



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Amerikooler LLC
575 E 10 Avenue
Hialeah, FL 33010

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: Walk-In Cooler / Freezer

APPROVAL DOCUMENT: Drawing No. KC20-0725, titled "Walk-In Cooler / Freezer", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated December 07, 2020, signed and sealed by J. W. Knezevich, P.E., on December 08, 2020, bearing the Miami-Dade County Product Control Renewal 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, city, state 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 **renews NOA #20-1215.06** and consists of this page 1, evidence submitted pages E-1 and 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
10/20/2022

NOA No. 22-0914.05
Expiration Date: 11/23/2027
Approval Date: 10/20/2022

Amerikooler LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0802.12

A. DRAWINGS

1. *Drawing No. KC17-0518, titled "Walk-In Cooler / Freezer", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated July 26, 2017, signed and sealed by J. W. Knezevich, P.E., on July 31, 2017.*

B. TESTS

1. *Test report on Large Missile Impact Test TAS-201, Cyclic Load Test TAS-203 and Uniform Static air Pressure Test TAS 202, Axial Load Test, and Racking load Test per ASTM E72-14a on Metal Sheathed Urethane Foam Filled Modular Panel Walk-in Coolers / Freezers, prepared by ATL of South Florida, Report No. 0309.01-17, dated May 22, 2017, revision #1 dated July 28, 2017, signed and sealed by Stephen Warter, P.E.*

C. CALCULATIONS

1. *Calculation titled "Amerikooler Walk-in Cooler / Freezer", dated July 19, 2017, pages 1 through 63 of 63, prepared by Knezevich Consulting, signed and sealed by J. W. Knezevich, P.E., on July 21, 2017.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *Test report on skin thickness and specification prepared by QC Metallurgical, Inc., Report No. 17EM-411, dated 06/02/17, signed and sealed by Jerry Iaciofano, P.E.*
2. *Test report on Urethane Foam by UL.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-1215.06

A. DRAWINGS

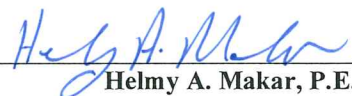
1. *Drawing No. KC20-0725, titled "Walk-In Cooler / Freezer", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated December 07, 2020, signed and sealed by J. W. Knezevich, P.E., on December 08, 2020.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculation titled "Amerikooler Walk-in Cooler / Freezer", dated 12/07/2020, pages 1 through 7 of 7, prepared by Knezevich Consulting, signed and sealed by J. W. Knezevich, P.E., on 12/07/2020.*



**Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor**

NOA No. 22-0914.05

Expiration Date: 11/23/2027

Approval Date: 10/20/2022

Amerikooler LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

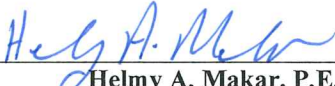
1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-0914.05
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GENERAL NOTES:

1. These Product Evaluation Documents (PEDs) represent a Walk-in Cooler/Freezer system analyzed in accordance with the provisions set for the issuance of a Notice of Acceptance (NOA) by the Miami-Dade Department of Regulatory and Economic Resources, Product Control Section. The system is designed and tested in accordance with the Florida Building Code 6th Edition (2017) and 7th Edition (2020), including the High Velocity Hurricane Zone (HVHZ) provisions.
2. These PEDs address the structural and material requirements for compliance with the structural portions of the noted codes. Architectural, mechanical, electrical and waterproofing requirements are not part of the evaluation. Specific use of the evaluation requires the Architect or Engineer of Record to address the architectural, mechanical, electrical, and waterproofing requirements for the installation.
3. Design Loads
- A. Roof:
- | | | |
|--|------------|----------|
| 1) Live Load | | 30.0 psf |
| 2) Dead Load | Roof Panel | 3.4 psf |
| 3) Maximum weight of mechanical equipment is 330 lbs. per condensing unit. Space units at least 4'-0" o.c. | | |
- B. Walls:
- | | | |
|--------------|------------|---------|
| 1) Dead Load | Wall Panel | 2.0 psf |
|--------------|------------|---------|
- C. Floor:
- | | | |
|--------------|-----------------|---|
| 1) Live Load | Insulated Floor | 250 psf
(limit to rating of concrete slab) |
| | Floorless | Slab rating |
| 2) Dead Load | Floor Panel | 3.0 psf |
- D. Wind loads shall be determined in accordance with the Authority Having Jurisdiction and the governing code provisions at the time of permit based on the site specific conditions. See Tables 2 & 3 on Sheet 4 for allowable stress design (ASD) wind loads and forces used in the design outlined within these documents. These ASD loads and forces are based on wind load resistance testing. Wind loads determined in accordance with FBC Section 1609 or Section 1620 shall be multiplied by the ASD load factor of 0.6 for comparison with allowable loads and forces on these documents.
4. These PEDs are generic and do not include information for site specific application of this Walk-in Cooler/Freezer system.
5. Any modifications or additions to these PEDs will void the documents.

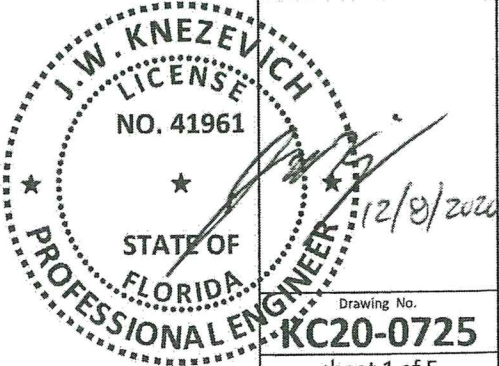
6. These PEDs shall not be applied by the Contractor on a specific site without the involvement of an Architect or Engineer of Record (A/E of Record). The A/E of Record shall be responsible for compliance with the code requirements of a specific installation including but not limited to the following:
- A. Verify the site specific wind load requirements are within the criteria used to develop these PEDs and the unit is configured in compliance with the structural limitations identified in Tables 2 and 3.
- B. Verify the foundation design is adequate to resist the superimposed loads identified in Table 1.
- C. Verify the existing building is adequate to resist the superimposed loads identified in Table 1.
- D. Weather protection, architectural, mechanical, and electrical requirements are outside the scope of these PEDs. Determine and/or provide for compliance with the requirements of the Authority Having Jurisdiction.
7. When the site conditions deviate from these PEDs, the Building Official shall require that a one-time site specific approval be applied for and secured from the Miami-Dade County Product Control Division.
8. All aluminum materials shall comply with the alloys as noted on the drawings.
9. All bolts shall be 304 stainless steel complying with ASTM F593A Condition A with a min tensile strength of 75 ksi u.o.n.
10. All screws shall be electro-galvanized steel or 300 series stainless steel with a min. tensile strength of 75 ksi u.o.n. Stainless steel screws shall be used when exposed to the weather.
11. Drilling Screw shall be McMaster-Car No. 15-13 x 8" pan head steel screw with black epoxy coating and 4" thread length.
12. All concrete anchors shall be as specified on the drawings. Embedment lengths noted on the drawings shall not include finish material. Anchors are approved for use in uncracked concrete only with a min. f'c = 3,000 psi.
13. An allowable stress increase is not used in the design of the cooler/freezer unit nor its attachments.
14. Dissimilar metals in contact with aluminum shall be protected in accordance with the Aluminum Design Manual, 2015, Chapter M.7.

