Engineering Express® (EX)
Product Evaluation Report

August 15, 2026

Application Number:	FL 46879.5
EX Project Number:	26-101971
Product Manufacturer:	Discovery Energy, LLC
Manufacturer Address:	200 Twin Oaks Road Kohler, WI, 53044 USA

Product Name & Description:

KG150-200 & KD150-200 Aluminum Enclosures (With Hurricane Bracing Kit)
(Large Missile Impact, Cyclic Wind, Static Wind, and Anchorage Certifications)

Scope of Evaluation:

This Product Evaluation Report is being issued 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). The product noted above has been tested and/or evaluated as summarized herein to show compliance with standard ASCE 7-22 (ASD) and the Florida Building Code Ninth Edition (2026) and is, for the purpose intended, at least equivalent to that required by the Standard and Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX Performance Evaluation document # 26-101971 titled "KG150-200 & KD150-200 Aluminum Enclosures (With Hurricane Bracing Kit)", prepared by Engineering Express, Inc., signed & sealed by Colby Bennardo, P.E. is an integral part of this Evaluation Report.

- **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:

- Max. rated allowable (ASD) lateral & uplift wind pressures
- Max. allowable sliding forces, uplift forces, & overturning moments
- Tie-down configuration and anchor capacity for included unit, tank, and I-beam anchoring as specified herein (tank integrity and host integrity by others)
- Unit integrity via FEA on unit framing/housing & connections.
- Max. Missile Impact Rating per TAS 201 – Level "E"
- Max. Cyclic Wind Pressures per TAS 203 & FBC Table 1625.4

- **TEST REPORTS**

Product testing and structural engineering calculations have been prepared which evaluate the product based on comparative analysis (per FBC Building Section 1709.5.1) per the following:

Test Lab	Test Report #	Test Standard	Test Description	Signed & Sealed By:
Intertek	i4190.01-109-18-r0	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Daniel C. Culbert, P.E.
Intertek	i4981.02-109-18-r0	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Joseph A. Reed, P.E.
Intertek	i4981.03-109-18-r1	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Joseph A. Reed, P.E.
Intertek	i4981.04-109-18-r0	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Joseph A. Reed, P.E.
Intertek	i7639.01-109-18-r1	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Joseph A. Reed, P.E.
Intertek	i8180.01-109-18-r0	TAS 201-94, TAS 203-94	Large Missile Impact Testing, Cyclic Wind Loading	Daniel C. Culbert, P.E.

Impact Resistance:

Large Missile Impact Resistance (Missile Level E) has been demonstrated as evidenced in previously listed test report(s) and is accounted for in the engineering design of this product.

Wind Load Resistance:

This product has been designed to resist wind loads as indicated on its respective Performance Evaluation document (i.e. engineering document).

Installation:

The product listed above shall be installed in strict compliance with the Performance Evaluation document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Performance Evaluation document (i.e. engineering document).

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK, SEE NEXT PAGE

Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Performance Evaluation document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Performance Evaluation document will invalidate it. This product has been designed for use inside and outside of the High Velocity Hurricane Zone (HVHZ & NON-HVHZ).

Respectfully,

COLBY BENNARDO LICENSE No 95197 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Colby Bennardo
Date: 2026.08.17 11:15:48 -04'00'

Colby Bennardo, P.E.
ENGINEERING *EXPRESS*®
#PE 95197 | Cert. Auth. 9885

*PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
***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** TO LEARN MORE.