

**Manufactured (Modular) Buildings****USER:** Randy Helbert, Everidge DBA / International Cold Storage (EMP), Modular Unit Manufacturer
[Manufactured \(Modular\) Buildings Menu](#) > [Plan Search](#) > [Manage Plans and Insignias](#) > **Plan Detail**

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SECRETARY

Plan Tracking #	34817		
Code Version	2017		
Building Type	Manufactured Buildings		
Municipal Jail	No		
Manufacturer	Everidge DBA / International Cold Storage (EMP)		
Agency	TI RADCO, LLP (A Twining Company) Tampa		
Agency Plan #	10 Wide		
School District			
Contract Agency			
Construction Type	V-B		
Fire Protection	B		
Fire Suppression System	No		
Occupancy	Storage		
Allowable # of Stories	1		
Wind Velocity	175 mph	Exposure	C
Fire Rating of Exterior Walls	0 hrs		
	Area	Live - psf	Dead - psf
Maximum Floor Load	all	690	10
Alternate Maximum Floor Load			
Roof Load		30	10
"R" Rating of Floor, Wall, and Roof	30, 30, 30		
Modules per Building	1		
Square Footage	400 Sq. Ft.		
Approved for Hurricane Protection Usage	No		
Designed for use as a Hurricane Public Shelter	No		
Comments			
Original Plan Tracking #			
Date of Agency Approval	02/13/2019		
Date Submitted	02/19/2019		
Date Accepted	02/20/2019		
Status	Accepted		

Date	Attached File
02/19/2019	PlanID_34817_Approved Plan ID 33421 - 10 Wide 2017-3d7d7c2e.pdf

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[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Manufactured (Modular) Buildings Accepts:




TI RADCO, LLP

February 13, 2019

Everidge LLC/DBA International Cold Storage
5678 Heards Mountain Road
Covesville, VA 22931

3220 E.59TH STREET
LONG BEACH, CA 90805
Tel (562) 272-7231
Fax (562) 529-7513
www.RADCOinc.com
Email: info@RADCOinc.com

Re: Plan No.: 10' Wide
Occupancy Classification: Storage (S-2)
RADCO Approval Date: 2-13-2019

To Whom It May Concern:

This is to confirm that RADCO approved the above referenced plan under the Florida Manufactured Buildings Program administered by the Florida Department of Business & Professional Regulation (FAC Rule Chapter 61-41). RADCO's review confirmed that the design complies with the 2017 Florida Residential Building Code (6th Edition), with the following limitations:

- I. The Manufactured Buildings Program approval pertains to the factory built modular structure only (and does not include the foundation system).
- II. The foundation and anchoring system, utility connections, and items constructed and installed on-site are subject to review, approval and inspection by the local authority having jurisdiction.
- III. Chapter 633 Fire Safety plan review and inspection are reserved for the local fire safety authority having jurisdiction.
- IV. This plan is valid for use only in those jurisdictions where the structural design loads are less than or equal to the design loads indicated on the approved plans.
- V. This plan is approved for the High Velocity Hurricane Zone (Miami-Dade and Broward Counties).

RADCO's review included a review of products for compliance with 553.842(5) or FAC Chapter 61-G20-3. A set of signed and sealed plans will be retained on file at RADCO, in accordance with the Manufactured Buildings Program requirements.

Sincerely,

Randy L. Saunders

Randy L. Saunders
SMP-19

(file: attach to plan)

INDEX OF DRAWINGS				
DRAWING NUMBERS	DESCRIPTION	DRAWING REVISED	FIELD WORK	CONSTRUCTION TYPE
FL10-95100	COVER SHEET	#		5B
CDWFL10-2017	WIND LOAD ANALYSIS	#		5B
CDVEQL10-2017	SEISMIC LOAD ANALYSIS	#		5B
FL10-95101	FLOOR PLAN AND ELEVATION			5B
FL10-95101-1	FLOOR PLAN AND ELEVATION			5B
FL-95102	SECTION VIEWS			5B
FL-95103	WALL SECTION VIEWS			5B
FL-95104	4" AND 5 1/2" FLOOR SECTIONS			5B
FL-95105	7 1/4" AND 8 3/4" FLOOR SECTIONS			5B
FL-95106	DOOR DETAILS - INTERIOR			5B
FL-95106-1	DOOR DETAILS - EXTERIOR			5B
FL-95107	DOOR DETAILS - SERVICE			5B
FL-95108	DOOR FRAME DETAILS - INSULATED			5B
FL10-95109	FOUNDATION PLANS		*	5B
FL10-95110	TIEDOWN DETAILS		*	5B
FL10-95110-1	TIEDOWN DETAILS		*	5B
FL10-95111	ONE WAY ROOF			5B
FL10-95112	GABLE ROOF			5B
FL10-95113	4" FLAT ROOF			5B
FL10-95114	ONE WAY REINFORCED ROOF			5B
FL10-95115	GABLE REINFORCED ROOF			5B
FL10-95116	4" FLAT REINFORCED ROOF			5B
FL-95120	TYP. LOAD DIAGRAM FOR ROOF			
FL-95121	TYP. LOAD DIAGRAM FOR REINF. ROOF			
CC95140	4" PANEL R-VALUE			
CC95200	ELECTRICAL PLANS			5B
CC95201	CFL/LED LIGHTING ELECTRICAL PLAN		*	5B
CC95201-1	FLUORESCENT LIGHTING ELECTRICAL PLAN		*	5B
CC95201-2	LED LIGHTING ELECTRICAL PLAN		*	5B
CC95202	REFRIGERATION ELECTRICAL DETAILS		*	5B
CC95210	LIGHTING ELECTRICAL SERVICE			5B
CC95300	REFRIGERATION MECHANICAL DETAILS		*	5B
CC95301	R-404A LOW TEMP CONDENSING UNITS			
CC95302	R-404A MED TEMP CONDENSING UNITS			

THESE PRINTS COMPLY WITH THE FLORIDA MANUFACTURED BUILDING ACT OF 1979 CONSTRUCTION CODE AND ADHERE TO THE FOLLOWING CRITERIA.

CONST. TYPE	V-B
OCCUPANCY	S-2
FLOOR LL	690
WIND VELOCITY	175
FIRE RATING OF EXT. WALLS	0
ALLOWABLE NO. OF FLOORS	1
MANUFACTURER	EVERIDGE/ICS-EMP
PLAN NUMBER	10' Wide
APPROVAL DATE	2/13/19
HVHZ ZONE	YES

RADCO


NOTES:

- THESE UNITS ARE DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE (FBC) THE 2014 NATIONAL ELECTRICAL, THE 2017 FLORIDA FIRE PREVENTION, THE 2017 FLORIDA MECHANICAL CODE THE 2017 PLUMBING AND AND 61G20-3.006 FLORIDA PRODUCT APPROVAL.
- UNIT SHALL HAVE A FIRE SEPARATION DISTANCE OF MORE THAN 15 FEET TO PROPERTY LINES OR INTERIOR LOT LINES.
- THIS UNIT IS NOT DESIGNED TO BE LOCATED IN FLOOD PRONE AREAS.
- WIND LOAD DESIGN CONFORMS TO THE 2017 FLORIDA BUILDING CODE (FBC).
- SEISMIC ANALYSIS CONFORMS TO THE 2017 FLORIDA BUILDING CODE (FBC).
- ICS WALK-IN STORAGE UNIT MAY BE ATTACHED TO CUSTOMERS BUILDING WITH A COMMON WALK THROUGH OPENING BETWEEN THE CUSTOMERS BUILDING AND THE ICS WALK-IN UNIT.
- ICS WALK-IN STORAGE UNIT WITH AN AGGREGATE FLOOR AREA NOT EXCEEDING 400 SQUARE FEET SHALL NOT REQUIRE AN AUTOMATIC FIRE SUPPRESSION SYSTEM.
- ICS WALK-IN STORAGE UNIT WITH AN AGGREGATE FLOOR AREA EXCEEDING 400 SQUARE FEET SHALL REQUIRE AN AUTOMATIC FIRE SUPPRESSION SYSTEM SUPPLIED BY CUSTOMER.
- * INDICATES THOSE DRAWINGS WHICH CONTAIN WORK DONE IN THE FIELD.
- ICS WALK-IN UNIT CONSTRUCTION CATEGORY (USE GROUP S-2, CONSTRUCTION TYPE 5B) THIS TYPE 5B DESIGN CANNOT ADJOIN A BUILDING WITH A HIGHER CATEGORY CONSTRUCTION TYPE.

MODEL NUMBER

THE MODEL NUMBER IS AN ALPHA DESIGNATION. THE ALPHA PORTION DESCRIBES THE THE CONSTRUCTION AND REFRIGERATION OF THE UNIT

- IB - SINGLE COMPARTMENT (NO REFRIGERATION)
IC - SINGLE COMPARTMENT COOLER
IF - SINGLE COMPARTMENT FREEZER
IDT - TWO COMPARTMENT BUILDING
ITT - THREE COMPARTMENT BUILDING
IQT - FOUR COMPARTMENT BUILDING
IVT - FIVE COMPARTMENT BUILDING

Reviewed by:
Randy L. Saunders

FLORIDA MODULAR PLANS EXAMINER
No. SMP-19

THE NUMERICAL PORTION OF THE MODEL NUMBER DESCRIBES THE APPROXIMATE OUTSIDE DIMENSIONS OF THE BUILDING. THE WIDTH, THE SHORTEST DIMENSION, IS SPECIFIED FIRST, FOLLOWED BY THE LENGTH. IF BUILDING DIMENSIONS ARE NOT IN WHOLE FOOT INCREMENTS THE NEXT HIGHER WHOLE FOOT IS USED FOR MODEL NUMBERS.

EXAMPLE: 1040
10 WIDTH IN WHOLE FOOT INCREMENTS
40 LENGTH IN WHOLE FOOT INCREMENTS

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FEB13 2019
APPROVED

STRUCTURAL CALCULATIONS BY PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

SAMPLE STRUCTURAL CALCULATIONS ARE BASED ON A THREE COMPARTMENT UNIT 10'-0" WIDE X 40'-0" LONG X 8'-6" HIGH WITH ONE 16'-0" LONG COMPARTMENT AND TWO 12'-0" LONG COMPARTMENTS. WITH ONE CONDENSING UNIT. REFER TO APPENDIX D FOR SAMPLE CALCULATIONS.

BASED ON 2017 FLORIDA BUILDING CODE
UNIT IS CLASSIFIED A RISK CATEGORY II

ASSUME TERRAIN EXPOSURE C WIND LOAD CALCULATIONS APPENDIX D
USE ULTIMATE WIND = 175 MPH SEISMIC LOAD CALCULATIONS APPENDIX D

SEISMIC ANALYSIS:
USE $S_s = 0.063$ & $S_1 = 0.04$ SEISMIC DESIGN CATEGORY = A

NOTE: FOR ALLOWABLE UNIT WIDTH LOADS REFER TO DRAWING PAGES INDICATED BELOW

5-1/2" FLOOR WITH SKIDS	690 PSF
4" FLOOR NO SKIDS	5000 PSF
4" FLOOR w/ 3/4" PLYWOOD AND NO SKIDS	10000 PSF
8-3/4" FLOOR WITH SKIDS	SEE DRAWINGS FL-95105
7-1/4" FLOOR NO SKIDS	SEE DRAWINGS FL-95105
WALL	SEE DRAWINGS FL-95103
ROOF	SEE DRAWINGS FL10-95111-FL10-95116

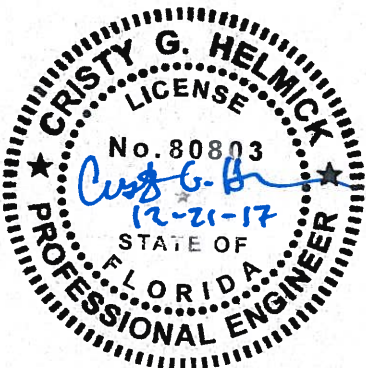


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316-262-2691 www.pec1.com

FLORIDA BUSINESS LICENSE NO.: 856280
CERTIFICATE OF AUTHORIZATION NO.: CA2633

INTERNATIONAL COLD STORAGE
215 E. 13TH STREET
ANDOVER, KANSAS 67002

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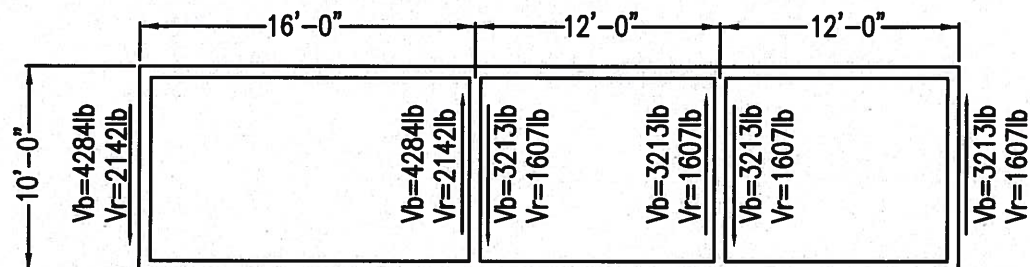


STATE OF FLORIDA ENGINEER: CRISTY G. HELMICK, P.E.
STATE OF FLORIDA LICENSE NO.: 80803

REVISIONS				DESCRIPTION
NO.	DATE	BY		
				COVER SHEET
				07 DEC 2017 RH DWG FL10-95100

WIND ANALYSIS

SAMPLE CALCULATIONS ARE BASED ON A THREE COMPARTMENT UNIT 40'-0" LONG x 10'-0" WIDE x 8'-6" HIGH WITH A MONOSLOPE (1/4:12) ROOF



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ROOF DIAPHRAGM

LOAD TO ROOF= $63\text{psf} (8'-6" \text{ high} \div 2) = 268 \text{ lb/ft}$
TREAT ROOF AS A BEAM 40'-0" LONG AND 10'-0" deep
 $M = wL^2 \div 8 = 268 \text{ lb/ft} (40'-0")^2 \div 8 = 53,600 \text{ ft}\cdot\text{lb}$
CHORD TENSION/COMPRESSION= $53,600 \text{ ft}\cdot\text{lb} \div 10'-0" \text{ deep} = 5,360 \text{ lb}$
CHORD TENSION=5360 lb
CHORD COMPRESSION= $5360 \text{ lb} \div 80\text{in}^2 = 67\text{psi}$
ALLOWABLE TENSION=5387 lb > 5360 lb
ALLOWABLE COMPRESSION=67psi = 67psi
SHEAR AT INTERIOR WALL= $268 \text{ lb/ft} (16'-0" \div 2 + 12'-0" \div 2) = 3752 \text{ lb}$
 $v = 3752\text{lb} \div 10'-0" \text{ deep} = 375 \text{ lb/ft} < 479 \text{ lb/ft}$

SHEAR WALL OVERTURNING

TENSION IN ANCHOR DUE TO OVERTURNING
 $OT = 3752\text{lb} (8'-6" \text{ high}) = 31,892\text{ft}\cdot\text{lb}$
RESISTING $OT = \frac{2}{3} (636\text{ft}\cdot\text{lb} + 2320\text{ft}\cdot\text{lb}) = 1971\text{ft}\cdot\text{lb}$
UPLIFT= $(31892\text{ft}\cdot\text{lb} - 1971\text{ft}\cdot\text{lb}) \div 10'-0" \text{ wide} = 2992 \text{ lb}$ UPLIFT AT END OF EACH SHEAR WALL
ALLOWABLE UPLIFT= 3892 lb > 2992 lb
USE L12 ANCHORS WITH $\frac{3}{4}" \phi$ HILTI HVA ADHESIVE ANCHOR AT END OF EACH SHEAR WALL

ROOF TO WALL CONNECTION

$P = [(53.5 - 3.314)\text{psf}(40'-0")(10'-0" \text{ wide})] \div [(2 \times 40'-0") + (2 \times 10'-0" \text{ wide})] = 201 \text{ lb/ft}$
#10-16 SCREWS AT 6" O.C. ARE GOOD FOR 157 lb/ft. < 201 lb/ft
USE SCREW SPACING AT 4" O.C. WHICH IS GOOD FOR 236 lb/ft > 201 lb/ft

Main Wind Force Resisting System PER ASCE 7-10 CHAPTERS 26 & 27

$q = 0.00256KzKdKztV^2I(\text{psf})$
 $p = qGCp - qGCpi(\text{psf})$
 $Kz = 0.85$
 $Kzt = 1.0$
 $Kd = 0.85$
 $V = 175\text{mph}$
BUILDING RISK CATEGORY = II I = 1.0
 $GCpi = \pm 0.18$
 $G = 0.85$
 $Cp = 0.8$ WINDWARD
 $Cp = -0.5$ LEEWARD (L/B 0-1)
 $Cp = -0.7$ SIDE WALLS
 $Cp = -0.9$ ROOF (h/L < 0.5)
 $q = .00256(.85)(.85)(1.0)(175^2)(1.0) = 56.6 \text{ psf}$

EQUATION 27.3-1
EQUATION 27.4-1
TABLE 27.3-1: EXPOSURE C (1620.3 FBC 2014)
SECT. 26.8.2
TABLE 26.6-1
SECTION 1620 HVHZ - FBC 2014
TABLE 1.5-2
TABLE 26.11-1
SECTION 26.9.1
FIGURE 27.4-1
FIGURE 27.4-1
FIGURE 27.4-1
FIGURE 27.4-1

WINDWARD WALL

$p = 56.6\text{psf}(0.85)(0.8) - 56.6\text{psf}(+.18) = 28.30\text{psf}$
 $p = 56.6\text{psf}(0.85)(0.8) - 56.6\text{psf}(-.18) = 48.68\text{psf}$

ALLOWABLE PANEL LOAD (SEE SHEET FL-95103)
69.3psf > 48.68psf

LEEWARD WALL

$p = 56.6\text{psf}(0.85)(-0.5) - 56.6\text{psf}(+.18) = -34.24\text{psf}$
 $p = 56.6\text{psf}(0.85)(-0.5) - 56.6\text{psf}(-.18) = -13.87\text{psf}$

ALLOWABLE PANEL LOAD (SEE SHEET FL-95103)
69.3psf > 34.24psf

SIDE WALLS

$p = 56.6\text{psf}(0.85)(-0.7) - 56.6\text{psf}(+.18) = -43.87\text{psf}$
 $p = 56.6\text{psf}(0.85)(-0.7) - 56.6\text{psf}(-.18) = -23.49\text{psf}$

ALLOWABLE PANEL LOAD (SEE SHEET FL-95103)
69.3psf > 43.87psf

ROOF

$p = 56.6\text{psf}(0.85)(-0.9) - 56.6\text{psf}(+.18) = -53.49\text{psf}$
 $p = 56.6\text{psf}(0.85)(-0.9) - 56.6\text{psf}(-.18) = -33.11\text{psf}$

ALLOWABLE PANEL LOAD (SEE SHEET FL10-9514)
39.9psf < 53.49psf TIMBER REINF. REQUIRED
@ 24" O.C.

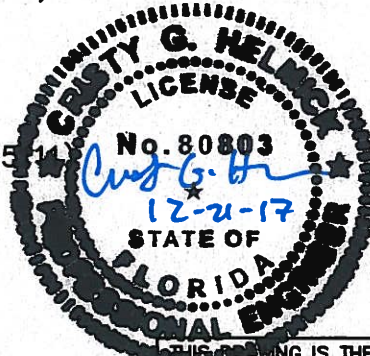
WIND BASED SHEAR $P = 28.30\text{psf} + 34.24\text{psf} = 62.54\text{psf}$ USE 63psf

$V = 63\text{psf} (40'-0")(8'-6" \text{ high}) = 21,420 \text{ lb}$

OR $63\text{psf} (10'-0")(8'-6" \text{ high}) = 5,355 \text{ lb}$

CONNECTION AT FOUNDATION

L12's : ALLOWABLE SHEAR = 3192 lb (ONE AT EACH END OF SHEAR WALL)
BASE SHEAR AT SHEAR WALL = $63\text{psf} (8'-6")(16'-0" \div 2 + 12'-0" \div 2) = 7497 \text{ lb}$
CONNECTION FAILS, ADDITIONAL CONTINUOUS ANCHORAGE IS REQUIRED AT BASE OF SHEAR WALLS.



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
			CONSTRUCTION DOCUMENTS VALUE WIND LOAD ANALYSIS
			MARCH 2012 CMT DWG# CDVWFL10-2017

SEISMIC ANALYSIS

SAMPLE CALCULATIONS ARE BASED ON A UNIT 40'-0" LONG x 10'-0" WIDE x 8'-6" HIGH WITH MONOSLOPE (1/4:12) ROOF

UNIT DEAD LOAD

ROOF DEAD LOAD=3.314psf (40'-0")(10'-0"wide)= 1326lb
EXTERIOR WALL DEAD LOAD=1.669psf(8'-6"high)(2(40')+2(10'))= 1419lb
INTERIOR WALL DEAD LOAD=(2)1.669psf(9'-4"wide)(8'-2"high)= 254lb
MECHANICAL / ELECTRICAL=2psf(40'-0")(10'-0"wide) = 800lb
TOTAL DEAD LOAD= 3799lb

FOR SOIL PROPERTY NOT KNOWN USE SITE CLASS D

Ss = 0.063 FIGURE 22-1 (ASCE 7-10)

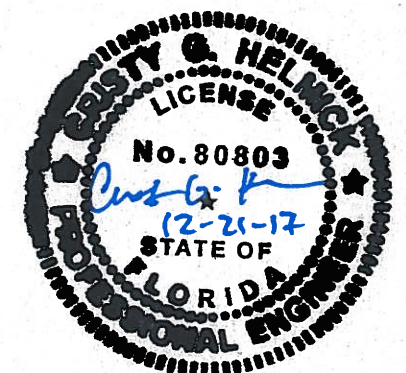
S1 = 0.04 FIGURE 22-2 (ASCE 7-10)

PER ASCE SECTION 11.4.1 - SEISMIC DESIGN CATEGORY A

SEISMIC ANALYSIS NOT REQUIRED.

WIND DETERMINES LATERAL ANALYSIS

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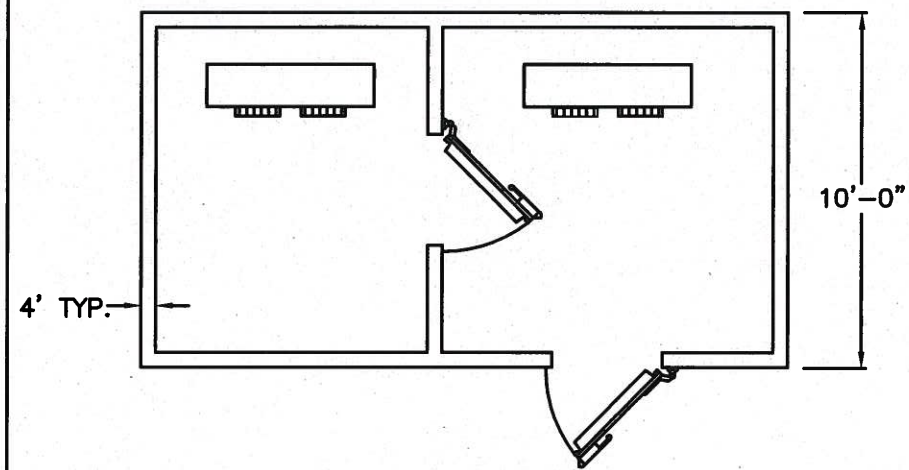
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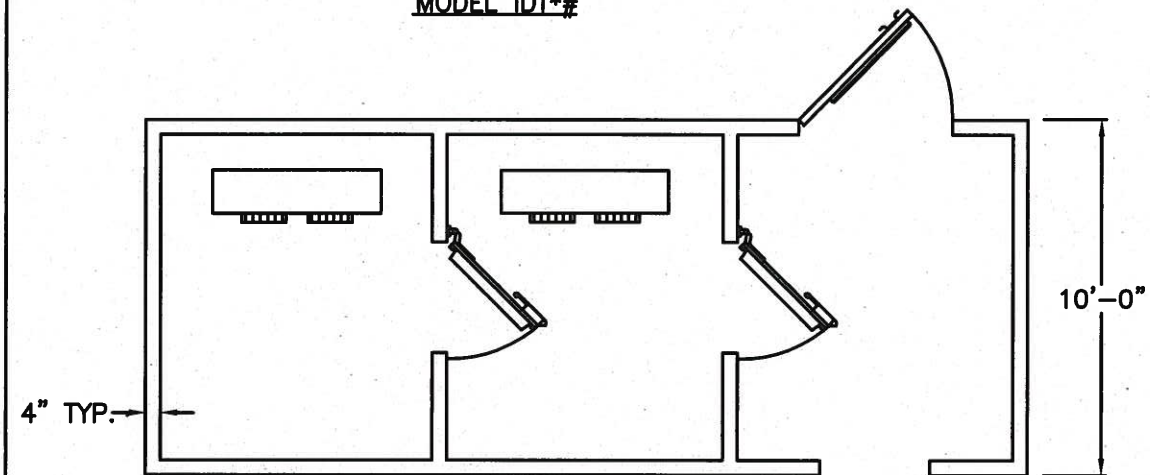
REVISIONS			
NO.	DATE	BY	DESCRIPTION
			CONSTRUCTION DOCUMENTS VALUE SEISMIC LOAD ANALYSIS
MARCH 2012	CMT	DWG#	CDVEQFL10-2017



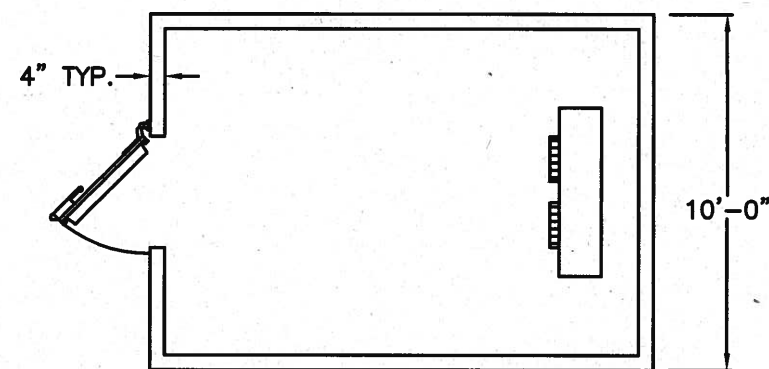
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2 COMPARTMENT BUILDING
MODEL IDT*#



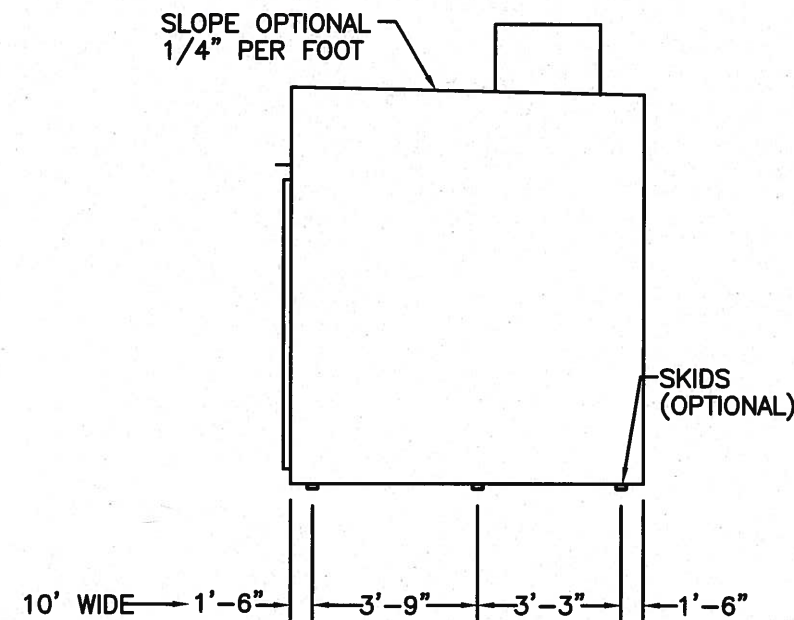
3 COMPARTMENT BUILDING
MODEL ITT*#



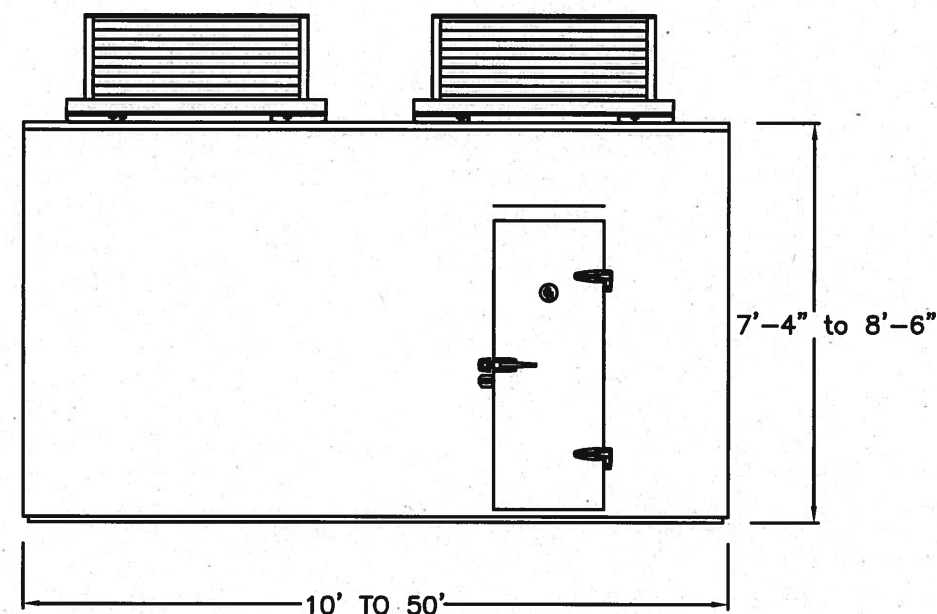
1 COMPARTMENT BUILDING
MODEL IF,IC,IB*#

NOTE:

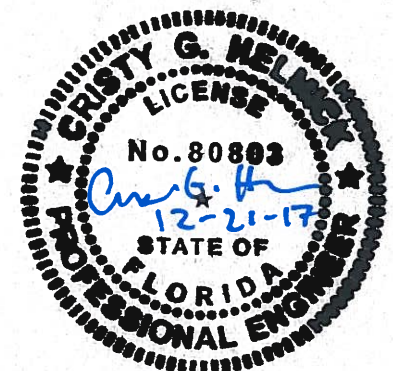
1. DOOR, INTERIOR WALL, AND EVAPORATOR COIL LOCATIONS SHOWN ARE TYPICAL. ACTUAL LOCATIONS MAY VARY.
2. 1 OR MORE ROOMS MAY NOT CONTAIN REFRIGERATION EQUIPMENT.
3. BUILDING MAY CONTAIN SERVICE ENTRY DOOR.
4. BUILDING MAY CONTAIN COMMON WALK THROUGH OPENING BETWEEN WALK-IN AND CUSTOMERS BUILDING.



