



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://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 to violate 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 commencement. **WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD.** PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

**Scope of Work:** MECHANICAL: one 5-ton change out

**Comments:** None

**Project Information**

**Address:** 5007 St. Denis Ct, Belle Isle, FL 32812  
**Parcel ID:** 18-23-30-1388-04-020  
**Property Owner:** Singleton, Christian  
**Phone Number:** 407 325 5829

\*\*\*\*\*  
**Company Name:** Del-Air Heating, A/C & Refrigeration Inc  
**Contractor Name:** Del Russo, Robert  
**License Number:** CAC032448  
**Address:** 531 Codesco Way, Sanford, FL 32771  
**Phone Number:** 407-585-3004

**Permit Number: 2016-03-062**

**Date of Application:** 03/25/2016

**Date Permit Issued:** 03/28/2016

**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 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 FEATURES**

**IMPACT FEES**

School \$  
 Traffic \$

**ZONING FEES**

Zoning Fee \$

**UNIVERSAL ENG - BUILDING FEES**

Cert of Occ \$  
 Demo \$  
 Building \$  
 Fence \$  
 Driveway \$  
 Shed \$  
 Window(s) \$  
 Door(s) \$  
 PrePower \$  
 Electrical \$  
 Temp Pole \$  
 Plumbing \$  
 Mechanical \$101.50  
 Gas \$  
 Roofing \$  
 Boat Dock \$  
 Screen Encl \$  
 Swimming Pool \$  
 Sign \$

**SURCHARGE FEES**

Surcharge Fee \$2.00  
 Surcharge Fee \$2.00

**TOTAL FEES \$104.50**

**Date Paid** 4-11-16

**CC or Check #** MC 0139

**Amount Paid** 104.50

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).

**BUILDING INSPECTOR USE ONLY**

IF APPLICABLE:

Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions

Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO

**BUILDING**

1<sup>st</sup> \_\_\_\_\_ (Footing/Foundation)  
 Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? \_\_\_\_\_

2<sup>nd</sup> \_\_\_\_\_ (Slab)

3<sup>rd</sup> \_\_\_\_\_ (Lintel)(Wall Reinforcing on Masonry Building)

4<sup>th</sup> \_\_\_\_\_ (Exterior Framing)(Roof/Wall Sheathing)

5<sup>th</sup> \_\_\_\_\_ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)

6<sup>th</sup> \_\_\_\_\_ (Insulation to be Made After Roof Installed)

7<sup>th</sup> \_\_\_\_\_ (Drywall)

8<sup>th</sup> \_\_\_\_\_ (Sidewalk/Driveway)

9<sup>th</sup> \_\_\_\_\_ (Other)

10<sup>th</sup> \_\_\_\_\_ (Final – After MEP and Other Applicable Finals)

**ROOFING**

1<sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing \_\_\_\_\_

2<sup>nd</sup> ROOFING Covering In-Progress \_\_\_\_\_

3<sup>rd</sup> ROOFING Covering Final \_\_\_\_\_

**PLUMBING** (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1<sup>ST</sup> \_\_\_\_\_ (Underground) 2<sup>nd</sup> \_\_\_\_\_ (Sewer)

3<sup>rd</sup> \_\_\_\_\_ (Rough-In/Tub Set) 4<sup>th</sup> \_\_\_\_\_ (Final)

**CHECK APPROPRIATE BOX**

**GAS** \_\_\_ Natural \_\_\_ LP  **MECHANICAL**  **ELECTRICAL**  **LOW VOLTAGE**

1<sup>st</sup> \_\_\_\_\_ (Rough-In) 2<sup>nd</sup> \_\_\_\_\_ (Final)

Inspection requests are to be emailed to [BDscheduling@UniversalEngineering.com](mailto:BDscheduling@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.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com>

login ID = [cobi@universalengineering.com](mailto:cobi@universalengineering.com)

password = universal13



City of Belle Isle

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

RECEIVED  
MAR 25 2016

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: 3-25-16 PERMIT NUMBER 206-03-062  
PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address: 5007 St Denis Ct Belle Isle FL 32809  32812  
Property Owner: CHRISTIAN S. GELTON Phone: \_\_\_\_\_  
Property Owner's Mailing Address: 5007 St Denis Ct City: Belle Isle  
State: FL Zip Code: 32812 Parcel Id Number: 18-03-30-4388-04-020  
To obtain this information, please visit: <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

Class of Building: Old  New   
Type of Building: Residential  Commercial  Other   
Type of Work: New  Alteration  Addition  Repair

- REQUIRED certified Tie Down Engineering documentation (can be found at [www.floridabuilding.org](http://www.floridabuilding.org))
- REQUIRED: if adding A/C to new space, provide Energy Calculations & Equipment Sizing Calculations
- REQUIRED: if replacing unit with no duct work, Duct Certification as per FB 101.4.7.1, must be posted on unit

Please indicate the nature of work by completing the information below:

Air Conditioning: # of Units 1 Tons Per Unit 5 Total Tons 5  
Type of System: Water to Air  Chiller  Split System  Package  Heat Pump   
Heating: # of Units KWS Per Unit 9 Total KWS 4 BTU's 36400  
Oil  Electric  Boiler  Gas

(A) Estimated Cost Fee \$ 12,033

Fees for items below are based on valuation of all units, equipment, materials and labor supplied by owner or contractor.

