

Florida Statewide Product Approval (FSA) # FL 46879.1 & .2
Engineering Express Project # 26-101955
THIS DOCUMENT CONTAINS (9) PAGES.**EVALUATION SUBJECT: ANCHORAGE FOR QUALIFYING ENCLOSURE MODELS****FL # 46879.1 & .2****REPORT HOLDER:**DISCOVERY ENERGY, LLC.
200 TWIN OAKS ROAD
KOHLER, WI 53044, USA**SCOPE OF EVALUATION (compliance with the following codes):**

THIS IS A STRUCTURAL (WIND) PERFORMANCE EVALUATION ONLY. NO ELECTRICAL OR TEMPERATURE PERFORMANCE RATINGS OR CERTIFICATIONS ARE OFFERED OR IMPLIED HEREIN. UNDER NO CIRCUMSTANCE DOES THIS PERFORMANCE EVALUATION GUARANTEE, IMPLY, OR STATE PERFORMANCE OF THE UNIT IS MAINTAINED DURING OR AFTER A DESIGN EVENT.

This Product Evaluation Report is being issued in accordance with the requirements of the **Florida Building Code Ninth Edition (2026)** per ASCE 7, FBC Building Ch. 16, FBC Building Sections 104.11 & 1522.2, FBC Existing Building Sections 707.1 & 707.2, FBC Mechanical 301.15, FBC Residential M1202.1 & M1301.1 and FS 471.025. The product noted in this performance evaluation has been tested and/or evaluated as summarized herein.

This Performance Evaluation Report is also in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005 F.A.C., for statewide acceptance per Method 1 (d). Re-evaluation of the product shall be required following the pertinent Florida Building Code or ASCE Standard modifications or revisions. The product noted in this report has been tested and/or evaluated as summarized herein.

SUBSTANTIATING DATA:**• Product Evaluation Documents**

Substantiating documentation has been submitted to provide this performance evaluation and is summarized in the sections below.

• Structural Engineering Calculations

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

- Maximum rated wind pressures stated herein
- Anchor connection integrity, verified by a unity check between tension and shear.

Calculation summary is included in this Performance Evaluation and appears herein.

LIMITATIONS & CONDITIONS OF USE:

Use of the product(s) listed herein shall be in strict accordance with this product evaluation as noted herein and manufacturer-provided model specifications. Installation shall conform to the minimum standards stated in the referenced building code(s) in addition to the specifications and limitations stated herein. See herein for complete limitations & conditions of use.

OPTIONS:

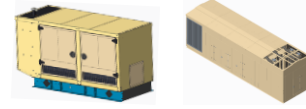
This evaluation is valid for the models listed herein. This evaluation includes standard product only. Contact Rehiko for Engineering Special (ES) orders. Any structural changes outside of the design as described herein would void this certification.

UNIT CASING MATERIALS:

Exterior panels, unit base, and integrated feet/legs shall be constructed of UTS = 36 ksi min. (or 250 MPa min.) galv. steel. Exterior panels shall be 22 GA min. thick. Unit base and integrated feet/legs shall be 20 GA min. thick. Exterior panels shall be secured with #8 (0.164") min. Ø, SAE Gr. 2 min. or SS sheet metal screws. Contact Report Holder for further unit construction information.

TERMINOLOGY:

See herein for definitions of abbreviations used in this report.



NOTE: THE GRAPHICAL DEPICTIONS IN THIS REPORT ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER IN APPEARANCE.

THIS ADDENDUM EVALUATION IS ONLY VALID WHEN PAIRED WITH THE SIGNED AND SEALED "UNIFORM (STATIC) WIND LOADING" PERFORMANCE EVALUATION REPORT BY THIS FIRM FOR THE RESPECTIVE MODEL.

STRUCTURAL PERFORMANCE:

Models referenced herein are subject to the following design limitations:

Maximum-Rated ASD Wind Pressures*:

± 65 psf Lateral, 65 psf Uplift

Maximum pressure rating determined based on the design parameters of:
Vult = 200 mph, Exposure D, flat terrain, at-grade,
"Other Structures" wind method (ASCE 7 29.4)

- Required design wind pressures shall be determined on a site-specific basis in accordance with ASCE 7 and applicable sections of the building code(s) being referenced in accordance with ASD methodology.
- Required design wind pressures shall be less than or equal to the maximum pressures listed herein.
- *Maximum-Rated ASD Wind Pressures indicate the maximum pressures that all units listed herein are approved for. Valid for at-grade applications. See limitations herein.
- Valid for use inside and outside the High-Velocity Hurricane Zone (HVHZ).
- Site-specific wind analysis may produce alternate limitations provided that the maximum-rated wind pressures stated herein are not exceeded.