END ELEVATION
10' WIDE BUILDING



SIDE ELEVATION



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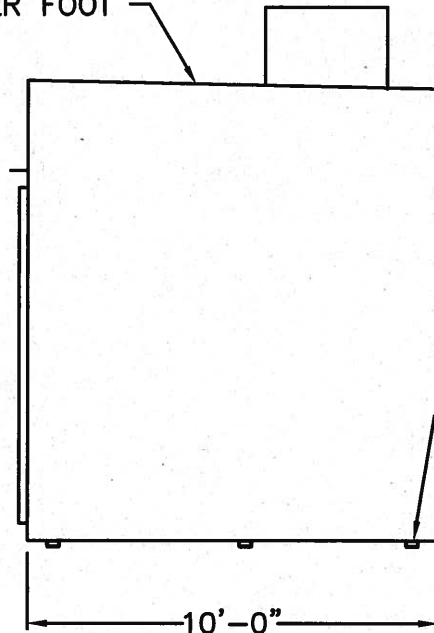
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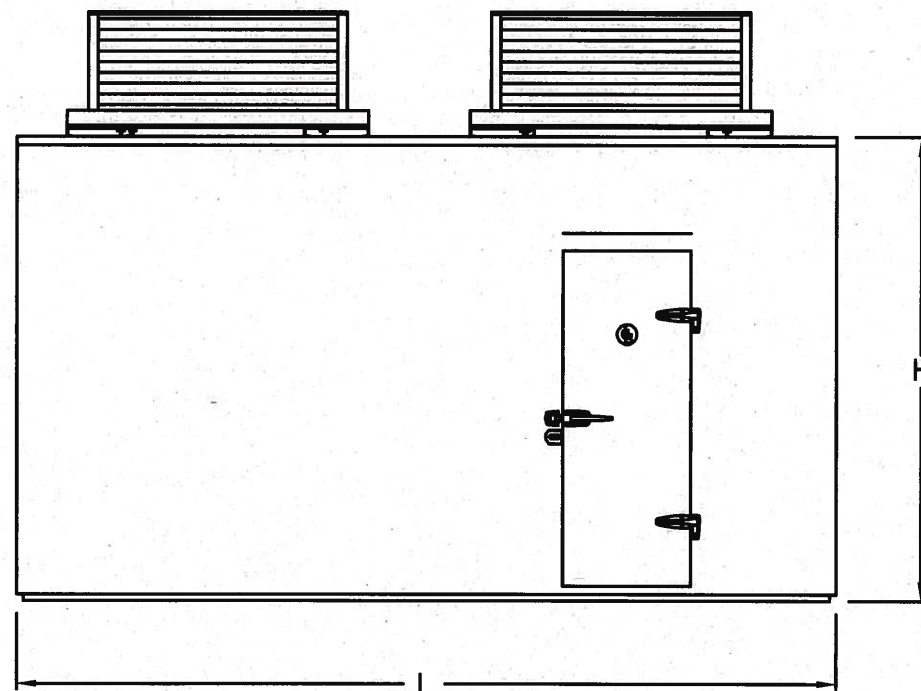
REVISIONS			
NO.	DATE	BY	DESCRIPTION
FLOOR PLANS AND ELEVATION			
MARCH 2012 CMT DVG FL10-95101			



SLOPE
1/4" PER FOOT



END ELEVATION



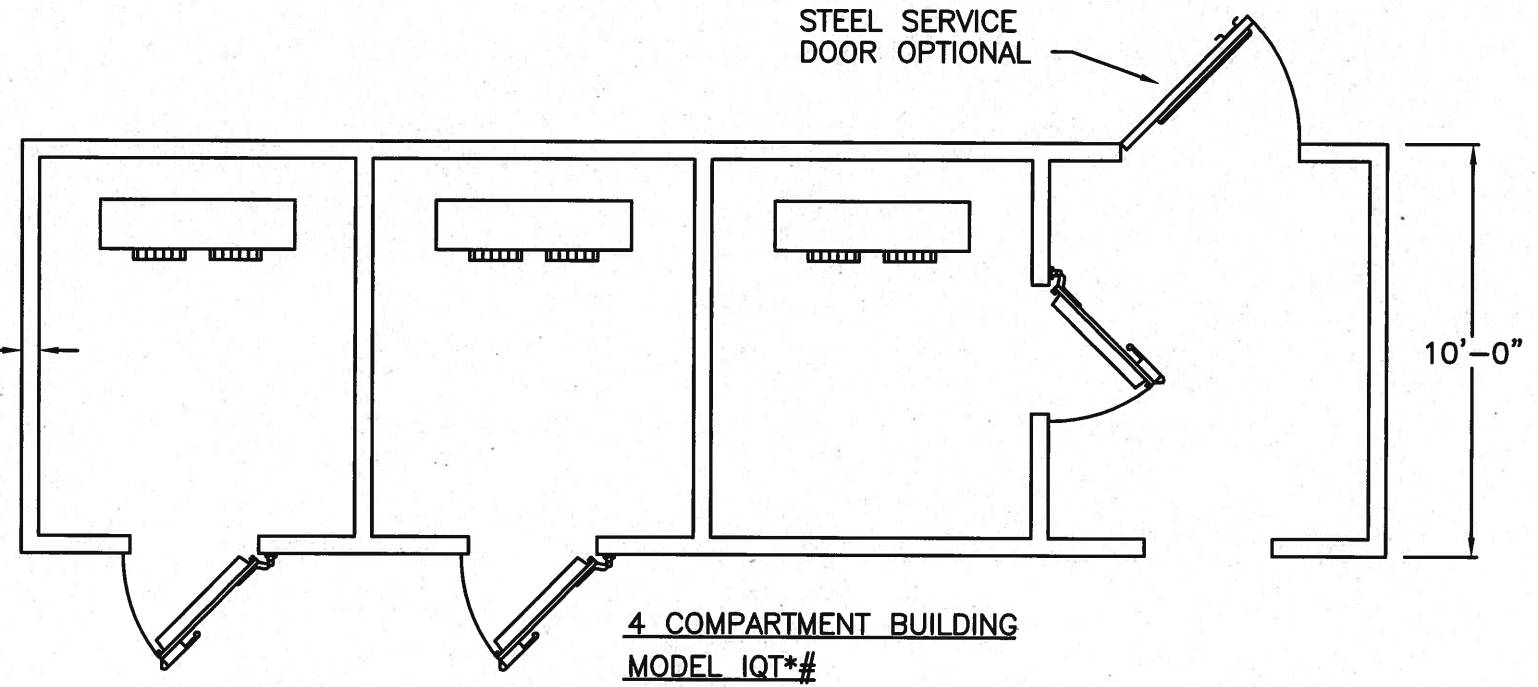
SIDE ELEVATION

NOTE:

1. DOOR, INTERIOR WALL, EVAPORATOR COIL, AND CONDENSING UNIT LOCATIONS SHOWN ARE TYPICAL. ACTUAL LOCATIONS MAY VARY.
2. 1 OR MORE ROOMS MAY NOT CONTAIN REFRIGERATION EQUIPMENT.
3. BUILDING MAY CONTAIN SERVICE ENTRY DOOR.
4. BUILDING MAY CONTAIN COMMON WALK THROUGH OPENING BETWEEN WALK-IN AND CUSTOMERS BUILDING.

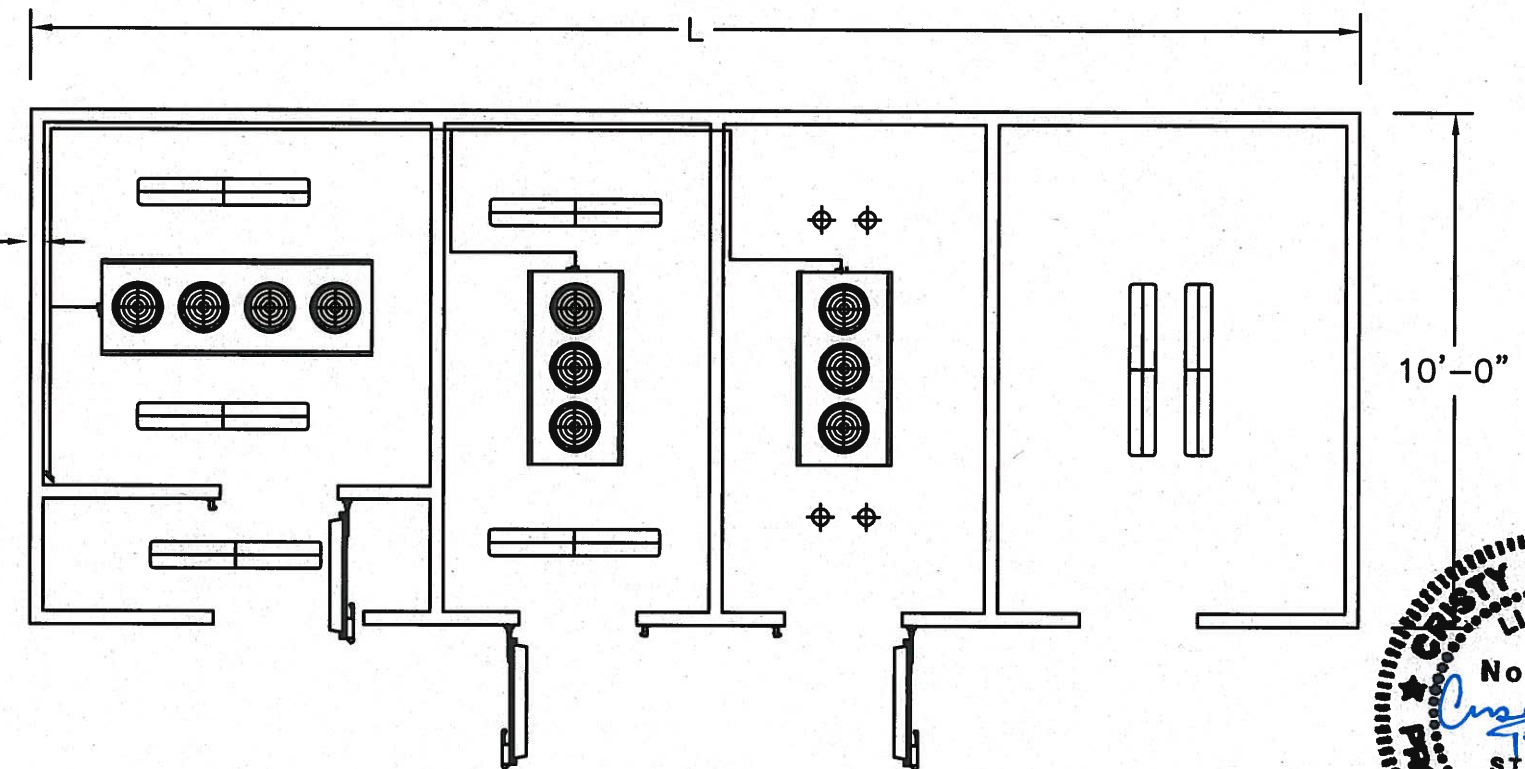
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4" TYP.

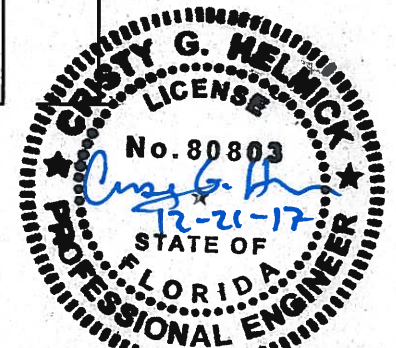


4 COMPARTMENT BUILDING
MODEL IQT*#

4" TYP.



5 COMPARTMENT BUILDING
MODEL IVT*#



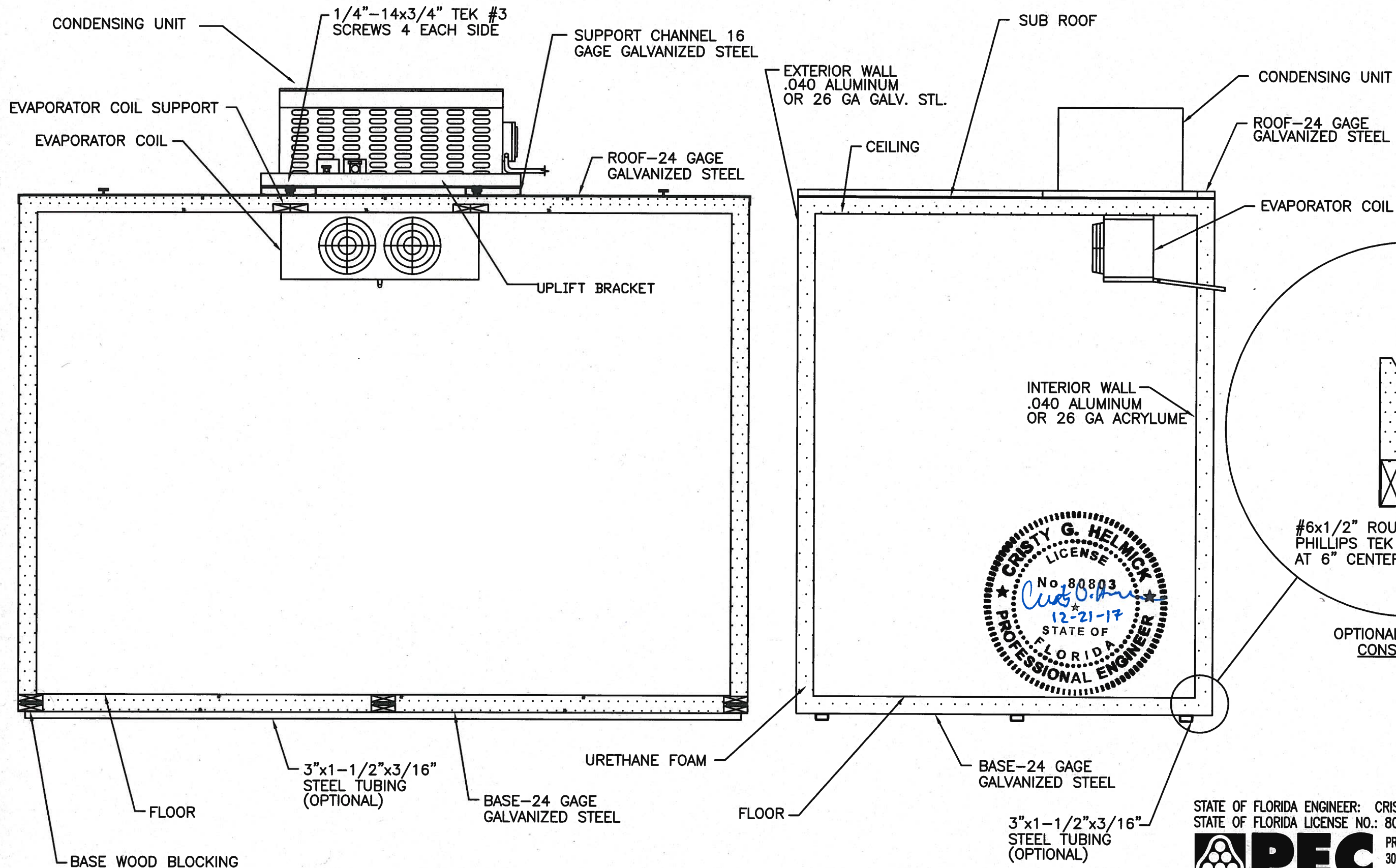
STATE OF FLORIDA ENGINEER: CRISTY G. HELMICK, P.E.
STATE OF FLORIDA LICENSE NO.: 80803
PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 SOUTH TOPEKA WICHITA, KS 67202
316-262-2691 www.pec1.com
FLORIDA BUSINESS LICENSE NO.: 856280
CERTIFICATE OF AUTHORIZATION NO.: CA2633

INTERNATIONAL COLD STORAGE
215 E. 13TH STREET
ANDOVER, KANSAS 67002

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
ICS			FLOOR PLANS AND ELEVATION
	MARCH 2012	CMT	DWG# FL10-95101-1

APPROVED
RADCO
FEB13 2019
APPROVED



NOTES:

1. MOUNT CONDENSING UNIT TO SUPPORT CHANNELS WITH FOUR 3/8" HEX HEAD BOLTS.
2. CONDENSING UNIT CONNECTION CAPABLE OF WITHSTANDING 175 MPH WINDS IN EXPOSURE C IN ACCORDANCE WITH ASCE 7-10 WIND STANDARD.
3. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS.

STATE OF FLORIDA ENGINEER: CRISTY G. HELMICK, P.E.
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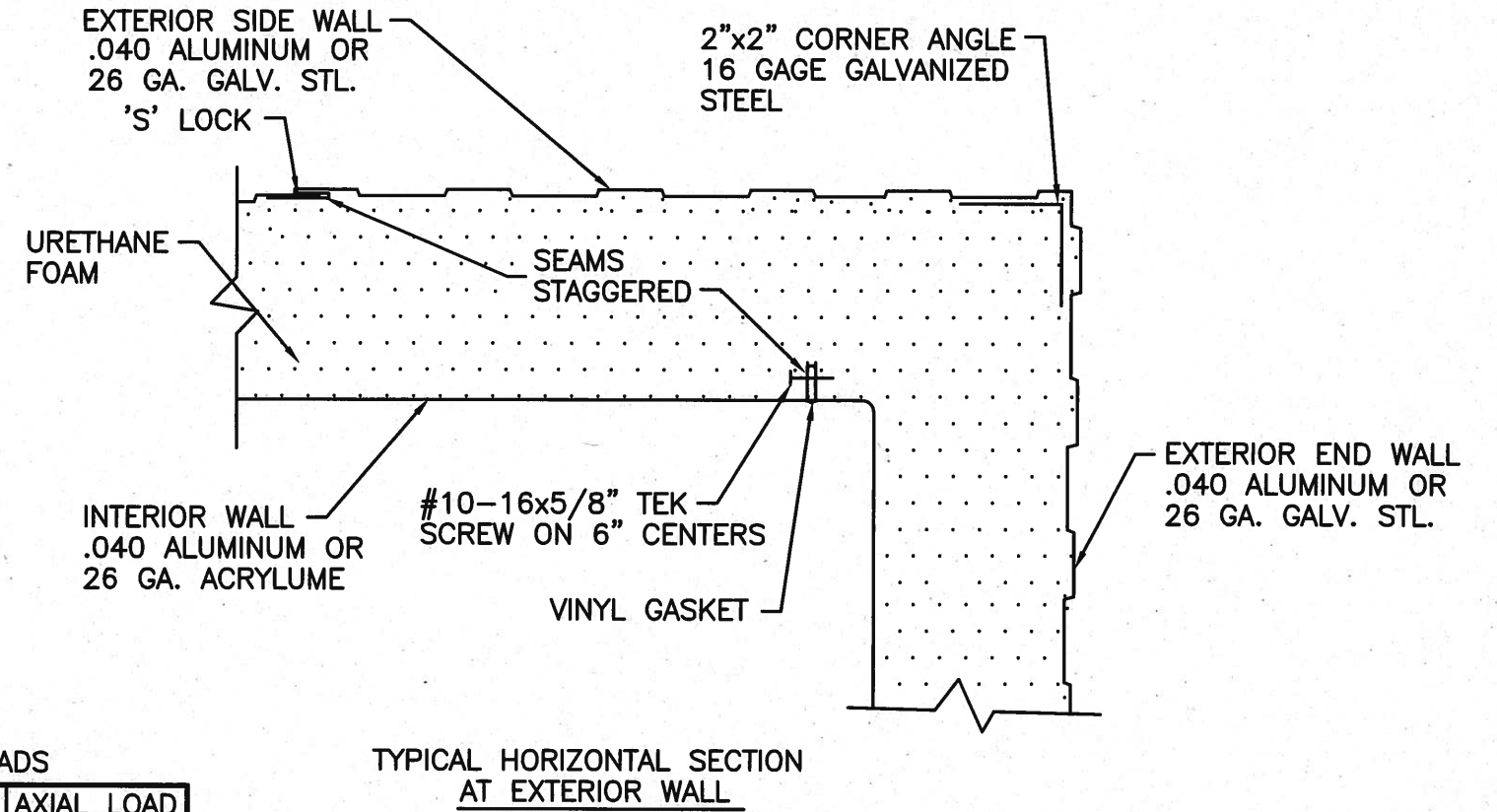
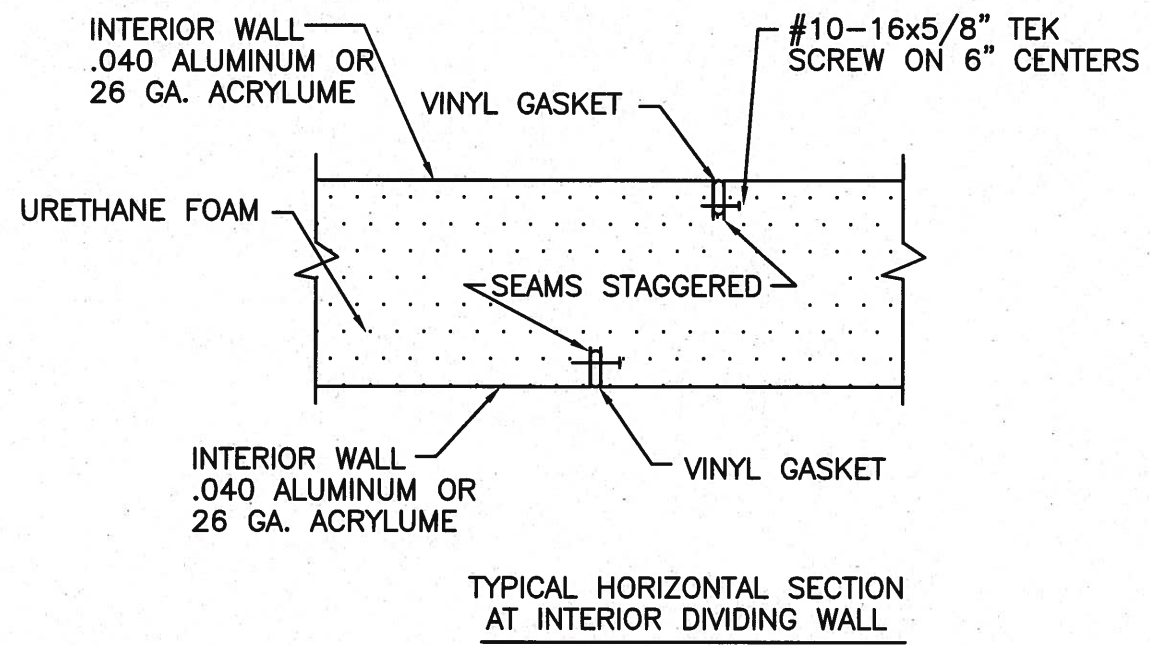
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REVISIONS				DESCRIPTION
NO.	DATE	BY		
				SECTION VIEWS
				MARCH 2012 CMT DVG FL-95102

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FEB13 2019
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ALLOWABLE WALL LOADS		
HEIGHT	LATERAL LOAD	AXIAL LOAD
6'-10"	103.0 psf	31.7 psi
7'-0"	100.6 psf	31.5 psi
7'-2"	97.5 psf	31.4 psi
7'-4"	93.1 psf	31.2 psi
7'-6"	89.0 psf	31.0 psi
7'-8"	85.2 psf	30.8 psi
7'-10"	81.6 psf	30.6 psi
8'-0"	78.3 psf	30.4 psi
8'-2"	75.0 psf	30.2 psi
8'-4"	72.1 psf	30.0 psi
8'-6"	69.3 psf	29.7 psi

NOTES:

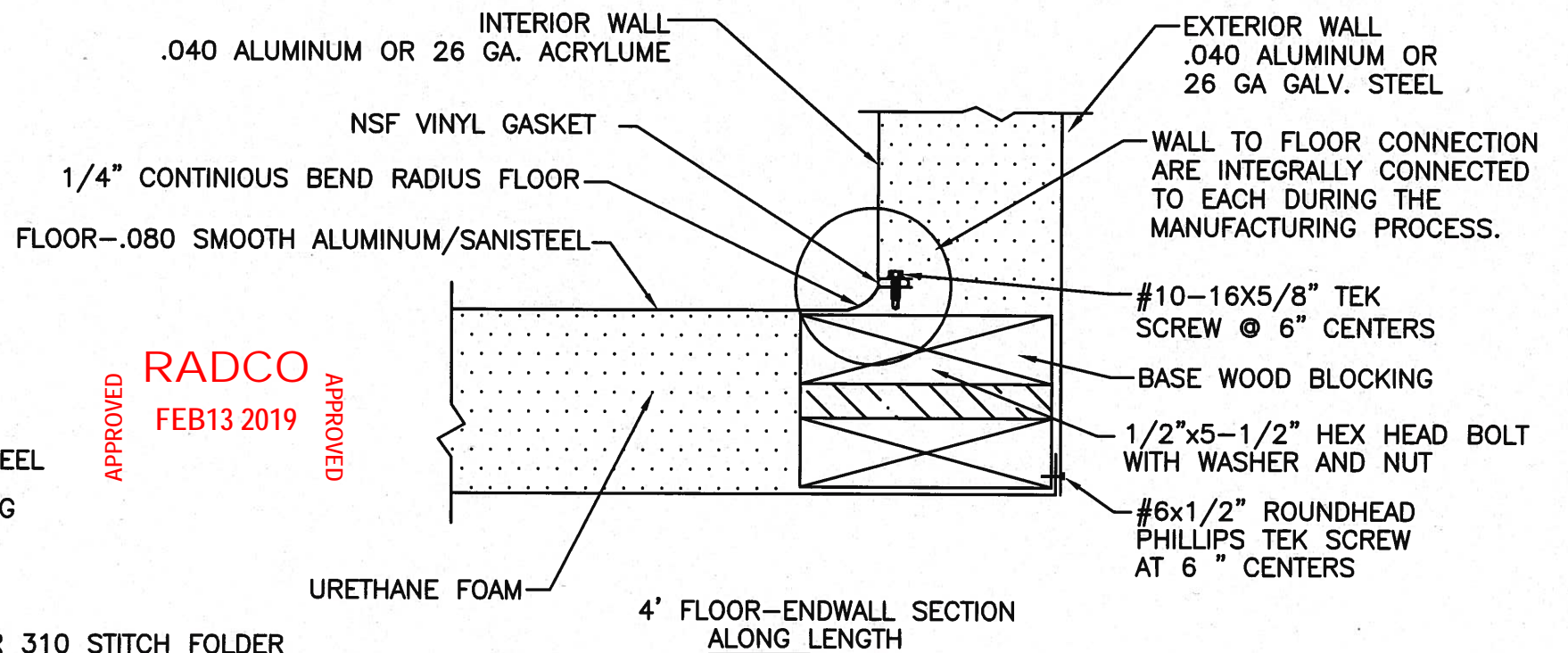
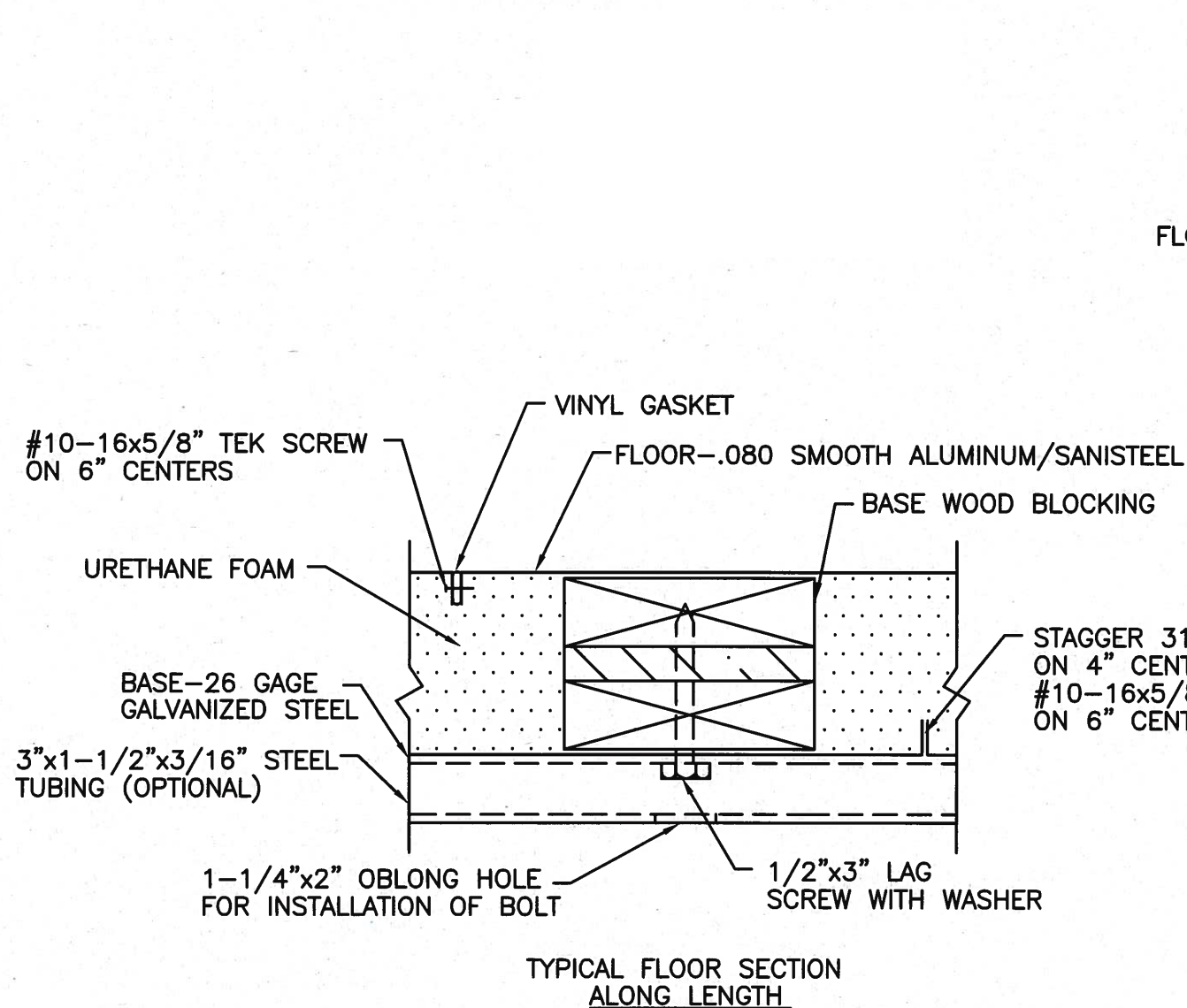
1. MOUNT CONDENSING UNIT TO SUPPORT CHANNELS WITH FOUR 3/8" HEX HEAD BOLTS.
2. CONDENSING UNIT CONNECTION CAPABLE OF WITHSTANDING 175 MPH WINDS IN EXPOSURE C IN ACCORDANCE WITH ASCE 7-10 WIND STANDARD.
3. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS.



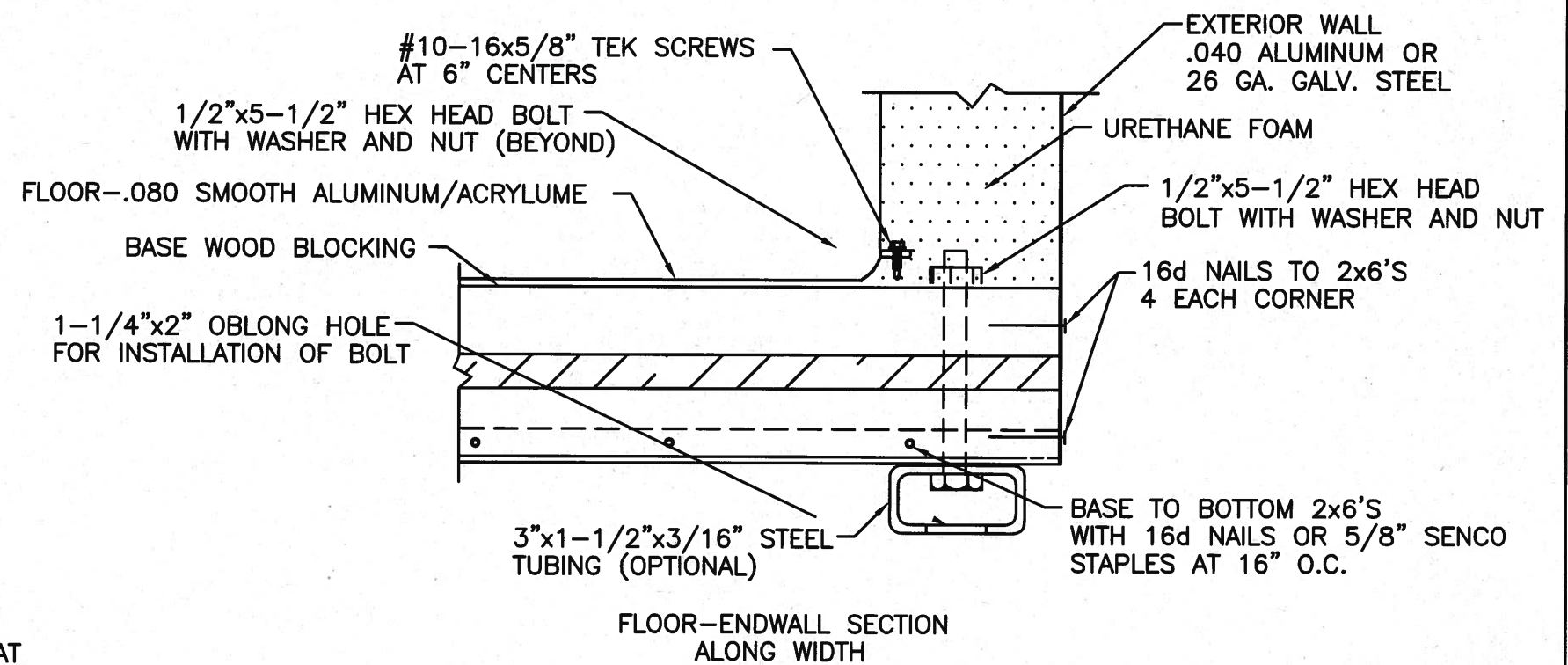
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NO.			REVISIONS		DESCRIPTION
NO.	DATE	BY			
ICS					WALL SECTION DETAILS
MARCH 2012					CMT JVG# FL-95103



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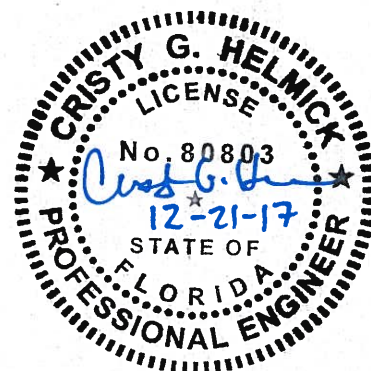


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NOTES:

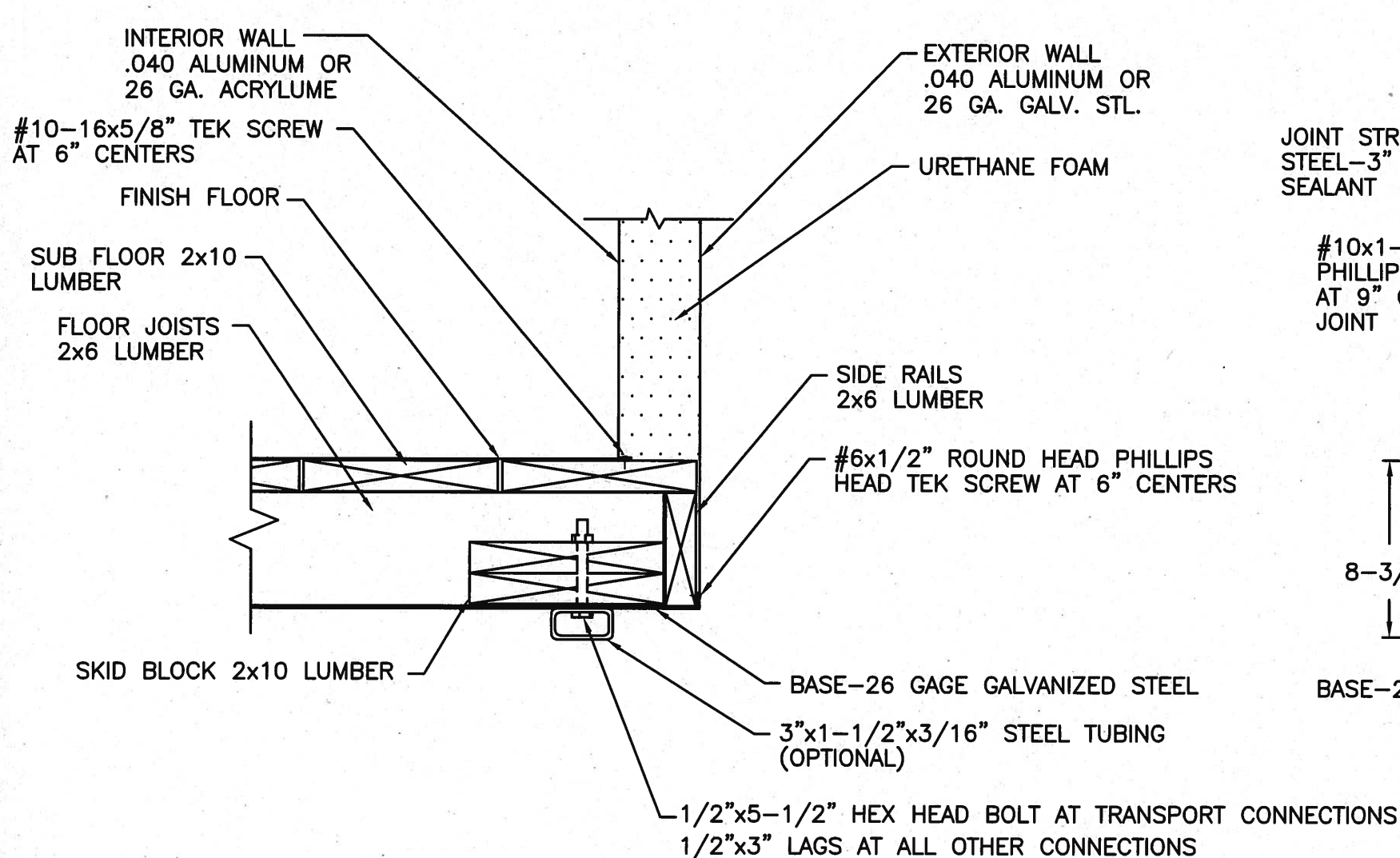
1. SKIDS ARE SECURED TO BASE WOOD BLOCKING WITH 1/2"x3" LAG SCREWS EXCEPT AT TRANSPORT CONNECTIONS WHERE 1/2"x5-1/2" BOLTS ARE USED. SKIDS ARE USED FOR TRANSPORT AND REMOVED ONCE ON SITE.
2. TOP 2x6 OF BASE WOOD BLOCKING MAY HAVE ONE SPLICE.
3. BASE WOOD BLOCKING CONSISTS OF TWO 2x6'S SYP#2, SPF#1 WITH 3/4" CDX PLYWOOD, WITH 16d NAILS ON 12" CENTERS STAGGERED.
4. BASE WOOD BLOCKING AT EACH END AND AT MAXIMUM 12' SPACING ALONG BUILDING LENGTH.
5. .080 ALUMINUM, .125 ALUMINUM, 18 GAGE STAINLESS STEEL OR SANISTEEL MAY BE USED AS FLOORING MATERIAL
6. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS.