Ventilation: (Number of) Grease \_\_\_\_\_ Heat \_\_\_\_\_ Hoods, Air Intakes \_\_\_\_\_ Exhaust Fans \_\_\_\_\_ Dryer Vents \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

Refrigeration: Number of units \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

Piping: Air \_\_\_\_\_ Vacuum \_\_\_\_\_ Steam \_\_\_\_\_ Chill Water \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

Others: (Specify) \_\_\_\_\_ Estimated Cost \$ \_\_\_\_\_

Was the space previously Air Conditioned? Yes \_\_\_\_\_ No \_\_\_\_\_ (B) Estimated Cost Fee \$ \_\_\_\_\_

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances.

LICENSE HOLDER SIGNATURE \_\_\_\_\_ LICENSE # CAC032418  
LICENSE HOLDER NAME: Robert Dello Russo COMPANY NAME Delair Heating & A/C  
Street Address 531 Codisro Way  
City Sanford State FL Zip Code 32771 Phone Number 407 333 2665  
Email Address rdello@delair.com

Building Official: [Signature] Date 3-28-16 Permit Fee \$ 67-  
Verified Contractor's Licenses & Insurance are on file [Signature] Date 3-28-16 Review Fee \$ 33.50  
3% Florida Surcharge \$ 4-  
Total Permit Fee \$ 104.50

NOC needed

NOTE: The Building Permit Number is required if the Mechanical Installation is associated with any construction or alteration where a Building Permit has been issued.

wo 65941  
base 37  
5 hrs x 5b 30  
67 = 2  
33.50  
100.50

RS 13.00

Permit Number:  
Folio/Parcel ID #: 18 23-35-4388-04-600  
Prepared by:

DOCM 20160164827  
04/01/2016 12:20:17 PM Page 1 of 1  
Rec Fee: \$10.00  
Martha O. Haynie, Comptroller  
Orange County, FL  
MB - Ret To: DELAIR

Return to: Delair  
531 Cochise Way  
Sanford FL 32771



*[Handwritten initials]*

**NOTICE OF COMMENCEMENT**

State of Florida, County of Orange

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property (legal description of the property, and street address if available)  
Cane Convey Estates Section Eight Parcel 2/66 107402
2. General description of improvement  
HVAC Full System CO PRODUCT WORK
3. Owner information or Lessee information if the Lessee contracted for the improvement  
Name Christian Singleton  
Address 5007 St Dennis Ct  
Interest in Property owner  
Name and address of fee simple titleholder (if different from Owner listed above)  
Name \_\_\_\_\_  
Address \_\_\_\_\_
4. Contractor  
Name Delair  
Address 531 Cochise Way Sanford 32771  
Telephone Number 407 333 2665
5. Surety (if applicable, a copy of the payment bond is attached)  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone Number \_\_\_\_\_
6. Lender  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone Number \_\_\_\_\_
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone Number \_\_\_\_\_
8. In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone Number \_\_\_\_\_
9. Expiration date of notice of commencement (the expiration date will be 1 year from the date of recording unless a different date is specified) \_\_\_\_\_



State of Florida, County of Orange  
I hereby certify that this is a true copy of the document as reflected in the Official Records.  
MARTHA O. HAYNIE, COUNTY COMPTROLLER  
By Amby Wicks  
Deputy Comptroller  
4/1/16

**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN 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 COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT**

Christian Singleton  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager

Christian Singleton  
Signatory's Title/Office  
Name of person

The foregoing instrument was acknowledged before me this 20 day of 03/16 by Christian Singleton  
as owner for 5007 St Dennis  
Type of a party, e.g. officer, trustee, attorney in fact Name of party on behalf of whom instrument was acknowledged

Mirinda C. Turner  
Signature of Notary Public - State of Florida

MIRINDA C. TURNER  
MY COMMISSION # FF 223790  
EXPIRES: June 14, 2019  
Print, type, or stamp

Personally Known \_\_\_\_\_ OR Produced ID  
Type of ID Produced Passport 2017 1411209540

**DEL-AIR  
HEATING - AIR CONDITIONING  
REFRIGERATION, INC.**

Date

City Of Belle Isle  
Building Division

Dear Sir:

This letter is written to give authorization for Ernie Dalrymple to pull the mechanical permit for Del-Air Heating, Air Conditioning & Refrigeration, Inc. for 5007 Saint Denis Ct

Thank You,




Robert G. Dello Russo, President

DEL-AIR HEATING, AIR CONDITIONING &  
REFRIGERATION, INC.

RGDR/jd

Sworn to before me by Robert G. Dello Russo  
on this 23 day of March, 2009 ADL

  
NOTARY PUBLIC  
MY COMMISSION EXPIRES: 6/14/19



P.O. Box 520522  
Longwood, FL 32752-0522  
Phone (407)333-COOL (2665)  
(407)831-COOL (2665)

SALES  
SERVICE  
INSTALLATION



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: 8561558 Date: 3/20/2016

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

Outdoor Unit Model Number: XP20-060-230A\*\*

Indoor Unit Model Number: CBX32MV-060-230\*+TDR

Manufacturer: LENNOX INDUSTRIES, INC.

Trade/Brand name: ELITE

Series name: XP20 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):	56500
EER Rating (Cooling):	12.50
SEER Rating (Cooling):	19.00
Heating Capacity(Btuh) @ 47 F:	54500
Region IV HSPF Rating (Heating):	9.60
Heating Capacity(Btuh) @ 17 F:	36400

FootNote 11 - The AHRI 210/240 certified EER ratings are calculated under the same methodology as the EER ratings at T1 conditions of ISO 5151:2010 and ISO 13253:2011.



