



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

August 1, 2023

Bradley Parsons
Director of Design and Permitting
Verogy
124 LaSalle Road, 2nd Floor
West Hartford, CT 06107
bparsons@verogy.com

RE: **PETITION NO. 1550** – VCP FX Middletown, LLC d/b/a Verogy declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.5-megawatt AC roof-mounted solar photovoltaic electric generating facility located at the Fed Ex Distribution Center, 49 FedEx Drive, Middletown, Connecticut, and associated electrical interconnection.

Dear Bradley Parsons:

The Connecticut Siting Council (Council) is in receipt of your correspondence dated July 27, 2023, regarding compliance with Condition No. 2 of the Council's Declaratory Ruling issued on March 3, 2023 for the above-referenced facility. The correspondence includes the final structural design for the racking system stamped by a Professional Engineer duly licensed in the State of Connecticut, in accordance with Condition No. 2.

Therefore, the Council acknowledges that Condition No. 2 has been satisfied. This acknowledgment applies only to the condition satisfied by the July 27, 2023 correspondence.

Please be advised that deviations from the standards established by the Council in the Declaratory Ruling are enforceable under the provisions of Connecticut General Statutes §16-50u.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MB/IN/laf

Bradley Parsons
development@verogy.com
(860) 288-7215 x715
124 LaSalle Road, 2nd Floor
West Hartford, CT 06107
Verogy.com

July 27, 2023

Via Electronic Filing

Melanie Bachman, Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Petition No. 1550 - VCP FX CT, LLC Petition for Declaratory Ruling pursuant to Connecticut General Statutes §4-176 and §16-50k, for the Construction, Operation, and Maintenance of a 1.5 MW AC Roof-Mounted Solar Photovoltaic Electric Generating Facility at FedEx Distribution Center, 49 FedEx Drive, Middletown, Connecticut – PE Stamped & Signed Structural Design

Dear Ms. Bachman:

Pursuant to Condition No. 2 in the Connecticut Siting Counsel's ("CSC") Findings of Fact, Opinion, and Decision and Order ("Declaratory Ruling") (Petition No. 1550), we are hereby providing, via email, the final structural design for the racking system stamped by a Professional Engineer duly licensed in the State of Connecticut prior to commencement of construction.

If you have any questions concerning this notification, please contact me at your convenience.

Sincerely,



Bradley J. Parsons
Director of Design and Permitting



VSE Project Number: U4867.0016.231

April 12, 2023

Verogy
150 Trumbull Street
Hartford, CT 6103

REFERENCE: Fedex Middletown Building: 49 Fedex Drive, Middletown, CT 06457
Solar Array Installation

To Whom It May Concern:

Per your request, we have reviewed the rails and connections the existing structures at the above referenced site. The purpose of our review was to determine the adequacy of the proposed racking and connections to the existing building. Based upon our review, we conclude that the proposed connection method is adequate to support the proposed solar panel installation. Based on the manufacturer specifications, the Ironridge XR100 rail, and accompanying racking is adequate to span 48" between attachment points. The analysis of the existing structure is by others, including the attachment of the metal roof panels to the existing structure.

Design Parameters

Code: Connecticut State Building Code, 2022 Edition (2021 IBC)

Risk Category: II

Design wind speed, Vult: 120 mph (3-sec gust)

Wind exposure category: C

Ground snow load, Pg: 30 psf

Flat roof snow load, Pf: 30 psf

Existing Roof Structure

Roofing material: metal seam

Roof slope: 1.8°

Connection to Roof

Mounting connection: (1) S-5! E or E Mini Clamp to min. 24 ga steel roofing

Maximum mounting spacing along rails:

Zone 1' (Beyond 24' from roof edge): 48" o.c.

Zone 1 (Beyond 12' from roof edge to 24' from roof edge): 48" o.c.

Zone 2 (Within 12' of roof edge): 24" o.c.

Zone 3 (Within 12' of roof corner and within 4' of roof edge): 24" o.c.

Install (2) rails per row of panels, evenly spaced; panel length perpendicular to the rails shall not exceed 90 in
Rail cantilever shall not exceed the lesser of 50% of the connection spacing or maximum cantilever allowed by
manufacturer



VSE Project Number: U4867.0016.231

Fedex Middletown Building

4/12/2023

Limitations

Installation of the solar panels must be performed in accordance with manufacturer recommendations. All work performed must be in accordance with accepted industry-wide methods and applicable safety standards. The design of the solar panels, the existing structure, and electrical engineering is the responsibility of others.

