

Scope of Work:

The person accepting this permit shall

application on file and construction shall conform to the requirements of

the Florida Building Code (FS 553).

conform to the terms of the

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

Permit Number: 2016-08-005

(Final)

□ LOW VOLTAGE

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. COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

MECHANICAL: one 2.5-ton change out

Comments:	None			Date of Application: 08/01/2016 Date Permit Issued: 08/02/2016
Phone Number	6501 Matchett Rd, E 24-23-29-0600-04-0 Springer, Joseph & 407 607 1308 ARS of Orlando Brown, Dennis	60 Sandra ************************************	NOTICE OF COMI PAYING TWICE PROPERTY. IF YOU CONSULT WITH YOU BEFORE RECO COMMENCEMENT. BE MADE BEFORE WORK. THIS CARD BE PROTECTED FOUNTS OF THE PROTECTED FOUNTS OF THE PROMINS HAVE	MER: "YOUR FAILURE TO RECORD A MENCEMENT MAY RESULT IN YOU FOR IMPROVEMENTS TO YOUR OU INTEND TO OBTAIN FINANCING, YOUR LENDER OR AN ATTORNEY ORDING YOUR NOTICE OF." ON THE JOB INSPECTION(S) MUST E PROCEEDING WITH SUBSEQUENT OF MUST BE DISPLAYED OUTSIDE AND FROM THE WEATHER WHILE BEING THE STREET UNTIL THE FINAL /E BEEN APPROVED.
		BUILDING FEAT		
IMPACT FEES School	\$	В	UILDING INSPECTOR	USE ONLY
	\$ \$	IF APPLICABLE:		
ZONING FEES		Have Zoning Approval Conditions	Been Met? YES NO	Have Stormwater Approval Conditions
	\$	Been Met? YES NO Silt fencin	g in place? YES NO	Turbidity Barrier in place? YES NO
LINIVERSAL ENG	- BUILDING FEES	□ BUILDING		
ONIVERSAL ENG	- DOILDING FLLS	1 st	(Footing/l	Foundation)
	\$ \$	Survey specific foundation plai	n must be onsite before	e slab pour. Approved Plan on Site?
	\$ \$	2 nd	(Slab)	
Fence	\$	3 rd	/Lin4n(\/\AA)	all Reinforcing on Masonry Building)
Driveway Shed	\$ \$ \$	J	(Linter)(VV	all Reinforcing on Masonry Building)
Window(s)	\$	4 th	(Exterior F	raming)(Roof/Wall Sheathing)
Door(s) PrePower	\$ \$	5 th	(Framing)	(To be made after Plumbing/ Mechanical/
Electrical	\$			Rough-Ins & Windows/Doors Installed)
	\$ \$	6 th	(Inquistion	to be Made After Deef leastelle d
_	\$72.50			n to be Made After Roof Installed)
	\$	7 th	(Drywall)	
Roofing Boat Dock	\$	8 th	(Sidewalk	/Driveway)
Screen Encl Swimming Pool	\$	۵lh		
	\$	9	(Other)	
SURCHARGE FEI	FS	10 th	(Final – A	fter MEP and Other Applicable Finals)
		□ ROOFING		
9	\$2.00 \$2.00	1 ST ROOFING Deck Nailing/Dry-in/F	lashing	
outcharge ree	Ψ2.00	2 nd ROOFING Covering In-Progress		
TOTAL FE	ES \$76.50			
		3 rd ROOFING Covering Final		
Date Paid	5-3-16	PLUMBING (Pool-Piping, Solar, Ir	rigation, Water Treatmer	nt Equip, Etc)
CC or Check # 1	NC 8776	1 ST (Unde	rground) 2 nd	(Sewer)
Amount Paid	76.50	3 rd (Roug	h-In/Tub Set) 4 ^{ih}	(Final)

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.