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

**DISCLAIMER**

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.ahridirectory.org.

**TERMS AND CONDITIONS**

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**

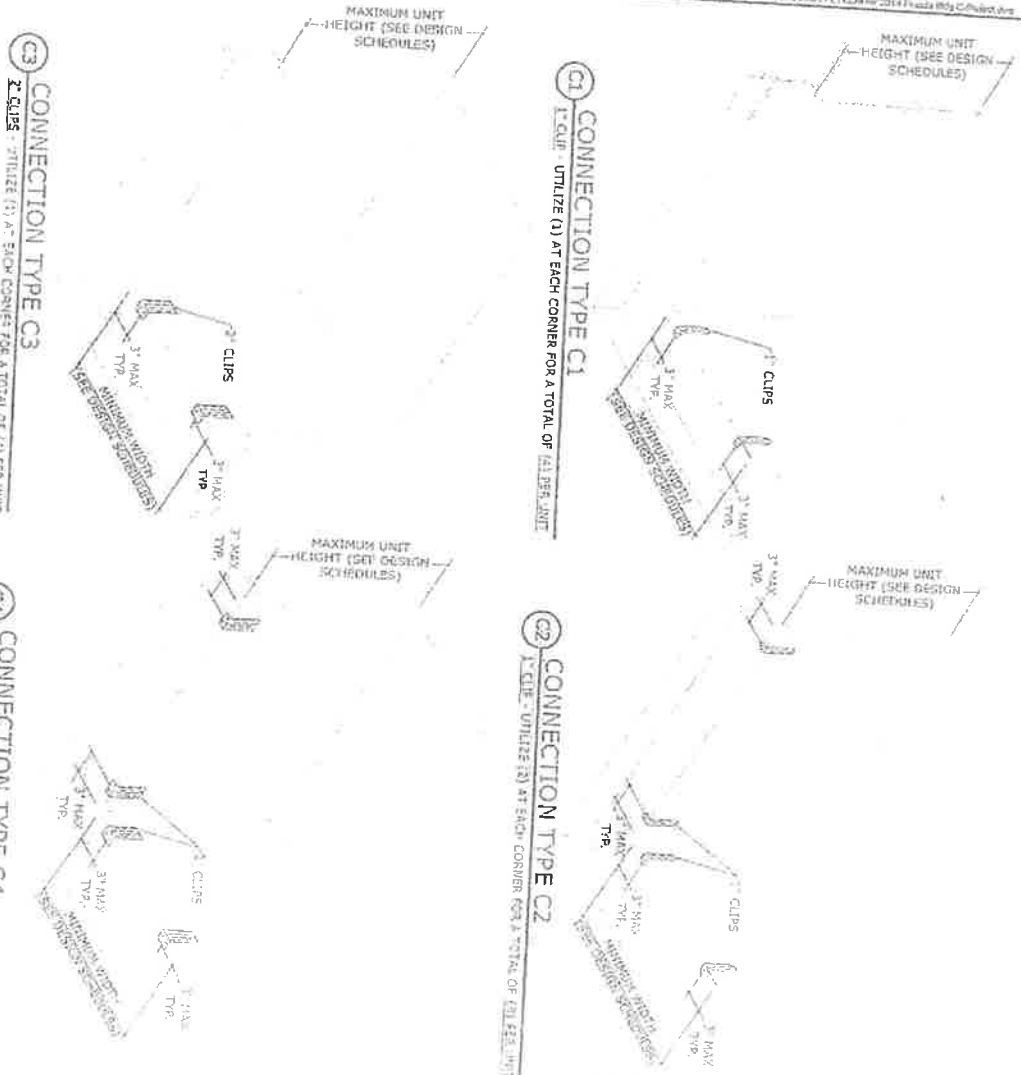
The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom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

