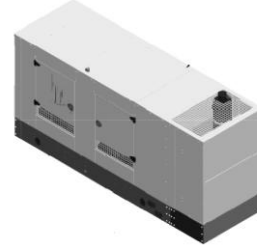


EVALUATION SUBJECT: 180-200REZXB ALUM. ENCLOSURE & QUAL MODELS: IMPACT & CYCLIC

FL 28906.1 & .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 (CYCLIC WIND & MISSILE IMPACT) 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 Performance Evaluation 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, 453.25.5 & 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 revision. The product noted in this report has been tested and/or evaluated as summarized herein.

SUBSTANTIATING DATA:**• Product Evaluation Documents (Test Reports)**

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

Test Reports: i4981.02-109-18-r0, i4981.03-109-18-r1,
i4981.04-109-18-r0, & i4981.05-109-18-r0, all tests by Intertek.

• Structural Engineering Calculations and Testing

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

- Maximum Missile Impact Rating per TAS 201 – Level “E”
- Maximum Cyclic Wind Pressures per TAS 203 & Table 1625.4, as shown under the “Structural Performance” section on this page.

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 described 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:

1/8" Al 5052-H32 top panel. 1/8" Al 5052-H32 for side panels and 3/16" steel ASTM A1011 for bottom skids, panels secured with 3/16" pop rivets grade 51 and panel to skid secured with M8-M12 hex head bolts class 8.8 (see dimensional drawings for specific locations). Contact Report Holder for further unit construction information.

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

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

STRUCTURAL PERFORMANCE:

Models referenced herein are subject to the following design limitations:
Rated for HVHZ (High-Velocity Hurricane Zone) & Non-HVHZ Applications
Missile speed 80 ft/s.
Risk Category III / IV.

Maximum Allowable (ASD)
Cyclic Wind Pressures
Wall Panels/Doors/Louvers: ± 39 psf
Roof Panels: ± 60 psf

Maximum Missile
Impact Rating:
Missile Level “E”

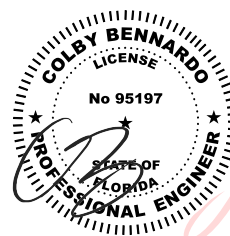
VISIT [ECALC.IO/REHLKO](https://ecalc.io/rehiko)

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
16:24:10 -04'00'

August 16, 2026

Colby Bennardo, P.E.
ENGINEERING EXPRESS®

FL PE #95197 FLCA #9885

☐ If Checked,
Certifying Engineer
PE# & CA# Appear Above

*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](https://ecalc.io/seal) TO LEARN MORE.

EVALUATION SUMMARY

Engineering Express has reviewed the design requirements per the Florida Building Code Ninth Edition (2026) and ASCE 7 for the structural integrity of the above-referenced Rehlko sound aluminum housing unit with steel skid to withstand a Missile Level "E" for Risk Category III/ IV Structures and the cyclic pressures stated on page 1 of this report. This performance evaluation certifies the enclosures listed herein for cyclic wind loading and large missile impact only. The analysis forming the basis of this certification includes the unit framing and housing only and requires that a permanent near-grade (non-rooftop) attachment to a concrete or metal host structure as certified/verified by others. Steel skid tie-down anchor locations shall conform to specifications stated in the respective "Uniform (Static) Wind Loading" performance evaluation for the enclosure model in question. Additionally, the unit shall not be installed in a location susceptible to channeling effects from upwind obstacles. It shall be the installer's responsibility to ensure: the criteria for the unit housing integrity, as listed above, is applicable for use at the location of installation, the mounting method meets or exceeds the requirements of the local code, and is approved by the appropriate local authority before installation.