POLYSTYRENE FOAM SANDWICH PANEL SPECIFICATIONS

1. Wall & roof composite sandwich panels are comprised of steel facings with extruded polystyrene foam cores. Thickness and material of facings shall be as shown on the drawings.
2. Composite panels are approved for use in walk-in coolers where the aggregate floor area does not exceed 400 square feet. For specific requirements of foam plastics in walk-in coolers, see FBC Section 2603.4.1.3.
3. Acrylume steel skins used on wall, floor and roof panels shall have a min. thickness of 0.018" and a min. Fy = 50.0 ksi based on base metal thickness and comply with ASTM A792, CS Type B with an AZ55 coating.
4. Stainless steel skins used on interior of floor panels shall be Type 304 stainless steel with a min. thickness of 0.028".
5. Foam core shall be Styrofoam Panel Core 20 Extruded Polystyrene Foam manufactured by Dow with an average density of 1.9 pcf measured in accordance with ASTM D1622.
6. Polystyrene foam core shall have a flame spread rating of not more than 75 and shall have a smoke-developed rating of not more than 450.
7. Metal skins shall be adhered to foam with Mor-Ad M-647 Laminating Adhesive as manufactured by Dow Chemical Company applied at a rate of 12 grams per square foot and pressed for six minutes.
8. Inserts shall be adhered to foam with Mor-Ad M-664 adhesive as manufactured by Dow Chemical Company applied by brush to the contact surfaces.
9. Aluminum beam inserts shall be as designated on the drawings.
10. Plywood inserts shall be APA rated A-C Group 1 Exterior.
11. Wood inserts shall be Southern Pine No. 2 Grade.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 22-0914.05
Expiration Date 11/23/2027
By *Heidi A. Mohr*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-1215.06
Expiration Date 11/23/2022
By *Heidi A. Mohr*
Miami Dade Product Control