INTERNATIONAL COLD STORAGE
215 E. 13TH STREET
ANDOVER, KANSAS 67002

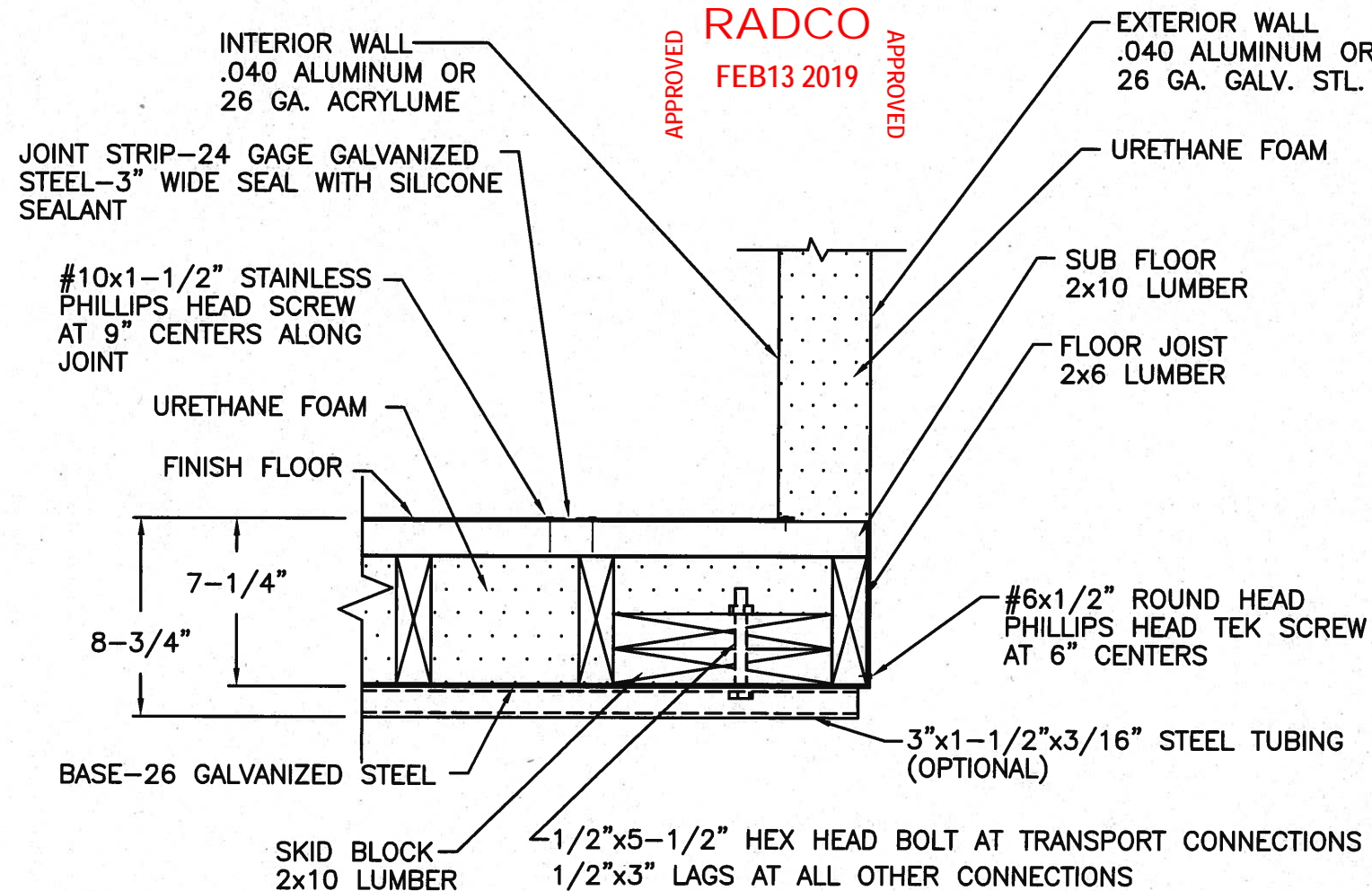
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
4" & 5-1/2" FLOOR SECTIONS			
JANUARY 2002	RH	DVG#	FL-95104





FLOOR-ENDWALL SECTION ALONG WIDTH



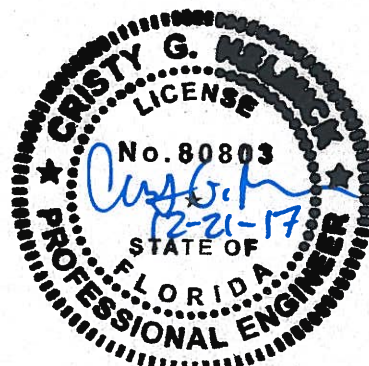
FLOOR TO ENDWALL SECTION ALONG LENGTH

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RADCO
FEB13 2019
APPROVED

NOTES:

- OPTIONAL FLOOR FINISHES-16 GAGE GALVANIZED, .080 ALUMINUM, .090 ALUMINUM, .125 ALUMINUM, .125 ALUMINUM TREAD PLATE, 12 GAGE GALVANIZED TREAD PLATE.
- SUB FLOOR SPLICE MUST HAVE 1/2" MINIMUM BEARING ON FLOOR JOIST.
- ALL LUMBER SPF #1 OR SPF #2.
- LEAVE GRADE STAMP VISIBLE.
- NAILING SCHEDULE:

SUB FLOOR TO JOIST	16d NAILS	5 EACH
FLOOR JOIST TO SIDE RAIL	16d NAILS	5 EACH
FLOOR JOIST TO SKID BLOCK	16d NAILS	6 EACH
- SEE DRAWING CC95101 FOR 3"x1-1/2"x3/16" STEEL TUBING SPACING.
- SUB FLOOR IS DESIGNED TO CARRY A MAXIMUM CONCENTRATED LOAD OF 650 lbs. OVER A 4 1/2"x4 1/2" SQUARE AREA LOCATED AT MID SPAN.
- 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS.



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ALLOWABLE UNIFORM FLOOR LOADS
(TIMBERS WITHOUT SKIDS)

2x6 JOIST @ 16" O.C. - 1950PSF
2x6 JOIST @ 12" O.C. - 3145PSF

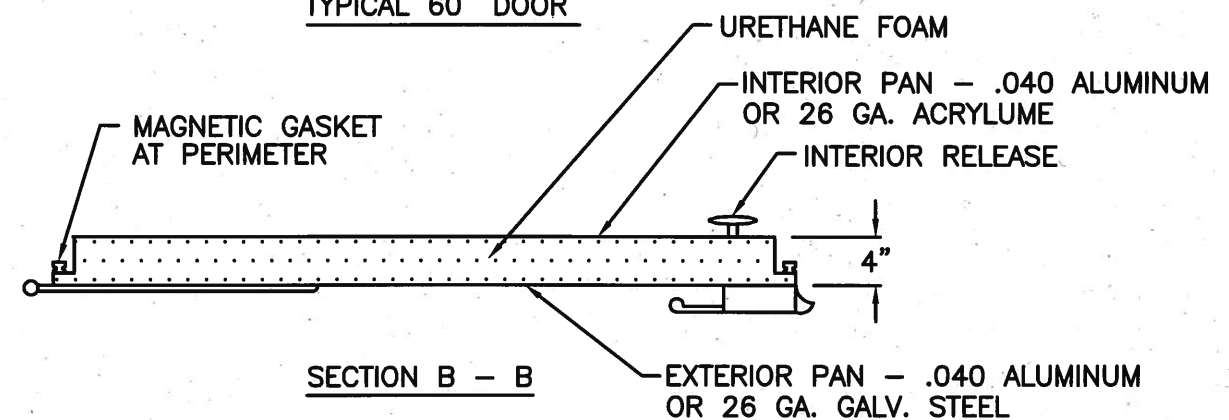
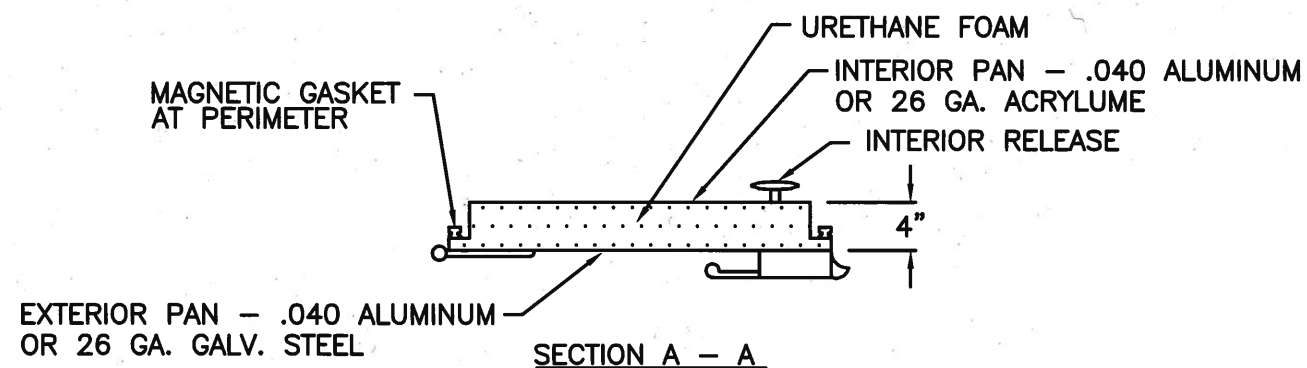
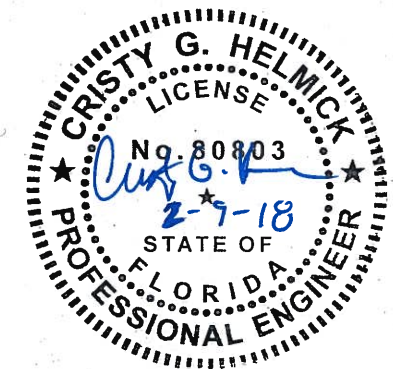
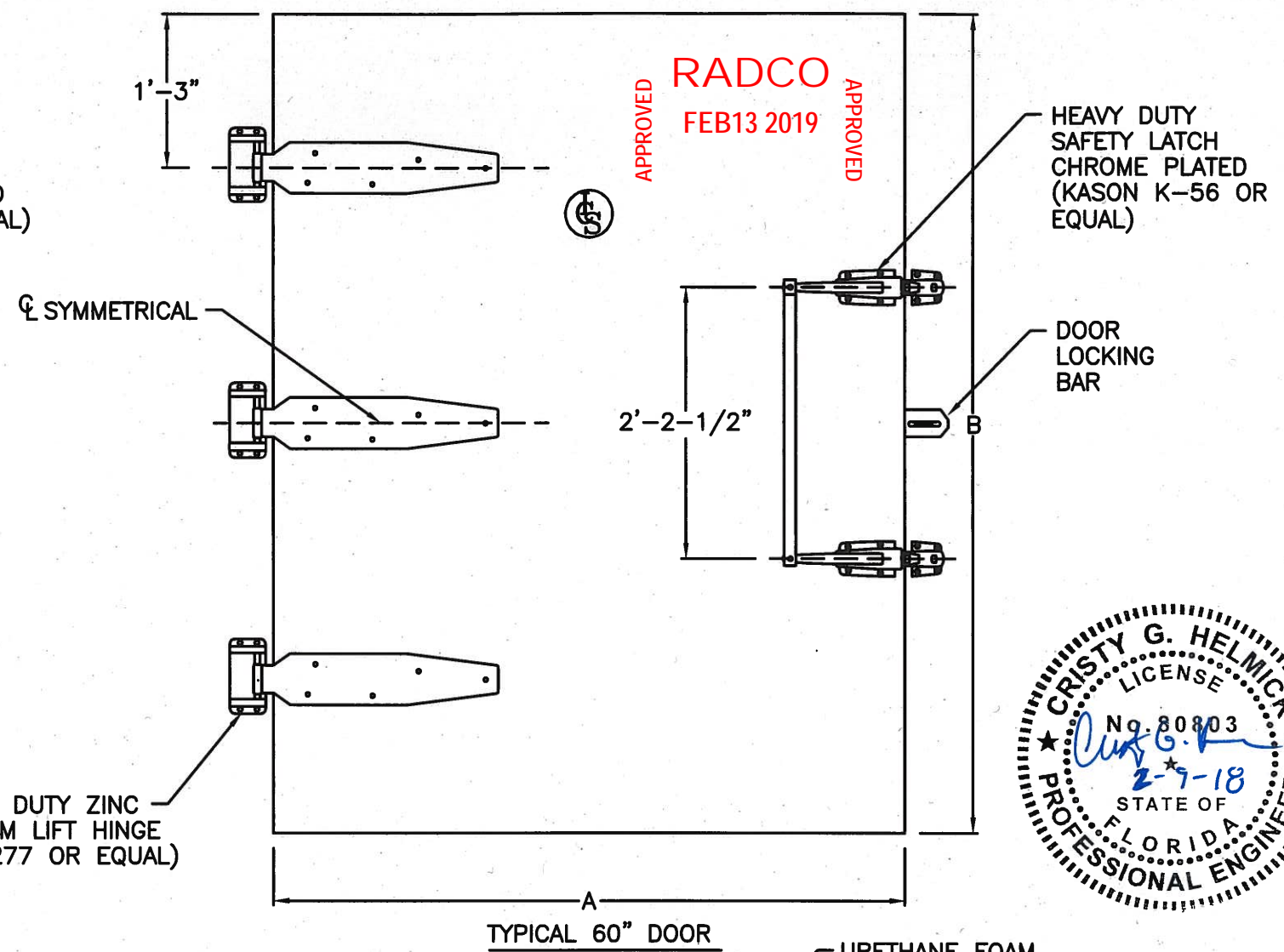
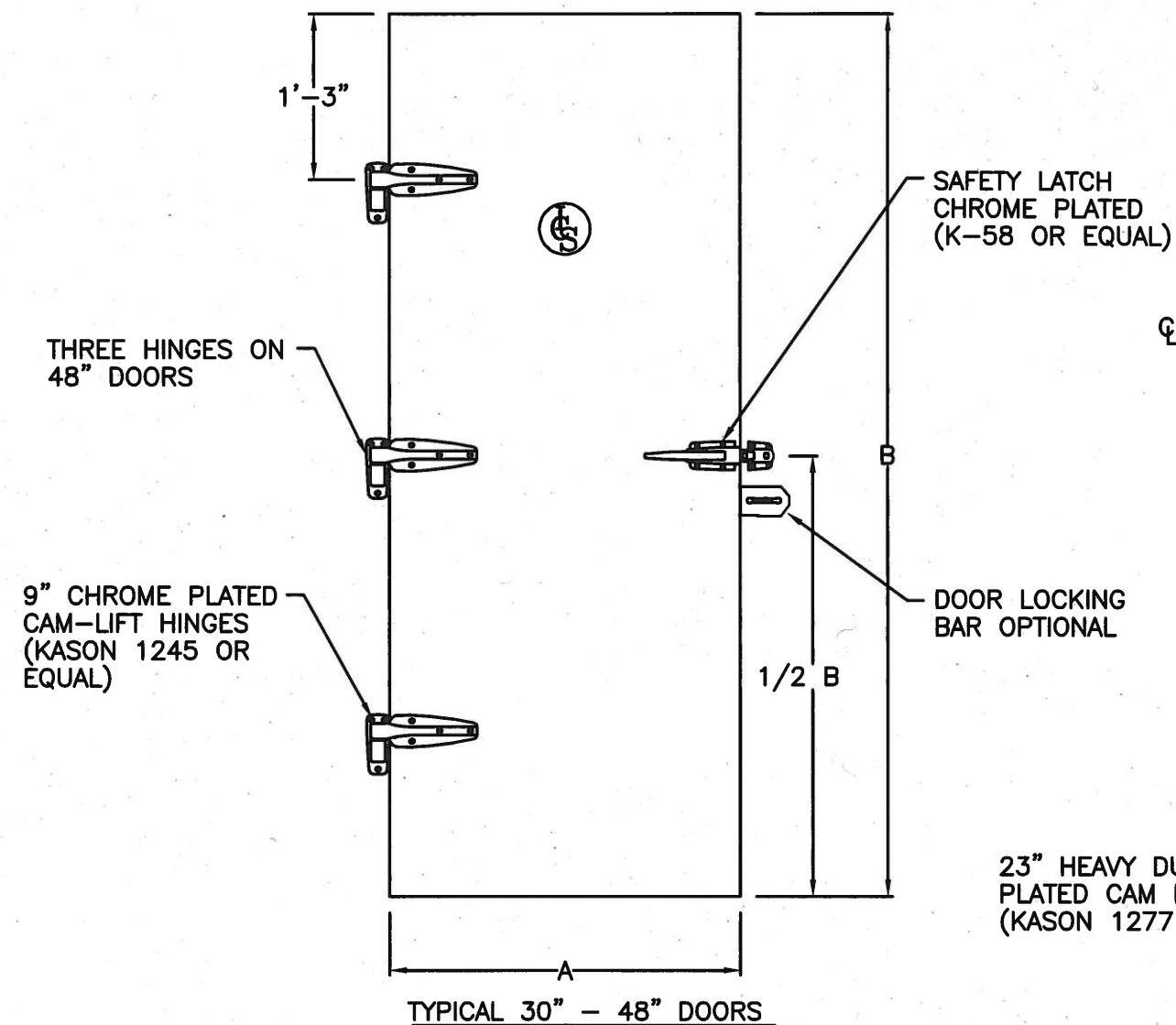
ALLOWABLE UNIFORM FLOOR LOADS (PSF)
(TIMBERS WITH SKIDS)

BUILDING WIDTH	2x6 JOIST SPACING	
	16"O.C.	12"O.C.
6'	590	786
7'	468	624
8'	352	469
9'	352	469
10'	352	469
11'	352	469
12'	352	469
13'	352	469
14'	352	469
15'	352	469

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
7-1/4" & 8-3/4" FLOOR SECTIONS			
JANUARY 2002		RH	DWG# FL-95105



INTERIOR INSULATED DOOR

NOTE:

- 22 GAGE GALVALUME OR 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE INTERIOR OR EXTERIOR DOOR PAN.
- DOOR PANELS ARE COVERED UNDER UL LISTED COMMERCIAL WALK-IN FILE #E80497.

DOOR SIZE	A	B
30x72	32	74
30x78	32	80
36x72	38	74
36x78	38	80
48x72	50	74
48x78	50	80
60x72	62	74
60x78	62	80
60x84	62	86

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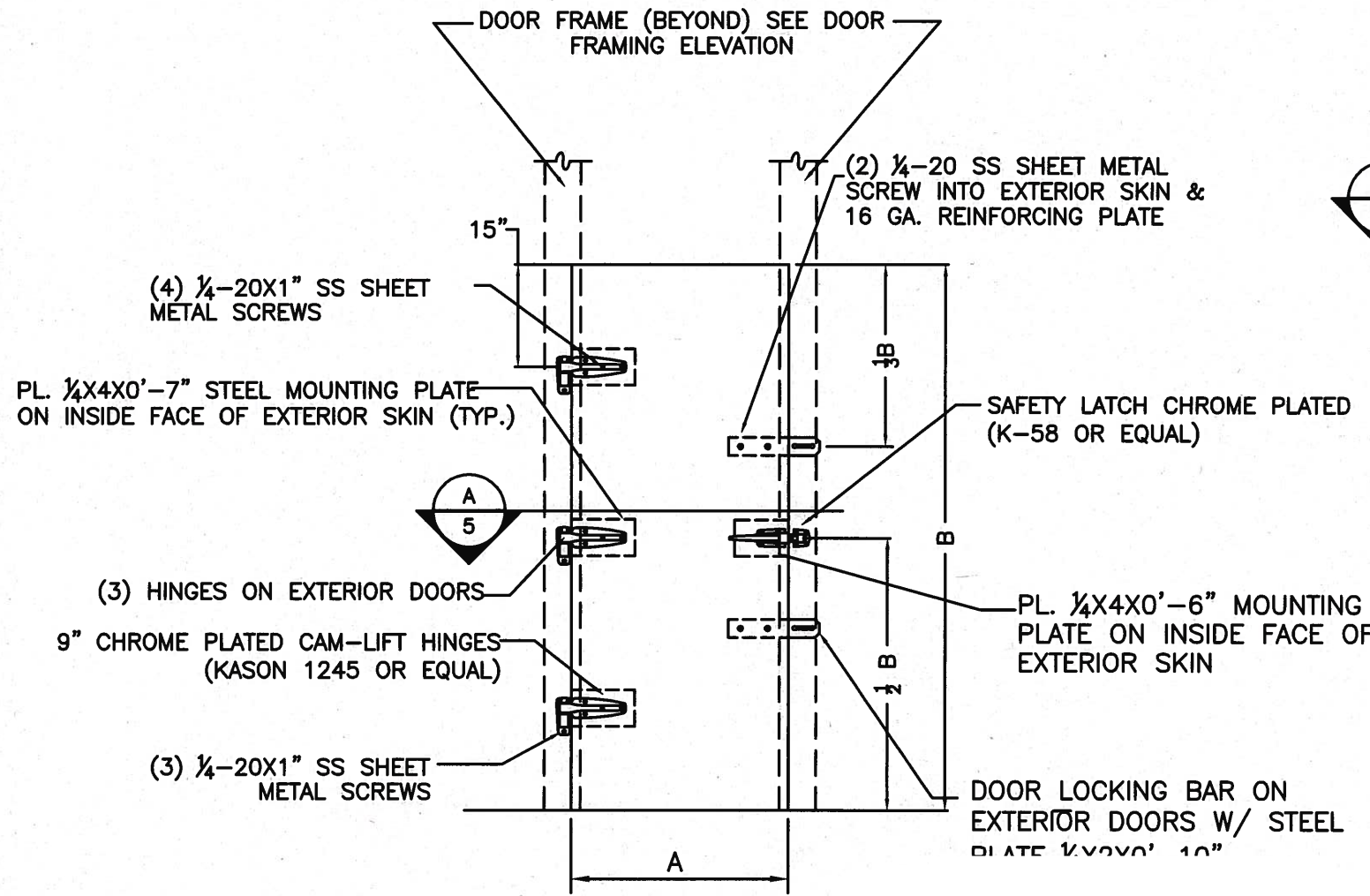


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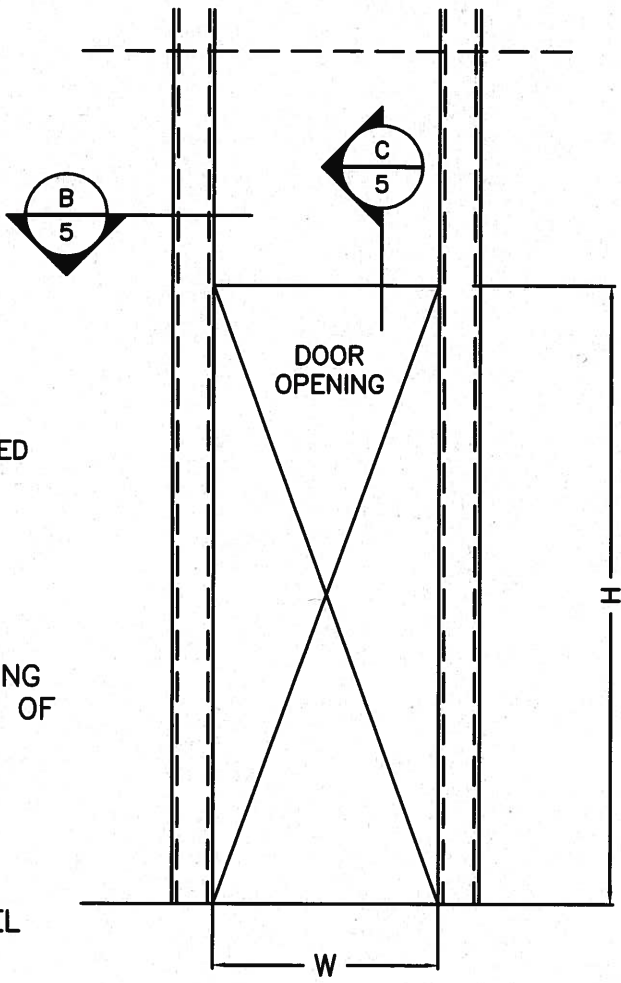
FLORIDA BUSINESS LICENSE NO.: 856280
CERTIFICATE OF AUTHORIZATION NO.: CA2633

REVISIONS			
NO.	DATE	BY	DESCRIPTION
DOOR DETAILS - INSULATED			
FEBRUARY 2004	RH	DWG#	FL-95106

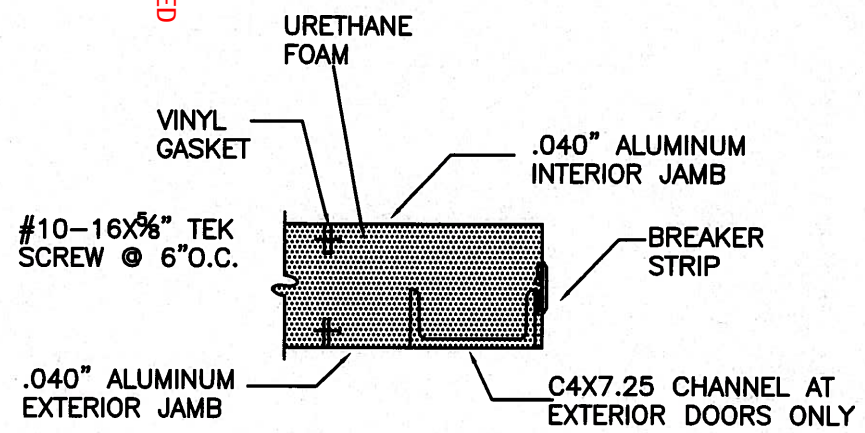
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RADCO
FEB13 2019
APPROVED



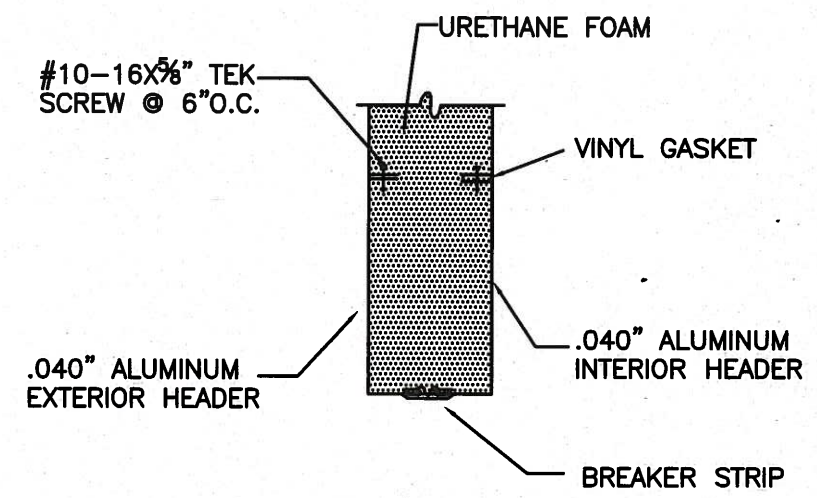
TYPICAL 30" - 36" DOOR



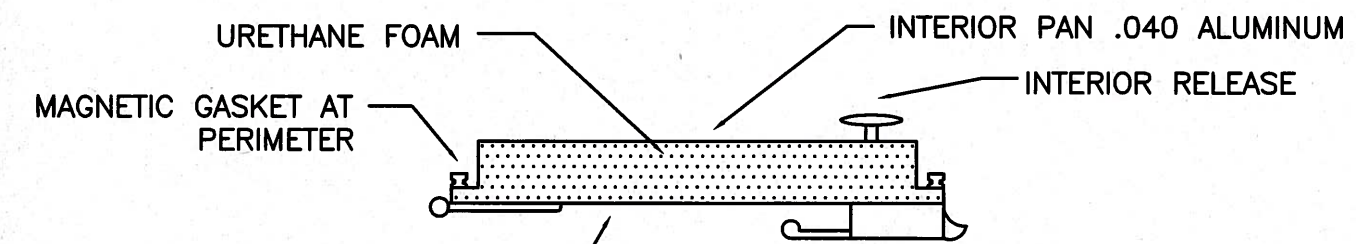
ELEVATION OF DOOR FRAMING



SECTION B

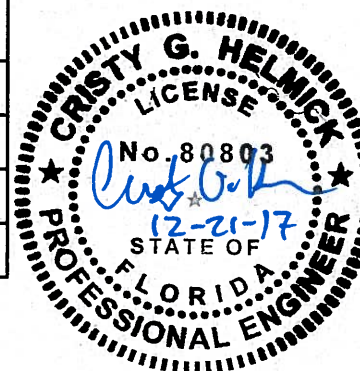


SECTION C



SECTION A

DOOR SIZE W X H (IN)	A (IN)	B (IN)
30x72	32	74
30x78	32	80
36x72	38	74
36x78	38	80



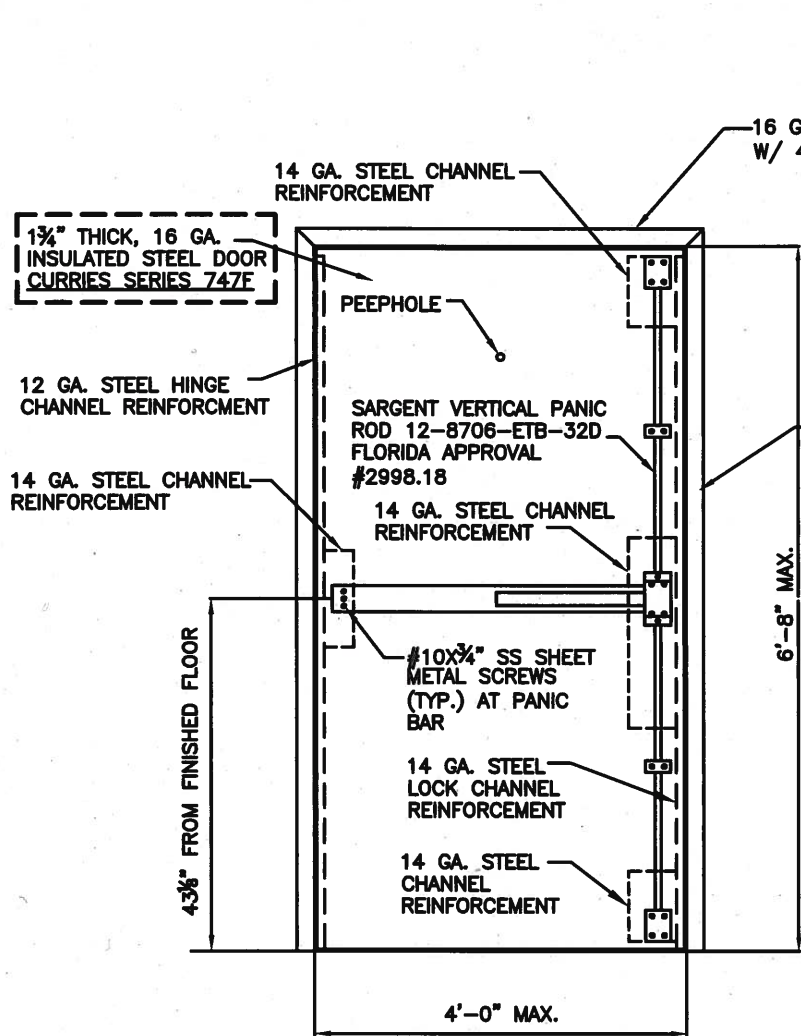
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FREESTANDING OR ATTACHED
TO ADJACENT BUILDING

