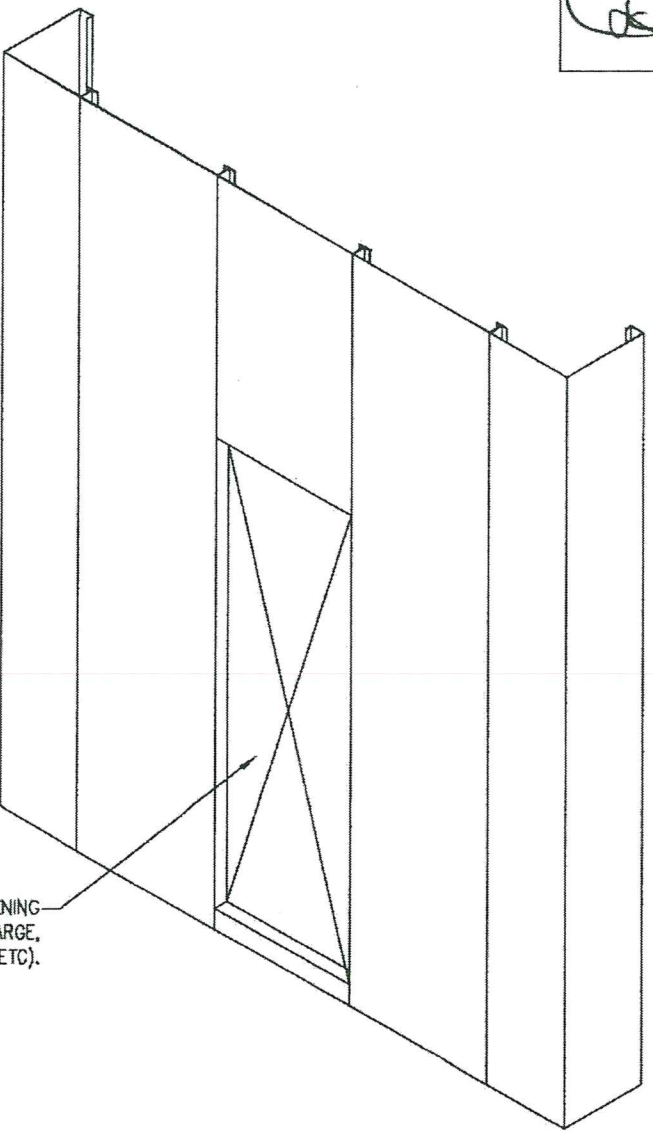
# WALL PANEL CONSTRUCTION DETAIL

NOTES:


- 1. WALL PANELS ARE NOMINAL 4" THK AND THEY ARE JOINED TOGETHER BY #12 TEK SCREWS OR CLINCHES @ MAX 6" C-C (STAGGERED).
- 2. FULL CAULKING BETWEEN PANELS IS DONE TO PREVENT AIR LEAKAGE.
- 3. WALL PANEL IS FABRICATED FROM 16GA GALVANEAELED SHEET METAL, UNLESS OTHERWISE SPECIFIED.
- 4. MAXIMUM PANEL WIDTH IS 24.25".
- 5. SEE DRAWING [PAGE 12 -- WALL\_PANEL\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF TYPICAL WALL PANEL COMPONENTS.



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Miami Data Product Control



WALL PANEL ASSEMBLY DETAIL

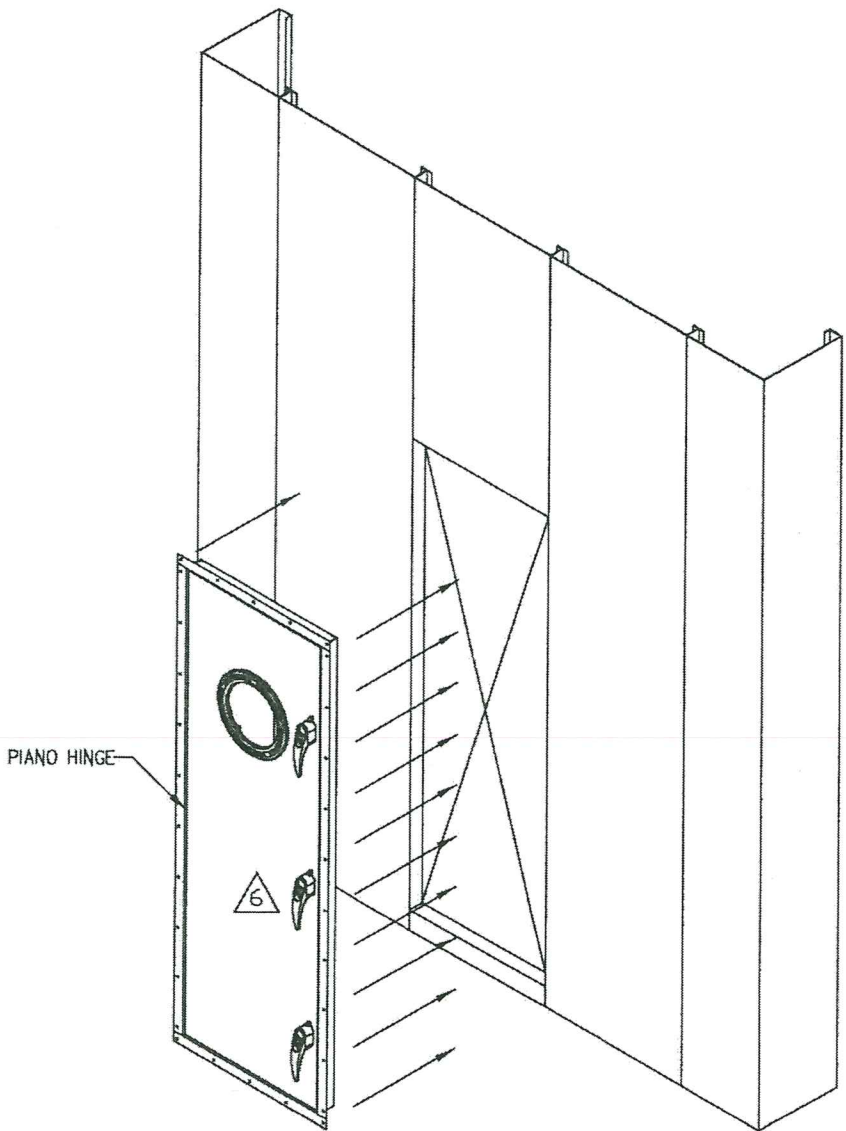
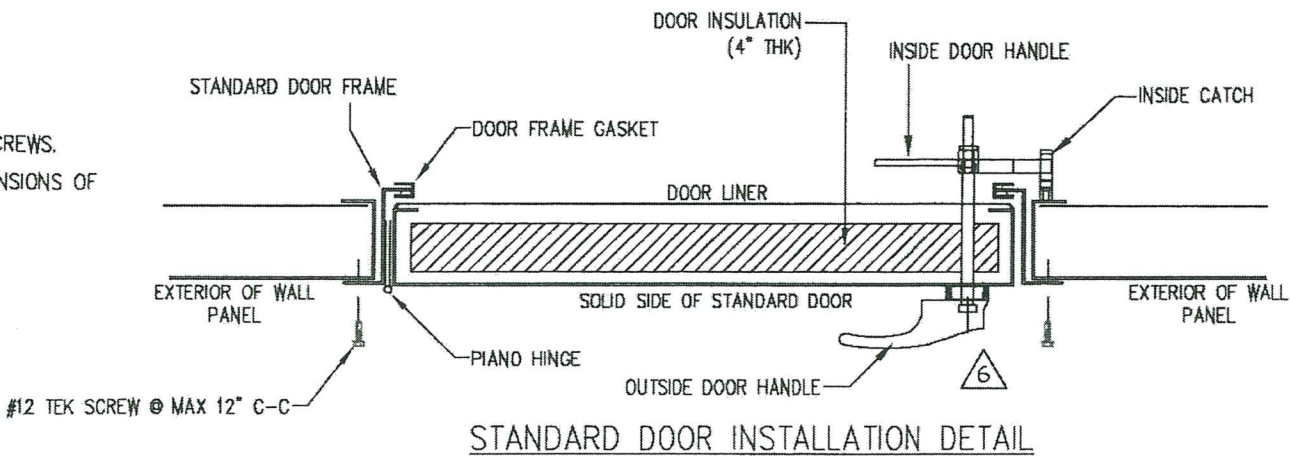
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												REVISION 1 (JAN 12, 2011)		
												REVISION 3 (JUL 18, 2016)		
JOB NO.		DRAWN BY		DY		DWG NO.		6945		PAGE 3 OF 15				
TAG		DATE		JAN 12, 2011		TYPE		OUTDOOR		DWG UNITS		IN		