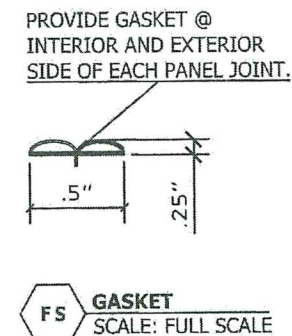
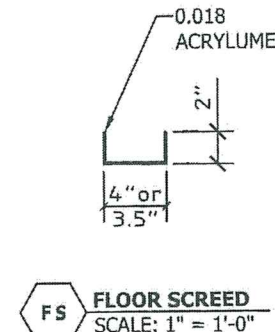
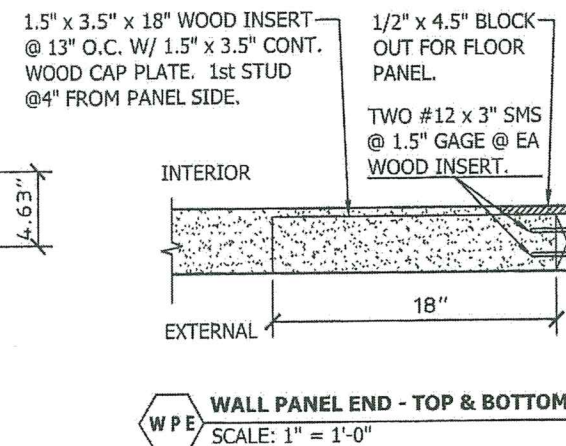
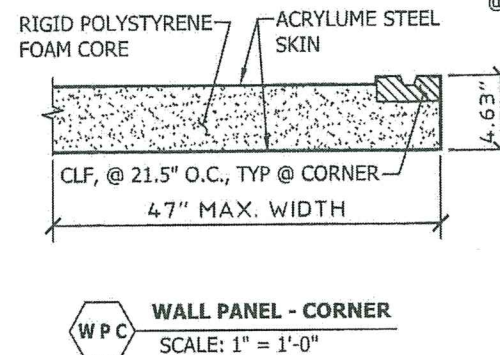
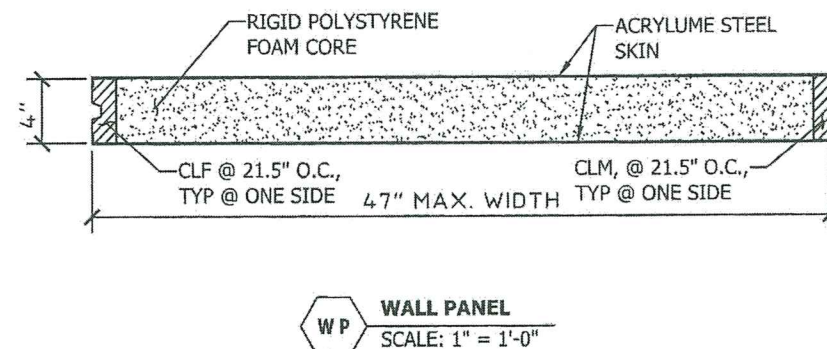
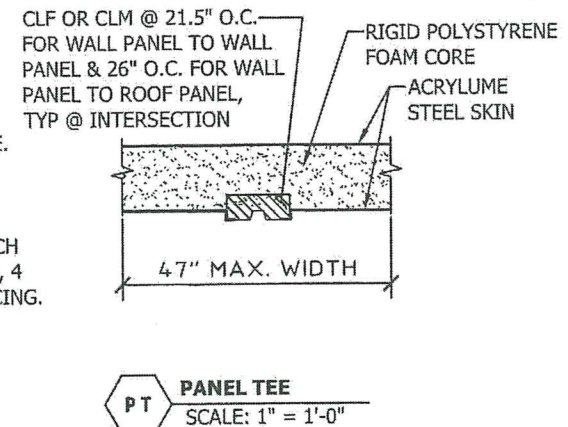
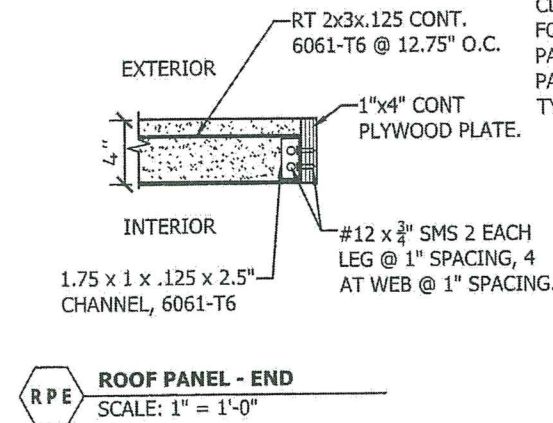
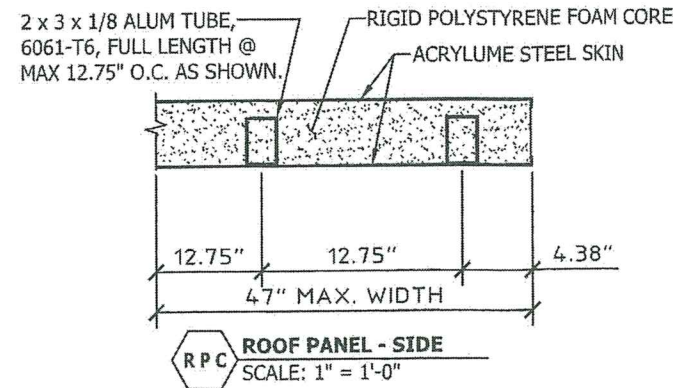
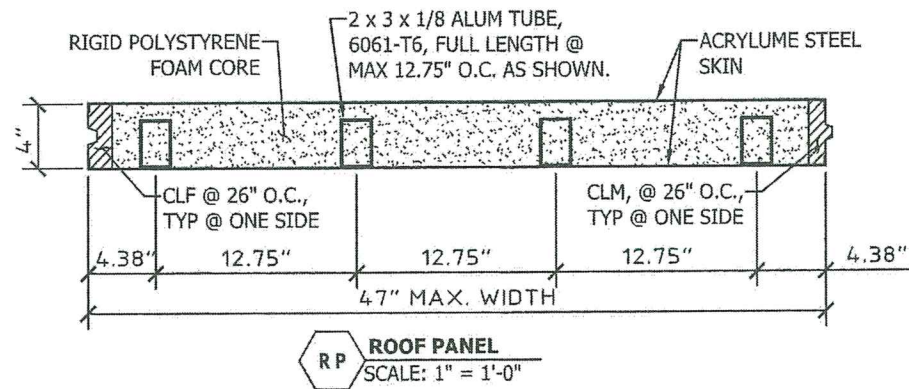
KNEZEVICH CONSULTING
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WALK-IN COOLER/FREEZER
Amerikooler
Client / Manufacturer:
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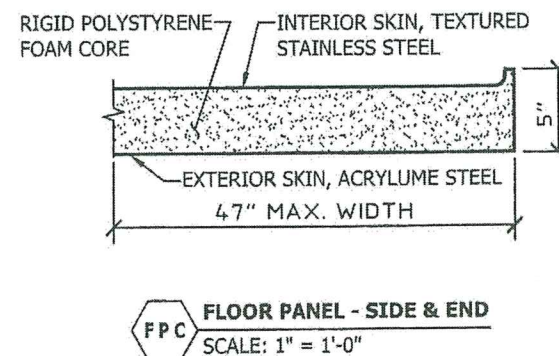
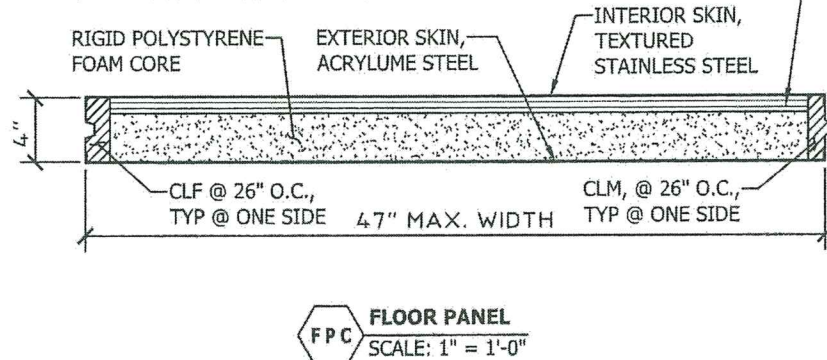
Revisions		Description	
No.	Date	By	Description
0	12/07/2020	JWK	FBC 2020 Update to KCI-0518

Scale: AS NOTED
Drawn by: JWK
Date: 12/07/2020
J.W. Knezevich
Professional Engineer
FL License No. PE 41961

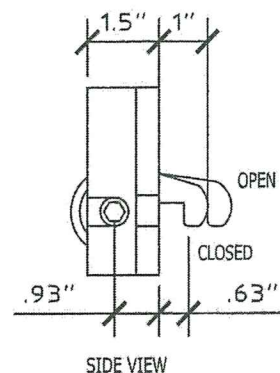
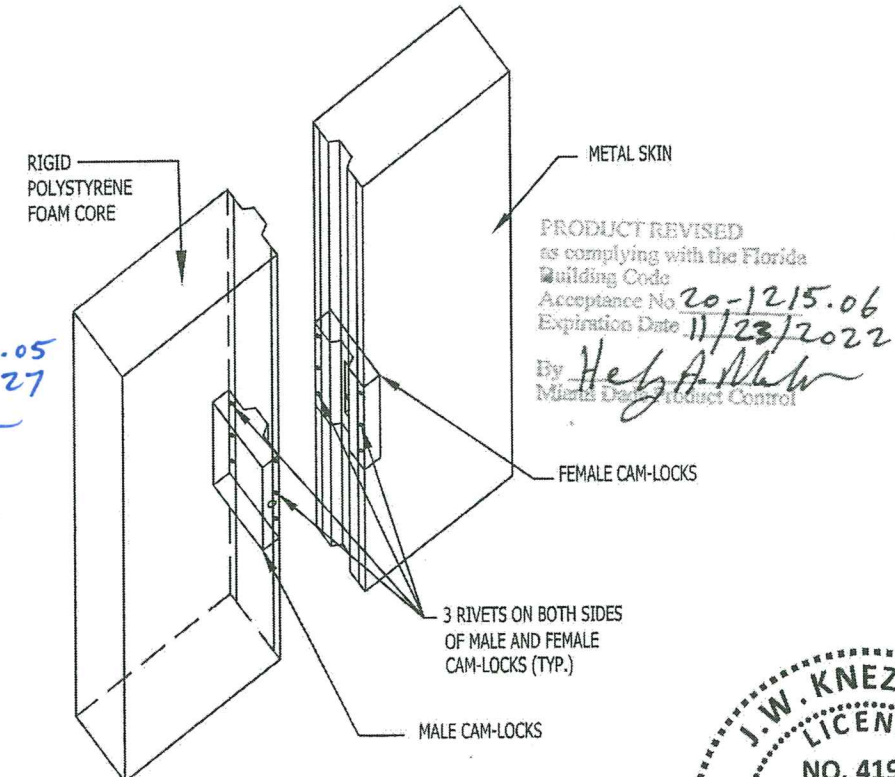
Drawing No. **KC20-0725**
sheet 1 of 5



