

City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

PERMIT CARD - PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission oviolate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after ION

| IS GRANTED TO DO T | K SHALL BE CONSIDERED THE FOLLOWING WORK A | D SUSPENDED IF AN APPROVED INSP | within 6 months, or is suspended or abandoned for a period of 6 months after ECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD. PERMISSION REON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO |
|---|---|---|--|
| Scope of Work: | MECHANICAL: one | 3-ton change out | Permit Number: 2017-04-004 |
| Comments: | None | | Date of Application: 03/30/2017 Date Permit Issued: 03/30/2017 |
| Project Informati Address: Parcel ID: Property Owner: Phone Number: | 5833 Windmill Ct, Br 24-23-29-9361-00-1 Girard, William 407 869 9929 | | WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY |
| Company Name: Contractor Name: License Number: Address: Phone Number: | American Air & Hea | t Inc | BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED. |
| | | BUILDING FEA | TURES |
| | \$ \$ | IF APPLICABLE: | BUILDING INSPECTOR USE ONLY |
| ZONING FEES Zoning Fee | \$ | Have Zoning Approval Condition Been Met? YES NO Silt fence | ing in place? YES NO Have Stormwater Approval Conditions Turbidity Barrier in place? YES NO |
| Boat Dock | s - BUILDING FEES \$ \$ \$ | BUILDING 1st Survey specific foundation p | (Footing/Foundation) lan must be onsite before slab pour. Approved Plan on Site? (Slab) |
| Door(s) Driveway Electrical Fence | \$ \$ \$ \$ \$ | 3 rd | |

SURCHARGE FEES

Gas

Pool

Shed Temp Pole

Irrigation

Plumbing

Roofing

Low Voltage Mechanical

Screen Encl

Window(s)

Surcharge Fee \$2.00 Surcharge Fee \$2.00

TOTAL FEES \$86.50

\$

\$

\$

\$

\$

\$

\$

\$82.50

or Check # A Amount Paid

The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).

(Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed) (Insulation to be Made After Roof Installed) (Drywall) (Sidewalk/Driveway) (Other) 10th (Final - After MEP and Other Applicable Finals) ROOFING OSHA APPROVED ACCESS MUST BE MADE AVAILABLE TO INSPECTOR 1ST ROOFING Deck Nailing/Dry-in/Flashing _ 2nd ROOFING Covering In-Progress __ 3rd ROOFING Covering Final ___ ☐ PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

Inspection requests are to be emailed to BIDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 4pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

(Underground)

(Rough-In/Tub Set)

□ MECHANICAL □ELECTRICAL

(Rough-In)

CHECK APPROPRIATE BOX

☐ GAS __Natural ___LP

(Sewer)

(Final)

(Final)

□ LOW VOLTAGE



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 3281 MAR 3 0 2017
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

APPLICATION FOR MECHANICAL PERMIT

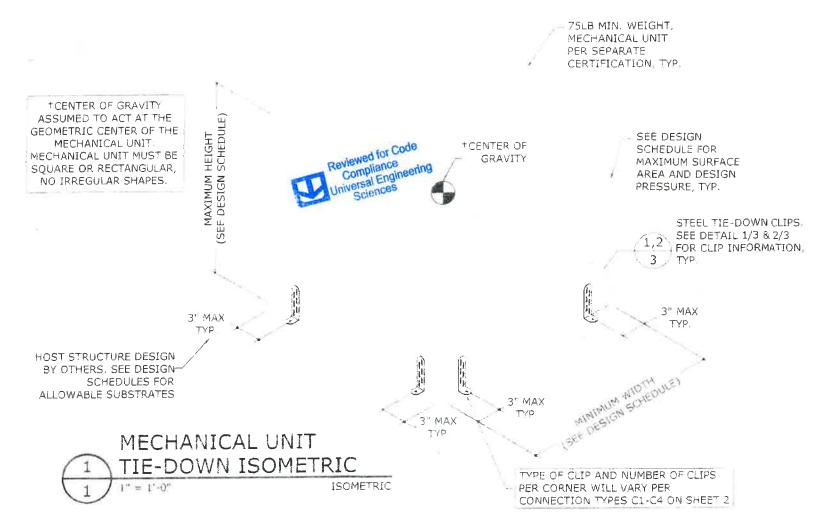
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