# STANDARD DOOR CONSTRUCTION DETAIL

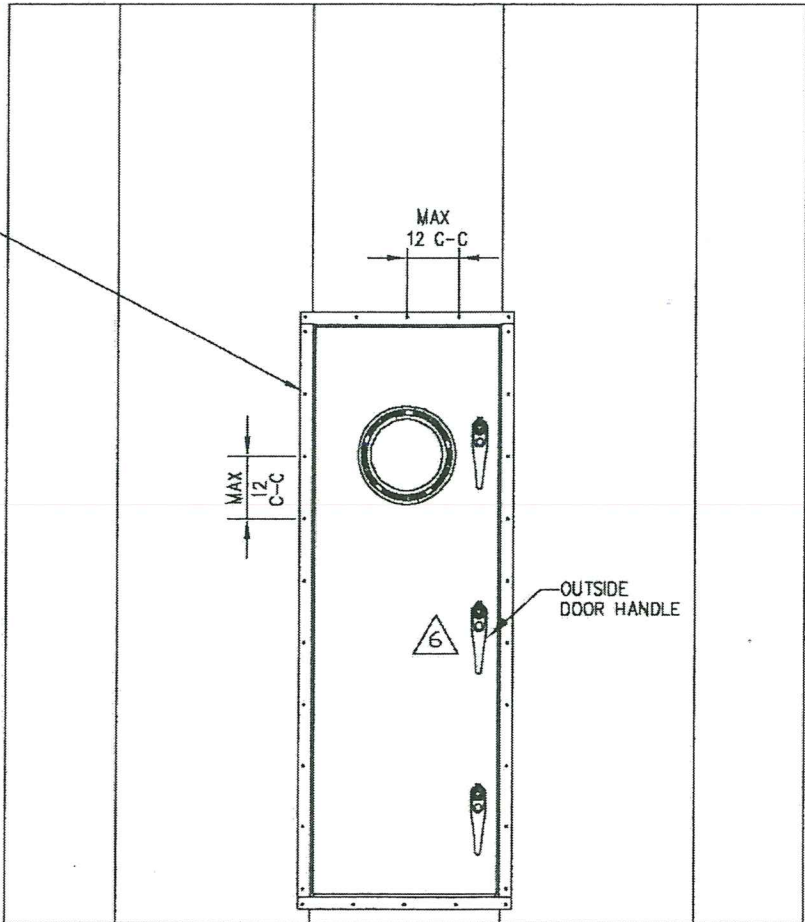
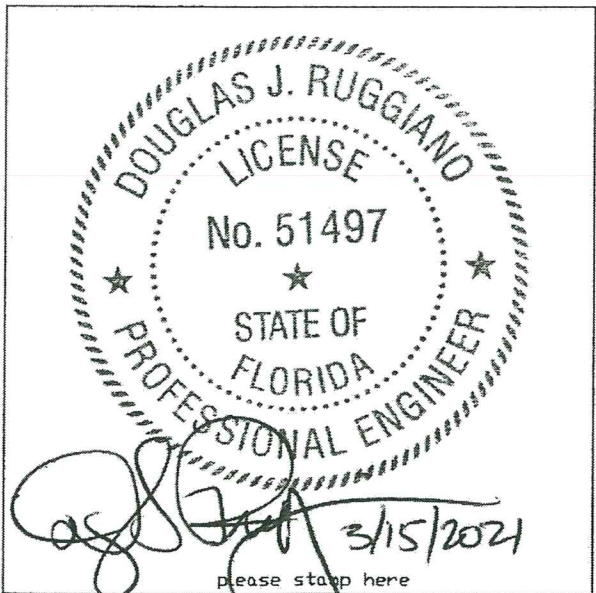
## NOTES:

1. STANDARD DOOR (OUTWARD SWINGING) IS ATTACHED TO DOOR FRAME WITH PIANO HINGE.
2. DOOR ASSEMBLY IS ATTACHED TO EXTERIOR OF AHU AS SHOWN. TYPICALLY @ MAX 12" C-C WITH #12 TEK SCREWS.
3. SEE DRAWING [PAGE 13 --- ACCESS\_DOOR\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF ACCESS DOOR COMPONENTS.



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Expiration Date 03/10/2026  
By *H. J. A. Miller*  
Miami Data Product Control

DOOR FRAME IS TEK SCREWED TO  
EXTERIOR OF WALL @ MAX 12" C-C.



TITLE OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK

JOB NO.	DRAWN BY DY	DWG NO. 6945	PAGE 4 OF 15
TAG	DATE MAR 15, 2018	TYPE OUTDOOR	DWG UNITS IN

REVISION	0 (DEC 02, 2010)
REVISION	1 (JAN 12, 2011)
REVISION	3 (JUL 18, 2016)
REVISION	6 (MAR 15, 2018)



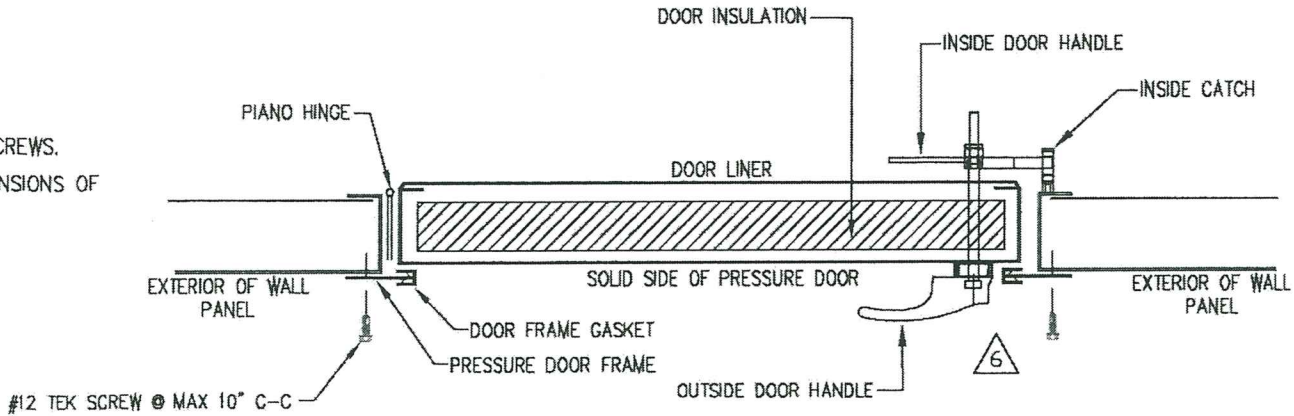
**HAAKON INDUSTRIES**

11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8

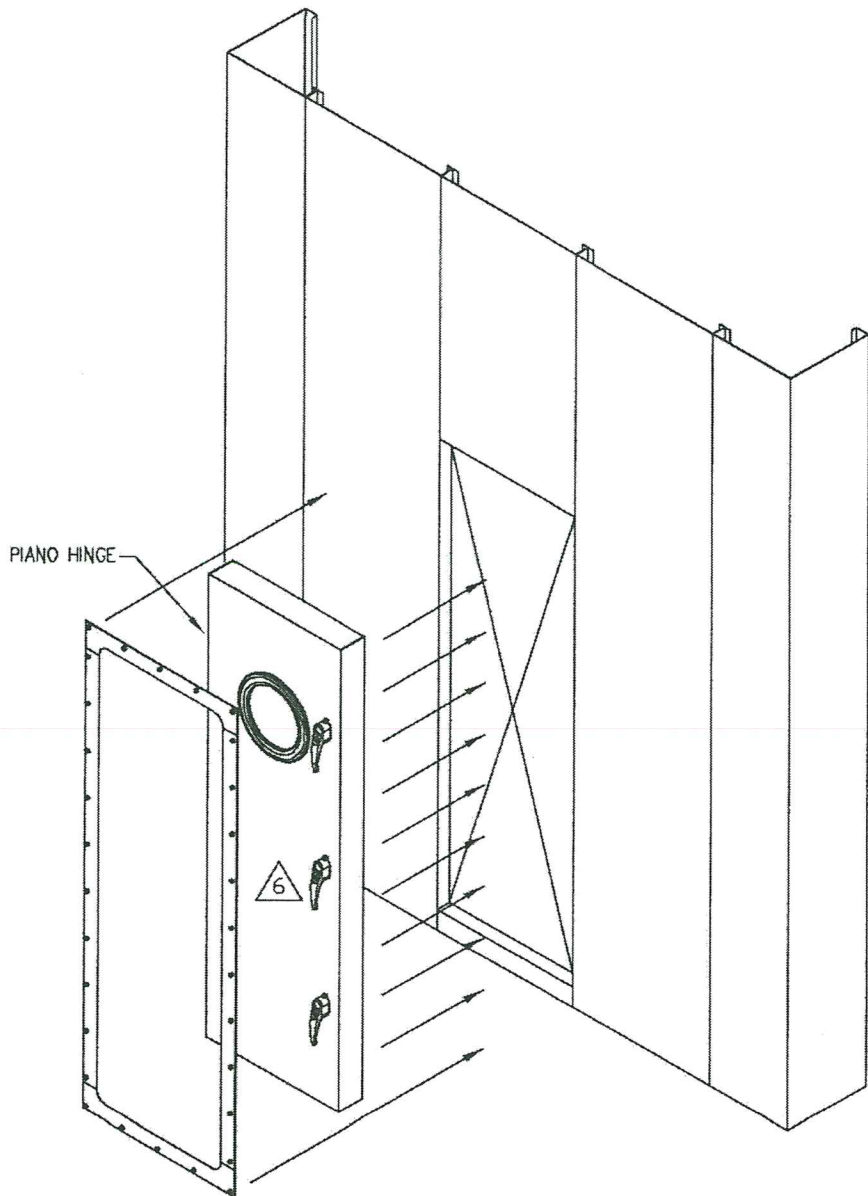


PRESSURE DOOR CONSTRUCTION DETAIL

- NOTES:
- 1. PRESSURE DOOR (INWARD SWINGING) IS ATTACHED TO DOOR FRAME WITH PIANO HINGE.
  - 2. DOOR ASSEMBLY IS ATTACHED TO EXTERIOR OF AHU AS SHOWN. TYPICALLY @ MAX 10" C-C WITH #12 TEK SCREWS.
  - 3. SEE DRAWING [PAGE 13 -- ACCESS\_DOOR\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF ACCESS DOOR COMPONENTS.