(Rough-In)

CHECK APPROPRIATE BOX



City of Belle Isle
Universal Engineering Sciences 3532 Maggie Blvd., Orlando FL 3281 0 1 2016
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: 7/39/16 PERMIT PLEASE PRINT. The undersigned hereby applies for a permit to make installations as independent of the control of the co	NUMBER OCIGO	58-005
Project Address 6501 MQ+Che+Rd Property Owner's Mailing Address 6501 MQ+Che+Rd State F/ Zip Code 32809 Parcel Id Number: 24-23-25 To obtain this information, please visit http:		32812 /308 F/32809
Class of Building: Old Mew Type of Building: Residential Comme	rcial 🔲 Other 🗀	
 REQUIRED: The Down Engineering REQUIRED: If adding A/C to new space, provide Energy Calculations & Equipment Sizing REQUIRED: If replacing unit with no duct work, Duct Certification as per FB 101.4.7.1, mu 		
Please indicate the nature of work by completing the information below: Air Conditioning: # of Units	Estimated ((A) Estimated Cost Fe	Cost \$ Cost \$ e \$ 5000
Fees for Items below are based on valuation of all units, equipment, materials and labor supplication: (Number of) Grease Heat Hoods, Air Intakes Exhaust Fans Dryer		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 I hereby certify that the above is true and correct to the best of my knowledge and make A same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances resubmitted. The issuance of this permit does not grant permission to violate any applicable Town LICENSE HOLDER SIGNATURE	egulating same and in accordance and/or State of Florida codes ar LICENSE #	d above, and if the with plans addor ordinances.
	Permit Fee	_35.
Building Official: Date	Review Fee	2700
Verified Contractor's Licenses & Insurance are on fileDate	3% Florida Surcharge	
	Total Permit Fee	76.50
NOTE: The Building Permit Number is required if the Mechanical Installation is associated with Permit has been issued.	any construction or alteration of Building Permit Number	

0915

Susan Manchester

From: Art Barthlow

Sent: Tuesday, August 02, 2016 3:48 PM

To: Susan Manchester

Subject: RE: 6501 Matchett Rd - mechanical permit 2016-08-005 attached for review - WO 70513

Susan,

The Tie-Down system is fine for 6501 Matchett Rd. The permit can be issue at your convenience.

Best Regards,

Art Barthlow, Senior Plans Examiner CBC, BN, PX, CFI, BU, MCP

office: 904.296.0757 | mobile: 904.376.0051 | email: abarthlow@universalengineering.com

Universal Engineering Sciences, Inc. | 5561 Florida Mining Boulevard South, Jacksonville, FL 32256 |

www.universalengineering.com

Plans Review • Private Provider Inspection • Environmental Sciences
Construction Materials Testing • Threshold Inspection • Geotechnical Engineering and Drilling

From: Susan Manchester

Sent: Tuesday, August 02, 2016 10:54 AM

To: Art Barthlow **Cc:** CobiPermits

Subject: 6501 Matchett Rd - mechanical permit 2016-08-005 attached for review - WO 70513

Hi Art,

Attached is a WO, mechanical app and the required tie-down engineering. The phase is 0915 and the task is 01.

Thanks so much for your help. Once approved if you would sign the app and send it back "reply all" I'd be much obliged. I can stamp anything that needs to be stamped.

Thank you,

Susan Manchester

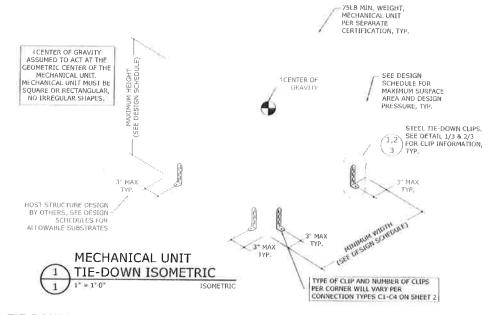
Universal Engineering Sciences, Inc. 3532 Maggie Blvd. Orlando, FL 32811

Phone: 407-581-8161 Fax: 407-581-0313

Email: smanchester@universalengineering.com

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 INSTALIATION 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 VLIL=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*
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 NOOF 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 FLOR DATA BUILDING CODE FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE 35 AND THE ACCOMPANYING DESIGN SCHEDULES. THE DESIGN CRITERIA USED TO CALCULATE THE ALLOWABLE BOOF-TOP HEIGHTS CONSIDERS ASCE 7-10 SECTION 29.5.1 FOR ROOT TOP HEIGHTS (H) 560 FT AS SECTION 29.4.1 FOR INSTALLATIONS AT GRADE. (GC,) AND THE HIGHTS (H) 560 FT AS SECTION 29.4.1 FOR INSTALLATIONS AT GRADE. (GC,) AND THE HIGHTS (CONCURRENT). ALL OTHER DESIGN VARIABLES ARE IN ACCORDANCE WITH ASCE 7-10 CHAPTERS 26 R 79. THE HEIGHTS LISTED IN THE DESIGN SCHEDULES REPRESENT THE ALLOWABLE HEIGHT OF THE BUILDING. THIS PRODUCT APPROVAL ALLOWS FOR EACH HIGHT TO BE INSTALLED ON A 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.