| DATE OF APPLICATION: 3/29/17 | PERMIT NUMBER 200-04-004 |
|--|--|
| PLEASE PRINT. The undersigned hereby applies for a permit to make installati | ions as indicated below: |
| Project Address 5833 Windmill Court 5833 Windmill Court Froperty Owner William R. Girard Property Owner's Mailing Address 5833 Windmaill Court | Belle Isle FL 32809 32812 Phone 407 869 9929 32812 City Orlando |
| State FI Zip Code 32809 Parcel Id Number: 24-23-29-93 | |
| | se visit http://www.ocpafl.org/Searches/ParcelSearch.aspx |
| Class of Building: Old New Type of Building: Residential Type of Work: New Alteration Addition Repair • REQUIRED: The Down Engineering • REQUIRED: if adding A/C to new space, provide Energy Calculations & Equipment • Equipment Repair • Require Repair • Require Require Require Require • Require Require | Commercial Other |
| REQUIRED: if replacing unit with no duct work, Duct Certification as per FB 101 | A.7.1, must be posted on unit |
| Please indicate the nature of work by completing the information below: Air Conditioning: # of Units 1 Tons Per Unit 3 Total Tons 3 Type of System: Water to AirChillerSplit SystemPackageHe Heating: # of Units KWS Per Unit 6 Total KWSBTU's OilElectric xBoilerGas | eat Pump <u>× Estimated Cost \$</u> |
| \ \' | (A) Estimated Cost Fee S |
| Fees for items below are based on valuation of all units, equipment, materials and la Ventilation: (Number of) Grease Heat Hoods, Air Intakes Exhaust Fans | bor supplied by owner or contractor. |
| Refrigeration: Number of units | Estimated Cost \$ |
| Piping: Air Vacuum Steam Chill Water | Estimated Cost \$ |
| Others: (Specify) | Estimated Cost \$ |
| Was the space previously Air Conditioned? YesxNo | |
| I hereby certify that the above is true and correct to the best of my knowledge ar same is granted I agree to conform to all Florida Building Code Regulations and City Ordi submitted. The issuance of this permit does not grant permission to violate any applical | inances regulating same and in accordance with plans |
| LICENSE HOLDER SIGNATURE | LICENSE # CMC049238 CMC049 23 |
| LICENSE HOLDER NAME Jerry Bent COMPA | NY NAME American Air and Heat American Air & H |
| Street Address 502 S. Econ Circle 500 S. Fun Civil 4 | |
| City Oviedo O V1 ed O State FI Zip Code 32765 | Phone Number 407 359 9501 |
| Email Address Suzice americanai Ranoheat. NET | 32765 407-359-9501 |
| | 55- |
| Building Official: Date 3-30-1 | Permit Fee \$ |
| Verified Contractor's Licenses & Insurance are on file Date | 3% Florida Surcharge \$ |
| NOTE: The Building Permit Number is required if the Mechanical Installation is associated in the North Installation in the North Installation is associated in the North Installation in the North Installation is associated in the North Installation in the North Installation is associated in the North Installation in the North I | Total Permit Fee \$ 86.50 ated with any construction or alteration where a Building |
| Permit has been issued. | Building Permit Number |

82,50

BMP INTERNATIONAL, INC.

MECHANICAL UNIT STEEL TIE-DOWN CLIP: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS



TIE-DOWN CLIP DIRECTIVE EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE ROOF-TOP INSTALLATION HEIGHT, H, FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS AND DESIGN CRITERIA LISTED HEREIN SEE SHEETS 4-5 FOR DESIGN SCHEDULES.)

MECHANICAL UNIT CRITERIA

CONSIDER THE INSTALLATION OF (1) MECHANICAL UNIT WITH THE FOLLOWING CRITERIA=

- Vult=170 MPH, EXPOSURE 'B'
- . 48" TALL x 48" DEEP x 48" WIDE, 100 LB (WEIGHT AS VERIFIED BY OTHERS)
- INSTALLED TO 3000 PSI MIN CONCRETE WITH (1)-2" CLIP AT EACH CORNER OF UNIT (TOTAL OF (4) CLIPS)

PROCEDURE

| | PROCEDURE STEP | RESULT |
|---|--|--|
| 1 | DETERMINE THE CONNECTION TYPE BASED ON THE DIAGRAMS ON SHEET 2 | CONNECTION TYPE 3 |
| 2 | DETERMINE WHICH DESIGN SCHEDULE TABLE TO USE | THIS INSTALLATION IS INTENDED FOR A Vult=170 MPH, EXPOSURE 'B' THIS DESIGN CRITERIA CORRESPONDS TO TABLE 5 |
| 3 | DETERMINE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED | 48"x48"=16FT ² |
| 4 | CHECK MAXIMUM UNIT HEIGHT RESTRICTION | THIS UNIT HEIGHT OF 48" IS EQUAL TO THE MAXIMUM ALLOWABLE HEIGHT OF 48". NOTE: THIS PRODUCT APPROVAL ALLOWS THE UNIT TO BE INSTALLED ON TOP OF AN A/C STAND THAT IS A MAXIMUM 30" TALL. IF AN A/C STAND IS UTILIZED CHECK TO SEE THAT THE STAND DOES NOT EXCEED 30" IN HEIGHT |
| 5 | CHECK MINIMUM UNIT WIDTH RESTRICTION | UNIT WIDTH IS 48" WHICH IS GREATER THAN THE MINIMUM ALLOWABLE WIDTH OF 24" |
| 6 | DETERMINE THE ALLOWABLE ROOF-TOP HEIGHT OF THE INSTALLATION | THIS UNIT MAY BE INSTALLED AT ROOF HEIGHTS LESS THAN OR EQUAL TO 15 FT. ADDITIONALLY, THIS UNIT MAY BE INSTALLED ON ROOF-TOP HEIGHTS GREATER THAN 60FT AND LESS THAN 100 FT. SEE (*) ON TABLE 5 FOR THE NUMERICAL VALUES OF THIS DESIGN EXAMPLE |

DESIGN NOTES:

THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 7-10 AND THE FLORD ADDITION OF THE ACCOMPANYING DESIGN SCHEDULES. THE DESIGN CRITERIA USED TO CALCULATE THE ALLOWABLE ROOF-TOP HEIGHTS CONSIDERS ASCE 7-10 SECTION 29.5.1 FOR ROOF TOP HEIGHTS (H) \leq 60 FT AND SECTION 29.5 FOR ROOF TOP HEIGHTS (H)>60 FT & SECTION 29.4.1 FOR INSTALLATIONS AT GRADE. (GC_r)_{Lateral}=3.10 WITHIN THE HVHZ, (GC_r)_{Lateral}=1.90 OUTSIDE THE HVHZ, (GC_r)_{Upolif}=1.5 FOR ALL COATIONS (CONCURRENT). ALL OTHER DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7-10 CHAPTERS 26 & 29 THE HEIGHTS LISTED IN THE DESIGN SCHEDULES REPRESENT THE ALLOWABLE HEIGHT OF THE BUILDING. THIS PRODUCT APPROVAL ALLOWS FOR EACH UNIT TO BE INSTALLED ON A MAXIMUM 30" TALL A/C STAND (CERTIFICATION BY OTHERS) ON TOP OF THE HEIGHTS LISTED IN THE DESIGN SCHEDULES.