OPTIONAL: AT FLOOR PANEL, 1/2" or 3/4" PLYWOOD MAY REPLACE THE TOP PORTION OF FOAM MAINTAINING 4" THICKNESS. ADDITIONAL SUPPORTING ELEMENT MAY BE ADDED IN FLOOR PANEL AT MANUFACTURER'S OPTION.

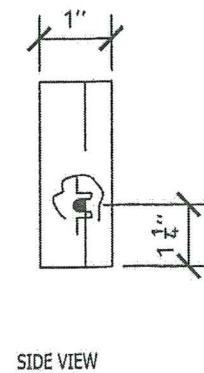
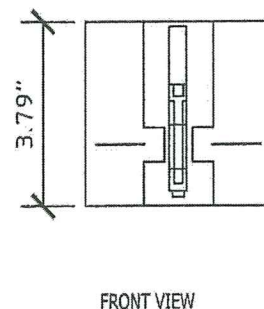


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 22-0914.05
Expiration Date 11/23/2027
By *Hely A. Alvarado*
Miami Dade Product Control

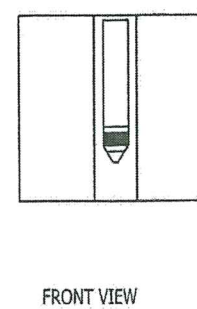


CLM CAMLOCK - MALE
SCALE: 3" = 1'-0"

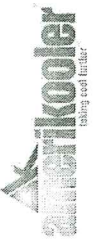
CAMLOCKS SHALL BE AS MANUFACTURED BY AMERIKOOLER, PART NUMBERS FEMLOCK AND MALE-LOCK WITH AN ABS CASING AND AISI 1018 STEEL PIN AND HOOK UTILIZING AN AISI 1095 RC41047 STEEL SPRING AND A ZAMAK #3 CAM.



CLF CAMLOCK - FEMALE
SCALE: 3" = 1'-0"



WALK-IN COOLER/FREEZER



Amerikooler
575 East 10th Avenue, Hialeah, Florida 33010
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Revisions

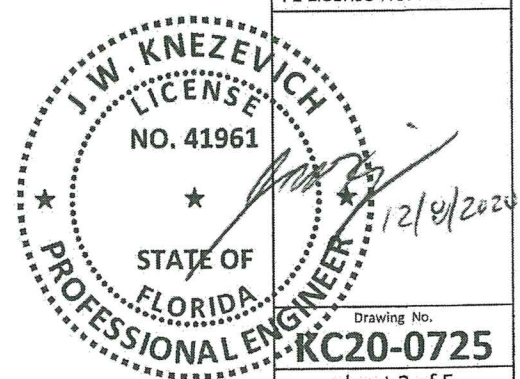
No.	Date	By	Description
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Scale: AS NOTED