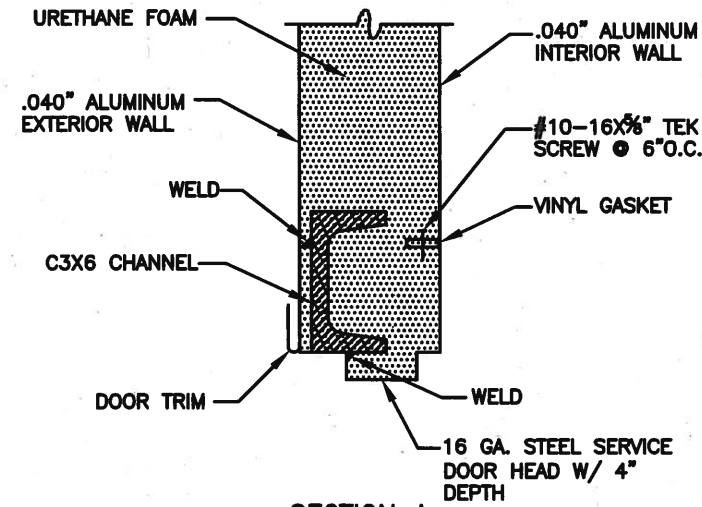
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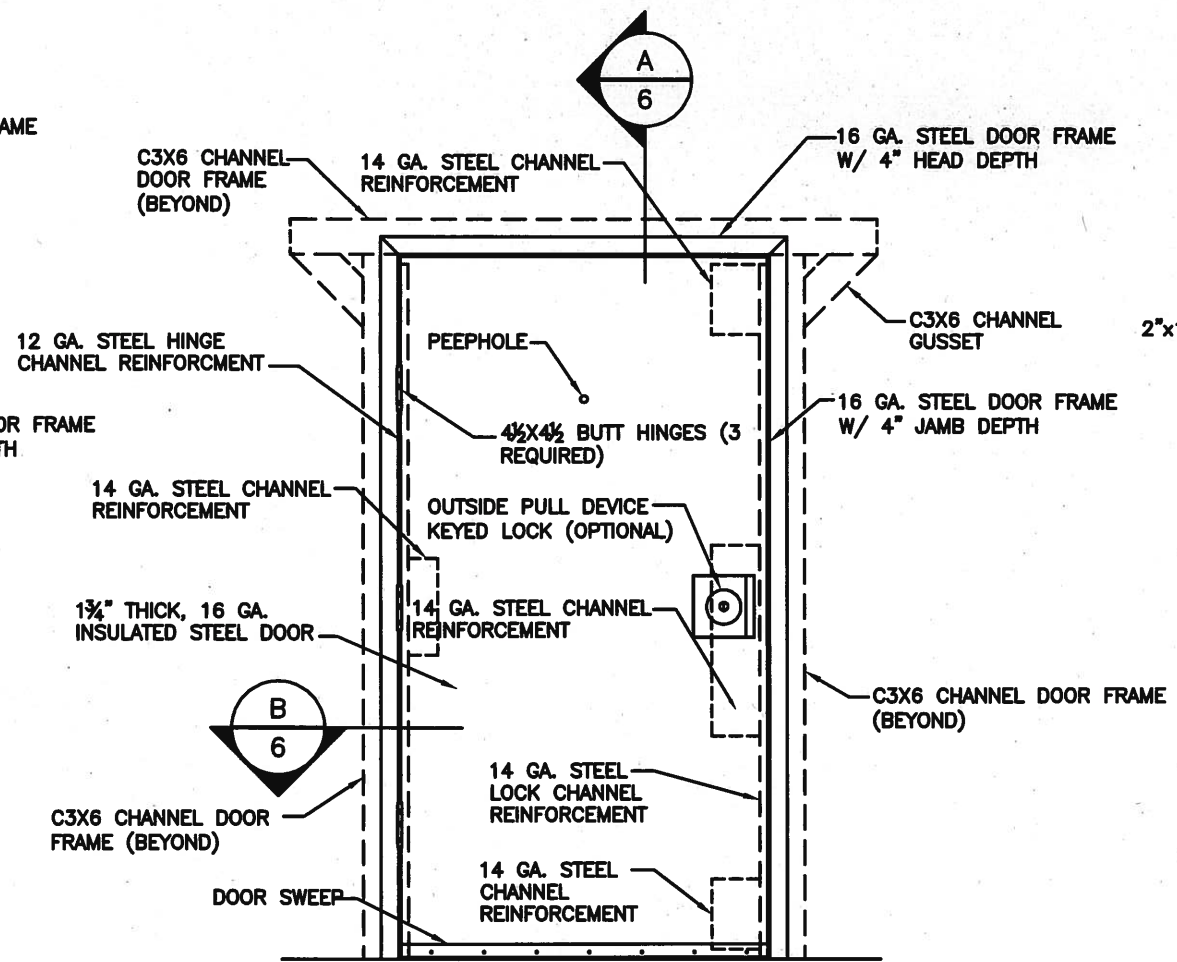
REVISIONS			
NO.	DATE	BY	DESCRIPTION
ICS			DOOR DETAILS - EXTERIOR
FEBRUARY 2004	RH	DWG#	FL-95106-1



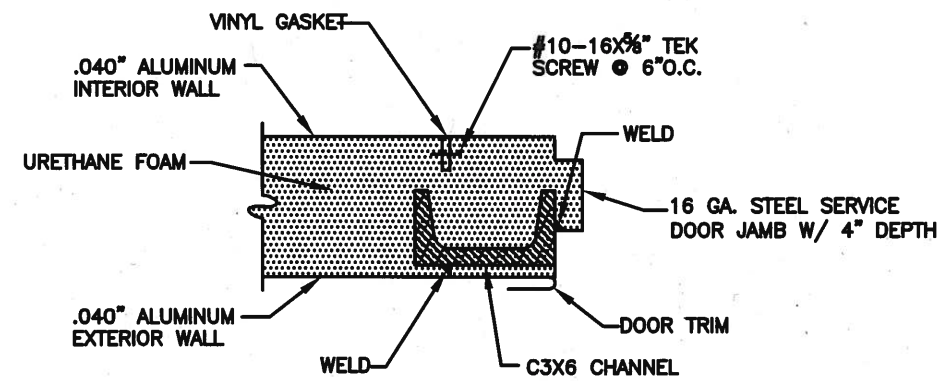
SERVICE DOOR - VIEW FROM INSIDE



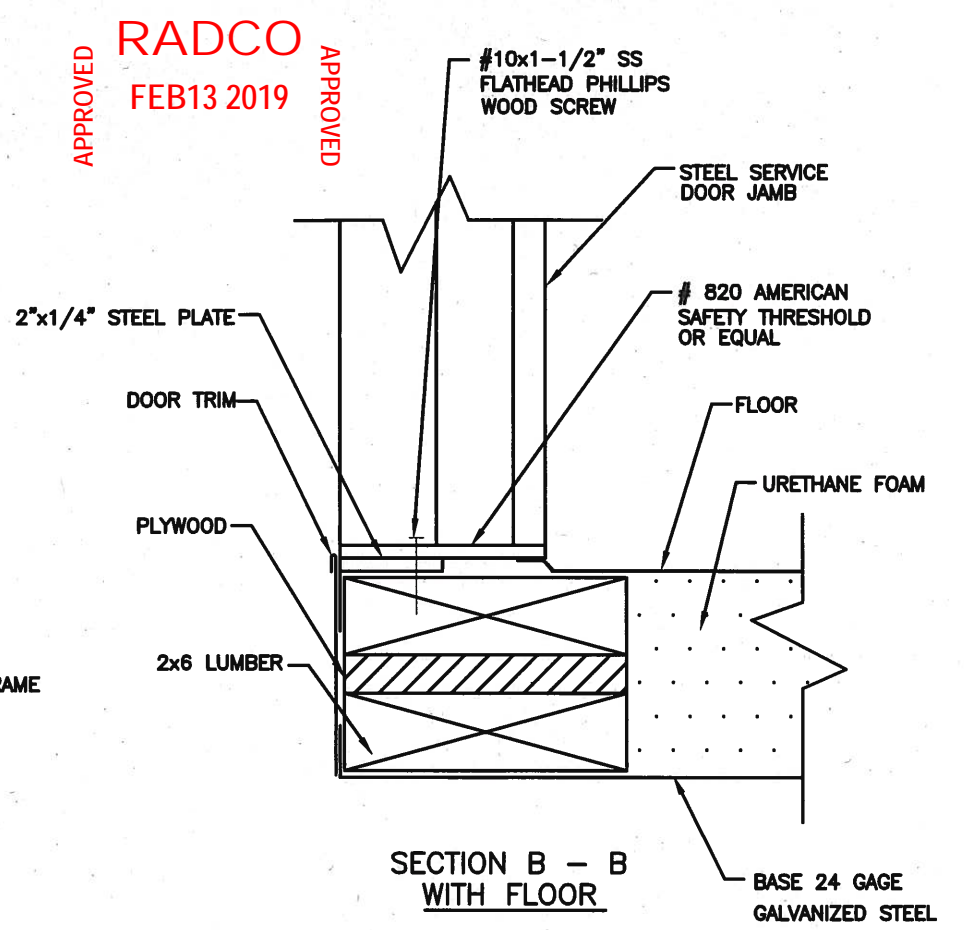
SECTION A



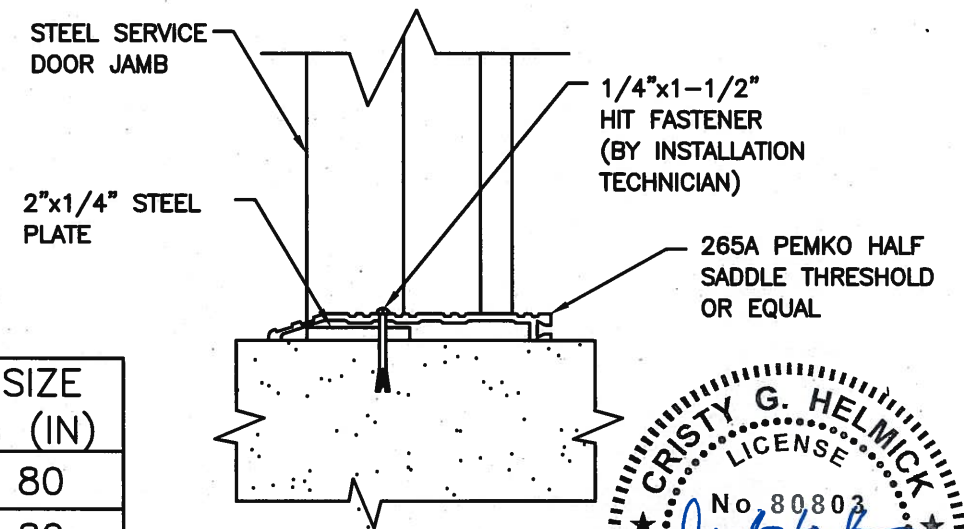
SERVICE DOOR - VIEW FROM OUTSIDE



SECTION B



SECTION B - B WITH FLOOR



SECTION B - B FLOORLESS

DOOR SIZE
W X H (IN)
36 x 80
42 x 80
48 x 80

NOTES:
 EXTERIOR SERVICE DOOR IS A PRODUCT OF CURRIES DIVISION OF AADG, INC. SERVICE DOOR SERIES 747F HAS BEEN TESTED, ANALYZED AND APPROVED FOR USE IN THE HIGH VELOCITY HURRICANE ZONES (HVHZ). REFER TO FL# 16353.2. (ASSEMBLY #9) MAX. ALLOWABLE PRESSURE ON DOOR IS 70PSF, WHICH IS GREATER THAN THE DESIGN WIND PRESSURE OF 63PSF.

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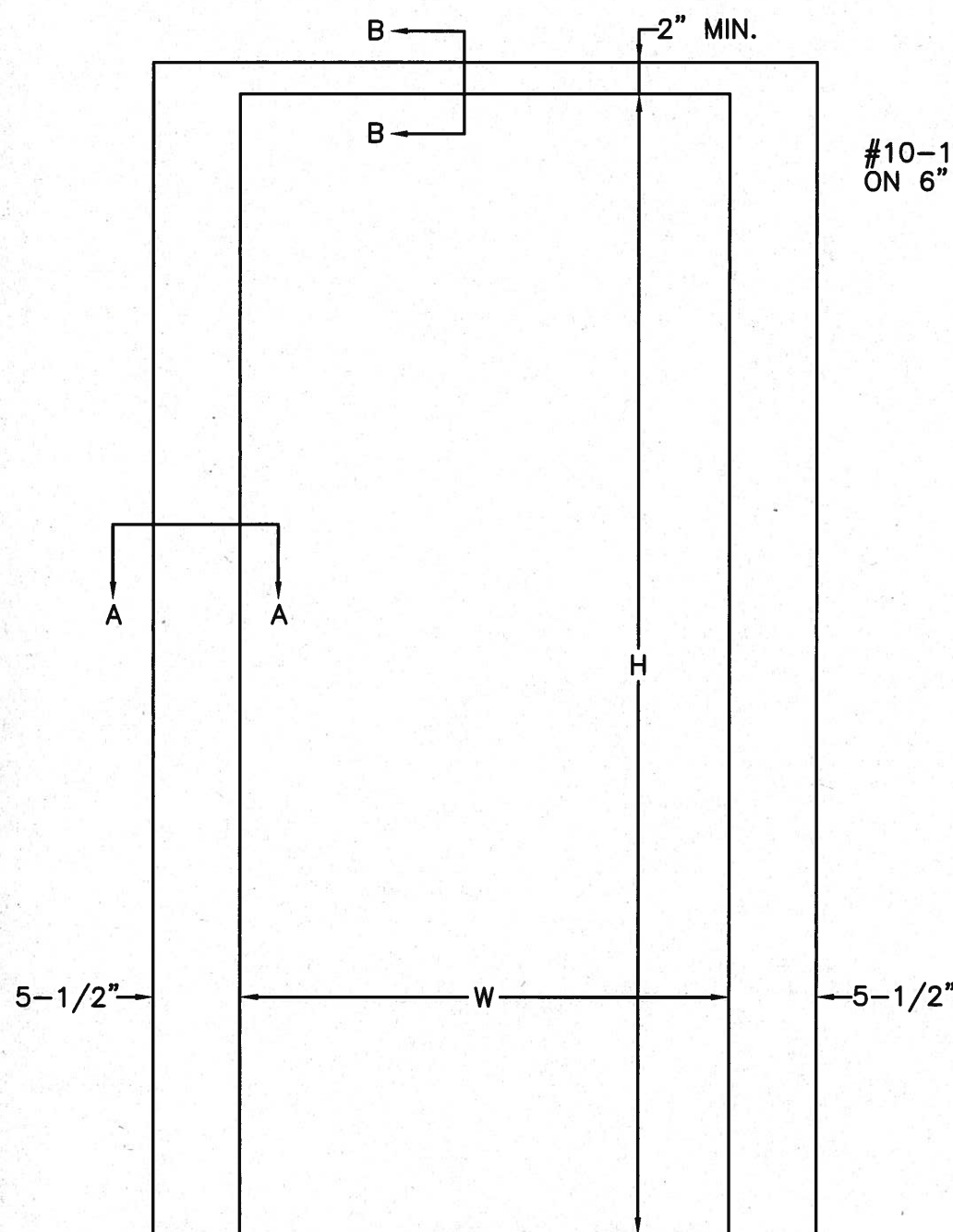
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REVISIONS				
NO.	DATE	BY	DESCRIPTION	
A	02/01/18	RH	REVISED FLORIDA PRODUCT APPROVAL # FOR CURRIES DOOR	
			DOOR DETAILS - SERVICE	
			FEBRUARY 2004	RH DWG# FL-95107

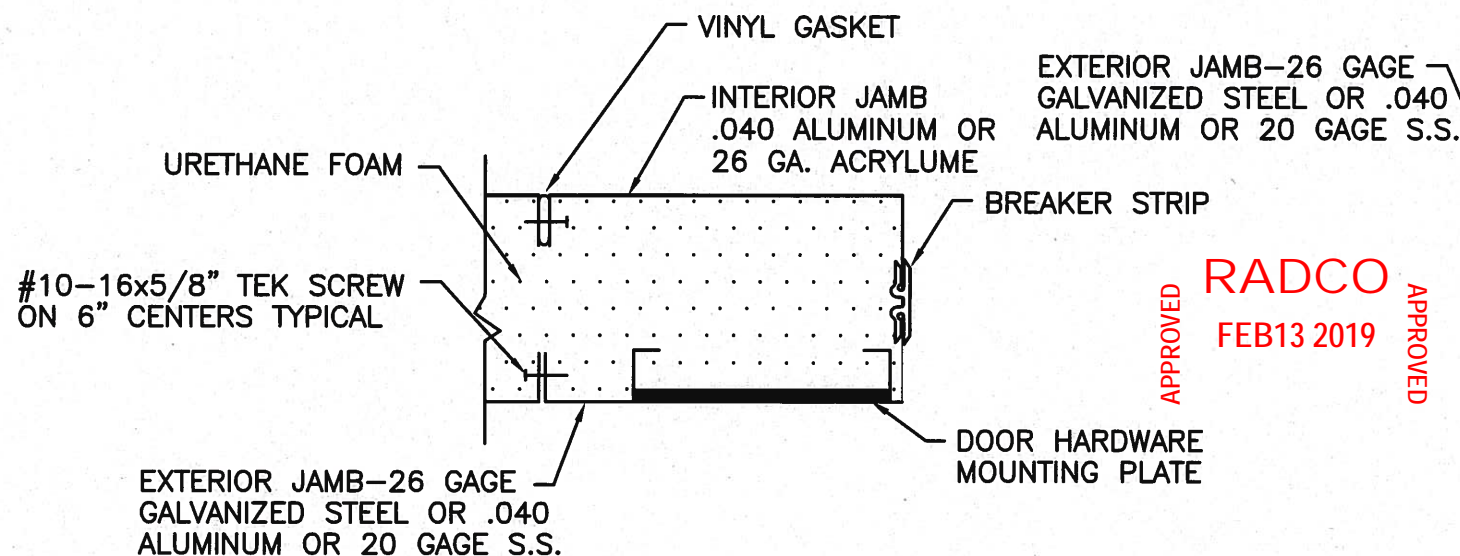




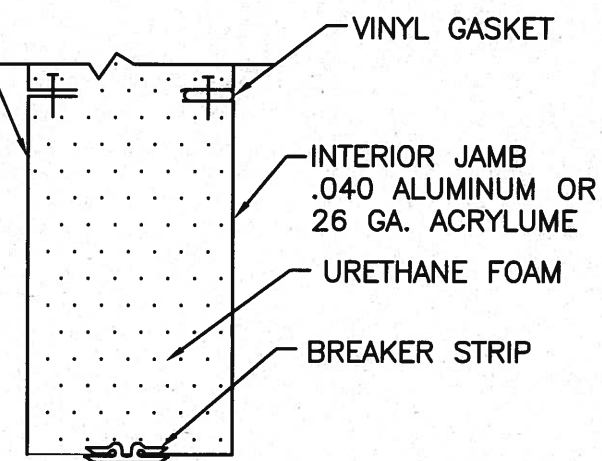
ELEVATION - DOOR FRAME ASSEMBLY

NOTES:

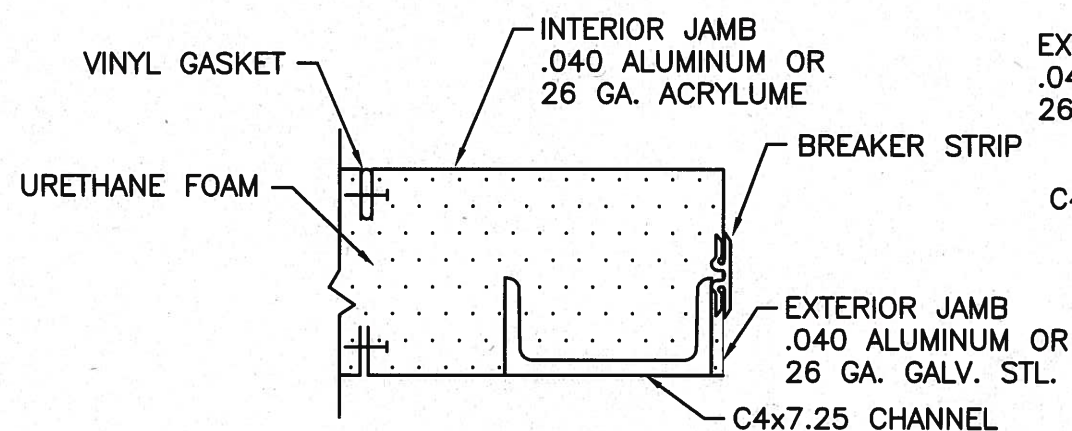
1. DOOR HARDWARE MOUNTING PLATE CONSISTS OF 10 GAGE STEEL PLATE
2. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 ALUM. WALLS.



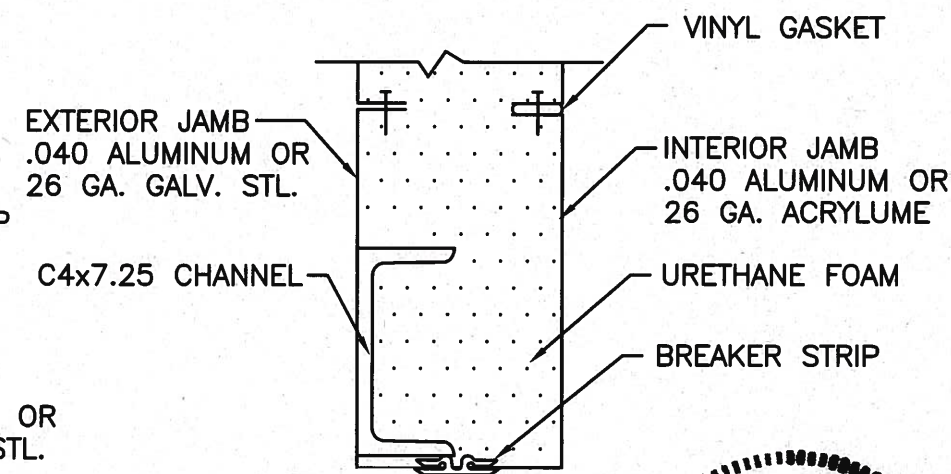
DETAIL D - 1



DETAIL D - 3



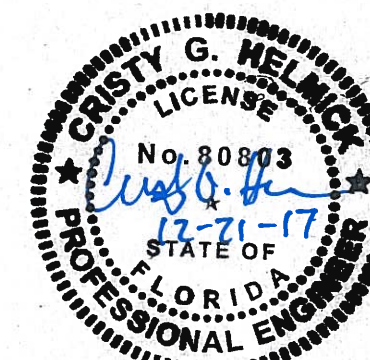
DETAIL D - 2



DETAIL D - 4

SCHEDULE OF DETAIL DRAWINGS

DOOR SIZE W x H	SECTION A - A	SECTION B - B
30 x 72	DETAIL D - 1	DETAIL D - 3
30 x 78		
36 x 72		
36 x 78		
48 x 72		
48 x 78		
60 x 72	DETAIL D - 2	DETAIL D - 4
60 x 78		
60 x 84		



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
ICS			DOOR FRAME DETAILS INSULATED
JANUARY 2002	RH	DWG#	FL-95108



1. 2500 PSI MINIMUM COMPRESSIVE STRENGTH CONCRETE AT 28 DAYS.
2. MINIMUM SOIL BEARING CAPACITY SHALL BE 1500 PSF.
3. INSTALLATION OF FOUNDATION IS RESPONSIBILITY OF CUSTOMER.
4. FINISH EDGES OF SLAB WITH 1/8" SLOPE FROM BUILDING TO EDGE.
5. WHEN ICS STORAGE UNIT IS ADJACENT TO ANOTHER BUILDING REDUCE OVERALL WIDTH BY 6".
6. 8" MINIMUM CONCRETE DEPTH REQUIRED AT TIE DOWN.
7. MINIMUM OF FOUR TIE DOWNS REQUIRED PER BUILDING. INSTALL AT CORNERS OF EACH END WALL. SEE APPENDIX C FOR NUMBER OF REQUIRED TIE DOWNS.
8. FOUNDATIONS/FOOTINGS BELOW FROSTLINE ARE REQUIRED FOR ALL BUILDING DESIGNS.
9. FOOTINGS AND CONCRETE PADS ARE TO BE DESIGN TO MEET LOCAL SITE SPECIFIC CONDITIONS BY A QUALIFIED ENGINEER OR ARCHITECT.

FOUNDATION LOADS AT SKIDS			
UNIT WIDTH	UNIT DEAD LOAD *1	ROOF LIVE LOAD (20psf)*2	FLOOR LIVE LOAD (100psf)*3
10'	42.6 PLF	100 PLF	350 PLF

- *1. DEAD LOADS ARE FOR UNITS WITHOUT WOOD FRAMED ROOF OR FLOOR AND AVERAGE HEIGHT OF 9'-4".
- *2. FOR LOADS GREATER THAN 20psf, MULTIPLY THIS VALUE BY THE ACTUAL LOAD AND DIVIDE BY 20.
- *3. FOR LOADS GREATER THAN 100psf, MULTIPLY THIS VALUE BY THE ACTUAL LOAD AND DIVIDE BY 100.

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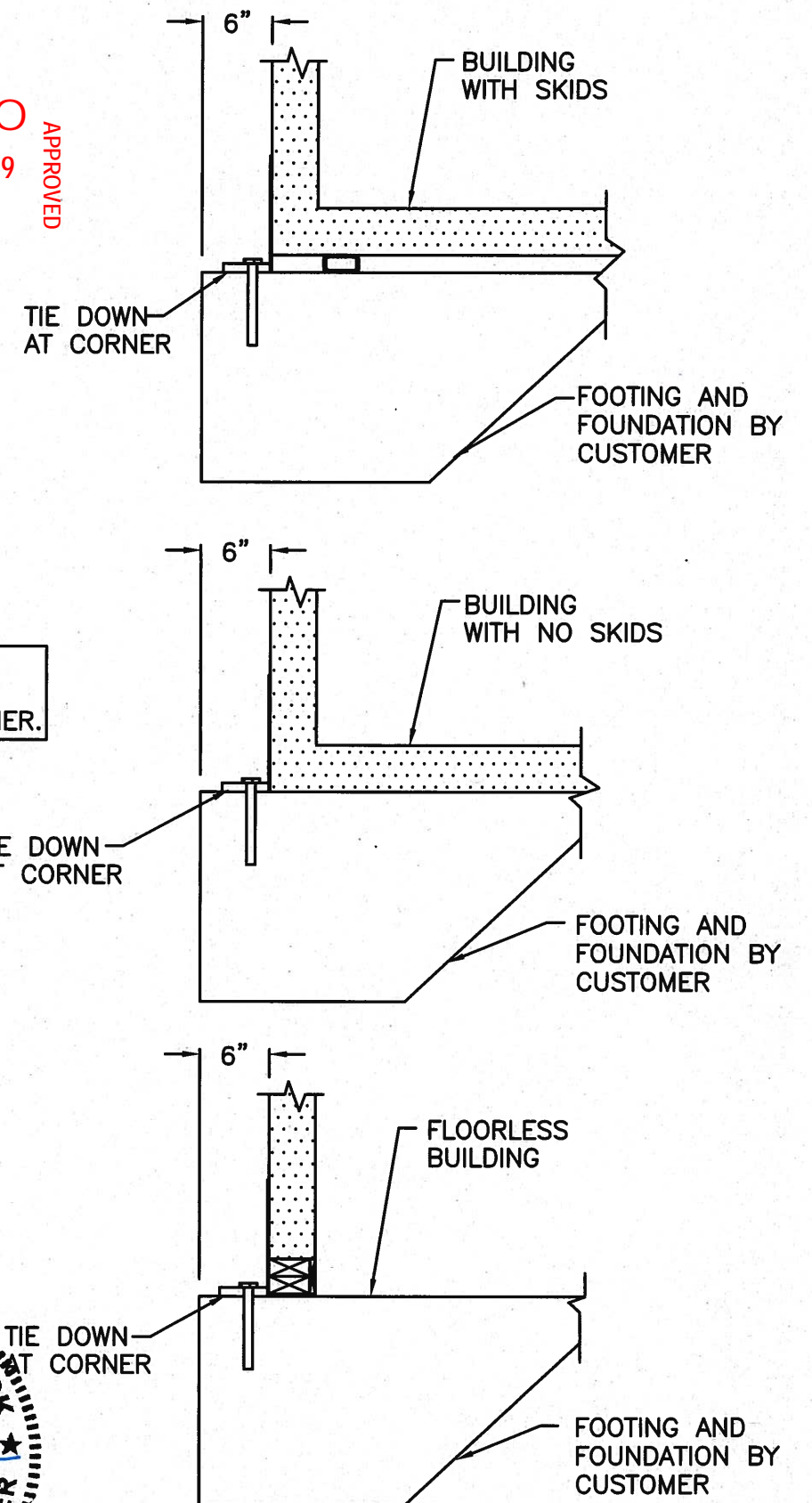



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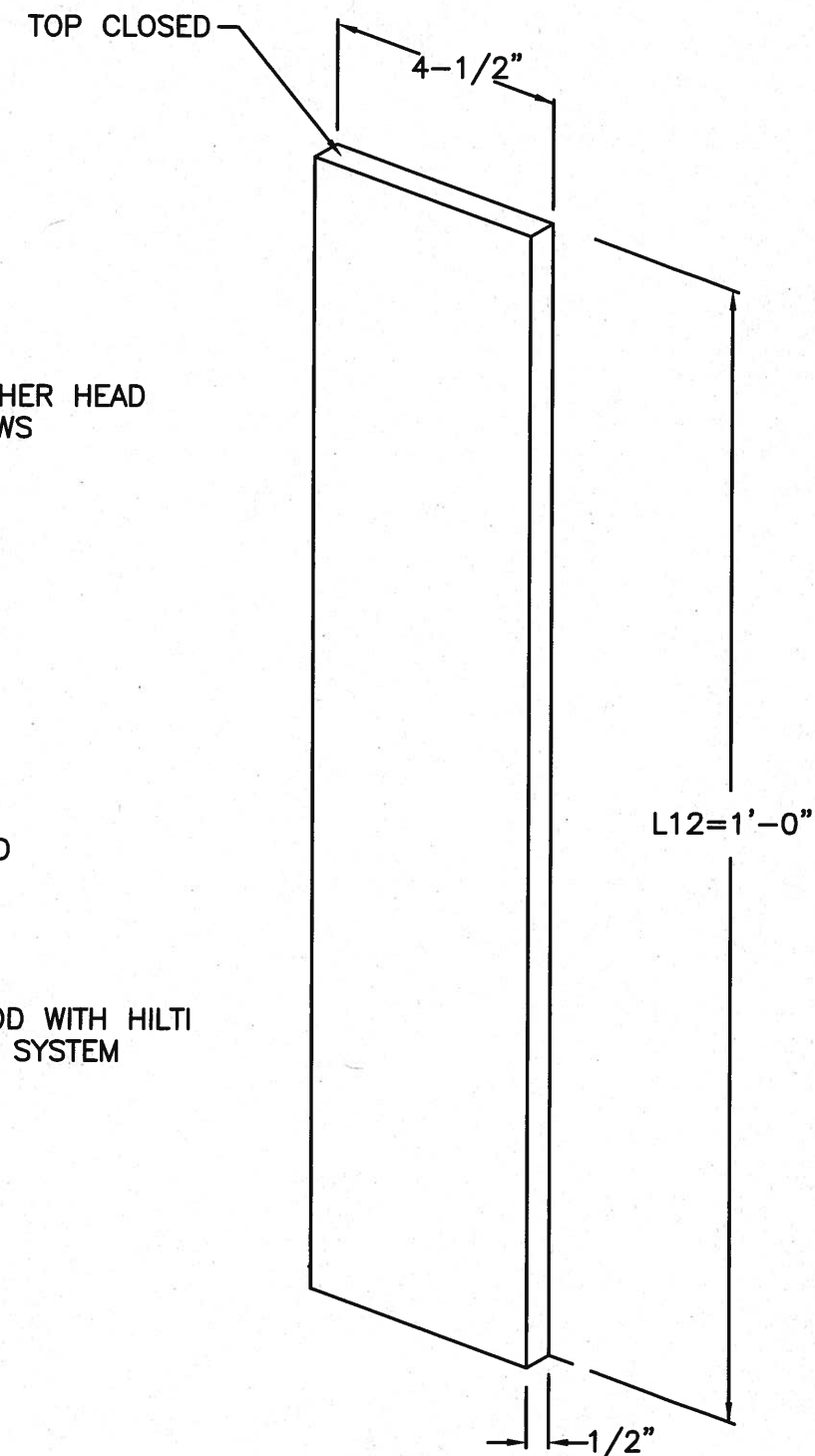
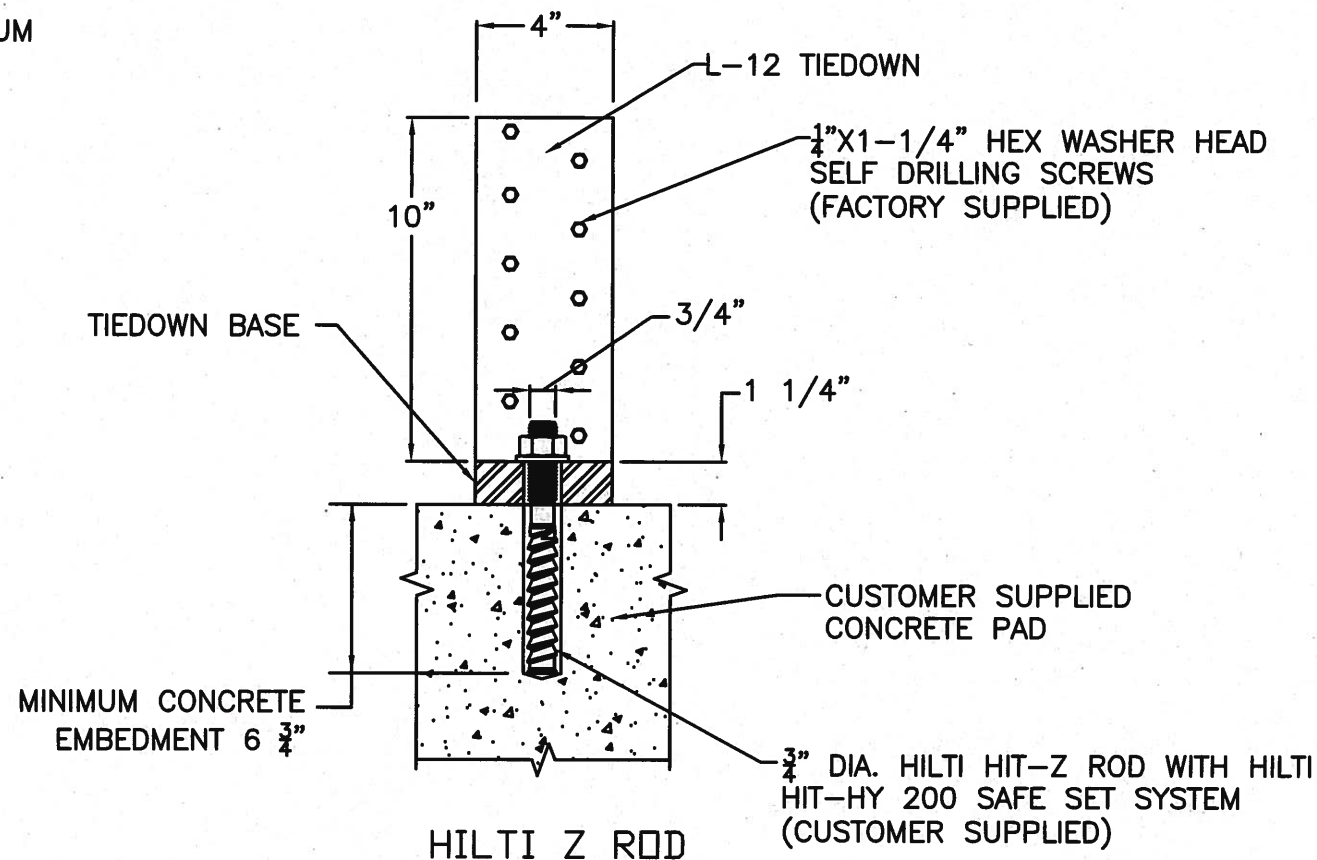
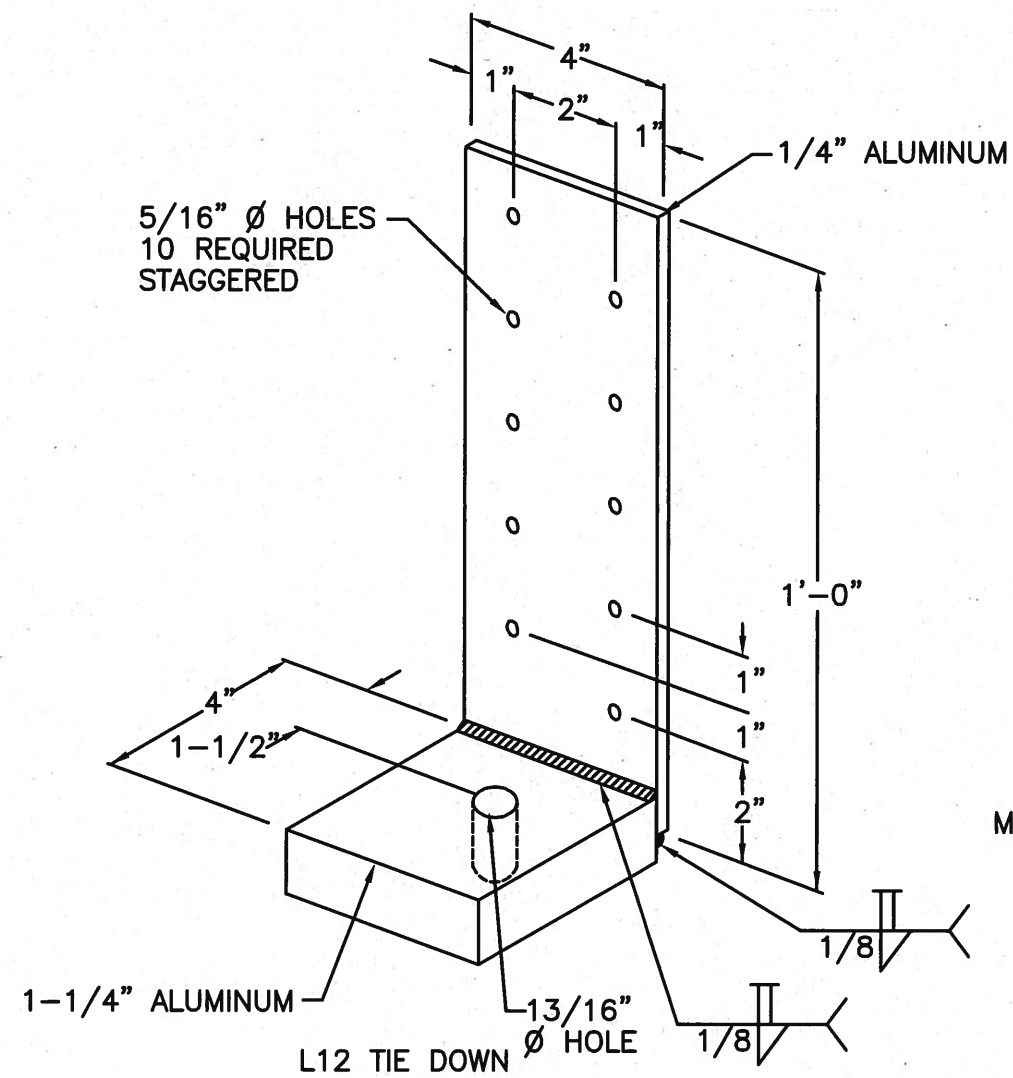
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INTERNATIONAL COLD STORAGE
15 E. 13TH STREET
ANDOVER, KANSAS 67002