GENERAL NOTES:

- 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
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970397A, #TEL 01970387B BY TESTING EVALUATION LABORATORIES, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SIMAL BE PERMITTED.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN, ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TUNNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS. AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTERERS TO BE #12 X %" 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, G98-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- 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 ON 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
- 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.

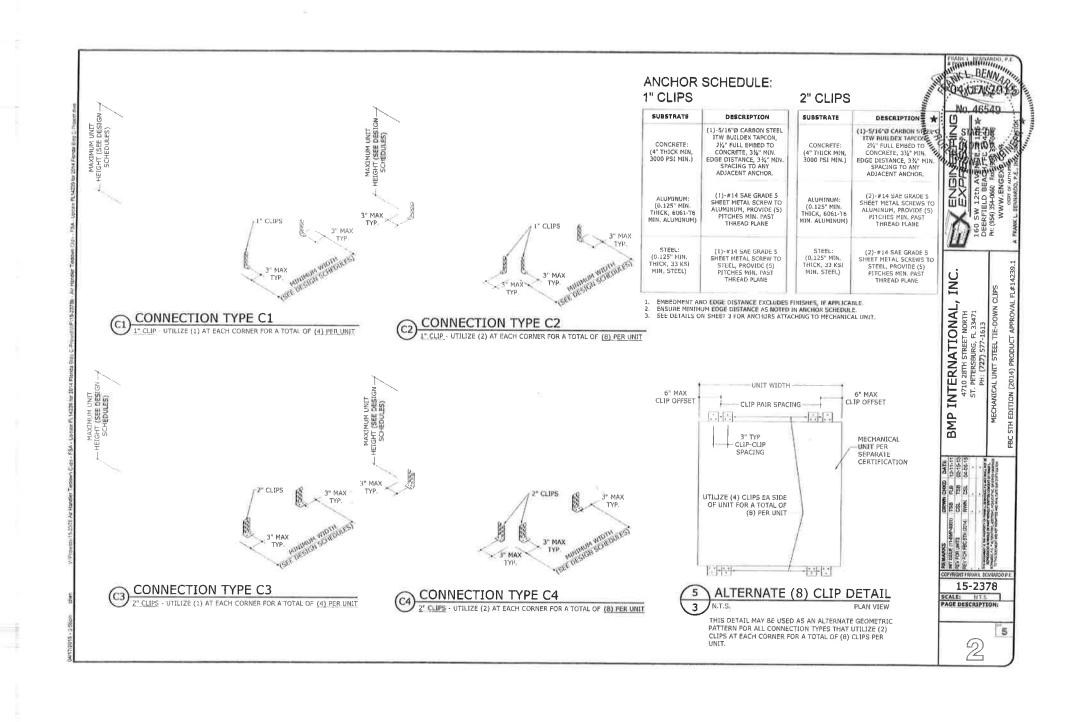
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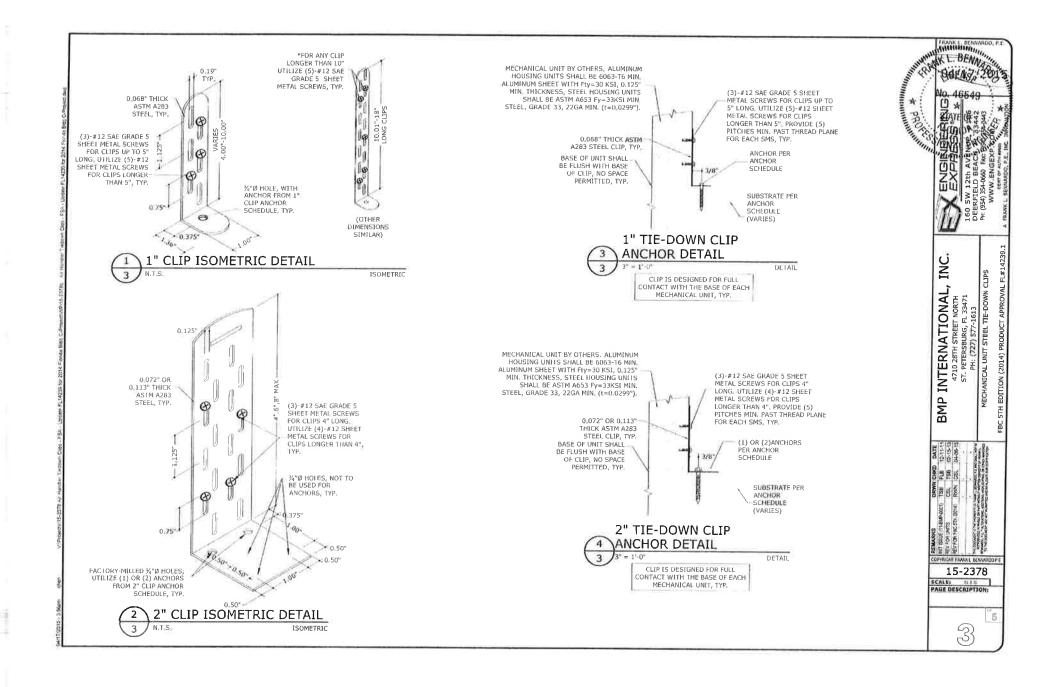
VINTERNATIONAL, J 4710 28TH STREET INRTH ST. PETERSBURG, FL 33471 PH. (727) 577-1613 CHANICAL UNIT STEEL TE-DOWN CLI