©2014 Air-Conditioning, Heating, and Refrigeration Institute

**CERTIFICATE NO.:** 131029644255282431







**C3 CONNECTION TYPE C3**  
 2 CLIPS - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF 12 PER UNIT

**C1 CONNECTION TYPE C1**  
 1 CLIP - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF 4 PER UNIT

**C2 CONNECTION TYPE C2**  
 1 CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF 8 PER UNIT

**C4 CONNECTION TYPE C4**  
 2 CLIPS - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF 8 PER UNIT

**5 ALTERNATE SCHEDULE**

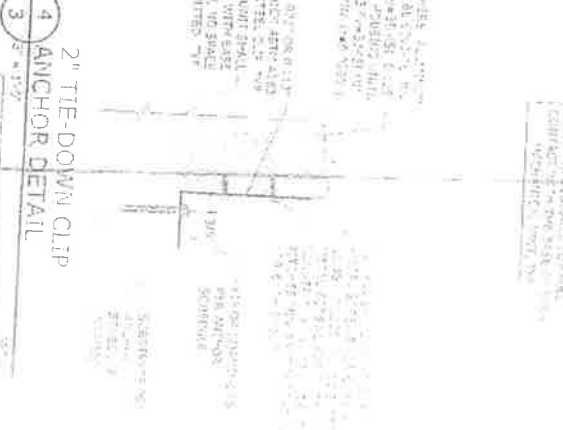
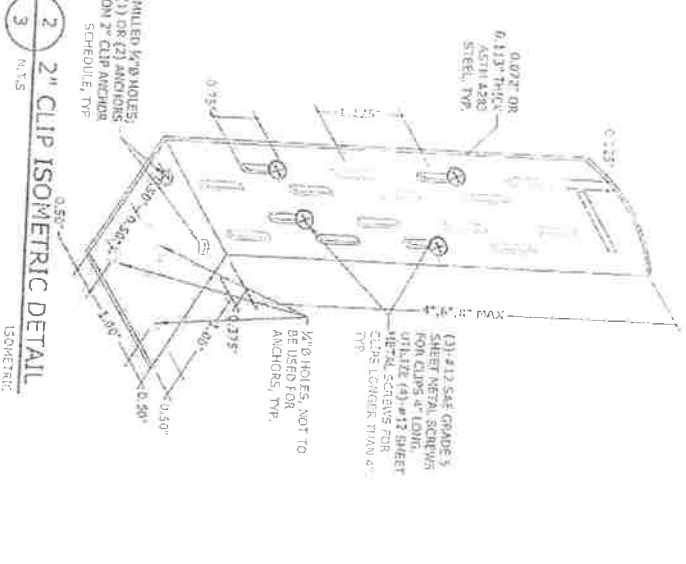
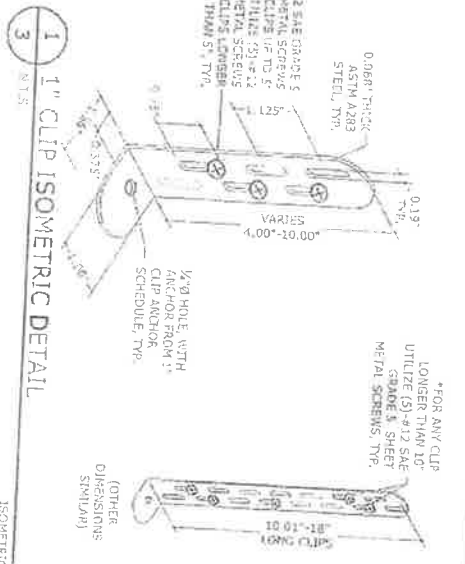
**ANCHOR SCHEDULE**  
 1" CLIPS

SUBSTRATE	DESCRIPTION	QTY PER UNIT
CONCRETE	1" CLIP	4
STEEL	1" CLIP	4
WOOD	1" CLIP	4
OTHER	1" CLIP	4



SEE NOTES AND SPECIFICATIONS FOR ALL CLIPS AT EACH CORNER FOR A TOTAL OF 12 PER UNIT

11-11-2014  
 11-11-2014



NO.	DESCRIPTION
1	CLIP ANCHOR
2	CLIP ANCHOR
3	CLIP ANCHOR
4	CLIP ANCHOR
5	CLIP ANCHOR
6	CLIP ANCHOR
7	CLIP ANCHOR
8	CLIP ANCHOR
9	CLIP ANCHOR
10	CLIP ANCHOR
11	CLIP ANCHOR
12	CLIP ANCHOR
13	CLIP ANCHOR
14	CLIP ANCHOR
15	CLIP ANCHOR
16	CLIP ANCHOR
17	CLIP ANCHOR
18	CLIP ANCHOR
19	CLIP ANCHOR
20	CLIP ANCHOR
21	CLIP ANCHOR
22	CLIP ANCHOR
23	CLIP ANCHOR
24	CLIP ANCHOR
25	CLIP ANCHOR
26	CLIP ANCHOR
27	CLIP ANCHOR
28	CLIP ANCHOR
29	CLIP ANCHOR
30	CLIP ANCHOR
31	CLIP ANCHOR
32	CLIP ANCHOR
33	CLIP ANCHOR
34	CLIP ANCHOR
35	CLIP ANCHOR
36	CLIP ANCHOR
37	CLIP ANCHOR
38	CLIP ANCHOR
39	CLIP ANCHOR
40	CLIP ANCHOR
41	CLIP ANCHOR
42	CLIP ANCHOR
43	CLIP ANCHOR
44	CLIP ANCHOR
45	CLIP ANCHOR
46	CLIP ANCHOR
47	CLIP ANCHOR
48	CLIP ANCHOR
49	CLIP ANCHOR
50	CLIP ANCHOR
51	CLIP ANCHOR
52	CLIP ANCHOR
53	CLIP ANCHOR
54	CLIP ANCHOR
55	CLIP ANCHOR
56	CLIP ANCHOR
57	CLIP ANCHOR
58	CLIP ANCHOR
59	CLIP ANCHOR
60	CLIP ANCHOR
61	CLIP ANCHOR
62	CLIP ANCHOR
63	CLIP ANCHOR
64	CLIP ANCHOR
65	CLIP ANCHOR
66	CLIP ANCHOR
67	CLIP ANCHOR
68	CLIP ANCHOR
69	CLIP ANCHOR
70	CLIP ANCHOR
71	CLIP ANCHOR
72	CLIP ANCHOR
73	CLIP ANCHOR
74	CLIP ANCHOR
75	CLIP ANCHOR
76	CLIP ANCHOR
77	CLIP ANCHOR
78	CLIP ANCHOR
79	CLIP ANCHOR
80	CLIP ANCHOR
81	CLIP ANCHOR
82	CLIP ANCHOR
83	CLIP ANCHOR
84	CLIP ANCHOR
85	CLIP ANCHOR
86	CLIP ANCHOR
87	CLIP ANCHOR
88	CLIP ANCHOR
89	CLIP ANCHOR
90	CLIP ANCHOR
91	CLIP ANCHOR
92	CLIP ANCHOR
93	CLIP ANCHOR
94	CLIP ANCHOR
95	CLIP ANCHOR
96	CLIP ANCHOR
97	CLIP ANCHOR
98	CLIP ANCHOR
99	CLIP ANCHOR
100	CLIP ANCHOR



TABLE 1: V<sub>W</sub>=175 MPH, EXPOSURE C  
(FOR USE WITH A RISK CATEGORY STRUCTURE IN THE 50% WINDSPEED HURRICANE ZONE 1)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE HEIGHT TO HEIGHT RATIO FOR EXPOSURE TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT

\*\*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE STATE OF CALIFORNIA FOR EXPOSURE TYPE C1 AND C2 ONLY. FOR EXPOSURE TYPE C3 AND C4, THE USER MUST CONSULT THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN SPECIFIC JURISDICTION COUNTRIES.