VECTOR STRUCTURAL ENGINEERING, LLC

CT Firm License: PEC 0001229



04/12/2023

Jacob Proctor, P.E.

CT License: PEN.0034373 - Expires: 01/31/2024

Project Engineer

Enclosures

JSP/wic



JOB NO.: U4867.0016.231
SUBJECT: WIND PRESSURE

PROJECT: Fedex Middletown Building

Components and Cladding Wind Calculations

Label: Solar Panel Array

Note: Calculations per ASCE 7-16

SITE-SPECIFIC WIND PARAMETERS:

Basic Wind Speed [mph]: 120
Exposure Category: C
Risk Category: II

Notes:

ADDITIONAL INPUT & CALCULATIONS:

| | | | | |
|---------------------------------|--------------------|-------------------|----------------------|------|
| Height of Roof, h [ft]: | 20 | (Approximate) | | |
| Comp/Cladding Location: | Gable Roofs | $0 \leq 7^\circ$ | | |
| Enclosure Classification: | Enclosed Buildings | | | |
| Zone 1' GCp: | 0.90 | Figure 30.3-2A | Zone 1' γ_a : | 0.73 |
| Zone 1 GCp: | 1.63 | (negative coeff.) | Zone 1 γ_a : | 0.73 |
| Zone 2 GCp: | 2.30 | | Zone 2 γ_a : | 0.80 |
| Zone 3 GCp: | 3.20 | | Zone 3 γ_a : | 0.80 |
| α : | 9.5 | Table 26.11-1 | | |
| z_g [ft]: | 900 | Table 26.11-1 | | |
| K_h : | 0.90 | Table 26.10-1 | | |
| K_e : | 1.00 | Table 26.9-1 | | |
| K_{zt} : | 1 | Equation 26.8-1 | | |
| K_d : | 0.85 | Table 26.6-1 | | |
| Velocity Pressure, q_h [psf]: | 28.1 | Equation 26.10-1 | | |
| γ_E : | 1.50 | Section 29.4.4 | | |

WIND PRESSURES: Equation 29.4-7 $p = q_h (GC_p)(\gamma_E)(\gamma_a)$

Zone 1', p [psf]: 27.7 psf (1.0 W)
Zone 1, p [psf]: 50.1 psf (1.0 W)
Zone 2, p [psf]: 77.6 psf (1.0 W)
Zone 3, p [psf]: 108.0 psf (1.0 W)
(0.2h = 4 ft)
(0.6h = 12 ft)
(1.2h = 24 ft)



JOB NO.: U4867.0016.231
SUBJECT: CONNECTION

PROJECT: Fedex Middletown Building

Calculate Uplift Forces on Connection

| | Pressure (0.6 Dead -0.6 Wind) (psf) | Max Trib. Width ¹ (ft) | Max Trib. Area ² (ft ²) | Max Uplift Force (lbs) |
|---------|---|---|--|------------------------------|
| Zone 1' | 14.8 | 4.0 | 15.0 | 222 |
| Zone 1 | 28.2 | 4.0 | 15.0 | 423 |
| Zone 2 | 44.8 | 2.0 | 7.5 | 336 |
| Zone 3 | 63.0 | 2.0 | 7.5 | 473 |

Calculate Connection Capacity

| | |
|--|-----------------------------|
| Roof Connector: | S-5! E or E Mini Clamp |
| Additional Connection Info: | to min. 24 ga steel roofing |
| Ultimate Capacity ³ [lbs/in]: | 1550 |
| Factor of Safety: | 3 |
| Qty. of Connectors: | 1 |
| Prying Coefficient: | 1 |
| Total Capacity [lbs]: | 517 |

Determine Result

| | |
|----------------------|-----|
| Maximum Demand: | 473 |
| Connection Capacity: | 517 |

Result: **Capacity > Demand, Connection is adequate.**

Notes

1. 'Max Trib. Width' is the width along the rails tributary to the connection.
2. 'Max Trib Area' is the product of the 'Max. Trib Width' and 1/2 the panel width/height perpendicular to the rails. (2) rails per row of panels. Length of panels perpendicular to the rails shall not exceed 90".
3. Ultimate capacity values are from manufacturer testing. Metal gauge is unknown. A conservative thickness has been used. Metal gauge shall be verified in field prior to installation of solar panels. Roof deck model is unknown or has not been tested for this connector. The capacity used is based on conservative values from testing of the connector on similar roof deck model.
4. Install metal roof connector per manufacturer's written instructions with recommended fasteners when indicated.

