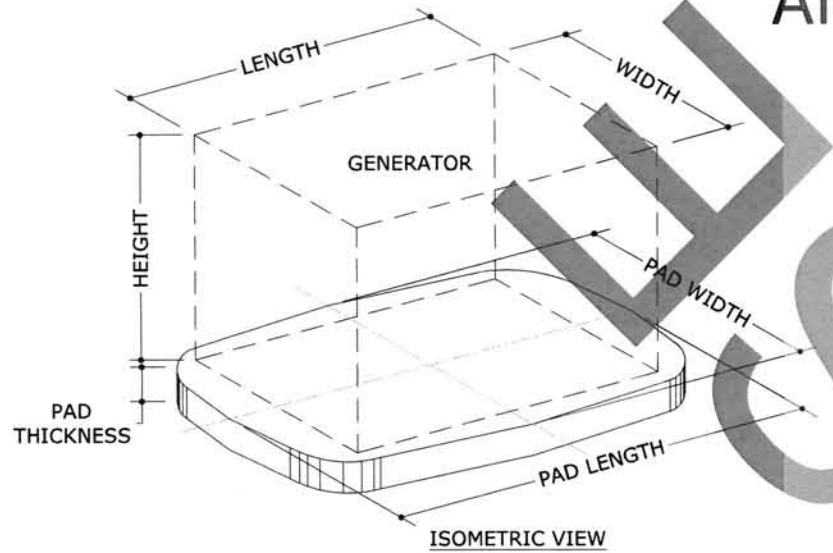


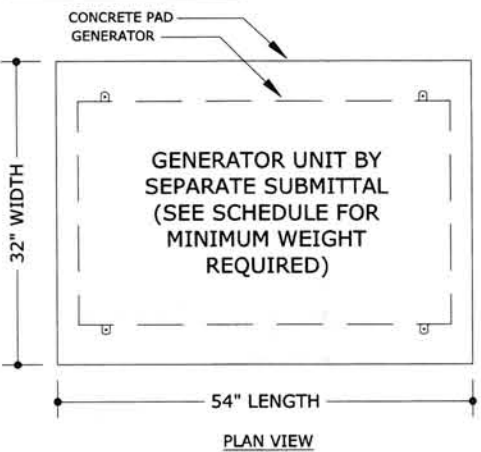
AMERICAST GENERATOR CONCRETE PAD

(ON-GRADE APPLICATIONS ONLY)
MIAMI DADE COUNTY



AMERICAST
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"MADE IN AMERICA!"
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5303 Palmetto Ave. Fort Pierce, FL 34982
Tel. 772-971-9955 Fax: 772-464-0509
Email: sales@america-casting.com or charlespitt2001@yahoo.com

PAD DIMENSIONS:



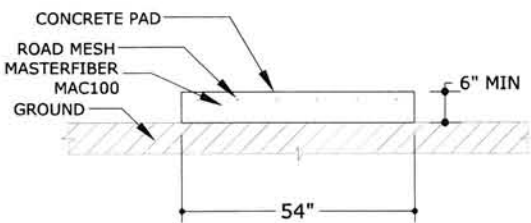
GENERATOR TABLE:

BRAND & MODEL	CAPACITY	WIDTH	LENGTH	HEIGHT	WEIGHT	COMMENTS
Generac 005871 & 005883	10 KW	25.00"	48.00"	28.80"	387 lbs	EXP C 175 MPH
Generac 005872 & 005884	14 KW	25.00"	48.00"	28.80"	439 lbs	
Generac 6459, 6461, 6462	16 KW	25.00"	48.00"	28.80"	513 lbs	
Generac 006721	16 KW	25.00"	48.00"	28.80"	448 lbs	
Generac 005873 & 005885	17 KW	25.00"	48.00"	28.80"	455 lbs	
Generac 005874 & 005886	17 KW	25.00"	48.00"	28.80"	421 lbs	
Generac 005875 & 005887	20 KW	25.00"	48.00"	28.80"	451 lbs	
Generac 006729 & 006730	20 KW	25.00"	48.00"	28.80"	516 lbs	
Generac 006551 & 006552	22 KW	25.00"	48.00"	28.80"	526 lbs	
Kohler 14RES & 20RES	14-20 KW	26.00"	48.00"	28.80"	500 lbs	
Generac 7035, 7036, 7037	16 KW	25.00"	48.00"	28.80"	406 lbs	
Generac 007038 & 007039	20 KW	25.00"	48.00"	28.80"	448 lbs	
Generac 007042 & 7043	22 KW	25.00"	48.00"	28.80"	466 lbs	

