



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

October 7, 2024

Paul R. Michaud, Esq.
Michaud Law Group LLC
515 Centerpoint Drive, Suite 503
Middletown, CT 06457
pmichaud@michaud.law

RE: **PETITION NO. 1599** – TRITEC Americas, LLC Declaratory Ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the construction, maintenance and operation of a 0.999-megawatt AC solar photovoltaic electric generating facility located at Parcel No. 30-25-59 Spencer Street, Suffield, Connecticut, and associated electrical interconnection. **Compliance with Condition No. 3.**

Dear Attorney Michaud:

The Connecticut Siting Council (Council) is in receipt of your correspondence dated October 4, 2024 regarding compliance with Condition No. 3 of the Declaratory Ruling issued by the Council on April 26, 2024 for the above-referenced facility. The correspondence includes the final structural design of the racking system, stamped by a Professional Engineer duly licensed in the State of Connecticut, in accordance with Condition No. 3.

Therefore, the Council acknowledges that Condition No. 3 has been satisfied. This acknowledgment applies only to the condition satisfied by the October 4, 2024 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,

A handwritten signature in dark ink, appearing to read "Melanie A. Bachman".

Melanie A. Bachman
Executive Director

MAB/RDM/dll

c. Service List, dated November 15, 2023



PAUL R. MICHAUD
Managing Attorney / Principal
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Middletown, CT 06457
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October 4, 2024

VIA ELECTRONIC MAIL

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

Re: **PETITION NO. 1599** – TRITEC Americas, LLC notice of election to waive exclusion from Connecticut Siting Council jurisdiction, pursuant to Connecticut General Statutes §16-50k, and petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 0.999-megawatt AC solar photovoltaic electric generating facility located at Parcel No. 30-25-59 Spencer Street, Suffield, Connecticut, and associated electrical interconnection. **Satisfaction of Condition No. 3.**

Dear Attorney Bachman:

On behalf of TRITEC Americas, LLC (“Petitioner”), Michaud Law Group submits this letter to the Connecticut Siting Council (the “Council”) in response to Council’s Final Decision dated April 26, 2024, in the above-referenced petition. Specifically, this letter is in response to the Council’s response to Petitioner dated October 4, 2024, that the Petitioner had not yet complied with Condition No. 3—submission of the final structural design for the racking system ***stamped by a Professional Engineer duly licensed in the State of Connecticut***—the condition Petitioner must complete “prior to the commencement of construction.”

Condition 3


Condition 3 requires Petitioner to “Submit 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.” The final, stamped structural design is enclosed. Please see Exhibit A: Final Structural Design.

Petitioner believes they have met all the conditions required to begin constructing the project, but they will refrain from doing so until they receive Council’s acknowledgement.

Petitioner certifies that this letter was emailed to the Council and any parties on the service list, and one hard copy was mailed to the Council by first-class mail.

Please feel free to contact me if you have any questions.

Very truly yours,

A handwritten signature in blue ink that reads "Paul R. Michaud". The signature is written in a cursive style with a large, stylized "P" and "M".

Paul R. Michaud

cc: Service List dated 11/15/2023

EXHIBIT A

Final Structural Design

PROPOSED SOLAR POWER SITE:
0 SPENCER STREET
41°57'50.4"N, 72°40'12"W
SUFFIELD CT, 06078

PREPARED FOR:
HORTON ELECTRICAL SERVICES
97 RIVER ROAD
CANTON, CT 06019

PREPARED BY:
FLEXRACK BY QCELLS
23000 HARVARD RD., SUITE B
CLEVELAND, OH 44122

ARRAY LOCATION



PROJECT SITE
NORTH
▲

SHEET INDEX: FLEXTRACK S-SERIES

PV MODULE SPECIFICATION SHEETS					
S1	1X70 RACK PLAN VIEW, ELEVATION, & NOTES	●	●	●	●
S2	1X35 RACK PLAN VIEW, ELEVATION, & NOTES	●	●	●	●
S3	1X35 RACK PLAN VIEW, ELEVATION, & NOTES	●	●	●	●
S4	TRACKER CONNECTIONS — DRIVE POST & SPLICE CONNECTION DETAILS	○	○	○	○
S5	TRACKER CONNECTIONS — IDLER POST & VERTICAL RAIL CONNECTION DETAILS	○	○	○	○
S6	TRACKER CONNECTIONS — DAMPER & PANEL CONNECTION DETAILS	○	○	○	○
S7	TCU COMPONENT AND CONNECTION DETAILS	○	○	○	○
S8	FOUNDATION DETAILS	○	○	○	○