Drawn by: JWK

Date: 12/07/2020

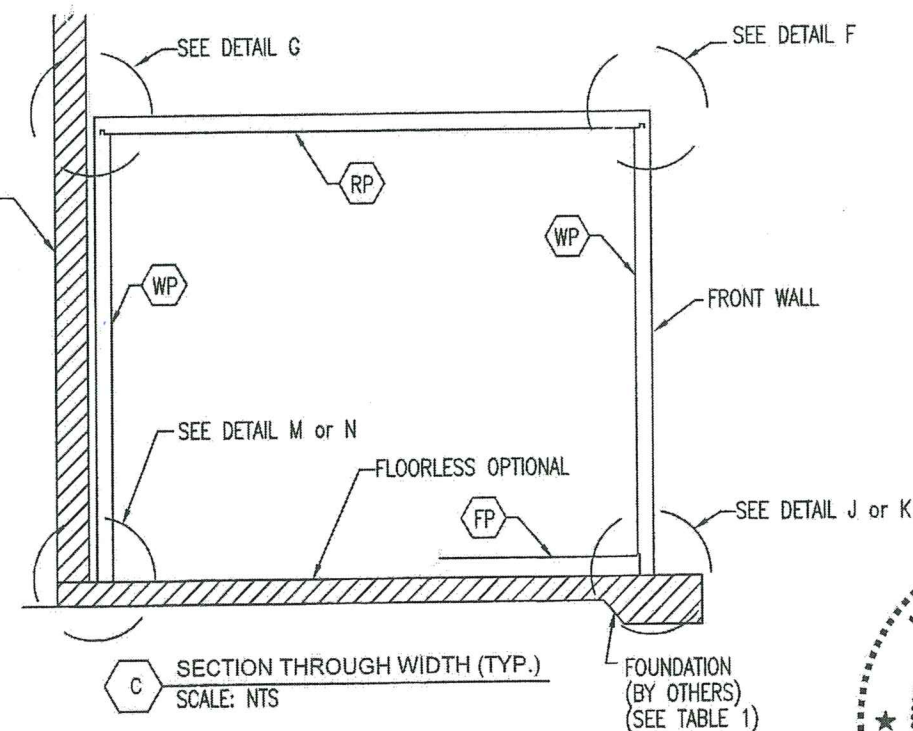
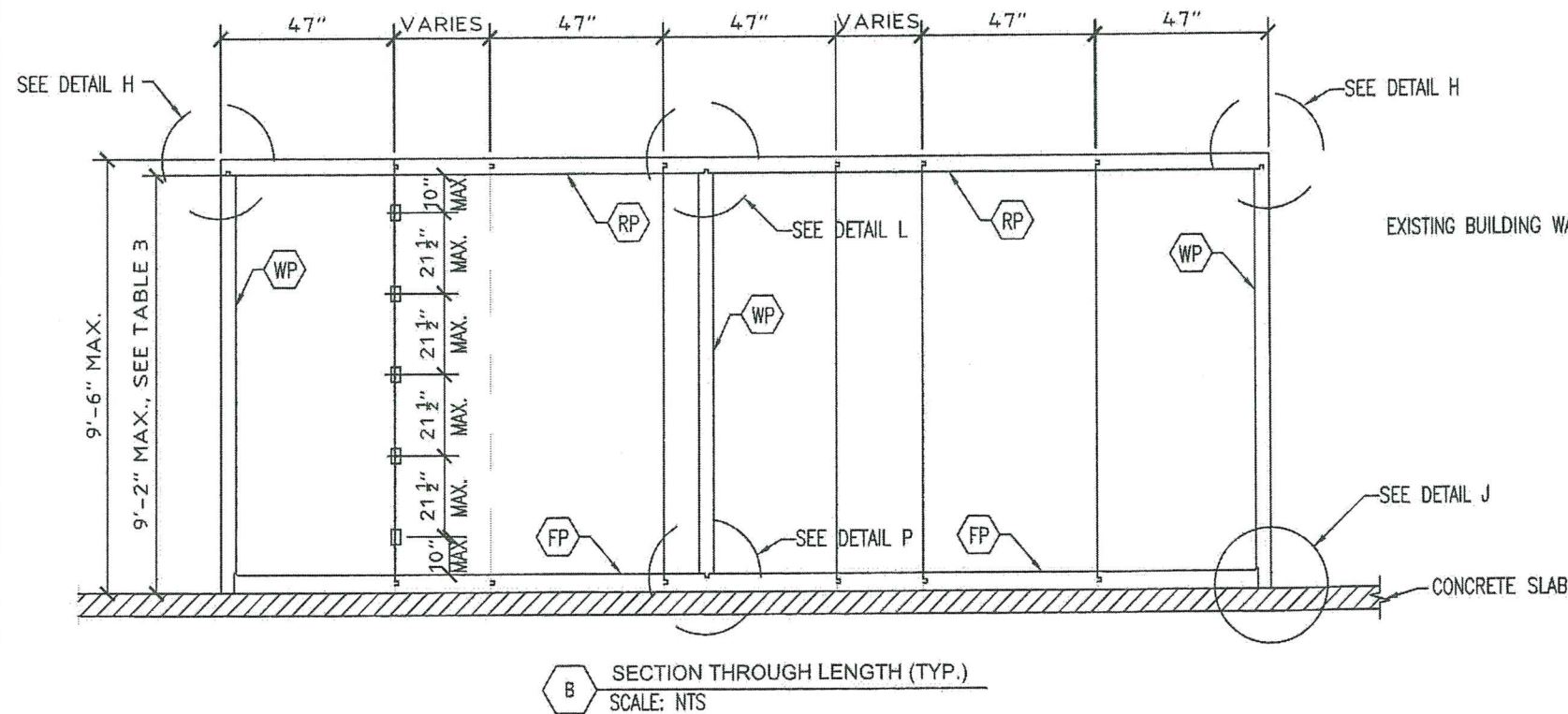
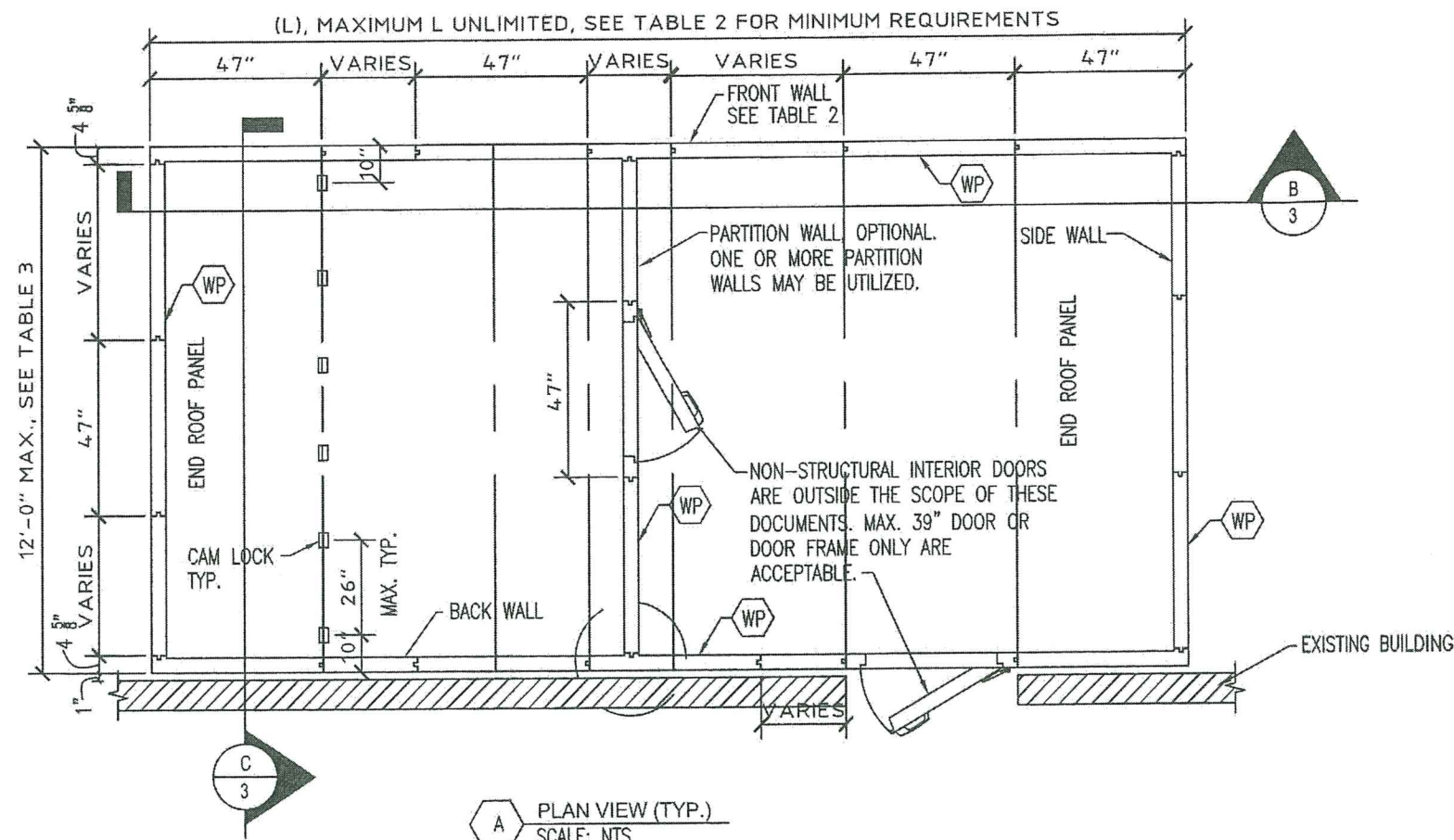
J.W. Knezevich
Professional Engineer
FL License No. PE 41961



Drawing No.