BMP

PRESENTANCE DESCRIPTIONS

15-2378 SCALE: NTS





				ALLOWABLE ROOF-TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE						
	MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT UNIT HEIGHT WIDTH	cı	C2	C3	C4				
	G FT ²	24" MAX	12" MIN	N/A	AT GRADE	AT GRADE	H ≤ 200 FT			
	9 FT ²	32" MAX	15" MIN	N/A	AT GRADE	AT GRADE	H ≤ 60 FT			
i	4 FT ²			AT GRADE	H ≤ 200 FT	H ≤ 30 FT	H ≤ 200 FT			
Ì	6 FT ²			AT GRADE	H ≤ 40 FT	AT GRADE	H ≤ 200 FT			
1	9 F1 ^a	48" IVIAX	24" MIN	N/A	AT GRADE	AT GRADE	:1≤160 FT			
1	12 FT ²			N/A	AT GRADE	AT GRADE	H ≤ 40 F1			
ı	16 FT ²			N/A	AT GRADE	N/A	AT GRADE			
	20 F Г²			N/A	AT GRADE	N/A	AT GRADE			
	25 FT ²	60" MAX	48" MIN	N/A	AT GRADE	N/A	AT GRADE			
i	30 FT ²	OU IVIAN	40 WIIN	N/A	N/A	N/A	AT GRADE			
l	36 FT ²			N/A	N/A	N/A	AT GRADE			

4-THIS TABLE IS PERMISSIBLE TO BE USED WITHIN THE HYPZ 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 II STRUCTURE*)

			ALLOWABLE ROOF TOP HEIGHT (H) TIE-DOWN CONFIGURATION TYPE						
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNII HEIGHT	UNIT WIDTH	°C1	C2	C3	C4			
6 FT'	24" MAX	12" MIN	R/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 160 FT	H ≤ 200 FT			
9 FT'	32" MAX	15" MIN	N/A	H ≤ 15 FT 60 F1 < H ≤ 200 FT	AT GRADE	H ≤ 200 FT			
4 FT ^a			AT GRADE 60 FT < H & 200 FT	II ≤ 200 ГТ	I ≤ 200 FT	H ≤ 200 f T			
6 FT ²			AT GRADE	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 F1			
9 FT'	48" MAX	24" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT			
12 FT²			N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT			
16 FT ²			N/A	AT GRADE	N/A	H ≤ 200 FT			
20 FT²			N/A	AT GRADE	N/A	H ≤ 200 FT			
25 FT²	60" MAX	48" MIN	N/A	N/A	N/A	H ≤ 30 F f 60 FT < H ≤ 200 FT			
30 FT²	OU IVIAN	40 IVIIN	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)								
V/			TIE-DOWN CONFIGURATION 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	AT GRADE	AT GRADE	H ≤ 200 FT			
9 FT ³	32" MAX	15" MIN	N/A	AT GRADE	N/A	H ≤ 30 FT			
4 FT ²			AT GRADE	H ≤ 200 FT	AT GRADE	H ≤ 200 FI			
6 F12			N/A	H ≤ 15 FT	AT GRADE	H ≤ 200 FT			
9 FT ⁴	48" MAX	24" MIN	N/A	AT GRADE	AT GRADE	H ≤ 80 FT			
12 FT²			N/A	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 FT ²	60" MAX	48" MIN	N/A	N/A	N/A	AT GRADE			
30 FT ²	OU WINA	10 191114	N/A	N/A	N/A	AT GRADE			
36 FT ²			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 CETAIN FLORIDA COUNTIES.