GENERAL NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970387A, #TEL 01970387B BY TESTING EVALUATION LABORATORIES, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #12 X 3/4" OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BUILDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3000 PSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL STEEL CLIPS SHALL BE ASTM A283 STEEL (GRADE D) WITH Fy=33 KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- 7. ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS
- 10. THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION.EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 11 THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- 13 FOR AN EXPLANATION OF EXPOSURE CATEGORIES THAT ACCOMPANY THE Vult WIND SPEEDS USED IN THIS APPROVAL, SEE SECTION 26.7 3 OF ASCE 7-10.

04 477/2005 No. 46549

SW 12th AVE DE TRIED BEACH RISE

160 SW 12th P DEERFIELD BE, PH: (954) 354-0660

> ST/-1013 SEL TIE-DOWN CLIPS

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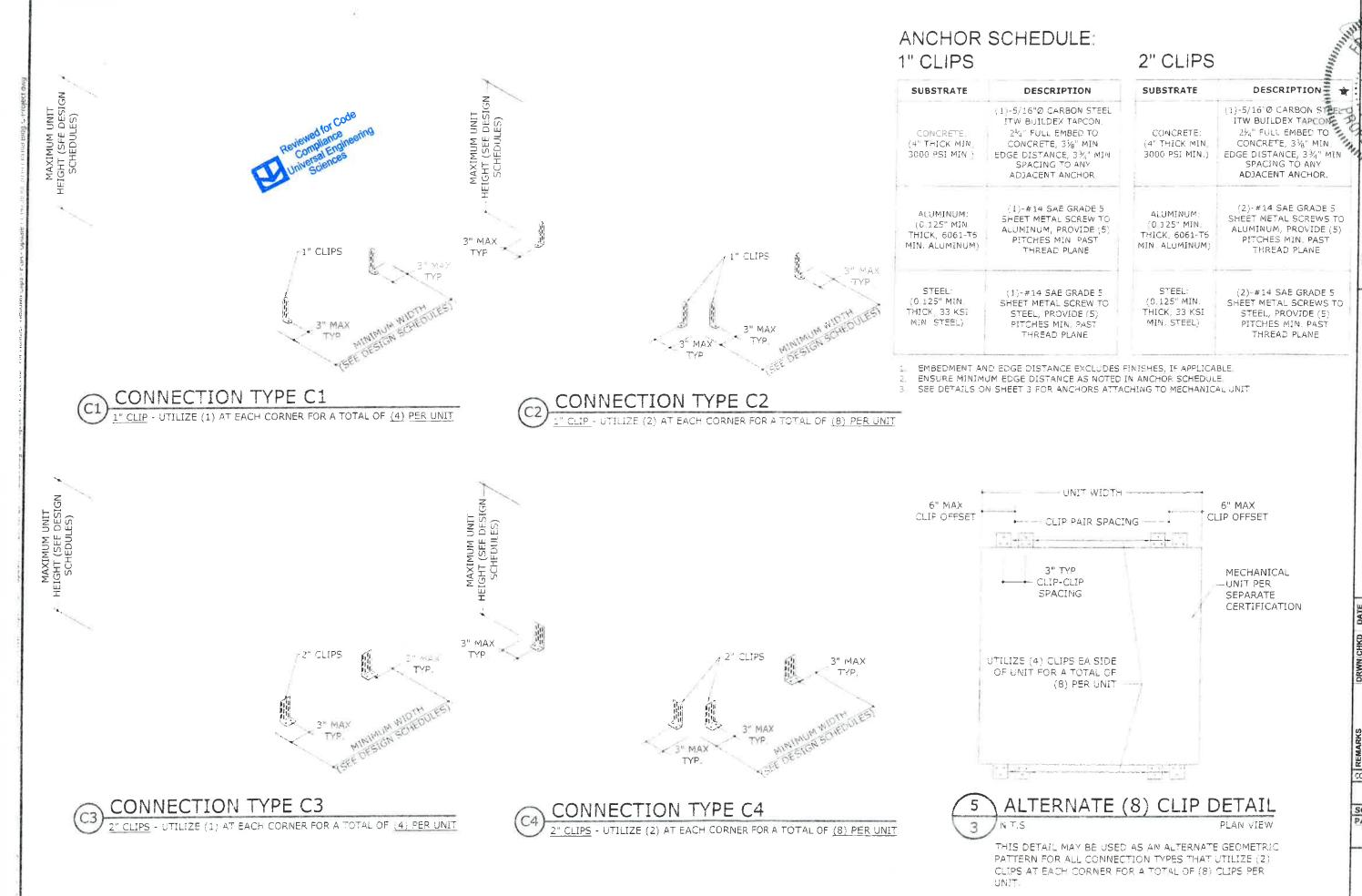
PH: (727) 577-1613 CHANICAL UNIT STEEL TIE-DO

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SCALE: NTS

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FRANK L BENNARDO PE

EXPTENDED TO STAND THE SEACH STANDS S

INC.