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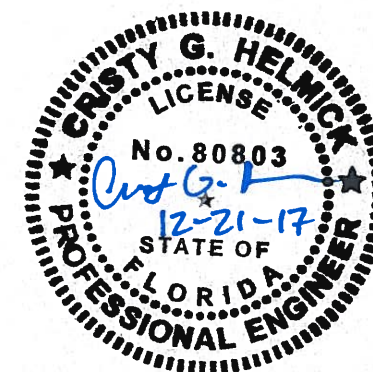
				REVISIONS	
NO.	DATE	BY	DESCRIPTION		
			FOUNDATION PLANS		
			MARCH 2012	CMT	DWG# FL10-95109



NOTES:

1. TIE DOWN ADEQUATELY RESISTS OVERTURNING, UPLIFT AND SLIDING LOADS DUE TO LOADS CONFORMING TO ASCE 7-10.
2. FOUR MINIMUM TIE DOWNS REQUIRED PER BUILDING. INSTALL AT CORNERS OF EACH END WALL. SEE TABLES IN APPENDIX C FOR NUMBER OF REQUIRED TIEDOWNS.
3. INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
4. SCREWS - 1/4"x1-1/4" HEX WASHER HEAD, SELF DRILLING, ZINC-PLATED STEEL.
5. ANCHORS:
 3/4" diameter STAINLESS STEEL ADHESIVE ANCHOR, HILTI HIT-Z-R HY200.
 3/4" diameter x 8 1/2" HIT-Z-R, MINIMUM EMBEDMENT OF 6 3/4" INTO FOUNDATION.
 OR: 3/4" diameter SIMPSON SET ANCHORING ADHESIVE W/ 3/4" diameter x 8 1/2" F593 (304SS) THREADED ROD, MINIMUM EMBEDMENT OF 6 3/4" INTO FOUNDATION.
 OR: 3/4" diameter RED HEAD C6 ANCHORING ADHESIVE W/ 3/4" diameter x 8 1/2" 304SS THREADED ROD, MINIMUM EMBEDMENT OF 6 3/4" INTO FOUNDATION.
6. INSTALL COVER OVER TIE DOWN WITH 4 #6x1/2" ROUND HEAD PHILLIPS SCREWS.
7. 1/4" x 4" AND 1-1/4" x 4" ALUMINUM TO BE ALLOY 6061 OR 6063.

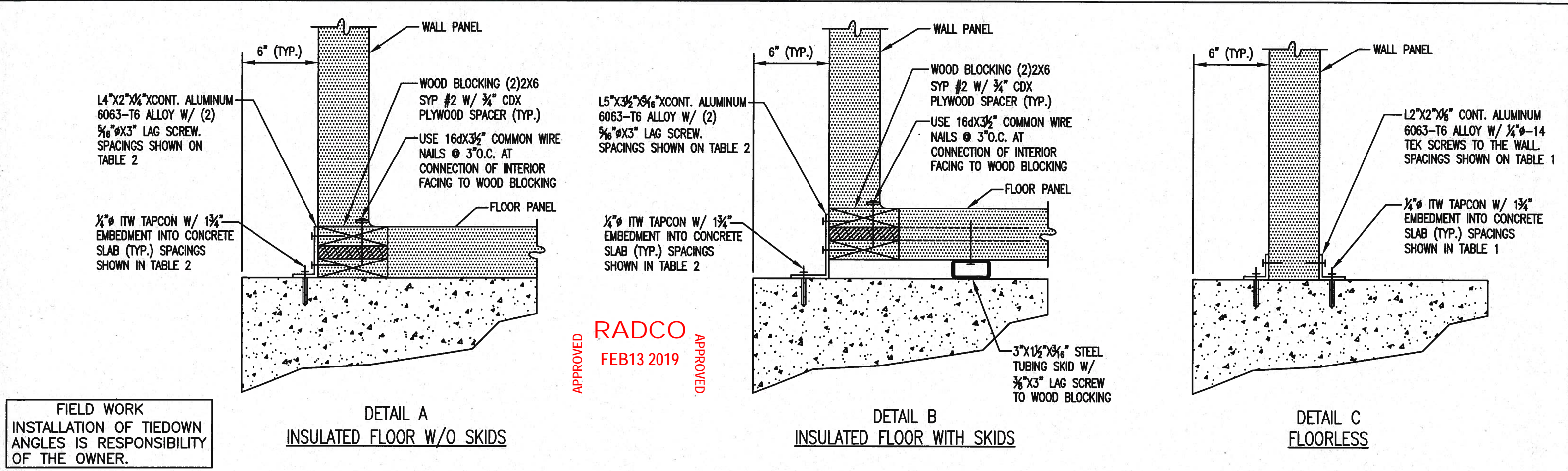
FIELD WORK
INSTALLATION OF TIEDOWN
ANGLES IS RESPONSIBILITY
OF THE OWNER.



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NO.	DATE	BY	DESCRIPTION
ICS		TIE DOWN DETAIL	
MARCH 2012	CMT	DWG#	FL10-95110



FIELD WORK
INSTALLATION OF TIEDOWN
ANGLES IS RESPONSIBILITY
OF THE OWNER.

TABLE 1 FLOORLESS UNIT TIE-DOWN ANCHORAGE				
1/4"Ø TAPCON	15" O.C.	12" O.C.	10" O.C.	8" O.C.
1/4"Ø TEK SCREW	18" O.C.	15" O.C.	12" O.C.	10" O.C.
UNIT WIDTH	ALLOWABLE UNIT LENGTHS			
10'-0"	UP TO 45'	46' TO 50'	-	-

TABLE 2 4" & 5 1/2" FLOOR TIE-DOWN ANCHORAGE		
1/4"Ø TAPCON	6" O.C.	4" O.C.
5/16"Ø LAG BOLT	18" O.C.	18" O.C.
UNIT WIDTH	ALLOWABLE UNIT LENGTHS	
10'-0"	UP TO 50'	-

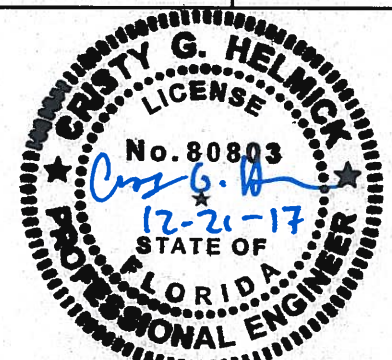
NOTES:

- 1 TIE DOWN ADEQUATELY RESISTS OVERTURNING, UPLIFT AND SLIDING LOADS DUE TO LOADS CONFORMING TO ASCE 7-10.
- 2 INSTALL EXPANSION ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
- 3 SCREWS - 1/4"x1-1/4" HEX WASHER HEAD, SELF DRILLING, ZINC-PLATED STEEL.
- 4 ANCHORS:
3/4" Ø STAINLESS STEEL ADHESIVE ANCHOR (HILTI HVA ANCHOR WITH HEA)
3/4" x 6 5/8" ADHESIVE CAPSULE AND HAS SS34-958 ANCHOR ROD ASSEMBLY.

*NOTES:

1. LOADS SHOWN ARE NET UPLIFT FORCES DUE TO WIND PRESSURE.
2. FOUNDATION SHALL BE DESIGNED TO RESIST OVERTURNING AND UPLIFT FORCES WITH SAFETY FACTOR = 1.5.
3. DEAD AND LIVE LOADS SHALL BE BASED UPON LOADS SPECIFIED IN THE GENERAL NOTES.
4. CONCRETE TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS.

TABLE 3 FOUNDATION LOAD TABLE * (PLF)			
6' TO 7'	8' TO 9'	10' TO 11'	12' TO 14'
790	940	1120	1265



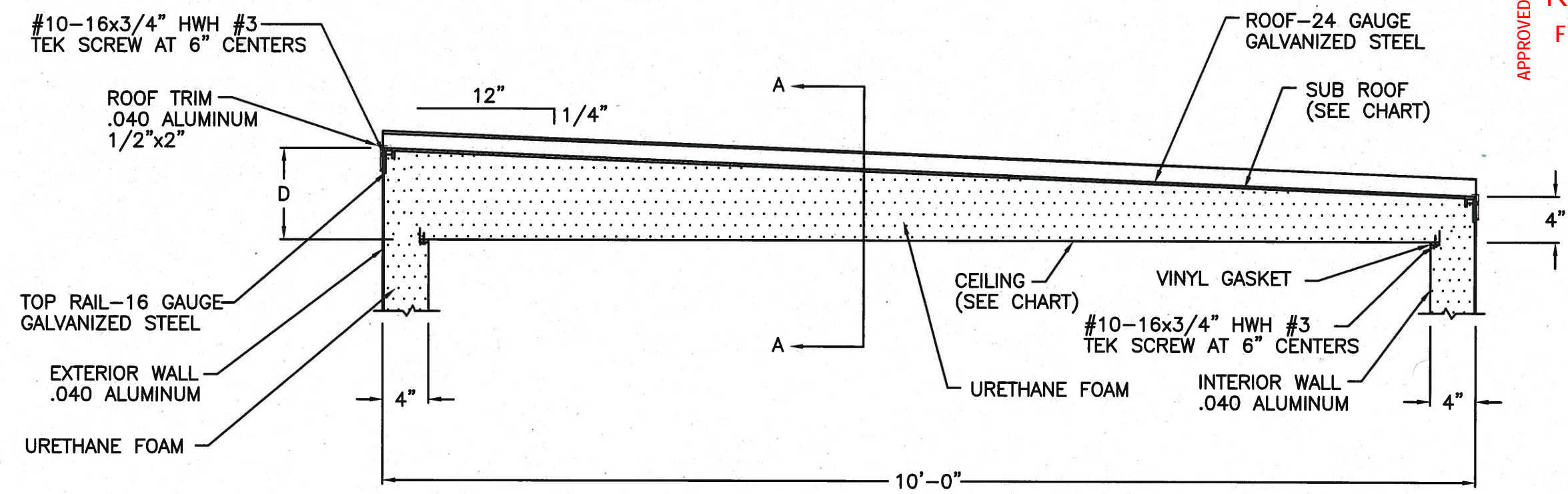
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215 E. 13TH STREET
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NO.	DATE	BY	DESCRIPTION
TIE DOWN DETAILS			
MARCH 2012		CMT	DWG# FL10-95110-1

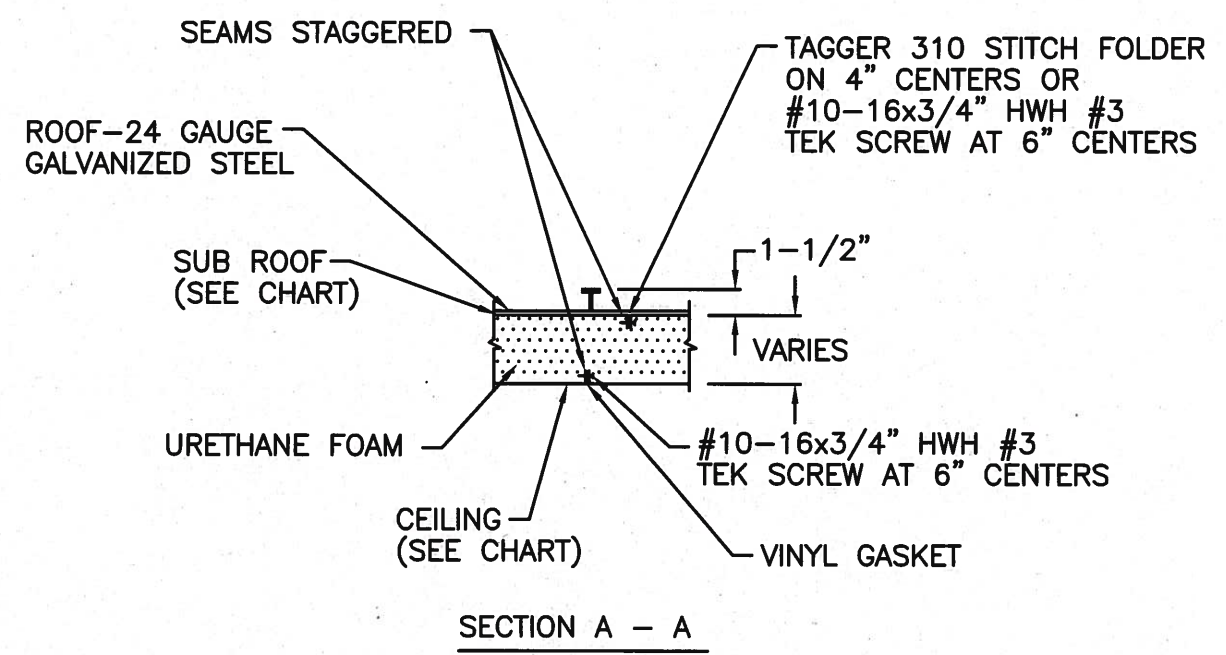
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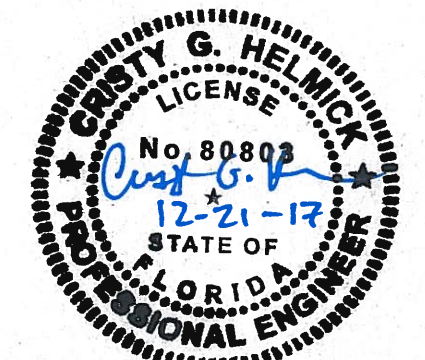
ALLOWABLE UNIFORM ROOF LOAD SCHEDULE

UNIT WIDTH	SUB ROOF METAL	CEILING METAL	D	ALLOWABLE LOADS W/O COND. UNIT*	ALLOWABLE LOADS WITH COND. UNIT**	ALLOWABLE LOADS WITH COND. UNIT***
10'	24 GA GALV./ .040 ALUM.	.040 ALUM.	6.5"	51.9 PSF	39.9 PSF	41.3 PSF

ALLOWABLE LOADS ALL CONTAIN A SAFETY FACTOR OF 2.0
* CONDENSING UNIT MAY BE USED WITH THESE VALUES IF IT IS INSTALLED OVER AN INTERIOR WALL.
** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT THE MID SPAN.
*** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT 3'-4" FROM ONE END OF PANEL.



NOTE:
ALLOWABLE LOADS ARE BASED ON PANEL SEAMS SPANNING THE 10'-0" WIDTH.



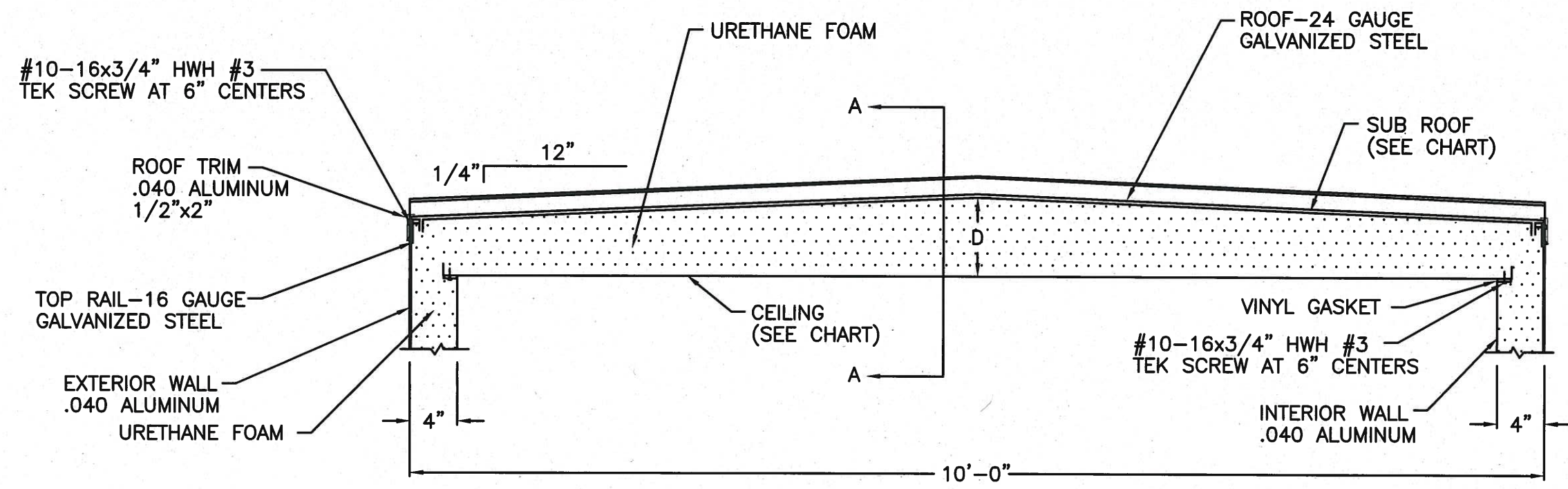
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NO.	DATE	BY	DESCRIPTION
ONE WAY ROOF			
MARCH 2012		CMT	DWG# FL10-95111

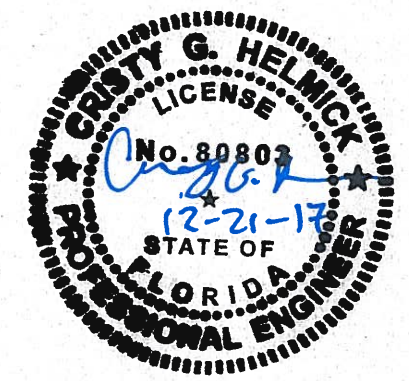
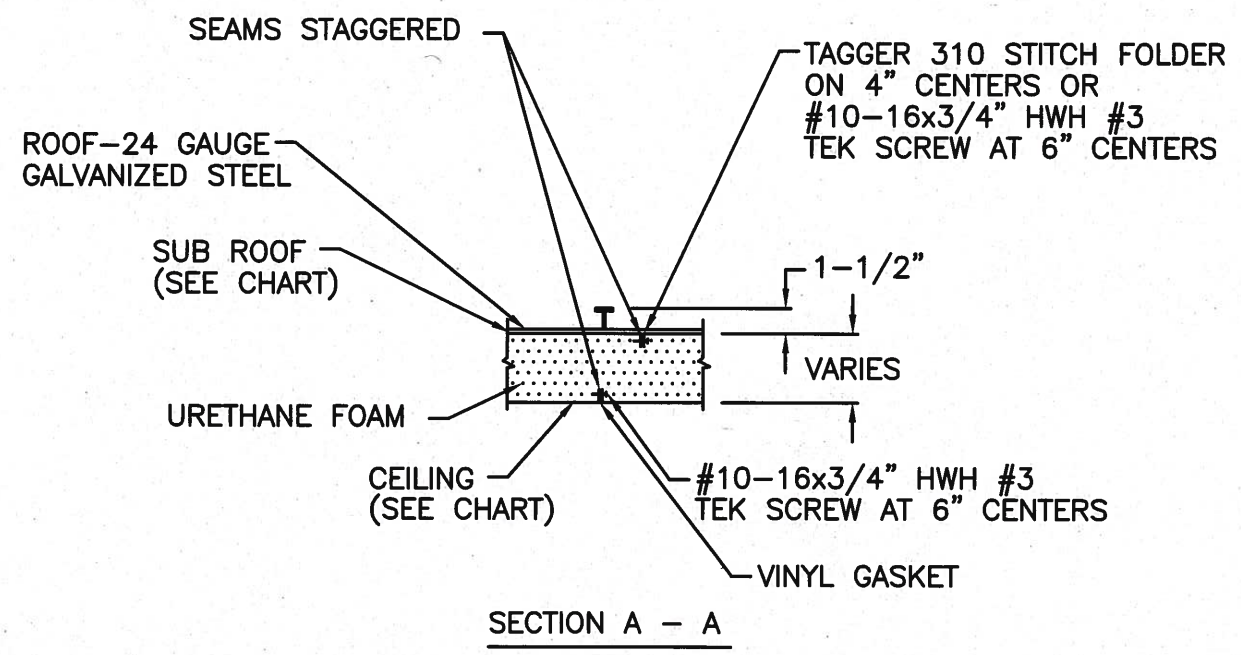
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ALLOWABLE UNIFORM ROOF LOAD SCHEDULE

UNIT WIDTH	SUB ROOF METAL	CEILING METAL	D	ALLOWABLE LOADS W/O COND. UNIT*	ALLOWABLE LOADS WITH COND. UNIT**	ALLOWABLE LOADS WITH COND. UNIT***
10'	24 GA GALV./ .040 ALUM.	.040 ALUM.	5.25"	45.7 PSF	35.2 PSF	36.3 PSF

ALLOWABLE LOADS ALL CONTAIN A SAFETY FACTOR OF 2.0
* CONDENSING UNIT MAY BE USED WITH THESE VALUES IF IT IS INSTALLED OVER AN INTERIOR WALL.
** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT THE MID SPAN.
*** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT 3'-4" FROM ONE END OF PANEL.



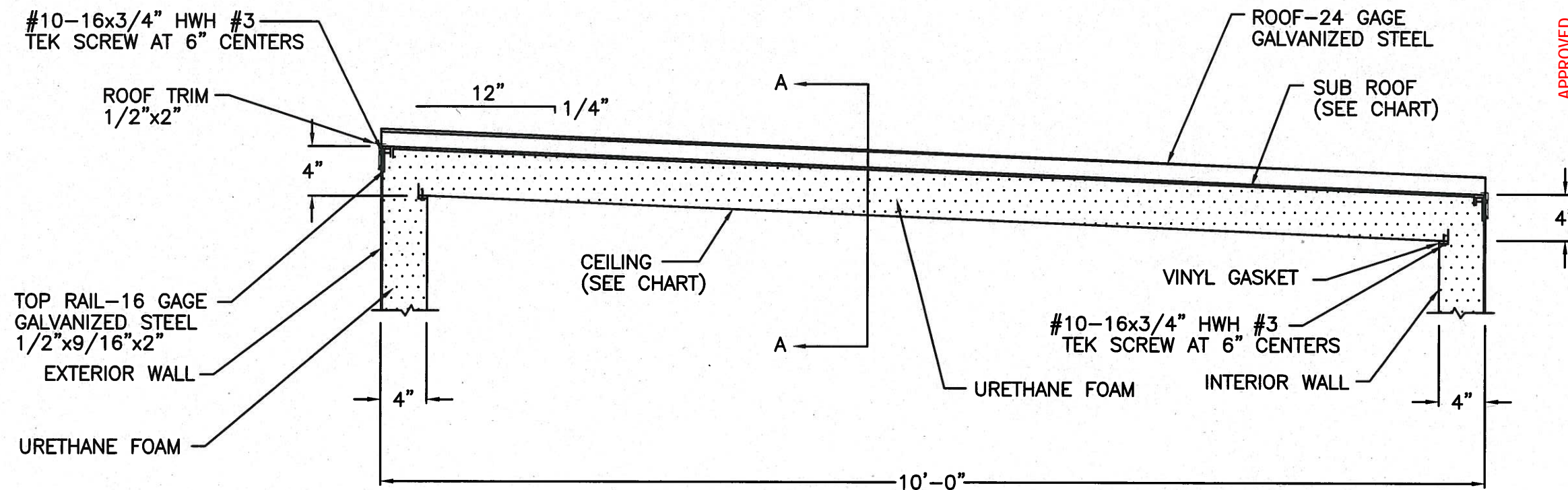
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NOTE:
ALLOWABLE LOADS ARE BASED ON PANEL SEAMS SPANNING THE 10'-0" WIDTH.

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REVISIONS			
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GABLE ROOF			
MARCH 2012 CMT DWG# FL10-95112			

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ALLOWABLE UNIFORM ROOF LOAD SCHEDULE

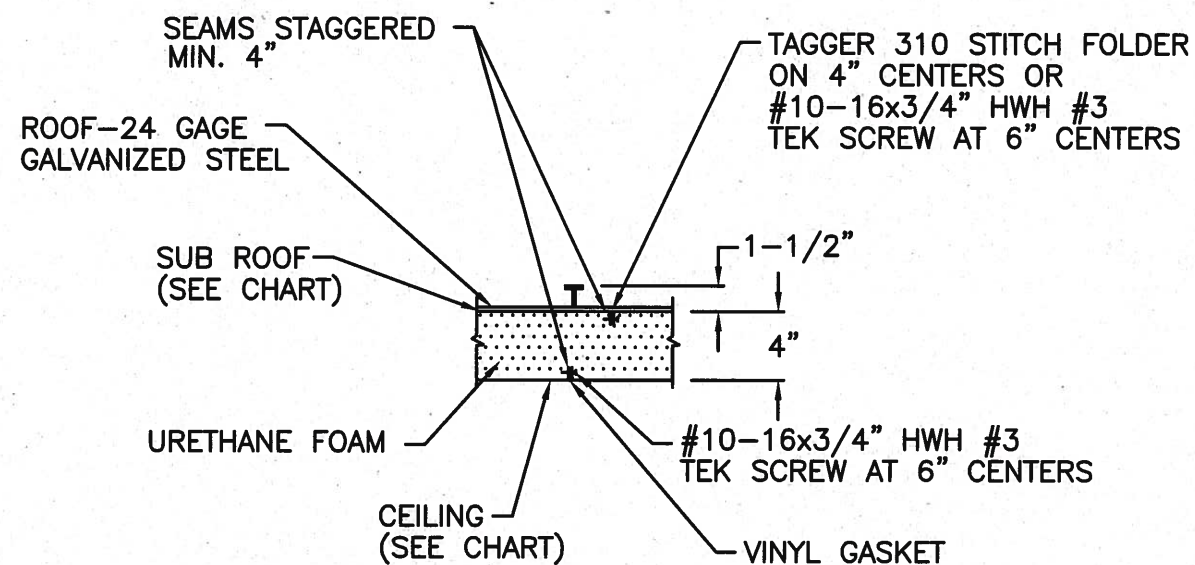
UNIT WIDTH	SUB ROOF METAL	CEILING METAL	ALLOWABLE LOADS W/O COND. UNIT*	ALLOWABLE LOADS WITH COND. UNIT**	ALLOWABLE LOADS WITH COND. UNIT***
10'	24 GA GALV./0.040 ALUM.	0.040 ALUM.	38.6 PSF	28.7 PSF	30.5 PSF

ALLOWABLE LOADS ALL CONTAIN A SAFETY FACTOR OF 2.0

* CONDENSING UNIT MAY BE USED WITH THESE VALUES IF IT IS INSTALLED OVER AN INTERIOR WALL.

** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT THE MID SPAN.

*** THESE VALUES ARE BASED ON A 300 POUND POINT LOAD LOCATED AT 3'-4" FROM ONE END OF PANEL.



SECTION A - A

NOTES:

1. ALLOWABLE LOADS ARE BASED ON PANEL SEAMS SPANNING THE 10'-0" WIDTH.
2. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS/CEILING AND 24 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS/CEILING AND 22 GAGE STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .040 AND .040 ALUMINUM WALLS/CEILING.



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215 E. 13TH STREET
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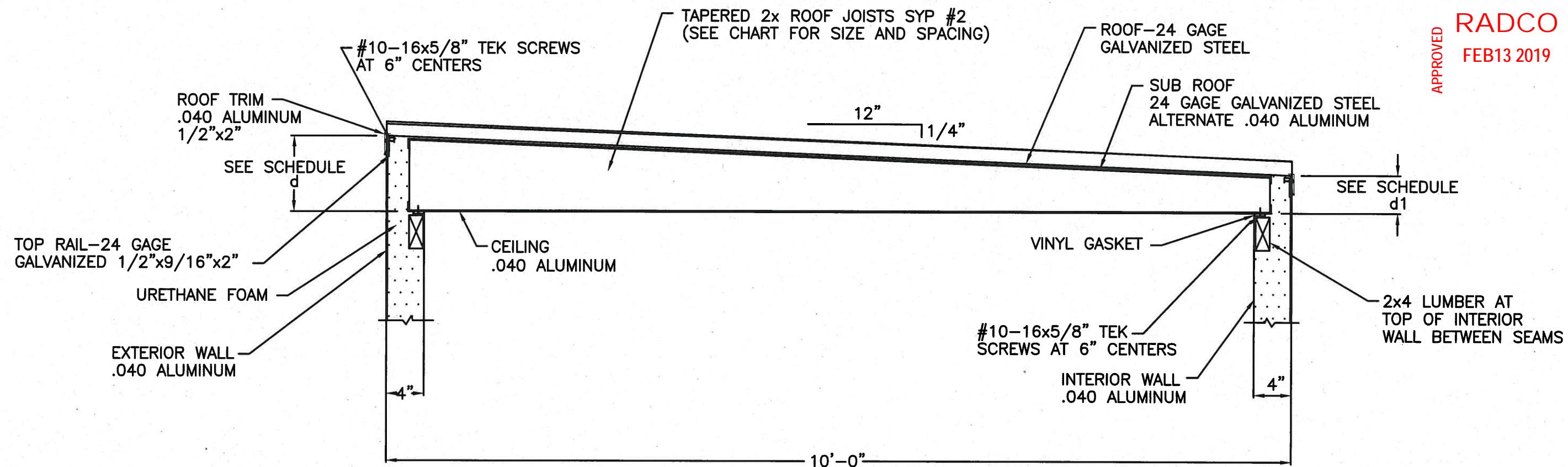
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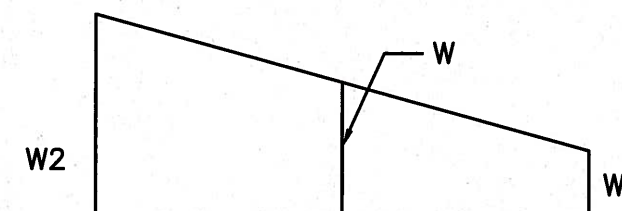
4" THICK ONE WAY
CATHEDRAL ROOF

MARCH 2012	CMT	DWG# FL10-95113
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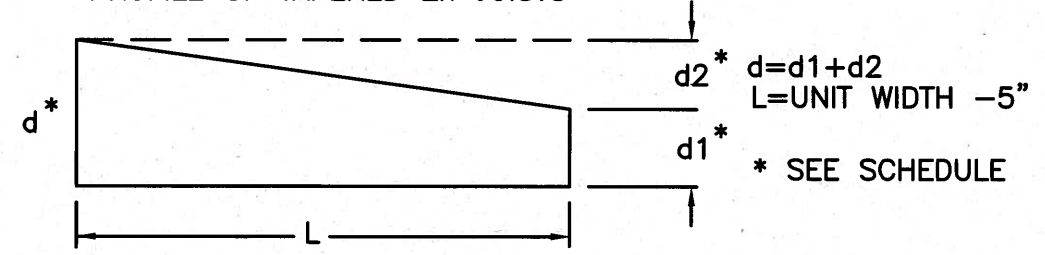


SNOW LOAD DRIFTING DIAGRAM



EQUIVALENT UNIFORM LIVE LOAD $\Rightarrow W = \frac{W1+W2}{2}$
 \leq ALLOWABLE UNIFORM LIVE LOAD (PSF)

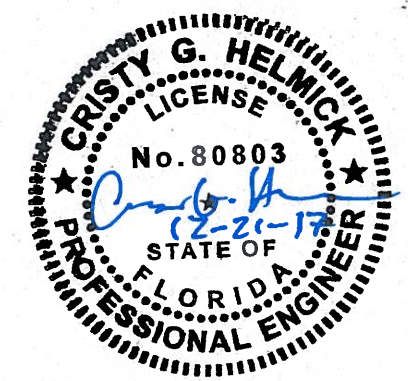
PROFILE OF TAPERED 2x JOISTS



ALLOWABLE UNIFORM ROOF LOAD SCHEDULE

UNIT WIDTH	L (IN)	d1 (IN)	d2 (IN)	d (IN)	SELECTED MEMBER	REINFORCING ROOF JOISTS AT:				
						6" CTRS	9" CTRS	12" CTRS	16" CTRS	24" CTRS
10'	115	5.50	2.50	8.00	2x10	341 PSF	282 PSF	252 PSF	229 PSF	206 PSF

ALL ALLOWABLE LOADS ARE BASED ON COMPOSITE ANALYSIS AND CONTAIN A SAFETY FACTOR OF 2.