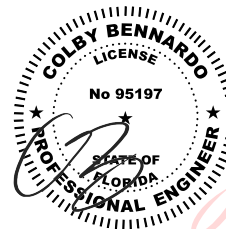
VISIT [ECALC.IO/REHLKO](https://ecalculator.io/rehiko)

FOR ENGINEER CERTIFIED ORIGINALS & MORE
INFORMATION ABOUT THIS DOCUMENT OR SCAN
THE QR CODE TO THE RIGHT >

**VISIT [ENGINEERINGEXPRESS.COM/STORE](https://engineeringexpress.com/store) FOR
ADDITIONAL PLANS, REPORTS & RESOURCES**



Engineer Signature & Seal:



Digitally signed by
Colby Bennardo
Date: 2026.08.17
11:14:24 -04'00'

August 15, 2026

Colby Bennardo, P.E.
ENGINEERING EXPRESS®

FL PE #95197 FLCA #9885

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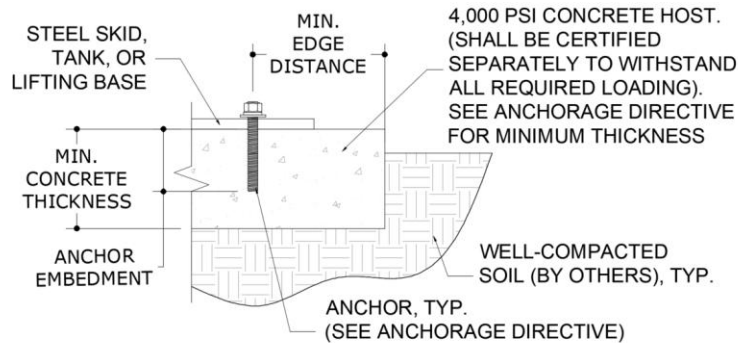
***FOR FLORIDA STATEWIDE PRODUCT APPROVALS (FSAs) REGISTERED & APPROVED WITH THE STATE OF FLORIDA:** ORIGINAL, SEALED COPIES OF APPROVED FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR PERMIT. SEE [ECALC.IO/SEAL](https://ecalculator.io/seal) TO LEARN MORE.

ANCHORAGE DIRECTIVE INSTRUCTIONS

The following set of instructions is intended for use with the “Anchorage Directive” table shown on the following pages.

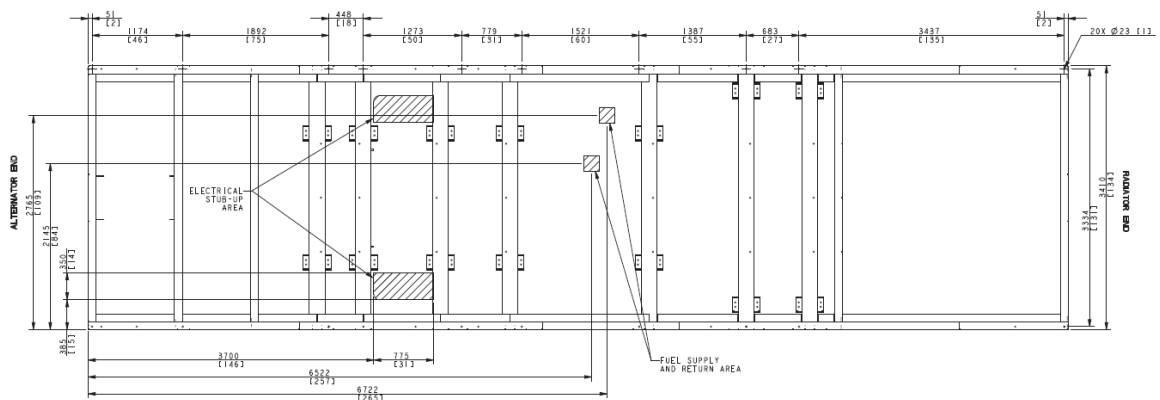
To determine anchorage specifications:

1. Locate the Generator model in the left-most column of the “Anchor Directive” table herein. (Note: “Anchorage Directive” table spans multiple pages.) The two columns right describe the associated Enclosure name and respective dimensional print (ADV).
2. Reading table data from left to right, select the correct size fuel tank where applicable, otherwise select “No Tank”.
3. Continue reading across from left to right for Anchor Specifications, which state: Anchor brand, model, nominal diameter, embedment, minimum edge distance, minimum concrete thickness, and total number of anchors, respectively. See the Anchor Illustration below. Note: Edge distance to concrete applies in all directions (i.e. any edge of concrete).