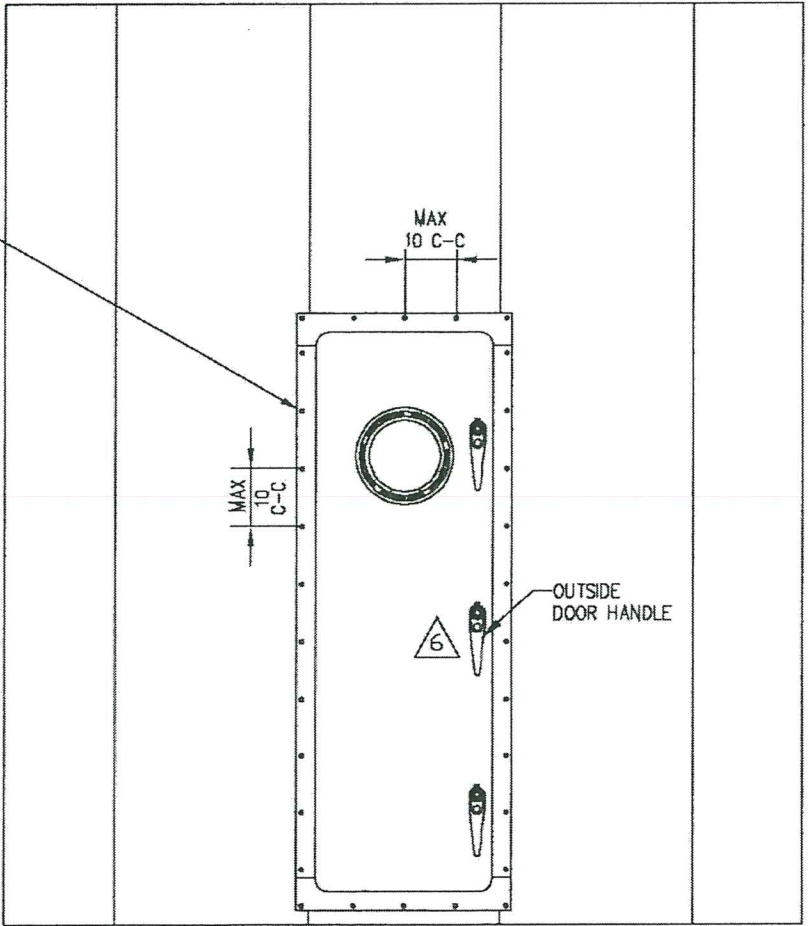
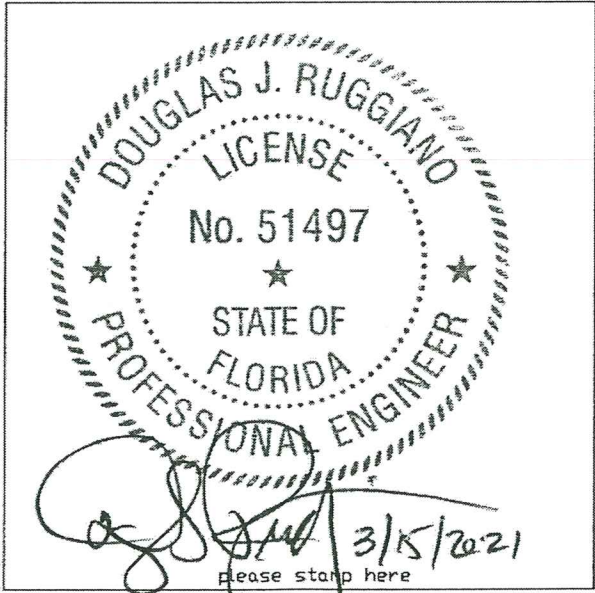



PRESSURE DOOR INSTALLATION DETAIL



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Acceptance No. 20-1005.02  
Expiration Date 05/10/2026  
By *H. A. Miller*  
Miami Data Product Control

DOOR FRAME IS TEK SCREWED TO  
EXTERIOR OF WALL @ MAX 10" C-C.

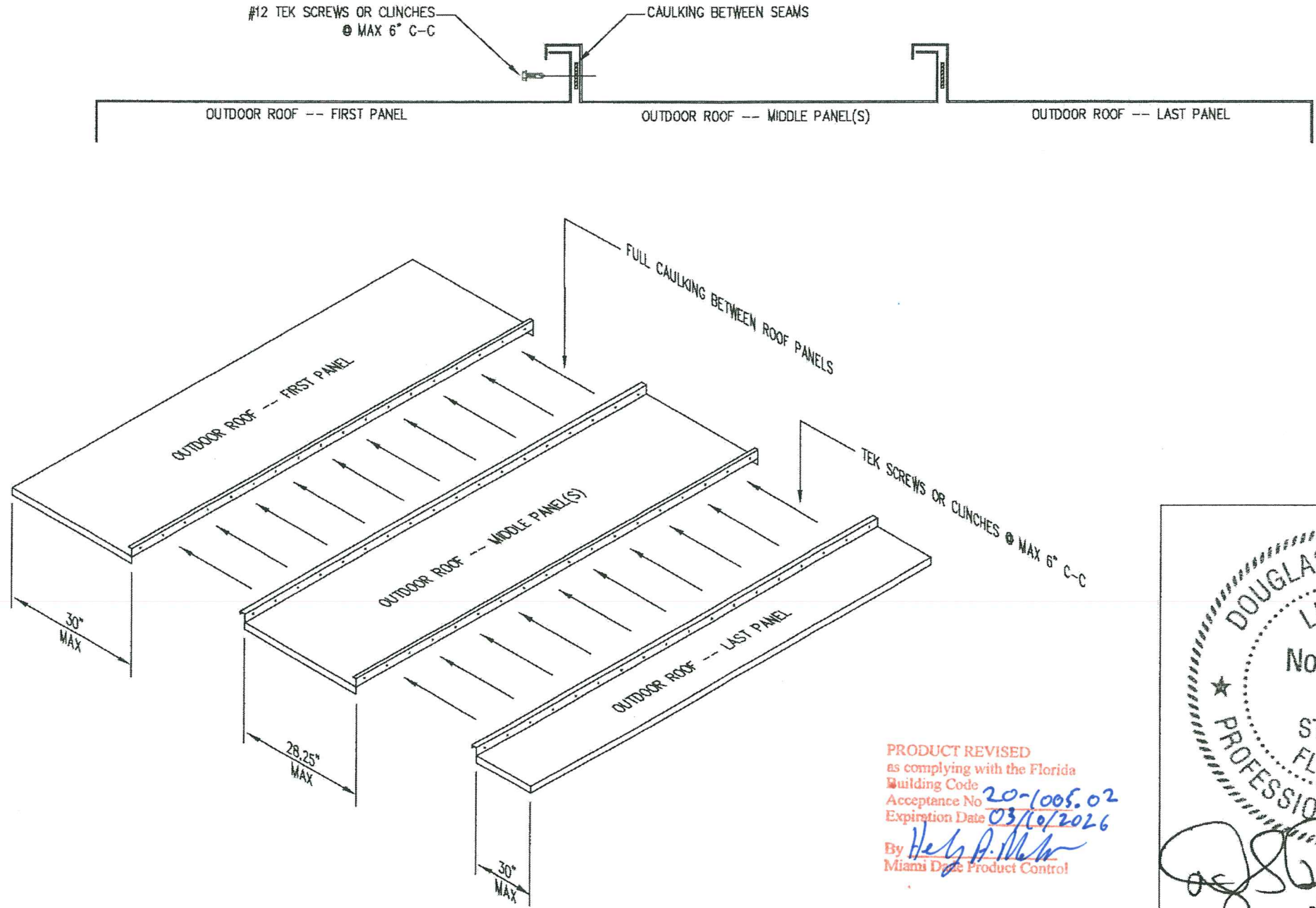


TITLE					OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK		REVISION	0 (DEC 02, 2010)	 <b>HAAKON INDUSTRIES</b> 11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8
JOB NO.					DRAWN BY	DY	REVISION	1 (JAN 12, 2011)	
TAC					DATE	MAR 15, 2018	REVISION	3 (JUL 18, 2016)	
					DWG NO.	6945	REVISION	6 (MAR 15, 2018)	
					PAGE	5 OF 15			
					TYPE	OUTDOOR			
					DWG UNITS	IN			

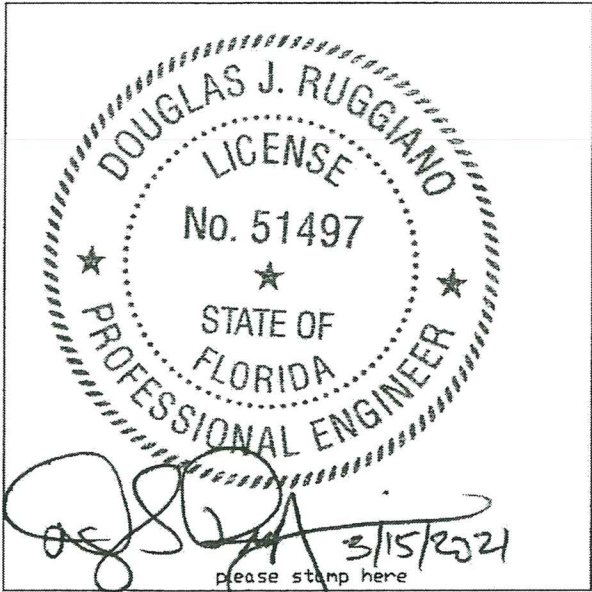



OUTDOOR ROOF CONSTRUCTION DETAIL

- NOTES:
- 1. OUTDOOR ROOF PANELS ARE JOINED TOGETHER BY TEK SCREWS OR CLINCHES @ MAX 6" C-C.
  - 2. FULL CAULKING BETWEEN ROOF PANELS IS DONE TO PREVENT AIR LEAKAGE.
  - 3. OUTDOOR ROOF PANEL IS FABRICATED FROM 16GA GALVANEAELED SHEET METAL, UNLESS OTHERWISE SPECIFIED.
  - 4. SEE DRAWING [PAGE 14 -- OUTDOOR\_ROOF\_PANEL\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF TYPICAL OUTDOOR ROOF COMPONENTS.