LEGEND:
● ISSUED
○ REVISED, BUT NOT ISSUED

SIGN-OFF	
JUNE 19, 2024	STAMPED SET
AUG. 13, 2024	ISSUANCE/REVISION

GENERAL NOTES:

1. CODES AND STANDARDS:
 - IBC 2021
 - NEC 2020
 - ASCE 360-16
 - ASCE 360-20
 - ASCE 7-16
 - 2022 CT STATE BUILDING CODE
 2. WIND DESIGN PARAMETERS:
 - ULTIMATE DESIGN WIND SPEED, V — 110 MPH
 - RISK CATEGORY — I
 - WIND EXPOSURE CATEGORY C, K_e — 1.00
 - WIND DIRECTIONALITY FACTOR, K_d — 0.85
 - GUST FACTOR & NET PRESSURE COEFFICIENT, GCN
 - GCN COEFFICIENTS DETERMINED BASED ON WIND TUNNEL TESTING
 - SEE SPR STRUCTURAL REPORT FOR PROJECT SPECIFIC GCN COEFFICIENTS
 3. SNOW DESIGN PARAMETERS:
 - GROUND SNOW LOAD — 35 PSF
 - EXPOSURE CATEGORY, Ce — 0.90
 - EMERGENCY WIND UPGRADE, I — 1.00
 - SNOW IMPORTANCE FACTOR, I — 0.80
 - ROOF SLOPE FACTOR, Cs — 1.00
 4. EARTHQUAKE DESIGN PARAMETERS — EQUIVALENT LATERAL FORCE:
 - RISK CATEGORY — I
 - SITE CLASS — D
 - SEISMIC IMPORTANCE FACTOR, I_e — 1.0
 - RESPONSE MODIFICATION COEFFICIENT, R — 2
 - SPECTRAL RESPONSE ACCELERATION PARAMETERS
 - MAPPED DESIGN:
 - S_s — 0.17/0g
 - S₁ — 0.054/1.5g
 - S_{0.1} — 0.086/9
 - SEISMIC DESIGN CATEGORY — D
 - SEISMIC RESPONSE COEFFICIENT, Cs — 0.091
 5. FOUNDATIONS:
 - FOUNDATION DESIGN DERIVED FROM GEOTECHNICAL REPORT PROVIDED BY:
GET CONSULTANTS PROJECT NO. 2104784, DATED: FEBRUARY 18, 2022
 6. APPLICABLE INSTALLATION TOLERANCES (PER SINGLE TRACKER):
 - N-S POST SPACING: ±1 3/4"
 - N-S SLOPE: 5%
 - E-W POST ALIGNMENT: ±3/4"
 - IDLER POST HEIGHT OUT OF STRING-LINE: ±1"
 - POST TUBES: ±1"
 - POST TWIST: ±3"
 - TUBE TWIST: ±3"
- POST TOLERANCES ARE REFERENCED AT TOP-OF-POST LOCATION.
DRIVE POSTS MUST BE GRADES 3" ABOVE IDLER POSTS.
MINIMUM RECOMMENDED CLEARANCE BETWEEN TRACKERS NO LESS THAN 12".
POST EMBEDMENT AND ABOVE GRADE TOLERANCES ARE SHOWN ON S2-S3.
S2-S3 TOLERANCES GIVEN TO ASSIST WITH VARIATIONS IN GRADE.