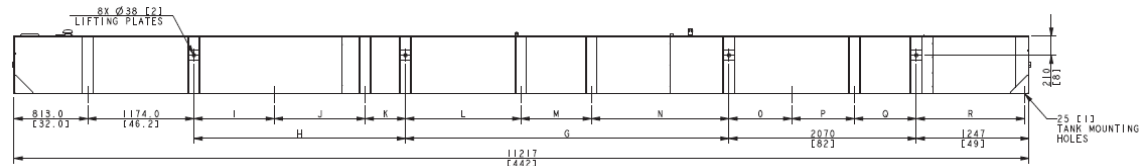
ANCHOR ILLUSTRATION

- 4. A: For enclosures anchored directly to host without a fuel tank:**
Go to the respective enclosure ADV and install the specified number of anchors at the delineated mounting hole locations. See the below example for the lifting base's mounting holes: (The sample lifting base shown is for illustration only.)



- B: For enclosures mounted on fuel tanks and tanks anchored to the host:**

Go to the respective fuel tank ADV and install the specified number of anchors at the delineated mounting hole locations. See the below example for the fuel tank's mounting holes: (The sample fuel tank in the example is for illustration only.)



5. Refer to Rehlko ADV-9107 and the "Wind Installation Requirements" section herein for additional installation instructions and directives.

ANCHORAGE DIRECTIVE

Genset Models	Enclosure		Fuel Tank			Anchor Specifications						
	Name	ADV	Liters	Gal	ADV	Anchor Brand	Model	Diam. (in)	Embed. (in)	Min. Edge Distance (in)	Min. Concrete Thickness (in)	# of Anchors
KG25	KG25-60 Sound Aluminum Enclosure* *Note: Enclosure design is permitted to have modified internal door intake baffles	ADV-9039	No Tank			HILTI	KWIK BOLT TZ2 SS304 or SS316	0.625	4	6	6	4
KG30												
KG40												
KG40A												
KG45												
KG50												
KG60												
KG25-60	Sound Aluminum	ADV-10023	No Tank			HILTI	KWIK BOLT TZ2 SS304 or SS316	0.625	4	6	6	4
KG80	Sound Aluminum	ADV-9083	No Tank			HILTI	KWIK BOLT TZ2 SS304 or SS316	0.625	4	6	6	6
KG80 w/ Catalyst							KWIK BOLT TZ2 SS304 or SS316					
KG80A*	*Same as KG80 offerings listed above, except with modified internal rear intake ducts (permitted change by Engineering Express). See KG80 specificaions above.											
KG100-125	Sound Aluminum	ADV-9083	No Tank			HILTI	KWIK BOLT TZ2 SS304 or SS316	0.625	4	6	6	6

ANCHORAGE DIRECTIVE NOTES

See "Anchorage Directive Instructions" on page 2 for additional information on "Anchorage Directive" table. Anchorage calculations were based on ADV-9107 provided by Rehlko. See "Anchorage Directive Instructions" section, Rehlko ADV-9107, and the "Wind Installation Requirements" section herein for additional installation specifications.

WIND INSTALLATION REQUIREMENTS (Page 1 of 2)

The following are requirements for wind-rated installations:

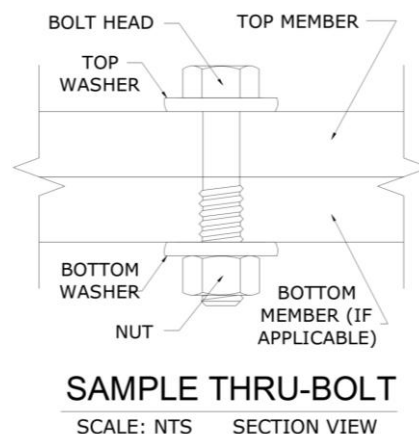
1. The design of post-installed anchors in concrete used for the component anchorage has been evaluated by this engineer for wind applications in accordance with ASCE 7 as referenced herein.
2. Anchors must be installed in minimum 4000 psi compressive strength normal weight concrete. Concrete aggregate must comply with ASTM C33. Installation in structural lightweight concrete is not permitted unless otherwise approved by the structural Engineer of Record.
3. Anchors must be installed to the torque specification as recommended by the anchor manufacturer to obtain maximum capacity.
4. Anchors must be installed in the locations specified in the Rehlko dimensional print (ADV) in correlation with the signed and sealed engineering herein. The more stringent requirement from either document shall apply in cases of uncertainty.
5. Anchors shall be corrosion-resistant coated (cnc), hot-dip galvanized (hdg), or otherwise rated for permanent outdoor installation.
6. Anchor plates from Rehlko must be installed at each anchor location between the anchor head and the equipment for tension load distribution.
7. Concrete floor slab and concrete housekeeping pads must be designed, and rebar reinforced for wind applications in accordance with the current editions of the ACI "Building Code Requirements for Structural Concrete" and ASCE 7 as referenced herein.
8. All housekeeping pad thicknesses must be designed in accordance with pre-qualification test report or a minimum of 1.5x the anchor embedment depth, whichever is largest.