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Expiration Date 03/10/2026  
By *Hely P. M...*  
Miami Date Product Control

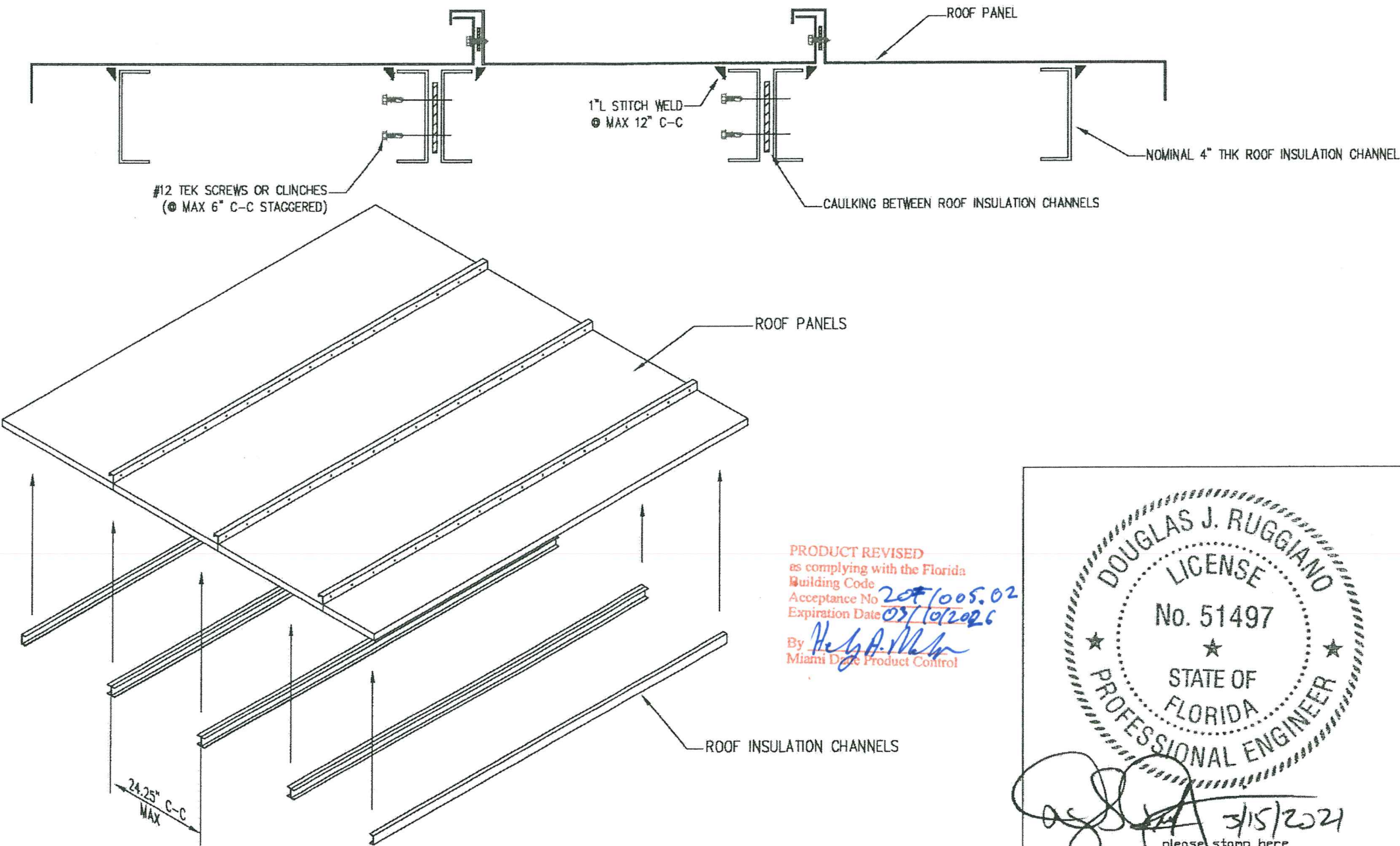



TITLE					OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK		REVISION	0 (DEC 02, 2010)	 <b>HAAKON INDUSTRIES</b> <small>11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8</small>
JOB NO.							REVISION	1 (JAN 12, 2011)	
TAG							REVISION	3 (JUL 18, 2016)	
DRAWN BY	DY	DWG NO.	6945	PAGE	6 OF 15				
DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN				

OUTDOOR ROOF INSULATION CHANNEL CONSTRUCTION DETAIL

NOTES:

- 1. ROOF INSULATION CHANNELS ARE JOINED TOGETHER BY #12 TEK SCREWS OR CLINCHES @ MAX 6" C-C.
- 2. ROOF INSULATION CHANNELS ARE TACK WELDED TO UNDERSIDE OF ROOF PANEL @ MAX 12" C-C.
- 3. ROOF INSULATION CHANNEL IS FABRICATED FROM 16GA GALVANEAL SHEET METAL, UNLESS OTHERWISE SPECIFIED.
- 4. SEE DRAWING [PAGE 14 -- OUTDOOR\_ROOF\_PANEL\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF TYPICAL ROOF INSULATION CHANNELS.



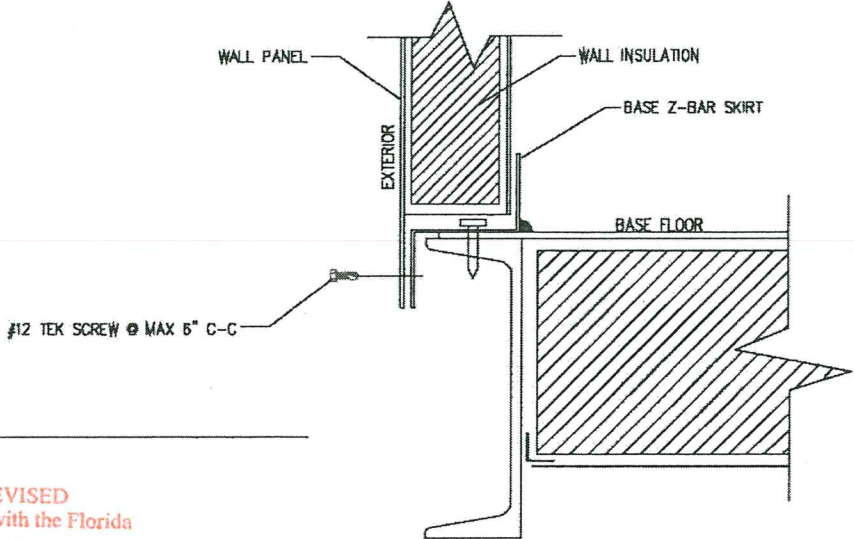
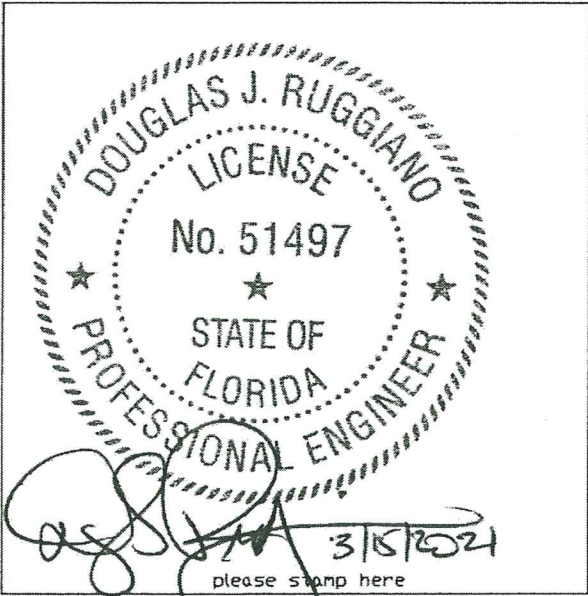
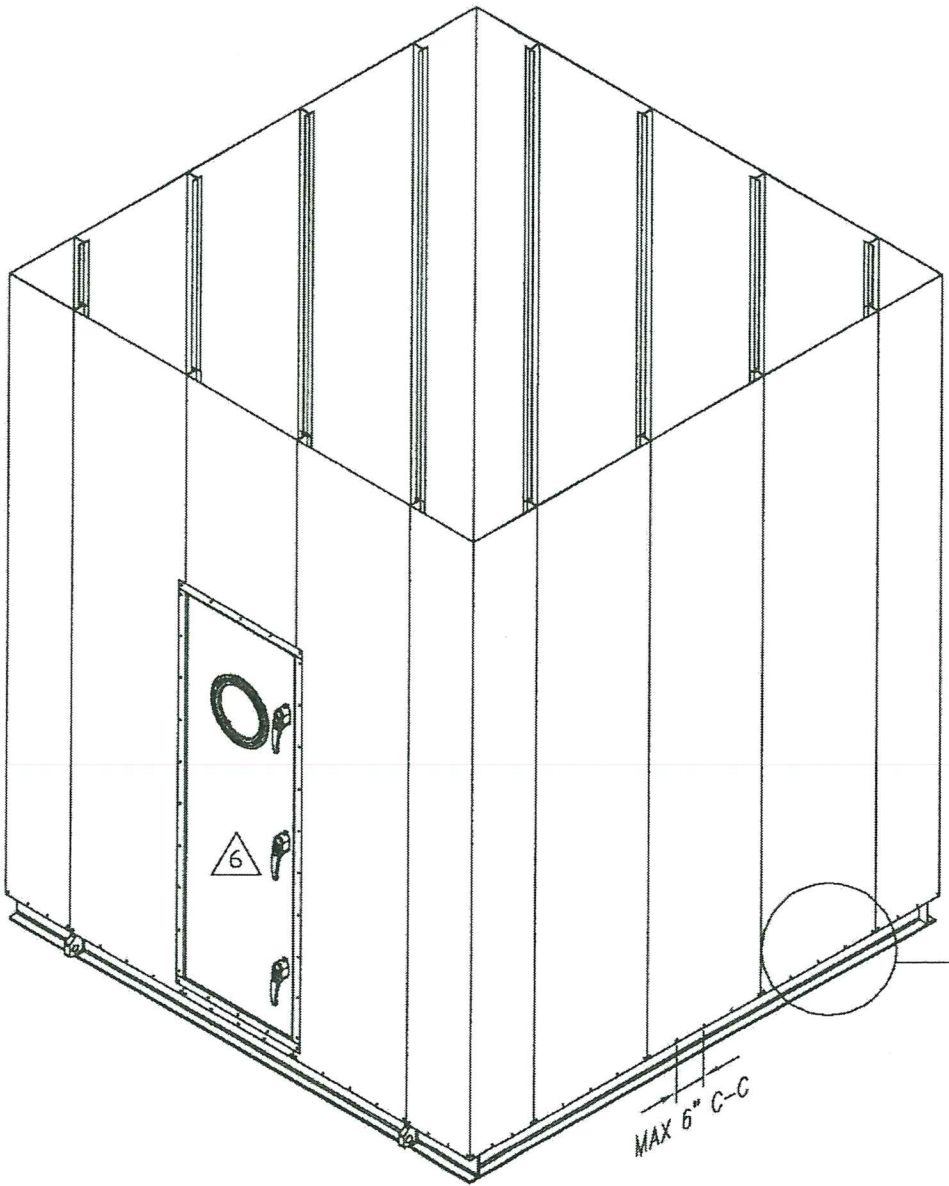
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JOB NO.		DRAWN BY	DY	DWG NO.	6945	PAGE	7 OF 15	
TAG		DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN	