NOTES:

1. TAPERED LUMBER SHALL HAVE NO LOOSE KNOTS WITHIN 2" OF SAWN EDGE AND NO KNOTS LARGER THAN 1-1/2" DIAMETER WITHIN 1" OF SAWN EDGE.
2. MAXIMUM SPACING TO FIRST ROOF JOIST FROM INSIDE FACE OF PARALLEL WALL NOT TO EXCEED JOIST SPACING AT SCHEDULE.
3. LOAD VALUES GIVEN DO NOT ACCOUNT FOR THE CONDENSING UNIT WEIGHT, CONDENSING UNIT MUST BE INSTALLED OVER DUAL TEMP. WALLS OR INSTALLED WITH INDEPENDENT SUPPORTS.
4. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 24 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE GALVALUME OR STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .0400 ALUMINUM CEILING.

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REVISIONS			
NO.	DATE	BY	DESCRIPTION
ONE WAY REINFORCED ROOF			
MARCH 2012		CMT	JVG# FL10-95114



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$$\text{EQUIVALENT UNIFORM LIVE LOAD} \Rightarrow W = \frac{W_1 + W_2}{2}$$

$$\leq \text{ALLOWABLE UNIFORM LIVE LOAD (PSF)}$$


1. TAPERED LUMBER SHALL HAVE NO LOOSE KNOTS WITHIN 2" OF SAWN EDGE AND NO KNOTS LARGER THAN 1-1/2" DIAMETER WITHIN 1" OF SAWN EDGE.
2. MAXIMUM SPACING TO FIRST ROOF JOIST FROM INSIDE FACE OF PARALLEL WALL NOT TO EXCEED JOIST SPACING AT SCHEDULE.
3. LOAD VALUES GIVEN DO NOT ACCOUNT FOR THE CONDENSING UNIT WEIGHT, CONDENSING UNIT MUST BE INSTALLED OVER DUAL TEMP. WALLS OR INSTALLED WITH INDEPENDENT SUPPORTS.
4. 22 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 24 GAGE GALVALUME MAY BE SUBSTITUTED FOR THE .040 ALUMINUM WALLS AND 22 GAGE GALVALUME OR STAINLESS STEEL MAY BE SUBSTITUTED FOR THE .0400 ALUMINUM CEILING.

UNIT WIDTH	L (IN)	d1 (IN)	d2 (IN)	d (IN)	SELECTED MEMBER	REINFORCING ROOF JOISTS AT:			
						9" CTRS	12" CTRS	16" CTRS	24" CTRS
10'	115	5.50	1.25	6.75	2x8	277 PSF	221 PSF	202 PSF	183 PSF


A circular professional engineer seal for Cristy G. Helmick, State of Florida. The seal features the text "CRISTY G. HELMICK" at the top, "LICENSE" below it, "No. 80803" in the center, and "12-21-17" below the number. The words "PROFESSIONAL ENGINEER" and "STATE OF FLORIDA" are also visible. The seal is surrounded by a dotted border.



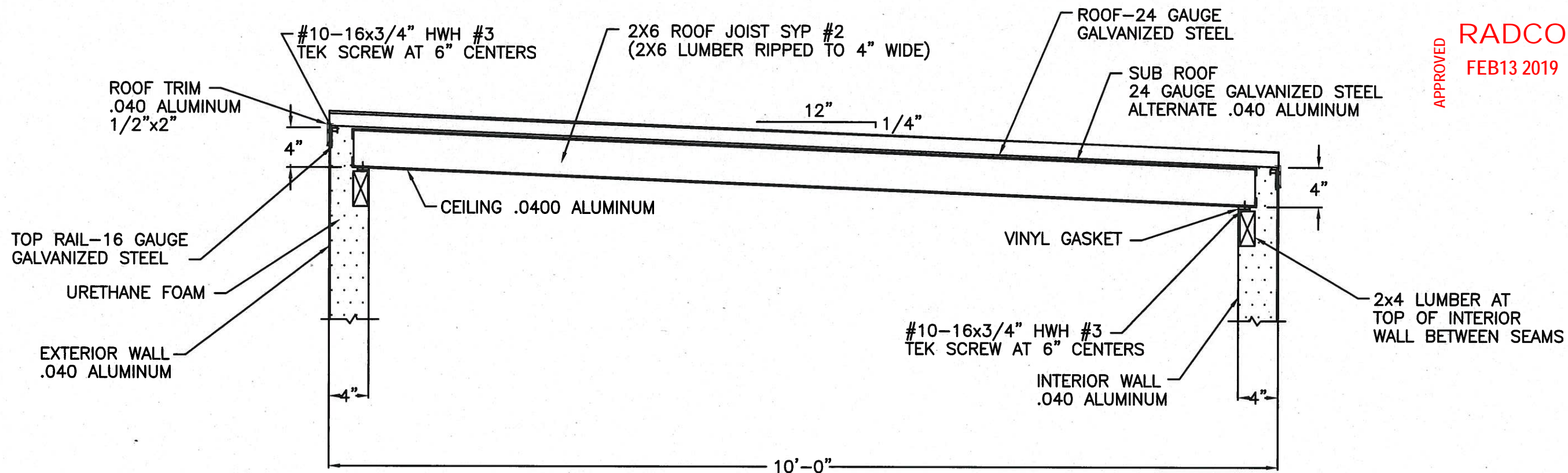
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
		GABLE REINFORCED ROOF	
		MARCH 2012	CMT DWG# FL10-95115

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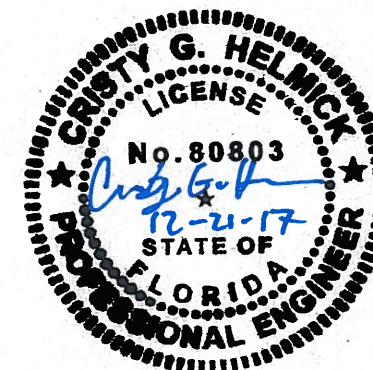
ALLOWABLE UNIFORM ROOF LOAD SCHEDULE

BUILDING WIDTH	L (IN)	SELECTED MEMBER	REINFORCING ROOF JOISTS AT:			
			24' CTRS.	16' CTRS.	12' CTRS.	9' CTRS.
10 FT	115	2X6 RIPPED - 4'	85 PSF	90 PSF	96 PSF	103 PSF

ALL ALLOWABLE LOADS ARE BASED ON COMPOSITE ANALYSIS AND CONTAIN A SAFETY FACTOR OF 2.

NOTES:

- LUMBER SHALL HAVE NO LOOSE KNOTS WITHIN 2" OF SAWN EDGE AND NO KNOTS LARGER THAN 1-1/2" DIAMETER WITHIN 1" OF SAWN EDGE.
- MAXIMUM SPACING TO FIRST ROOF JOIST FROM INSIDE FACE OF PARALLEL WALL NOT TO EXCEED JOIST SPACING AT SCHEDULE.
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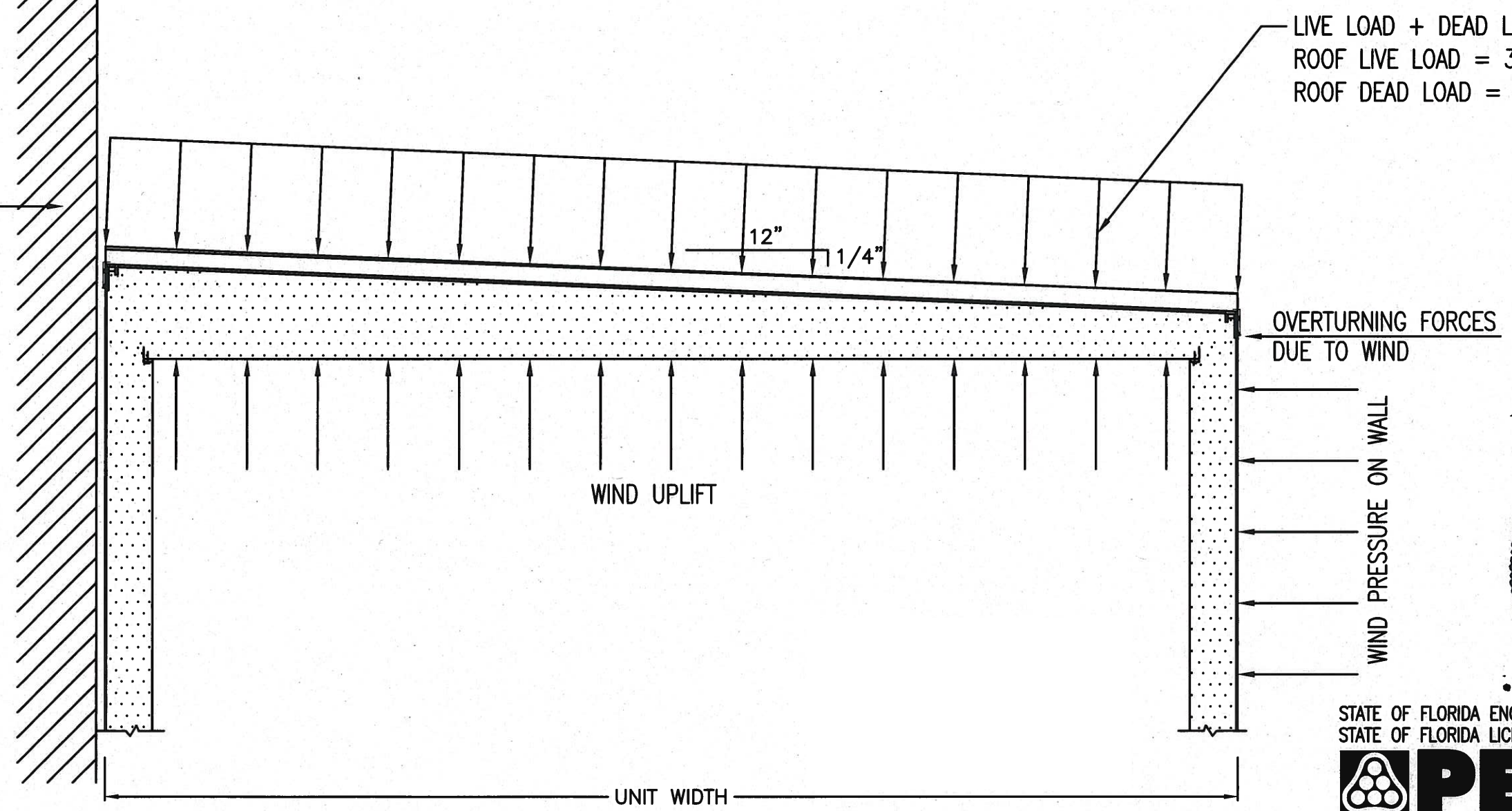
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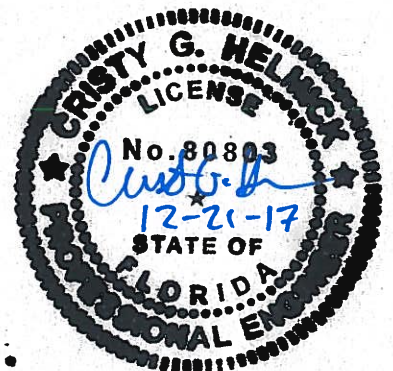
REVISIONS			
NO.	DATE	BY	DESCRIPTION
			4" ONE WAY REINFORCED CATHEDRAL ROOF
	MARCH 2012	CMT	DVG# FL10-95116

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EXTERIOR WALL OF
EXISTING BUILDING



LIVE LOAD + DEAD LOAD
ROOF LIVE LOAD = 30 PSF (MINIMUM)
ROOF DEAD LOAD = 3 PSF (NO ROOF JOISTS)



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NOTE:
ALLOWABLE LOADS ARE BASED ON PANEL SEAMS
SPANNING THE SHORTEST DISTANCE.

INTERNATIONAL COLD STORAGE
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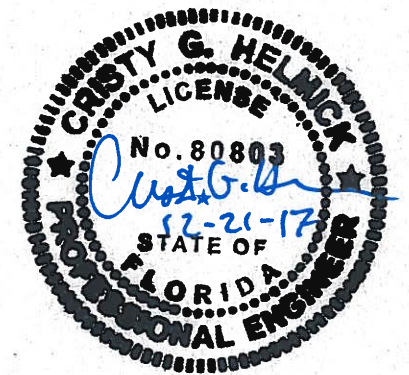
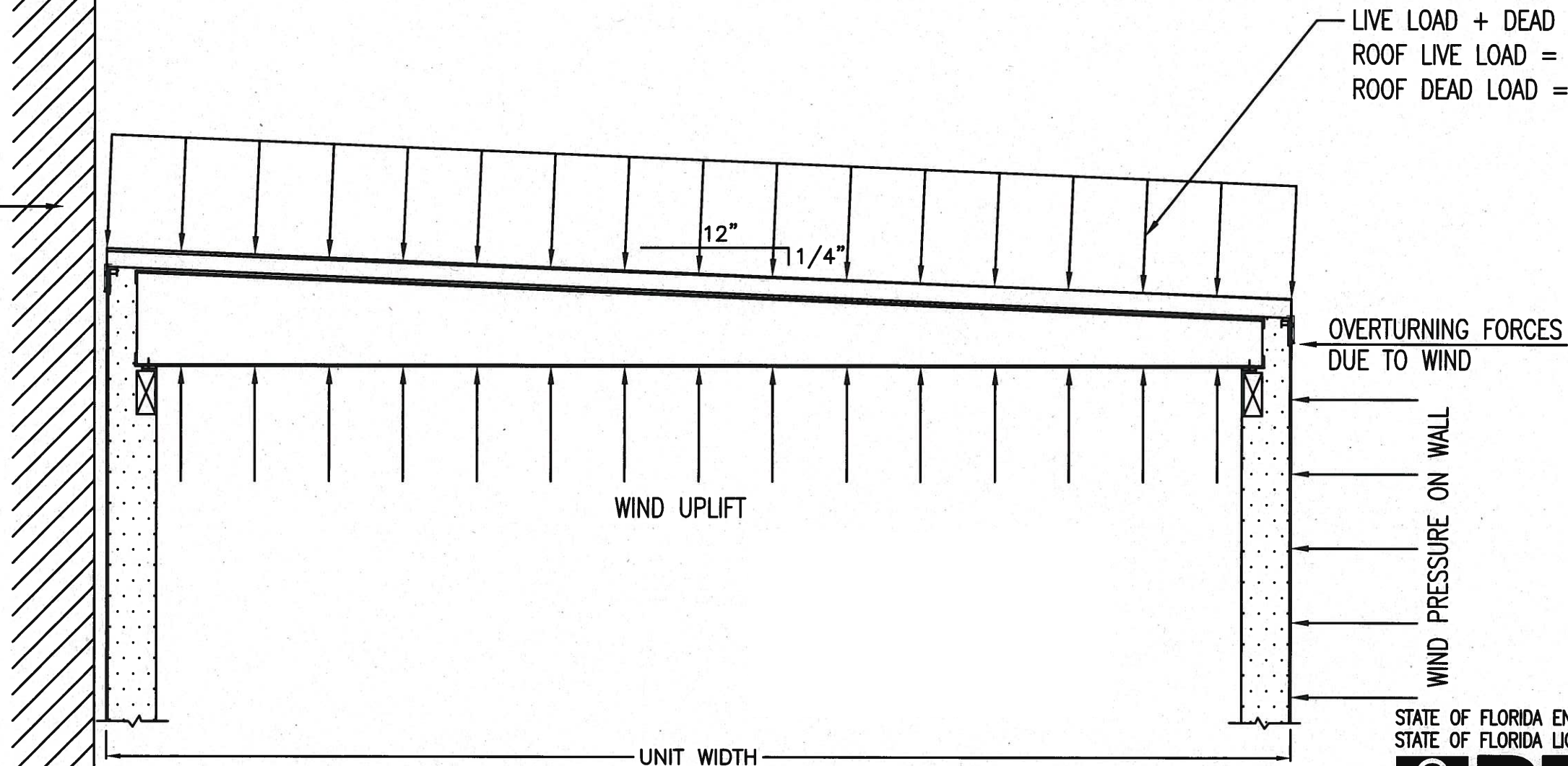
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NO.	DATE	BY	DESCRIPTION
TYPICAL LOAD DIAGRAM FOR ROOF			
FEBRUARY 2014		RH	DWG# FL-95120



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EXTERIOR WALL OF
EXISTING BUILDING



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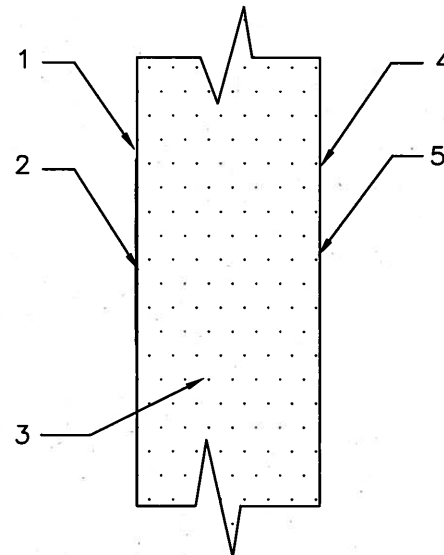
REVISIONS				DESCRIPTION
NO.	DATE	BY		
				TYPICAL LOAD DIAGRAM FOR TIMBERED ROOF
				FEBRUARY 2014 RH DWG# FL-95121

NOTE:
ALLOWABLE LOADS ARE BASED ON PANEL SEAMS
SPANNING THE SHORTEST DISTANCE.

MEAN TEMPERATURE 55 DEGREES F

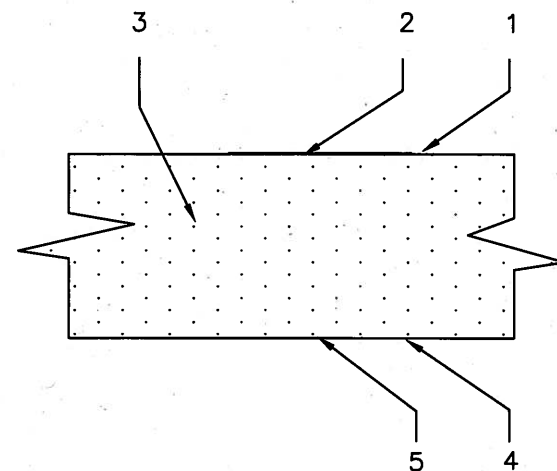
WALL

	<u>R</u>
1. O.A. FILM	.25 (7.5 MPH MOVING AIR)
2. ALUM. SKIN	.00
3. URETHANE INSULATION	28.17 4" TK K = .142
4. ALUM. SKIN	.00
5. I.A. FILM	.17 (15 MPH MOVING AIR)
R TOTAL = 28.56	
U VALUE = 1/28.56 = .0350	



ROOF

	<u>R</u>
1. O.A. FILM	.25
2. ALUM. SKIN	.00
3. URETHANE INSULATION	28.17 4" TK K = .142
4. ALUM. SKIN	.00
5. I.A. FILM	.17
R TOTAL = 28.56	
U VALUE = 1/28.56 = .0350	

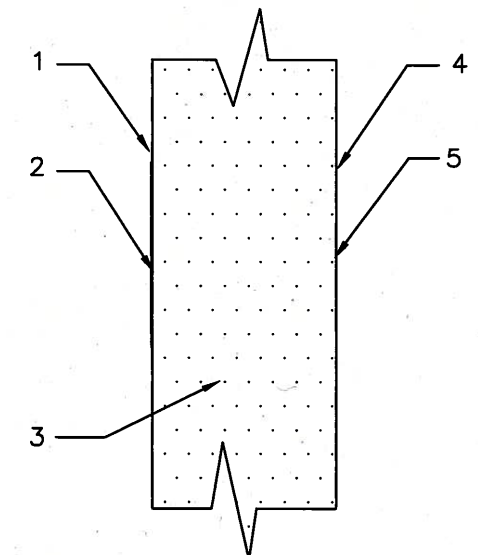


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MEAN TEMPERATURE 20 DEGREES F

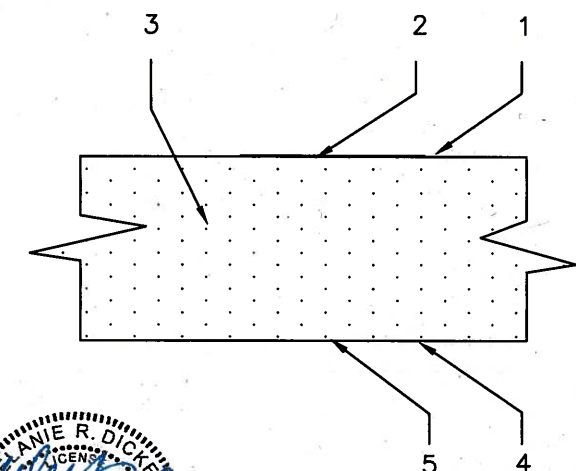
WALL

	<u>R</u>
1. O.A. FILM	.25 (7.5 MPH MOVING AIR)
2. ALUM. SKIN	.00
3. URETHANE INSULATION	32.00 4" TK K = .125
4. ALUM. SKIN	.00
5. I.A. FILM	.17 (15 MPH MOVING AIR)
R TOTAL = 32.42	
U VALUE = 1/32.42 = .0308	



ROOF

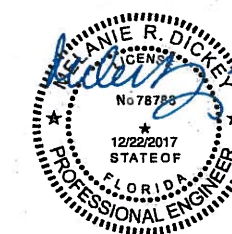
	<u>R</u>
1. O.A. FILM	.25
2. ALUM. SKIN	.00
3. URETHANE INSULATION	32.00 4" TK K = .125
4. ALUM. SKIN	.00
5. I.A. FILM	.17
R TOTAL = 32.42	
U VALUE = 1/32.42 = .0308	



VALUES DERIVED FROM:
2005 ASHRAE HANDBOOK OF FUNDAMENTALS
2009 BASF FOAM PHYSICAL TESTING

NOTES:

1. WALK-IN FREEZER/COOLERS COMPLY WITH THE ENERGY INDEPENDANCE AND SECURITY ACT OF 2007 EISA SECTION 312 WALK-IN FREEZER/COOLERS
2. ICS WALK-IN FREEZER/COOLER ARE REGISTERED WITH THE DEPARTMENT OF ENERGY COMPLIANCE R-VALUE REQUIREMENTS BASED ON THE EISA 2007 SECTION 312.



STATE OF FLORIDA ENGINEER: MELANIE R. DICKEY, PE
STATE OF FLORIDA LICENSE NUMBER: 78783

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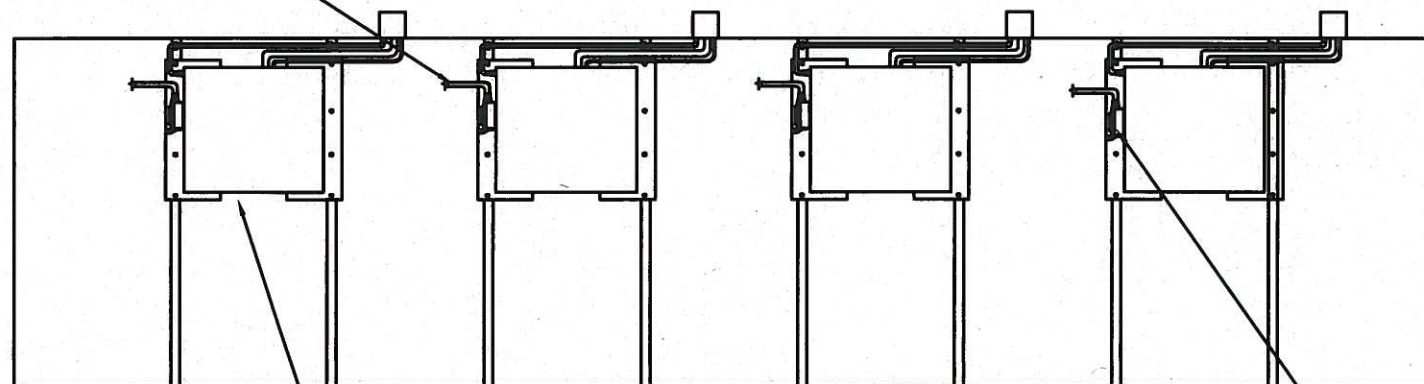
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
			4" INSULATED PANEL R-VALUE
			JULY 2009 RH DWG# CC95140

CUSTOMER FURNISHED
POWER SUPPLY

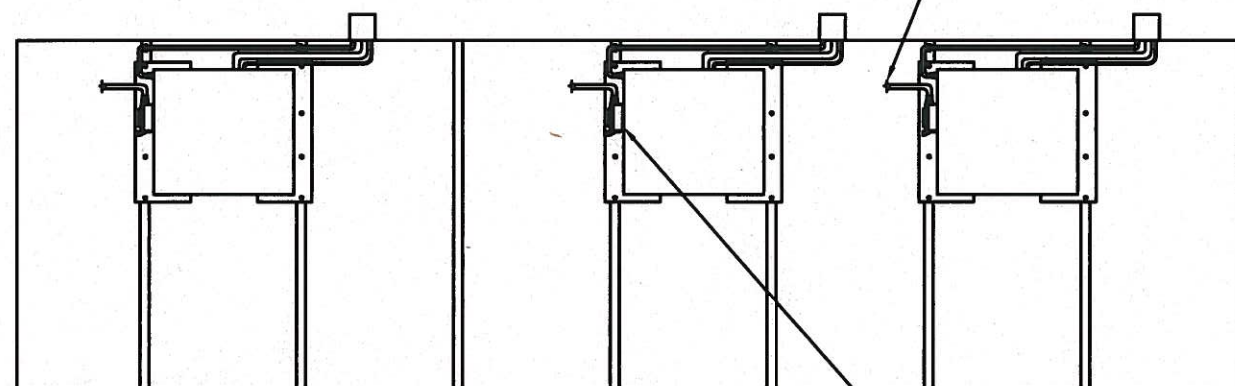
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NUMBER OF CONDENSING UNITS
DEPENDENT UPON NUMBER OF REFRIGERATED
ROOMS REQUIRED BY CUSTOMER.

CONDENSING UNITS MAIN
POWER DISCONNECT
(FACTORY INSTALLED)

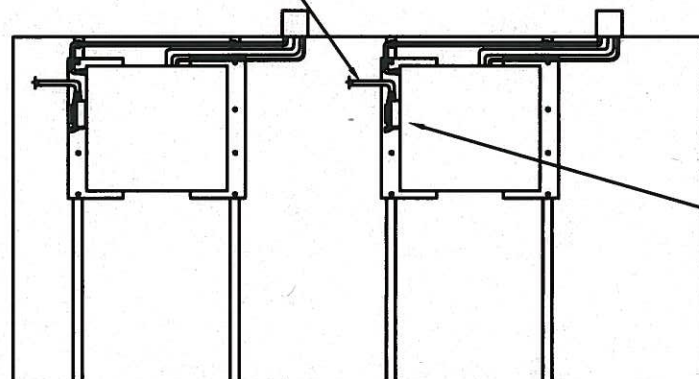
CUSTOMER FURNISHED
POWER SUPPLY



3 COMPARTMENT BUILDING

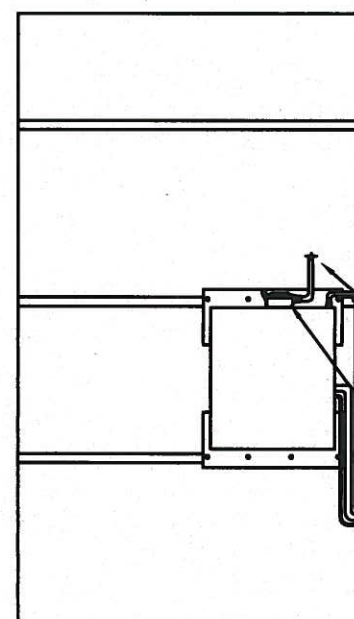
CONDENSING UNITS MAIN
POWER DISCONNECT
(FACTORY INSTALLED)

CUSTOMER FURNISHED
POWER SUPPLY



2 COMPARTMENT BUILDING

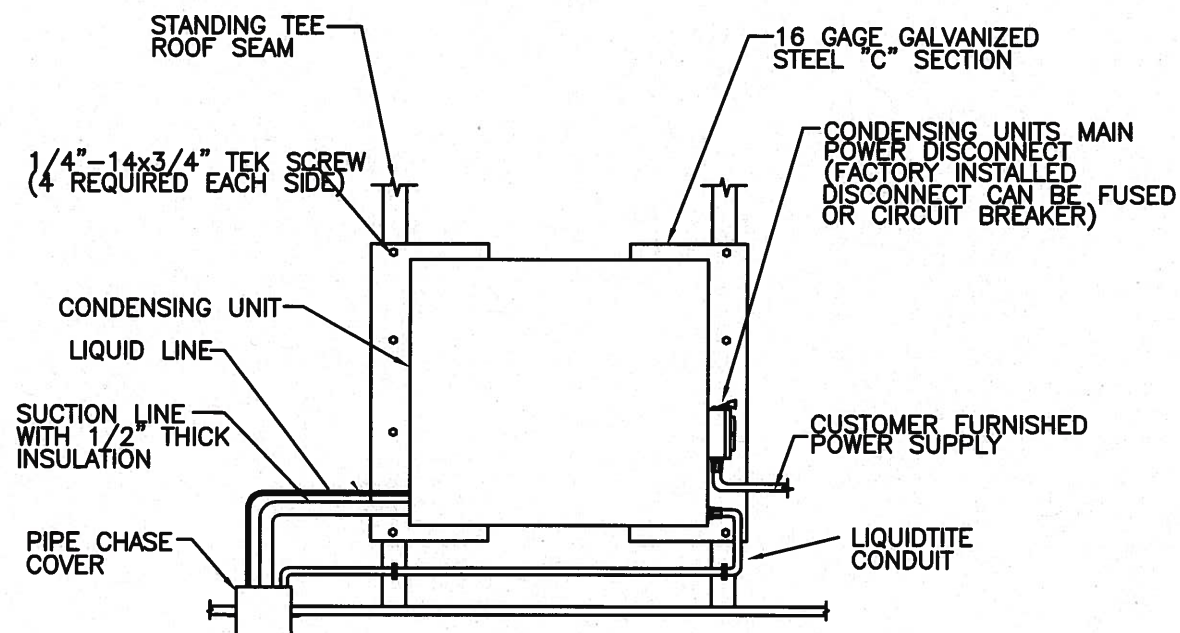
CONDENSING UNITS MAIN
POWER DISCONNECT
(FACTORY INSTALLED)



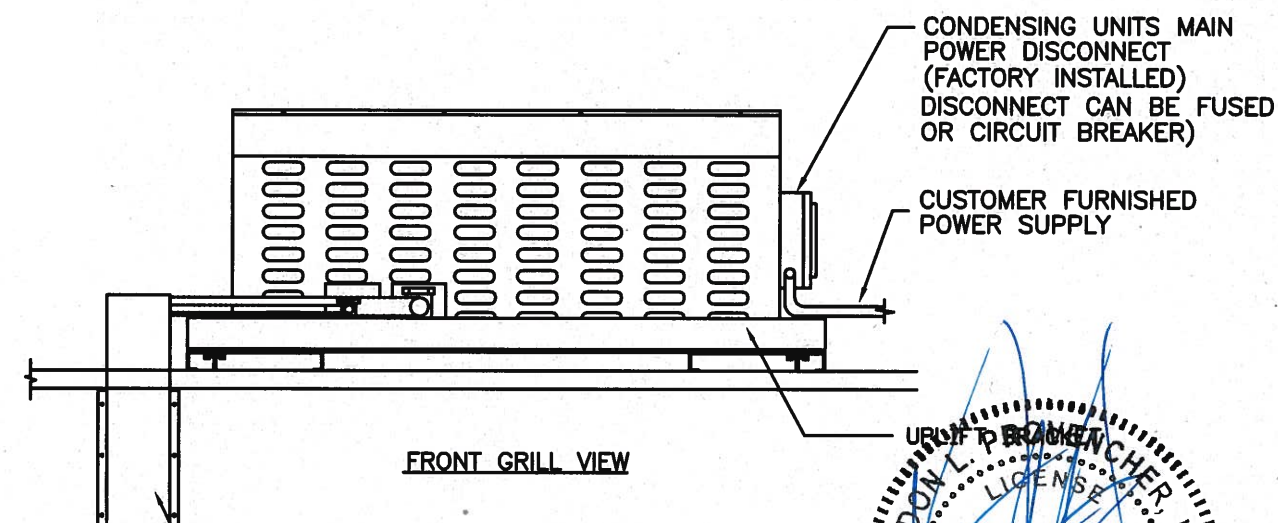
1 COMPARTMENT BUILDING

NOTES:

1. WALK-IN ELECTRICAL IS COVERED UNDER THE UL LISTED COMMERCIAL WALK-IN FILE #SA7966.
2. CONDENSING UNIT LOCATIONS MAY VARY.
3. CLAMP CONDUIT EVERY 4'.
4. EACH CONDENSING UNIT FURNISHED WITH FACTORY INSTALLED FUSED DISCONNECT SWITCH.
5. CUSTOMER IS RESPONSIBLE FOR POWER CONNECTION TO UNITS DISCONNECT SWITCH.
6. POWER CONNECTIONS ARE TO BE PERFORMED BY A QUALIFIED ELECTRICIAN.
7. ROOFTOP RECEPTACLE FOR REFRIGERATION EQUIPMENT PER (NFPA 70) IS THE RESPONSIBILITY OF THE CUSTOMER . (FIELD WORK)
8. ROOFTOP EQUIPMENT GUARDS WHERE REQUIRED ARE THE RESPONSIBILITY OF THE CUSTOMER.