CLIPS INTERNATIONAL, 1
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33471 STEEL TIE-DOWN APPROVAL FL#14239.

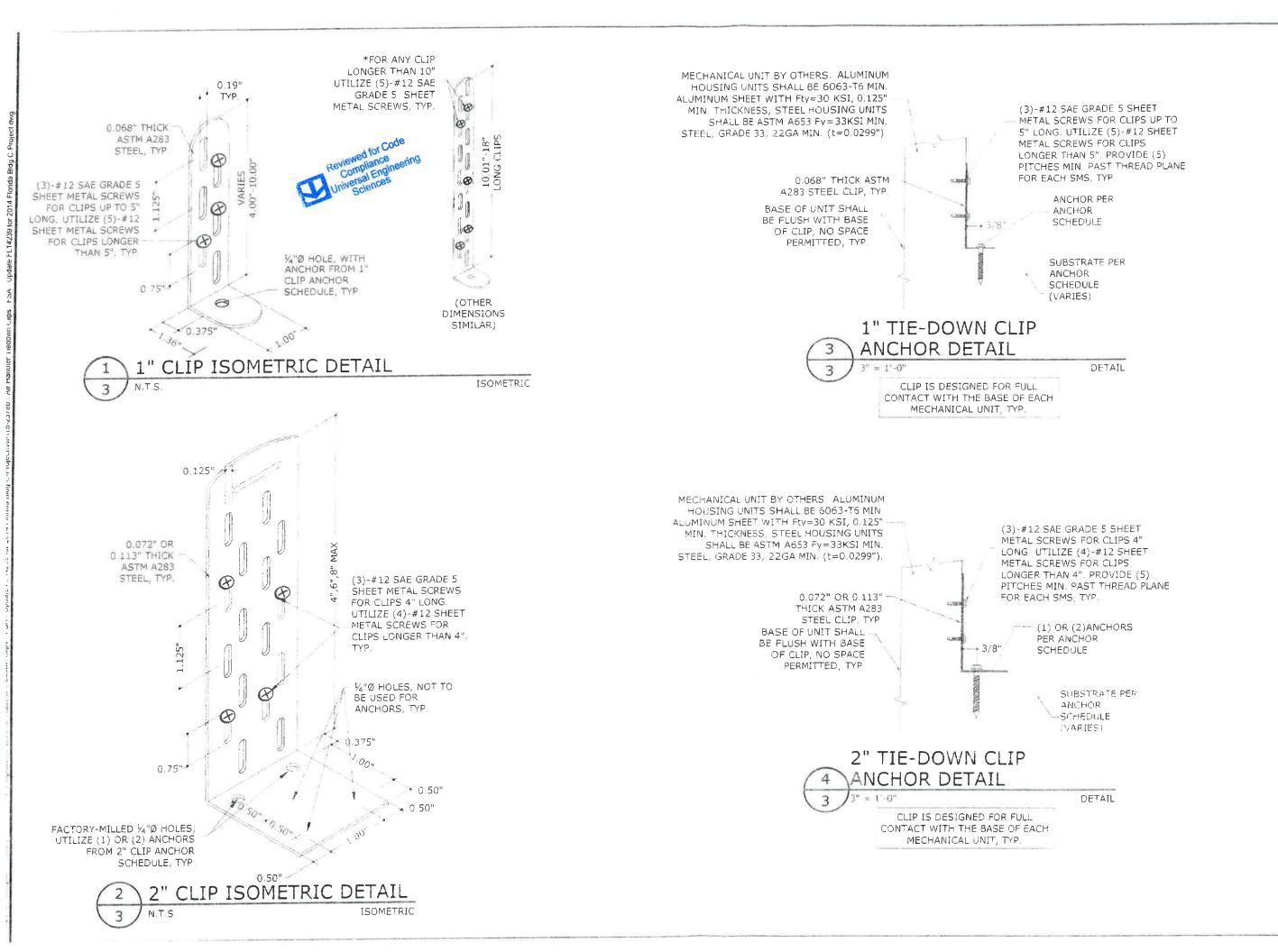
5TH EDITION (2014) PRODUCT

BMP

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FRANK L. BENNARDO F.

INTERNATIONAL, 4710 28TH STREET NORTH ST. PETERSBURG, FL 33471 PH: (727) 577-1613

4710 28TH STREE ST. PETERSBURG, PH: (727) 577 MECHANICAL UNIT STEEL FBC 5TH EDITION (2014) PRODUCT APPROVAL FL#14239.