WIND INSTALLATION REQUIREMENTS (Page 2 of 2)

9. All housekeeping pads must be doweled or cast into the building structural floor slab and designed for wind application per appropriate code requirements for the subject jurisdiction and as approved by the structural Engineer of Record.
10. Wall-mounted equipment must be installed to a rebar reinforced structural concrete wall that is designed for wind applications and approved by the Engineer of Record to resist the added wind loads from the components being anchored to the wall.
11. Floor-mounted equipment (with or without housekeeping pad) must be installed to a rebar reinforced structural concrete floor that is designed for wind applications and approved by the Engineer of Record to resist the added wind loads from components being anchored to the floor.
12. When installing to a floor, rebar interference must be considered.
13. Attaching equipment to any floor other than those constructed of structural concrete and designed to accept the wind loads from said equipment is not permitted by this specification and beyond the scope of this certification.
14. Attaching equipment to any concrete block walls or cinder block walls is not permitted by this specification and beyond the scope of this certification.
15. Rooftop installations are not permitted by this specification and are beyond the scope of this certification.
16. Installation upon rooftop curbs shall be coordinated with the curb manufacturer and the Structural Engineer of Record. Any curb or concrete pad that supports the RTU unit is beyond the scope of this certification.
17. Anchor locations, size, type and load requirements shall be as specified on the certified installation specification. Mounting requirement details such as brand, type, embedment depth, edge spacing, anchor spacing, concrete strength, wall bracing, and special inspection must be outlined and approved by the project Structural Engineer of Record to withstand the wind anchor loads as defined on the certified installation specification. The installing contractor is responsible for the proper installation of all anchors and mounting hardware, observing the mounting requirement details outlined by the Engineer of Record. Contact Relhko if a detailed Wind Installation Calculation Package is required.
18. Electrical wiring, piping, duct and other connections to the equipment is the responsibility of the installing contractor. It is necessary that these remain intact, functional and do not inhibit the functionality of the generator set after a wind event.
19. Concrete pad dimensions are minimum values designed to satisfy only the anchor requirements. The pad must be designed by the project Structural Engineer of Record.

TERMINOLOGY

The following abbreviations may appear in this report: "Addtl." for "additional", "AHJ" for "Authority Having Jurisdiction", "alum" for "aluminum", "ASCE" for "American Society of Civil Engineers", "ASD" for "Allowable Stress Design", "ASTM" for "American Society for Testing and Materials", "EA." for "each", "E.D." for "edge distance", "EDDS" for "extra deep drawing steel", "e.g." for "*exempli gratia*" or "for example", "equiv." for "equivalent", "FBC" for "Florida Building Code", "FEA" for "Finite Element Analysis", "FLCA" for "Florida Certificate of Authorization", "FS" for "Florida Statutes", "Fu" for "ultimate tensile strength" or "ultimate tensile stress", "Fy" for "yield strength" or "yield stress", "GA" for "gauge", "GR." or "Gr." for "grade", "HVAC" for "heating, ventilation, and air conditioning", "HVHZ" for "High-Velocity Hurricane Zone", "i.e." for "*id est*" or "in other words", "in" for "inch", "lb" for "pound (force)", "max." for "maximum", "min." for "minimum", "mm" for "millimeter", "NTS" for "not to scale", "O.C." for "on center", "OD" for "outer diameter", "pcf" for "pounds (force) per cubic foot", "PE" for "Professional Engineer", "qty" for "quantity", "SAE" for "Society of Automotive Engineering", "SMS" for "sheet metal screws", "SS" for "stainless steel", "TER" for "Technical Evaluation Report", "typ." for "typical", "ult" for "ultimate loads", "U.N.O." for "unless noted otherwise", "UTS" for "ultimate tensile strength" or "ultimate tensile stress", "WLL" for "working load limit", "w/o" for "without", "YS" for "yield strength" or "yield stress", "#" for "number", "&" for "and", and "Ø" for "diameter". Please visit ecalco.io/glossary for additional abbreviation clarifications.