TABLE 3: V<sub>W</sub>=170 MPH, EXPOSURE C  
(FOR USE WITH A RISK CATEGORY II STRUCTURES)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE HEIGHT TO HEIGHT RATIO FOR EXPOSURE TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT

\*\*AS IN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN CALIFORNIA FOR EXPOSURE TYPE C1 AND C2 ONLY. FOR EXPOSURE TYPE C3 AND C4, THE USER MUST CONSULT THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN SPECIFIC JURISDICTION COUNTRIES.

TABLE 2: V<sub>W</sub>=175 MPH, EXPOSURE D  
(FOR USE WITH A RISK CATEGORY II STRUCTURES)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE HEIGHT TO HEIGHT RATIO FOR EXPOSURE TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT

\*\*THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE STATE OF CALIFORNIA FOR EXPOSURE TYPE C1 AND C2 ONLY. FOR EXPOSURE TYPE C3 AND C4, THE USER MUST CONSULT THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN SPECIFIC JURISDICTION COUNTRIES.

TABLE 4: V<sub>W</sub>=170 MPH, EXPOSURE D  
(FOR USE WITH A RISK CATEGORY II STRUCTURES)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE HEIGHT TO HEIGHT RATIO FOR EXPOSURE TYPE			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT

\*\*AS IN EXAMPLE, THIS TABLE IS PERMISSIBLE TO BE USED WITHIN CALIFORNIA FOR EXPOSURE TYPE C1 AND C2 ONLY. FOR EXPOSURE TYPE C3 AND C4, THE USER MUST CONSULT THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN SPECIFIC JURISDICTION COUNTRIES.

**TABLE 5 : V<sub>W</sub>=140 MPH, EXPOSURE B**  
 (FOR USE WITH A RISK CATEGORY 1 STRUCTURE)

PLANNED SURFACE AREA OF UNIT LARGEST FACE	UNIT HEIGHT	ALLOWABLE EXPOSURE HEIGHT (H) TO 50 MPH WINDS (MINIMUM)			
		C1	C2	C3	C4
6 FT	24" MAX	H ≤ 15 FT E0 FT < H < 120 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
4 FT	18" MAX	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
8 FT	30" MAX	H ≤ 40 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE E0 FT < H ≤ 50 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
11 FT	42" MAX	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
16 FT	48" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT	60" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
35 FT	108" MAX	N/A	H ≤ 90 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT
30 FT	90" MAX	N/A	H ≤ 15 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT	108" MAX	N/A	AT GRADE E0 FT < H ≤ 80 FT	H ≤ 200 FT	H ≤ 200 FT

**TABLE 6 : V<sub>W</sub>=140 MPH, EXPOSURE C**  
 (FOR USE WITH A RISK CATEGORY 1 STRUCTURE)

PLANNED SURFACE AREA OF UNIT LARGEST FACE	UNIT HEIGHT	ALLOWABLE EXPOSURE HEIGHT (H) TO 50 MPH WINDS (MINIMUM)			
		C1	C2	C3	C4
6 FT	24" MAX	H ≤ 15 FT E0 FT < H < 120 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
4 FT	18" MAX	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
8 FT	30" MAX	H ≤ 40 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE E0 FT < H ≤ 50 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
11 FT	42" MAX	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
16 FT	48" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT	60" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
35 FT	108" MAX	N/A	H ≤ 90 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT
30 FT	90" MAX	N/A	H ≤ 15 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT	108" MAX	N/A	AT GRADE E0 FT < H ≤ 80 FT	H ≤ 200 FT	H ≤ 200 FT

**TABLE 7 : V<sub>W</sub>=140 MPH, EXPOSURE D**  
 (FOR USE WITH A RISK CATEGORY 1 STRUCTURE)

PLANNED SURFACE AREA OF UNIT LARGEST FACE	UNIT HEIGHT	ALLOWABLE EXPOSURE HEIGHT (H) TO 50 MPH WINDS (MINIMUM)			
		C1	C2	C3	C4
6 FT	24" MAX	H ≤ 15 FT E0 FT < H < 120 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
4 FT	18" MAX	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
8 FT	30" MAX	H ≤ 40 FT E0 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	36" MAX	AT GRADE E0 FT < H ≤ 50 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
12 FT	48" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
18 FT	72" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT	84" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
25 FT	105" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
30 FT	126" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT	156" MAX	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT

PLEASE EXAMINE THESE TABLES AND DETERMINE TO BE USED WITHIN THE LOCAL AUTHORITY'S JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

# BMP INTERNATIONAL, INC.

## MECHANICAL UNIT STEEL TIE-DOWN CLIP AT GRADE & ROOF-TOP MOUNTED APPLICATION

\*CENTER OF GRAVITY ASSIGNED TO ACT AS THE MECHANICAL UNIT. MECHANICAL UNIT MUST BE SQUARE OR RECTANGULAR. NO IRREGULAR SHAPES.