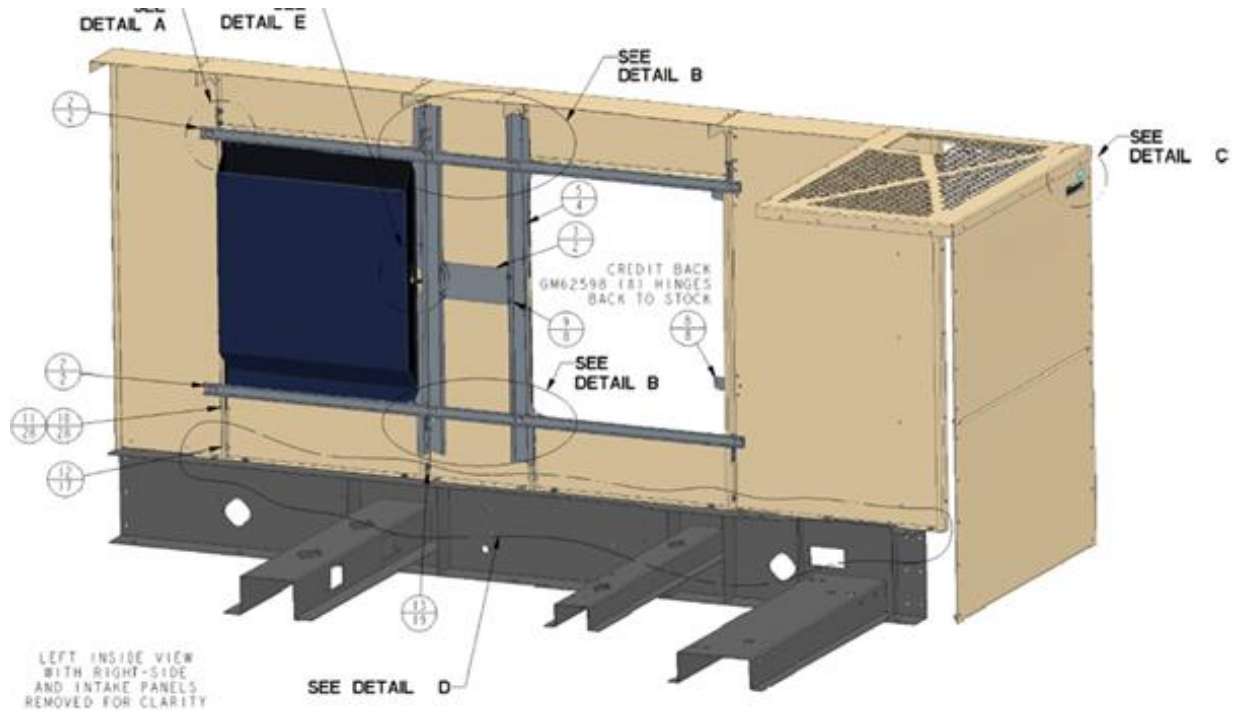
This certification is intended to certify the structural capacity and integrity of the structural framing members, wall and roof sheet metal skins, generator skid and internal structural connections only for the Sound Aluminum Enclosure (and qualifying models) stated herein to resist missile level "E" and the stated maximum cyclic pressures. Design of the generator itself, mechanical designs, energy/electrical criteria, generator slab support, anchorage and tie-down method accompanying components and all non-structural items shall be verified by others and outside the scope of this certification. Upon the prepared test program, review of the results shown on the provided test reports, and comparative analysis to the tested enclosures referenced in the test reports, this engineer has concluded that the aluminum housing enclosure provides adequate resistance to the specified missile impact and cyclic loads.

All installation work shall follow the minimum requirements of the Florida Building Code Ninth Edition (2026) and the respective "Uniform (Static) Wind Loading" performance evaluation for the enclosure model in question, in addition to any additional site-specific requirements for tie-down certification which is not included in this report. Except as expressly provided herein, no additional affirmations are intended.