7. CONNECTIONS:
 - SEE SHEETS S4-S7 FOR TORQUE VALUES FOR EACH CONNECTION.
8. PV MODULE INFORMATION:
 - NAME/MODEL: TSM-540-DEG19C.20 540W
 - DIMENSIONS: 93.858" LONG X 43.150" WIDE X 1.378" TALL
 - WEIGHT: 17.13 LBS
 - VERSION: TSM-EN_2020_JPAC_A
9. MATERIALS AND COATINGS:
 - A. FILES:
 - HARDWARE
 - B. HARDWARE:
 - SECTIONS: A992 STEEL HOT DIPPED GALVANIZED PER ASTM A123.
 - I. 3/8" TO BE F3125 GRADE A325 HOT DIPPED GALVANIZED PER ASTM A153.
 - II. 1/2" TO BE F3125 GRADE A325 HOT DIPPED GALVANIZED PER ASTM A153.
 - III. 3/4" TO BE F3125 GRADE A325 HOT DIPPED GALVANIZED PER ASTM A153.
 - IV. 1" TO BE A449 MECHANICAL GALVANIZED PER MAGNI 560.
 - V. 1 1/2" TO BE A449 MECHANICAL GALVANIZED PER MAGNI 560.
 - OR STAINLESS STEEL
 - VI. 1/2" TO BE A449 MECHANICAL GALVANIZED PER MAGNI 560
 - OR STAINLESS STEEL
 - C. COLD FORMED FORM STEEL TO BE PRE GALVANIZED PER A653 UNLESS OTHERWISE NOTED.
10. SPECIAL INSPECTIONS:
 - THE FOLLOWING SPECIAL INSPECTIONS MAY BE REQUIRED PER IBC CHAPTER 17.
CHECK FOR CORROSION, LOCAL BUILDING OFFICIAL FOR APPLICATION (CONTINUOUS)
— SEE IBC 2021, TABLE 1705.7, ITEMS 1-5
ASTM A325 BOLTS AND FASTENERS.....(PERIODIC)
— SEE AISC 360-16, SECTION NS.6
ANNUAL INSPECTIONS AND FASTENERS
— NOT REQUIRED

ABBREVIATIONS	
MIN	MINIMUM
MAX	MAXIMUM
OH	OVERHANG
PAG	POST ABOVE GRADE
DEF	DEFLECTION
DIA	DIAMETER
TYP	TYPICAL
VERT	VERTICAL
REC	RECEIVER
RD	ROAD
CP	CLAMP
S/C	STOCK CODE
BC	BEARING CHOLE
C-C	CENTER TO CENTER
CD	CRITICAL DIMENSION
CTA	CENTRAL TUBE AXIS
EDP	END OF PANEL
HORIZ	HORIZONTAL
HOG	HOT DIPPED GALVANIZED
SWG	SWAG
EOT	END OF TUBE

COVER SHEET

DATE:	08/13/2024	OWNER:	NZ	DATE:	08/13/2024	OWNER:	NZ
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BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

550W+
MAXIMUM POWER OUTPUT

0~+5W
POSITIVE POWER TOLERANCE

21.0%
MAXIMUM EFFICIENCY

PRODUCT: TSM-DEG19C-20
PRODUCT RANGE: 525-550W

Mono Multi Solutions



High customer value

- Lower LCOE (Levelized Cost Of Energy), reduced BOS (Balance of System) cost, shorter payback time
- Lowest guaranteed first year and annual degradation
- Designed for compatibility with existing mainstream system components
- Higher return on investment

High power Mono Perc up to 550W

- Up to 21.0% module efficiency with high density interconnect technology
- Multi-junction technology for better light trapping effect, lower series resistance and improved current collection



High reliability

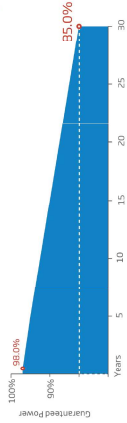
- Minimized micro-cracks with innovative non-destructive cutting technology
- Ensured PID resistance through cell process and module material control
- Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas
- Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load



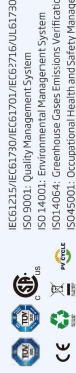
High energy yield

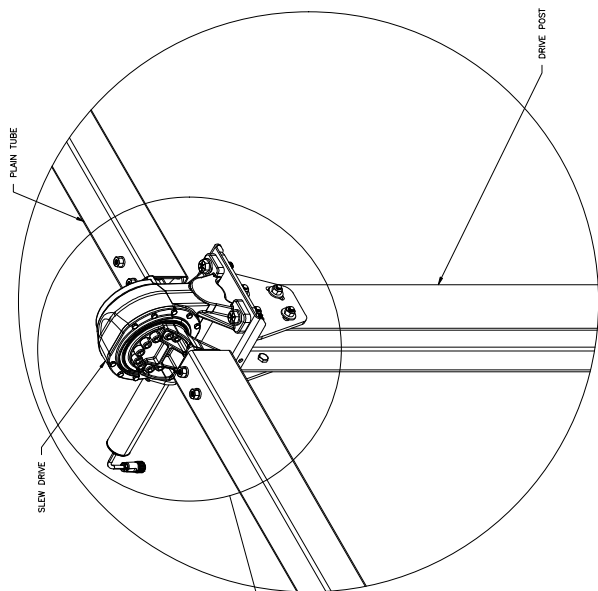
- Excellent IAM (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
- The unique design provides optimized energy production under inter-row shading conditions
- Lower temperature coefficient (-0.34%) and operating temperature
- Up to 25% additional power gain from back side depending on albedo