WALL PANEL TO UNITBASE CONSTRUCTION DETAIL


NOTES:

1. BOTTOM FLANGE OF WALL PANEL IS ATTACHED TO BASE Z-BAR SKIRT WITH #12 TEK SCREWS @ MAX 6" C-C.



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as complying with the Florida  
Building Code  
Acceptance No. 20-1005.02  
Expiration Date 07/01/2026  
By [Signature]  
Miami Dade Product Control

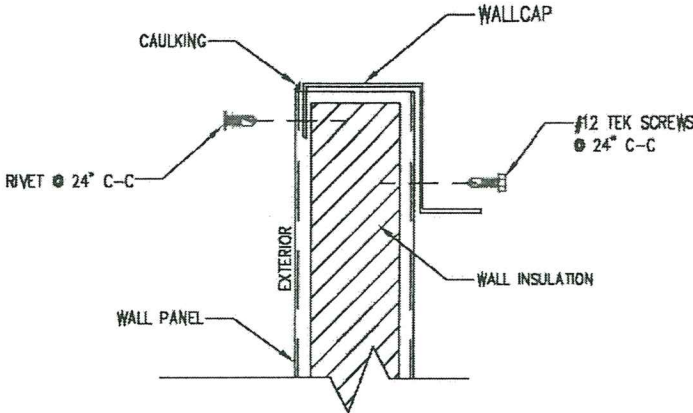
WALL PANEL TO UNITBASE INSTALLATION DETAIL

PROJECT		OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK			REVISION 0 (DEC 02, 2010)	 <b>HAAKON INDUSTRIES</b> 11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8
					REVISION 1 (JAN 12, 2011)	
					REVISION 3 (JUL 18, 2016)	
					REVISION 6 (MAR 15, 2018)	
JOB NO.	DRAWN BY DY	DWG NO. 6945	PAGE 8 OF 15			
TAC	DATE MAR 15, 2018	TYPE OUTDOOR	DWG UNITS IN			