| Rail: XR100 | Gable Roof Flush Mount System Span Table (inches) - Portrait or Landscape Installation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|----------|---------|---------|----------|-----|----|--------------|----|----|-----------|----|----|
| | **Max Module Length: 92.5", Max Module SF: 29.5 SF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Exposure C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind Speed (mph) | Roof Slope (deg.) | Ground Snow: 0 psf | | | 10 psf | | | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | 70 psf* | | | 80 psf* | | | 90 psf* | | | 100 psf* | | | 110 psf* | | | 120 psf* | | | Exposed Mod. | | | Edge Mod. | | |
| Wind Speed (mph) | Roof Slope (deg.) | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 | | | | | | | | | |
| 90 mph | 8-20 | 112 | 112 | 101 | 96 | 96 | 96 | 79 | 79 | 79 | 77 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 112 | 86 | 77 | 80 | 67 | 61 | | |
| | 21-27 | 110 | 110 | 110 | 93 | 93 | 93 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 110 | 96 | 88 | 88 | 73 | 68 | | |
| | 28-45 | 107 | 107 | 107 | 92 | 92 | 92 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 107 | 98 | 87 | 86 | 78 | 72 |
| 95 mph | 8-20 | 112 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 77 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 104 | 80 | 72 | 75 | 64 | 56 | | |
| | 21-27 | 110 | 110 | 107 | 93 | 93 | 93 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 108 | 87 | 82 | 83 | 69 | 64 | | |
| | 28-45 | 107 | 107 | 103 | 92 | 92 | 92 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 104 | 92 | 82 | 82 | 74 | 67 |
| 100 mph | 8-20 | 112 | 98 | 87 | 96 | 96 | 96 | 87 | 79 | 79 | 79 | 77 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 96 | 75 | 66 | 72 | 60 | 48 | |
| | 21-27 | 110 | 106 | 100 | 93 | 93 | 93 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 101 | 82 | 76 | 79 | 65 | 61 | | |
| | 28-45 | 107 | 107 | 97 | 92 | 92 | 92 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 98 | 87 | 78 | 77 | 64 | 64 |
| 105 mph | 8-20 | 112 | 92 | 82 | 96 | 92 | 82 | 79 | 79 | 79 | 77 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 88 | 72 | 64 | 66 | 54 | 42 | | |
| | 21-27 | 110 | 99 | 96 | 93 | 93 | 93 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 96 | 77 | 72 | 75 | 61 | 57 | | |
| | 28-45 | 107 | 103 | 92 | 92 | 92 | 92 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 96 | 83 | 73 | 73 | 67 | 60 |
| 110 mph | 8-20 | 112 | 86 | 77 | 96 | 86 | 77 | 79 | 79 | 79 | 77 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 81 | 66 | 58 | 64 | 48 | 38 | | |
| | 21-27 | 110 | 96 | 88 | 93 | 93 | 88 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 90 | 72 | 67 | 72 | 58 | 50 | | |
| | 28-45 | 107 | 98 | 88 | 92 | 92 | 88 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 88 | 78 | 72 | 72 | 64 | 57 |
| 115 mph | 8-20 | 106 | 81 | 72 | 96 | 81 | 72 | 79 | 79 | 79 | 72 | 77 | 77 | 72 | 72 | 72 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 75 | 64 | 50 | 59 | 42 | 33 | | |
| | 21-27 | 109 | 88 | 83 | 93 | 88 | 83 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 85 | 69 | 64 | 68 | 54 | 44 | | |
| | 28-45 | 106 | 96 | 83 | 92 | 92 | 83 | 79 | 79 | 79 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 83 | 75 | 66 | 67 | 61 | 53 |
| 120 mph | 8-20 | 98 | 77 | 69 | 96 | 77 | 69 | 79 | 77 | 77 | 69 | 69 | 69 | 72 | 72 | 72 | 69 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 72 | 58 | 42 | 55 | 38 | 30 | |
| | 21-27 | 104 | 84 | 78 | 93 | 84 | 78 | 79 | 79 | 78 | 78 | 78 | 78 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 81 | 65 | 60 | 65 | 48 | 39 | | |
| | 28-45 | 101 | 89 | 79 | 92 | 89 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 79 | 72 | 64 | 64 | 58 | 48 |
| 130 mph | 8-20 | 86 | 69 | 61 | 86 | 69 | 61 | 69 | 61 | 61 | 77 | 69 | 61 | 72 | 69 | 61 | 64 | 64 | 64 | 61 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 64 | 44 | 32 | 48 | 32 | 26 | |
| | 21-27 | 96 | 76 | 72 | 93 | 76 | 72 | 79 | 76 | 72 | 78 | 76 | 72 | 72 | 72 | 72 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 74 | 58 | 48 | 60 | 39 | 32 | | |
| | 28-45 | 92 | 82 | 72 | 92 | 82 | 72 | 79 | 79 | 72 | 78 | 78 | 72 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | 48 | 48 | 45 | 45 | 45 | 72 | 65 | 57 | 58 | 51 | 38 |
| 140 mph | 8-20 | 76 | 64 | 51 | 76 | 64 | 51 | 76 | 64 | 51 | 72 | 64 | 51 | 64 | 64 | 51 | 58 | 58 | 51 | 54 | 54 | 54 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 44 | 44 | 44 | 42 | 42 | 42 | 56 | 33 | 27 | 40 | 26 | 22 | | | | | |
| | 21-27 | 86 | 69 | 64 | 86 | 69 | 64 | 79 | 69 | 64 | 64 | 64 | 64 | 62 | 64 | 64 | 64 | 64 | 64 | 59 | 59 | 59 | 55 | 55 | 55 | 52 | 52 | 52 | 49 | 49 | 49 | 48 | 44 | 44 | 44 | 43 | 43 | 43 | 67 | 45 | 33 | 54 | 32 | 26 | | |
| | 28-45 | 84 | 75 | 66 | 84 | 75 | 66 | 78 | 75 | 66 | 77 | 75 | 66 | 72 | 72 | 72 | 66 | 66 | 66 | 64 | 64 | 64 | 58 | 58 | 58 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | | | | | | | | | | | | |

= min 72" span

= min 64" spa

= min 48" s

* = Note: additional installation requirement for CAMO module clamp. See Note 10 on Page 3 for details.

REF 02/09/2021

= Shaded cells indicate conditions in which UFO Mid Clamp connection capacity is exceeded. See Note 9 on page 2 for details.

Grouping of ASCE 7-16 Roof Zones (Gable)

| Roof Slope | 8° - 27° | | | 28° - 45° | | |
|----------------------|----------|----------------|---------|---------------|----------|---------|
| Group | Group 1 | Group 2 | Group 3 | Group 1 | Group 2 | Group 3 |
| ASCE 7-16 Roof Zones | 1 2e | 2n 2r 3e | 3r | 1 2e 2r | 2n 3r | 3e |

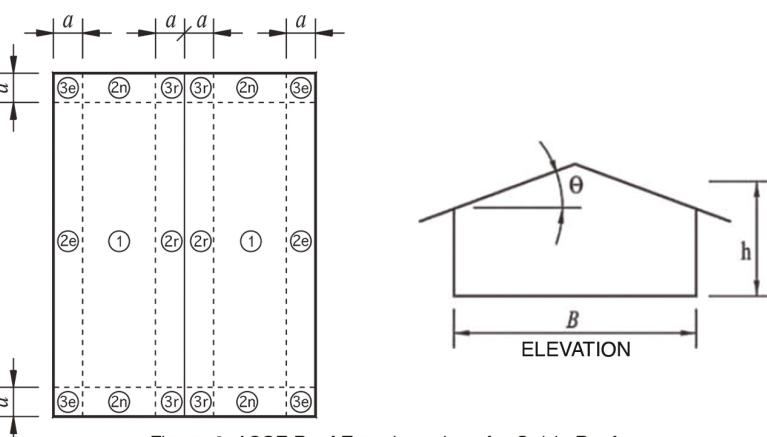


Figure 2: ASCE Roof Zone Locations for Gable Roofs

Notation (Per ASCE 7-16)

a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

B = Horizontal dimension of building measured normal to wind direction, in ft (m).

h = Mean roof height, in ft (m).

θ = Angle of plane of roof from horizontal, in degrees.

**Wind pressure loads used to generate the span tables for modules with maximum lengths of 86" and 92.5" are based on the wind tunnel study "Design Wind Loads for Solar Modules Mounted Parallel to the Roof of a Low-rise Building"¹, referenced in ASCE 7-16 Section 29.4.4.



JOB NO.: U4867.0016.231
SUBJECT: SOLAR LAYOUT

PROJECT: Fedex Middletown Building