TOP VIEW

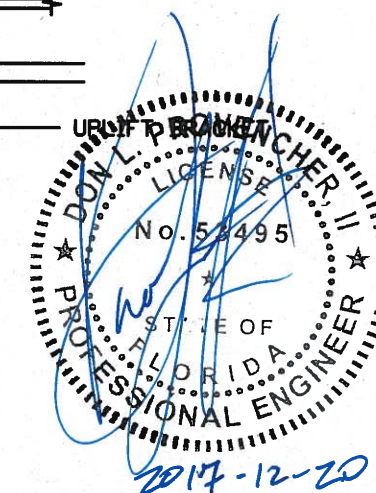


FRONT GRILL VIEW

PIPE CHASE
COVER

CUSTOMER FURNISHED
POWER SUPPLY

CONDENSING UNITS MAIN
POWER DISCONNECT
(FACTORY INSTALLED)



STATE OF FLORIDA ENGINEER: DON L. PROVENCHER, II, PE
STATE OF FLORIDA LICENSE NUMBER: PE0053495



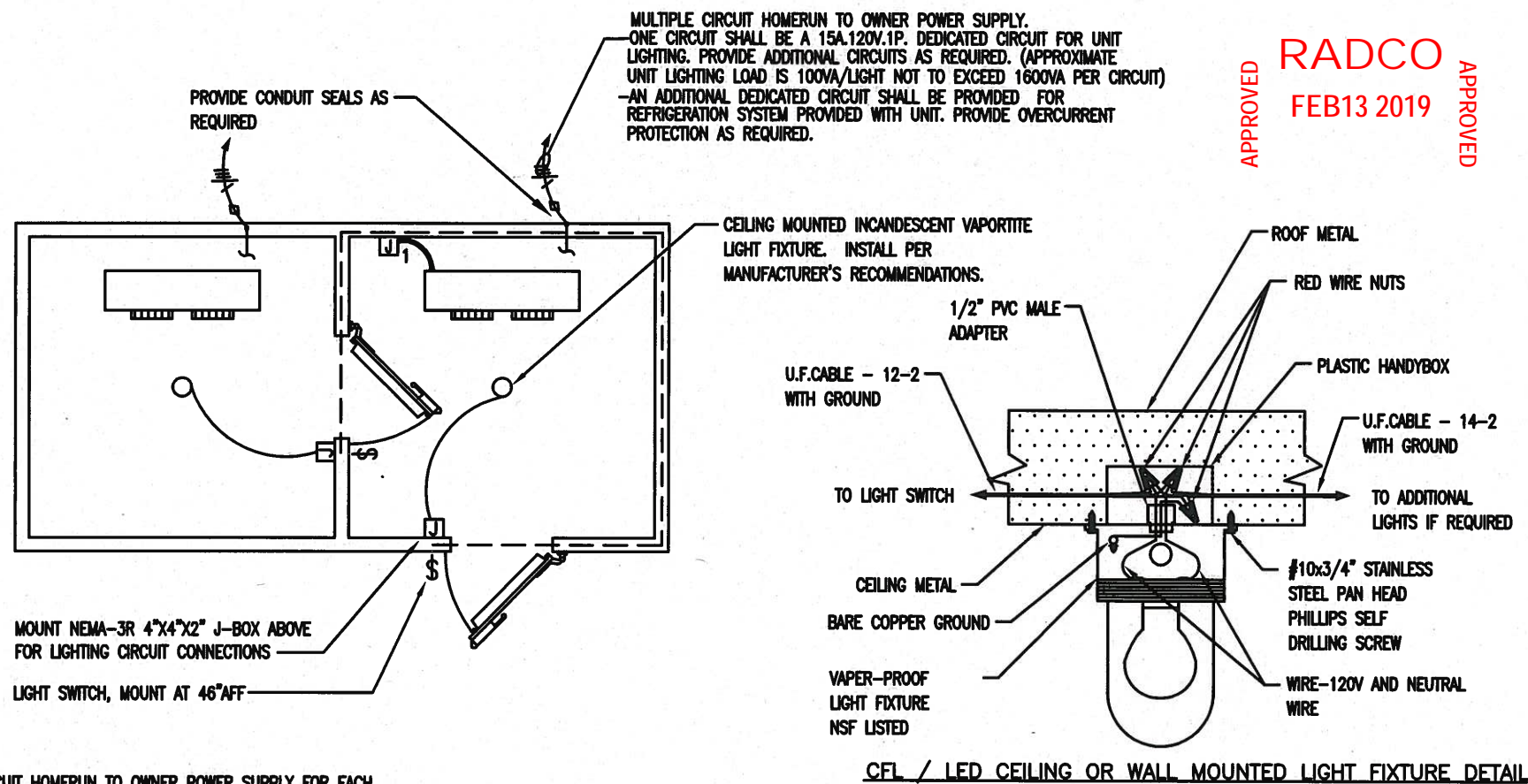
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CERTIFICATE OF AUTHORIZATION NO.: CA2633

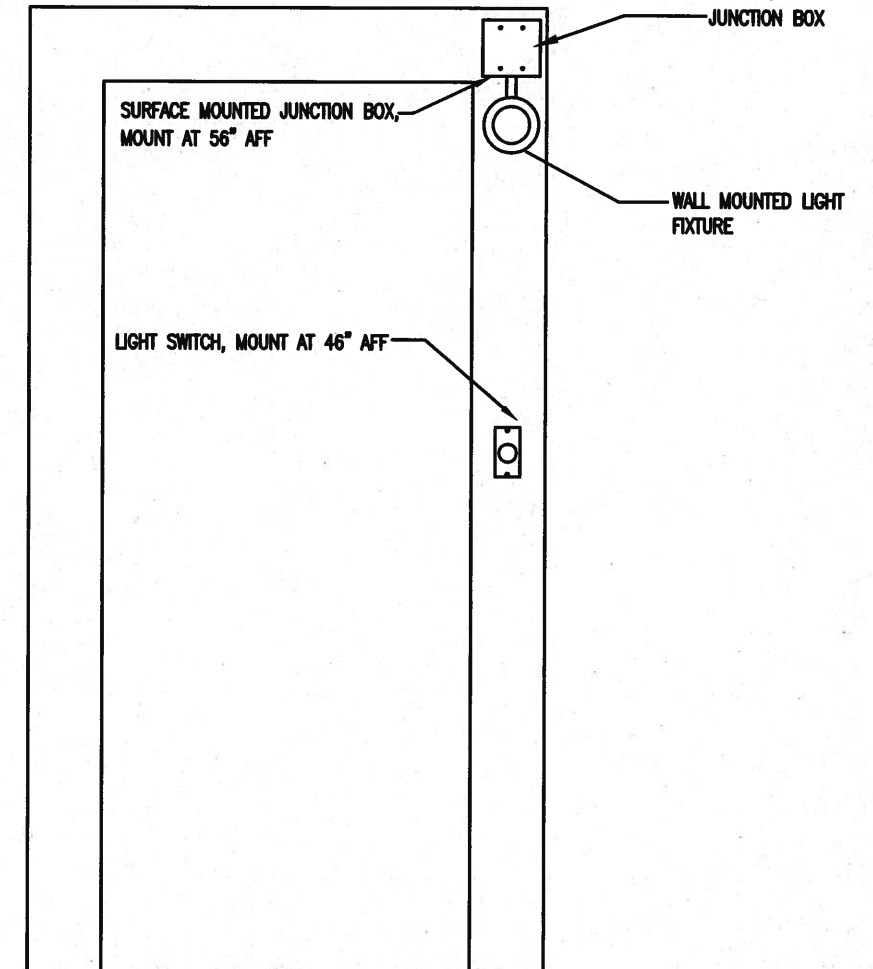
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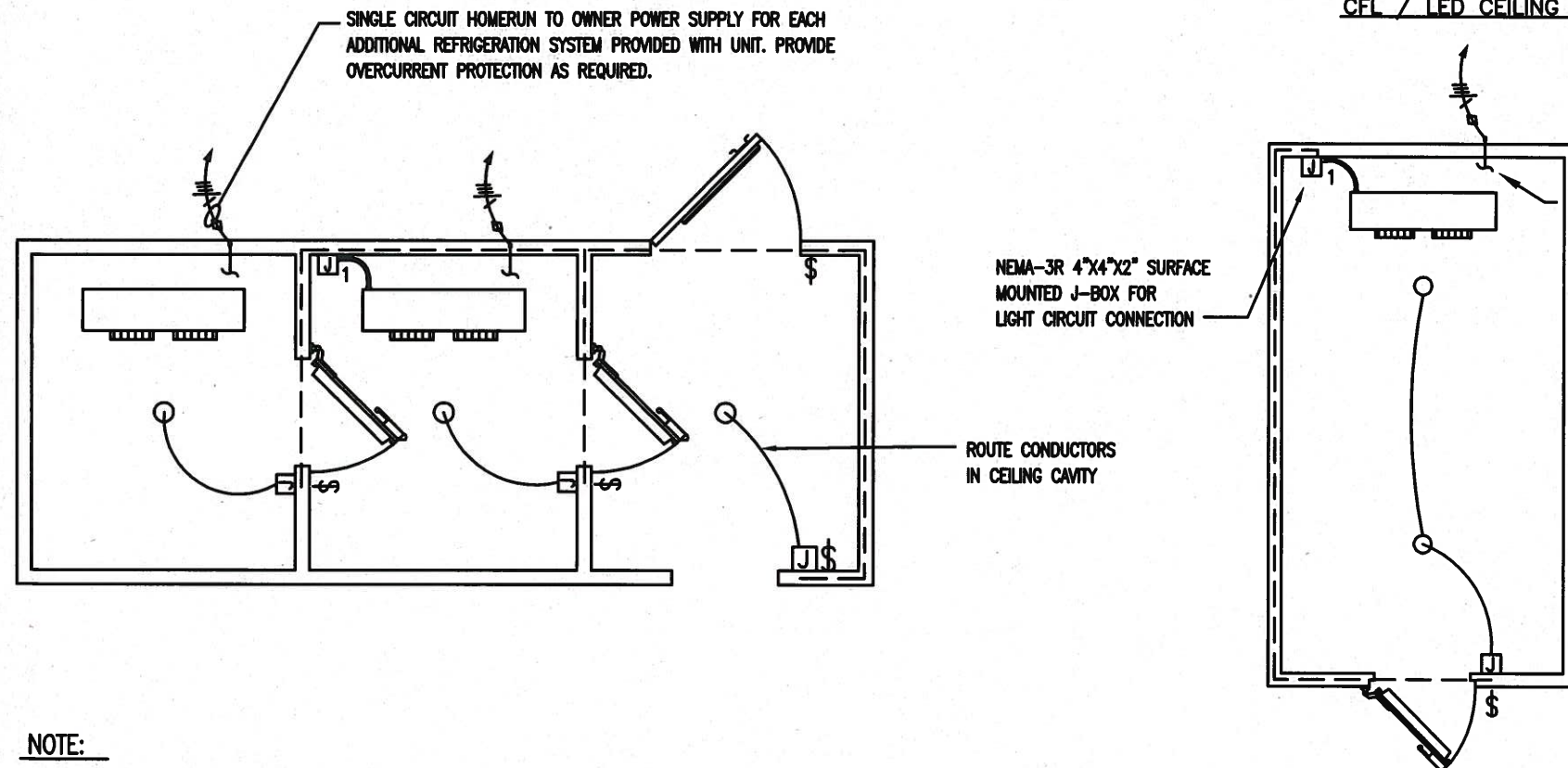
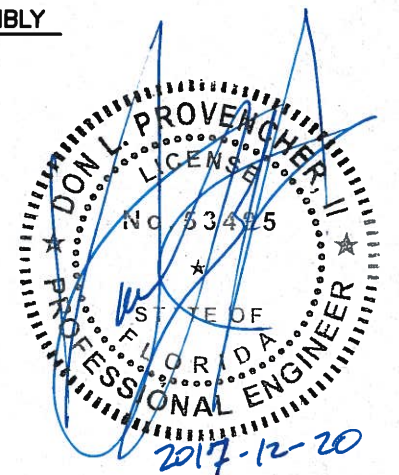
REVISIONS			
NO.	DATE	BY	DESCRIPTION
ELECTRICAL PLANS			
05 OCT 1995		RH	DWG# CC95200



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U.L. LISTED DOOR PANEL ASSEMBLY
VIEW FROM INSIDE



ROUTE CONDUIT AND CONDUCTORS ON EXTERIOR OF UNIT AND CONNECT TO CONDENSING UNIT DISCONNECT SWITCH (PROVIDED BY MANUFACTURER).

NOTE:

- USE #14 THHN CONDUCTORS FROM SURFACE MOUNTED JUNCTION BOX TO CONDENSING UNIT CONTROL PANEL ON ROOF.
- UF CABLE TO BE SPACED 1-1/2" MINIMUM OFF INTERIOR WALL SURFACES.
- INTERIOR WALL MOUNTED LIGHT FIXTURE MAY BE DELETED IF CEILING MOUNTED LIGHT FIXTURE IS SPECIFIED.
- OPTIONAL FIXTURES - 26 WATT FLUORESCENT OR 12 WATT LED.
- NO MECHANICAL PIECE OF EQUIPMENT SHALL BE MORE THAN 25'-0" AWAY FROM THE NEAREST CONVENIENCE RECEPTACLE. PROVIDE QUANTITY OF RECEPTACLES AS REQUIRED.

SYMBOL KEY

- 14-2 WITH GROUND TYPE UF CABLE FOAMED IN WALL AND CEILING CAVITY
- J SURFACE MOUNTED NEMA-3R JUNCTION BOX
- J U.L. LISTED DOOR PANEL ASSEMBLY JUNCTION BOX
- \$ ROOM LIGHT SWITCH


INTERNATIONAL COLD STORAGE
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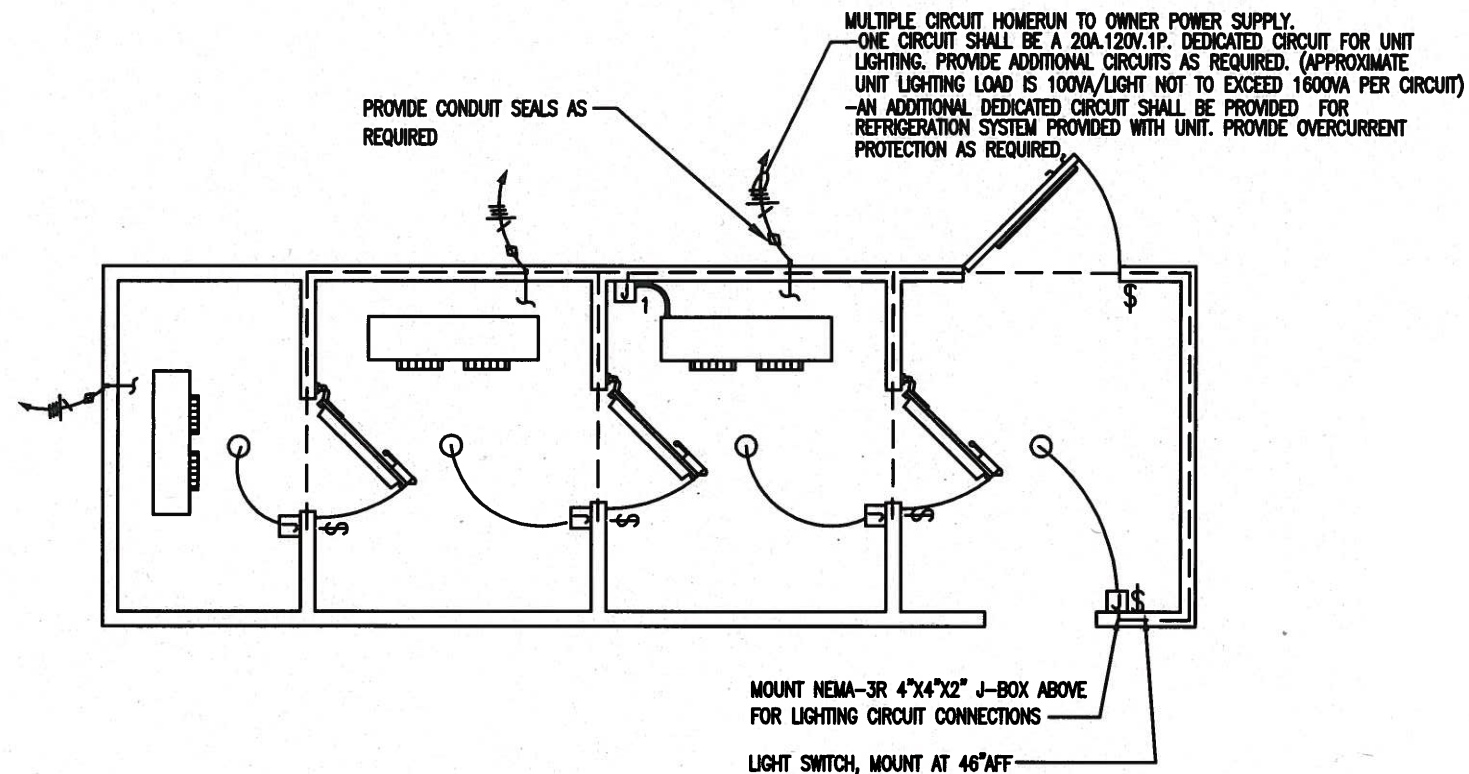
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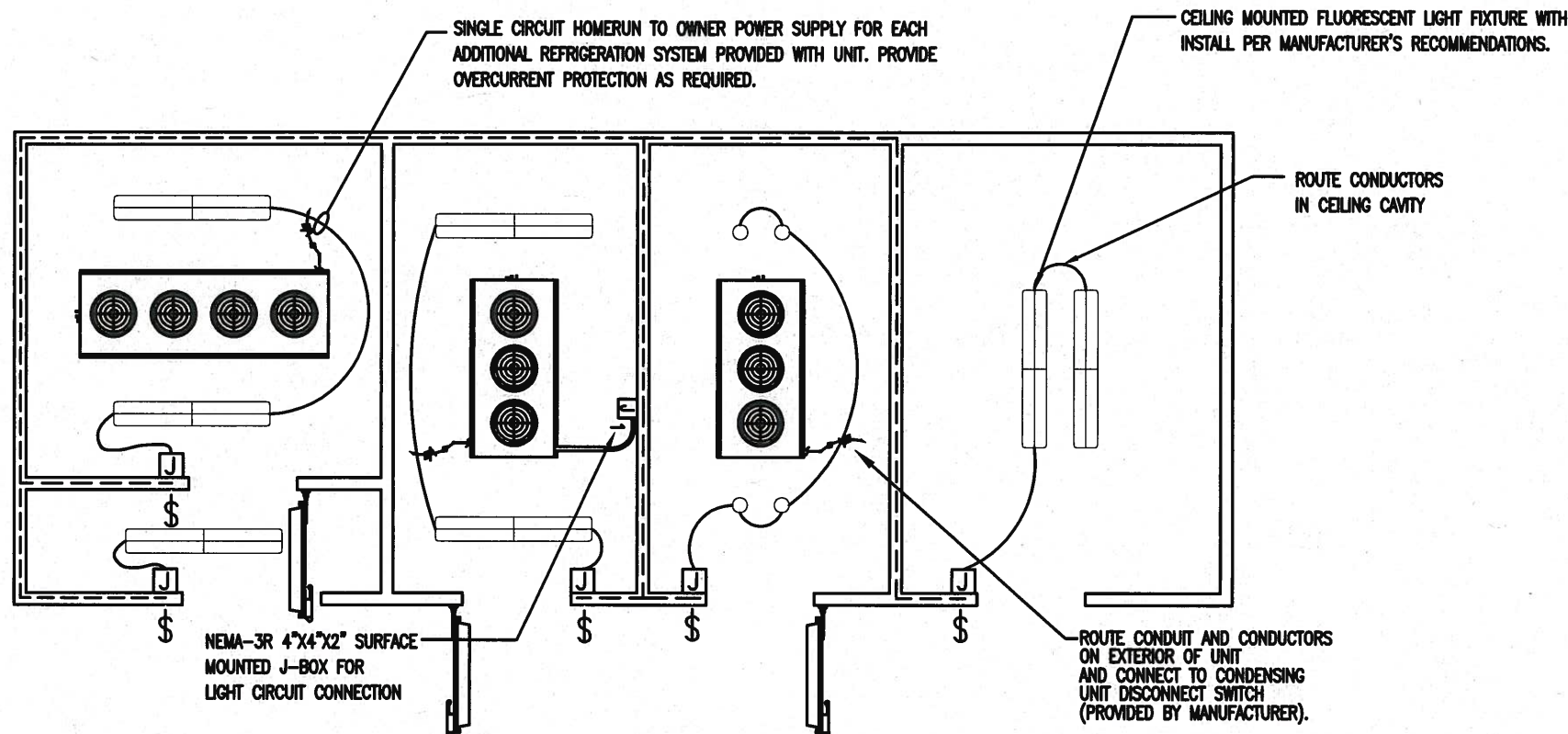
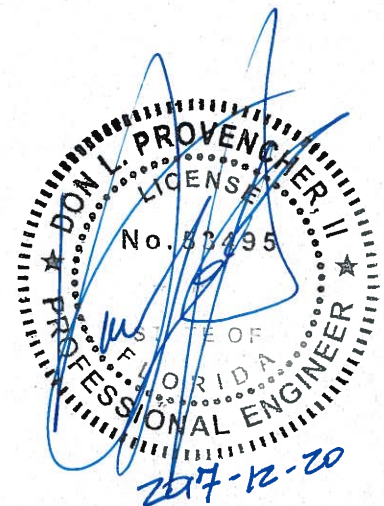
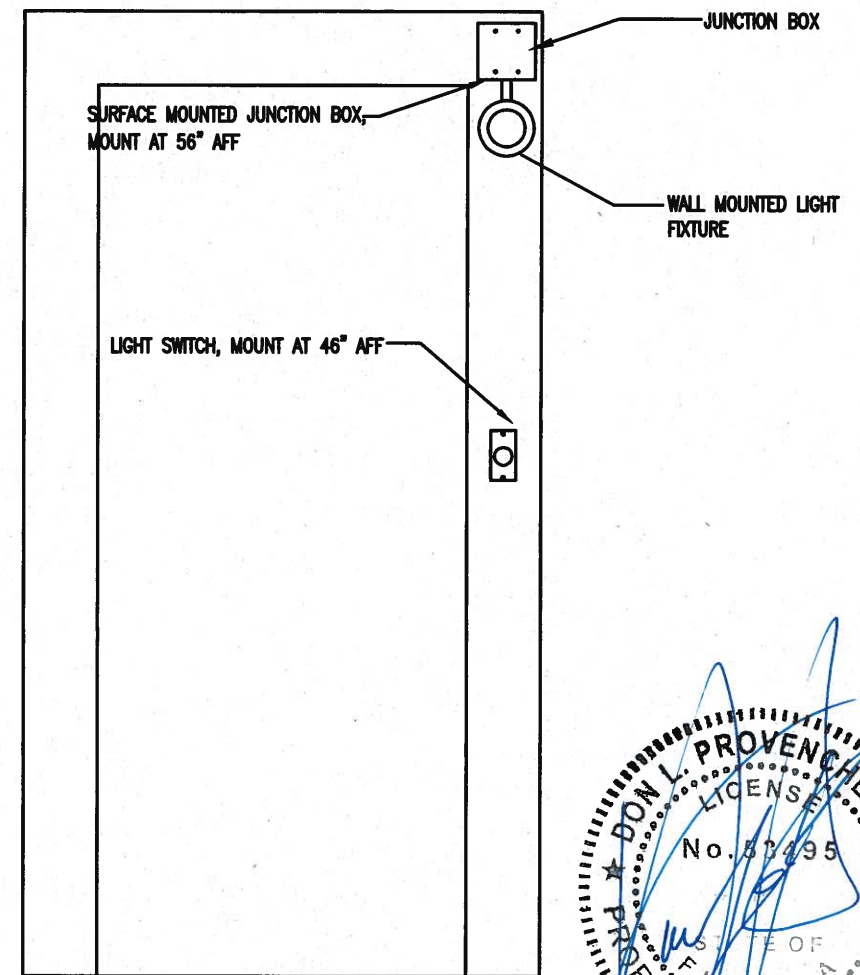
REVISIONS			
NO.	DATE	BY	DESCRIPTION
			CEILING/WALL LIGHTING ELECTRICAL FLOOR PLANS
	05 OCT 1995	RH	DWG# CC95201



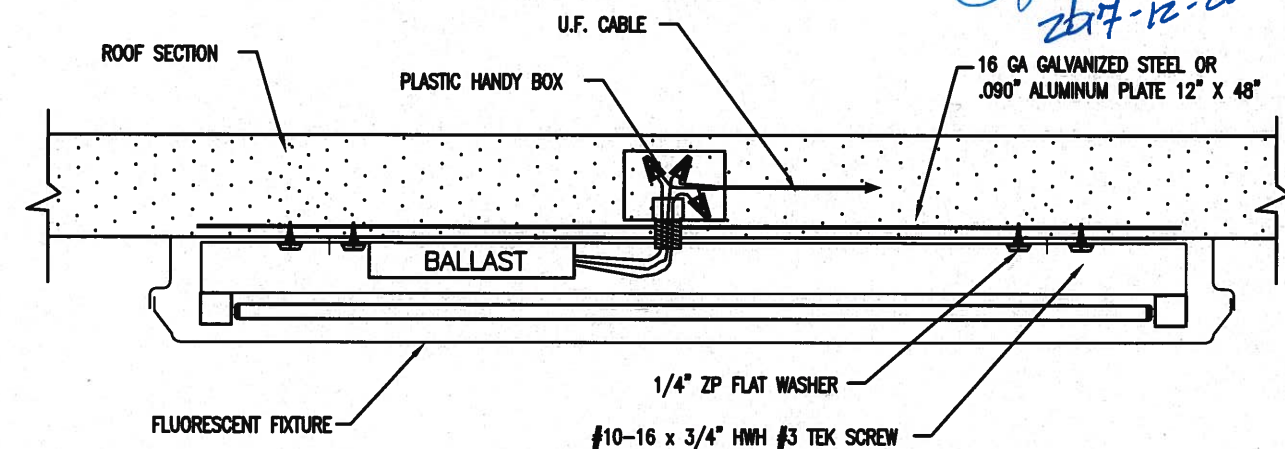
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U.L. LISTED DOOR PANEL ASSEMBLY
VIEW FROM INSIDE



OPTIONAL CEILING MOUNTED FLUORESCENT LIGHT FIXTURE DETAIL

NOTE:

1. USE #12 THHN CONDUCTORS FROM SURFACE MOUNTED JUNCTION BOX TO CONDENSING UNIT CONTROL PANEL ON ROOF.
2. UF CABLE TO BE SPACED 1-1/2" MINIMUM OFF INTERIOR WALL SURFACES.
3. INTERIOR WALL MOUNTED LIGHT FIXTURE MAY BE DELETED IF CEILING MOUNTED LIGHT FIXTURE IS SPECIFIED.
4. OPTIONAL FIXTURE - 42 WATT FLUORESCENT.
5. NO MECHANICAL PIECE OF EQUIPMENT SHALL BE MORE THAN 25'-0" AWAY FROM THE NEAREST CONVENIENCE RECEPTACLE. PROVIDE QUANTITY OF RECEPTACLES AS REQUIRED.

SYMBOL KEY

- 12-2 WITH GROUND TYPE UF CABLE FOAMED IN WALL AND CEILING CAVITY
- J¹ SURFACE MOUNTED NEMA-3R JUNCTION BOX
- J U.L. LISTED DOOR PANEL ASSEMBLY JUNCTION BOX
- \$ ROOM LIGHT SWITCH