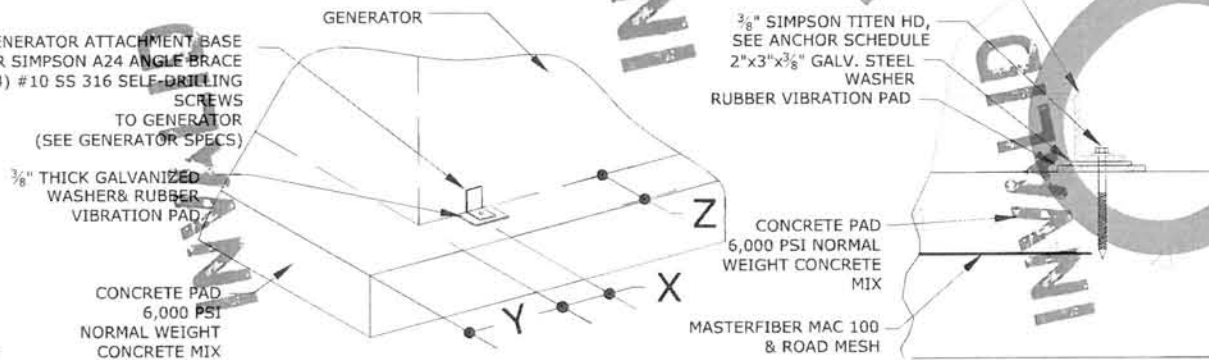
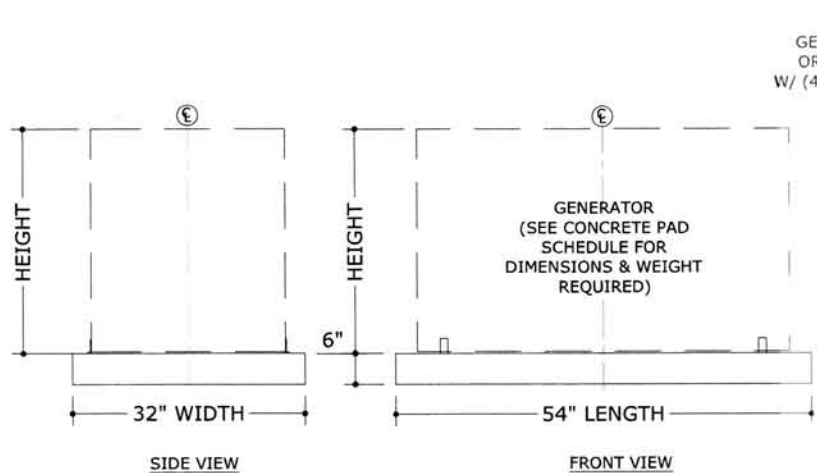
ANCHOR TO PAD SCHEDULE:

SUBSTRATE	DESCRIPTION
CONCRETE (6000 PSI MIN.)	(2)-3/8"Ø POWERS WEDGE-BOLT+ OR EQUIVALENT, 2" FULL EMBED TO CONCRETE, 3" MIN. EDGE DISTANCE, 6" MIN. SPACING TO ANY ADJACENT ANCHOR.

- NOTES:
- ANCHOR QUANTITY PER LONG SIDE
 - EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
 - ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.
 - ENSURE MINIMUM SPACING TO ANY ADJACENT ANCHORS.
 - FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS TO INSTALL ANCHORS.



GENERATOR MOUNTING CONFIGURATION:



- NOTES:
- Y DISTANCE DEPEND ON GENERATOR BASE LENGTH, NO LESS THAN 2".
 - X DISTANCE 3" FROM UNIT EDGE TO CLIP.
 - Z DISTANCE DEPEND ON GENERATOR BASE WIDTH, NO LESS THAN ANCHOR REQUIREMENTS

WIND DESIGN REQUIREMENTS:

(BASED ON ASCE 7-10 & FLORIDA BUILDING CODE SIXTH EDITION (2017))
AT-GRADE SIGN METHOD
ULTIMATE DESIGN WIND SPEED Vult = 175 mph
NOMINAL DESIGN WIND SPEED Vasd = 136 mph
RISK CATEGORY = II INTERNAL PRESSURE COEF = N/A
EXPOSURE CATEGORY = C WIND DIRECTIONALITY FACTOR Kd = 0.85
ENCLOSURE CATEGORY = N/A HEIGHT H = AT GROUND
GUST EFFECT FACTOR = 0.85 P AT HEIGHT H qh = 56.57 lb/ft2
FORCE COEFFICIENT Cf = 1.43
WIND PRESSURE:
P = qh G Cf = 41.18 lb/ft2 (ASD) LATERAL
P = MAX(qh, qh G Cf (1.5/1.9)) = 33.94 lb/ft2 (ASD) UPLIFT

GENERAL NOTES

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017).
- REQUIRED WIND LOAD DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED UNDER SEPARATE CERTIFICATION ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE (IF REQUIRED BY THE AHJ). SITE-SPECIFIC LOAD REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE DESIGN PRESSURE "ASD" CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- DIMENSIONS AND WEIGHT OF UNITS SHALL CONFORM TO SPECIFICATIONS STATED HEREIN.
- UNITS MUST BE CENTERED ON PAD WITH OPPOSITE SIDES HAVING EQUAL CLEARANCE. A MINIMUM DISTANCE FROM UNIT TO PAD EDGE IS SPECIFIED. THE AREA UNDER CONCRETE SLAB ON GROUND SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO INSTALLATION ON COMPACTED SOIL AS VERIFIED BY OTHERS.
- RESISTANCE TO SLIDING OF THE PAD ON THE GROUND IS NOT PART OF THIS DOCUMENT AS SOIL CHARACTERISTICS AND PAD PLACEMENT VARIES.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- WATER-TIGHTNESS OF EXISTING FINISHES 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.
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DEERFIELD BEACH, FL 33442
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SINGLE PAD 32X54X6
MASTER PLAN SHEET
FLORIDA BUILDING CODE SIXTH EDITION (2017)

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