ORWN CHKD DATE
1) TSB FLB 12-11-11
CSL TSB 02-15-13
1) RWN CSL 04-06-15

BMP

INT ISSUE (11-BMP-0001) TS
REV FOR UNITS
CS
REV FOR FBC 5TH (2014) RW

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TABLE 1: Vult=175 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE*)

| T (H) TYPE |
|--------------------|
| €4 |
| H ≤ 200°FT |
| H ≤ 60 FT |
| H ≤ 200 FT |
| ~ <u>\$ 200</u> FT |
| H ≤ 160 FT |
| H ≤ 40 FT |
| AT GRADE |
| |

^{*}THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND MIAMI-DADE COUNTIES, CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES

TABLE 3: Vult=170 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY IF STRUCTURE*)

| | | | | | PF-TOP HEIGHT (H) | |
|--|----------------|---------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | UNIT HEIGHT | UNIT WIDTH | C1 | C2 | С3 | C4 |
| 6 FT ² | 24" MAX | 12" MIN | N/A | H ≤ 200 FT | AT GRADE 50 FT < H ≤ 160 FT | H ≤ 200 FT |
| 9 FŢ² | 32" MAX | 15" MIN | N/A | H ≤ 15 FT 60 FT < H ≤ 200 FT | AT GRADE | H ≤ 200 FT |
| 4 FT ² | | | AT GRADE 60 FT < H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| 6 FT ² | | | AT GRADE | H ≤ 200 FT | H ≤ 40 FT 50 FT < H ≤ 200 FT | H ≤ 200 FT |
| 9 FT² | 48" MAX | 24" MIN | N/A | H ≤ 200 FT | AT GRADE 60 FT < H ≤ 80 FT | H ≤ 200 FT |
| 12 FT ² | | | N/A | AT GRADE 60 FT < H ≤ 200 FT | N/A | H ≤ 200 FT |
| 16 FT² | | | N/A | AT GRADE | N/A | H ≤ 200 FT |
| 20 FT² | | | N/A | AT GRADE | N/A | ਰ ≤ 200 FT |
| DS FTA | | | N/A | N/A | N/A | H ≤ 30 FT 60 FT < H ≤ 200 FT |
| ac h | 83" MAK | 48" / N. | N/A | N/A | N/A | AT GRADE 60 FT < H ≤ 180 FT |
| 36 FT ² | | | N/A | N/A | N/A | AT GRADE |

^{*}AS AN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN PALM BEACH COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

TABLE 2: Vult=175 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE*)

ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE

| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | UNIT HEIGHT | UNIT HTGIW | C1 | C2 | C3 | <u>C4</u> |
|--|----------------|---------------|------------|------------|----------|------------|
| 6 FT ² | 24" MAX | 12" MIN | N/A | AT GRADE | AT GRADE | H ≤ 200 FT |
| 9 FT² | 32" MAX | 15" MIN | N/Δ | AT GRADE | N/A | H ≤ 30 FT |
| 4 FT² | | | AT GRADE | H ≤ 200 FT | AT GRADE | H ≤ 200 FT |
| 6 FT² | | | N/A | H ≤ 15 FT | AT GRADE | H ≤ 200 FT |
| 9 FT² | 48" MAX | 24" MIN | N/A | AT GRADE | AT GRADE | ⊢ ≤ 80 FT |
| 12 FT² | | | N/D | AT GRADE | N/A | AT GRADE |
| 16 FT ² | | | N/A | AT GRADE | N/A | AT GRADE |
| 20 FT ² | | | N/A | AT GRADE | N/A | AT GRADE |
| 25 FT² | COUNTRY | 4.01. 4.413.1 | N/A | N/A | N/A | AT GRADE |
| 30 FT² | 60" MAX | 48" MIN | N/A | N/A | N/A | AT GRADE |
| 36 FT² | | | N/A | N/A | N/A | AT GRADE |

^{*}THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HVHZ WHICH CONTAINS BROWARD AND MIAMI-DADE COUNTIES, CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

TABLE 4: Vult=170 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTUPE*)

| | | | | | FIGURATION TYPE | | | | | | | |
|--|----------------|---------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--|-----|-----|-----|---------------------------------|
| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | UNIT HEIGHT | UNIT WIDTH | C1 | C2 | C3 | C4 | | | | | | |
| 6 FT² | 24" MAX | 12" MIN | N/A | H ≤ 200 FT | AT GRADE 60 FT < H ≤ 80 FT | H ≤ 200 FT | | | | | | |
| 9 F T² | 32' MAX | 15" MIN | N/A | AT GRADE 60 FT < H ≤ 200 FT | N/A | H ≤ 200 FT | | | | | | |
| 4 FT2 | | | AT GRADE 60 FT < H ≤ 100 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | | | | | | |
| 5 FT² | | | N/A | H ≤ 200 FT | H ≤ 15 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT | | | | | | |
| 9 FT² | 48" MAX | 24" MIN | N/A | H ≤ 15 FT 60 FT < H ≤ 200 FT | AT GRADE | H ≤ 200 FT | | | | | | |
| 12 FT² | | | N/A | AT GRADE 6C FT < H ≤ 120 FT | N/A | H ≤ 200 FT | | | | | | |
| 16 FT² | | | | | | | | | N/A | N/A | N/A | H ≤ 40 FT 60 FT < H ≤ 200 FT |
| 20 FT ² | | | N/A | AT GRADE | N/A | H ≤ 40 FT 60 FT < H ≤ 200 FT | | | | | | |
| 25 FT² | | | N/A | N/A | N/A | AT GRADE 60 FT < H ≤ 200 FT | | | | | | |
| 30 FT² | 60" MAX | 48" lytter | N/A | N/A | N/A | AT GP.ADE 60 FT < H ≤ 100 FT | | | | | | |
| 36 FT² | | | N/A | N/A | N/A | AT GRADE | | | | | | |

^{*}AS AN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN PALM BEACH COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