Note: The term "Thru-Bolt" or through bolt, if used herein, refers to a bolt passing through the member(s) in contact and is fastened by a nut at the end opposite the screw head. Nut shall be equivalent to or exceed the strength of the bolt U.N.O. Nut shall be sized to accommodate the same nominal diameter as the bolt U.N.O. See diagram above-right for a sample thru-bolt configuration.

Note: For instances herein which list material specifications as "[material type] or stronger":

U.N.O. herein, the term "stronger" refers to a material with a UTS value equal to or greater than the UTS value of the stated material type. Consult appropriate literature for established material UTS values.

Note: Equivalent steel gauge thicknesses as used in this evaluation, U.N.O., are as follows:
22 GA (.030"), 20 GA (.036"), 18 GA (.048"), 16 GA (.060"), 14 GA (.075"), 12 GA (.098").

LIMITATIONS & CONDITIONS OF USE, CONTINUED

Host Structure: The supporting host structure shall be designed to resist all superimposed loads as determined by others on a site-specific basis as may be required by the Authority Having Jurisdiction. No evaluation is offered for the host supporting structure by use of this document.

Production Drawings: The following drawings shall be accessible if required for a full permit application to be submitted to the Authority Having Jurisdiction in conjunction with this Performance Evaluation:

- Electrical schematic(s)
- Final assembly drawings and parts lists sufficient to detail primary components, operator controls, and their locations
- Complete set of mechanical drawings for all machined parts
- Complete part specifications (including manufacturer's model numbers, size, ratings, etc.) for all purchased parts
- Specification sheets for all parts/components
- Drawings showing all construction details
- Product label drawing(s) showing all required marking information. The label drawing shall show the proposed label location on the equipment and artwork showing the manufacturer's name, address, model and serial numbers, equipment ratings, warning markings.

Drawing and Change Control: The manufacturer shall establish a system of product configuration control that shall allow no unauthorized changes to the product. Changes to critical documents, identified in this Performance Evaluation, must be reported to, and authorized by, this office prior to implementation for production.

Survivability: Evaluation reports are valid for a newly installed unit and do not include certification of the product beyond a design event or if impacted by any debris. Inspections shall be implemented annually by the end user and after every named storm. All fasteners and cabinet components are to be verified, and all damaged, loose, corroded, and/or broken fasteners and cabinet components shall be replaced to ensure structural integrity against hurricane wind forces. Contact this office for any reevaluation needs or as designated by the Authority Having Jurisdiction.

Durability: For permanent outdoor installations, all exposed anchors, fasteners, connectors, and metal plates shall be corrosion resistant. Corrosion resistance may be provided by inherent material composition or, where permitted by code, by an approved protective coating or galvanization. Where applicable near a saltwater coastline, such components shall comply with FBC Section 1711, including applicable requirements for exposed, protected, or enclosed conditions. Materials, coatings, and finishes shall be compatible with connected materials, and protective coatings shall be continuous over exposed surfaces. Fasteners used with aluminum members shall also comply with Section J.3.7.2 of the Aluminum Design Manual, "Specification for Aluminum Structures." Substitution of components from alternate manufacturers, or with different materials, coatings, or finishes, shall not be assumed equivalent and may require additional engineering review or site-specific analysis. Components or component assemblies shall not deteriorate, crack, fail, or lose functionality due to galvanic corrosion or weathering. All supporting components that are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Each component or component assembly shall be supported and oriented in its intended installation position. All exposed plastic components shall be certified to resist sunlight exposure as specified by ASTM B117, or ASTM G155 in Broward or Miami-Dade counties.

Extent of Certification: Certification pertains to the anchorage of the generator enclosure and/or fuel tank to the host structure by others, subject to the limitations and criteria stated herein. Operability during or after a design event is not included in this certification. Water infiltration is outside the bounds of this certification. No other certifications are intended other than as described herein. This evaluation alone does not offer any evaluation for uniform static wind loading, large missile impact debris, or cyclic wind requirements unless specifically stated herein.

Proj. #	Remarks	By	Checked	Date	Proj. #	Remarks	By	Checked	Date
18-6258.25	Initial Issue	LAO	LAO	04/01/19	24-76917	Update to 2023 FBC	EPR	EPR	06/21/24
18-6258.25	KG200 Added	LAO	LAO	12/20/19	24-76917	ADV-9107 Revision	MARH	EPR/RWN	03/25/25
20-28238	Update to 2020 FBC	JC, ER	EPR	05/04/21	26-101955	2026 FBC Update	BJV/EPR	CCB	08/13/26