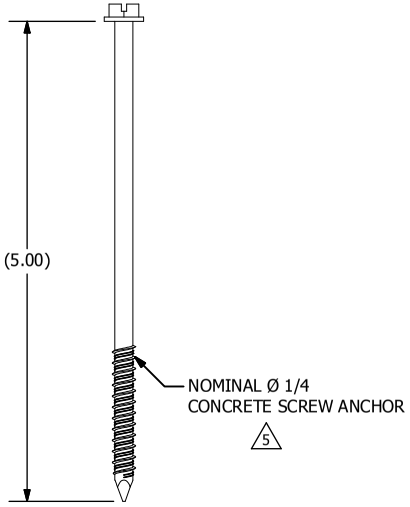
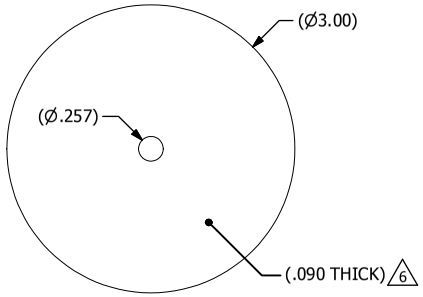
MAINSTREAM ENGINEERING CORP.

QwikPad™ Generator Pad

GENERATOR PAD CONCRETE ANCHOR KIT - INSTALLATION SPECIFICATION



1/1 ANCHOR
1:2 SCALE PLAN VIEW



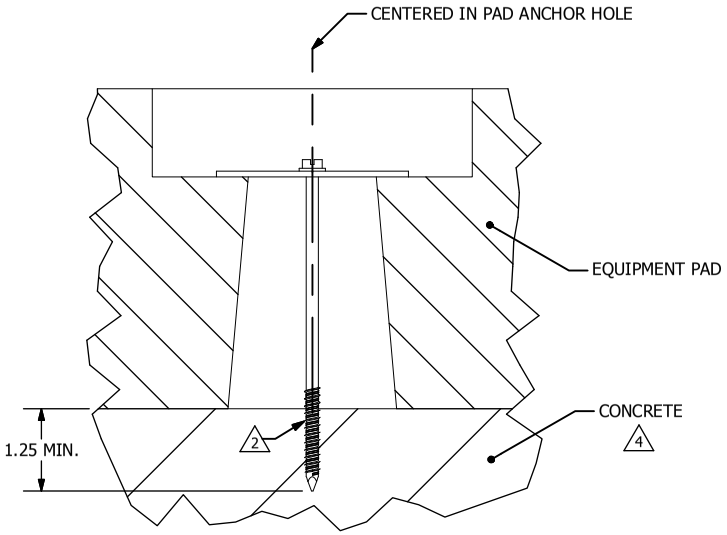
2/1 FENDER WASHER
1:2 SCALE PLAN VIEW

DESIGN NOTES:

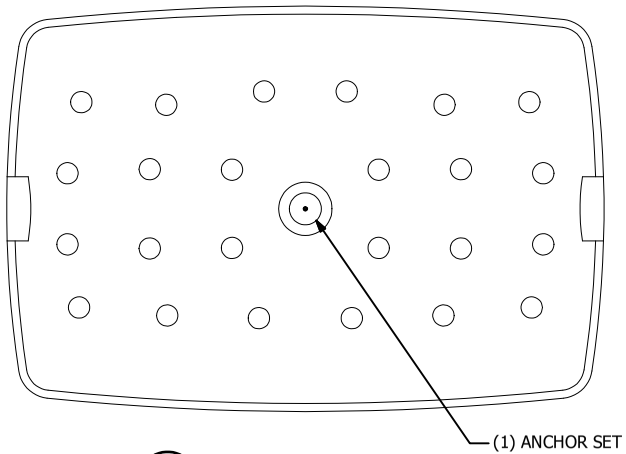
THIS PRODUCT HAS BEEN EVALUATED FOR USE AS AN ANCHORING METHOD FOR EQUIPMENT MOUNTING PADS INSTALLED ONTO AN EXISTING CONCRETE PAD FOR USE WITHIN AND OUTSIDE THE HIGH-VELOCITY HURRICANE ZONE. THE EQUIPMENT MOUNTING PAD HAS BEEN DESIGNED IN ACCORDANCE WITH THE ASCE 7-16 AND THE FLORIDA BUILDING CODE - SIXTH EDITION (2017).

GENERAL NOTES:

1. THIS PRODUCT INSTALLATION SPECIFICATION ONLY APPLICABLE FOR USE WITH QWIKPAD™ (SERIES QT82XX) HIGH-VELOCITY HURRICANE ZONE GENERATOR MOUNTING PADS (INDEPENDENT CERTIFICATION). APPROPRIATE PAD SIZE AND ANCHORING ASSUMED TO BE DETERMINED BY CONTRACTOR/INSTALLER BASED ON INSTALLATION SITE.
2. DESIGN IS BASED ON TECHNICAL DATA PROVIDED BY SCREW ANCHOR MANUFACTURER FOR 1.25 IN MIN. EMBEDMENT AND 3.0" MIN. EDGE DISTANCE. ANCHORS MUST HAVE 225 LB MIN. SHEAR LOAD CAPACITY (900 LB MIN. ULTIMATE SHEAR LOAD CAPACITY).
3. ONE (1) Ø1/4 IN. CONCRETE SCREW ANCHOR WITH FENDER WASHER (INCLUDED IN QT8381) SHALL BE USED PER PAD, AS REQUIRED BY WIND LOADING CALCULATIONS. ANCHOR SHALL BE INSTALLED THROUGH CENTER OF EXISTING PAD ANCHOR HOLE.
4. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4 IN. MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. THE ADEQUACY OF ANY EXISTING CONCRETE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS SPECIFICATION.
5. ANCHOR SHALL BE HARDENED STEEL WITH YIELD STRENGTH = 100 KSI OR BETTER. ANCHOR SHALL BE COATED WITH EPOXY BASE AND POLYESTER FILM THERMOSET POLYMER CORROSION-RESISTANT COATING.
6. 304 STAINLESS STEEL FENDER WASHERS SHALL BE ASTM A240 STAINLESS STEEL WITH YIELD STRENGTH=30 KSI OR BETTER.
7. ALL DIMENSIONS SHOWN ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.



3/1 ANCHOR INSTALL DETAIL
1:3 SCALE DETAIL



4/1 ANCHOR PLACEMENT
1:18 PLAN VIEW

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GENERATOR PAD CONCRETE ANCHOR KIT

REMARKS	DRWN	CHKD	DATE
INITIAL RELEASE	ALC	RPS	12/7/2018

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QT8381

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