KC20-0725

sheet 2 of 5



PRODUCT RENEWED
as complying with the Florida
Building Code
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By H. G. A. N. N.
Miami Data Product Control

PRODUCT REVISED
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Expiration Date 11/23/2022
By H. G. A. N. N.
Miami Data Product Control

WALK-IN COOLER/FREEZER

Revisions

No.	Date	By	Description
0	12/07/2020	JWK	FBC 2020 Update to KC17-0518
1			
2			
3			
4			
5			
6			
7			
8			
9			

Scale: AS NOTED

Drawn by: JWK

Date: 12/07/2020

J.W. Knezevich
Professional Engineer
FL License No. PE 41961



Drawing No. KC20-0725
sheet 3 of 5

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Amerikooler
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TABLE 1	
LOADS FOR FOUNDATION DESIGN	
LOAD	NET WIND FORCES (ASD)
P _V	± 415 LB/FT
P _H	± 330 LB/FT
M _w	± 3,800 FT-LB/PANEL W/ THE NUMBER OF PANELS REQ.

TABLE 2		
MAX. ALLOWABLE (ASD)		
ROOF PANEL DIAPHRAGM FORCES		
PANEL TYPE	MOMENT (FT-LBS/PANEL)	SHEAR (LBS/PANEL)
RP1	4,665	800
MAX. ALLOWABLE (ASD)		
WALL PANEL SHEARWALL FORCES		
PANEL TYPE	MOMENT (FT-LBS/PANEL)	SHEAR (LBS/PANEL)
WP	3,800	600

TABLE 3		MAX. PANEL LENGTH	MAX. ALLOWABLE (ASD) WIND LOAD	
PANEL TYPE			POS (PSF)	NEG (PSF)
ROOF PANELS	RP 4" ROOF PANEL	12'-0"	+ 34.0	- 73.1
WALL PANELS	WP 4" WALL PANEL	9'-2"	+ 60.0	- 71.1

TABLE 1 NOTES:

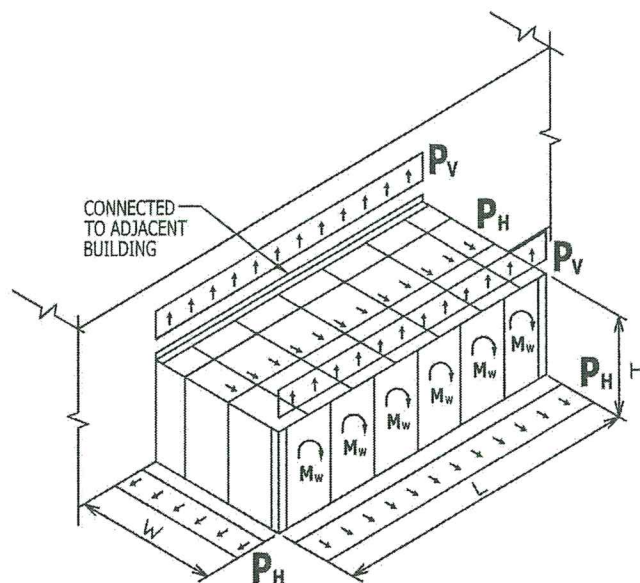
1. NET WIND FORCES REPRESENT THE REACTIONS FROM ALLOWABLE STRESS WIND LOAD COMBINATIONS ASSUMING MAXIMUM ROOF PANEL SPANS AND MAXIMUM WALL PANEL HEIGHTS.
2. P_V REPRESENTS THE VERTICAL WIND REACTION
3. P_H REPRESENTS THE HORIZONTAL WIND REACTION.
4. M_w REPRESENTS THE SHEARWALL BASE MOMENT FOR EACH REQUIRED PANEL.

TABLE 2 NOTES:

1. A SUFFICIENT NUMBER OF 47" ROOF PANELS SHALL BE PROVIDED TO MAINTAIN THE ROOF DIAPHRAGM MOMENT AND SHEAR IN EACH PANEL BELOW THE MAXIMUM ASD VALUES SHOWN HERE.
2. A SUFFICIENT NUMBER OF 47" WALL PANELS SHALL BE PROVIDED ON THE FRONT WALL TO MAINTAIN THE SHEARWALL MOMENT AND SHEAR IN EACH PANEL BELOW THE MAXIMUM ASD VALUES SHOWN HERE.

TABLE 3 NOTES:

1. ALLOWABLE WIND LOADS SHOWN REPRESENT THE MAXIMUM ASD COMPONENT UNIFORM WIND LOADS FOR EACH PANEL SPAN.
2. TO DETERMINE COMPLIANCE, USD SITE SPECIFIC WIND LOADS DETERMINED IN ACCORDANCE WITH GENERAL NOTES 3D AND 6A SHALL BE MULTIPLIED BY THE LOAD FACTOR 0.6 WHEN COMPARING TO THESE VALUES.
3. FOR NON-UNIFORM LOADS, MOMENTS AND SHEARS FROM SITE SPECIFIC WIND LOADS SHALL BE LESS THAN THOSE RESULTING FROM THE LOADS AND SPANS SHOWN HERE.
4. ALLOWABLE WIND LOADS AND ARE BASED ON A FACTOR OF SAFETY OF 1.5 FOR WALL PANELS AND 2.0 FOR ROOF PANELS WITH A MINIMUM RECOVERY OF 80% IN ACCORDANCE WITH TAS 202 AND THE HVHZ PROVISIONS OF THE FBC. ALLOWABLE LOADS ARE ALSO IN COMPLIANCE WITH SECTION 1709.3 OF FBC 2017 & FBC 2020 PROVIDING FOR A FACTOR OF SAFETY OF 2.0 WITH A MINIMUM RECOVERY OF 75% AND A FACTOR OF SAFETY OF 2.5 ON ULTIMATE TEST LOADS FOR BOTH WALL AND ROOF PANELS.