Trina Solar's Vertex Bifacial Dual Glass Performance Warranty

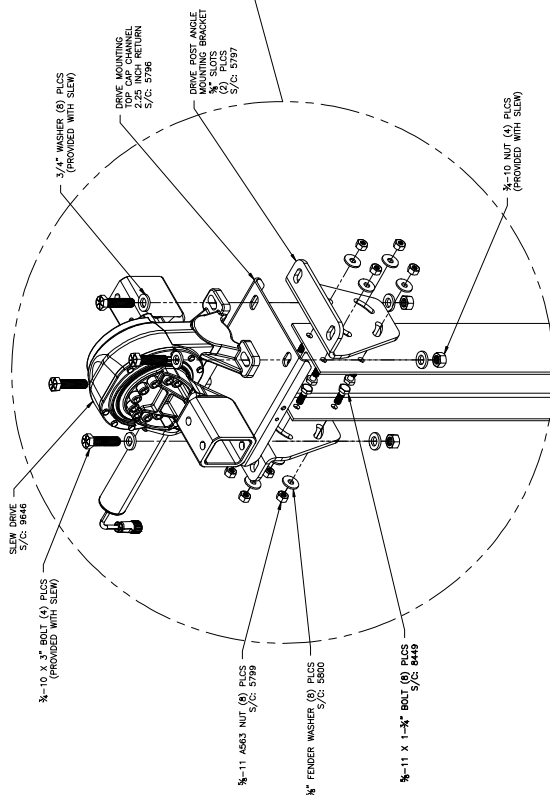


Comprehensive Products and System Certificates

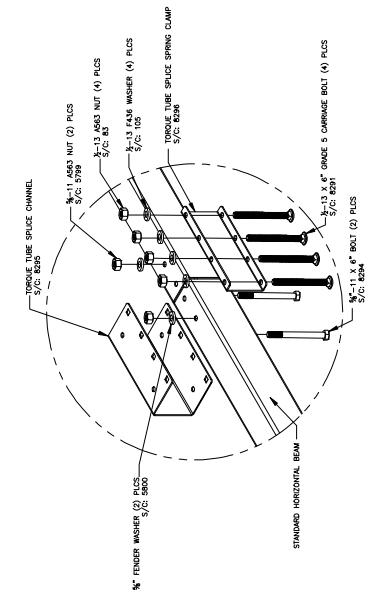




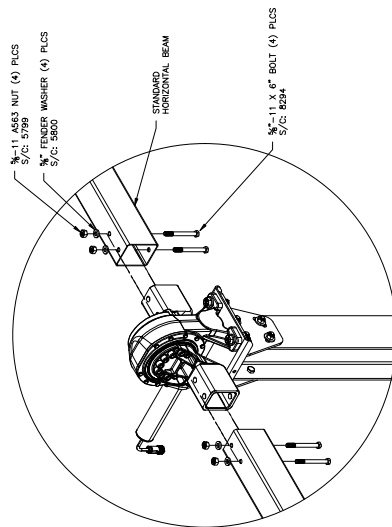
1 DRIVE POST ISOMETRIC VIEW
SCALE: NTS



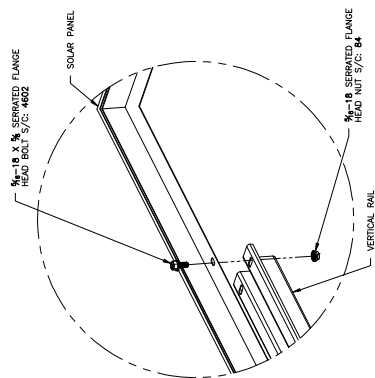
3 DRIVE POST SLEW DRIVE CONNECTION



4 HORIZ. BEAM SPLICE EXPLODED
SCALE: NTS