INC. EXPINEERING P. 160 SW 12th AVENUE: \$1842 C. 160 SW 1843 SA40 C. 160 SW 1843 SW 184

IP INTERNATIONAL, I
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33471
PH: (727) 577-1613

| ISSUE (11-BMP-0001) | TSB | FLB | 12-11-11 |
| FOR UNITS | CSL | TSB | 02-15-13 |
| FOR FBC 5TH (2014) | RWN | CSL | 04-06-15 |
| CSL | CSL | CA-06-15 |
| CSL | CSL | CSL | CSL | CSL |
| CSL | CSL | CSL | CSL | CSL |
| CSL | CSL | CSL | CSL | CSL | CSL |
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| CSL | CS

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TABLE 5 : Vult=140 MPH, EXPOSURE B

(FOR USE WITH A RISK CATEGORY II STRUCTURE*)

ALLOWABLE ROOF-TOP HEIGHT (H)

| | MAXIMUM SURFACE AREA OF UNIT'S LARGEST | UNIT HEIGHT | UNIT WIDTH | Review Con Unive | Ned to Detail Confinence impliance insal Engineering issal Engineering Sciences C2 | C3 | C4 |
|---|--|----------------|---------------|--|--|---------------------------------|------------|
| | FACE | | 404 A MA | H ≤ 15 FT | H ≤ 200 FT | H ≤ 200 FT | ∺ ≤ 200 FT |
| | 6 FT² | 24" MAX | 12" MIN | 60 FT < H ≤ 120 FT | H S 200 F 7 | 1132001 | |
| | 9 FT2 | 32" MAX | 15" MIN | AT GRADE | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| | 4 FT? | | | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| | 6 FT ² | | | H ≤ 40 FT 60 FT < H ≤ 200 FT AT GRADE 60 FT < H ≤ 80 F7 AT GRADE | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| | 9 FT ² | 48" MAX | 24' MIN | | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| | 12 FT² | | | | H ≤ 200 FT | H ≤ 40 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT |
| * | 16 FT² | | | N/A | H ≤ 200 FT | H ≤ 15 FT 60 FT < H ≤ 100 FT | H ≤ 200 FT |
| | 20 FT ^z | | | N/A | H ≤ 200 FT | H ≤ 15 FT 60 FT < H ≤ 180 FT | H ≤ 200 FT |
| | 25 FT² | | | N 0 | H ≤ 40 FT 60 FT < H ≤ 200 FT | AT GRADE 60 FT < H ≤ 80 FT | H ≤ 200 FT |
| | 80 FT ¹ | 60" MAX | 48" MIN | N/A | H ≤ 15 FT 60 FT < H ≤ 150 FT | AT GRADE | H ≤ 200 FT |
| | 36 FT² | | | N/A | AT GRADE 60 FT < H ≤ 80 FT | AT GRADE | H ≤ 200 FT |
| | | | | | | | |

TABLE 6 : Vult=140 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY II STRUCTURE*)

ALLOWABLE ROOF-TOP HEIGHT (H)
TIE-DOWN CONFIGURATION TYPE

| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | UNIT HEIGHT | UNIT WIDTH | C1 | C2 | C3 | C4 = 100 F1 |
|--|----------------|---------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 6 FT2 | 24° MAX | 12" MIN | AT GRADE | Ħ ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| 9 FT ² | 32" MAX | 15" MIN | N/A | H ≤ 200 FT | H ≤ 15 FT 60 FT < H ≤ 200 FT | n ≤ 200 FT |
| △ FT² | | 5 | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| 6 FT ² | | | AT GRADE 60 FT < H ≤ 180 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT |
| 9 FT² | 48" MAX | 24" MIN | AT GRADE | H ≤ 200 FT | H ≤ 40 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT |
| 12 FT² | | | N/A | H ≤ 200 FT | AT GRADE 60 FT < H ≤ 140 FT | H ≤ 200 FT |
| 16 FT² | | | N/A | H ≤ 15 FT 60 FT < H ≤ 200 FT | AT GRADE | H ≤ 200 FT |
| 20 FT² | | | N/A | H ≤ 30 FT 60 FT < H ≤ 200 FT | AT GRADE | H ≤ 200 FT |
| 25 FT² | | | 9.2 | AT GRADE 50 FT 4 H 5 140 PT | AT GRADE | H ≤ 200 FT |
| 30 FT² | 60" MAX | #5 min | 9.3 | AT GRADE | N/A | H ≤ 200 FT |
| 36 FT² | | | N/A | AT GRADE | N/A | H ≤ 30 FT 60 FT < H ≤ 200 FT |

TABLE 7: Vult=140 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTURE*)

| | | | ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE | | | | | | | |
|--|----------------|---------------|---|---------------------------------|---------------------------------|---------------------------------|--------------------------------|-----|------------|--------------------------------|
| MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE | UNIT HEIGHT | UNIT WIDTH | C1 | Ω | C3 | C4 | | | | |
| 6 FT ² | 24" MAX | 12" MIN | N/A | H ≤ 200 FT | H ≤ 30 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT | | | | |
| 9 F.T ² | 32" MAX | 15" MIN | N/A | H ≤ 200 FT | AT GRADE 60 FT < H ≤ 140 FT | H ≤ 200 FT | | | | |
| 4 FT² | | | H ≤ 40 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | | | | |
| 6 FT² | | | AT GRADE 60 FT < H ≤ 100 FT | H ≤ 200 FT | H ≤ 200 FT | H ≤ 200 FT | | | | |
| 9 FT ² | 48" MAX | 24" MilN | N/A | H ≤ 200 FT | H ≤ 15 FT 60 FT < H ≤ 200 FT | H ≤ 200 FT | | | | |
| 12 FT² | | | N'A | H ≤ 40 FT 60 FT < H ≤ 200 FT | AT GRADE 60 FT < H ≤ 80 FT | H ≤ 200 FT | | | | |
| 16 FT² | | | | | | N/A | AT GRADE 60 FT < H ≤ 200 FT | N/A | H ≤ 200 FT | |
| 20 FT² | | | N/A | AT GRADE 60 FT < H ≤ 200 FT | AT GRADE | H ≤ 200 FT | | | | |
| 25 FT | | | MA | AT GRADE 60 FT < H ≤ 80 FT | N/A | H ≤ 200 FT | | | | |
| 26 6 | 60° MAX | 43 MIG | 74, 4 | N/A | N/A | H ≤ 40 FT 60 FT < H ≤ 200 FT | | | | |
| = 36 FT ² | | | | | | | N/A | N/A | N/A | AT GRADE 60 FT < H ≤ 200 FT |

BMP INTERNATIONAL, INC.

4710 28TH STREET NORTH
ST. PETERSBURG, FL 33471
PH: (727) 577-1613
DEERFIELD BEAC

BENNARDO PE

001) TSB FLB 12-11-11
CSL TSB 9-12-15-13
(4) RWN CSL 04-08-15
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*AS AN EXAMPLE, THESE TABLES ARE PERMISSIBLE TO BE USED WITHIN BREVARD COUNTY. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/7/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

| th | IPORTANT: If the certificate holder is e terms and conditions of the policy, ertificate holder in lieu of such endors | , certa | ain p | olicies may require an er | ndorse | ment. A stat | | | | |
|--|--|----------------|---------------------|--|----------------|---|--|--|----------|------------|
| PRO | DUCER | | | | CONTA NAME: | Pat DiP | etro | | | |
| Blac | kadar Insurance Agency, Inc. | | PHONE (A/C, N | o. Ext. 407-83 | 1-3832 | FAX (A/C, | No:407-83 | 30-4681 | | |
| 1436 N Ronald Reagan Blvd Longwood FL 32750 | | | | | | ss:Pat@blac | kadar.com | | | |
| | 9,,000,7202,00 | | | | | | | ROWG COVERAGE | | NAIC# |
| | 18 | | | | INSURI | R A :Addison | Insurance (| Company | | 10324 |
| INSU | RED | AMEF | RAIF | ₹-01 | INSURI | ERB FFVA M | utual Insura | nce Company | | 10385 |
| | erican Air & Heat, Inc. | | | | INSURI | ER C :Old Rep | ublic Surety | | | |
| | S. Econ Circle edo FL 32765 | | | | INSURER D : | | | | | |
| | 300 FL 32703 | | | | | | | | | |
| | 7.5 | | | | INSUR | ERF: | | | | |
| CO | VERAGES CER | TIFIC | ATE | E NUMBER: 1069747968 | 3 | | | REVISION NUMBER | ₹: | |
| C | HIS IS TO CERTIFY THAT THE POLICIES IDICATED. NOTWITHSTANDING ANY RE ERTIFICATE MAY BE ISSUED OR MAY XCLUSIONS AND CONDITIONS OF SUCH | PERTA POLIC | EME AJN, JES. | NT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE | OF AN ED BY | Y CONTRACT THE POLICIE REDUCED BY | OR OTHER I S DESCRIBEI PAID CLAIMS | DOCUMENT WITH RES D HEREIN IS SUBJECT | SPECT TO | WHICH THIS |
| INSR LTR | TYPE OF INSURANCE | ADDL | SUBR | POLICY NUMBER | | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | L | LIMITS | |
| A | GENERAL LIABILITY | | | 60362417 | | 7/22/2016 | 7/22/2017 | EACH OCCURRENCE | \$1,000 | .900 |
| | COMMERCIAL GENERAL LIABILITY | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$100,0 | 00 |
| | CLAIMS-MADE X OCCUR | | | | | | | MED EXP (Any one person) | \$5,000 | |
| ١ | | | | 1 | | 1 | (I) I | PERSONAL & ADVINUEN | v 51 000 | 000 |

| TR | TYPE OF INSURANCE | INSR | WVD | POLICY NUMBER | (MM/DD/YYYY) | (MM/DD/YYYY) | LIMIT | \$ |
|----|--|------|-----|-------------------|--------------|--------------|--|-------------------------------------|
| | COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR | | | 60362417 | 7/22/2016 | 7/22/2017 | EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) | \$1,000,000 \$100,000 \$5,000 |
| | | | | | - | | PERSONAL & ADV INJURY GENERAL AGGREGATE | \$1,000,000 \$2,000,000 |
| | GENTL AGGREGATE LIMIT APPLIES PER: POLICY PRO- LOC | | > | . Wa | | | PRODUCTS - COMP/OP AGG | \$2,000,000 \$ |
| | AUTOMOBILE LIABILITY ANY AUTO | | | 60362417 | 7/22/2016 | 7/22/2017 | COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) | \$1,000,000 \$ |
| | ALL OWNED X SCHEDULED AUTOS X HIRED AUTOS X AUTOS NON-OWNED AUTOS X AUTOS | | | *a | | | BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) | \$ |
| | UMBRELLA LIAB OCCUR | | | | | | EACH OCCURRENCE | s |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | WC84000170502016A | 7/22/2016 | 7/22/2017 | X WC STATU- OTH- TORY LIMITS ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT | |
| | Business Services Bond | | | OBS0539627 | 2/17/2016 | 2/17/2017 | Limit | \$25,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Blanket Additional Insured with respect to the General Liability when required by contruction agreement and Business Auto when required by written contract. Blanket Waiver of Subrogation applies to Workers' Compensation and Business Auto when required by written contract.