TABLE 4: Vult=170 MPH, EXPOSURE D

(FOR USE WITH A RISK CATEGORY II STRUCTURE*)

				ALLOWABLE ROC	OF-TOP HEIGHT (H)	
				TIE-DOWN CON	FIGURATION TYPE	
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT	UNII WIDTH	C1	C2	C3	C4
6 FT ²	24" MAX	12" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
9 FT²	32" MAX	15" MIN	N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 ГТ
4 F12			A1 GRADE 60 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	l1 ≤ 200 FT
6 FT#			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 60 FT < H ≤ 120 FT	N/A	H ≤ 200 FT
16 FT ²			N/A	N/A	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT
20 FT²			N/A	AT GRADE	N/A	H ≤ 40 FT 60 FT < H ≤ 200 F1
25 FT²	60" MAX	48" MIN	N/A	N/A	N/A	AT GRADF 60 FT < H ≤ 200 FT
30 FT²	UO IVIAA	MC IVIII	N/A	N/A	N/A	AT GRADE 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.

BMP INTERNATIONAL, INC. 4710 28TH STREET NORTH ST. PETERSBURG, PL 33471

15-2378 PAGE DESCRIPTION:

TABLE 5: Vult=140 MPH, EXPOSURE B

(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	C1	C2	C3	C4			
	6 FT²	24" MAX	12" MIN	H ≤ 15 FT 60 FT < H ≤ 120 FT	H ≤ 200 F1	H ≤ 200 FT	H ≤ 200 FT			
	9 FT ²	32" MAX	15" MIN	AT GRADE	H 5 200 FT	H ≤ 200 FT	H-5-200:FT			
	4 FT ²			H ≤ 200 FT	H 5 200 FT	H ≤ 200 FT	H ≤ 200 FT			
	6 FT²			H s 40 FT 60 FT < H s 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT			
	9 FT ²	48" MAX	21" MIN	AT GRADE 60 F1 < H ≤ 80 F1	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 F1			
	12 f T²			AT GRADE	H ≤ 200 FT	H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT			
٠	16 F Г²			N/A	H ≤ 200 ГТ	H ≤ 15 FT 60 FT < H ≤ 100 FT	H ≤ 200 FT			
	20 FT²			N/A	H ≤ 200 FT	H ≤ 1511 60 FT < H ≤ 180 FT	H ≤ 200 FT			
	25 FT ²	60111111	4011 8 4111	N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT			
	30 F1 ²	ьи" МАХ	60" MAX	bu" MAX	D" MAX 48" MIN	N/A	H ≤ 15 FT 60 FT < H ≤ 160 FT	AT GRADE	H ≤ 200 FT	
	36 FT²			N/A	AT GRADE 60 [[< H ≤ 80 fT	AT GRADE	H ≤ 200 FT			

TABLE 6: Vult=140 MPH, EXPOSURE C

(FOR USE WITH A RISK CATEGORY II STRUCTURE*)

					OF-TOP HEIGHT (H) FIGURATION TYPE	THUM!
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	C1	C2	C3	* pgo
6 FT²	24" MAX	12" MIN	AT GRADE	H ≤ 200 FT	II ≤ 200 FT	H ≤ 200 FT
9 FT ²	32* MAX	15" MIN	N/A	H 5 200 FT	H S 15 FT 60 FT < H S 200 FT	H ≤ 200 FT
4 FT2			H ≤ 200 FT	H ± 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT'			AT GRADE 60 FT < H ≤ 180 FT	H s 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 FT²	48" MAX	24" M(N	AT GRADE	H ≤ 200 F I	40 FT 	. H ≤ 200 FT
12 FT ²			N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 140 FT	H ≤ 200 FT
16 FT ²			N/A	H ≤ 15 FT 60 FT < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
20 FT ²			N/A	H ≤ 30 FT 60 FI < H ≤ 200 FT	AT GRADE	H ≤ 200 FT
25 FT²	60" MAX	48" MIN	N/A	AT GRADE 60 FT < H ≤ 140 FT	AT GRADE	H < 200 F1
30 FT ²	00 11	40 11	N/A	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*)