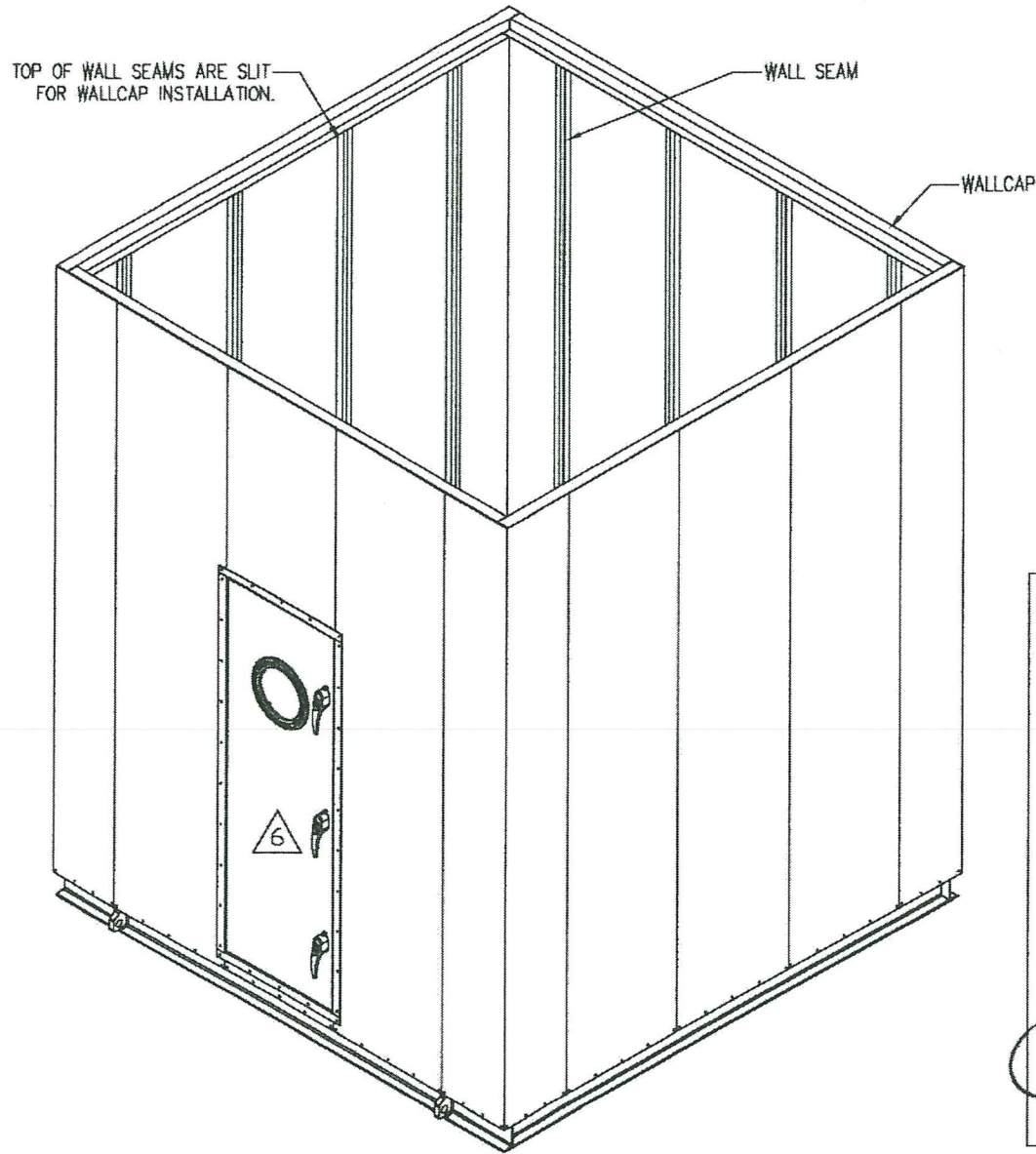


WALLCAP INSTALLATION DETAIL

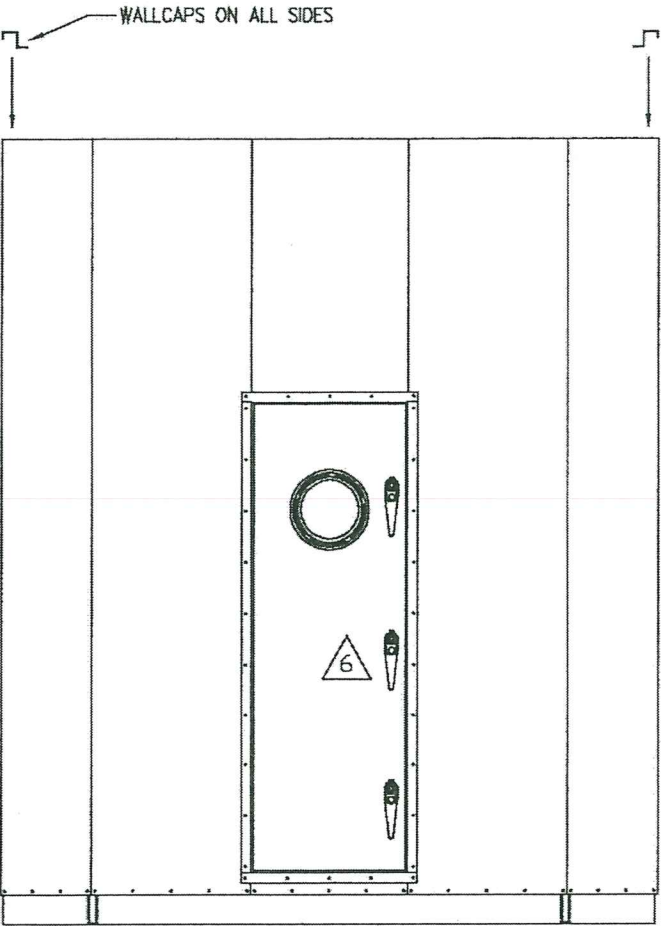
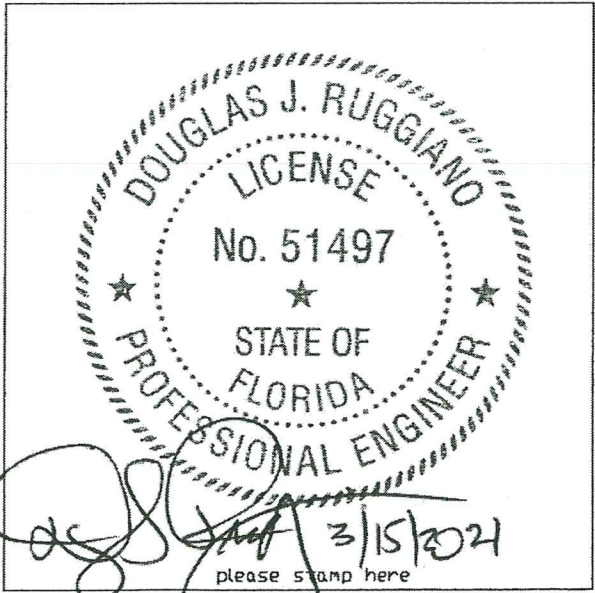
- NOTES:
- 1. WALLCAPS ARE INSTALLED ON TOP OF WALLS AS SHOWN. WALLCAPS ARE USED TO SUPPORT ROOF.
  - 2. SEE DRAWING [PAGE 15 -- WALLCAP\_STRUCTURAL\_PROPERTIES] FOR MECHANICAL PROPERTIES AND DIMENSIONS OF WALLCAP.




WALLCAP INSTALLATION DETAIL



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Expiration Date 03/10/2026  
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Miami Data Product Control



PROJECT					OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK					REVISION 0 (DEC 02, 2010)		 <b>HAAKON INDUSTRIES</b> 11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8
										REVISION 1 (JAN 12, 2011)		
										REVISION 3 (JUL 18, 2016)		
										REVISION 6 (MAR 15, 2018)		
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	9	OF	15				
TAG	DATE	MAR 15, 2018	TYPE	OUTDOOR	DWG UNITS	IN						

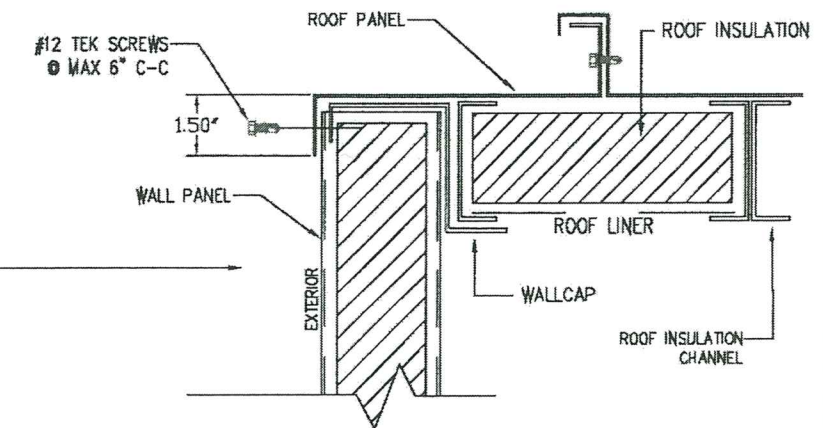
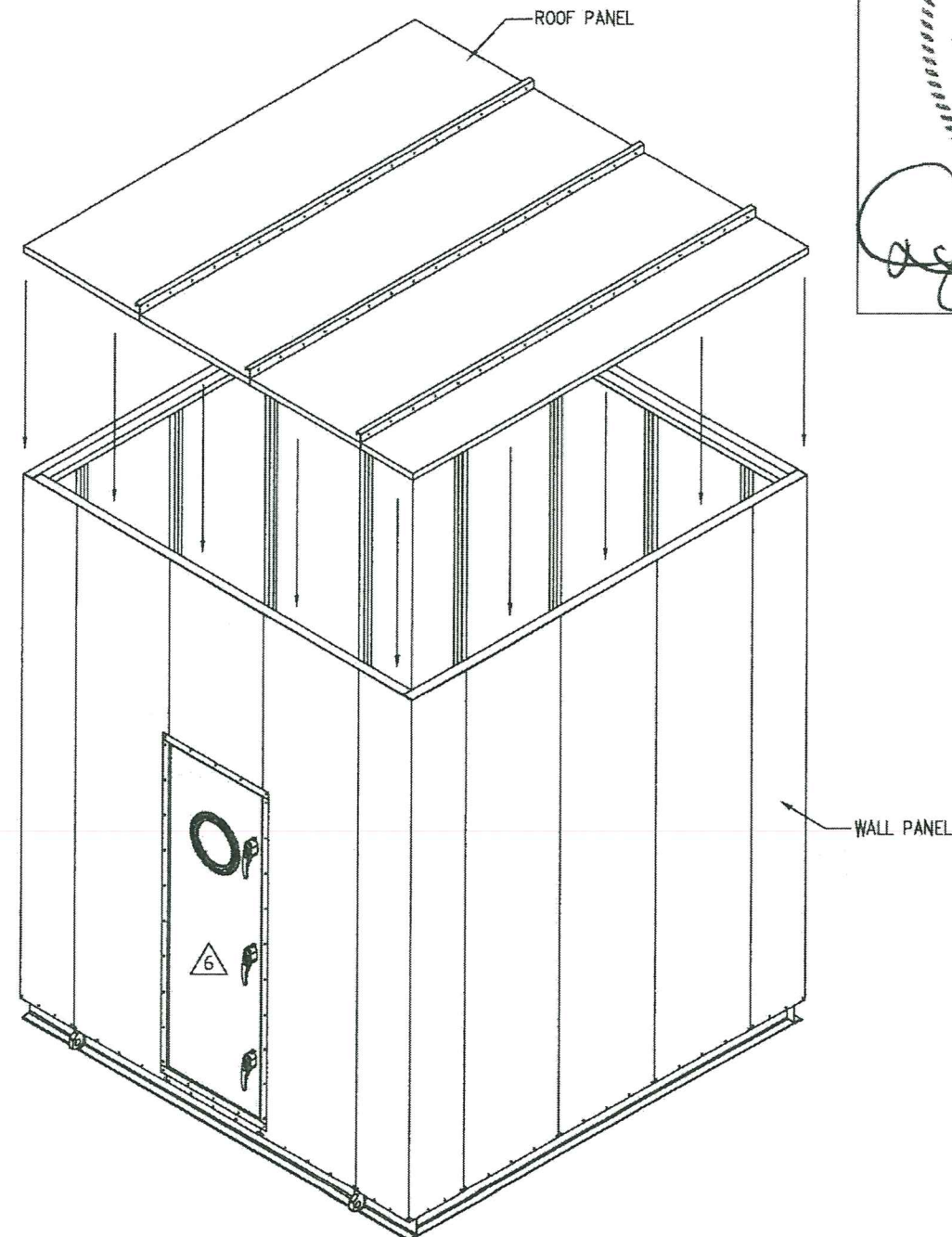


NOTES:

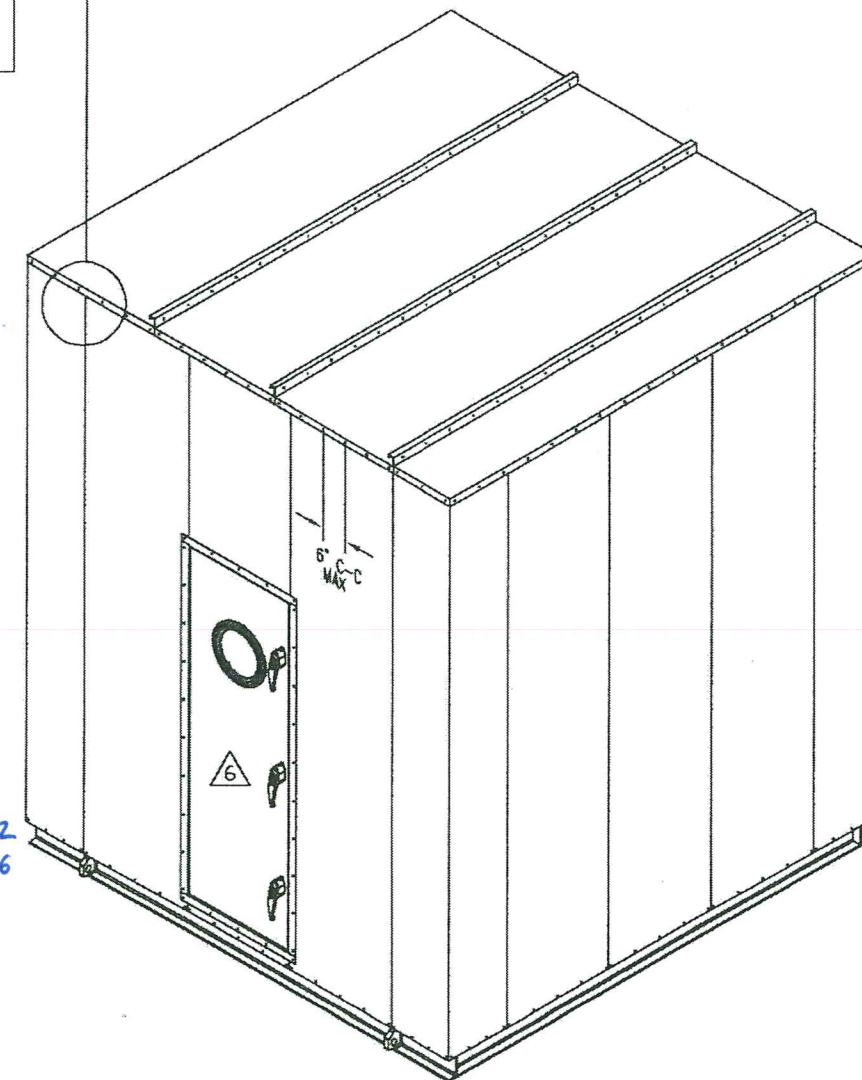
DOUGLAS J. RUGGIANO  
LICENSE  
No. 51497  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

*D. J. Ruggiano* 3/15/2021

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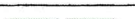


ROOF INSTALLATION DETAIL



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By Heidi P. Allen  
Miami Dade Product Control

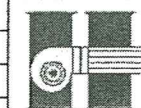
PROJECT		OUTDOOR STYLE AIR HANDLING UNIT, PENTPAK			REVISION	0 (DEC 02, 2010)
					REVISION	1 (JAN 12, 2011)
					REVISION	3 (JUL 18, 2016)
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	10 OF 15
TAG	DATE	MAR 15, 2018	TYPE	OUTDOOR	DWG UNITS	IN
					REVISION	6 (MAR 15, 2018)



# HAAKON

## INDUSTRIES

11851 DYKE ROAD, RICHMOND, B.C. CANADA V7A 4X8





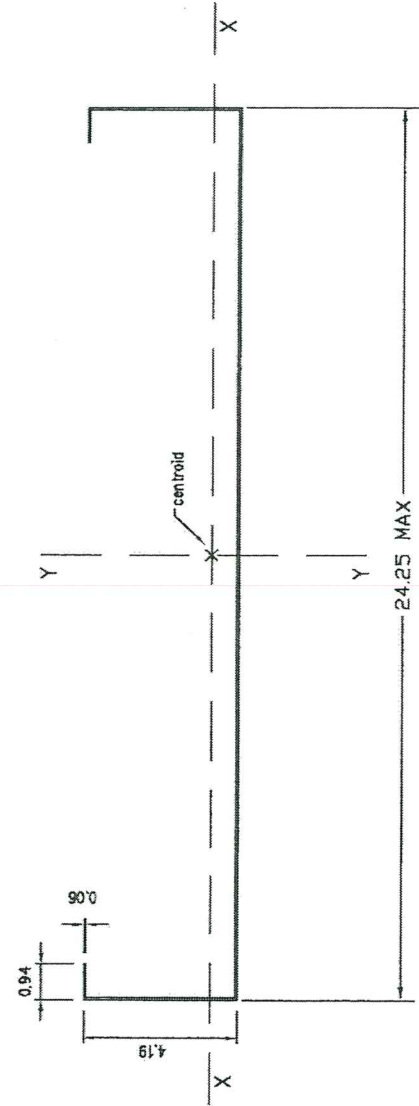




# Mechanical Properties of Typical Wall Panels

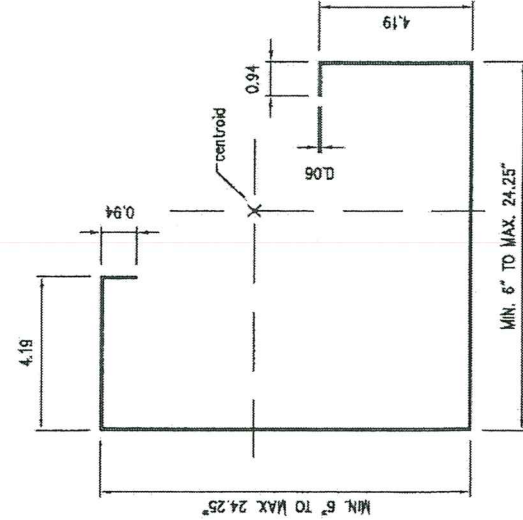
(A) BREAK PROFILE OF NOMINAL 4" WALL PANEL

Material: 16ga Galvanealed Sheet Metal Steel



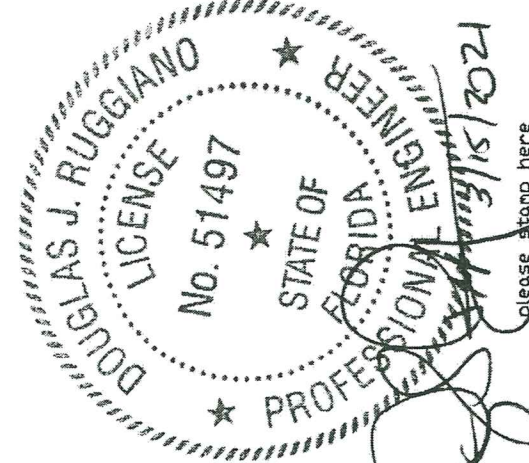
(B) BREAK PROFILE OF NOMINAL 4" CORNER PANEL

Material: 16ga Galvanealed Sheet Metal Steel



NOTE:  
1. ALL DIMENSIONS ARE IN INCHES.

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TITLE OUTDOOR STYLE AIR HANDLING UNIT, PENTAK

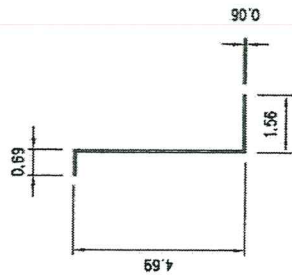
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	12 OF 15	REVISION	1 (JAN 12, 2011)
TAG	DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN	REVISION	3 (JUL 18, 2016)



Mechanical Properties of Typical Door Components

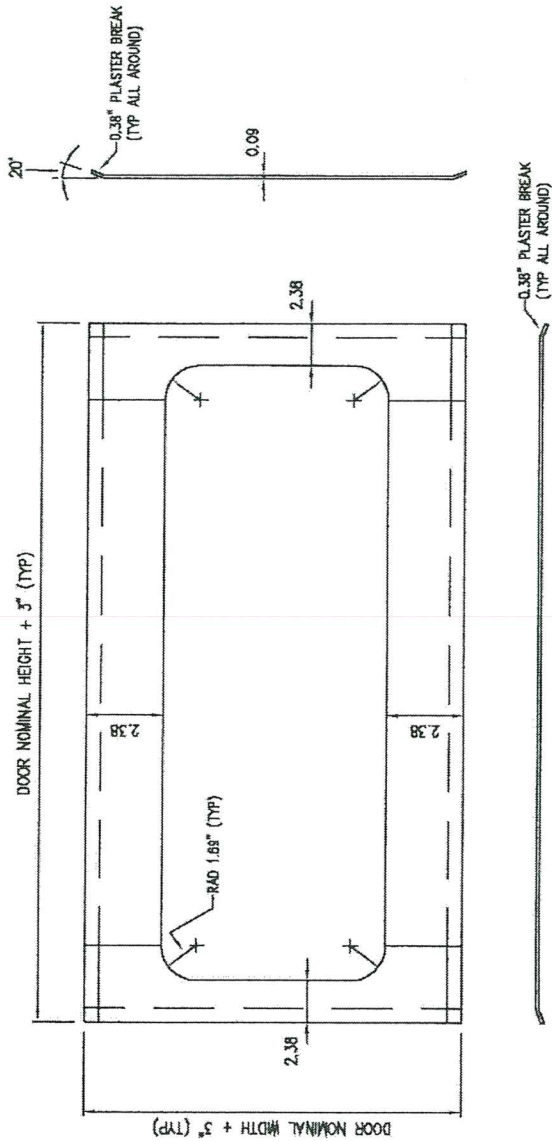
(A) BREAK PROFILE OF DOOR FRAME FOR STANDARD DOOR