| CERTIFICATE HOLDER | CANCELLATION | |
|---|---|--|
| City of Belle Isle Building Department 1600 Nela Avenue Belle Isle FL 32809 | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFOR THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. | |
| · · · · · · · · · · · · · · · · · · · | AUTHORIZED REPRESENTATIVE | |

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STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD 1940 NORTH MONROE STREET TALLAHASSEE FL 32399-0783

(850) 487-1395

BENT, JERRY LEE AMERICAN AIR & HEAT INC 502 SOUTH ECON CIRCLE OVIEDO FL 32765



SEMINOLE COUNTY BUSINESS TAX RECEIPT

RAY VALDES, SEMINOLE COUNTY TAX COLLECTOR

PO Box 639 " Sanford, FL 32772-8639 " Telephone: 407-665-1999 www.seminoletax.org

VALID THROUGH 09/30/17

AMERICAN AIR & HEAT INC 592 S ECON CIR OVIEDO, FL 32765

Account #:067013

MATTHEW A BONI (OFFICER)

REGULATED License # - CMCO49238 Onslifer- JERRY BENT

Receipt #: WER#2016080913025

Amount Paid: \$ 45.00

Date Paid: 08/09/2016

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION CONSTRUCTION INDUSTRY LICENSING BOARD

CMC049238 - 1

THE MECHANICAL CONTRACTOR Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration dates AUG 31, 2018

BÉNT, JETRÝ LEÉ AMÉRICAN AIR & HEADAN 502 SOUTH ECON CIRCH



ISSUED: 06/20/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1606200000810



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2016.

Certificate of Product Ratings

AHRI Certified Reference Number: 9139929

Date: 3/29/2017

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: 14HPX-036-230-21

Indoor Unit Model Number: CBX27UH-036-230*+TDR

Manufacturer: LENNOX INDUSTRIES, INC.

Trade/Brand name: LENNOX

Series name: MERIT 14HPX SERIES

Manufacturer responsible for the rating of this system combination is LENNOX INDUSTRIES, INC.

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):

34800

EER Rating (Cooling):

12.50

SEER Rating (Cooling):

15.20

Heating Capacity(Btuh) @ 47 F:

32800

Region IV HSPF Rating (Heating): 8.70

Heating Capacity(Btuh) @ 17 F:

20400

AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at www.ahrldirectory.org.

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This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced; copied; disseminated; entered into a computer database; or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.

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AIR-CONDITIONING, HEATING,

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CERTIFICATE NO.:

131352903299647088

^{*} Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

| | | | HEAT GAIN | | |
|-------------------------------|--|----------|--|-----------|---------|
| Name (L) | RAND | | | | |
| Address | | | | | |
| City, Zip | | | | | |
| CALL INST: | | | | | |
| COOLING LOAD (H | EAT LOSS) 95 DEC | GREE DAY | T - T - | 7 | |
| WINDOWS | | AREA | BTU GAIN | HEAT GAIN | |
| VORTH (SINGLE) | | 10 | 25 | | |
| VORTH (DOUBLE |) | 0 | 20 | 250 | |
| EAST/WEST (SIN | IGLE) | 80 | 55 | 0 | |
| AST/WEST (DO | | 0 | 50 | 4400 | |
| SOUTH (SINGLE) | | 45 | 30 | 1350 | |
| SOUTH (DOUBLE |) | 0 | 25 | 1330 | |
| | | | | | |
| DOORS | | | | | |
| | | 36 | 15 | 540 | |
| | | | <u> </u> | J-10 | |
| VALLS | | | | | |
| NO INSULATION | | 1615 | 8 | 12920 | |
| ₹-3 1" | | 0 | 4.5 | 0 | |
| | | | | | |
| EILINGS | | | | | |
| O INSULATION | | 0 | 11 | | |
| ₹-11 3" | | 0 | 3 | 0 | |
| R-19 6" | | 0 | 1.5 | 0 | |
| ₹-25 9" | | 1920 | 1.2 | 0 | |
| | | 1020 | 1.2 | 2304 | |
| LOORS | | | | | |
| O INSULATION | | 0 | 3 | 0 | |
| CARPET | | 0 | 2 | 0 | |
| R-11 | | 0 | 1 | 0 | |
| LAB ON GRADE | | 1920 | 0 | 0 | |
| | | | | | |
| NFILTRATION | | | | | |
| OME SQ. FEET | | 1920 | 2.5 | 4800 | |
| | | | 213 | 7000 | |
| NTERNAL GAINS | A. T. C. | | | | |
| IUMBER OF OCCI | | 4 | 530 | 2120 | |
| ITCHEN/BATH A | | 1 | 1250 | 1250 | |
| | | | | 1230 | |
| UB TOTAL | | | | 29934 | |
| | | | | | |
| UCT MULTIPLIER | 20. *11.53 | | | 1.13 | |
| New and Supplemental Comments | | | | | Tonnage |
| OTAL | Table (Tri) | | | 33825.4 | 2.8 |
| Salar Company | | | | | |