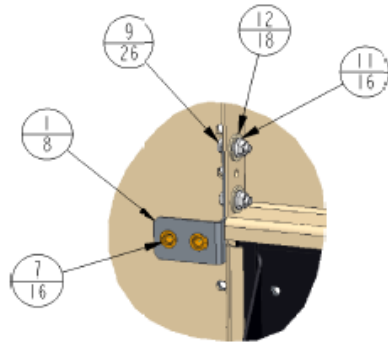
The enclosure's deformation after a design event is a serviceability element; testing showed that deformations are present; however, those did not cause the equipment to detach, dislodge, or otherwise separate from the assembly. Moreover, no critical component limit was reached due to the acting distortion.

RETROFIT TO ALUMINUM ENCLOSURE

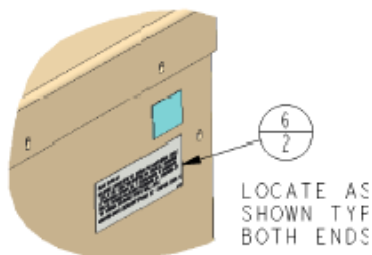
The enclosures listed herein shall be retrofitted per the retrofit drawings referenced in the "Enclosure Models Included" section. The Details shown in this section are for reference only and do not depict all required retrofits.



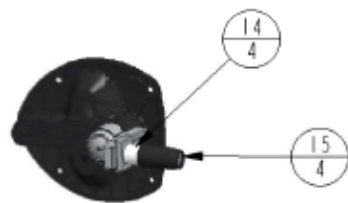
RETROFIT TO ALUMINUM ENCLOSURE, CONTINUED