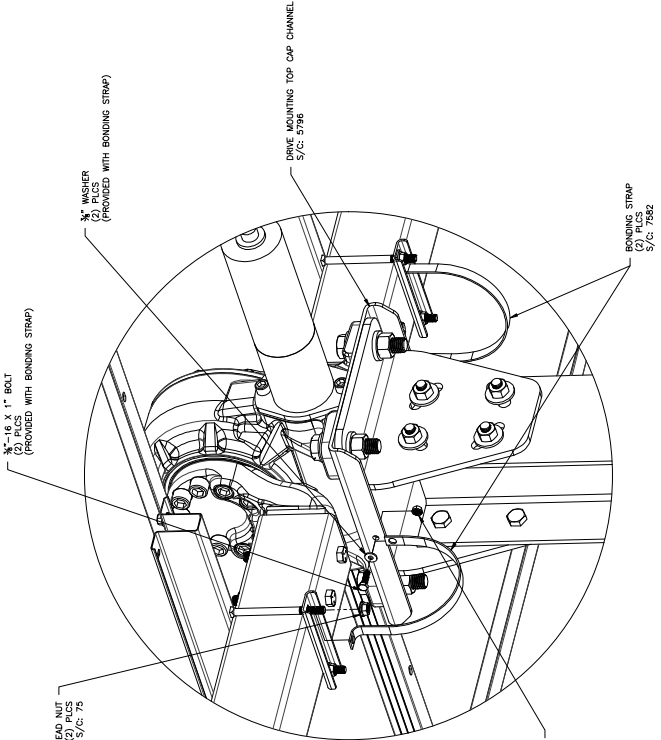


2 BEAM TO SLEW CONNECTION EXPLODED

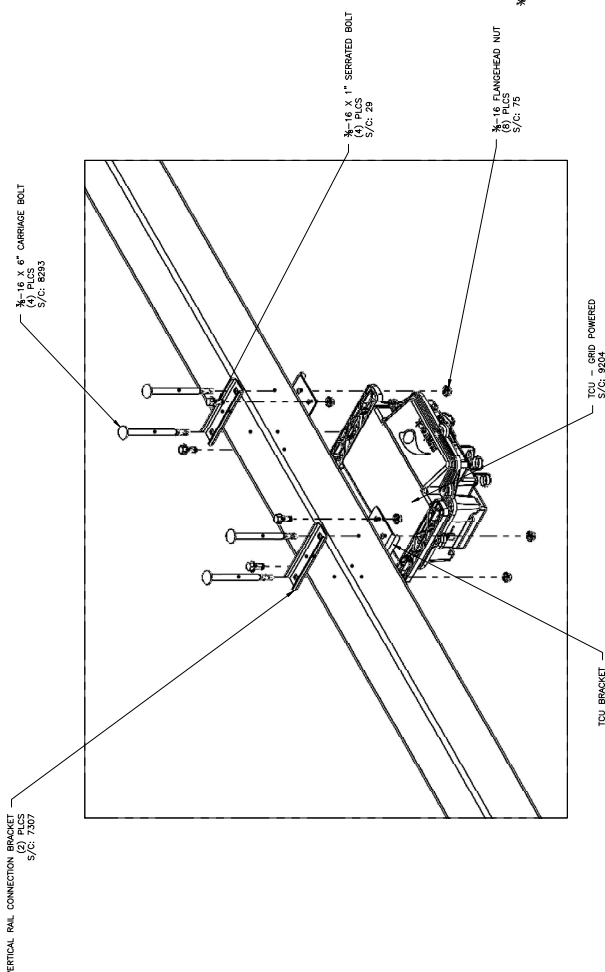


TCU COMPONENTS AND CONNECTION
DETAILS

REV	DESCRIPTION	CHK BY	DATE



1 BONDING STRAP CONNECTION ISOMETRIC VIEW
SCALE: NTS
TORQUE VALUE: 20-25 FT-LBS FOR 3/16 CARRIAGE BOLT
S7



2 TCU TO TORQUE TUBE CONNECTION ISOMETRIC VIEW
SCALE: NTS
TORQUE VALUE: 20-25 FT-LBS FOR 3/16 CARRIAGE BOLT
S7