					F-TOP HEIGHT (H)	
MAXIMUM SURFACE AREA OF UNIT'S LARGEST FACE	UNIT HEIGH1	UNIT	C1	C2	G	C4
6 F 3	24" MAX	12" MIN	N/A	H ≤ 200 FT	H ≤ 30 FT 60 FT < H ≤ 200 FT	. H≤ 200 FT
9 FT²	32" MAX	15" MIN	N/A	H ≤ 200 FT	AT GRADE 60 FT < H ≤ 140 F1	H ≤ 200 FT
4 FT ²			H ≤ 40 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
6 FT³			AT GRADE 60 FT < H ≤ 100 FT	H ≤ 200 FT	H ≤ 200 FT	H ≤ 200 FT
9 F1*	48" MAX	24" MIN	N/A	H ≤ 200 FT	H ≤ 15 FT 60 FT < H ≤ 200 FT	H ≤ 200 FT
12 FT ²			N/A	H ≤ 40 FT 60 FT < H ≤ 200 FT	AT GRADE 60 FT < H ≤ 80 FT	H ≤ 200 FT
16 FT ²			N/A	AT GRADE 60 FT < H ≤ 200 FT	N/A	H ≤ 200 FT
20 FT²			N/A	AT GRADE 60 FT < II ≤ 200 FT	AT GRADE	H ≤ 200 FT
25 FT²	60" MAX	4011 64251	N/A	AT GRADE 60 FT < H ≤ 80 FT	N/A	H ≤ 200 FT
30 FT²	DU IVI/IX	48" MIN	N/A	N/A	N/A	H ≤ 40 FT 60 FT < H ≤ 200 F
36 FT²			N/A	N/A	N/A	AT GRADE 60 FT < H ≤ 200 F

BMP INTERNATIONAL, INC.
4710 28TH STREET NORTH
571 PH: (727) 577-1613
MECHANICAL UNIT STEEL TIE-DOWN CLIPS

15-2378
SCALE: N.15
PAGE DESCRIPTION:

on V.Poemi

(Son Other)

*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.

CONTROL (INTO THE TOTAL	TO SATISFIES
Home Improvement	 Agreement:

The installation Profession	onal named be	fow will lumish, instal	and serv	ice the equ	ipment listed below at t	he price, terms and condi	illogo on auti-	
SALAICE LLDAIGEL ILLIGIL	nation:	_=			The state of the s	ne price, territs and condi	Juons as outline	on this form,
Institution Plotectional 5								
200	MACC	a Dc		Lice	rise & Exp. Data		Propogal Date	0 = /-
OF GINE	FL	22208		Pho	(1107)	299-0068	Proposal Date	20-16
Home Depot Informatio		200-0			(401)	779-0068		
Lacus	111-		Sko	ra a		HO installer #		
<u></u>						THIS IT TO LEAD OF THE PERSON		
Customer Information:								
10)61	n_5	Pringor		Senno	6501 M	atchett rd		
(401) 607	1308	evereng /		Cay, S	soffe Tdo	EL, 32	809	
Springra	hotma	1. COM			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,) - / - / - /	0-1	
Equipment and System	Design Infor	mation:						
Heating Load Cal	culation	Cooling Load Cal	culation		Sensible	Latent		
-	1						Stand	ard Warranty
Air Handat/Furnace	Manufacturer Manufacturer	Lennex		Model #	Lennex	14 SEER 2	ENAP	10V184
Strip Heat/Coil	Manufacturer	TOUVEX		Model #	14 TIER	FROM WE		VC La
Thermostal	Manufacturer	E7 - Rec	.1	Model #				124 24
Other	Manufacturer	1300	-	Model #			-	
Other	Manufacturer			Model #				
	Provider	1,520		D				
Homa Depot	Home Depot	Long		Type Parts	Equipment Co			
Extended Service	☐ No Dequetà			O Parts	Complete Sy		essory	
Agreement Only	□ Dedugese	□ 12		☐ Parts & L	□ Condensing			
		⊕ ca		. 010 0 0	also Cardinacano	Handler Defin	21	/
SCOPE OF WORK; Com	plete each box	with YES, NO, or N/	Not App	licable)				
	OUTE	TIMU ROCK			F	REFRIGERANT AND REFRIG	GERANT LINES	
New outdoor unit pag?			YE	7	Install and connect or			
Use existing outdoor unit pa		SYSTEM	1 N	0	Reconnect existing re			VPS
Ductwork is proparty sized 6			1 3/0	2.0	-	COMFORT CONTR	iols	1
Reconnect existing ductwork				05	Reconnect existing the Install new thermostal			Na
Ductwork modifications are r	reeded (see note	13)		a	INSTANTINEN UNBINOSIA	OLD EQUIPMEN	UT.	Ves
		(air handler or furnace)			Remove old equipme		-	201
Reconnect to existing conda (circle all that apply)	nsale pump/incu	Cast overflow pan	No	C	Remove old ductwork			V 25
New condensate pumpling/o	deministration of the con-	damete: du	1 46	>		ELECTRICAL		1
Reconnect to existing flue pig	Distraction DS	n (circle all that apply)		-	Reconnect existing of			Ves
New flue piping venting throu			-	/	New indoor electrical	ectrical to outdoor unit		167
foundation, roof, wall, or chin			1		New outdoor alactrics			No
Reconnect to existing gas or	fuet line				Electrical upgrade ne			No
New gas or fuel line - SEE N	OTES		1			mponents of the HVAC		
			1			connected and used: FURNAL		
			1		AIR-CONDITIONER,	HEAT PUMP, COIL, AIR HAN	IDLEDA	
NOTES: L	SE	EK a	457	ON	Lenn	ox hat	PUM	P
						11697	1147	
	dect							
NOTICE TO CHINES								
NOTICE TO OWNER: BLANK, YOU ARE ENTI	TLED TO A CO	N THIS CONTRACT	T IF		Total	al Investment S		
AT THE TIME YOU SIG	N.		101			Taxes S		
						Total Amount \$5	000	- 1
		72				C-2		
lotice of Cancellation for	n received:	Initial		7	ermination clause revie	wed:Init	tial	
cceptance and Authorizati	on: By signing	below. You authorize H	ome Dego	t to (a) arra	nge for Installation Profe	ssional to perform installa	dan e. dr. (b.)	
. 027	* Thirety, includ	mig the General terms	and Cond	ilions.You	rurther acknowledge rec	ing, rou acknowledge that alving a complete copy. Ke	sep it to protect	Your legal rights.
XXIII						6/21	0/16	
www.s.s.s.domins						Date	7 10	
Signey (il spolicable)							1	
An-	~ ~				_	Date / / /	- 111	/4
stillation Professional Signature	-		-			0/2	1/10	

IVAC Installation



STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

(850) 487-1395

BROWN, DENNIS M ARS/RESCUE ROOTER 1145 WOODYARD RD DEFUNIAK SPRINGS FL 32435

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to berbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

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STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CMC1249406

ISSUED: 08/27/2014

CERTIFIED MECHANICAL CONTRACTOR BROWN, DENNIS M ARS/RESCUE ROOTER

IS CERT(FIED under the provisions of Ch. 489 FS. Expiration date AUG 31, 2016 L1408270003894

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER

CMC1249406

The MECHANICAL CONTRACTOR Named below IS CERTIFIED Under the provisions of Chapter 489 FS. Expiration date: AUG 31, 2016



BROWN, DENNIS M ARS/RESCUE ROOTER 1145 WOODYARD RD DEFUNIAK SPRINGS FL 32435



ISSUED 08/27/2014

DISPLAY AS REQUIRED BY LAW

SEQ# L1408270003894



CERTIFICATE OF LIABILITY INSURANCE

10/1/2016

DATE (MM/DD/YYYY)

9/14/2015

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.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