STATE OF FLORIDA ENGINEER: DON L. PROVENCHER, II, PE
STATE OF FLORIDA LICENSE NUMBER: PE0053495

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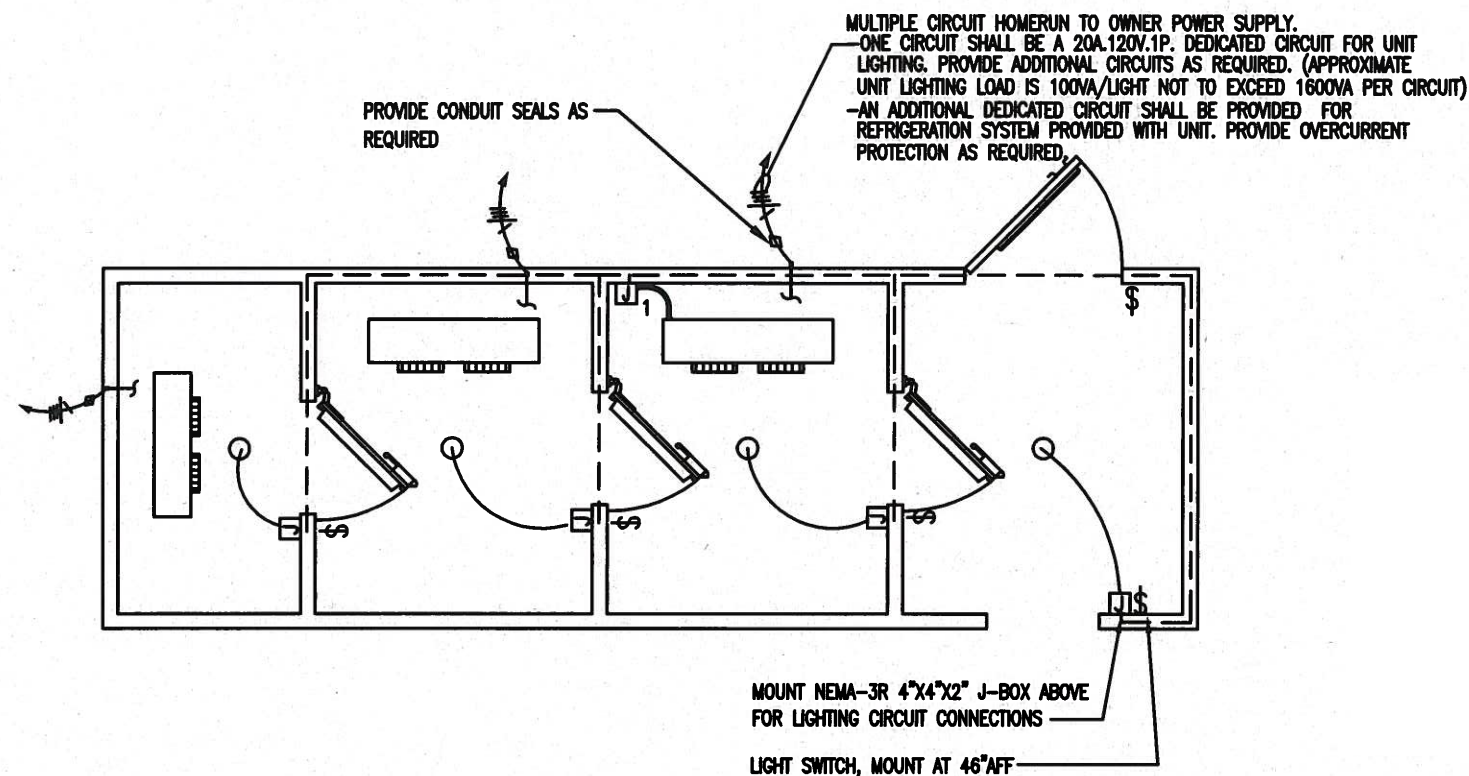
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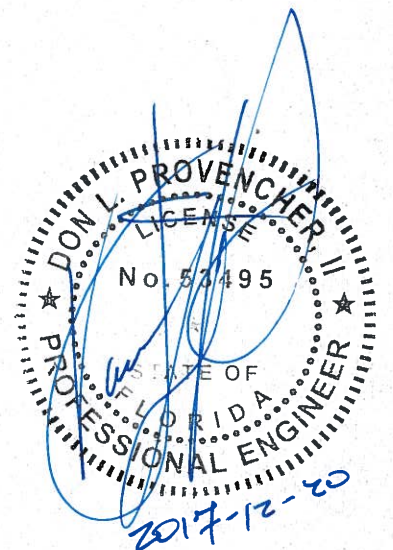
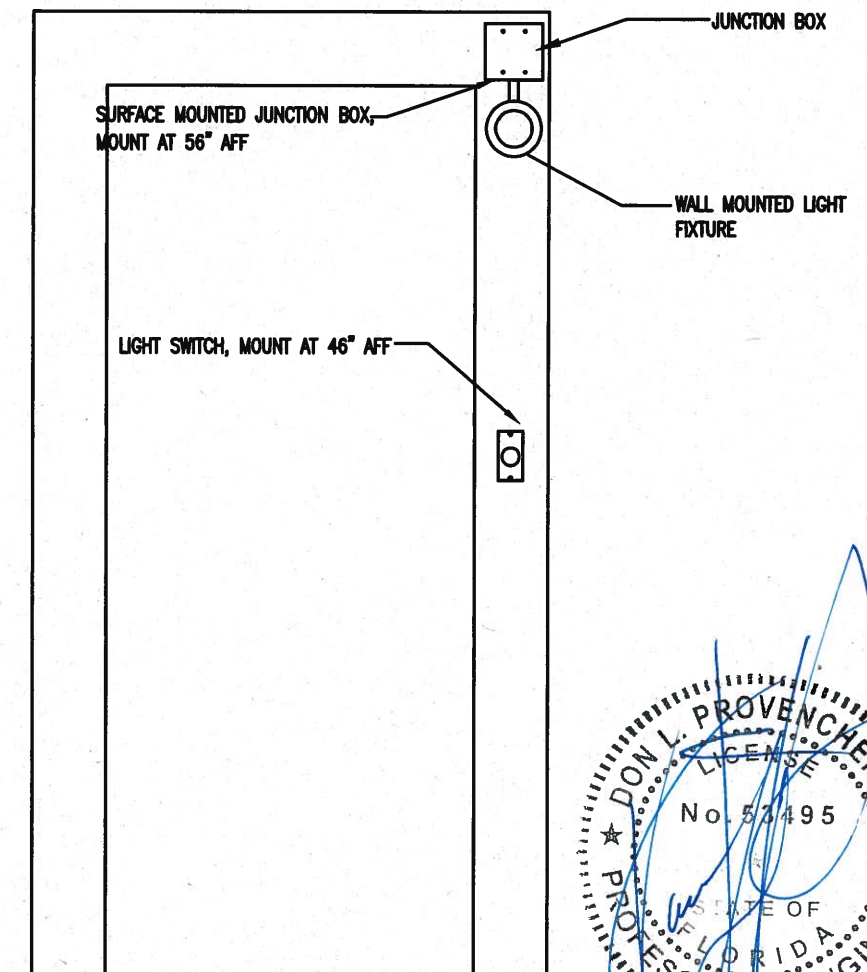
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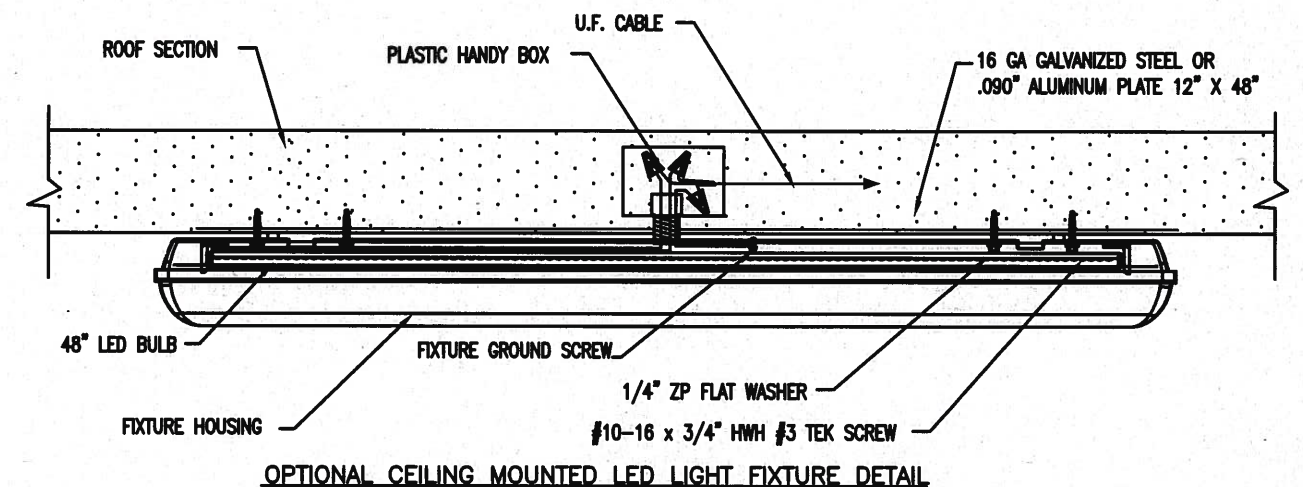
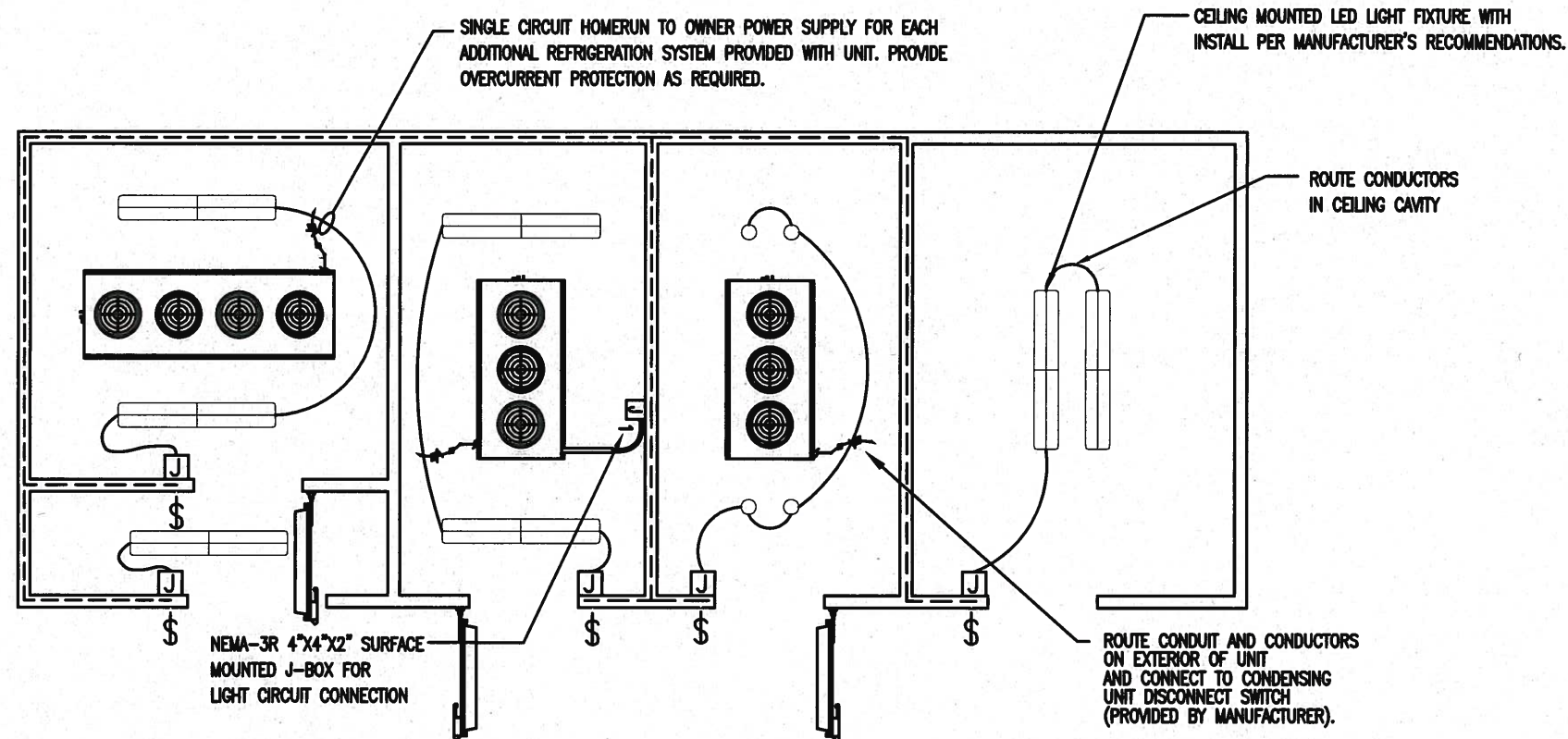
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
ICS			FLUORESCENT LIGHTING ELECTRICAL FLOOR PLANS	
07 MAY 2009	RH	DWG#	CC95201-1	



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U.L. LISTED DOOR PANEL ASSEMBLY
VIEW FROM INSIDE



OPTIONAL CEILING MOUNTED LED LIGHT FIXTURE DETAIL

NOTE:

1. USE #12 THIN CONDUCTORS FROM SURFACE MOUNTED JUNCTION BOX TO CONDENSING UNIT CONTROL PANEL ON ROOF.
2. UF CABLE TO BE SPACED 1-1/2" MINIMUM OFF INTERIOR WALL SURFACES.
3. INTERIOR WALL MOUNTED LIGHT FIXTURE MAY BE DELETED IF CEILING MOUNTED LIGHT FIXTURE IS SPECIFIED.
4. OPTIONAL FIXTURE - 30 WATT LED.
5. NO MECHANICAL PIECE OF EQUIPMENT SHALL BE MORE THAN 25'-0" AWAY FROM THE NEAREST CONVENIENCE RECEPTACLE. PROVIDE QUANTITY OF RECEPTACLES AS REQUIRED.

SYMBOL KEY

- 12-2 WITH GROUND TYPE UF CABLE FOAMED IN WALL AND CEILING CAVITY
- J SURFACE MOUNTED NEMA-3R JUNCTION BOX
- J U.L. LISTED DOOR PANEL ASSEMBLY JUNCTION BOX
- \$ ROOM LIGHT SWITCH

STATE OF FLORIDA ENGINEER: DON L. PROVENCHER, II, PE
STATE OF FLORIDA LICENSE NUMBER: PE0053495

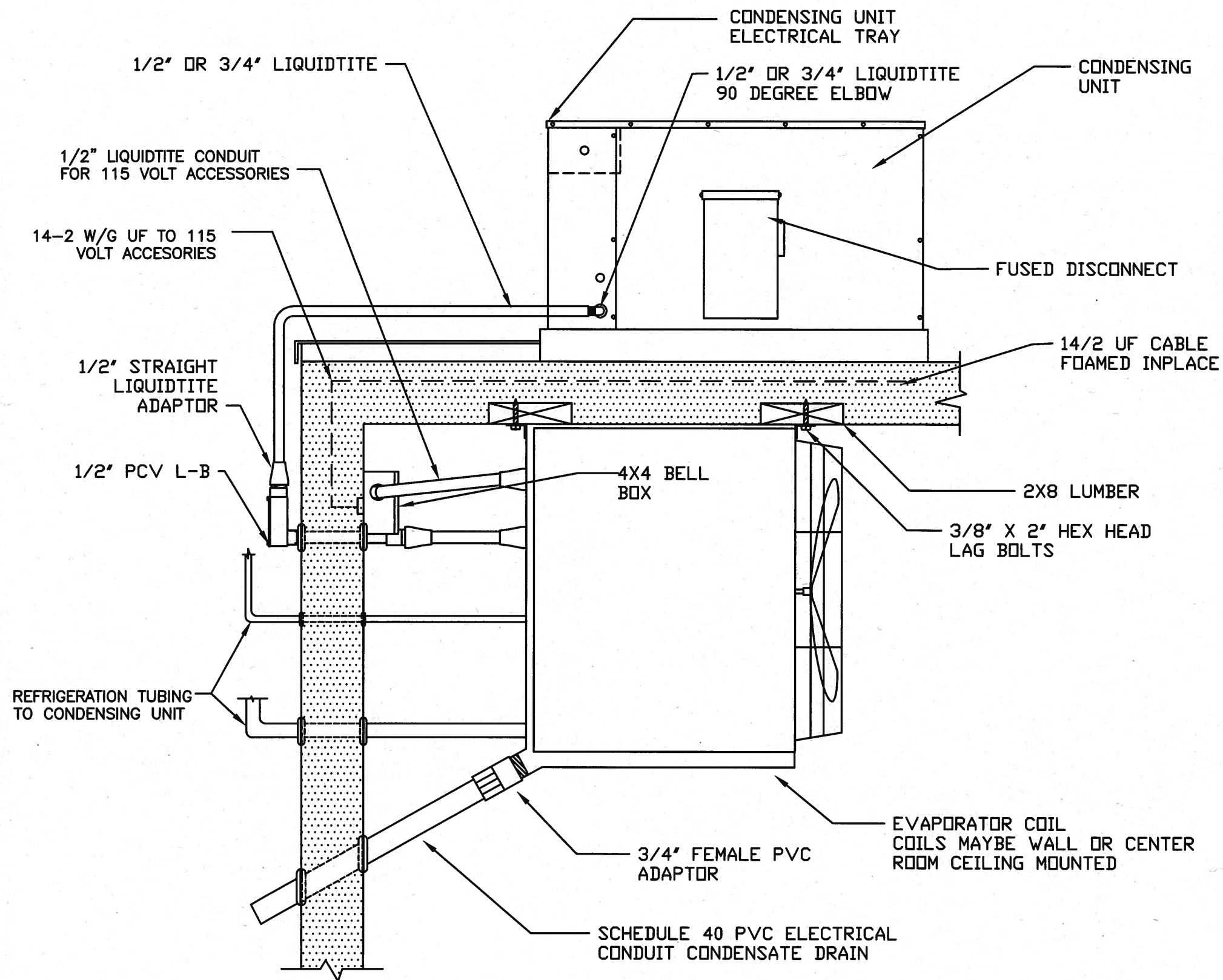
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
ICS			LED LIGHTING ELECTRICAL PLAN DETAILS
10 AUG 2017	RH	DWG#	CC95201-2



SIDE VIEW

NOTES:

1. SEE CHART FOR EVAPORATOR RACEWAY SIZE.
2. SEAL RACEWAY AT CONTROL PANEL AND EVAPORATOR COIL WITH RTV SEALANT.
3. MAINTAIN 1" PER FOOT SLOPE ON DRAIN.
4. CLAMP CONDUIT EVERY 4'.
5. WALL MOUNTED THERMOSTAT OPTIONAL.
6. HEATCRAFT UNITS ARE FURNISHED WITH CSSC TEMPERATURE CONTROLLERS BUILT INTO THE EVAPORATORS.

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SERVICE AMPS	VOLTS	CONDUIT SIZE	WIRE SIZE THHN
15	208/230	1/2"	14
20	208/230	1/2"	12
25	208/230	1/2"	10
30	208/230	3/4"	10

SEE REFRIGERATION DATA CHARTS ON DRAWING CC95301 - CC95302 FOR INFORMATION REGARDING SPECIFIC SYSTEMS.



STATE OF FLORIDA ENGINEER: DON L. PROVENCHER, II, PE
STATE OF FLORIDA LICENSE NUMBER: PE0053495



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REVISIONS				DESCRIPTION
NO.	DATE	BY		
				REFRIGERATION ELECTRICAL DETAILS
				01 APR 2005 RH DWG# CC95202

LIGHTING SERVICE LOAD MODELS (IB, IF, IC)					
BUILDING LENGTH	COMPARTMENTS	TYPICAL LIGHTS PER COMPARTMENT	AMP LOAD PER COMPARTMENT	TOTAL AMP LOAD	MAX. HACR CBKR PER CIRCUIT
6'	1	2	.90	.90	15.0
8'	1	2	.90	.90	15.0
10'	1	4	1.80	1.80	15.0
12'	1	4	1.80	1.80	15.0
14'	1	4	1.80	1.80	15.0
16'	1	4	1.80	1.80	15.0
18'	1	5	2.25	2.25	15.0
20'	1	5	2.25	2.25	15.0
22'	1	5	2.25	2.25	15.0
24'	1	5	2.25	2.25	15.0
26'	1	6	2.70	2.70	15.0
28'	1	6	2.70	2.70	15.0
30'	1	6	2.70	2.70	15.0
32'	1	6	2.70	2.70	15.0
34'	1	7	3.15	3.15	15.0
36'	1	7	3.15	3.15	15.0
38'	1	8	3.60	3.60	15.0
40'	1	8	3.60	3.60	15.0
42'	1	9	4.05	4.05	15.0
44'	1	9	4.05	4.05	15.0
46'	1	10	4.50	4.50	15.0
48'	1	10	4.50	4.50	15.0
50'	1	10	4.50	4.50	15.0

LIGHTING SERVICE LOAD MODEL (IDT)					
BUILDING LENGTH	COMPARTMENTS	TYPICAL LIGHTS PER COMPARTMENT	AMP LOAD PER COMPARTMENT	TOTAL AMP LOAD	MAX. HACR CBKR PER CIRCUIT
6'	N/A	N/A	N/A	N/A	N/A
8'	2	2	.90	1.80	15.0
10'	2	4	1.80	3.60	15.0
12'	2	4	1.80	3.60	15.0
14'	2	4	1.80	3.60	15.0
16'	2	4	1.80	3.60	15.0
18'	2	5	2.25	4.50	15.0
20'	2	5	2.25	4.50	15.0
22'	2	5	2.25	4.50	15.0
24'	2	5	2.25	4.50	15.0
26'	2	6	2.70	5.40	15.0
28'	2	6	2.70	5.40	15.0
30'	2	6	2.70	5.40	15.0
32'	2	6	2.70	5.40	15.0
34'	2	7	3.15	6.30	15.0
36'	2	7	3.15	6.30	15.0
38'	2	8	3.60	7.20	15.0
40'	2	8	3.60	7.20	15.0
42'	2	8	3.60	7.20	15.0
44'	2	8	3.60	7.20	15.0
46'	2	8	3.60	7.20	15.0
48'	2	8	3.60	7.20	15.0
50'	2	8	3.60	7.20	15.0

LIGHTING SERVICE LOAD MODEL (ITT)					
BUILDING LENGTH	COMPARTMENTS	TYPICAL LIGHTS PER COMPARTMENT	AMP LOAD PER COMPARTMENT	TOTAL AMP LOAD	MAX. HACR CBKR PER CIRCUIT
6'	N/A	N/A	N/A	N/A	N/A
8'	N/A	N/A	N/A	N/A	N/A
10'	N/A	N/A	N/A	N/A	N/A
12'	3	4	1.80	5.40	15.0
14'	3	4	1.80	5.40	15.0
16'	3	4	1.80	5.40	15.0
18'	3	5	2.25	6.75	15.0
20'	3	5	2.25	6.75	15.0
22'	3	5	2.25	6.75	15.0
24'	3	5	2.25	6.75	15.0
26'	3	6	2.70	8.10	15.0
28'	3	6	2.70	8.10	15.0
30'	3	6	2.70	8.10	15.0
32'	3	6	2.70	8.10	15.0
34'	3	6	2.70	8.10	15.0
36'	3	6	2.70	8.10	15.0
38'	3	8	3.60	10.8	15.0
40'	3	8	3.60	10.8	15.0
42'	3	8	3.60	10.8	15.0
44'	3	8	3.60	10.8	15.0
46'	3	8	3.60	10.8	15.0
48'	3	8	3.60	10.8	15.0
50'	3	8	3.60	10.8	15.0

LIGHTING SERVICE LOAD MODEL (IQT)					
BUILDING LENGTH	COMPARTMENTS	TYPICAL LIGHTS PER COMPARTMENT	AMP LOAD PER COMPARTMENT	TOTAL AMP LOAD	MAX. HACR CBKR PER CIRCUIT
6'	N/A	N/A	N/A	N/A	N/A
8'	N/A	N/A	N/A	N/A	N/A
10'	N/A	N/A	N/A	N/A	N/A
12'	N/A	N/A	N/A	N/A	N/A
14'	N/A	N/A	N/A	N/A	N/A
16'	4	4	1.80	7.20	15.0
18'	4	4	1.80	7.20	15.0
20'	4	4	1.80	7.20	15.0
22'	4	5	2.25	9.20	15.0
24'	4	5	2.25	9.20	15.0
26'	4	5	2.25	9.20	15.0
28'	4	5	2.25	9.20	15.0
30'	4	5	2.25	9.20	15.0
32'	4	5	2.25	9.20	15.0
34'	4	6	2.70	10.80	15.0
36'	4	6	2.70	10.80	15.0
38'	4	6	2.70	10.80	15.0
40'	4	6	2.70	10.80	15.0
42'	4	6	2.70	10.80	15.0
44'	4	8	3.60	14.40	15.0
46'	4	8	3.60	14.40	15.0
48'	4	8	3.60	14.40	15.0
50'	4	8	3.60	14.40	15.0

LIGHTING SERVICE LOAD MODEL (IQT)					
BUILDING LENGTH	COMPARTMENTS	TYPICAL LIGHTS PER COMPARTMENT	AMP LOAD PER COMPARTMENT	TOTAL AMP LOAD	MAX. HACR CBKR PER CIRCUIT
6'	N/A	N/A	N/A	N/A	N/A
8'	N/A	N/A	N/A	N/A	N/A
10'	N/A	N/A	N/A	N/A	N/A
12'	N/A	N/A	N/A	N/A	N/A
14'	N/A	N/A	N/A	N/A	N/A
16'	5	4	1.80	9.0	15.0
18'	5	4	1.80	9.0	15.0
20'	5	4	1.80	9.0	15.0
22'	5	5	2.25	11.25	15.0
24'	5	5	2.25	11.25	15.0
26'	5	5	2.25	11.25	15.0
28'	5	5	2.25	11.25	15.0
30'	5	5	2.25	11.25	15.0
32'	5	5	2.25	11.25	15.0
34'	5	6	2.70	13.5	15.0
36'	5	6	2.70	13.5	15.0
38'	5	6	2.70	13.5	15.0
40'	5	6	2.70	13.5	15.0
42'	5	6	2.70	13.5	15.0
44'	5	8	3.60	18.0	*
46'	5	8	3.60	18.0	*
48'	5	8	3.60	18.0	*
50'	5	8	3.60	18.0	*

NOTE:

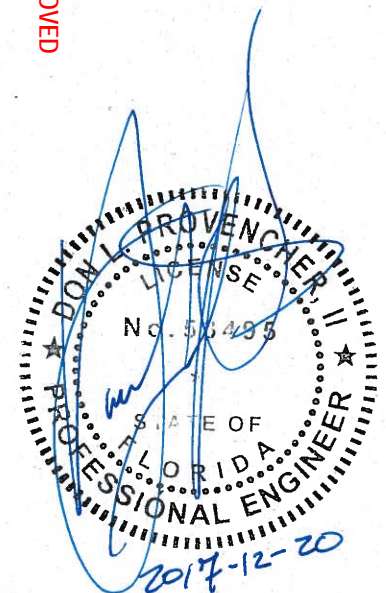
1. CHARTS SHOW TYPICAL NUMBER OF LIGHT FIXTURES PER COMPARTMENT.
2. NUMBER OF FIXTURES PER COMPARTMENT MAY VARY BASED ON CUSTOMER REQUIREMENTS.
3. LIGHT CIRCUITS MAY NOT EXCEED 15 AMPS PER CIRCUIT.
4. BUILDINGS IN WHICH FIXTURE AMPACITY EXCEEDS 15 AMPS ADDITIONAL CIRCUITS ARE REQUIRED.
5. LIGHTING CIRCUIT MAY NOT BE TIED INTO ANY ADDITIONAL CUSTOMER CIRCUIT.
6. CUSTOMER MUST FURNISH OVER CURRENT PROTECTION FOR FACTORY SUPPLIED CIRCUIT.
7. LIGHT CIRCUIT IS TAG BY FACTORY FOR FIELD IDENTIFICATION.
8. LIGHT CALCULATION BASED ON 54 WATT LIGHT FIXTURE (.45 AMPS PER FIXTURE).
9. LED LIGHT FIXTURES MAYBE BE USED IN PLACE OF FLUORESCENT LIGHT FIXTURES.

- * BUILDING MAY REQUIRE 2 LIGHT CIRCUITS
BUILDINGS MAY NOT EXCEED 30 54 WATT FIXTURES PER CIRCUIT
FACTORY TO SUPPLY TWO TERMINATION POINTS WHEN ADDITIONAL CIRCUIT IS REQUIRED
FACTORY IS TO IDENTIFY AND TAG EACH LIGHT CIRCUIT.

INTERNATIONAL COLD STORAGE
215 E. 13TH STREET
ANDOVER, KANSAS 67002

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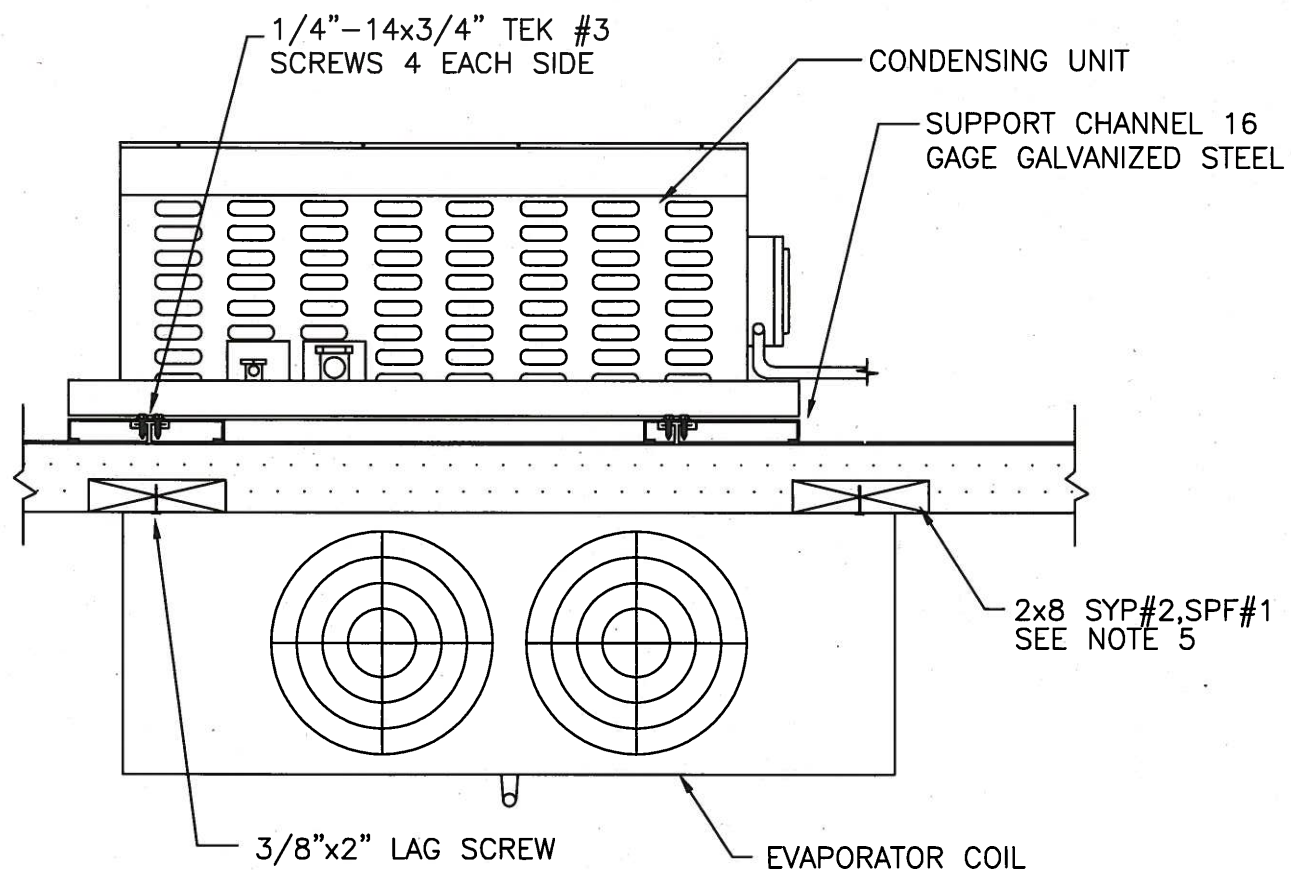
STATE OF FLORIDA ENGINEER: DON L. PROVENCHER, II, PE
STATE OF FLORIDA LICENSE NUMBER: PE0053495

PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 SOUTH TOPEKA WICHITA, KS 67202
316-262-2691 www.pec1.com

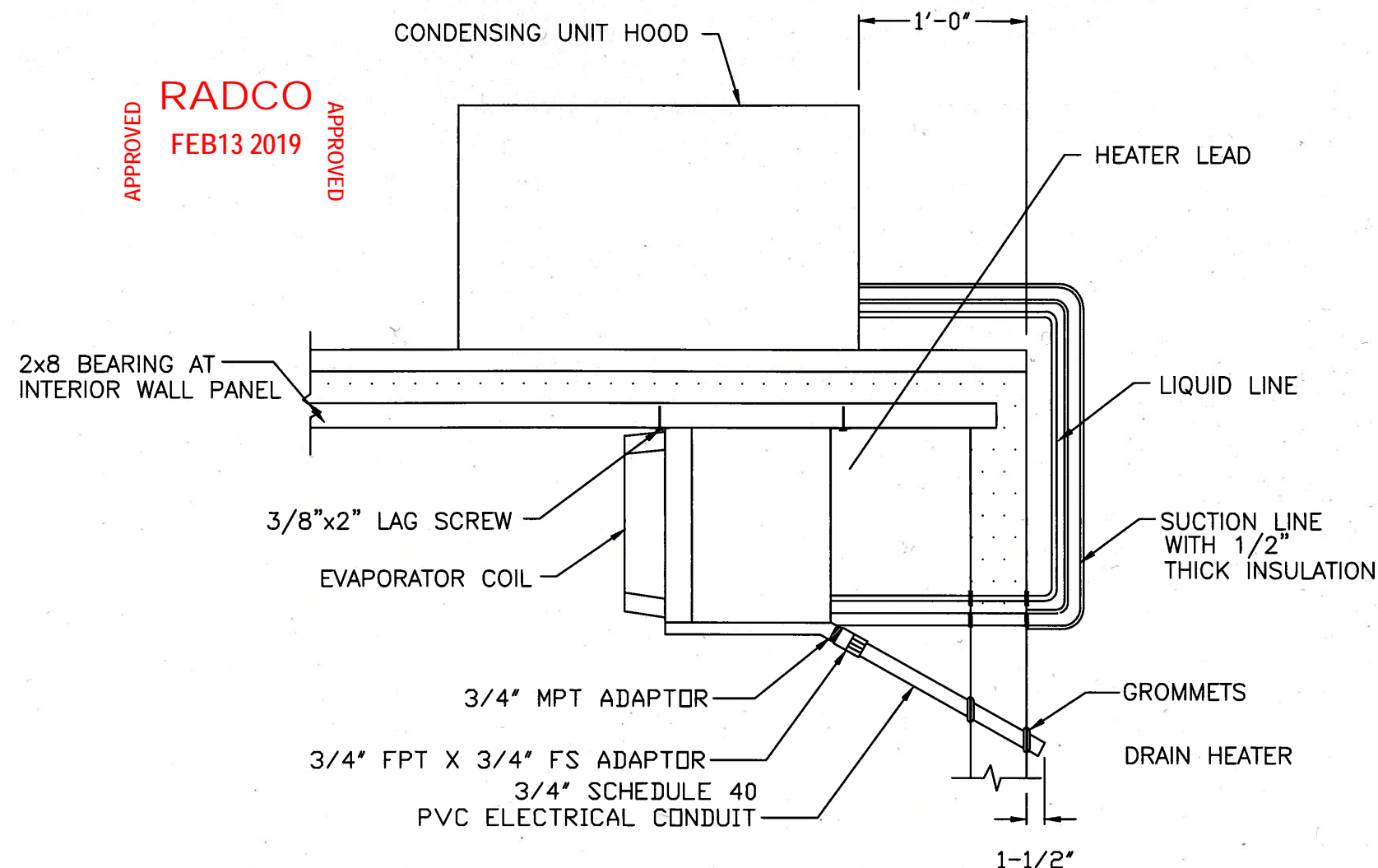
FLORIDA BUSINESS LICENSE NO.: 856280
CERTIFICATE OF AUTHORIZATION NO.: CA2633

REVISIONS			
NO.	DATE	BY	DESCRIPTION
ELECTRICAL SERVICE LOADS			
MAY 2005	RH	DWG#	CC95210

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FRONT VIEW OF REFRIGERATION



SIDE VIEW OF REFRIGERATION

LINE SIZES			ELECTRICAL SERVICE REQUIREMENTS		
HP	LIQUID LINE	SUCTION LINE	SERVICE AMP	CONDUIT SIZE	WIRE SIZE THHN
.75	3/8"	5/8"	15	1/2"	14
1.00			20	1/2"	12
1.50		7/8"	25	1/2"	10
1.75			30	3/4"	10
2.50					
3.00					

CONDENSATE NOTES:

- 3/4" SCHEDULE 40 PVC ELECTRICAL CONDUIT MUST BE USED FOR ALL CONDENSATE DRAINS.
- CONDENSATE LINE MAY EXIT BUILDING DIRECTLY BEHIND EVAPORATOR OR MAYBE ROUTE ALONG INTERIOR WALLS TO A LOCATION SPECIFIED BY THE CUSTOMER.
- CONDENSATE DRAINS MAY OR MAY NOT HAVE AN INTERNAL SUBMERSIBLE UL LISTED BRAIDED DRAINLINE HEATER
- DRAINLINE HEATERS WATTAGE NOT TO EXCEED 12 WATTS PER LINEAR FOOT.
- DRAINLINES ROUTED ALONG INTERIOR WALLS ARE TO MAINTAIN 1 INCH PER FOOT SLOPE.

ADDITIONAL REFRIGERATION EQUIPMENT NOTES:

- REFRIGERATION EQUIPMENT WILL VERY BASED ON INDIVIDUAL ROOM SIZE AND CUSTOMER REQUIREMENTS.
- REFRIGERATION EQUIPMENT USES R448A REFRIGERANT.
- REFRIGERANT USED AND EQUIPMENT SIZE IS LISTED ON BUILDING DATA PLATES AND ROOFTOP CONDENSING UNIT.
- SEE BUILDING DATA PLATE FOR FUSE SIZE INFORMATION REGARDING EACH REFRIGERATION UNIT.

NOTES:

- ALL REFRIGERATION PIPING TO BE COPPER REFRIGERATION TUBING.
- ALL FITTINGS TO BE COPPER.
- USE GROMMETS WHERE COPPER PENETRATES WALL.
- CONDENSING UNIT SUPPORTS MAY SPAN LENGTH OR WIDTH OF BUILDING NOT TO EXCEED MAXIMUM SPAN OF 16'.
- SUBSTITUTE C4X7.25 CHANNEL FOR 2X8 AND 3/8"-16X1-1/2" HEX HEAD THREAD CUTTING SCREW FOR 3/8" X 2" LAG SCREW IF NON COMBUSTIBLE CONSTRUCTION IS REQUIRED.



STATE OF FLORIDA ENGINEER: MELANIE R. DICKEY, PE
STATE OF FLORIDA LICENSE NUMBER: 78783



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REVISIONS				DESCRIPTION	
NO.	DATE	BY			
				REFRIGERATION MECHANICAL DETAILS	
				15 MAR 2007	RH DWG# CC95300