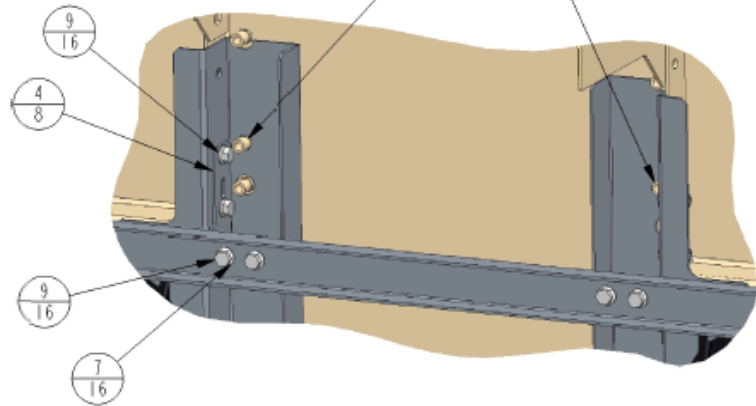
DETAIL A



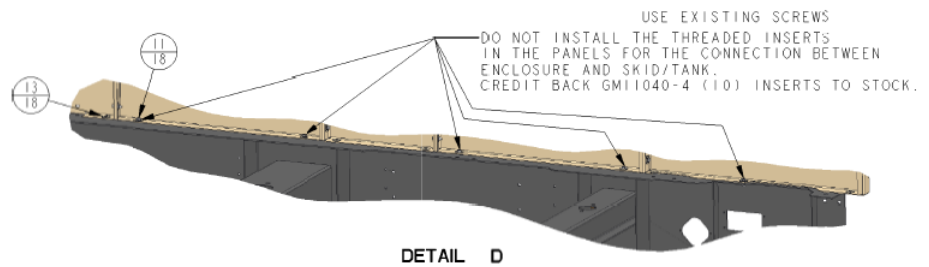
DETAIL C

DETAIL E
SCALE 0.30

INSTALL THREADED INSERTS
INTO THE STEEL BRACKETS,
TO BOTH UPPER AND
LOWER LOCATIONS
DO NOT INSTALL TO
ENCLOSURE PANEL



DETAIL B



DETAIL D

ITEM	PART NO	QTY	DESCRIPTION
			BRACING, HURRICANE RATED ENCL.
1	GM106267	8	BRACKET, SUPPORT
2	GM106273	4	BRACKET, SUPPORT
3	GM106274	2	BRACKET, SUPPORT
4	GM106275	8	BRACKET, SUPPORT
5	GM106276	4	BRACKET, SUPPORT
6	GM106339	2	DECAL, HURRICANE RATED ENCLOSURE
7	GM11040-4	32	INSERT, THREADED M8-1.25
8	GM87427	8	HINGE, DOOR
9	M6921-C8020-60	66	SCREW, HEX FLANGE M3 X 20
10	M6921-C8030-60	28	SCREW, HEX FLANGE (M8-1.25 X 30MM)
11	M6923-C8-80	62	NUT, HEX 8MM
12	X-25-1	35	WASHER, PLAIN, .438 ID X 1 IN. OD
13	X-25-38	37	WASHER, PLAIN, .406 ID X 1.25 IN. OD
14	X-400-91	4	SPACER, .406 ID X .525 OD X .5 IN. (6M)
15	X-6245-2	4	SCREW, C'SUNK HEX HEAD MACHINE

ENCLOSURE MODELS INCLUDED

Generator	Enclosure Type	Enclosure File Number	Revision (if Applicable) & Date	Retrofit File Number	Revision (if Applicable) & Date	Test Report
180-200REZXB	180-200REZXB Sound Aluminum Enclosure	GM102280-KA6	Rev "A" 02/11/19	GM106259-KA3	Rev "F" 05/13/25	i498.02-109-18-r0
						i498.04-109-18-r0
						i498.05-109-18-r0
180REOZJG	180REOZJG/200REOZJF Sound Aluminum Enclosure	GM87410-KA6	Rev "E" 08/13/25	GM106259-KA6	Rev "F" 05/13/25	QUALIFIED UNDER COMPARATIVE ANALYSIS
200REOZJF						
230-275REOZJE	230-275REOZJE/300REOZJ Sound Aluminum Enclosure	GM87411-KA6	Rev "J" 10/27/25	GM106259-KA6	Rev "F" 05/13/25	
300REOZJ						

TESTED UNIT

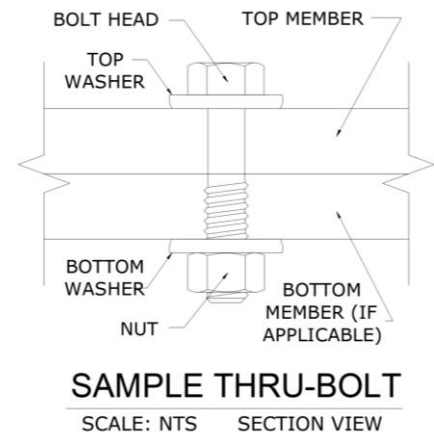
Unit models listed above were evaluated and compared using enclosure 180-200REZXB and its respective test reports mentioned. Enclosures share identical constructions, and dimensions (height, width, and depth) are equal to or less than the tested model.

TEST REPORTS UTILIZED

Design and certification of the unit cabinetry for impact and cyclic ratings are approved through: Intertek Report #: i4981.02-109-18-r0, i4981.04-109-18-r0, & i4981.05-109-18-r0. Tested according to TAS201-94 & TAS203-94.

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 ecalx.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 list 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, and 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 overall structural integrity of the unit components listed within the evaluation as required by code, 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 large missile impact debris or cyclic wind requirements unless specifically stated herein

Proj. #	Remarks	By	Checked	Date	Proj. #	Remarks	By	Checked	Date
18-6258.20	Initial Issue	LAO	LAO	04/01/19	23-68488	Update to 2023 FBC	MRT/ER	ER/RN	02/22/24
18-6258.20	KG200 Added	LAO	LAO	12/20/19	23-68488	Branding Changes	MARH	RWN	05/09/25
20-27907	KG80 w/ Catalyst Added	EPR	RWN	09/30/20	26-101803	2026 FBC Update	BJV/EPR	EPR	08/13/26
20-28212	Update to 2020 FBC	JC, ER	EPR	05/04/21					