1185 Avenue of the Americas, Suite 2010 New York 10036 646-572-7300	HAME: PHONE (A/G. No. Est): E-MAIL ADDRESS:	PHONE FAX (A/C, No, Exi): (A/C, No):			
V7U-212-13UU		INSURER(S) AFFOR	DING COVERAGE	NAIC #	
	INSURER A LÍ	berty Mutual Fire	Insurance Company	23035	
INSURED AMERICAN RESIDENTIAL SERVICES OF FL	ORIDA, INC. INSURER B Li	INSURER B Liberty Insurance Corporation			
1073055 D/B/A ARS/Rescue Rooter BRANCH 8281	INSURER D	INSURER C Navigators Insurance Company INSURER D			
3012 MERCY DRIVE	INSURER E	INSURER E			
ORLANDO FL 32808	INSURER F.			10-11	
COVERAGES AMEREO2 CERTIFICATE NUMBER	BER: 11010219		REVISION NUMBER:	XXXXXXX	
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TER CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSEXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS	RM OR CONDITION OF ANY CONT SURANCE AFFORDED BY THE PO	TRACT OR OTHER I	DOCUMENT WITH RESPE	CT TO WHICH THIS	
INSR TYPE OF INSURANCE INSD WVD	POLICY NUMBER (MM/DD/YYYY) (MM/DD/YYYY) LIMITS		13		
A X COMMERCIAL GENERAL LIABILITY N N TB26	31508631-025 10/1/20	015 10/1/2016	EACH OCCURRENCE	\$ 2,000,000	
CLAIMS-MADE X DCCUR			DAMAGE TO RENTED PREMISES (Ea occurrence)	s 1,000,000	
		1 8	MED EXP (Any one person)	s 10,000	
			PERSONAL & ADV INJURY	\$ 2,000,000	
Lagran and an annual an annual and an annual an annual and an annual an annual and an annual an annual and an annual an annual and an annual and an annual and an annual and an annual		1		- 4 000 000	

GENTL AGGREGATE LIMIT APPLIES PER GENERAL AGGREGATE \$ 4,000,000 PRO-JECT LOC POLICY PRODUCTS - COMP/OP AGG | \$ 4,000,000 OTHER COMBINED SINGLE LIMIT (Fa accident) AUTOMOBILE LIABILITY AS2631-508631-035 10/1/2015 10/1/2016 \$ 2,000,000 ANY AUTO BODILY INJURY (Per person) | \$ XXXXXXX X SCHEDULED AUTOS NON-OWNED AUTOS ONLY OWNED AUTOS ONLY BODILY INJURY (Per accident) \$ XXXXXXX PROPERTY DAMAGE (Per accident) X HIRED AUTOS ONLY s XXXXXXX s XXXXXXX X UMBRELLA LIAB X OCCUR NY15UMR715088IV 10/1/2015 10/1/2016 EACH OCCURRENCE s 5,000,000 EXCESS LIAB CLAIMS-MADE AGGREGATE s 5,000,000 DED X RETENTIONS 10,000 s XXXXXXX WORKERS COMPENSATION
AND EMPLOYERS' LIABILITY
ANY PROPRIETOR/PARTNER/EXECUTIVE
OFFICER/MEMBER EXCLUDED?
(Mandatory in NH) X PER OTH WC7-631-508631-015 10/1/2015 10/1/2016 N/A \$ 1,000,000 E.L. EACH ACCIDENT N/A E.L. DISEASE EAFMPLOYEE \$ 1,000,000 yes, describe under DESCRIPTION OF OPERATIONS below EL DISEASE POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
THE GENERAL LIABILITY POLICY'S GENERAL AGGREGATE LIMIT APPLIES PER LOCATION AND IS SUBJECT TO A \$20,000,000 GENERAL AGGREGATE POLICY LIMIT.

CERTIFICATE HOLDER	CANCELLATION
11010219 CITY OF BELLE ISLE 1600 NELA AVENUE BELLE ISLE FL 32809	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE PICKASIL (7 Calabrese

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ACORD 25 (2016/03)

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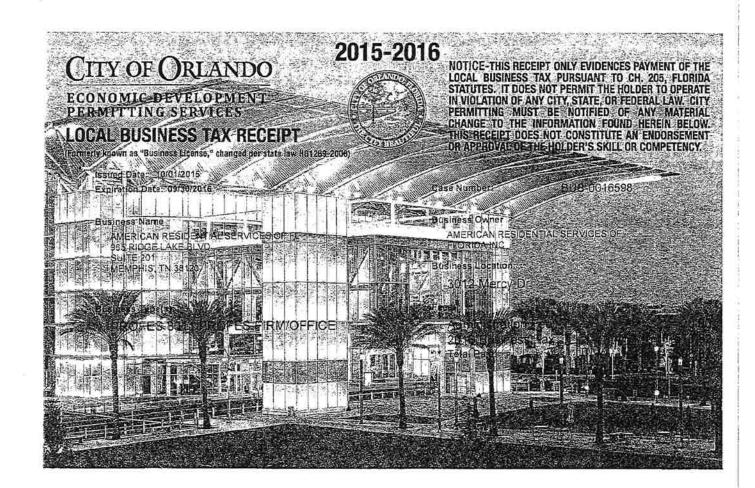




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