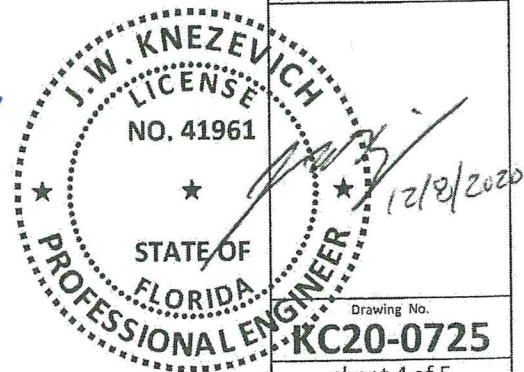


SEE TABLE 2 FOR SHEARWALL
& DIAPHRAGM LIMITATIONS

**ISOMETRIC WITH
SUPERIMPOSED WIND LOADS**
D N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-1215.06
Expiration Date 11/23/2022
By Hely A. M...
Miami Date Product Control

PRODUCT RENEWED
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Acceptance No 22-0914.05
Expiration Date 11/23/2027
By Hely A. M...
Miami Date Product Control



**KNEZEVICH
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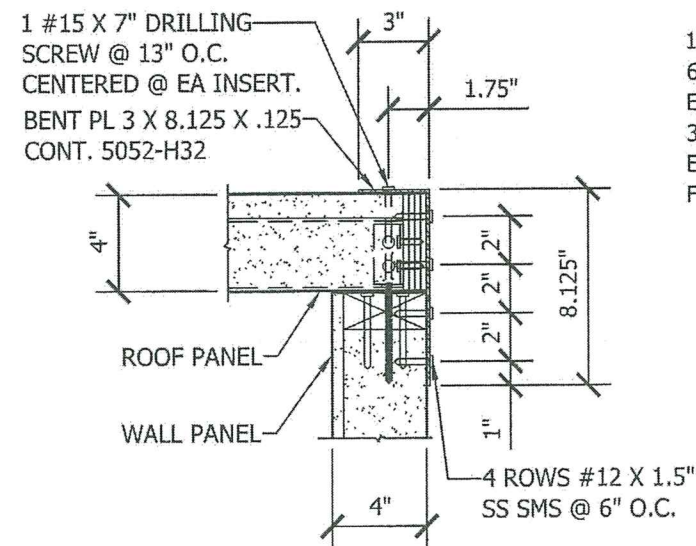
WALK-IN COOLER/FREEZER
Client / Manufacturer:
amerikooler
Amerikooler
575 East 10th Avenue, Hialeah, Florida 33010
T: (305) 884-8394 F: (305) 884-8330

Revisions	
No.	Description
0	JWK FBC 2020 Update to KC17-0518
1	
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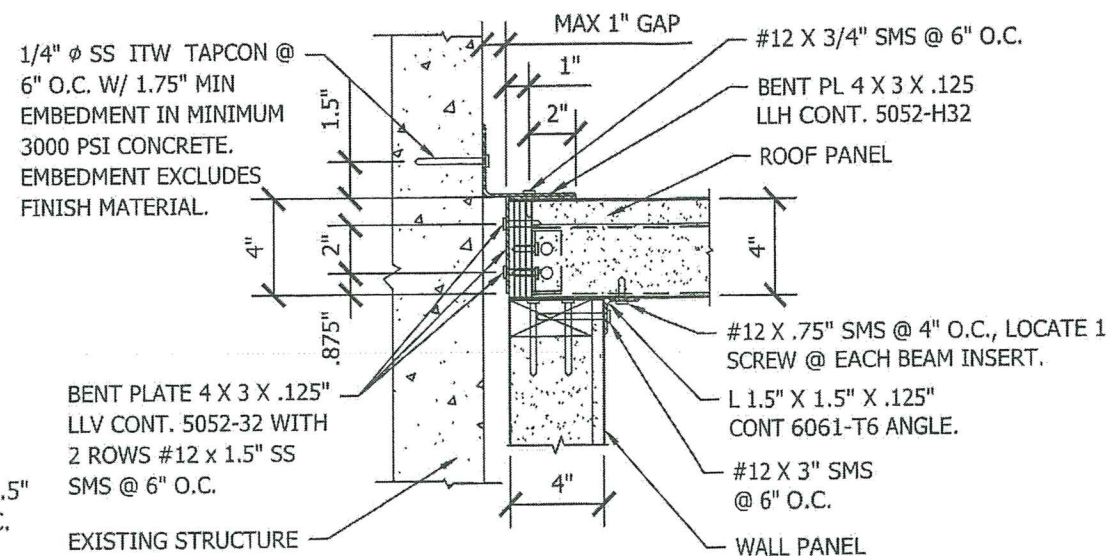
Scale: AS NOTED
Drawn by: JWK
Date: 12/07/2020

J.W. Knezevich
Professional Engineer
FL License No. PE 41961

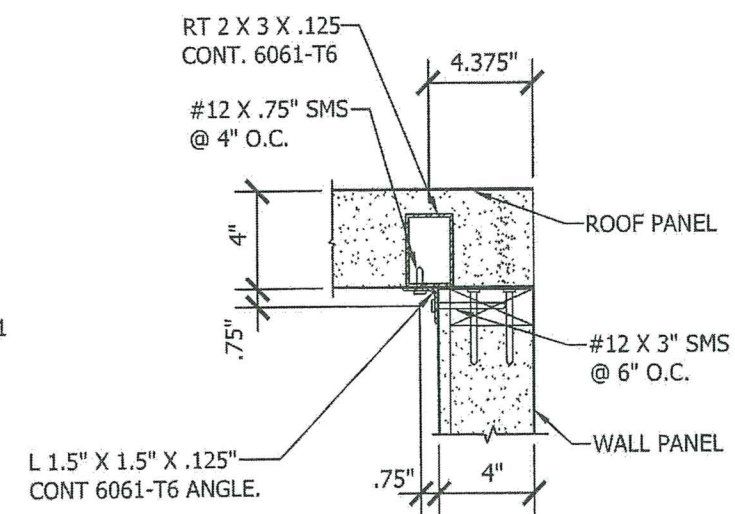
Drawing No. **KC20-0725**
sheet 4 of 5



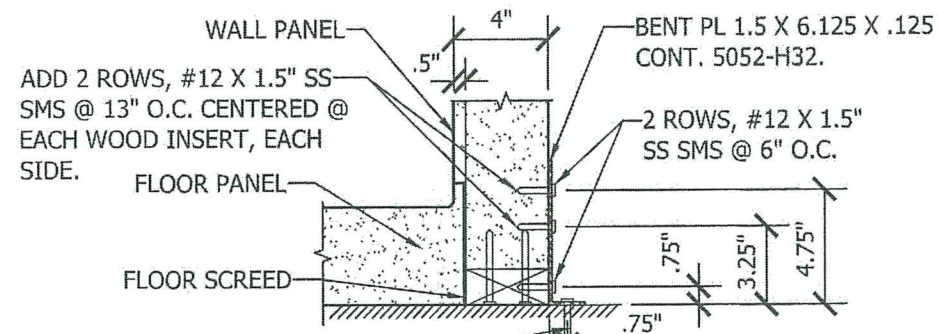
F FRONT WALL TO ROOF
SCALE: 1-1/2" = 1'-0"