(TYPICAL DESIGN MAXIMUM HEIGHT)

\*MOST STRUCTURE DESIGN BY OTHERS. SEE DESIGN. SCHEDULES FOR ALLOWABLE SUBSTITUTES

### MECHANICAL UNIT TIE-DOWN ISOMETRIC



\*TYPE OF CLIP AND CORNER OF CLIP PER CORNER WILL VARY PER CONNECTION TYPE (SEE SHEET 2)

\*SEE THE DESIGN FOR SEPARATE MECHANICAL UNIT CERTIFICATION.

\*SEE DESIGN FOR SEPARATE MECHANICAL UNIT CERTIFICATION.

### TIE-DOWN CLIP DIRECTIVE EXAMPLE

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

**MECHANICAL UNIT CRITERIA**

1. 40" TALL x 48" DEEP x 24" WIDE.
2. 100 LB WEIGHT.
3. 100 LB OVERLAP AS WARRANTED BY DESIGN.
4. 1000 PSI MIN CONCRETE WITH 1/2" TIE CLIP AT 800' CORNER OF UNIT (SEE CRITERIA OF UNIT TYPE, CR 14) CLIPS.

**PROCEDURE:**

PROCEDURE STEP	CONNECTION TYPE	RESULT
1. DETERMINE THE CONNECTION TYPE LISTED ON THE DIAGRAMS OF SHEET 2.	TYPE 1	THE INSTALLATION IS INTERFERED FOR A WALL-TOP MOUNT. REFER TO THE DESIGN CRITERIA COMBINATION TO TABLE 5.
2. DETERMINE WHICH DESIGN SCHEDULE TABLE TO USE.	TYPE 2	THIS UNIT HEIGHT OF 40" IS SQUARE TO THE MAXIMUM ALLOWABLE HEIGHT OF 40" FOR THIS PRODUCT APPROVAL. ALL OTHERS THE UNIT TO BE INSTALLED ON THE ROOF-TOP STAND MUST BE A MAXIMUM TALL BY AN A/C STAND IS 40" HIGH. CHECK TO SEE THAT THE STAND DOES NOT EXCEED 30" IN HEIGHT.
3. DETERMINE THE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED.	TYPE 3	THIS UNIT MAY BE INSTALLED A PROTRUSION OF LESS THAN 800' FROM ROOF-TOP. ADDITIONALLY, THIS UNIT MAY BE INSTALLED ON ROOF-TOP WITH PROTRUSION OF LESS THAN 800' AND LESS THAN 100' SEE (1) ON TABLE 5 FOR THE MAXIMUM VALUES OF THIS DESIGN EXAMPLE.
4. CHECK MAXIMUM UNIT HEIGHT RESTRICTION.	TYPE 4	
5. CHECK CORNER UNIT AND RESTRICTION.	TYPE 5	
6. DETERMINE THE ALLOWABLE ROOF-TOP HEIGHT OF THE INSTALLATION.	TYPE 6	

### DESIGN NOTES

### GENERAL NOTES

1. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER DESIGN OF THE MECHANICAL UNIT AND THE STRUCTURE TO WHICH IT IS ATTACHED.

2. THE MECHANICAL UNIT SHALL BE SQUARE OR RECTANGULAR IN SHAPE.

3. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

4. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

5. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

6. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

7. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

8. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

9. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

10. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

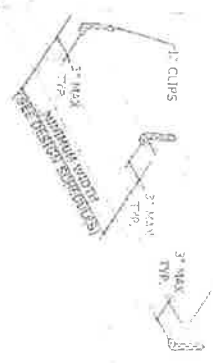
11. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

12. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

13. THE MECHANICAL UNIT SHALL BE INSTALLED ON A STAND THAT IS 40" HIGH OR LESS.

MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)

**C1 CONNECTION TYPE C1**  
 1 CLIP - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF (4) PER UNIT



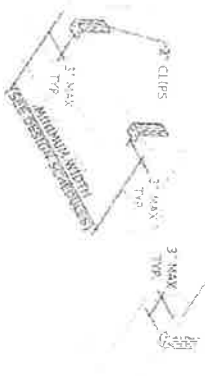
MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)

**C2 CONNECTION TYPE C2**  
 2 CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT

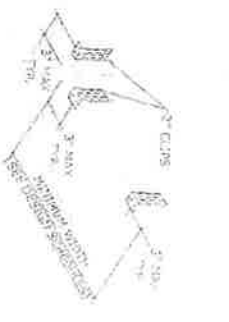


MAXIMUM UNIT HEIGHT (SEE DESIGN SCHEDULES)