Material: 16ga Galvanealed Sheet Metal Steel



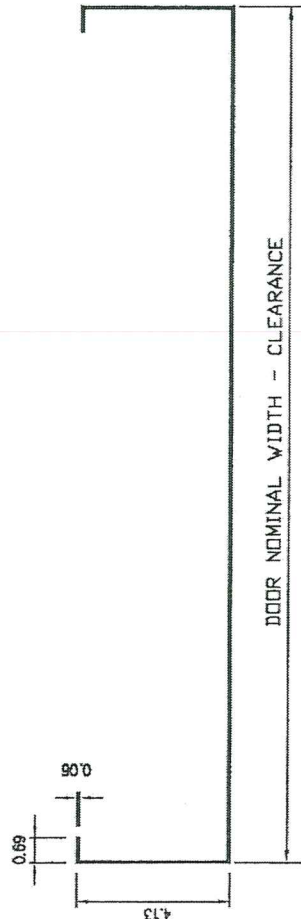
(B) BREAK PROFILE OF DOOR FRAME FOR PRESSURE DOOR

Material: 12ga Galvanealed Sheet Metal Steel

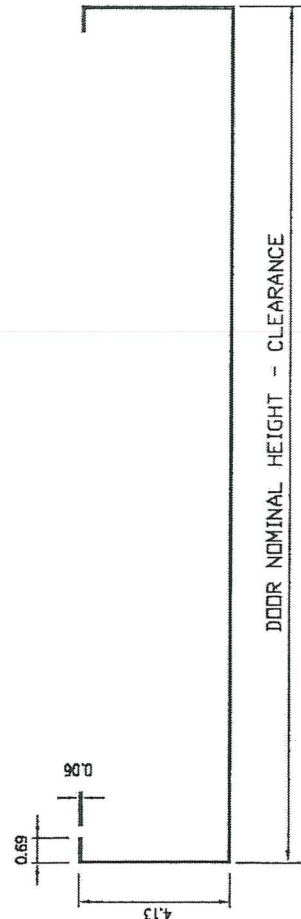


(C) BREAK PROFILE OF ACCESS DOOR

Material: 16ga Galvanealed Sheet Metal Steel



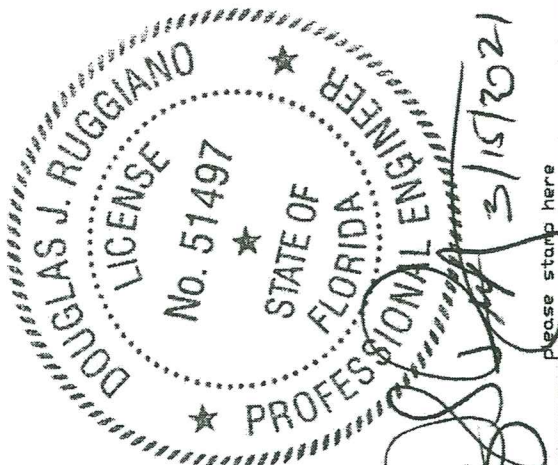
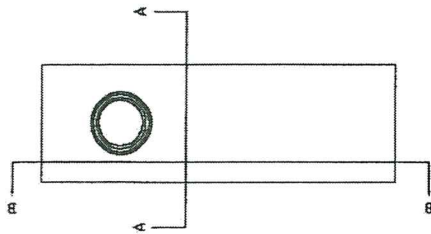
SECTION A-A



SECTION B-B

NOTE:  
1. ALL DIMENSIONS ARE IN INCHES.

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TITLE OUTDOOR STYLE AIR HANDLING UNIT, PENTAK



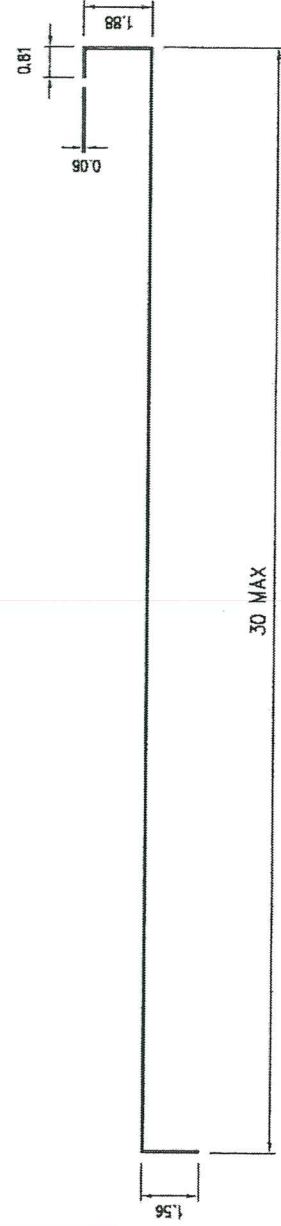
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	13 OF 15	REVISION	1 (JAN 12, 2011)
TAG	DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN	REVISION	3 (JUL 18, 2016)



Mechanical Properties of Typical Outdoor Roof Components

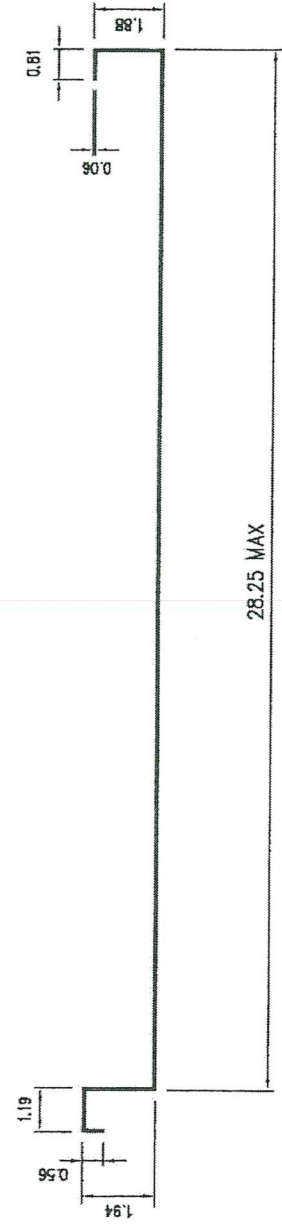
(A) BREAK PROFILE OF TYPICAL OUTDOOR ROOF PANEL -- FIRST PANEL

Material: 16ga Galvanealed Sheet Metal Steel



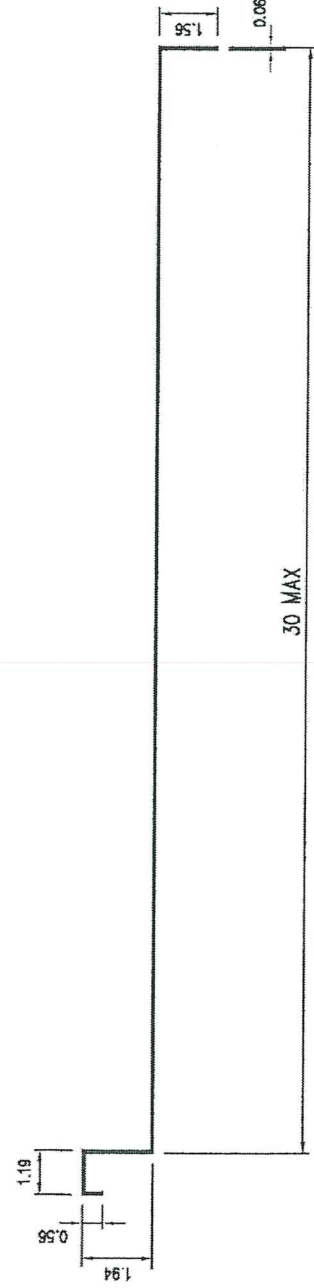
(B) BREAK PROFILE OF TYPICAL OUTDOOR ROOF PANEL -- MIDDLE PANEL(S)

Material: 16ga Galvanealed Sheet Metal Steel



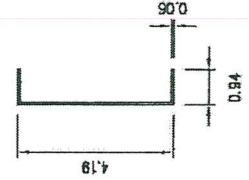
(C) BREAK PROFILE OF TYPICAL OUTDOOR ROOF PANEL -- LAST PANEL

Material: 16ga Galvanealed Sheet Metal Steel



(D) BREAK PROFILE OF TYPICAL ROOF INSULATION CHANNEL

Material: 16ga Galvanealed Sheet Metal Steel



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Miami Date Product Control

NOTE:  
1. ALL DIMENSIONS ARE IN INCHES.



*Heidi A. Miller*  
3/15/2021  
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TITLE OUTDOOR STYLE AIR HANDLING UNIT, PENTAK



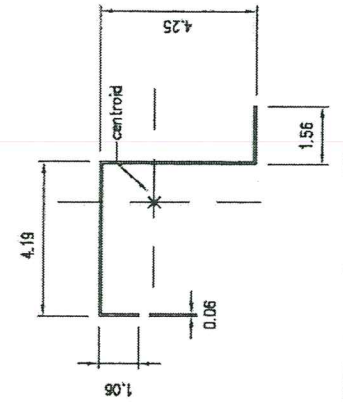
JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	14	OF	15	REVISION	1	(JAN 12, 2011)
TAG	DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN			REVISION	3	(JUL 18, 2016)



# Mechanical Properties of Wallcap

A BREAK PROFILE OF WALLCAP

Material: 16ga Galvanealed Sheet Metal Steel



NOTE:  
1. ALL DIMENSIONS ARE IN INCHES.

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## TITLE OUTDOOR STYLE AIR HANDLING UNIT, PENTAK

JOB NO.	DRAWN BY	DY	DWG NO.	6945	PAGE	15	OF	15	REVISION	1	(JAN 12, 2011)
TAG	DATE	JAN 12, 2011	TYPE	OUTDOOR	DWG UNITS	IN			REVISION	3	(JUL 18, 2016)



**HAAKON**  
**INDUSTRIES**

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