**BACK WALL TO
EXISTING BUILDING**
SCALE: 1-1/2" = 1'-0"



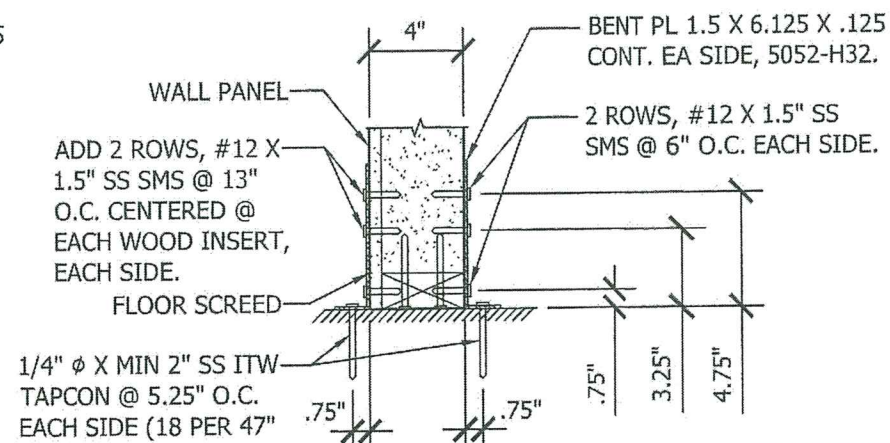
H SIDE WALL TO ROOF
SCALE: 1-1/2" = 1'-0"



AT SHEARWALL PANELS,

PROVIDE 1/2" ϕ HILTI TZ ANCHORS @ 5.25" O.C. (9 PER 47" PANEL) W/ 3-5/8"
MIN EMBED IN MIN 3,000 PSI CONC W/ MIN 6" EDGE DISTANCE AND MIN 12"
CONC DEPTH.

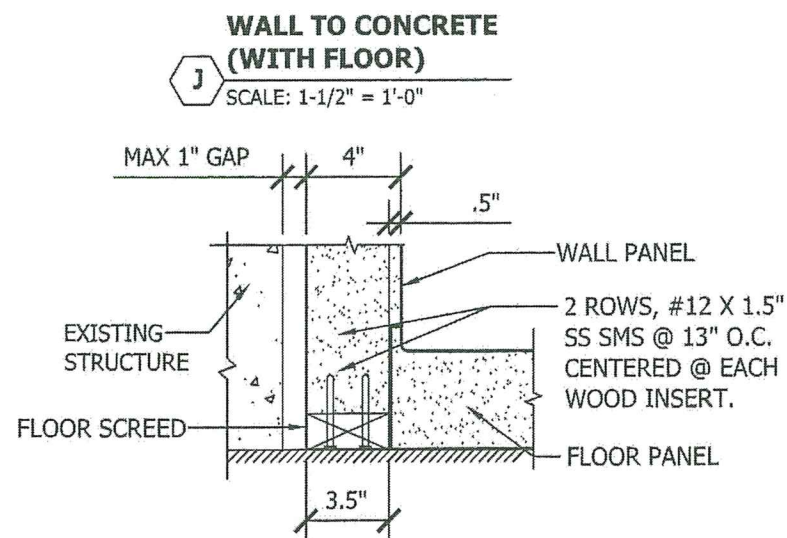
AT BALANCE OF FRONT AND SIDE WALL PANELS, PROVIDE 1/4" ϕ X 2" SS ITW TAPCONS @ 5.25" O.C. (9 PER PANEL) W/ 1.75" MIN EMBED IN MIN 3,000 PSI CONC W/ MIN 3" EDGE DISTANCE AND MIN 6" CONCRETE DEPTH.



**WALL TO CONCRETE
(FLOORLESS)**

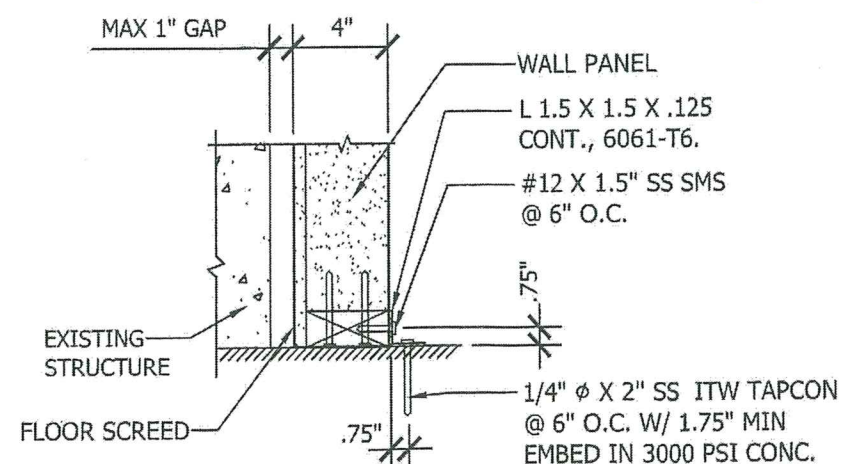
K SCALE: 1-1/2" = 1'-0"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 22-09/4.05
Expiration Date 11/23/2027
By Helga A. Mohr
Miami-Dade Product Control



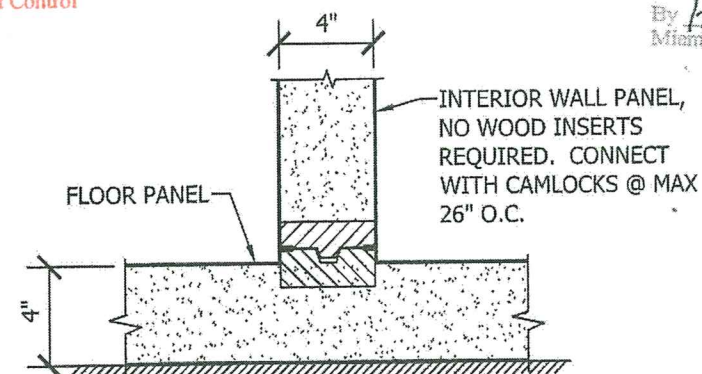
**BACK WALL TO CONCRETE
(WITH FLOOR)**

M SCALE: 1-1/2" = 1'-0"



**BACK WALL TO CONCRETE
(FLOORLESS)**

N
SCALE: 1-1/2" = 1'-0"



**INTERIOR WALL TO GROUND
(WITH FLOOR)
WALL TO WALL TEE SIMILAR**

P SCALE: 1-1/2" = 1'-0"

[illegible]

Scale: AS NOTED

Drawn by: JWK

Date: 12/07/2020

J.W. Knezevich
Professional Engineer
FL License No. PE 41961