**C3 CONNECTION TYPE C3**  
 2 CLIP - UTILIZE (1) AT EACH CORNER FOR A TOTAL OF (4) PER UNIT



**C4 CONNECTION TYPE C4**  
 2 CLIP - UTILIZE (2) AT EACH CORNER FOR A TOTAL OF (8) PER UNIT



**ANCHOR SCHEDULE**  
 1\"/>

DESCRIPTION	QUANTITY	UNIT
1\"/>	4	EA
2\"/>	8	EA
3\"/>	4	EA
4\"/>	8	EA
5\"/>	4	EA
6\"/>	8	EA
7\"/>	4	EA
8\"/>	8	EA
9\"/>	4	EA
10\"/>	8	EA
11\"/>	4	EA
12\"/>	8	EA
13\"/>	4	EA
14\"/>	8	EA
15\"/>	4	EA
16\"/>	8	EA
17\"/>	4	EA
18\"/>	8	EA
19\"/>	4	EA
20\"/>	8	EA
21\"/>	4	EA
22\"/>	8	EA
23\"/>	4	EA
24\"/>	8	EA
25\"/>	4	EA
26\"/>	8	EA
27\"/>	4	EA
28\"/>	8	EA
29\"/>	4	EA
30\"/>	8	EA
31\"/>	4	EA
32\"/>	8	EA
33\"/>	4	EA
34\"/>	8	EA
35\"/>	4	EA
36\"/>	8	EA
37\"/>	4	EA
38\"/>	8	EA
39\"/>	4	EA
40\"/>	8	EA
41\"/>	4	EA
42\"/>	8	EA
43\"/>	4	EA
44\"/>	8	EA
45\"/>	4	EA
46\"/>	8	EA
47\"/>	4	EA
48\"/>	8	EA
49\"/>	4	EA
50\"/>	8	EA
51\"/>	4	EA
52\"/>	8	EA
53\"/>	4	EA
54\"/>	8	EA
55\"/>	4	EA
56\"/>	8	EA
57\"/>	4	EA
58\"/>	8	EA
59\"/>	4	EA
60\"/>	8	EA
61\"/>	4	EA
62\"/>	8	EA
63\"/>	4	EA
64\"/>	8	EA
65\"/>	4	EA
66\"/>	8	EA
67\"/>	4	EA
68\"/>	8	EA
69\"/>	4	EA
70\"/>	8	EA
71\"/>	4	EA
72\"/>	8	EA
73\"/>	4	EA
74\"/>	8	EA
75\"/>	4	EA
76\"/>	8	EA
77\"/>	4	EA
78\"/>	8	EA
79\"/>	4	EA
80\"/>	8	EA
81\"/>	4	EA
82\"/>	8	EA
83\"/>	4	EA
84\"/>	8	EA
85\"/>	4	EA
86\"/>	8	EA
87\"/>	4	EA
88\"/>	8	EA
89\"/>	4	EA
90\"/>	8	EA
91\"/>	4	EA
92\"/>	8	EA
93\"/>	4	EA
94\"/>	8	EA
95\"/>	4	EA
96\"/>	8	EA
97\"/>	4	EA
98\"/>	8	EA
99\"/>	4	EA
100\"/>	8	EA

**E ALTERNATE**  
 B

UNIT 22 14 CLIP ESCAPE OF UNITORS A TOTAL OF 16 PER UNIT



11/11/2015  
 10:57 AM  
 Anchor Traywork Cl...  
 FEA - (6666 FL14229 for 2014 FEA04) (MS C:\ProgramData\Autodesk\Toolbox Cl...)



**TABLE 1: Vult=175 MPH, EXPOSURE C**  
 (FOR USE WITH A RISK CATEGORY II STRUCTURE IN THE HIGH VELOCITY HURRICANE ZONE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT IN THE DOWN-COMPRESSION DIRECTION			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
8 FT <sup>2</sup>	32' MAX	15' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>	48' MAX	24' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
16 FT <sup>2</sup>	64' MAX	32' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
20 FT <sup>2</sup>	80' MAX	40' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
24 FT <sup>2</sup>	96' MAX	48' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
30 FT <sup>2</sup>	120' MAX	60' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
36 FT <sup>2</sup>	144' MAX	72' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
42 FT <sup>2</sup>	168' MAX	84' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
48 FT <sup>2</sup>	192' MAX	96' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT

\*THIS TABLE IS APPLICABLE TO BE USED WITHIN THE VULNERABILITY ZONE WHICH CONTAINS BROWARD AND MAHARISHI COUNTIES. 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)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT IN THE DOWN-COMPRESSION DIRECTION			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
8 FT <sup>2</sup>	32' MAX	15' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>	48' MAX	24' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
16 FT <sup>2</sup>	64' MAX	32' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
20 FT <sup>2</sup>	80' MAX	40' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
24 FT <sup>2</sup>	96' MAX	48' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
30 FT <sup>2</sup>	120' MAX	60' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
36 FT <sup>2</sup>	144' MAX	72' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
42 FT <sup>2</sup>	168' MAX	84' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT
48 FT <sup>2</sup>	192' MAX	96' MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT

\*THIS TABLE IS APPLICABLE TO BE USED WITHIN THE VULNERABILITY ZONE WHICH CONTAINS BROWARD AND MAHARISHI 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 II STRUCTURE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT IN THE DOWN-COMPRESSION DIRECTION			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
8 FT <sup>2</sup>	32' MAX	15' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>	48' MAX	24' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
16 FT <sup>2</sup>	64' MAX	32' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
20 FT <sup>2</sup>	80' MAX	40' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
24 FT <sup>2</sup>	96' MAX	48' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
30 FT <sup>2</sup>	120' MAX	60' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
36 FT <sup>2</sup>	144' MAX	72' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
42 FT <sup>2</sup>	168' MAX	84' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
48 FT <sup>2</sup>	192' MAX	96' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT

\*AS AN EXAMPLE, THIS TABLE IS APPLICABLE TO BE USED WITHIN THE VULNERABILITY ZONE WHICH CONTAINS BROWARD AND MAHARISHI 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 STRUCTURE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE ROOF-TOP HEIGHT IN THE DOWN-COMPRESSION DIRECTION			
			C1	C2	C3	C4
6 FT <sup>2</sup>	24' MAX	12' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
8 FT <sup>2</sup>	32' MAX	15' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
12 FT <sup>2</sup>	48' MAX	24' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
16 FT <sup>2</sup>	64' MAX	32' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
20 FT <sup>2</sup>	80' MAX	40' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
24 FT <sup>2</sup>	96' MAX	48' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
30 FT <sup>2</sup>	120' MAX	60' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
36 FT <sup>2</sup>	144' MAX	72' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
42 FT <sup>2</sup>	168' MAX	84' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT
48 FT <sup>2</sup>	192' MAX	96' MIN	N/A	H ≤ 200 FT	AT GRADE	H ≤ 200 FT

\*AS AN EXAMPLE, THIS TABLE IS APPLICABLE TO BE USED WITHIN THE VULNERABILITY ZONE WHICH CONTAINS BROWARD AND MAHARISHI COUNTIES. CHECK WITH LOCAL AUTHORITY HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CERTAIN FLORIDA COUNTIES.

**TABLE 5 : VUL=140 MPH, EXPOSURE B**  
(FOR USE WITH A RISK CATEGORY 4 STRUCTURE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE REDUCTION HEIGHT IN THE DOWNWIND DIRECTION TYPE			
			C1	C2	C3	C4
6 FT	24" MAX	12" MIN	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	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			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	48" MAX	24" MIN	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
16 FT			AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
35 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
50 FT	50" MAX	48" MIN	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT			N/A	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT

**TABLE 6 : VUL=140 MPH, EXPOSURE C**  
(FOR USE WITH A RISK CATEGORY 4 STRUCTURE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE REDUCTION HEIGHT IN THE DOWNWIND DIRECTION TYPE			
			C1	C2	C3	C4
6 FT	24" MAX	12" MIN	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	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			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	48" MAX	24" MIN	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
16 FT			AT GRADE	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
35 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
50 FT	50" MAX	48" MIN	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT			N/A	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT

**TABLE 7 : VUL=140 MPH, EXPOSURE D**  
(FOR USE WITH A RISK CATEGORY 4 STRUCTURE)

MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	ALLOWABLE REDUCTION HEIGHT IN THE DOWNWIND DIRECTION TYPE			
			C1	C2	C3	C4
6 FT	24" MAX	12" MIN	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	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			H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT	48" MAX	24" MIN	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
12 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
16 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
20 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
25 FT			N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
30 FT	60" MAX	48" MIN	N/A	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
36 FT			N/A	AT GRADE 50 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT

\*AS AN EXAMPLE, THESE TABLES ARE PERMISSIBLE FOR USE WITHIN BREVARD COUNTY. CHECK WITH LOCAL AUTHORITIES HAVING JURISDICTION FOR THE APPLICABILITY OF THIS TABLE WITHIN CLERICAL/JUDICIAL COUNTIES.

ORANGE COUNTY PROPERTY APPRAISER

- Searches
- Sales Search
- Results
- Property Record Card**
- My Favorites

Sign up for e-Notify

**5007 St Denis Ct** < 18-23-30-4388-04-020 >

Name(s) Singleton Christian Peter  
 Physical Street Address 5007 St Denis Ct  
 Mailing Address On File 5007 Saint Denis Ct  
 Belle Isle, FL 32812-1080  
 Incorrect Mailing Address? 0130 - Sfr - Lake Front  
 Municipality Belle Isle



- Values, Exemptions and Taxes**
- Property Features
- Sales Analysis
- Location Info
- Market Stats
- Update Information

**Property Description**

LAKE CONWAY ESTATES SECTION EIGHT REPLAT Z/66 LOT 402

[View Plat](#)

**Total Land Area** 19,655 sqft (+/-) | 0.45 acres (+/-) GIS Calculated Notice

**Land (includes working values)**

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0130 - Sfr - Lake Front	R-1-AA	1 LOT(S)	\$320,000.00	\$320,000	\$0.00	\$320,000

Page 1 of 1 (1 total records)

**Buildings (includes working values)**

Important Information		Structure			
<b>Model Code:</b>	01 - Single Fam Residence	<b>Actual Year Built:</b>	1971	<b>Gross Area:</b>	3780 sqft
<b>Type Code:</b>	0103 - Single Fam Class III	<b>Beds:</b>	3	<b>Living Area:</b>	3069 sqft
<b>Building Value:</b>	\$225,222	<b>Baths:</b>	3.0	<b>Exterior Wall:</b>	Concrete Block Stucco
<b>Estimated New Cost:</b>	\$345,432	<b>Floors:</b>	1	<b>Interior Wall:</b>	Drywall

Page 1 of 1 (1 total records)

**Extra Features (includes working values)**

Description	Date Built	Units	XFOB Value
BD2 - Boat Dock 2	01/01/1990	1 Unit(s)	\$4,000
BC3 - Boat Cover 3	01/01/1991	1 Unit(s)	\$6,000
PL3 - Large Elaborate Pool	01/01/1991	1 Unit(s)	\$19,760
PT2 - Patio 2	01/01/1991	1 Unit(s)	\$2,000
PT2 - Patio 2	01/01/2008	1 Unit(s)	\$2,000
GZB2 - Gazebo 2	01/01/2008	1 Unit(s)	\$2,000

Page 1 of 1 (6 total records)

This Data Printed on 03/21/2016 and System Data Last Refreshed on 03/20/2016